ORDER NO. VSD9502M642

Service Manual

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Sec. 3 *Mechanism*
Sec. 4 *Block Diagrams*
Sec. 5 *Electrical Adjustments*
Sec. 6 *Schematic Diagrams*
Sec. 7 *Circuit Board Diagrams*
Sec. 8 *Exploded Views & Replacement Parts List*

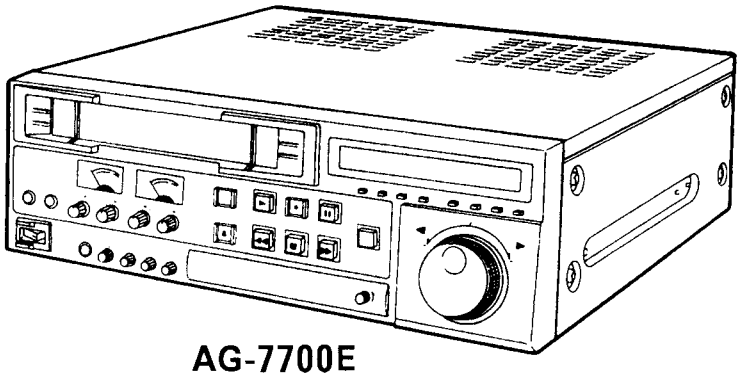
S-VHS 625 VHS PAL Hi-Fi

Editing Video Cassette Recorder

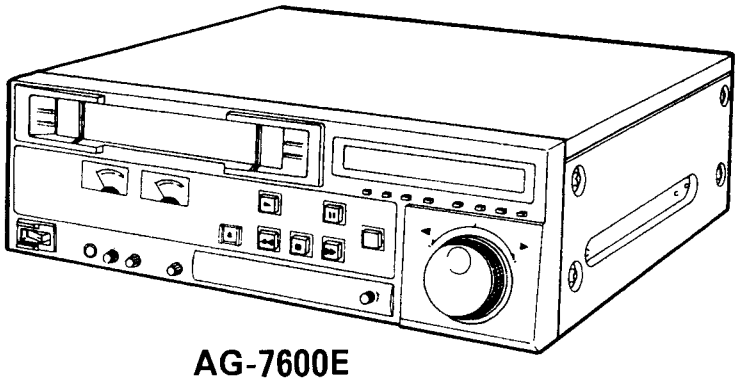
AG-7700E

Editing Video Cassette Player

AG-7600E



AG-7700E



AG-7600E

Panasonic

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⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advice non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service manual by anyone else could result in serious injury or death.

SPECIFICATIONS

ITEM		SPECIFICATION
Power	Source	AC 220V - 240V±10%, 50-60Hz
	Consumption	AG-7700E: 67W, AG-7600E: 53W
Television Format		CCIR Standard (625 lines, 50fields) PAL colour signal
Tape Speed		23.39mm/s
Tape		S-VHS, VHS
FF/REW Time		Approx. 2min. (with 180min. tape)
Operating Condition	Temperature	5℃ - 40℃
	Humidity	35% - 80%
Dimensions		424 (W) × 131.5 (H) × 415 (D) mm
Weight		11.5kg (25.3 lbs)
Video	Heads	2 roatary heads, helical scaning system 49μm(NOR)×2, 49μm(SS)×2
	Luminance	FM azimuth recording
	Color signal	Converted subcarrier phase shift recording
	Input	LINE IN (BNC) (AG-7700E only); 1.0Vp-p, 75Ω unbalanced S-VIDEO IN (4P) (AG-7700E only); Y: 1.0Vp-p, 75Ω unbalanced C: 0.3Vp-p (burst), 75Ω unbalanced SYNC IN (BNC); 1.0Vp-p, 75Ω unbalanced
	Output	LINE (BNC×2); 1.0Vp-p, 75Ω unbalanced S-VIDEO (4P×2); Y: 1.0Vp-p, 75Ω unbalanced C: 0.3Vp-p (burst), 75Ω unbalanced VIDEO MONITOR OUT (BNC); 1.0Vp-p, 75Ω unbalanced
	Signal-to-Noise Ratio	VHS; 45dB (color, SC on) S-VHS; 46dB (color, SC on)
	Horizontal Resolution	S-VHS; 400 lines VHS; 250 lines
Time Code	Input level	1.0Vp-p, 10KΩ unbalanced (AG-7700E)
	Output level	2.4Vp-p, low impedance, unbalanced

ITEM		SPECIFICATION
Audio	Heads	Normal Audio Control; 1 stationary head Hi-Fi Audio; 2 rotary heads (36μm×2)
	Tracks	Normal audio; 2 tracks (stereo) Hi-Fi Audio; 2 channels (stereo)
	Input	LINE OUT Hi-Fi (XLR) (AG-7700E only); +4/0/−6dBs, 50Ω balanced LINE OUT NORM/Hi-Fi (XLR) (AG-7700E only); +4/0/−6dBs, 50Ω balanced MIC IN (¼" ×2) (AG-7700E only); −50dBv, 4.7KΩ unbalanced
	Output	LINE OUT Hi-Fi (XLR); +4/0/−6dBs, 50Ω balanced LINE OUT NORM/Hi-Fi (XLR); +4/0/−6dBs, 50Ω balanced HEADPHONES (¼" PHONE) −60dBv to −20dBv, 8Ω unbalanced AUDIO MONITOR OUT (PHONO); 0dBv, 600Ω unbalanced
	Frequency Response	Normal; 50Hz to 12kHz Hi-Fi; 20Hz to 20kHz
	Dynamic Range	Hi-Fi; 90 dB
	S/N Ratio	48dB (Normal audio, NR on)
Standard Accessories		Power Cable VJA0738 VJA0746
Optional Accessories		S-VIDEO cable (4P) ..... AG-C71A(5m) AG-C70A(3m) Editing controller ..... AG-A800 AG-A770 AG-A750 AG-A350 Remote search controller ..... NV-A505 Remote Controller ..... AG-A600 Rack-mounting adaptor ..... AG-M730 34-pin Interface Adaptor AG-IA834

Weight and dimensions shown are approximate.
Specifications are subject to change without notice.

INTRODUCTION

This Service Manual contains all the technical information which will allow service personnel to understand and service the Panasonic S-VHS Hi-Fi Video Cassette Recorder model AG-7700E and Player AG-7600E.

These models are video cassette player for editing applications which was developed for appllications in industry, educational establishments, studios and CATV transmissions.

By the use of S-VHS system, a sharp picture quality with high resolution is obtained, and advanced editing by easy operation is realized by the introduction of highly dependable mechanisms.

Panasonic

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SAFETY PRECAUTIONS

GENERAL GUIDELINES

1. When servicing observe the original lead dress. If a short circuit is found, replac all parts which have been overheated or damaged by the short circuit.
2. After servicing, see to it that all the protectiv devices such as insulation barriers, insulation papers shields are properly installed.
3. After servicing make the following leakage current checks to prevent the customer from being exposed to shock hazards.

LEAKAGE CURRENT COLD CHECK

1. Unplug the AC cord and connect a jumper between the two prongs onthe plug.
2. Measur the resistance value, with an ohm meter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwhead connectors, contrl shafts, etc. When the exposed metallic part has a return path to the chassis, the reading shoulb be between 1MΩ and 5.2MΩ.
   When the exposed metal dose not have a return path to the chassis, the reading must be ∞.

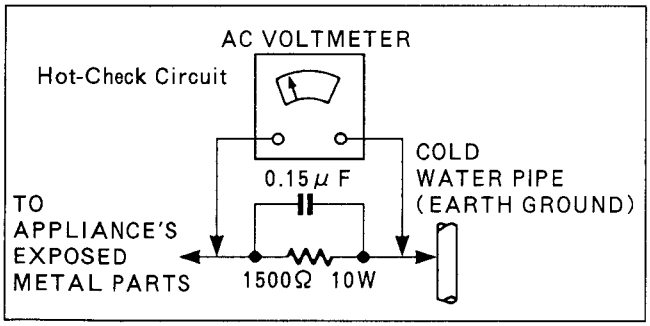


Figure 1

LEAKAGE CURRENT HOT CHECK (See Figure 1)

1. Plug the AC cord directly into the AC outlet.
   Do not use an isolation transformer for this check.
2. Connect a 1.5KΩ, 10W resistor, inparallel with 0.15μF capacitor, between each exposed metallic part on the set an a good earth ground such as a water pipe, as shown in Figure 1.
3. Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measur the potential across the resistor.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reverse the AC plug in the AC outlet repeat each of the above measurements.
6. The potantial at any point should not exceed 0.75 volts RMS. A leakage current tester (Simpson Model 229 equivalent) may be used to make the hot checks, leakage current must not exceed 1/2 milliamp. In case a measurement is outside of the limits specified, there is a possiblity of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

ELECTROSTATICALLY SENSITIVE(ES) DEVICES

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground.
   Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder removal device classified as "anti-static" can generate electrical charges sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package untilimmediately before you are ready to install it. (most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
7. Immediately before removing the protective materialfrom the leads of replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.
   CAUTION: Be sure no power is applied to the chassis or circuit, and observe all otner asfety precautions.
8. Minimize bodily motions when handling unpackaged replacement ES devoces. (Otherwise harmless mother such as the brushing together of your clothes fabric or the lifting of your foor from a carpeted floor can generate static electricity sufficient to damage an ES device).

SERVICE INFORMATION

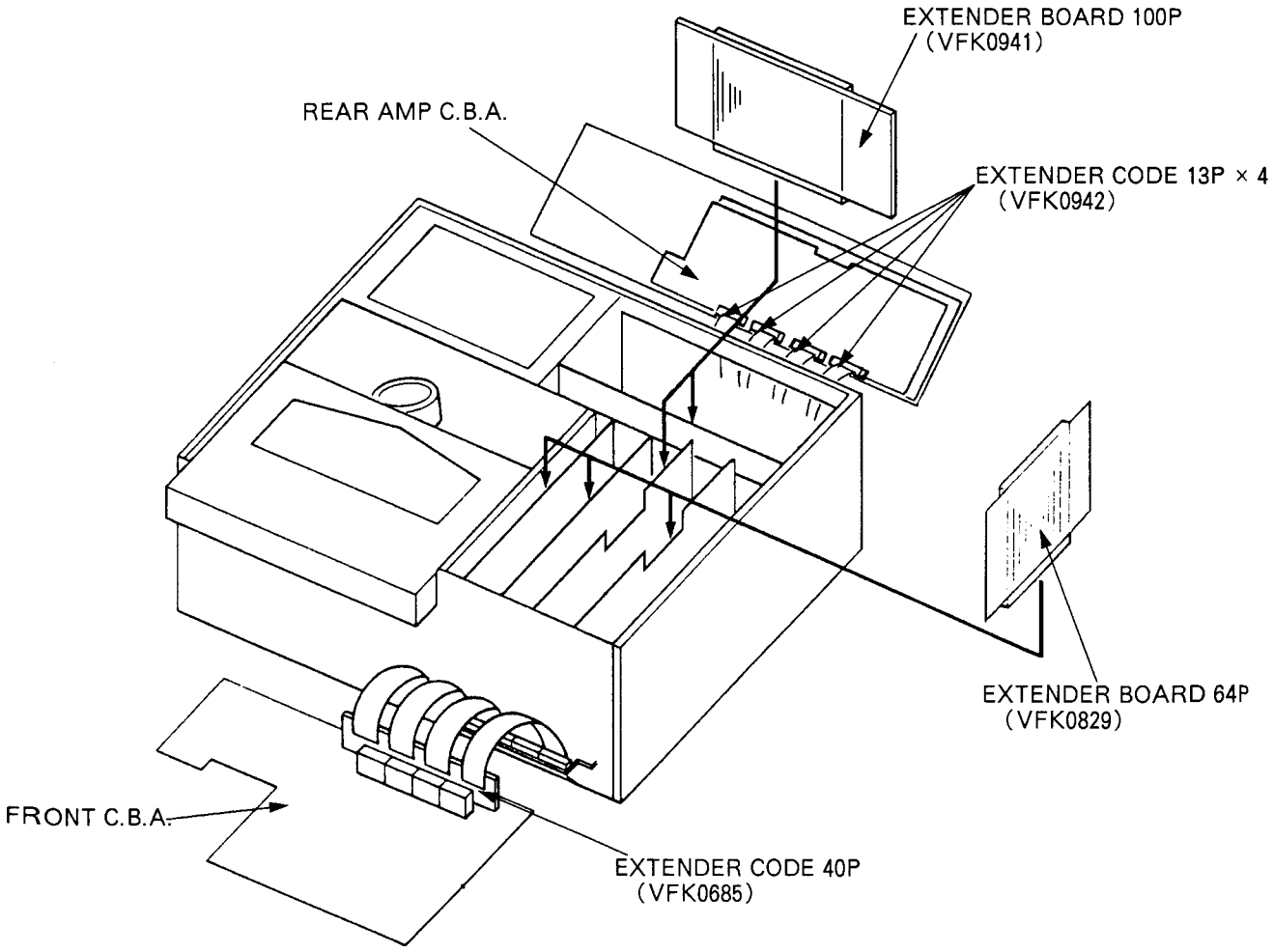
1 EXTENDERS

1. EXTENDER BOARD 100P (VFK0941) NEW
   FOR INTERFACE, TBC (1), TBC (2) and VIDEO I/O P.C.BOARDs

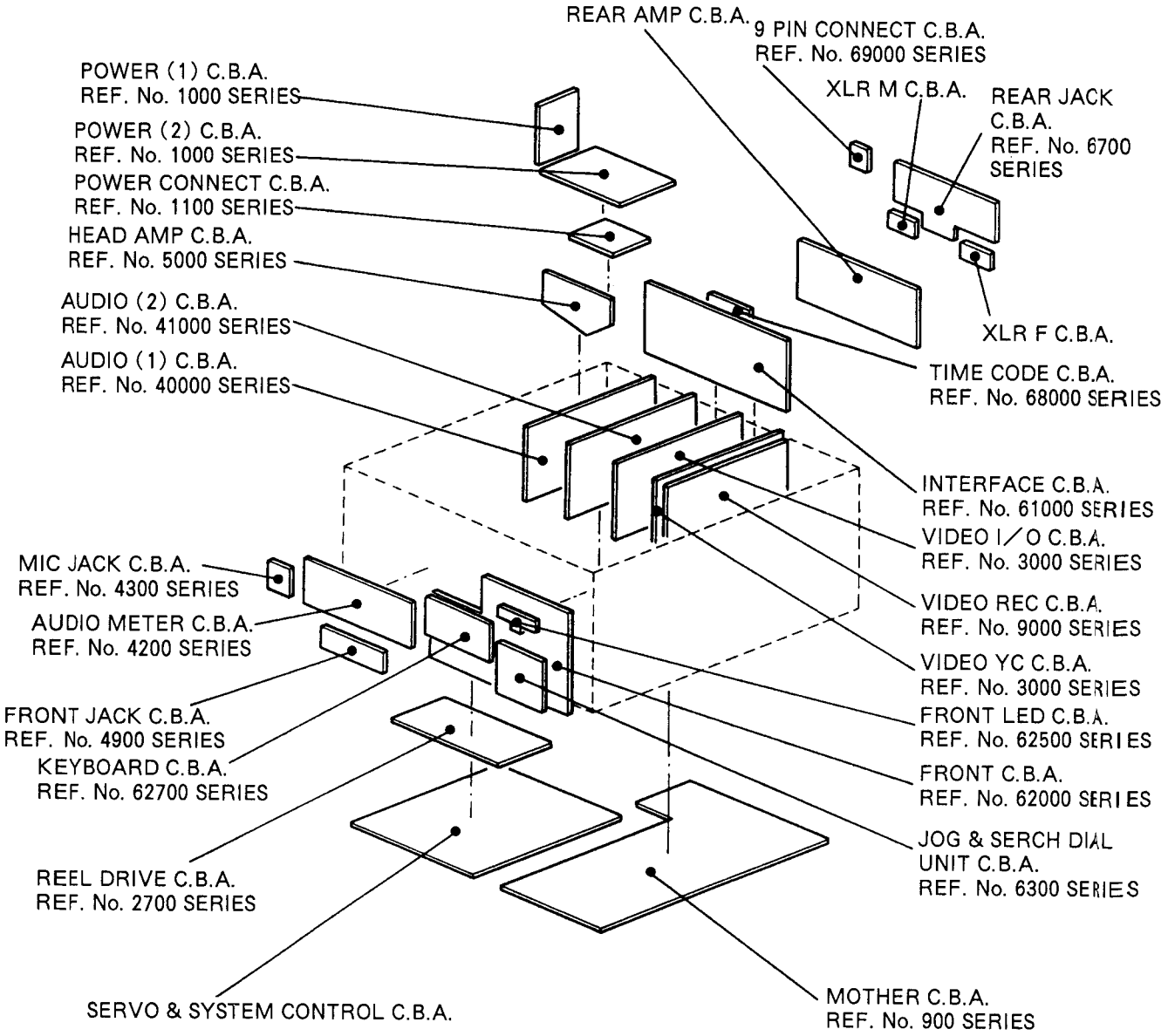
2. EXTENDER CODE 13P (VFK0942) × 4 NEW
   FOR REAR AMP (JACK) P.C.BOARD

3. EXTENDER CODE 40P (VFK0685) SAME AS AG-7350 etc.
   FOR FRONT P.C.BOARD

4. EXTENDER BOARD 64P (VFK0829) SAME AS AG-6730 etc.
   FOR VIDEO YC, AUDIO (1), AUDIO (2) P.C.BOARDs



2 CIRCUIT BOARD LAYOUT



SERVO & SYSTEM CONTROL C.B.A.

SUB POWER SECTION: REF. No. 1500 SERIES
CYL SERVO SECTION: REF. No. 2000 SERIES
CAPSTAN SERVO (1) SECTION:
REF. No. 2200 SERIES
CAPSTAN SERVO (2) SECTION:
REF. No. 2200 SERIES
CTL AMP SECTION: REF. No. 2300 SERIES
WIDE SECTION: REF. No. 2400 SERIES
REEL SERVO SECTION: REF. No. 2500 SERIES
MOTER DRIVE (1) SECTION: REF. No. 2700 SERIES
MOTER DRIVE (2) SECTION: REF. No. 2700 SERIES

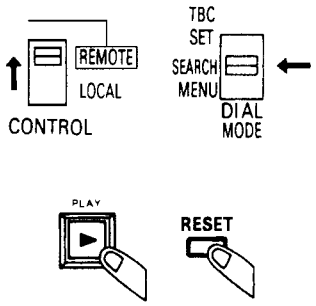
REAR AMP C.B.A.

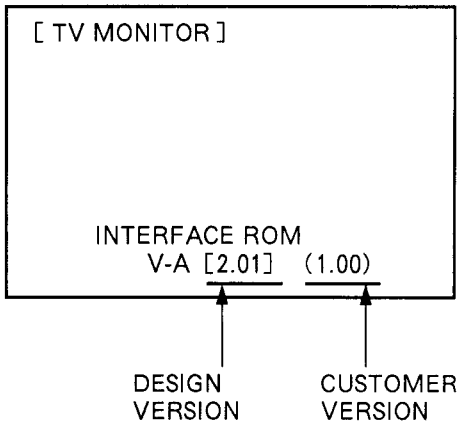
REAR AMP SECTION: REF. No. 4000 SERIES
REAR AMP SECTION: REF. No. 6600 SERIES

3 ROM VERSION DISPLAY

The ROM Version is displayed while the PLAY and RESET buttons are kept depressed as follows;

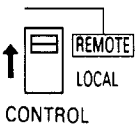
1. Eject a cassette tape.
2. Set the CONTROL switch to REMOTE.
3. Set the DIAL MODE switch to SEARCH.
4. Push the PLAY button together with RESET button.





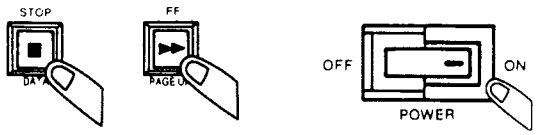
4 HOUR METER RESET

1. Turn off the Power.
2. Connect a jumper wire between TP1 and TP2 on the INTERFACE C.B.A.
3. Set the CONTROL switch to REMOTE.



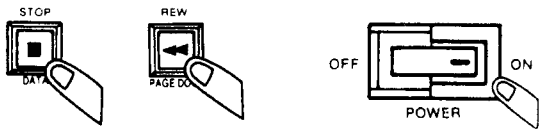
<< DRUM ON TIME >>

Turn on the Power while the STOP and FF buttons are depressed.

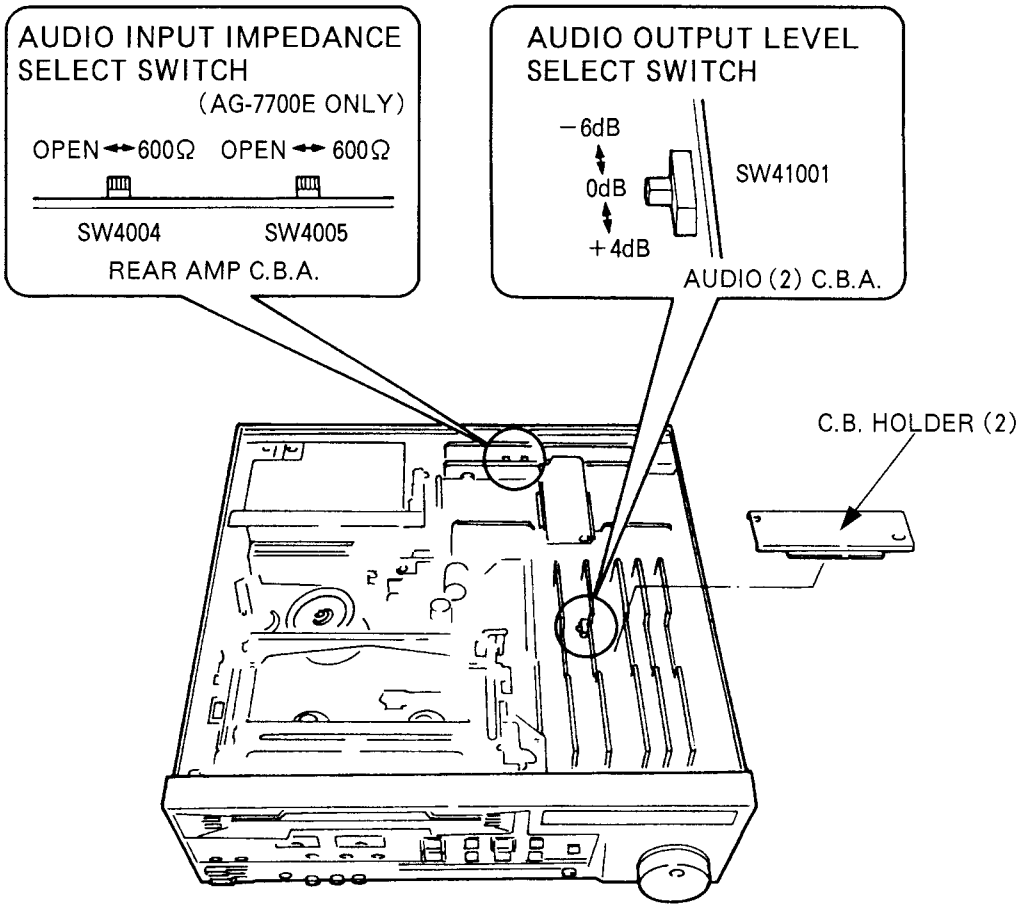


<< CAPSTAN ON TIME >>

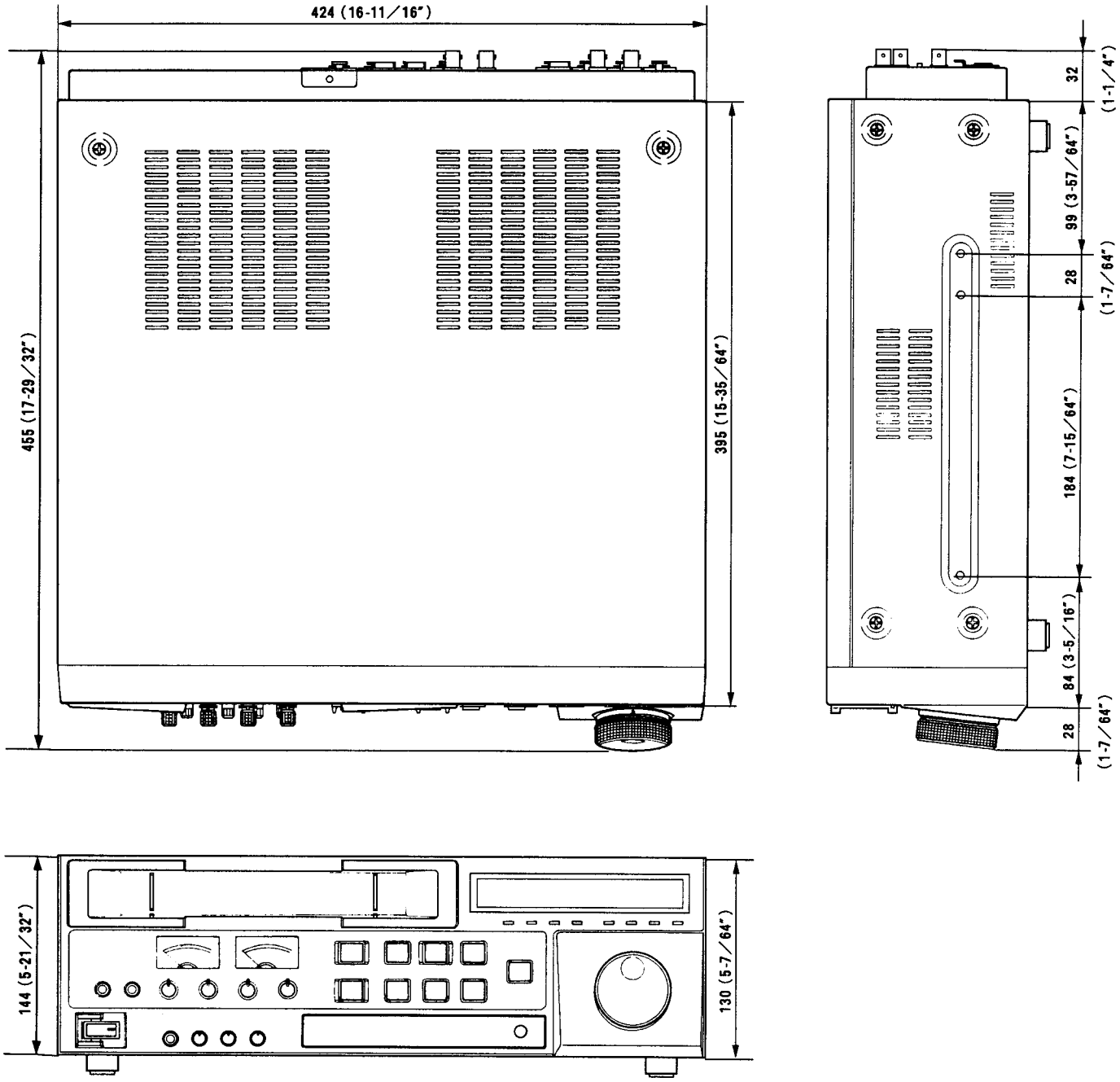
Turn on the Power while the STOP and REW buttons are depressed.



5 INTERNAL SWITCH



6 DIMENSIONS



MEMO

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OPERATING INSTRUCTIONS

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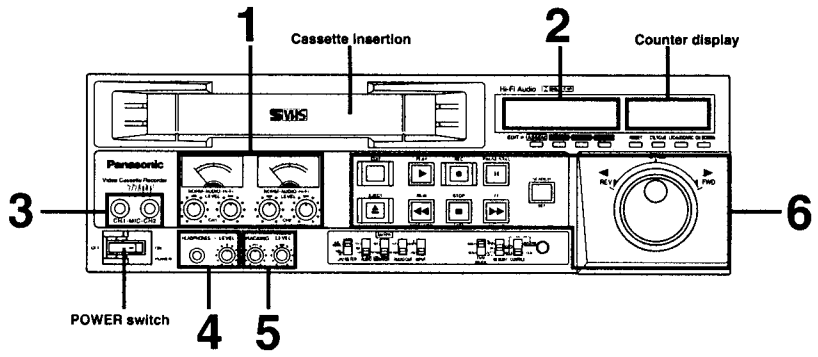
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Front Panel parts



1. Level control area

Audio (CH1) level meter: ..... Display CH1 audio level.
Audio (CH2) level meter: ..... Display CH2 audio level or tracking level/video level.
Audio (CH1) NORMAL LEVEL control: ..... Adjusts recording level for normal audio CH1.
(AG-7700 only)
Audio (CH1) Hi-Fi LEVEL control: ..... Adjusts recording level for Hi-Fi audio CH1.
(AG-7700 only)
Audio (CH2) NORMAL LEVEL control: ..... Adjusts recording level for normal audio CH2.
(AG-7700 only)
Audio (CH2) Hi-Fi LEVEL control: ..... Adjusts recording level for Hi-Fi audio CH2.
(AG-7700 only)

2. Function display lamp area

WIDE lamp: ..... Lights during WIDE signal recording and WIDE tape playback.
Cassette "in" lamp [ ]: ..... Lights when a cassette is loaded.
S-VHS lamp [S-VHS]: ..... Lights in S-VHS mode.
Hi-Fi lamp: ..... Lights when Hi-Fi audio is recorded or played back.
DOLBY* NR lamp: ..... Lights when Dolby NR system is used.
FRAME lamp: ..... Lights in framing servo lock mode.
LIMITER lamp: ..... Lights when audio limiter is on.
CH2-TC lamp: ..... Lights when audio CH2 is used as an LTC track.
SERVO lamp: ..... Lights in servo lock mode.
CTL/TC/UB lamps: ..... Lamp corresponding to selected counter display mode lights.
LTC/AUTO/VITC lamps: ..... Lamp corresponding to selected time code mode lights.

3. Microphone area (AG-7700 only)

MIC jacks (CH1/CH2): ..... Connectors for M6 external microphones.

4. Headphone area

HEADPHONE jack: ..... Connects M6 stereo headphones.
HEADPHONE LEVEL control: ..... Adjusts headphones volume.

5. Picture quality adjustment area

TRACKING control: ..... Adjusts noise position.
VIDEO LEVEL control: ..... Adjusts input video level (push-pull type).
(AG-7700 only)

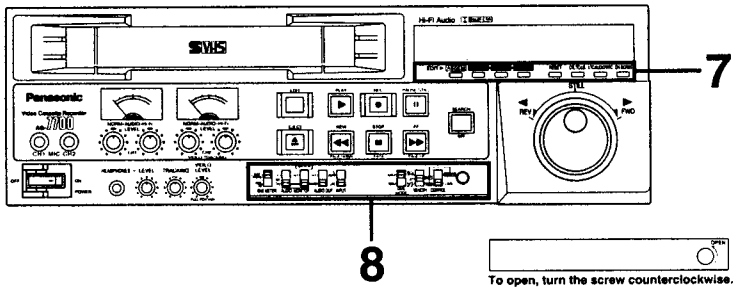
6. Basic operation area

EDIT button: ..... Starts editing when pressed together with PLAY button.
(AG-7700 only)
PLAY button: ..... Starts playback.
REC button: ..... Starts recording when pressed together with PLAY button.
(AG-7700 only)
PAUSE/STILL button: ..... Establishes still-picture mode during playback and pause mode during recording.
EJECT button: ..... Ejects cassette.
REW (PAGE DOWN) button: ..... Rewinds the tape; scrolls down page in MENU mode.
STOP (DATA) button: ..... Stops all operations; sets data in MENU mode.
FF (PAGE UP) button: ..... Rapidly advance the tape; scrolls up page in MENU mode.
SEARCH (SET) button: ..... Executes and releases search; sets menu in MENU mode.
SEARCH/JOG dial: ..... Adjusts search speed (outer dial for SHUTTLE mode; inner dial for JOG mode); selects menu in MENU mode.

*Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.

*"DOLBY" and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.

Front panel parts (cont.)



7. Editing mode setting area

ASSEMBLE button: ..... Sets assemble editing.
(AG-7700 only)
INSERT VIDEO button: ..... Performs insert editing of video signals and Hi-Fi audio signals.
(AG-7700 only)
INSERT AUDIO-CH1 button: ..... Performs insert editing of normal audio CH1.
(AG-7700 only)
INSERT AUDIO-CH2 button: ..... Performs insert editing of normal audio CH2 or TC.
(AG-7700 only)
RESET button: ..... Resets counter.
CTL/TC/UB button: ..... Switches counter mode.
LTC/AUTO/VITC button: ..... Switches time code read mode.
ON SCREEN button: ..... Displays data on monitor TV.

8. Function setting area

CH2 METER switch: ..... Switches between tracking/video meter and audio CH2.
AUDIO MONITOR switch: ..... Selects monitor audio channel.
AUDIO MONITOR (METER) switch: ..... Switches monitor audio type.
AUDIO OUT switch: ..... Switches output audio type.
INPUT switch: ..... Switches video input signal.
(AG-7700 only)
DIAL MODE switch: ..... Switches search dial mode.
MEMORY switch: ..... Switches memory mode when CONTROL switch is set to "LOCAL".
CONTROL switch: ..... Switches between remote and local modes.

Counter display parts

When the DIAL MODE switch is at the SEARCH position:

Mode	Counter Display	Remarks
CTL	-0:00:00:00	The shaded area remains blank for CTL interpolation.
TC	00:00:00:00	
UB	00 00 00 00	

When the DIAL MODE switch is at the MENU position:

Mode	Counter Display	Remarks
SELECT PAGE	SU:00 00	The shaded area flashes on and off.
SET PAGE	SU:00 00.00	
TC PRESET	00:00:00:00	The input digits flash on and off.
UB PRESET	00 00 00 00	

Hour meter display

The following items are indicated alternately while the RESET button is kept depressed.

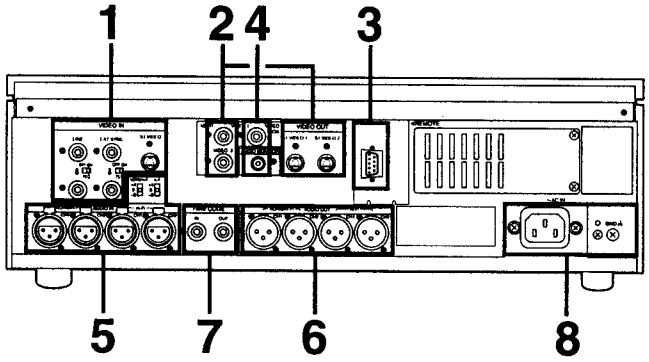
Mode	Counter Display	Remarks
Capstan rotation cumulative time	C 00 00 0H	Set the CONTROL and DIAL MODE switches to REMOTE and MENU, respectively.
Total drum rotation time	d 00 00 0H	

VITC Position display

The following items are displayed while the RESET button is kept depressed.

Mode	Counter Display	Remarks
When reading of VITC position was possible	00.00 L	Set the CONTROL and DIAL MODE switches to REMOTE and SEARCH, respectively.
When reading of VITC position was not possible	--.-- L	

Rear panel parts



1. Video input signal area

S1-VIDEO IN connector: (AG-7700 only) ..... S1-VIDEO signal input connector.
EXT SYNC IN connector: ..... Input connector for external SYNC signal (with loop-through 75 Ω termination switch).
LINE IN connector: (AG-7700 only) ..... Video signal input connector (with loop-through 75 Ω termination switch).

2. Video output signal area

S1-VIDEO OUT (1, 2) connectors: ..... S1-VIDEO signal output connectors.
VIDEO OUT (1, 2) connectors: ..... Video signal output connectors.

3. Remote signal area

REMOTE 9P connector: ..... Connector for editing controller (9P).

4. Monitor output signal area

VIDEO connector: ..... Output connector for video monitor signal.
AUDIO connector: ..... Output connector for audio monitor signal.

5. Audio input signal area (AG-7700 only)

Input audio level switches: ..... Set input level to –6, 0 or +4 dB.
NORM/HI-FI audio input connectors: ..... NORM/Hi-Fi audio (CH1/2) input connectors.
HI-FI audio input connectors: ..... Input connectors for hi-fi sound only.

6. Audio output signal area

NORM/HI-FI audio output connectors: ..... NORM/Hi-Fi audio (CH1/2) output connectors.
HI-FI audio output connectors: ..... Output connectors for hi-fi sound only.

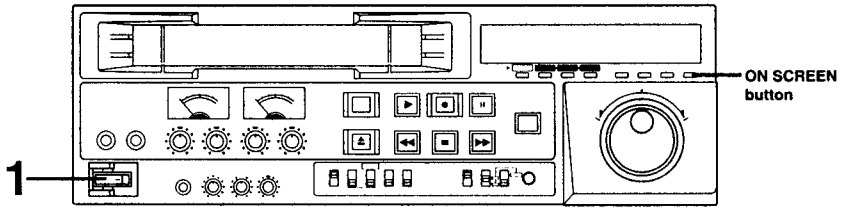
7. Time code signal area

TIME CODE IN connector: (AG-7700 only) ..... Time code signal input connector.
TIME CODE OUT connector: ..... Time code signal output connector.

8. Power supply circuit area

GND terminal: ..... When connecting this unit to any other component, make absolutely sure that it is properly grounded by connecting this terminal.
AC IN socket: ..... Connect to AC 220~240V power outlet.

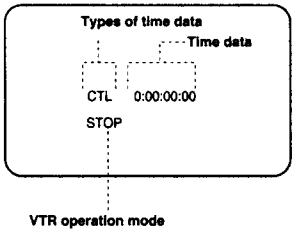
Switching on the power



1. Press the POWER switch.

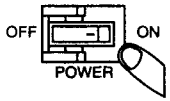
The power is now supplied to the unit.

- The display below appears through VIDEO MONITOR OUT connector if the ON SCREEN button is pressed.



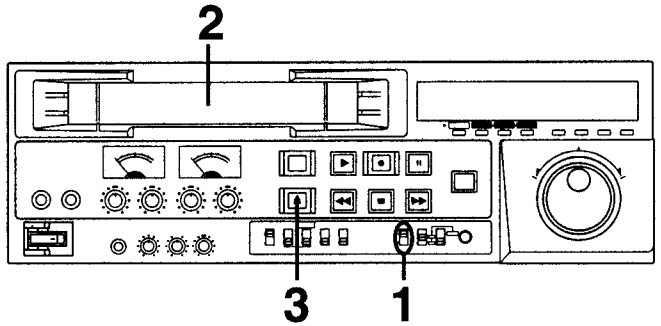
This appears only when item No. 4004 of the dial menu function is ON.

- If an error appears on the display, stop operation immediately and read page E-54.



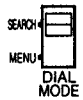
1—5

Installing a cassette



1. Set the DIAL MODE switch to SEARCH.

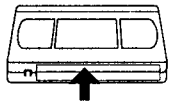
- When the DIAL MODE switch is at "MENU", operations not relating to the dial menu functions cannot be performed.



2. To install the cassette tape:

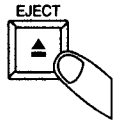
Insert the tape in the slot provided and push the center area of the cassette gently.

The cassette "in" lamp now lights in the function display lamp area.



3. To remove the cassette tape:

Press the EJECT button. Draw the emerging cassette tape out straight toward you.
The cassette "in" lamp now goes off.



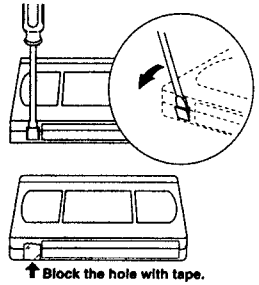
MEMO

To prevent accidental erasure of recorded material:

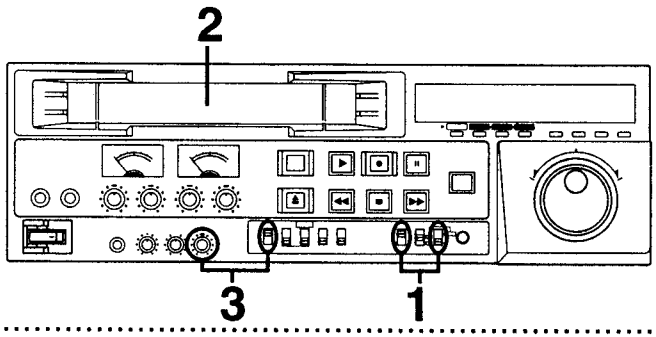
Break out the tab to prevent further recording.

To re-record:

Block the tab hole with cellophane tape.



Recording (AG-7700 only)

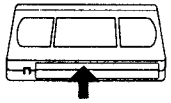


1. Set the switches (see page E-21 to E-23).

CONTROL switch → LOCAL
DIAL MODE switch → SEARCH

2. Install the cassette tape (see page E-13).

Check that the tab on the recording tape for preventing accidental erasure has not been broken out.



3. Adjust the recording level.

[1] **Set the CH2 METER switch to "VIDEO TRACKING."**



[2] **Automatic adjustment**

Press in the VIDEO LEVEL control. The recording level will now be adjusted automatically.

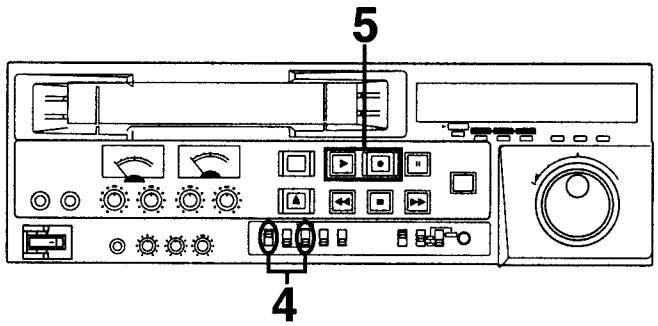
[3] **Adjustment to desired level**

Pull out and turn the VIDEO LEVEL control.

The appropriate recording level is where "0" is indicated on the level meter.

- The AUDIO CH2 level meter indicates the recording level during recording.





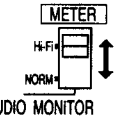
4. Adjust the audio recording level.

[1] **Set the CH2 METER switch to "AUDIO CH2."**



[2] **Select the type of sound whose level is to be adjusted.**

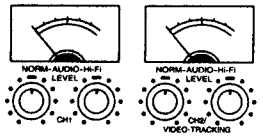
Use the METER switch for this.
HI-FI: The meter displays the hi-fi audio level.
NORM: The meter displays the normal audio level.



[3] **Level adjustment**

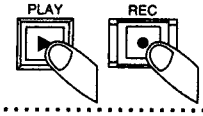
Rotate the level controls and set them to the highest possible value where the pointers do not pass beyond the "0" position on the level meters.

- Set the "AUDIO LIMITER" (item No. 3002) dial menu function to "OFF" before proceeding with the normal audio level adjustment.



5. Press the REC and PLAY buttons together.

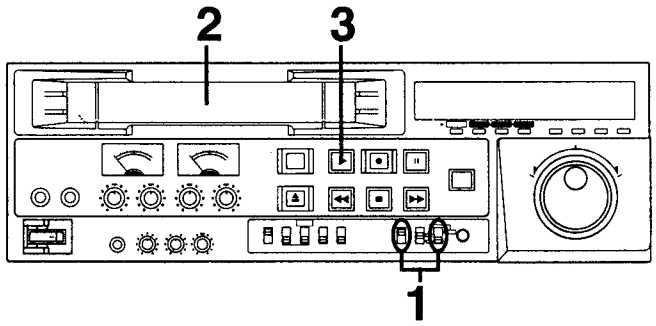
Recording now starts.



MEMO

- The dial menu functions are used to activate the audio limiter function and Dolby NR system (see page E-36). When the audio limiter function is activated, the automatic volume limiter circuit operates to ensure that the sound is recorded without distortion even if the input level should reach an excessively high level during recording.
  The Dolby NR system ensures that the sound is recorded and played back with reduced tape noise (hiss).
- When recording Hi-Fi sound, set the "HI-FI REC" (item No. 3003) dial menu function to "ON".
- When the Hi-Fi sound is not to be recorded, it is not enough merely to set the level control to the "0" position. Be sure to set the "HI-FI REC" (item No. 3003) dial menu function to "OFF".
- The Hi-Fi audio input connectors can be switched using the "HI-FI INPUT SELECT" (item No. 3004) dial menu function.
- To make a recording using an external sync signal, set the "SYNC" (item No. 1001) dial menu function to "EXT".

Playback

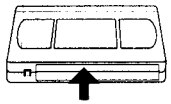


1. Set the switches (see page E-21 to E-23).

CONTROL switch → LOCAL
DIAL MODE switch → SEARCH

2. Install the cassette tape (see page E-13).

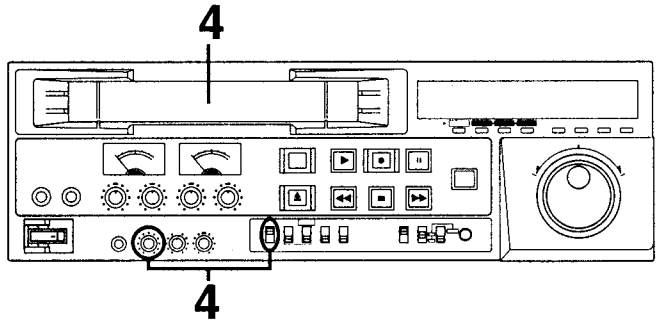
Install the tape with the recorded sound and pictures which are to be played back.



3. Press the PLAY button.

Playback now commences.





4. Adjust the tracking.

[1] **Set the CH2 METER switch to "VIDEO TRACKING."**



CH2 METER

[2] **Normally,**

the TRACKING control is set to its center "fix" position for playback.

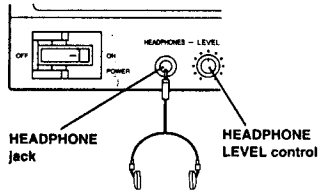


[3] **When playing back a tape which has been recorded on another VTR,**

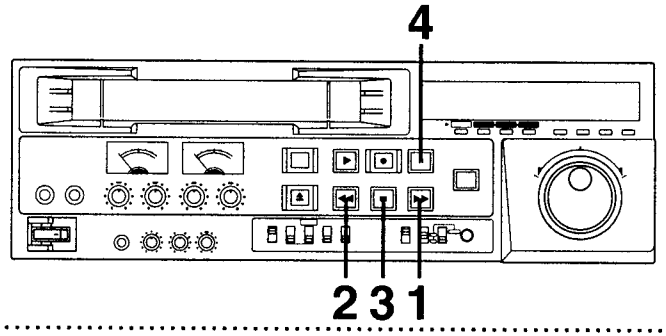
turn the TRACKING control slowly to the left or right and set so that the meter pointer deflects to the maximum.

NOTES

- Set the Dolby NR system ON using the dial menu function when playing back a tape which has been recorded using the system (see page E-36).
- If the tracking shifts out of alignment during playback, the Hi-Fi lamp will go out and the Hi-Fi sound will not be output even if it was recorded.
- When using the headphones:
  The volume level may change when high-impedance headphones are connected.
- To playback a signal using an external sync signal, set the "SYNC" (item No. 1001) dial menu function to "EXT".

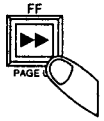


FF, REW stop and pause/still



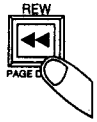
1. Fast forwarding the tape

Press the FF button.



2. Rewinding the tape

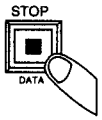
Press the REW button.



3. Stopping the tape

Press the STOP button.

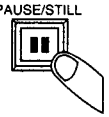
- The STOP button lights and all operations are stopped.
- When the "PB/EE SELECT" (item No. 2004) dial menu function is set to "EE", E-E pictures will appear on the TV monitor.



4. Pause

Press the PAUSE/STILL button during recording or playback.

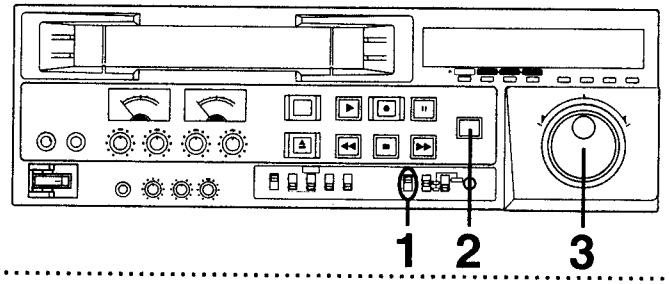
- During playback, the unit is placed in the PAUSE/STILL mode and still pictures are played back.
- During recording, the unit is placed in the REC/PAUSE mode and recording is temporarily suspended.



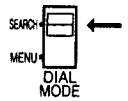
NOTES

- Set the CONTROL switch to LOCAL.
- Set the DIAL MODE switch to SEARCH.
- The unit is automatically placed in the tape protection mode if the STOP or PAUSE/STILL mode should continue beyond a certain period of time (which can be set using the item No. 1002 to 1004 dial menu function). (See page E-34.)

Search operations

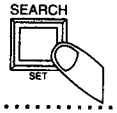


1. Set the DIAL MODE switch to "SEARCH".



2. Press the SEARCH button.

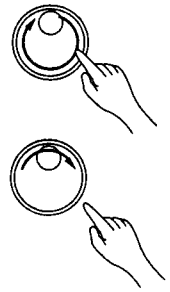
The SEARCH button, PLAY button and PAUSE/STILL button light, indicating that a search can now be performed.



3. Operate the search dial.

The inner dial is used for the jog mode and the outer dial for the shuttle mode.

- When the dial is turned toward the right, the tape is played back in the forward direction (the FWD lamp lights); conversely, when it is turned toward the left, the tape is played back in the reverse direction (the REV lamp lights).



[1] **JOG mode**

Turn the outer dial to the center position. The tape is played back at a speed ranging from a still picture to ±1x the normal speed depending on the speed at which the inner dial is turned. When the turning of the dial is stopped, a still picture display appears regardless of the switch setting.

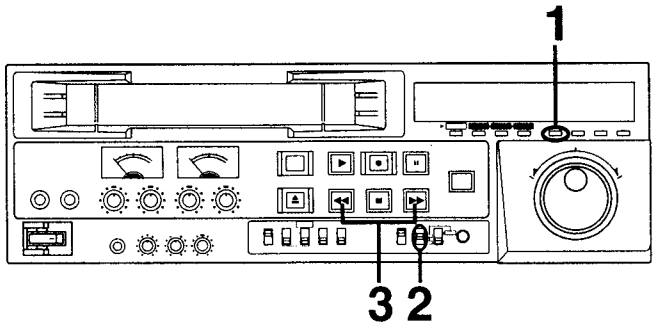
[2] **SHUTTLE mode**

In response to the angle to which the outer dial is turned, the tape can be played back at a speed ranging from 0 to ±32x faster or slower than normal tape speed. (However, when the tape approaches the end, the low-speed search mode is established in order to protect the tape from possible damage.) A still picture results at the center (click-stop) position. When the tape is played back at the –32x speed, the picture on the monitor screen will slip: this is normal and not indicative of malfunctioning.

NOTES

- Keep the CONTROL switch at the LOCAL position.
- When setting the direct search mode, set the "DIRECT SEARCH" (item No. 1005) dial menu function to "ON." (See page E-34.)

AUTO STOP function



1. Press the RESET button at the position where the tape is to be automatically stopped.

The tape counter displays "0:00:00:00."

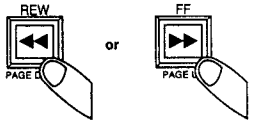


2. Set the MEMORY switch to AUTO STOP.



3. Proceed with fast forward or rewinding.

The tape automatically stops when the tape counter display nears the "0:00:00:00" mark.

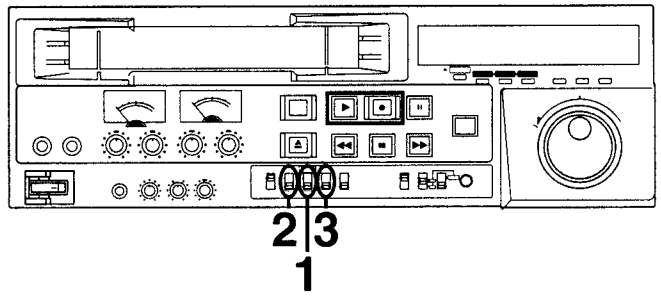


NOTE

■ The AUTO STOP function does not work when:
- The CONTROL switch is at the "REMOTE" position.
- The CTL/TC/UB button is at any position except "CTL."
- DIAL MODE switch is at the "MENU" position.

■ The AUDIO OUT level can be selected using the switch (located below the circuit board's metal clamp) on the AUDIO2 printed circuit board. (See page E-51.)

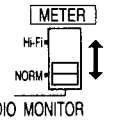
Setting the audio switches



1. Setting the AUDIO MONITOR (METER) switch

This is used to select the sound displayed on the level meter and the sound which is output to the headphone jack on the front panel or the AUDIO MONITOR connector on the rear panel.

HI-FI: Hi-Fi sound is selected.
NORM: Normal sound is selected.



2. Setting the AUDIO MONITOR switch

This is used to select the audio channel for the sound output to the headphones jack on the front panel and the AUDIO MONITOR connector on the rear panel.

CH1: The CH1 sound is output.
MIX: Mixed CH1 and CH2 sound is output to the headphones jack CH1 sound is heard at the left and
CH2: CH2 sound at the right.
The CH2 sound is output.



- No sound will be heard from normal audio CH2 when the "AUDIO CH2" (item No. 3006) dial menu function is set to "LTC."

3. Setting the AUDIO OUT switch

This is used to select the sound which is output to the AUDIO OUT (NORM/Hi-Fi) connectors on the rear panel.

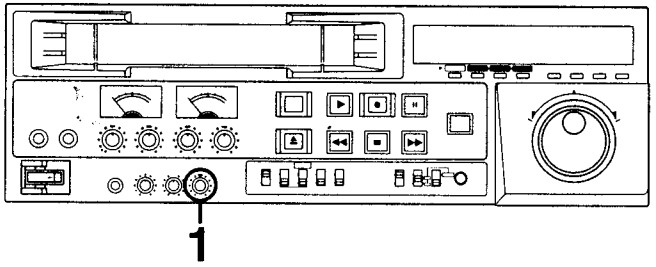
HI-FI: Discriminates between Hi-Fi and normal audio automatically. When there is no Hi-Fi audio output signal, normal audio will be automatically outputted.
NORM: Normal sound is selected.



NOTE

■ Set "HI-FI REC" (item No. 3003) dial menu function to "ON", to record Hi-Fi sound.
ON: Hi-Fi sound and normal sound are recorded.
OFF: Normal sound is recorded.

Setting the video switches



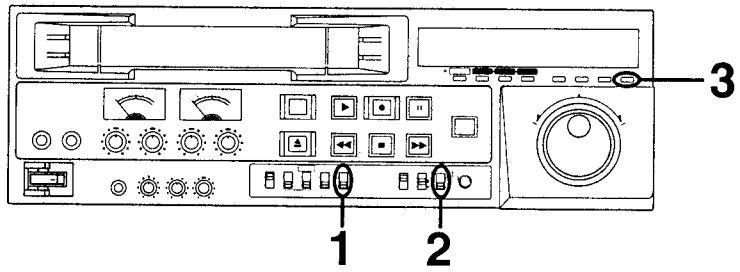
1. Setting the VIDEO LEVEL control (AG-7700 only)

This is used to adjust the video level automatically during recording.

PUSH: The video level is automatically adjusted.
PULL: The video level is not automatically adjusted.



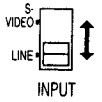
Other switch settings



1. Setting the INPUT switch (AG-7700 only)

During editing this switch is set to the position corresponding with the input signal.

S-VIDEO: When recording video signals which have been input to the S1-VIDEO IN connectors.
LINE: When recording video signals which have been input to the VIDEO IN connectors.

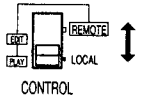


2. Setting the CONTROL switch

This is used to set the unit's control mode.

REMOTE: Set to this position for operating the unit by remote control using an controller, etc. Only the unit's eject function will now be operational.
LOCAL: Set to this position to operate the unit.

- The operation modes of this unit in the REMOTE mode can be set using dial menu item No. 5001.

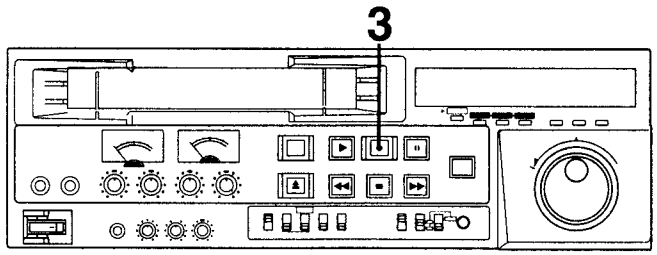


3. Setting the ON SCREEN button

This is used to add a time code or other superimpose signal to the video signal which is output from the VIDEO MONITOR connector.



Before proceeding with editing
(AG-7700 only)



"Editing" consists in taking pre-recorded tapes, combining various material into one part, cutting out the parts which are not desired and connecting only what is required into a single program. There are two editing modes: assemble and insert.
Complete the operations listed below before proceeding with editing.
(CTL editing is the type of editing which is possible when only this unit is used for editing. Time code editing is not possible.)

1. Complete the adjustments and settings (see page E-21 to page E-23).

2. Check whether the FRAME LOCK lamp lights when the following steps are taken.

[1] **Playback the tape which is to be edited.**

[2] **Use the TRACKING control on the source unit so that the TRACKING meter pointer deflects to its maximum.**

[3] **Set the TRACKING control on the editor to its center clickstop position.**

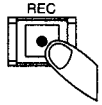
[4] **Set the "FRAME SERVO" (item No. 6005) dial menu function on the editor unit to "ON".**

[5] **Check that the FRAME lamp at the source unit side has lighted.**
■ If the lamp is off, set the "SYNC" (item No. 1001) dial menu function on the editor to "NORMAL".

[6] **Check that the FRAME lamp on the editor has lighted.**
■ If the FRAME lamp is off, the edited pictures may be thrown into disarray.

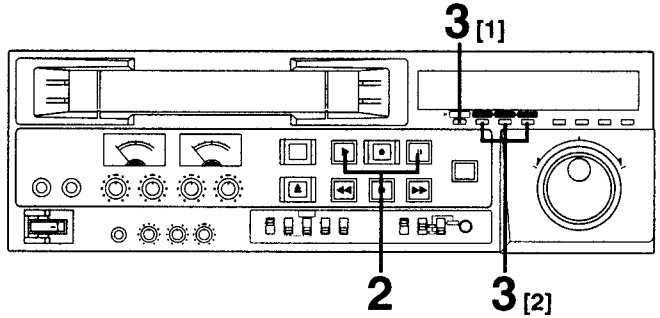
3. The material to be edited can be checked on the TV monitor.
Press the REC button while playback is in progress.

E-E pictures can be viewed while the REC button is depressed.
Signals are not recorded onto the tape.



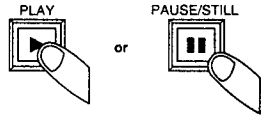
- E-E pictures cannot be viewed if a cassette has been inserted without its accidental erasure prevention tab.

Selecting the editing mode
(AG-7700 only)



1. Proceed first with the editing preparations.
Refer to "Before proceeding with editing" on the previous page for details.

2. Set the unit to the PLAY or PLAY/STILL mode.
Press the PLAY button or PAUSE button.



3. Select the editing mode.

[1] **Assemble editing**

Press the ASSEMBLE button.

When it is pressed once, the button lights; when it is pressed again, its light goes off.

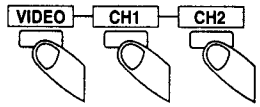


[2] **Insert editing**

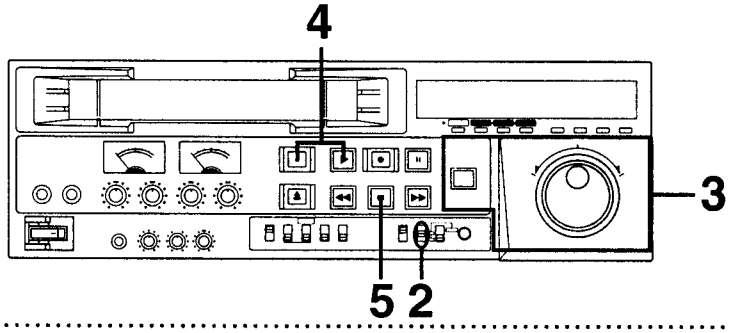
Select the INSERT (VIDEO, AUDIO-CH1, AUDIO-CH2) button corresponding to the editing.

When it is pressed once, the button lights; when it is pressed again, its light goes off.

Insert editing applies only to the signals for the button which has lighted.

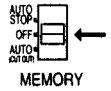


Executing manual editing (AG-7700 only)



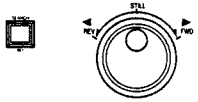
1. Select the editing mode.
Refer to "Selecting the editing mode" on the previous page for details.

2. Set the MEMORY switch to OFF.
If this switch is at the AUTO (CUT OUT) position, editing will be cut out and stopped when the counter display shows "0:00:00:00."

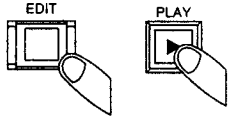


MEMORY

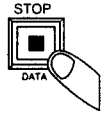
3. Find the edit start point by conducting a search operation and place the unit in the still picture mode.
Refer to page E-19 for details on search operations.



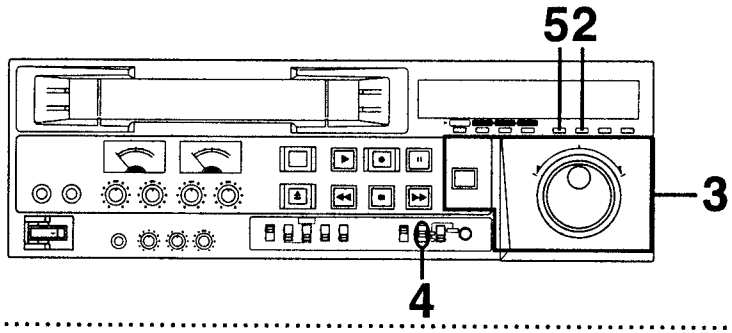
4. Press the PLAY button while pressing down the EDIT button.
The tape jogs back automatically for about 3 seconds, and editing commences. (When colour framing for about 5 seconds.)



5. Press the STOP button to stop editing.

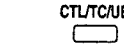


AUTO CUT OUT editing (simple automatic editing) (AG-7700 only)

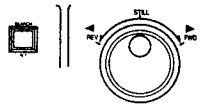


1. Select the editing mode.
Refer to "Selecting the editing mode" on page E-25 for details.

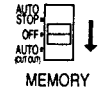
2. Set to CTL mode with the CTL/TC/UB
Press the CTL/TC/UB button to switch to the CTL mode.
Each press of the button causes one of the function indicator lamps, "CTL," "TC" or "UB," to light.



3. Find the edit end point by conducting a search operation and place the unit in the still picture mode.
Refer to page E-19 for details on search operations.

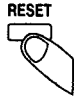


4. Set the MEMORY switch to AUTO (CUT OUT).

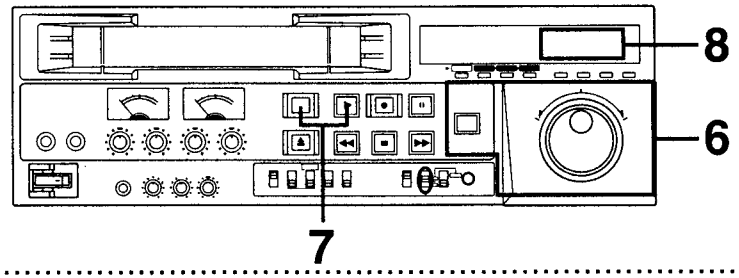


MEMORY

5. Press the RESET button.
The tape counter is reset to "0:00:00:00." The corresponding place on the tape is the edit end point.

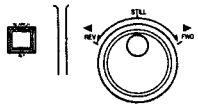


AUTO CUT OUT editing (simple automatic editing) (AG-7700 only)



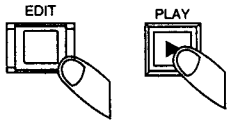
6. Find the edit start point by conducting a search operation and place the unit in the still picture mode.

Refer to page E-19 for details on search operations.



7. Press the PLAY button while pressing down the EDIT button.

The tape jogs back automatically for about 3 seconds, and editing commences.
(When colour framing for about 5 seconds)



8. End of editing

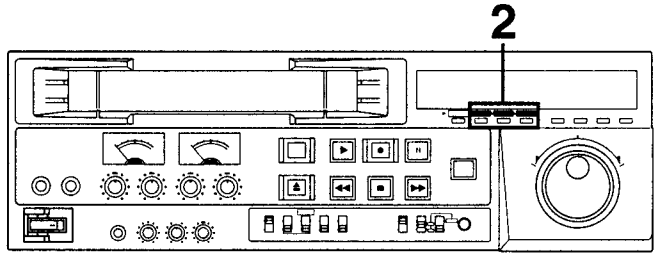
When the tape counter reaches "0:00:00:00," editing will be automatically cut out.



- With insert editing, the tape is rewound automatically in the vicinity of the cut out point.

Split editing (AG-7700 only)

"Split editing" consists in changing the editing signals during insert editing.



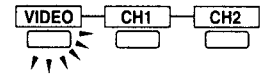
1. Execute insert editing.

See page E-25 for details.

2. Change the editing signals.

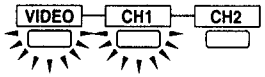
Example of operation:
Adding and inserting the AUDIO CH1 sound during the insert editing of the VIDEO/Hi-Fi signals

[1] **Insert editing of the VIDEO/HI-FI signals in progress**



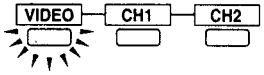
[2] **Press the AUDIO CH1 button.**

The AUDIO CH1 sound is insert-edited.



[3] **Press the AUDIO CH1 button again.**

The insert-editing of the AUDIO CH1 sound is terminated.



NOTES

- The editing mode cannot be switched to assemble editing while insert editing is in progress.
- The editing mode cannot be switched to insert editing while assemble editing is in progress.
- The editing signals cannot be switched during the approximately 3-second long AUTO BACK operation or while the tape is traveling in preparation. (When colour framing for about 5 seconds.)

Precautions for editing (AG-7700 only)

- If the EDIT START button is pressed without the editing mode having been set, the edit mode buttons (ASSEMBLE, VIDEO Hi-Fi, AUDIO CH1, AUDIO CH2) flash 6 times to prompt the operator to select the mode.
- Due to the preroll requirements, a pre-recorded section lasting at least 3 seconds must precede the edit start point. Editing cannot be conducted from the very start of the tape.
  Normally, the controller's preroll time is set to 5 or more seconds. However, when phase-synchronized editing is not to be performed, editing is possible with a 3-second preroll time by using an external sync signal (EXT).
- However, since the external sync signal cannot be used during colour framing editing, editing cannot be conducted if the section lasts only 3 seconds.

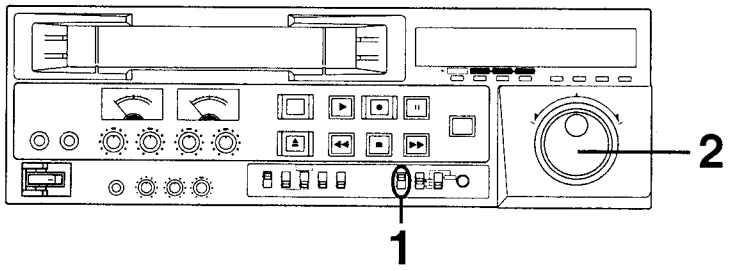
Precaution for assemble editing

- Bear in mind that about 2 seconds of the original recording after the edit end point will be erased.

Precautions for insert editing

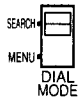
- The picture will be thrown into disarray at the edit start and end points if insert editing is conducted using the VHS system on a tape which has been recorded using the S-VHS system.
- Since the control signal is used for the editing, make sure that the edit period does not extend beyond the recording made on the tape.

Using the dial menu functions

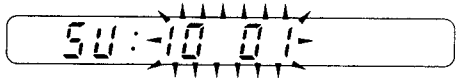


1. Set the DIAL MODE switch to MENU.

This disables all operations except those relating to the dial menu functions.
(This unit remains in the mode which was established before the dial menu functions were displayed.)



The following appears on the display.



The SETUP-MENU screen appears on the monitor which is connected to the MONITOR VIDEO connector.
The monitor display shows the following.

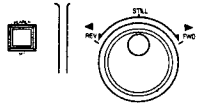
```
SETUP-MENU NO. 1001

01 SYNC ← Flashing display
02 STILL TIME SELECT
03 TAPE PROTECTION
04 READY OFF MODE SELECT
05 DIRECT SEARCH
06 SHORT FF
07 AUTO REW
        ↓
```

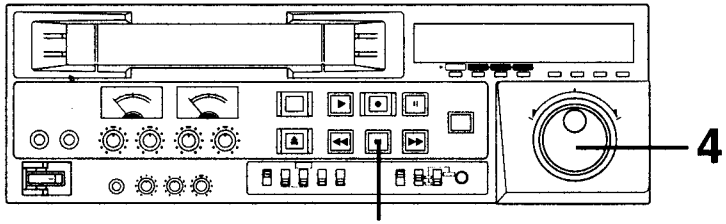
2. Turn the JOG dial and locate the setting item

When it is turned clockwise, the number is successively incremented from 1001 → 1002 → 1003 → etc. Conversely, when it is turned counterclockwise, the number is successively decremented. (The selected item is indicated by flashing.)

- Press the FF (page up) or REW (page down) button to scroll the menu up or down 1-page units.

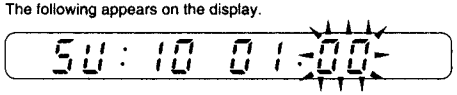


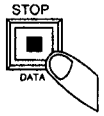
Using the dial menu functions



3. Press the STOP button when the desired item is located.

The set-up change screen is displayed while the STOP button is kept depressed.
The following appears on the display.





The monitor display showns the following.

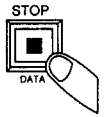
SETUP-MENU NO. 1001-00

01 SYNC

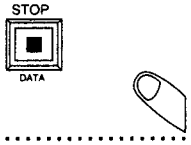
NORMAL ← **Flashing display**

4. Turn the JOG dial while pressing the STOP button.

The flashing display changes. Set the item to the desired value.

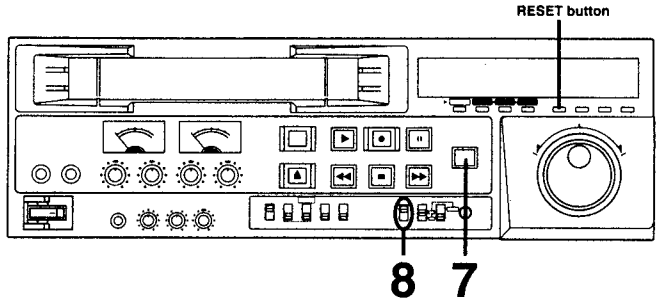


5. Release the STOP button.



NOTE

- The setting method differs for item No. 7010 and 7011. (See page E-41).

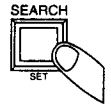


6. Repeat steps 3 to 5.

Set all the items whose set-up is to be changed to the desired value.

7. Upon completion of the settings, press the SEARCH (SET) button.

The set-up changes are now entered, and the following message appears.

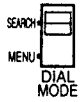


[SETUP-MENU END]
SET TO SEARCH POS

■ The display indication returns to the normal counter indication.

8. Return the DIAL MODE switch to SEARCH.

The normal screen is returned.



- If the switch is returned to SEARCH without the SET button having been pressed in step 7, the settings will not be entered.

MEMO

- To return set-up items to their original (factory-set) settings, press the RESET button when the SETUP-MENU is indicated. The following message appears.

SETUP-MENU INIT. SET
OK ? (PUSH PLAY KEY)

The values are restored to their original settings when the PLAY button is pressed.

Set-up menu screen

Operation/function set-up items

Item		Set-up value		Description of function
No.	Superimpose display	No.	Superimpose display	
1001	SYNC	00 01	NORMAL EXT	Selects the sync signal. 00: Synchronization with the input video signal. 01: Synchronization with the external sync signal.
1002	STILL TIME SELECT	00 01 02 03	2 SEC 30 SEC 1 MIN 5 MIN	When the unit is in the STOP or STILL mode, this selects the duration of time after which the unit is automatically placed in the TAPE PROTECTION mode in order to protect the tape. The setting is valid from the next time the STOP or STILL mode is activated.
1003	TAPE PROTECTION	00 01	READY OFF AUTO ADVANCE	Selects the operation to be performed in the TAPE PROTECTION mode. The setting is valied from the next time the TAPE PROTECTION mode is activated. 00: The READY OFF mode is established. 01: Each time the duration specified by the STILL TIME SELECT setting elapses, the tape is advanced three frames, and the unit enters the READY OFF mode approximately 30 minutes later.
1004	READY OFF MODE SELECT	00 01 02	DRUM ROTATE DRUM STOP UNLOADING	Selects the operation in the READY OFF mode. 00: Drum rotates due to loose tape. 01: Drum stops due to loose tape. 02: Unloading
1005	DIRECT SEARCH	00 01	OFF ON	Selects the direct search mode. 00: Normal search operation. 01: Unit is automatically placed in the search mode when the search dial is operated even without the search button being pressed.
1006	SHORT FF	00 01	OFF ON	Selects the short FF function. 00: No short FF operation. 01: Short FF operation is conducted at tape start.
1007	AUTO REW	00 01	OFF ON	Selects the auto rewind function. 00: Stops at tape end. 01: When the tape reaches the end, it is automatically rewound to the start and the unit stops operating.
1008	AUTO BACK (AG-7700 only)	00 01	OFF ON	Sets the auto back space recording function. 00: Normal recording/pause mode 01: When the REC button is pressed in the PLAY/STILL mode or if the PAUSE/STILL button is pressed during recording, the tape is rewound for about 3 seconds and the unit is placed in the standby mode. When the PAUSE/STILL button is then pressed, the unit conducts playback for 3 seconds and then recording commences.

[The shading denotes the initial setting.]

Video set-up items

Item		Set-up value		Description of function
No.	Superimpose display	No.	Superimpose display	
2001	IMAGE MODE SELECT	00 01	NORMAL EDIT	00: Select this setting for normal operation. The noise canceler and CAC function operate for both the luminance and chrominance signals. 01: Select for editing.
2002	VIDEO MODE	00 01 02	COLOUR AUTO B/W	Selects the colour mode of the input video signal. 00: Forces colour mode operation. 01: Automatically detects color mode by the input signal. 02: Forces black and white mode operation.
2003	NOTCH FILTER	00 01	OFF ON	Set the notch filter 00: Notch filter OFF. 01: Notch filter ON. (This switch has nothing to do with recording for AG-7700.)
2004	PB/EE SELECT	00 01	PB/EE EE	Sets the image that appears on the screen when the unit is in the STOP mode. 00: The playback image is output. 01: The EE image is output.
2005	WIDE MODE SELECT	00 01 02	AUTO WIDE NORMAL	Sets the unit's operation for WIDE IDs. 00: Records a WIDE ID on the tape when wide data is encountered in the input signal during recording. During playback, wide data is added to the Y and C output signals if there is a WIDE ID on the tape. 01: Appends wide data to the Y/C output signal and records a WIDE ID on the tape during recording. 02: No wide data is accepted.
2006	S-VHS REC **(AG-7700 only)**	00 01	OFF ON	Selects the recording format. 00: Recording are made in VHS format. 01: Recording are made in S-VHS format. (With an S-VHS tape only)

[The shading denotes the initial setting.]

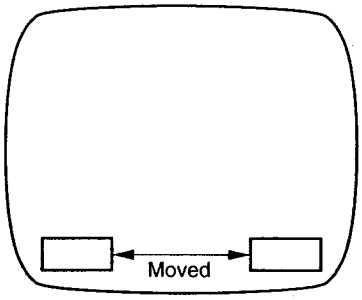
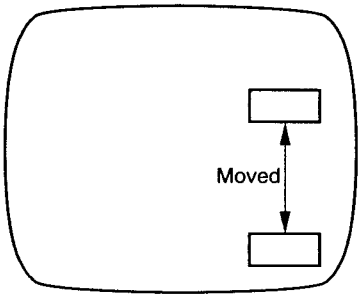
Set-up menu screen (cont.)

Audio set-up item

Item		Set-up value		Description of function
No.	Superimpose display	No.	Superimpose display	
3001	DOLBY NR	00 01	OFF ON	Sets the Dolby NR system. 00: Dolby NR system OFF. 01: Dolby NR system ON.
3002	AUDIO LIMITER (AG-7700 only)	00 01	OFF ON	Set the audio limiter function. 00: Dynamic volume is recorded in its original form. 01: Automatic volume limiter circuit operates to enable sound to be recorded without distortion even when the input level reaches an excessively high level at moments during recording. (This function works for normal sound only.)
3003	HI-FI REC (AG-7700 only)	00 01	OFF ON	Selects the Hi-Fi recording setting. 00: Only normal audio is recorded; no Hi-Fi audio is recorded. 01: Both Hi-Fi and normal audio are recorded.
3004	HI-FI INPUT SELECT (AG-7700 only)	00 01	HI-FI INPUT NORMAL INPUT	Selects input connectors during Hi-Fi sound recording. 00: Hi-Fi audio input connectors 01: NORM/Hi-Fi audio input connectors
3005	CH1 REC (AG-7700 only)	00 01	CH1 MIX	Selects the input during normal sound CH1 recording. 00: Records CH1 sound. 01: Records mixed CH1/CH2 sound.
3006	AUDIO CH2	00 01	AUDIO LTC	Switches normal audio on or off in CH2. 00: CH2 is used for audio recording. 01: CH2 is used as the LTC track.

[The shading denotes the initial setting.]

Superimpose set-up items

Item		Set-up value		Description of function
No.	Superimpose display	No.	Superimpose display	
4001	CHARACTER BACKGROUND	00 01	Selection is made while opserving superimpose display.	Selects background mode for VIDEO MONITOR superimpose display. 00: Black display = LTCR 00:00:00:00 01: Edge display = LTCR 00:00:00:00
4002	CHARACTER H-POSITION	00 01 02 03 04 05 06 07	Selection is made while opserving superimpose display.	Selects horizontal position for VIDEO MONITOR superimpose display; moves characters to right as No. is increased. 
4003	CHARACTER V-POSITION	00 01 02 03 04 05 06 07	Selection is made while opserving superimpose display.	Selects vertical position for VIDEO MONITOR superimpose display; moves characters to down as No. is increased. 
4004	STATUS SUPER	00 01	OFF ON	Selects whether VTR operation mode is to be indicated as a superimposed display. 00: VTR operation not displayed. 01: VTR operation displayed.

[The shading denotes the initial setting.]

Set-up menu screen (cont.)

Remote set-up items

Item		Set-up value		Description of function
No.	Superimpose display	No.	Superimpose display	
5001	EJECT/STOP FNCTN REM.	00 01	POSSIBLE NOT POSSIBLE	Enables or disables operation of panel EJECT/STOP button in remote mode. 00: Enables operation. 01: Disables operation.
5002	9P DEVICE TYPE SELECT	00 01	OTHER TYPES S-VHS ID	Selects ID code returned to 9P device type request command. 00: When connecting a controller not made by Panasonic. 01: When connecting a controller made by Panasonic.
5003	9P FF/REW MODE	00 01	LOADING UNLOADING	Selects the unit's operation in response to FF and REW commands. 00: FF or REW are excuted with the tape loaded. 01: FF or REW are excuted after the tape is unloaded.

[The shading denotes the initial setting.]

Editing set-up values

Item		Set-up value		Description of function
No.	Superimpose display	No.	Superimpose display	
6002	AUTO PREROLL ENTRY	00 01	NOT ENTERED ENTERED	Selects whether to enter IN point by preroll command when IN point has not been entered. 00: Not entered 01: Entered
6003	PREROLL TIME	00 01 : 05 : 10 : 15	0 SEC 1 SEC : 5 SEC : 10 SEC : 15 SEC	Selects preroll time for 9P control from 0 to 15 sec.
6004	PLAY DELAY	00 01 : 05 : 10 : 15	0 FRAME 1 FRAME : 5 FRAME : 10 FRAME : 15 FRAME	Selects play delay time during play start from 0 to 15 frames.
6005	FRAME SERVO AG-7600 00 OFF) only 01 ON)	00 01 02	OFF ON COLOUR FRAME	Sets framing mode 00: Set to this position when signals not in conformity with EIA standard signals are supplied. Framing is not conducted. 01: Framing is conducted if set to this position when signals in conformity with EIA standard signals are supplied. 02: 4 sequence colour framing mode is activated.

[The shading denotes the initial setting.]

- At the SYNC EXT setting, the COLOUR FRAME function does not operate, and only framing is conducted.
- Do not synchronize the phase at the source machine during colour framing editing. (Do this at the editor.)

Time code set-up items

Item		Set-up value		Description of function
No.	Superimpose display	No.	Superimpose display	
7001	TC INT/EXT SELECT (AG-7700 only)	00 01	INT EXT	Set this switch to EXT if an external time code connection has been made.
7002	TC MODE (AG-7700 only)	00 01 02	REGEN REC RUN FREE RUN	Selects the TC mode. 00: Operates to maintain continuity of the data on the tape. 01: Uses an internal preset value to advance the tape only during recording. 02: Uses an internal preset value to advance the tape all the time.
7003	VITC REC (AG-7700 only)	00 01	OFF ON	Selects whether or not to use VITC recording. 00: Don't use VITC recording. 01: Use VITC recording.
7004	VITC POSITION SEL-1 (AG-7700 only)	00 01 : 04 05 06 : 15	7 LINE 8 LINE : 11 LINE 12 LINE 13 LINE : 22 LINE	Selects VITC signal insertion line. *Same line as No. 7005 cannot be selected. (Avoid selecting an adjoining line.)
7005	VITC POSITION SEL-2 (AG-7700 only)	00 01 : 05 06 : 15	7 LINE 8 LINE : 12 LINE 13 LINE : 22 LINE	Selects VITC signal insertion line. *Same line as No. 7004 cannot be selected. (Avoid selecting an adjoining line.)
7006	VITC REGEN (AG-7700 only)	00 01	PLAY PLAY + REC	Selects when to use VITC REGEN processing. 00: Perform REGEN processing during playback. 01: Perform REGEN processing during playback and when recording audio.
7007	TCG REGEN MODE (AG-7700 only)	00 01 02	TC+UB TC UB	Selects regeneration signal when TCG is in REGEN mode. 00: Regeneration for time code and user's bit 01: Regeneration for time code only. 02: Regeneration for user's bit only.
7008	TC OUT SIGNAL REGEN	00 01	OFF TAPE REGEN	Sets the waveform to be output from the TIME CODE OUT connector when in the INTERNAL REGEN mode. 00: Outputs the playback signal without modification. 01: Outputs the playback signal with REGEN processing during SERVO LOCK only.

[The shading denotes the initial setting.]

Time code set-up items

Item		Set-up value		Description of function
No.	Superimpose display	No.	Superimpose display	
7009	UB BINARY GROUP FLAG (AG-7700 only)	00 01 02 03	NOT SPECIFIED ISO CHARACTER UNASSIGNED 1 UNASSIGNED 2	Selects the way the user's bit is used using TCG generation. 00: Not character set specified. 01: 8-bit character set conforming to ISO646 and ISO2022. 02: Undefined. 03: Undefined.
7010	TIME CODE PRESET (AG-7700 only)	00	TCG preset value is set while observing the screen.	Sets preset value of time code generator. 00:00:00:00~23:59:59:24
7011	U-BIT PRESET (AG-7700 only)	00	UBG preset value is set while observing the screen.	Sets preset value of user's bit. 00 00 00 00~FF FF FF FF
7012	EXT VITC READ (AG-7700 only)	00 01	REC EJECT+STOP+REC	Selects the mode for reading the VITC of the input video signal. 00: VITC is read only during recording. 01: VITC is read in the eject, stop or recording mode.
7013	9P VITC TO DUMMY LTC	00 01	OFF ON	Selects the response from 9P to CURRENT TIME SENSE when CH2 is set to "AUDIO." 00: REQUEST TIME DATA MISSING is returned. 01: VITC data is returned as LTC.
7014	9P INTERPOLATED VITC	00 01	HOLD VITC INTERPOLATED LTC	Selects the response method used to return the VITC CTL interpolation value from 9P in response to CURRENT TIME SENSE. 00: HOLD_VITC (74H 16H) is returned. 01: INTERPOLATED LTC (74H 14H) is returned.

7010/7011 setting method

1. Press the STOP button at item No. 7010 or 7011.
2. Turn the JOG dial and move the display to be changed (flashing display).
3. The value will change for item No. 7010 and 7011 when the JOG dial is turned while the STOP button is kept pressed.
4. Press the SEARCH (SET) button upon completion of the settings.

- The present time, code value is displayed as the initial value for item No. 7010 and 7011. When the RESET button is pressed, it will be reset to "00:00:00:00."
- Operation is not possible for item No. 7010 and 7011 unless the "TC INT/EXT SELECT" (item No. 7001) dial menu function set to "INT" and "TC MODE" (item No. 7002) dial menu function is set to "REC RUN" or "FREE RUN."
- Once the setting mode i entered for item No. 7010 or 7011, operation cannot be returned to the setting mode of any other item. When the SEARCH (SET) button is pressed upon completion of the setting, the change made to the previous setting for the item will be entered. On the other hand, when the DIAL MODE switch is set to SEARCH without pressing the SEARCH (SET) button first, all the settings including the one which was made previously will be canceled.

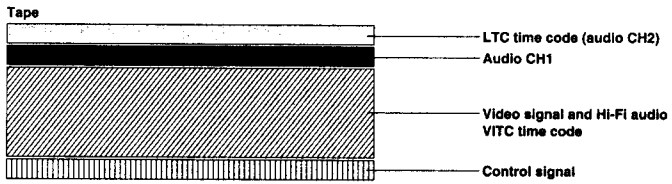
Time Code/user's bit

Time code

The "time code," which is based on the time code signal generated by the time code signal generator, recorded on tape, and read out by the time code signal reader, is used to display absolute positions on the tape in units of "hours:minutes:seconds:frames." Knowing an absolute position makes it possible to conduct editing accurately and search operations speedily.

There are two types of time codes: LTC (longitudinal time code) and VITC (vertical interval time code). The LTC is recorded on the tape's normal audio CH2 track. It is used to record the position information on the tape and user's bit information.

The VITC is recorded in the vertical blanking period of the video signals so that even without using the normal audio CH2 track, it is used to record the information regarding position on the tape and user's bit information.



The time code itself is indicated on the display and superimposed on the TV monitor.



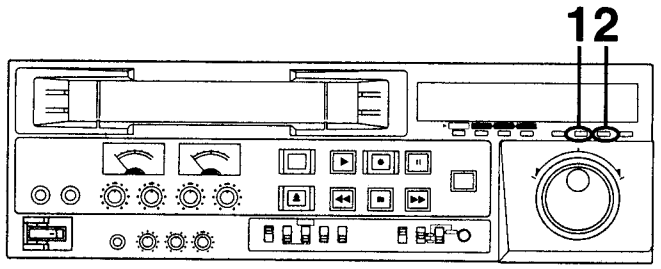
User's bit

Among the time code signals, the "user's bit" is an information released to the user. It is used to record the operator number or real time.

LUBR AB CD EF 88

A total of 16 characters—numbers 0 to 9, A, B, C, D, E and F—can be used for the user's bit.
(The characters "B" and "D" are displayed in small letters in the counter display.)

Setting the time code switches



1. Setting the CTL/TC/UB button

This selects the time code mode which is indicated on the display.

CTL/TC/UB

CTL: The CTL (control) signal value is indicated.
TC: The time code value is indicated.
UB: The user's bit value is indicated.

2. Setting the LTC/AUTO/VITC button

This selects the read out mode of the time code.

LTC/AUTO/VITC

LTC: The LTC time code signal recorded on linear track CH2 is read out.
AUTO: AUTO: Priority is given to reading out the VITC signal when in the slow mode, and to reading out the LTC signal at all other times.
VITC: VITC: Only the VITC signal is read out.

- Interpolation is provided by the CTL signal when it is no longer possible to read out the time code signal in any of the modes.

3. Settings with the dial menu functions

The time code set-up can be performed using dial menu function item No. 7001 to 7009. (See page E-40, E-41.)
The preset values for the time code and user's bit can be set using dial menu function item No. 7010 and 7011.

Recording the time code/user's bit

1. Recording the optional (preset) time code/user's bit

[1] **Set the "TC INT/EXT SELECT" (item No. 7001) dial menu function to "INT." (See page E-40.)**

[2] **Set the "TC MODE" (item No. 7002) dial menu function to "REC RUN." (See page E-40.)**

[3] **Set the preset value using dial menu function item No. 7010 or No. 7011. (See page E-41.)**

- Set the "AUDIO CH2" (item No. 3006) dial menu function to "AUDIO" when the LTC time code is not to be recorded. (See page E-36.)
- Set the "VITC REC" (item No. 7003) dial menu function to "OFF" when the VITC time code is not to be recorded. (See page E-40.)

2. Recording the continuous time code on the editing tape

[1] **Set the "TC INT/EXT SELECT" (item No. 7001) dial menu function to "INT." (See page E-40.)**

[2] **Set the "TC MODE" (item No. 7002) dial menu function to "REGEN." (See page E-40.)**

- Set the "AUDIO CH2" (item No. 3006) dial menu function to "AUDIO" when the LTC time code is not to be recorded. (See page E-36.)
- Set the "VITC REC" (item No. 7003) dial menu function to "OFF" when the VITC time code is not to be recorded. (See page E-40.)

3. Dubbing the LTC signal recorded on the tape (Dubbing the LTC signal with the settings below prevents deterioration in the LTC time code signal.)

[1] **Set to "LTC" mode with the LTC/AUTO/VITC button. (See page E-43.)**

[2] **Set to "TC" mode with the CTL/TC/UB button. (See page E-43.)**

[3] **Set the "TC MODE" (item No. 7002) dial menu function to "REGEN." (See page E-40.)**

[4] **Set the "TC OUT SIGNAL REGEN" (item No. 7008) dial menu function to "REGEN." (See page E-40.)**

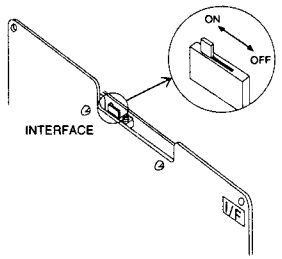
Setting the time code board switch

ALL DEL switch

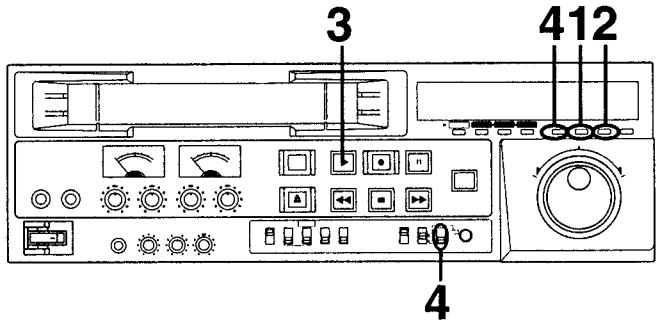
This selects the lines, where the VITC can be inserted for the input video signals, which are to be deleted during VITC recording.

ON (factory setting): All the lines (7 to 22) where the VITC can be inserted for the input video signals are deleted.

OFF : Only two lines where the VITC is inserted for the input video signals are deleted.



Playing back the time code/user's bit



1. Set to TC or UB mode with the CTL/TC/UB button.

CTL/TC/UB

TC: For time code playback.
UB: For user's bit playback.

2. Set the LTC/AUTO/VITC button.

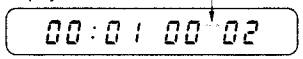
LTC/AUTO/VITC

LTC: The LTC time code signal recorded on linear track CH2 is read out.
AUTO: Priority is given to reading out the VITC signal when in the slow mode, and to reading out the LTC signal at all other times.
VITC: Only the VITC signal is read out.

- Interpolation is provided by the CTL signal when it is no longer possible to read out the time code signal in any of the modes.

3. Press the PLAY button.

Display

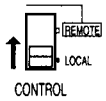


☐ Interpolation by CTL signal

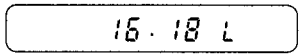


4. To check the VITC insertion lines during playing back.

Set the CONTROL Switch to "REMOTE" and press the RESET button.

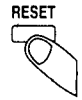


Display



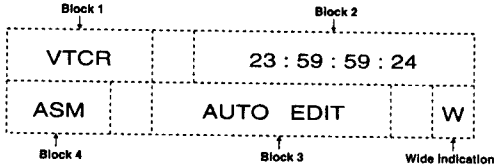
(When VITC is inserted in line 16 and 18.)

RESET



Superimpose screen

When the ON SCREEN switch in the front pocket is set to ON, the superimpose signal listed below are added to the signals output from the VIDEO MONITOR connector.
The superimpose display does not appear in the dial menu mode.



Block 1

The time code modes are abbreviated on the display using the following characters.

CTL: Control signal
TCG: Time code generator value
LTCR: Playback value of LTC time code
VTCR: Playback value of VITC time code
ETCG: External time code generator value
LUBG: Generator value of LTC user's bit
VUBG: Generator value of VITC user's bit
LUBR: Playback value of LTC user's bit
VUBR: Playback value of VITC user's bit
EUBG: Generator value of external user's bit

Block 2

The time code value is indicated in hours, minutes, seconds and frames, each with 2 digits.
(In the UB mode, no colon is displayed.)

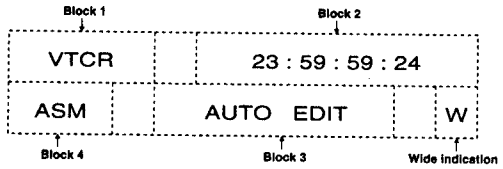
12:34:43:21

[ ] = Time code reading disabled

Block 3

The VTR operating modes are indicated as below.

EJECT (eject)
PLAY (playback)
REC (recording)
STOP (stop)
FF (fast forward)
REW (rewind)
STILL (pause)
EDIT (editing)
EPLY (edit play)
READY-OFF (ready mode release)



Block 3 *(cont.)*

The search is also displayed.

JOG xxxxx (jog)
SHTL xxxxx (shuttle)

"xxxxx" denotes the search speed.

±1/25 Tape speed (in this case, search proceeds in the reverse direction at 1/25x normal playback speed)

↑
***: Forward direction/-:reverse direction**

Block 4 (AG-7700 only)

The edit modes are indicated as follows.

ASM (Assemble)
V12 (Insert): VIDEO, AUDIO-CH1, AUDIO-CH2

NOTE

- The block 3, 4 display and wide indication appears only when the "STATUS SUPER" dial menu function (item No. 4004) is set to ON.

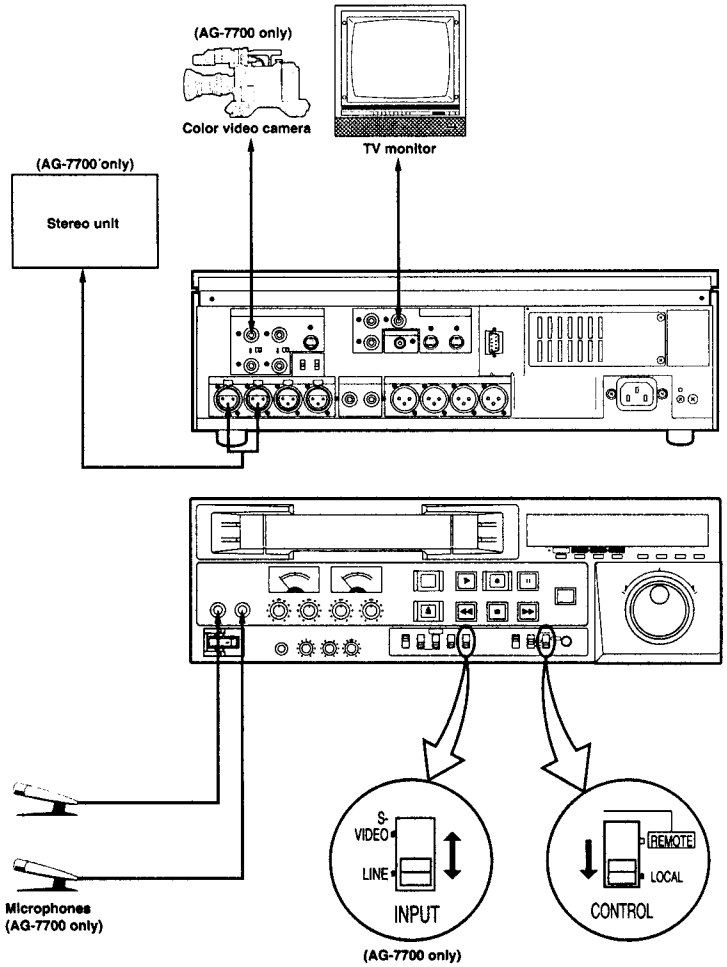
REFERENCE

- The superimpose display characters can be changed using the dial menu function (item No. 4001). (See page E-37.)
- The superimpose display position can be moved using the dial menu function (item No. 4002, 4003). (See page E-37.)

Connections for basic system

These connections are for editing using one S-VHS VTR.

- Set the CONTROL switch to LOCAL.
- Set the "SYNC" (item No. 1001) dial menu function to "NORM".
- Set the "AUDIO CH2" (item No. 3006) dial menu function to "AUDIO". (Set to LTC for editing with the LTC time code signal.)



Dubbing connections

These connections are for editing using two S-VHS VTRs.
The ways to prevent deterioration in the picture quality caused by the dubbing connections are ranked as follows in terms of their effectiveness.

1. Use of S-VIDEO cable
2. Use of BNC cable

- Set the CONTROL switch to LOCAL.
- Set the "AUDIO CH2" (item No. 3006) dial menu function to "AUDIO". (Set this to "TIME CODE" when dubbing LTC time code signals.)
- Set the "IMAGE MODE SELECT" (item No. 2001) dial menu function to "EDIT".

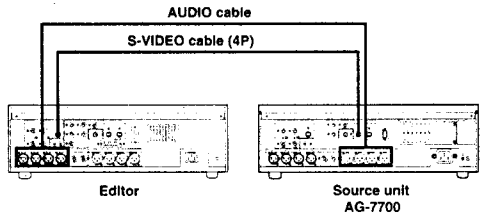
1. Connections using S-VIDEO cable (4P)

Main setting (source unit)

- Dial menu function "SYNC" (item No. 1001) to "NORMAL"
- Dial menu function "IMAGE" (item No. 2001) to "EDIT"

Main setting (editor)

- INPUT switch to "S-VIDEO"
- Dial menu function "SYNC" (item No. 1001) to "NORMAL"
- Dial menu function "IMAGE MODE SELECT" (item No. 2001) to "EDIT"



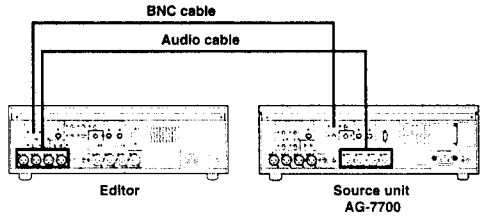
2. Connections using BNC cable.

Main setting (source unit)

- Dial menu function "SYNC" (item No. 1001) to "NORMAL"
- Dial menu function "IMAGE MODE SELECT" (item No. 2001) to "EDIT"

Main setting (editor)

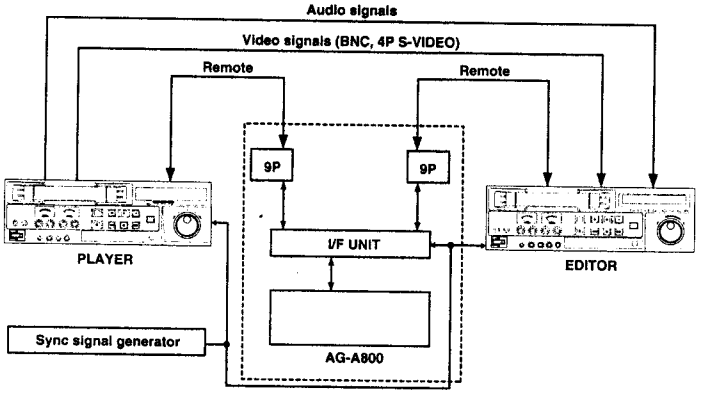
- INPUT switch to "LINE"
- Dial menu function "SYNC" (item No. 1001) to "NORMAL"
- Dial menu function "IMAGE MODE SELECT" (item No. 2001) to "EDIT"



System using 9P editing controller

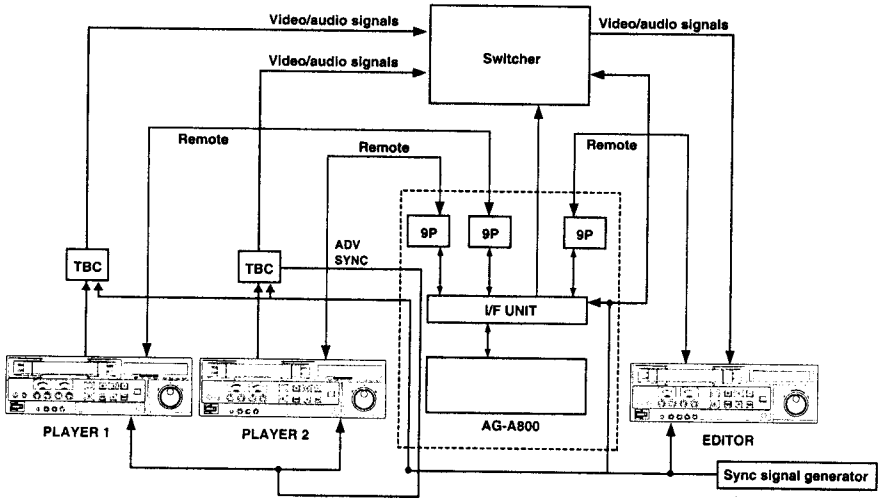
Editing with a high degree of accuracy and with almost no editing errors can be done and using the 9P editing controller (optional accessory) to conduct time code editing.

System composed of one editor and one player



System composed of one editor and two players

(enabling AB roll editing)



1. Connect the editing controller

- Connect it to REMOTE (9P) connector.
- Connect the audio signals.
- Connect the video signals.
- Connect the REF signals.

2. Set 9P DEVICE TYPE SELECT (item No. 5002).

Use the dial menu function to set this.

OTHER TYPES (set-up No. 00): When using a controller not made by Panasonic

S-VHS ID (set-up No. 01): When using a controller made by Panasonic

- Set to OTHER TYPES (SETUP NO. 00) when the AG-A800 (Ver. 2.00–2.52) is used.

3. Set the CONTROL switch to REMOTE.

4. Operate the unit from the editing controller.

For details on how to operate the editing controller, reference should be made to the Instruction Manual accompanying the controller.

- Set the editing timing to 8 frames when the AG-A800 (Ver. 1.00–2.52) is used.
- Set DIP switch 2-3 on the control panel to ON when the AG-A800 (Ver. 2.00–2.52) is used.

System using 9P editing controller

NOTES

- Set the editing timing for the 9P editing controller to 8 frames.
- When using an editing controller provided with a colour framing function, do not set the colour framing mode.
- Although, for insert editing using the 9P editing system, it is possible to set the editing channels independently for the time code signals and audio signals, this particular unit uses linear track CH2 for both the time code (LTC) and normal audio CH2. For this reason, the "AUDIO CH2" dial menu function (item No. 3006) must be set properly in accordance with the signals which are to be edited.
- For time code editing, set the "TC INT/EXT SELECT" dial menu function (item No. 7001) to "INT".
- When the 9P editing system is used, the "9P FF/REW MODE" dial menu function (item No. 5003) can be used to select full loading FF/REW and unloading FF/REW.
- Set the dial menu function (item No. 1003) "TAPE PROTECTION" to "AUTO ADVANCE" only when editing lengthy scenes during AB roll editing.
- For colour framing editing, be absolutely sure to set the SYNC selector on the editor to the NORMAL position. If, in a system in which the TBC is not connected to the player, the player is set to the search or jog mode at this time, the playback picture on the editor will be disturbed.

<Caution>

- Set the preroll time of the editing controller to "7 SEC".
- Use a colour framed tape in the editor unit.
- Use a colour programme tape in the source unit. This tape need not be colour framed.

Notes for Colour Framing

- When reviewing to check the Frame Editing after editing, the source unit is in the pause mode and the editor changes over to the internal synchronisation condition.
  Therefore, the Frame Lamp is off the whole time.
  Please check the colour framing at the Editing-In and -Out points in the review mode on the screen of the monitor.
- The following are remarks on the Colour Framing Editing, however, they do not matter in the ordinary editing system.

Editing via Video Input Connector

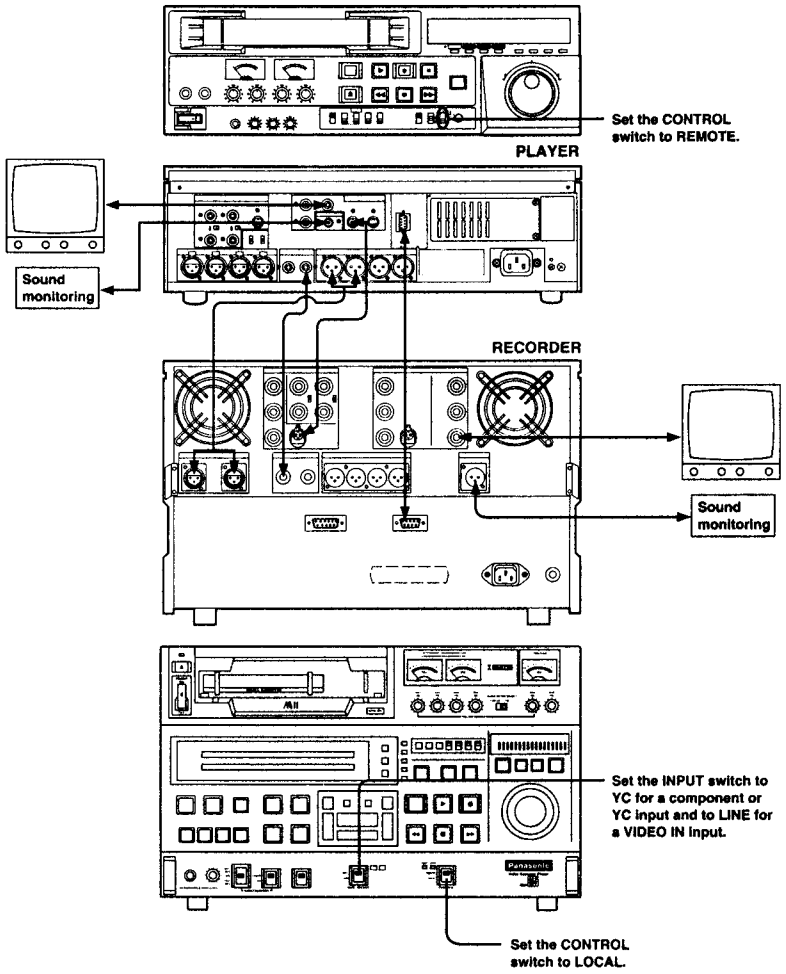
1) The input video signal should be a CCIR standard PAL colour signal.
2) Set the preroll time of the Controller to 7 seconds.
3) The tape in the editor should be recorded by colour framing the CCIR standard PAL colour signal.
4) Both tapes in the source and the editor should have continuity of the colour rotation in all editing sections. (There should not be any assemble or insert editing.)

How to check whether colour framing was performed on a tape or not

1) Insert the tape that you want to check into the AG-7700 and set the MENU function "Frame Servo" to "COLOUR FRAME".
2) Input the standard CCIR PAL signal via the Video Input Connector and playback the tape.
3) If the Frame Lock Lamp lights up, the recording on the tape is colour framed.

System using MII unit

This unit comes with an RS-422A interface facility which enables it to be connected with a professional/industrial MII VTR.



- The above system employs the model AU-65H MII VTR designed for commercial applications.

Error displays

When an error appears on the counter display, it means that a malfunction has occurred in the unit. When this happens, terminate operation without delay and remedy the trouble by following the instructions in the Instruction Manual.

Error display	Problem	Remedy
d	Condensation	Leave power on and wait until error display is cleared (see MEMO below).
E-2	Malfunction in elevator section	This occurs when the cassette has not been inserted properly. Turn off the power and switch it back on again, and check that the unit operates normally.
E-3	Malfunction in loading section	
E-4	Malfunction in cylinder section	This occurs when a heavy load is applied because condensation has formed on the tape or for some other reason. Turn off the power and switch it back on again, and check that the unit operates normally.
E-5	Malfunction in reel section	
E-6	Malfunction in tension section	
E-7	Malfunction in solenoid section	Turn off the power and switch it back on again, and check that the unit operates normally.

- Contact your authorized dealer if the unit does not function normally when the above remedial action has been taken.

MEMO

Condensation

This phenomenon is caused by the same principle under which droplets of moisture (condensation) form on a window in a heated room when it is cold outside. It can occur when the unit or a tape is moved a location with a significantly different temperature or humidity. It also occurs:

- When the unit or tape is moved to a location full of steam which cannot escape or a location with a high humidity, or immediately after movement to a heated room
- When the unit or tape is moved quickly from a cold or cooled location to a high-temperature and/or high-humidity location

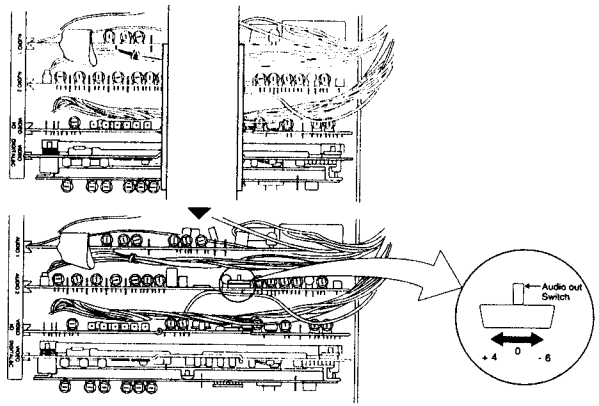
SHOULD A MALFUNCTION OCCUR, TURN OFF THE POWER IMMEDIATELY, TAKE HOLD OF THE POWER PLUG AND DISCONNECT IT FROM THE POWER SOCKET AND CONTACT YOUR DEALER. CONTINUED USE MAY CAUSE FURTHER DETERIORATION OR LEAD TO AN ACCIDENT.

Troubleshooting

Should trouble occur, check out the items listed below and make the recommended adjustments. If the trouble should persist, consult with your dealer.

Symptom	Inspection/adjustment	Ref.
No power.	■ Is power cord disconnected?	—
No operation even when function button is pressed.	■ Error on counter display? ■ CONTROL switch on REMOTE? ■ Search dial mode switch on MENU?	E-54 E-23 E-31
No tape fast forwarding or rewinding.	■ Has tape come to end after fast forwarding or rewinding? ■ Memory switch at AUTO STOP?	— E-20
No recording or editing. (AG-7700 only)	■ Cassette tab broken out? ■ Correct setting for input switch?	E-13 E-23
Playback accompanied by noise.	■ "IMAGE MODE SELECT" dial menu function set to "EDIT"? ■ Dirty video head?	E-35 E-60
Striping appears on part of picture during normal playback.	■ Has tracking been adjusted properly?	E-17
No colour on playback pictures.	■ Has colour mode been set to B/W mode by dial menu function?	E-35
Disturbances affect playback picture at regular intervals.	■ Is vertical sync of TV monitor adjusted properly? ■ Strong fluctuations in supply voltage during recording? ■ Is cassette tape acceptable?	— — —

Setting the audio switches



The AUDIO OUT level can be selected using the switch on the AUDIO2 circuit board (located below the board's *metal clamp*).

Servo reference

This unit automatically selects the input video signal selected by the INPUT switch (AG-7700 only), the EXT VIDEO signal supplied from the EXT IN connector or the internal sync signal (INT) as the servo reference signal. The relationship between the "SYNC" dial menu function (item No. 1001) and servo reference signal during normal playback and recording is as described below.

■ During playback or search

DIAL MENU FUNCTION ITEM No. 1001	Input signal mode		Reference signal
	VIDEO IN signal (AG-7700 only)	EXT IN signal	
NORMAL	○	○	EXT IN signal
	○	×	INT sync signal
	×	○	EXT IN signal (AG-7700 only)
	×	×	INT sync signal (AG-7700 only)
EXT	○	○	EXT IN signal
	○	×	INT sync signal
	×	○	EXT IN signal (AG-7700 only)
	×	×	INT sync signal (AG-7700 only)

■ During editing or recording

DIAL MENU FUNCTION ITEM No. 1001	Input signal mode		Reference signal
	VIDEO IN signal (AG-7700 only)	EXT IN signal	
NORMAL	○	○	VIDEO IN signal
	○	×	VIDEO IN signal (AG-7700 only)
	×	○	EXT IN signal (AG-7700 only)
	×	×	INT sync signal (AG-7700 only)
EXT	○	○	EXT IN signal
	○	×	INT sync signal
	×	○	EXT IN signal (AG-7700 only)
	×	×	INT sync signal (AG-7700 only)

"O": signal is supplied; "X": signal is not supplied.

Connector signals

REMOTE 9P connector

Pin no.	Description of signal
1	GND
2	TRANSMIT A
3	RECEIVE B
4	RECEIVE COMMON
5	SPARE
6	TRANSMIT COMMON
7	TRANSMIT B
8	RECEIVE A
9	GND

S-VIDEO IN/OUT connectors (4P)

Pin no.	Description of signal
1	Y GND
2	C GND
3	Y signal
4	C signal

AUDIO IN/OUT connectors (XLR)

Pin no.	Description of signal
1	GND
2	HOT
3	COLD

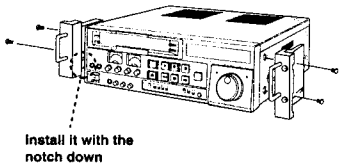
Rack Mount Adaptor (Option)

The Rack Mount Adaptor AG-M730-E is used to mount the unit on the IEC standard rack.

Installation of the AG-M730-E

1. Remove the 4 screws
from the side cabinet of the unit.

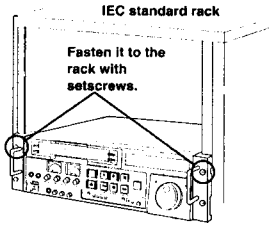
2. Use the 4 screws supplied
with the AG-M730-E to install to the unit.



Mounting on the IEC standard rack

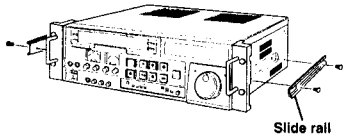
1. Remove the 4 rubber legs
from the bottom of the unit.

2. Mount the unit on the rack.
■ Be sure to install a ventilation fan (air volume of about 3.3 m 2/sec.) on the top of the rack.

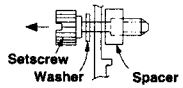


Installation of slide rails

■ Use a complete slide rail and bracket unit for 457 mm length (part No. CC3004-99-0017) or 610 mm length (part No. CC3004-99-0018) of Chassis Track. (The complete slide rail and bracket unit is not available from Panasonic.)



■ When using the slide rail, remove the setscrews. The setscrews can be removed by pulling in the direction of the arrow. Keep the removed setscrews, washers and spacers in a proper place.
- For the details, contact your authorized service personnel.



SECTION 2

DISASSEMBLY PROCEDURE

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NOTE

DISASSEMBLY PROCEDURES ARE BASED ON AG-7700.

2-1. DISASSEMBLY FLOWCHART

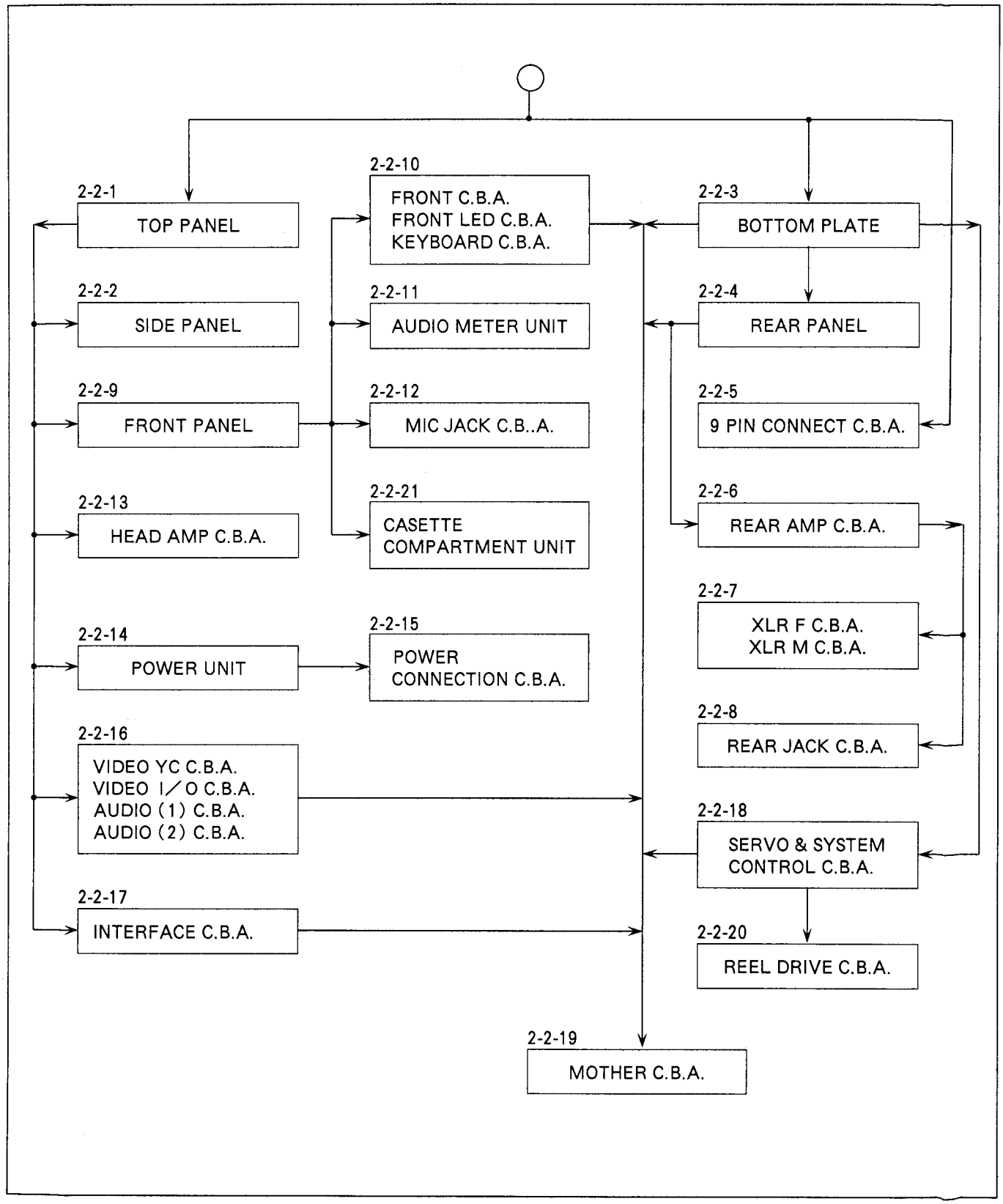


Figure D1

2-2. DETAILED DISASSEMBLY METHOD

2-2-1. REMOVAL OF THE TOP PANEL

1. Unscrew the 2 screws (A) on the Top Panel (Figure D2).
2. Carefully lift the rear of the case and side it off the back of the unit.

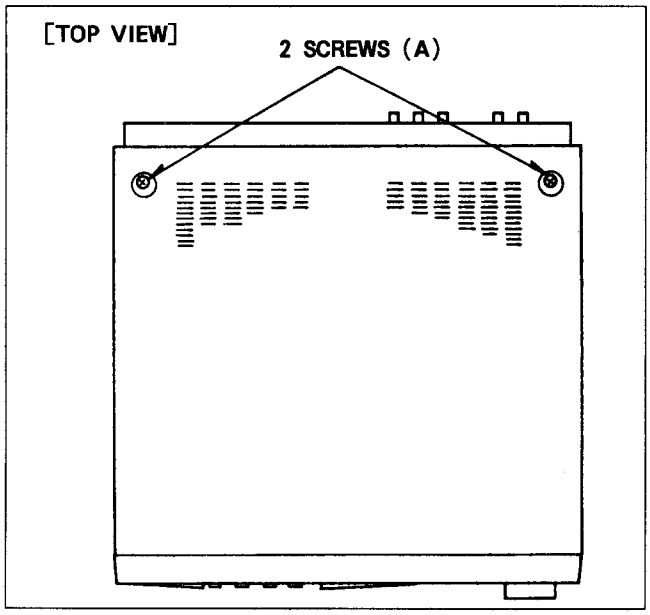


Figure D2

2-2-2. REMOVAL OF THE SIDE PANELS

1. Unscrew the 8 screws (B) on the Side Panels. (Figure D3).
2. Lift the Side Panels.

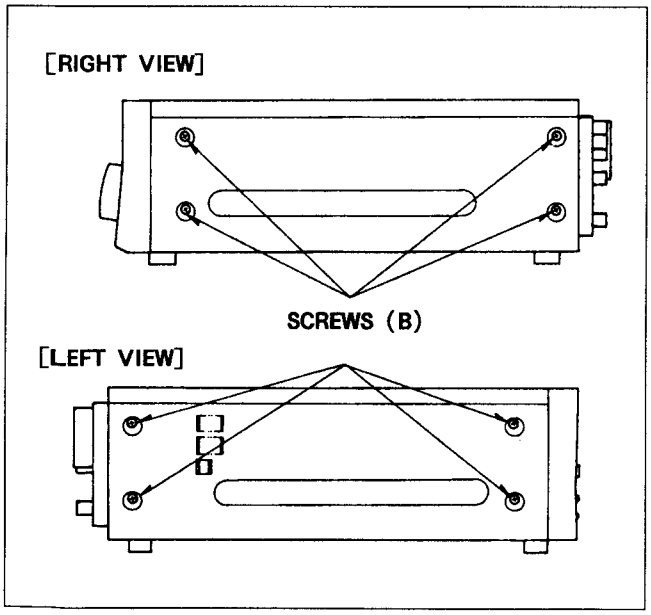


Figure D3

2-2-3. REMOVAL OF THE BOTTOM PLATE

1. Unscrew the 9 screws (C-1) and 3 screws (C-2)(Figure D4).
2. Lift the Bottom Plate.

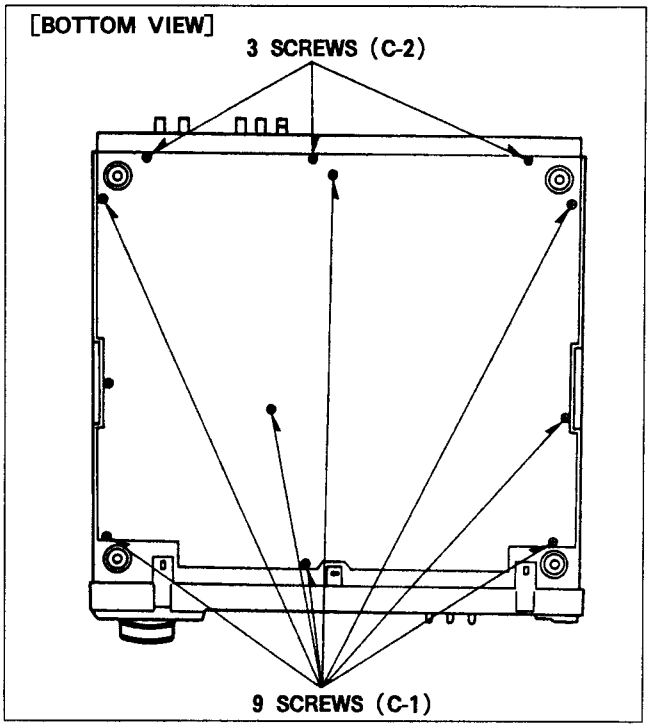


Figure D4

2-2-4. REMOVAL OF THE REAR PANEL

1. Unscrew the 5 screws (D-1) and screw (D-2) on the Rear Panel (Figure D5).
2. Lift the Rear Panel and carefully pull the panel off the Unit (with taking care for the connection to the Mother C.B.A.).

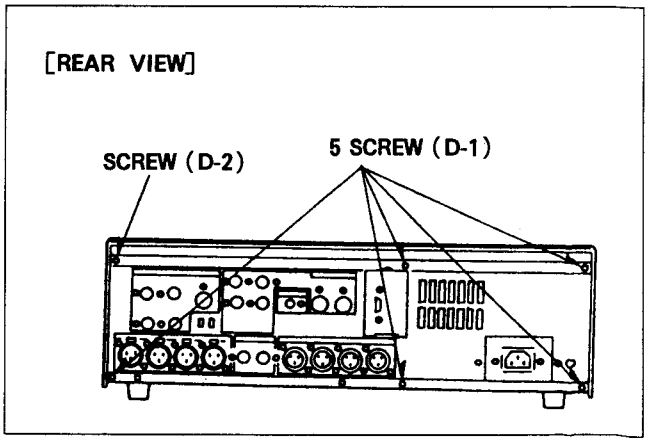


Figure D5

2-2-5. REMOVAL OF THE 9 PIN CONNECT C.B.A.

1. Unscrew a screw (E) on the 9 pin Connect C.B.A. (Figure D6).
2. Lift the 9 Pin Connect C.B.A. and pull out the connector (P69005)(Figure D7).

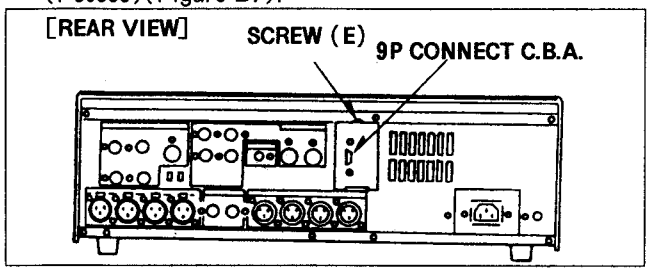


Figure D6

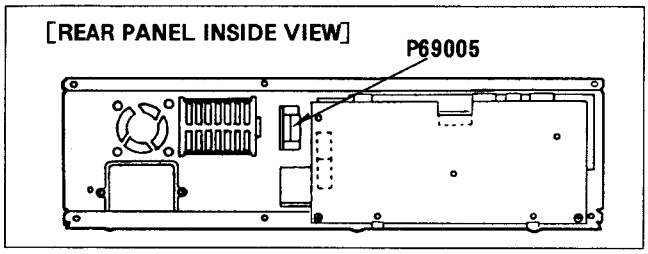


Figure D7

2-2-6. REMOVAL OF THE REAR AMP C.B.A.

1. Unscrew the 2 screws (F) and unlock the 3 locking tabs (a) on the Rear Amp C.B.A. (Figure D8).
2. Lift the Rear Amp C.B.A. and then disconnect the 4 flexible cables (P6601, P6604, P6605 and P6608) and the 3 connectors (P4007, P4008, and P6607)(Figure D9).

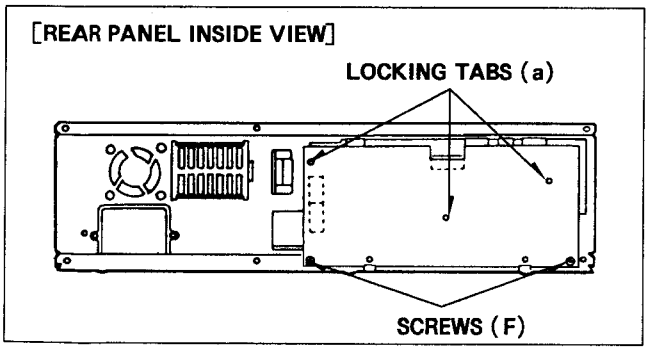


Figure D8

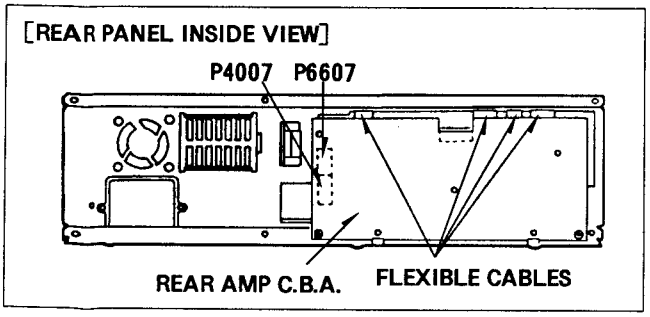


Figure D9

2-2-7. REMOVAL OF THE XLR F C.B.A. AND XLR M C.B.A.

1. Unscrew the 8 screws (G-1) and remove the XLR F C.B.A. (Figure D10 and D11).
2. Unscrew the 8 screws (G-2) and remove the XLR M C.B.A. (Figure D10 and D11).

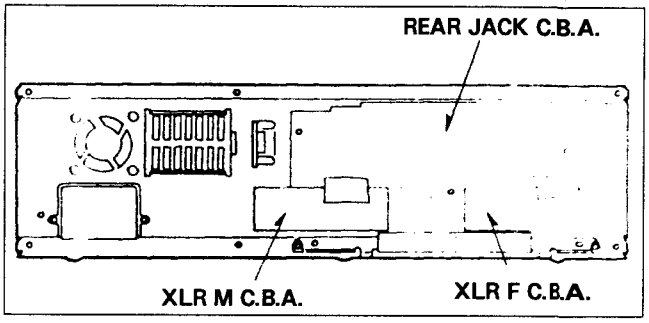


Figure D10

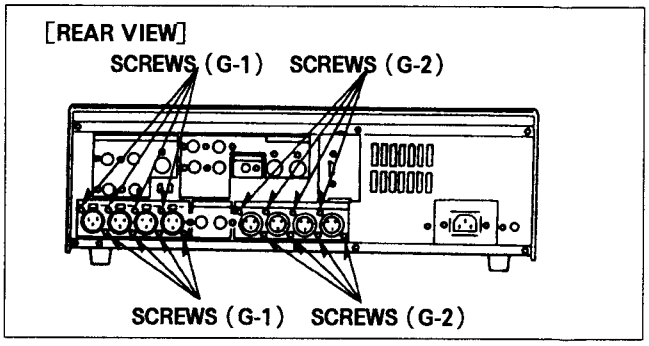


Figure D11

2-2-8. REMOVAL OF THE REAR JACK C.B.A.

1. Unscrew the 11 screws (H-1) and 4 screws (H-2)(Figure D10 And D12).
2. Lift the Rear Jack C.B.A.

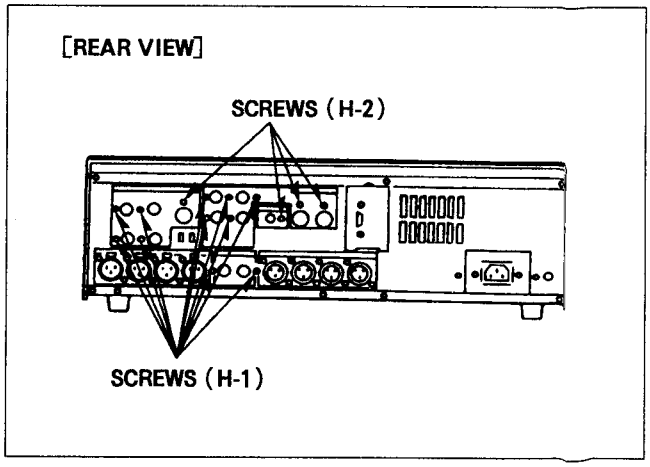


Figure D12

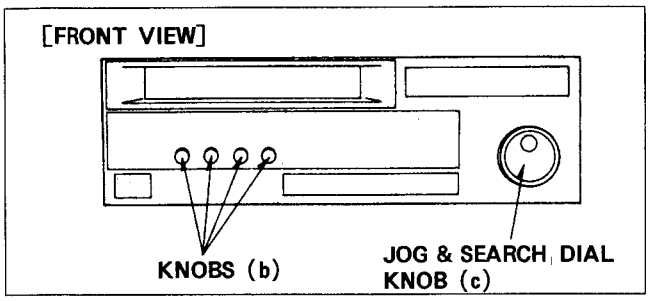


Figure D13

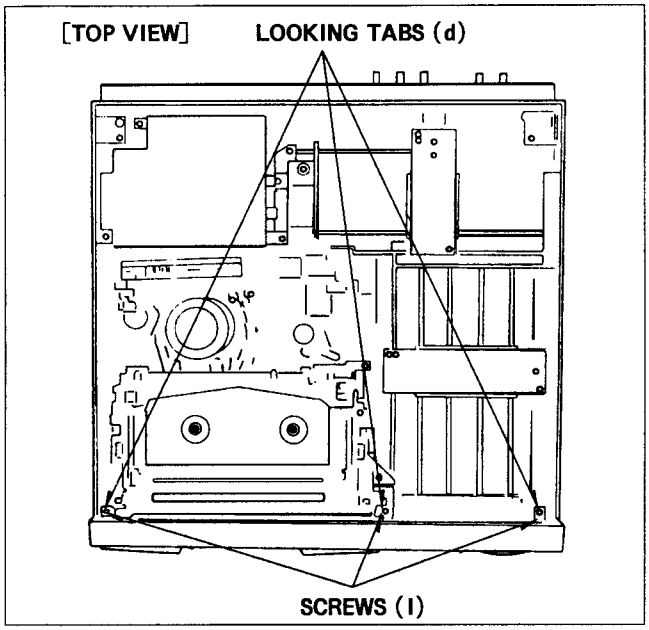


Figure D14

2-2-9. REMOVAL OF THE FRONT PANEL

1. Pull out the 4 Knobs (b) on the Front Panel (Figure D13).
2. Pull out the Jog & Search Dial Knob (c) on the Front Panel (Figure D13).
3. Unscrew the 3 screws (I) on the top of the Front Panel and a screw (J) on the bottom of the Front Panel. (Figure D14 and Figure D15).
4. Unlock the 3 locking tabs (d) on the top of the Froont Panel and the 2 locking tabs (e) on the bottom of the Front Panel and then remove it. (Figure D14 and D15).

2-2-10. REMOVAL OF THE FRONT, FRONT LED AND KEYBOARD C.B.A.

1. Unscrew the 4 screws (K) on the Jog & Search Dial Unit and pull out a connector (P62005)(Figure D16).
2. Lift the Jog & Search Dial Unit.
3. Unscrew the 2 screws (L-1) and pull out the flexible cable (P62501)(Figure D17).
4. Lift the Front LED C.B.A.
5. Unscrew the 4 screws (L-2) and pull out the flexible cable (P62701)(Figure D17).
6. Lift the Keyboard C.B.A.
7. Unscrew a screw (M) and unlock the 3 locking tabs (f) on the Front C.B.A. (Figure D18).
8. Carefully pull the Front C.B.A. off the unit (with taking care for the connection to the Mother C.B.A.) and then disconnect the 2 connectors (P62007 and P62008)(Figure D18).

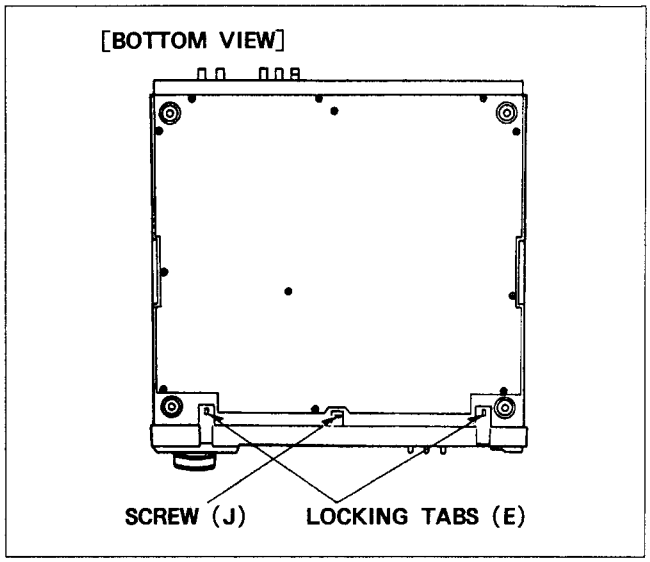


Figure D15

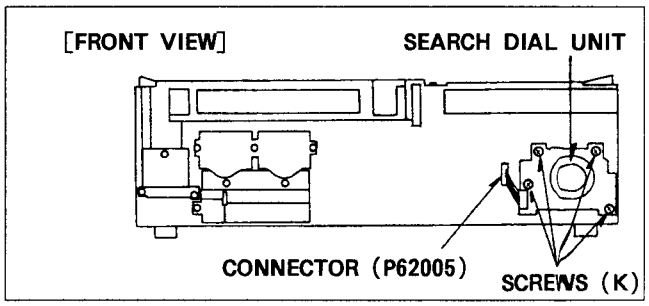


Figure D16

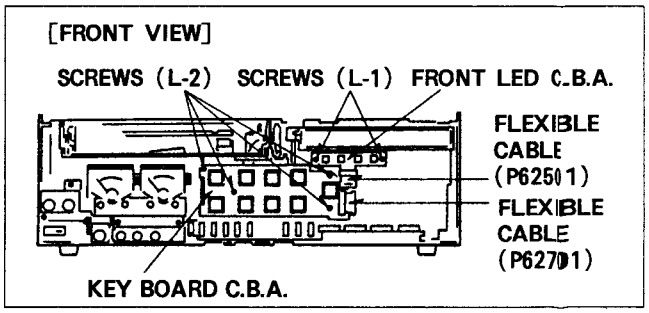


Figure D17

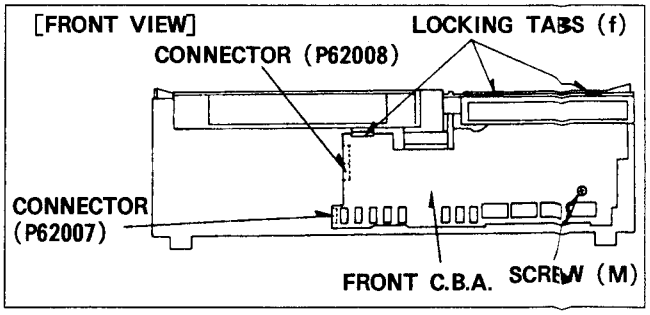


Figure D18

2-2-11. REMOVAL OF THE AUDIO METER UNIT

1. Unscrew the 6 screws (N) on the Audio Meter Unit (Figure D19).
2. Lift the Audio Meter Unit.

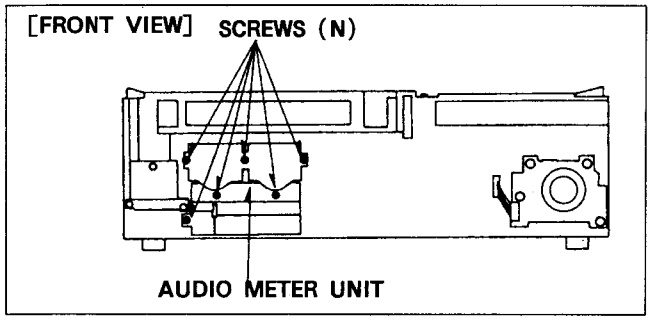


Figure D19

2-2-12. REMOVAL OF THE MIC JACK C.B.A.

1. Unscrew the 3 screws (O) on the MIC Jack C.B.A. (Figure D20).
2. Lift the MIC Jack C.B.A.

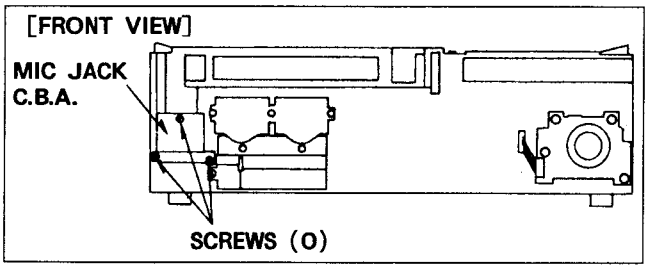


Figure D20

2-2-13. REMOVAL OF THE HEAD AMP C.B.A.

1. Unscrew the 2 screws (P) on the Head Amp C.B.A. (Figure D21).
2. Carefully Pull out the Head Amp C.B.A.

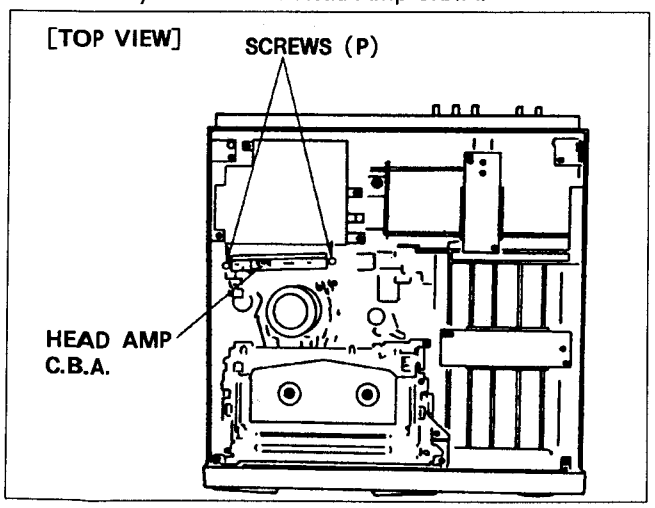


Figure D21

2-2-14. REMOVAL OF THE POWER UNIT

1. Unscrew the 2 screws (Q-1) on the Heat Sink Cover (Figure D22).

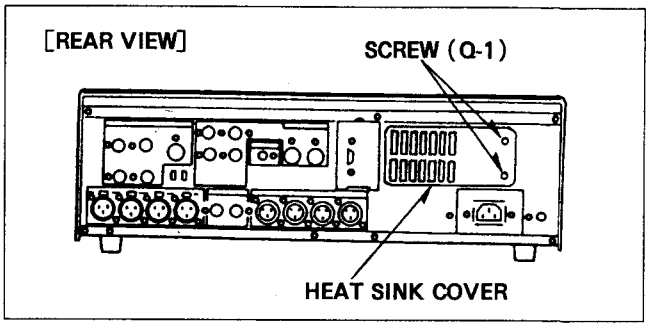


Figure D22

2. Unscrew the 2 screws (Q-2) on the Heat Sink (g)(Figure D23).
3. Unscrew the 4 screws(R-1) and screw (R-2) on the Power Unit (Figure D24).
4. Lift the Power Unit and then carefully pull out the 3 connectors (P1001, P1002 and P1003)(Figure D24).

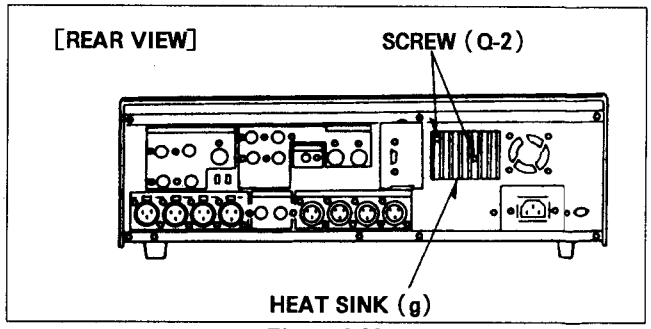


Figure D23

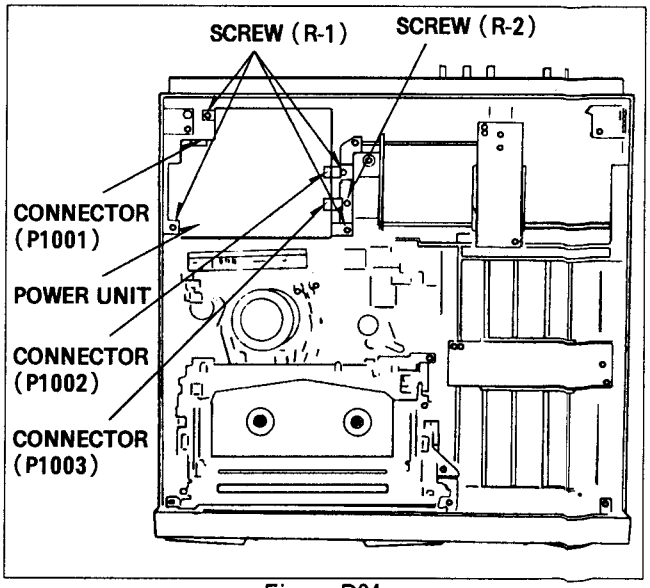


Figure D24

2-2-15. REMOVAL OF THE POWER CONNECTION C.B.A.

1. Unscrew the (S) on the Rear Panel (Figure D25).
2. Unscrew the 4 screws (T-1) on the Power Connection C.B.A. and a screw (T-2) on the cabinet (Figure D26).
3. Carefully lift the Power Connection C.B.A. and then disconnect a connector (P1101)(Figure D26).

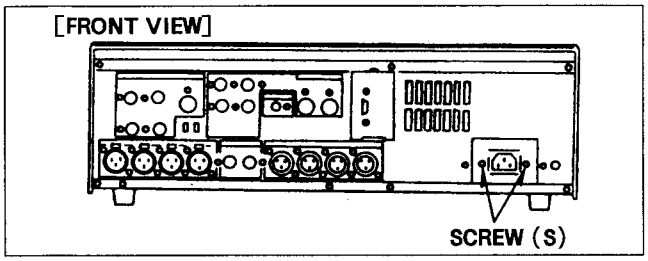


Figure D25

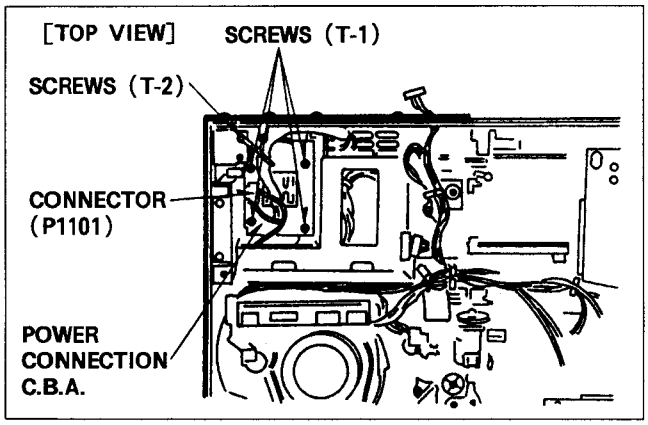


Figure D26

2-2-16. REMOVAL OF THE VIDEO YC, VIDEO I/O, AUDIO (1) AND AUDIO (2) C.B.A.

1. Unscrew the 2 screws (U) and remove the C.B. Hold Piece A (Figure D27).
2. Carefully pull out the Video YC , Video I/O, Audio (1) and Audio (2) C.B.A. from Mother C.B.A. (Figure D27).

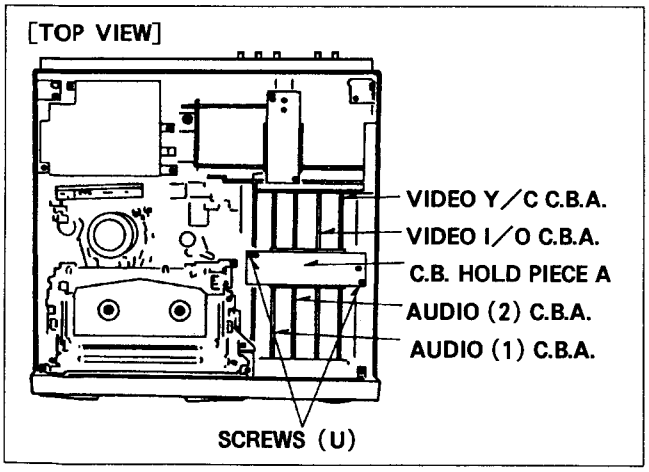


Figure D27

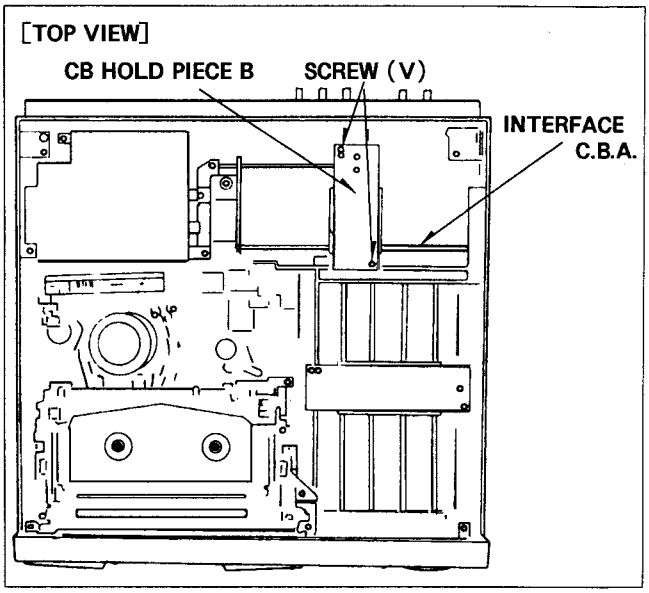


Figure D28

2-2-17. REMOVAL OF THE INTERFACE

1. Unscrew the 2 screws (V) and remove the C.B. Hold Piece B (Figure D28).
2. Carefully pull out the Interface C.B.A. from Mother C.B.A. (Figure D28).

2-2-18. REMOVAL OF THE SERVO & SYSTEM CONTROL C.B.A.

1. Unscrew the 5 screws (W) on the Servo & System Control C.B.A. (Figure D29).
2. Unlock a locking tab (h) on the Servo & System Control C.B.A. (Figure D29).
3. Open the Servo & System Control C.B.A.
4. Disconnect the 2 flexible cables, the 3 flat cables and the all connectors from the Servo & System control C.B.A.
5. Carefully lift the Servo & system Control C.B.A. off the unit in direction indicated by arrow (with taking care for the connection to the Mother C.B.A.)(Figure D30).

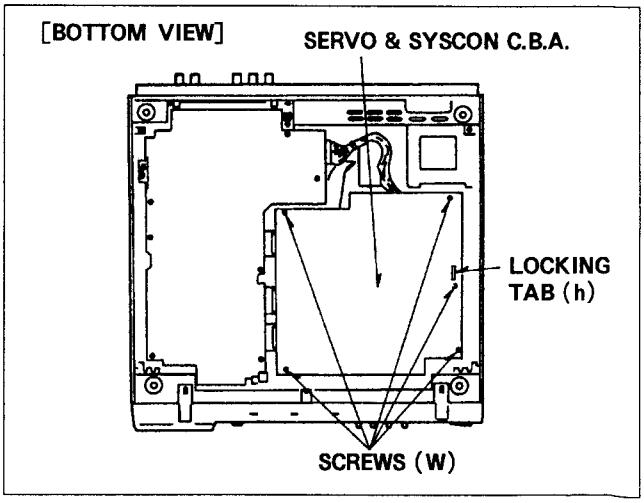


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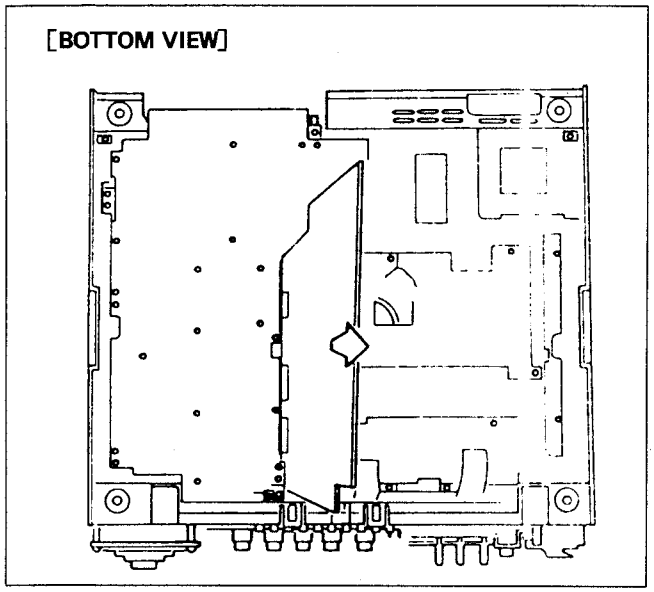


Figure D30

2-2-19. REMOVAL OF THE MOTHER C.B.A.

Note:
Before removing the Mother C.B.A., be sure to remove the Rear Panel, Front C.B.A., Video YC C.B.A., Video I/O C.B.A., Audio (1) C.B.A., Audio (2) C.B.A., Interface C.B.A. and Servo & System Control C.B.A.

1. Unscrew the 8 screws (X) on the Mother C.B.A. (Figure D31).
2. Lift the Mother C.B.A. and then disconnect the 2 connectors (P910 and P951)(Figure D31).

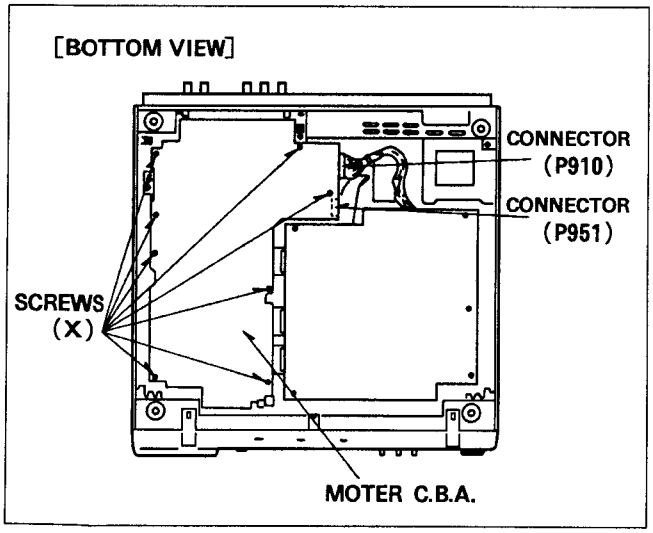


Figure D31

2-2-20. REMOVAL OF THE REEL DRIVE C.B.A.

1. Unlock the 2 locking tabs (i) on the Reel Drive C.B.A. (Figure D32).
2. Disconnect the 3 Flexible Cables (P2701, P2704 and P2705) and a connector (P2702)(Figure D32).
3. Carefully pull the Reel Drive C.B.A. in the direction indicated by arrow (Figure D32).

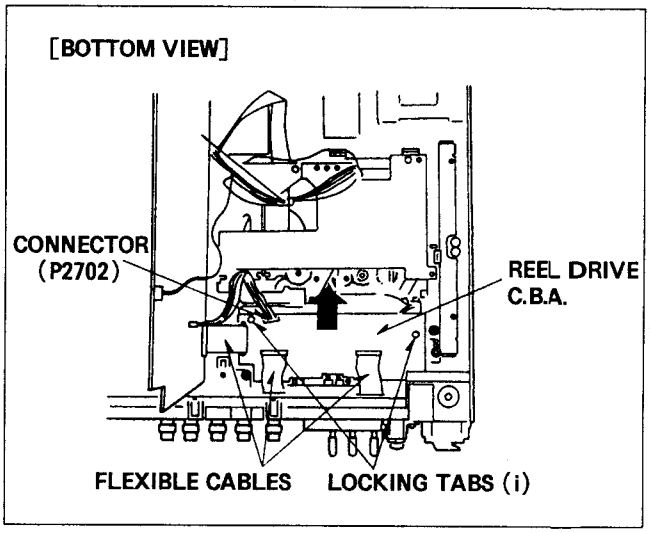


Figure D32

2-2-21. REMOVAL OF THE CASSETTE COMPARTMENT

1. Unscrew the 2 screws (Y-1) and a screw (Y-2)(Figure D33).
2. Disconnect 2 wires and 4 wiresfrom the connector (P1508) on the right side of the Cassette Compartment (Figure D33).
3. Remove the Top plate.
4. Remove a Cassette Holder Unit. (Figure D34).
5. Unscrew the 4 screws (Z) and remove the Cassette Compartment Unit (Figure D35).

Note:
When installing the Cassette Compartment Unit,refer to Mechanical Adjustment Procedures.

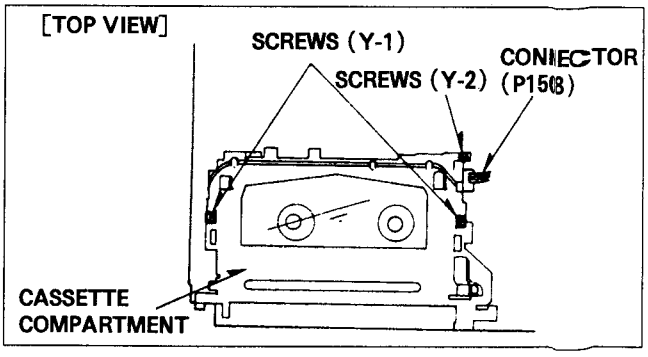


Figure D33

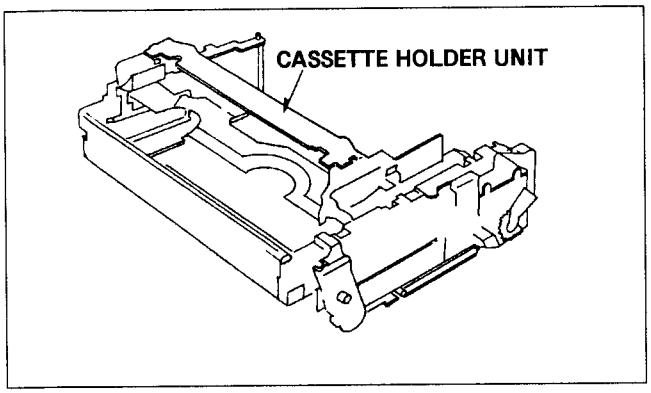


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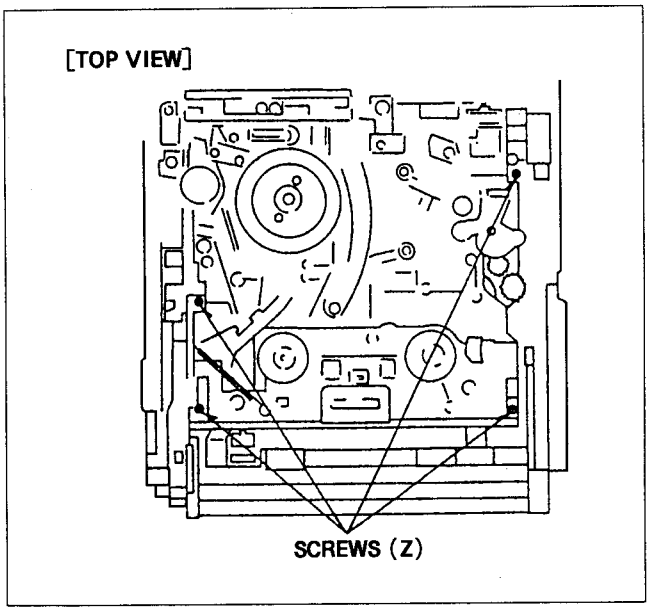
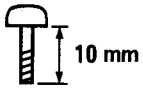
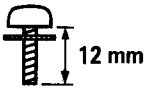
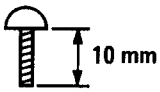
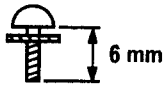
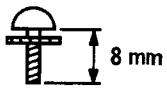
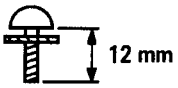
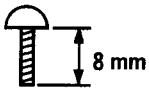
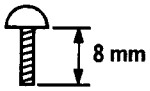
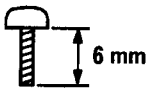
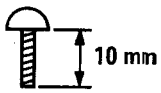
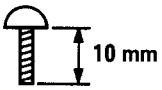
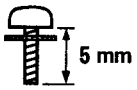
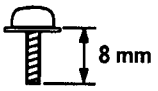
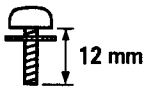
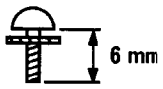
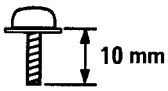
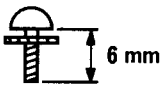
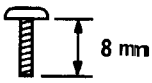
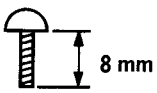


Figure D35

SCREWS

(A)  VHD0222 (SILVER)	(B)  VHD0426 (SILVER)	(C-1)  VHD0059 (GOLD)	(C-2)  XYE3+EF6 (GOLD)	(D-1)  XYE3+EF8FZ (RED)
(D-2)  XYE3+EF12FZ (RED)	(E), (H-1), (H-2) (Q-1)  XTV3+8FFZ (BLACK)	(F)  XTV3+8FFR (RED)	(G-1), (G-2)  XYN26+6FE (BLACK)	(I), (J), (N), (O), (R-1), (W), (X)  XTV4+10JR (RED)
(K), (M)  XTV4+10JFR (RED)	(L-1), (L-2)  XYN26+C5FR (RED)	(P)  XTW3+8TR (RED)	(Q-2)  XYN26+C12FZ (BLACK)	(R-2)  XYE3+EF8FR (RED)
(S)  XYN3+F12FZ (BLACK)	(T-1)  XTW3+10TFR (RED)	(T-2)  XYE4+EF6 (GOLD)	(U), (V)  XYN3+F8R (RED)	(Y-1)  XTB26+8G (GOLD)
(Y-2)  XTV3+8G (GOLD)	(Z)  XTV26+8FR (RED)			

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3-1. PARTS LOCATION

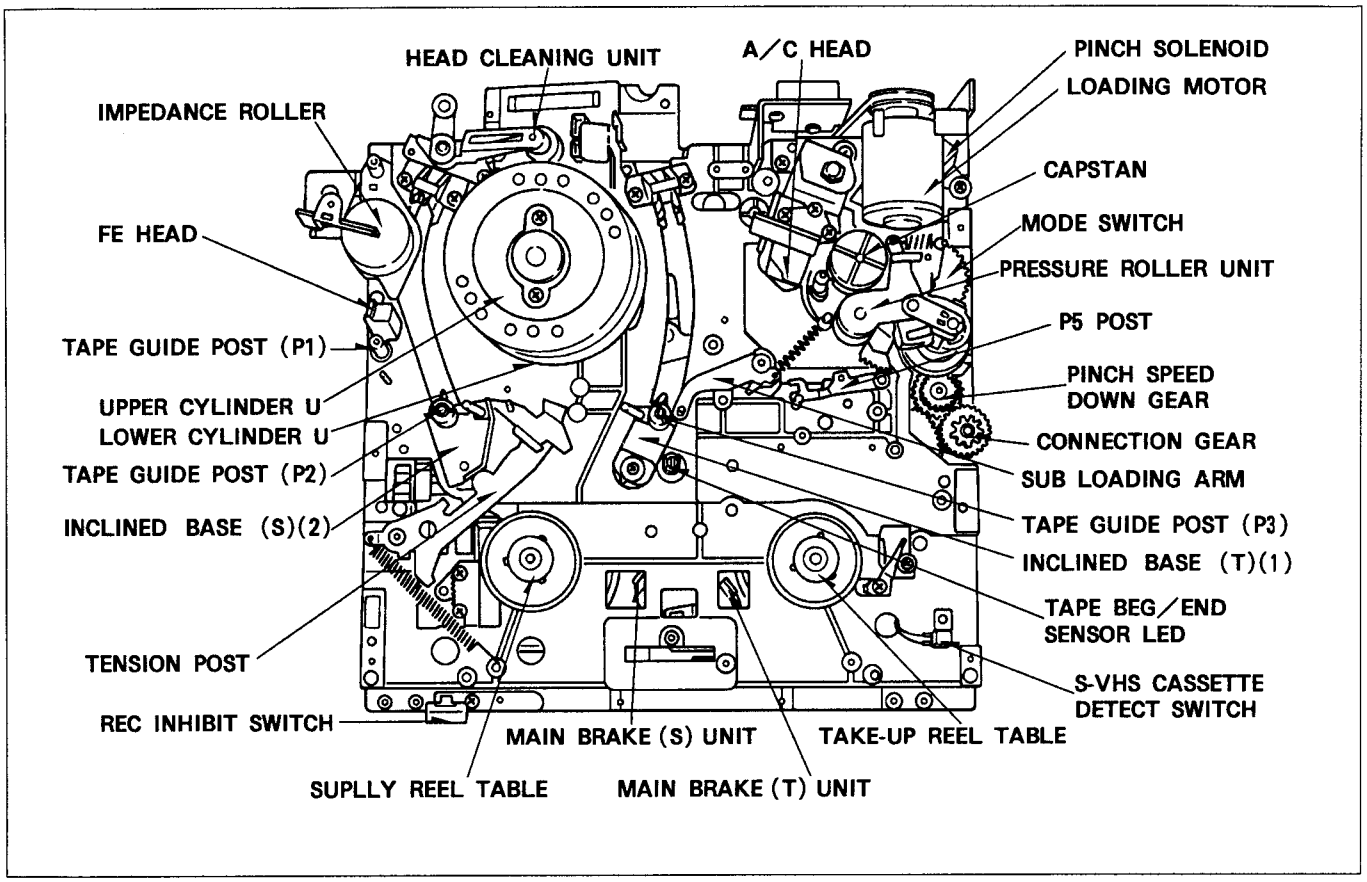


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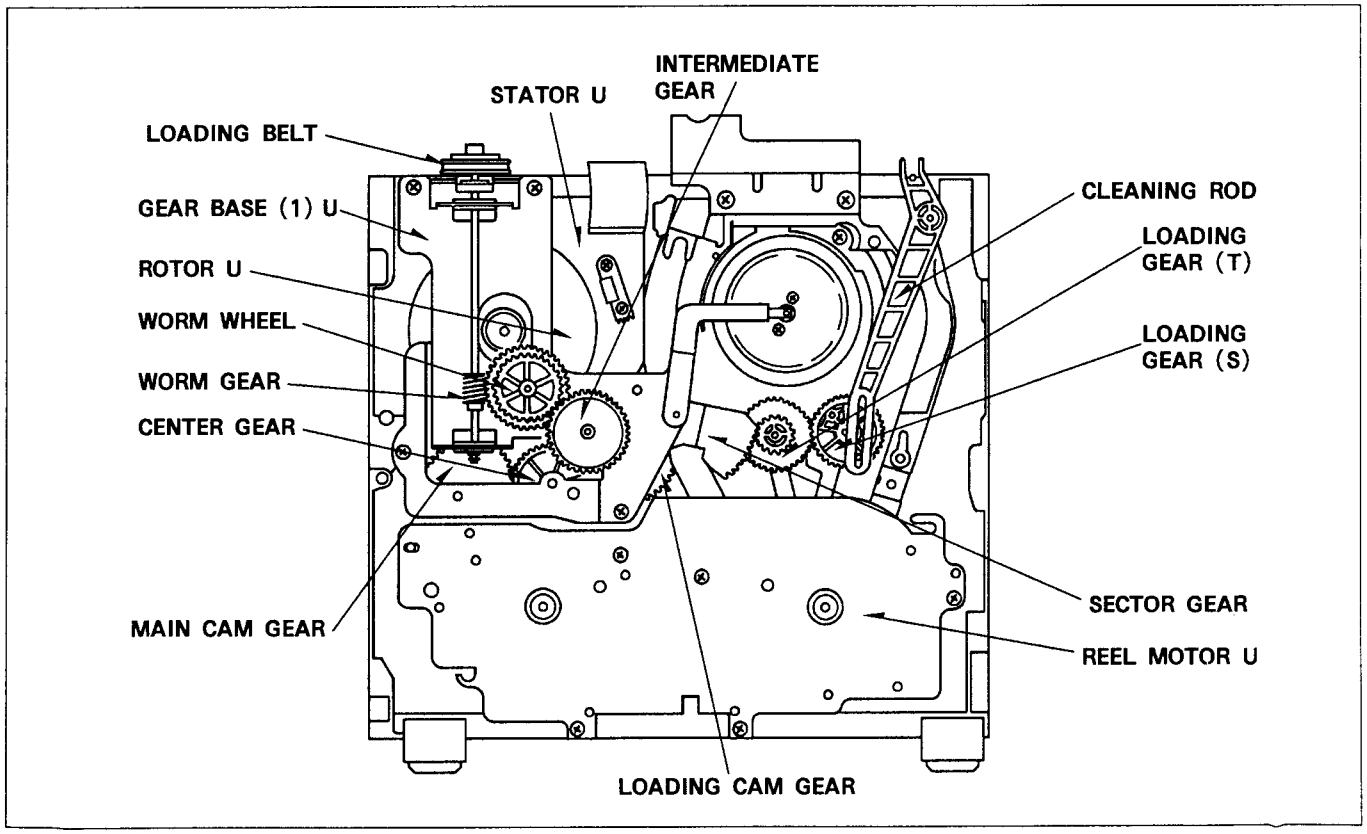
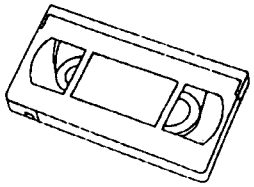
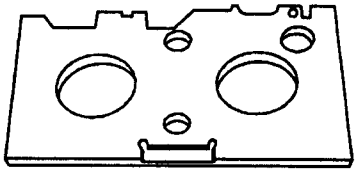
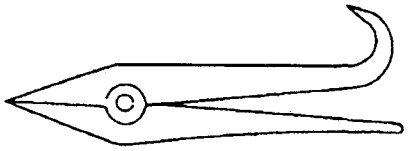
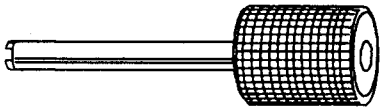
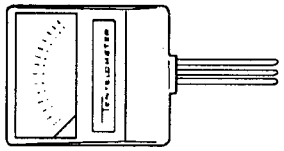
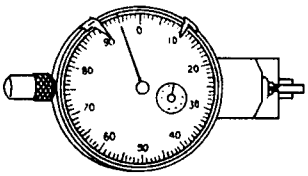
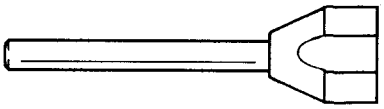
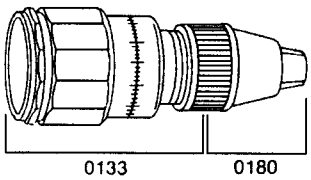
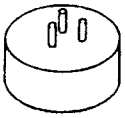
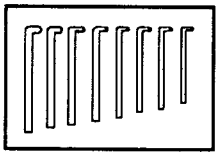
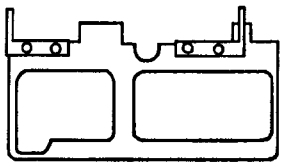
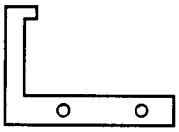
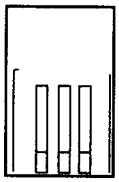
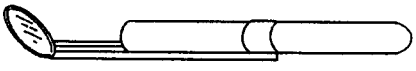
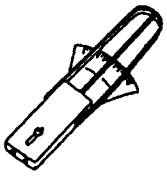
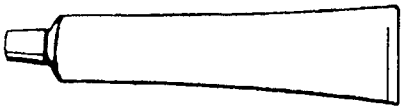
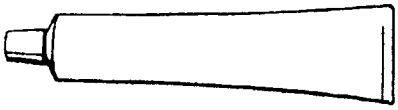


Figure M2

3-2. SERVICING FIXTURES AND TOOLS

The specified servicing fixture must be used to conduct adjustment.
The folloeing fixtures, tools and measuring equipments are required to conduct complete Mechanical Adjustments.

VFM8180HADH ; VHS Alignment Tape 	VFK1012 ; Post Adjustment Plate 	VFK0335 ; Retaining Ring Remover 
VFK0329 ; Post Adj. Screwdriver 	VFK0328 ; H-Position Adj. Screwdriver 	VFK0330 ; Fine Adj. Screwdriver (3mm) 
VFK0132 ; Back Tension Meter (Tentelometer, Made in U.S.A) 	VFK0190 ; Reel Table Height Fixture 	VFK0950 ; Centering Fixture 
VFK0133 ; Dial Torque Gauge VFK0180 ; Plastic Clamper Only 	VFK0134 ; Adaptor for VFK0133 	VFK0326 ; Hex. Wrench Set (0.7, 0.9, 1.2, 1.5, 1.6, 2, 2.4, 3mm) 
VFK0236 ; Tension Post Adj. Plate 	VFK0806 ; Tension Sensor Adj. Fixture 	VFK27 ; Head Cleaning Stick 
VFK0269 ; L Type Screwdriver 	VFK0948 ; Check Light 	VFK66 ; Fan Type Tension Gauge 
VFK0680 ; S.C.R. Grease (White) (for plastic part) 	MOR265 ; Morlytone Grease (Black) (for metal part) 	VFK0906 ; High Quality Oil (for Capstan shaft and P5 Post) Cleaning Liquid (Alchol) (Tape Tronsport Rubber Parts, etc.) << PURCHASE LOCALLY >>

3-3. HOW TO EJECT MANUALLY

If the electrical circuit is defective and the action of unloading and front unloading don't work properly, it is possible to eject manually as follows.

1. Take out the Main AC.
2. Release the direction as shown in Figure M3.
3. Release the Wormshaft to clockwise unit cassette is ejected.

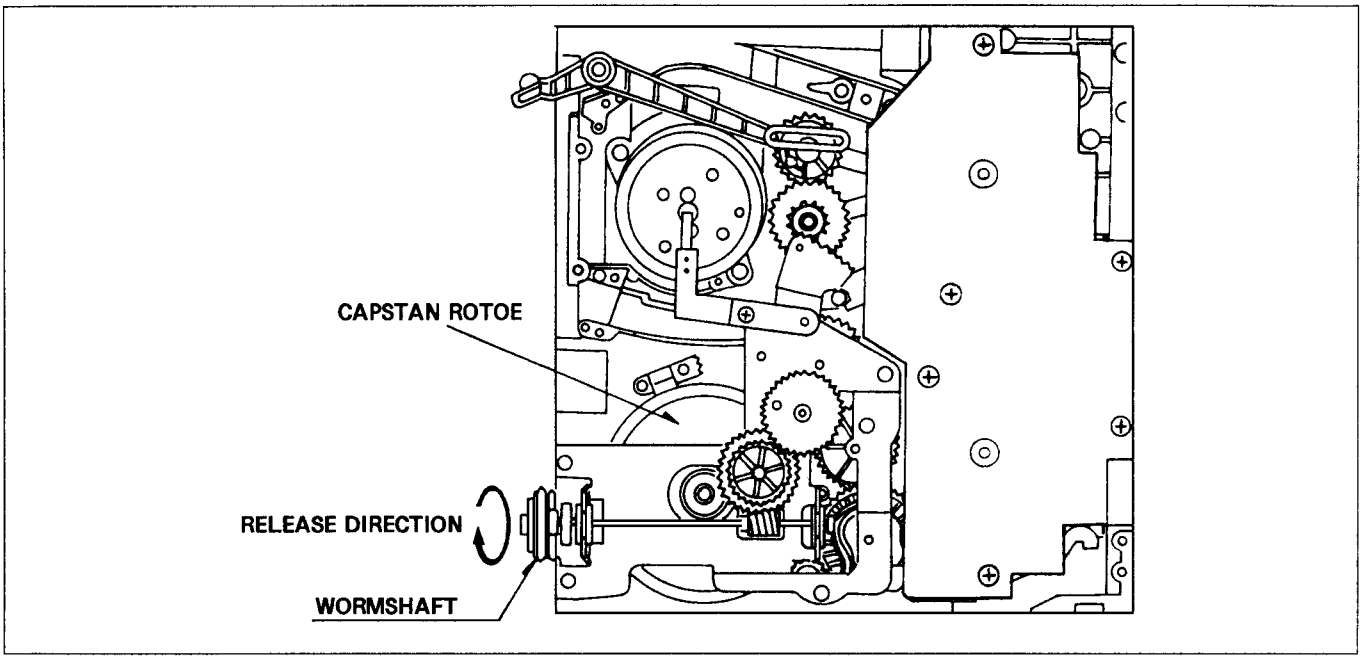


Figure M3 How to Eject Manually

3-4. MAINTENANCE PROCEDURES

3-4-1. REGULAR MAINTENANCE

The purpose of periodic maintenance is to preserve the functioning of this machine throughout its useful life. The user or service dealer should perform these maintenance regularly to ensure that maximum utility is obtained from the machine.

The VCR is a complicated place of equipment. It contains many belts, rollers, heads etc., which become worn, and deterlorate as time goes by, causing trouble. Dust and dirt will also impede the proper functioning of the machine. In light of this, it is very important that overall maintenance be done according to the maintenance chart to maintain the functions of the VCR, and to avoid accidental problems. This maintenance should also be performed after any repairs are done on the equipment.
The VCR used for business applications requires particular attention for several reasons. The installation conditions and applications are not always the best. Long use times, or poor environmental conditions may adversely affect the lifespan and performance of the machine. Regular maintenance assures that the purchaser obtains the maximum value for his expenditure. Accordingly, the necessity of regular maintenance should be fully explained at the time of sale, as well as during after-sale repairs.

3-4-2. MAINTENANCE CHART

The following periodic maintenance is required to prolong the life of the machine.

Ref. No. IN P/L	Parts Name	Hour										Ref. No. IN P/L	Parts Name	Hour									
		500	1000	1500	2000	2500	3000	3500	4000	4500	5000			500	1000	1500	2000	2500	3000	3500	4000	4500	5000
	Tape Transporter	●	●	●	●	●	●	●	●	●	●	2-1	Worm Shaft								▲		
1-7	Loading Motor U								◎			2-2	Loading Belt				◎				◎		
1-19	A/C Head U	●	●	●	●	●	●	●	◎	●	●	2-3	Worm Wheel								▲		
1-25	Pressure Roller U	●	●	●	◎	●	●	●	◎	●	●	2-8	Stator Base Unit								◎		
1-36	Mode Switch								◎			2-16	Main Brake (S)				◎				◎		
1-39	P5 Arm U								▲			2-18	Main Brake (T)				◎				◎		
1-41	Upper Cylinder	●	◎	●	◎	●	◎	●	◎	●	◎	2-23	Takeup Reel Tuble U								◎		
1-42	Lower Cylinder U	●	●	●	●	●	●	●	◎	●	●	2-24	Supply Reel Table U								◎		
1-45	Inclined (T) U								▲		◎	2-28	Capstan Roter U	●	●	●	△	●	●	●	△	●	●
1-48	Inclined (S) U								▲		◎	2-33	Main Cam Gear								▲		
1-56	FE Head	●	●	●	●	●	●	●	◎	●	●	2-39	Loading Cam Gear								▲		
1-66	Head Cleaning U		◎		◎		◎		◎		◎												

✳NOTE :

Symbol	Maintenance	Requirement	Remark
●	Cleaning	Ethyl-alcohol or Cleaning Liquid (Purchase locally)	Wipe dirt from the parts using soft cloth impregnated with Ethyl-Alcohol. Note: When cleaning rubber parts, avoid using excessive alcohol since it may accelerate deterioration of these parts. After cleaning with alcohol, wipe the alcohol quickly and thoroughly.
◎	Replacement		
△	Lubrication	High Quality Spindle Oil (Purchase locally)	Supply one or two drops of oil.
▲	Greasing	Molytone Grease (MOR265)	Wipe the old grease and apply new grease.
×	Greasing	S.C.R. Grease (VFK0680)	Wipe the old grease and apply new grease.

3-4-3. LUBRICATION PROCEDURES OF THE CAPSTAN SHAFT

1. Remove the Pressure rollerUnit.
2. Remove the Thrust Screw.
3. Apply two drops of the oil (VFK0906) on the top of Capsutan Shaft as shown in Fig M6-A.

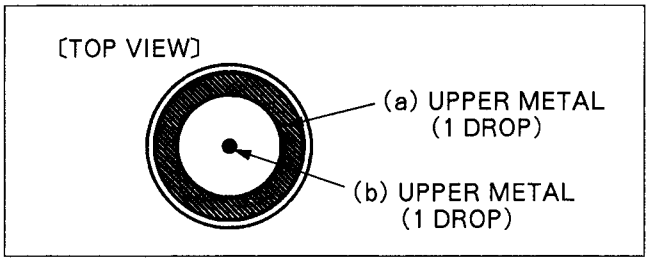
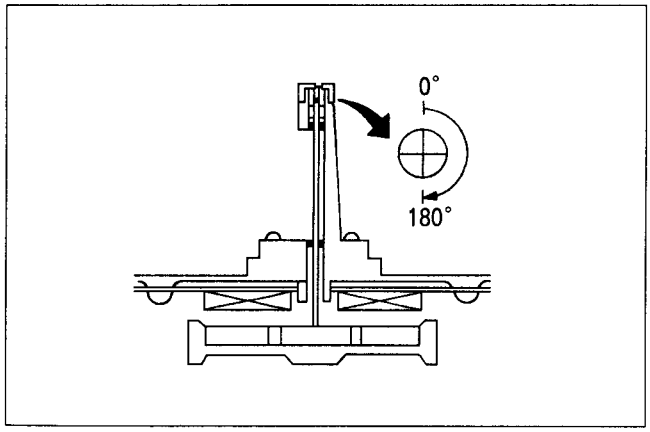


Figure M4

4. Turn the Thrust Adjustment Screw slowly to clockwise until the Capstan Rotor just starts turning (separate from the Capustan Stator).
5. Turn the Thrust Adjustment Sscrew another 180° clockwise as shown in Figure M6-B.
6. Install the Pressure Roller Unit.
7. Wipe the extra oil.



Figuer M5

3-4-4. LUBRICATION PROCEDURES OF THE P5 POST

1. Remove the Nut (A) as shown in Figure M6.
2. Apply two drops of the oil (VFK0906) on the shaft.
3. Push down the P5 post several times so that the oil spreads around the shaft.
4. Install the Nut (A) Refer to 3-5-8 Replacement of the P5 Post.

Note: After-reinsalling the P5 Post Comfirmation of tape waving and P5 Post height adjustment are required.

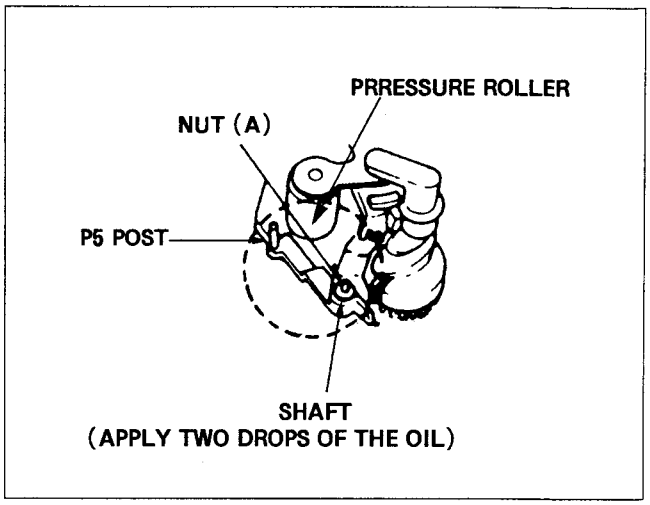


Figure M6

3-4-5. PROCEDURES FOR CLEANING OF THE CYLINDER UNIT

1. Position the Video Head to permit access for cleaning and hold the upper cylinder to keep it from turning while cleaning.
2. Gently rub the Video Head in direction of tape travel with Head Cleaning Stick moistened with Cleaning.
3. Repeat for the other video heads (FigureM7).

Note: 1. Do not rub vertically.
2. Do not apply any pressure to heads.

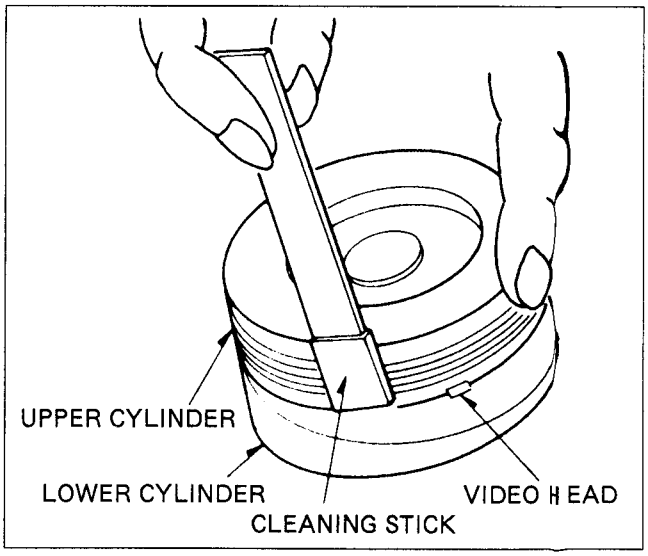


Figure M7

3-4-6. ADJUSTMENTS AFTER RE-INSTALLING THE UPPER, LOWER CYLINDER

AFTER RE-INSTALLING THE UPPER CYLINDER OR LOWER CYLINDER

- 3-6-3. FINE ADJUSTMENT OF THE TAPE GUIDE POST HEIGHT (P2 AND P3) LINEARITY
- 4-3-2. TRACKING FIX ADJUSTMENT
- 3-6-6. COARSE ADJUSTMENT OF THE A/C HEAD HORIZONTAL POSITION (X-VALUE)
- 3-6-7. FINE ADJUSTMENT OF THE A/C HEAD HORIZONTAL POSITION (X-VALUE)
- 4-3-1. PG SHIFTER ADJUSTMENT
- 4-4-13. CHROMA REC CORRENT ADJ.(AG-7700 ONLY)
- 4-4-14. S-VHS Y REC CURRENT ADJ.(AG - 7700 ONLY)
- 4-4-15. VHS Y REC CURRENT ADJ.(AG - 7700 ONLY)
- 4-5-2. S-VHS PB Y LEVEL ADJUSTMENT
- 4-5-3. VHS PB Y LEVEL ADJUSTMENT
- 4-5-4. NORMAL Y LEVEL ADJUSTMENT
- 4-5-6. VIDEO TRACKING METER ADJUSTMENT
- 4-5-8. S-VHS PB FREQ RESPONCE ADJUSTMENT
- 4-5-9. S-VHS FREQ RESPONCE ADJUSTMENT
- 4-5-10. VHS PB FREQ RESPONCE ADJUSTMENT
- 4-6-11. Hi-Fi AUDIO HEAD SWITCHING SHIFTER ADJUSTMENT
- 4-6-14. Hi-Fi AUDIO REC CURRENT ADJ.(AG - 7700 ONLY)
- 4-7-3. FLYING ERASE CORRENT ADJUSTMENT

Figure M8

3-4-7. ADJUSTMENTS AFTER RE-INSTALLING THE A/C HEAD UNIT

AFTER RE-INSTALLING THE A/C HEAD UNIT

MECHANICAL ADJUSTMENT

- 3-6-5. ADJUSTMENT OF A/C HEAD
  - A. COARSE ADJUSTMENT OF THE A/C HEAD HEIGHT
  - B. COARSE ADJUSTMENT OF THE A/C HEAD TILT
  - C. ADJUSTMENT OF THE A/C HEAD AZIMUTH
  - D. ADJUSTMENT OF THE A/C HEAD TILT & AZIMUTH
  - E. ADJUSTMENT OF LOOK SCREW
  - F. FINE ADJUSTMENT OF THE A/C HEAD HEIGHT
- 3-6-3. FINE ADJUSTMENT OF THE TAPE GUIDE POST HEIGHT (P2 AND P3) LINEARITY
- 3-6-6. COARSE ADJUSTMENT OF THE A/C HEAD HORIZONTAL POSITION (X-VALUE)
- 3-6-7. FINE ADJUSTMENT OF THE A/C HEAD HORIZONTAL POSITION (X-VALUE)
- 4-6-5. NORMAL AUDIO PLAYBACK FREQUENCY RESPONSE ADJUSTMENT
- 4-6-6. NORM AUDIO PB GAIN ADJ.(AG - 7700 ONLY)
- 4-6-7. NORMAL AUDIO ERASE CURRENT ADJ.(AG - 7700 ONLY)
- 4-6-8. NORMAL AUDIO BIAS CURRENT ADJ.(AG - 7700 ONLY)
- 4-6-9. NORMAL AUDIO REC CURRENT ADJ.(AG - 7700 ONLY)

Figure M9

3-5. MECHANICAL PARTS REPLACEMENT PROCEDURES

3-5-1. REPLACEMENT OF THE UPPER CYLINDER UNIT

1. First remove two screws as shown in Figure M10-A. Then unsolder of the soldered portions indicatedby arrows on the Upper Cylinder, and finally remove the Upper Cylinder.

Note: Soldered portion can be easily removed by using solder sucking wire, etc.

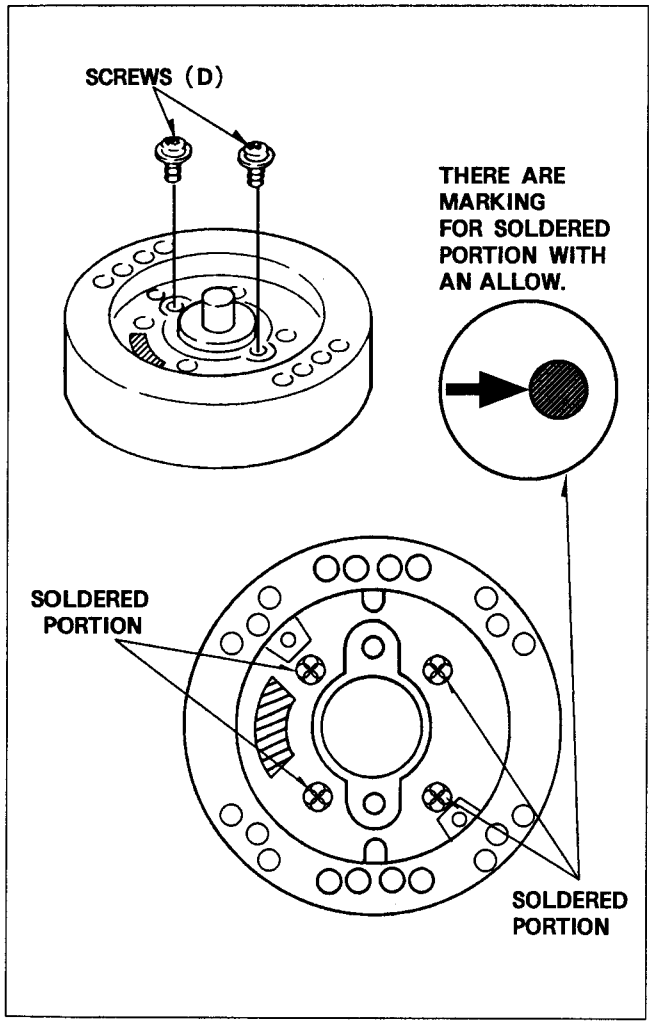


Figure M10-A

2. The Upper Cylinder unit can be reinstalled by reversing the removal procedure.
   However, when Upper Cylinder is installed, be extremely carefully so that white portion of P.C.Board of Upper Cylinder correctly matches the white portion of bottom cylinder as shown in Figure M10-A.

Note: If the Upper Cylinder Unit is reversal installed, no color will appear when playing back pre-recorded tapes.

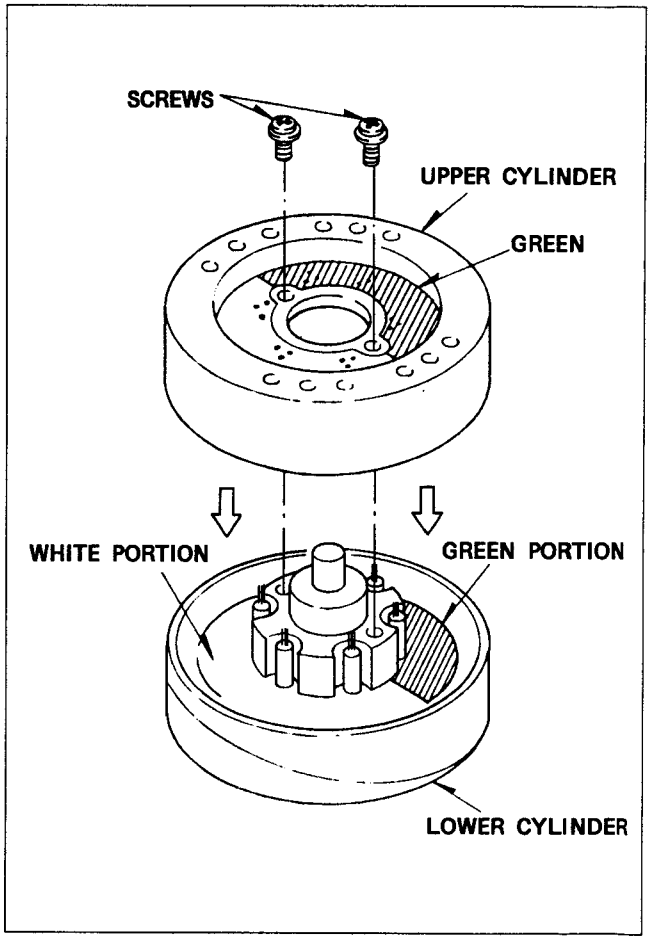


Figure M10-B

3-5-2. REPLACEMENT OF THE LOWER CYLINDER UNIT

1. Unscrew the 2 screws and remove the Head Amp.
2. Remove the Cleaning rod from bottom side.
3. Unscrew 3 screws (A). Since there is very little clearance between DD Cylinder (Lower Cylinder) Unit and Chassis, remove the Cylinder gently and carefully (Figure M11).

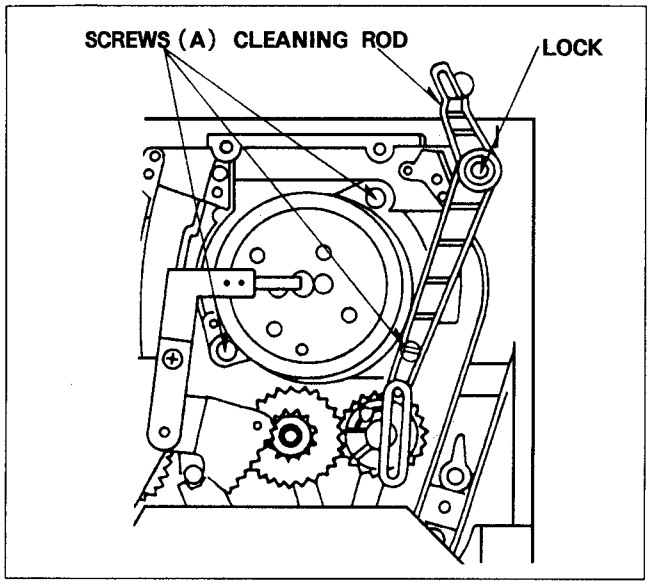


Figure M11

4. Reinstall the new DD Cylinder (Lower Cylinder) Unit in the chassis, tighten the 3 screws (A). Then connect a connectors and reinstall the Cleaning Rod.
5. Re-install the Head Amp C.B.A.

Note: After reinstall the Upper Cylinder Unit should be perform Mechanical and Electrical adjustment (Refer to 3-4-5. Maintenance Procedures).

3-5-3. REPLACEMENT OF THE A/C HEAD (1) UNIT

1. Disconnect a connector (H)(Figure M12).

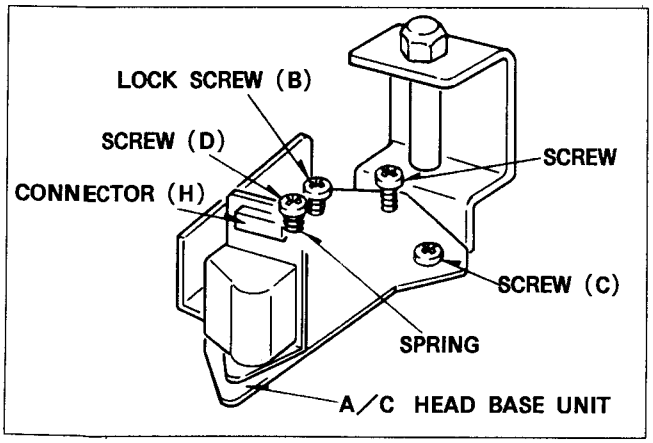


Figure M12

2. Unscrew 3 (B)(C)(D) screws with spring and then remove the A/C Head Unit (Figure M12).
3. The A/C Head (1) Unit can be reinstalled by reversing the removal procedure.

Note: After reinstall the Upper Cylinder Unit should be perform Mechanical and Electrical adjustment (Refer to 3-4-6. Maintenance Procedures).

3-5-4. REPLACEMENT OF THE FULL ERASE HEAD

1. Disconnect a connector (J) and unscrew a screw (E) and remove the Full Erase Head (Figure M13).

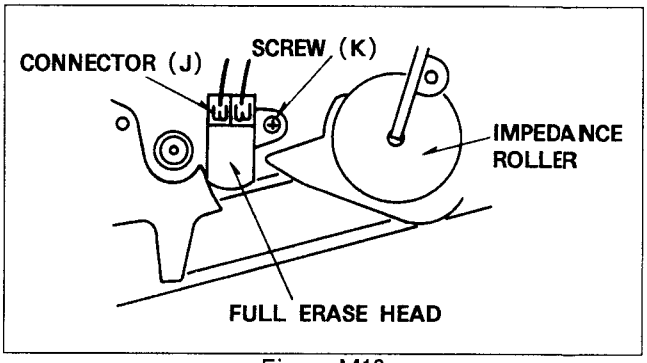


Figure M13

3. The new Full Erase Head can be reinstalled by reversing the removal procedure.

3-5-5. REPLACEMENT OF THE CAPSTAN ROTOR & STATOR

When replacing the Capstan stator unit the Center Fixing Tool must be used to fix the center of Capstan Stator Unit.

1. Remove the loading belt.
2. Unscrew the 4 (F) screws and remove Gear base Unit.
3. Carefully lift up the capstan rotor from the capstan housing, taking care so as not loose the 2 oil seals as shown in Figure M14-A.

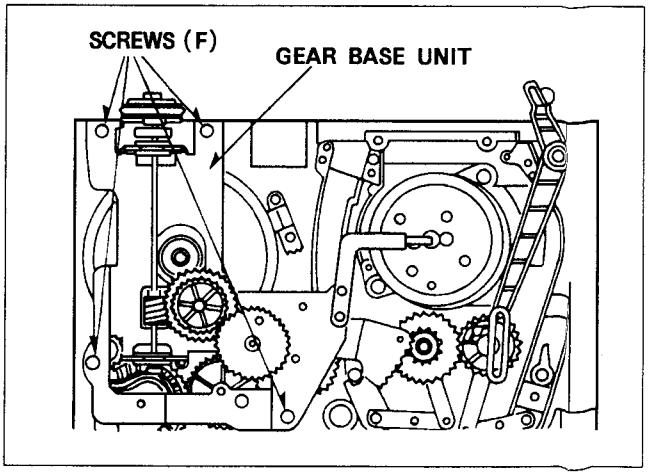


Figure M14-A

4. Remove the 2 oil seals.
5. Unscrew the 3 (G) screws and remove Capstan Stator.
6. Place the capstan stator unit into position.
7. Loosely tighten the 3 (G) screws.
8. Insert the Center Fixing Tool as shown in Figure M14-B.

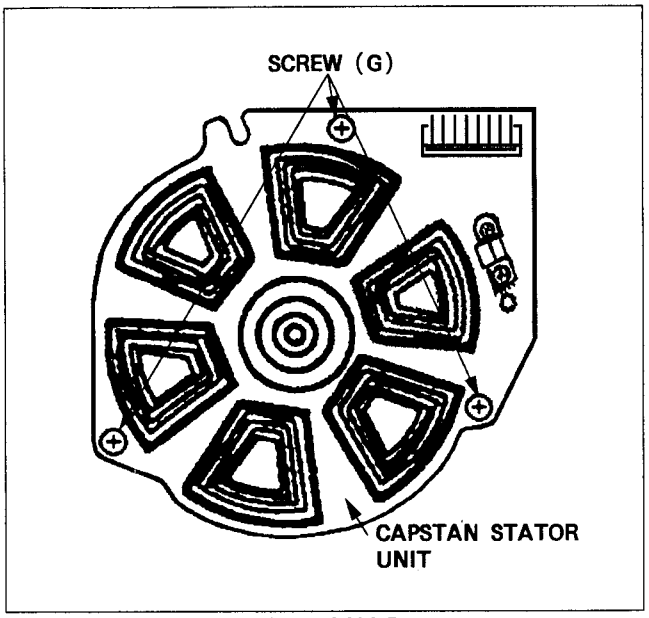


Figure M14-B

9. Tighten the 3 screws (G).
10. Remove the center fixing tool.
11. The new capstan rotor unit can be reinstalled by reversing the removal procedure.

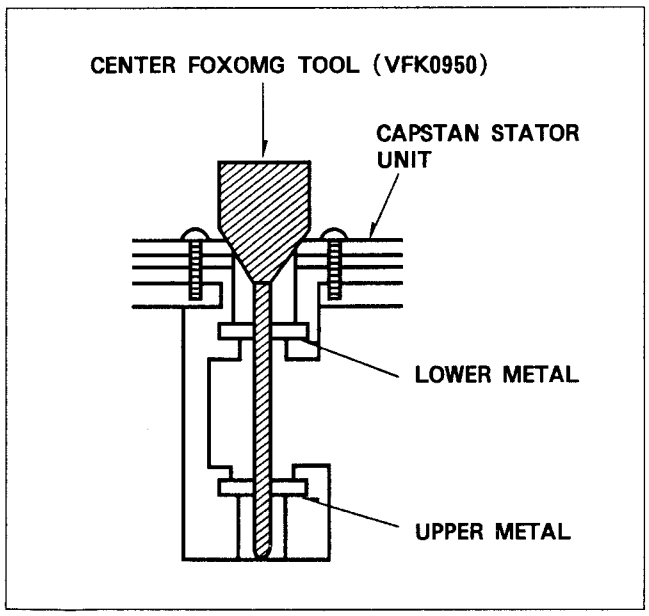


Figure M14-C

3-5-6. REPLACEMENT OF THE CAPSTAN HOUSING UNIT

1. Remove the pressure Roller Unit.
2. Remove the Sub post spring from the hook of Capstan Housing.
3. Unscrew the 3 screws (H) and remove Capstan Housing.
4. Remove the 2 oil seals and thrust screw.
5. Replace the new Capstan Housing, 2 oil seals and thrust screw at same time.
6. Re-install the Capstan Housing Unit by reversing the remove procedure.

Note: After re-installing the thrust screw adjustment of the thrust screw are required. Replace the new Capstan Rotor, 2 oil seals and thrust screw at same time. After re-installing the capstan rotor or capstan stator confirmation of FG out put level and adjustment of FG head gap are required.

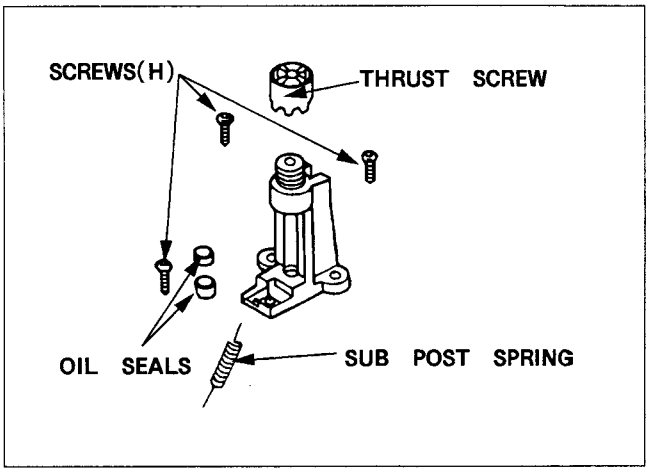


Figure M15

3-5-7. REPLACEMENT OF THE INCLINED BASE (S),(T)

《SUPPLY SIDE》

1. Unscrew a screw (I) and remove the head cleaning plate unit as shown in Figure M13-A.
2. Unscrew the 2 screws (J) and remove the post stopper.

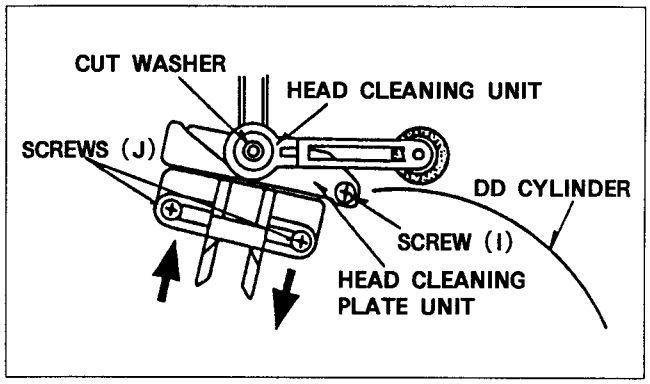


Figure M13-A

3. Remove the P2 post unit from loading arm (S) as shown in Figure M13-B.

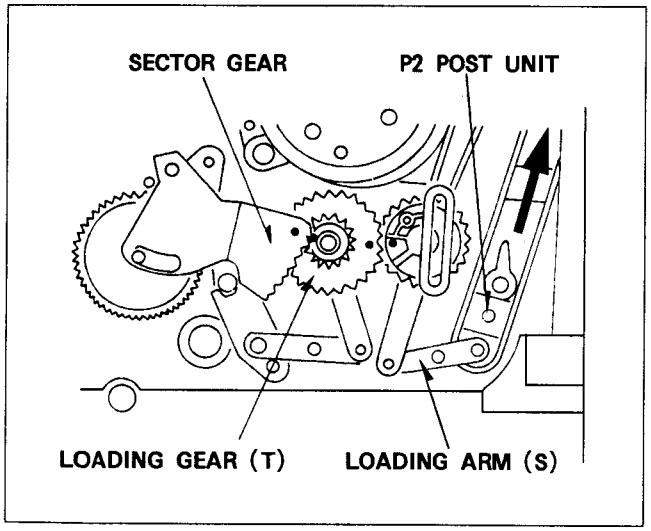


Figure M13-B

4. Slide the Inclined base (S) and remove it from the chassis as shown in Figure M13-B.
5. Unscrew a screw (L) and remove the P2 Post from the Inclined base(S) as shown in Figure M13-C.
6. The new inclined base unit can be reinstalled by reversing the removal procedure.

Note: Install post stopper pushing the arrow direction (A), (B) as shown in Figure M13-A. After re-installing the inclined base (S) confirmation of tape interchangeability and P2, P3 posts adjustments are required.

《TAKE-UP SIDE》

1. Unscrew a screw (K) and remove the inclined base (T) as show in Figure M13-C.
2. Unscrew a screw (L) and remove the P3 Post.
3. Install the inclined base (T) so that the tip of inclined base is center on the Plate Hole and then tighten screw (K).

Note: After re-installing the inclined base (T) confirmation of tape interchangeability and inclined base adjustment are required.

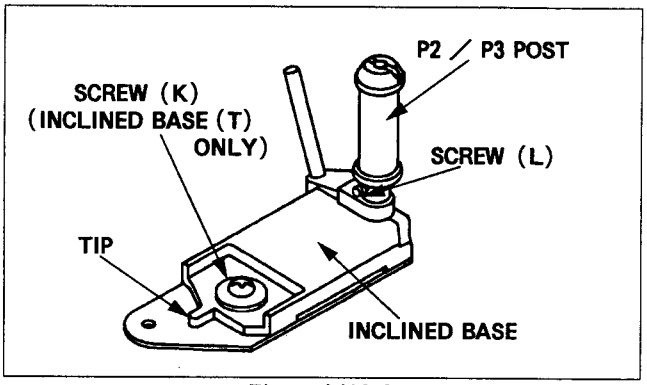


Figure M13-C

3-5-8. REPLACEMENT OF THE P5 POST

1. Remove the top cover and cassette holder.
2. Rotate the loading motor to clockwise, until the Unloading mode.
3. Remove the pressure roller unit.
4. Remove the pinch cam (Ref. to Replacement of the mode switch) and P5 pull out sector gear as shown in Figure M17.

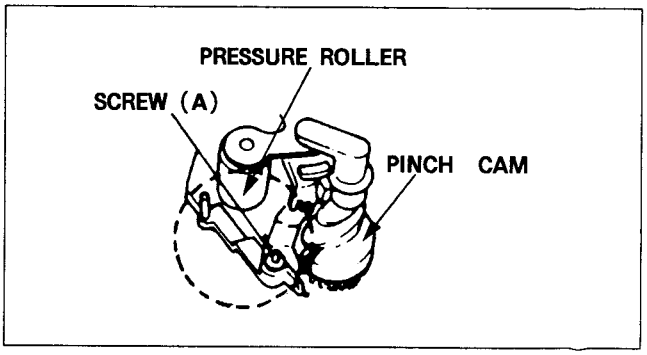


Figure M17

5. Unscrew a Nut (A) and Remove the P5 Post.
6. The new P5 post can be reinstalled by reversing the removal procedure.

Note: After-reinstalling the P5 post confirmation of tape waving and P5 post height adjustment are required.

3-5-9. REPLACEMENT OF THE REELUNIT

1. Disconnect a connector.
2. Remove 6 screws (L) and carefully lift the DD Reel Unit.

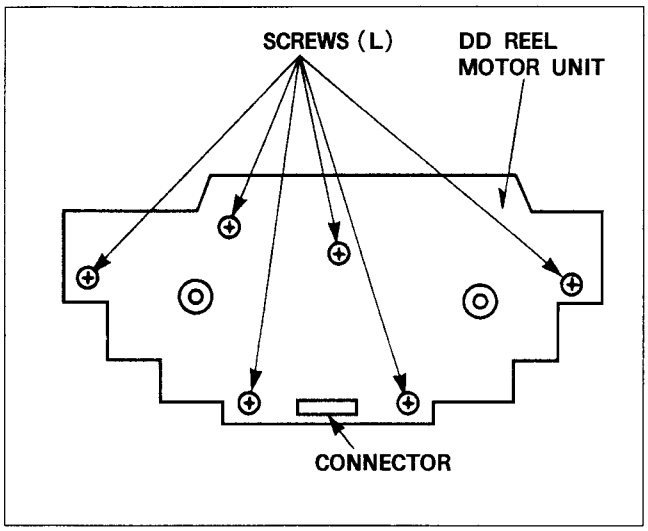


Figure M18-A

3. The Reel Motor Unit can be re-installed by reversing the removal procedure.

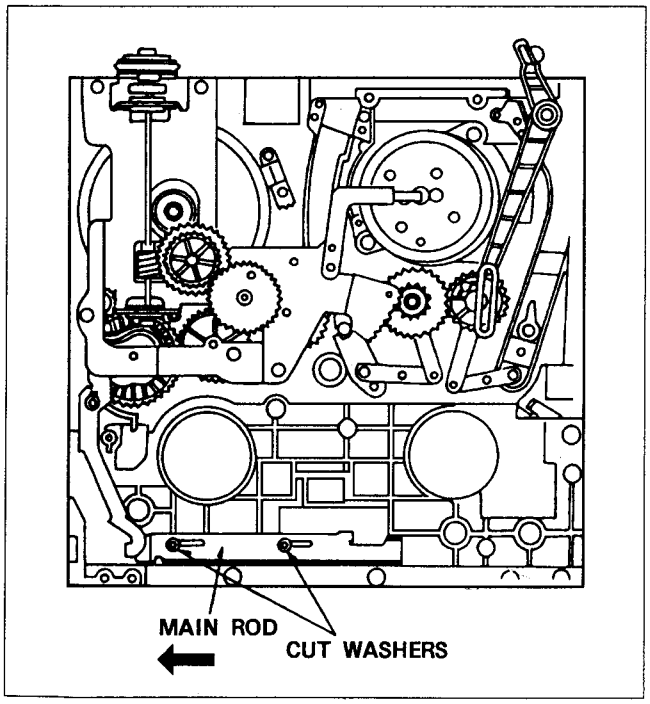


Figure M18-B

Note: When assembling the DD Reel Motor Unit, side the Main Rod to far left side by rotating a center Gear.

3-5-10. REPLACEMENT OF THE MAIN BRAKE (S),(T) UNIT

1. Remove the Reel Unit (Refer to Replacement of the Reel Unit).
2. Remove a Retaining Ring (A).
3. Remove the Main Brake (S),(T) with a spring.

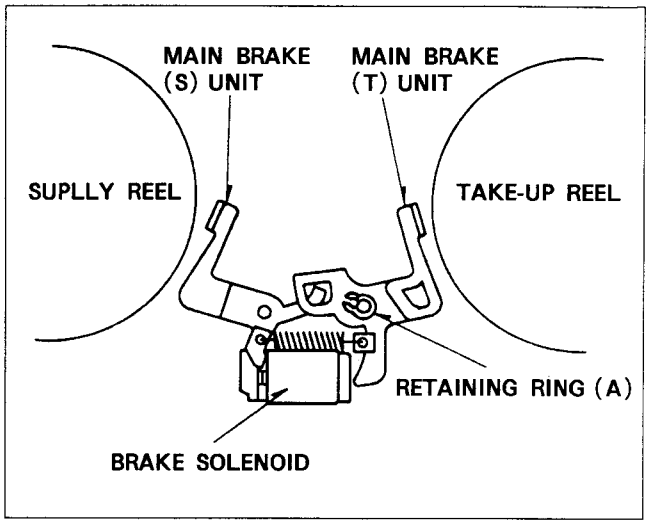


Figure M19

4. The new Main Brake (S),(T) Unit can be reinstalled by reversing the removal procedure.

Note: When assembling the DD Reel Motor Unit, slide the Main Rod to far left side by rotating a Center Gear (Figure M19).

3-5-11. REPLACEMENT OF THE PRESSURE ROLLER UNIT

1. Place the deck in EJECT mode.
2. Remove the Pinch Can Cap.
3. Remove the Pressure Roller Unit.

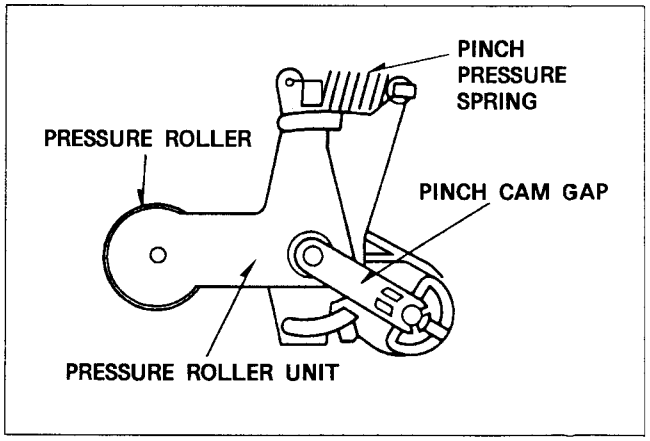


Figure M20

4. The new Pressure Roller Unit can be re-installed by reversing the removal procedure.

3-5-12. REPLACEMENT OF THE MODE SWITCH

1. Place the deck in the STOP mode.
2. Remove the Cassette Compartment Unit. (Refer to Disassembly Procedures).
3. Remove the Pinch Cam Cap and Pressure Roller Unit.
4. Unscrew the 2 screws and remove the Head Amp.
5. Remove the Pinch Cam.
6. Unscrew 2 screws (M) and remove the Loading Motor Base.
7. Unscrew a screw (N) and unsolder 5 of soldered portions.
8. Finally remove the Mode Switch.

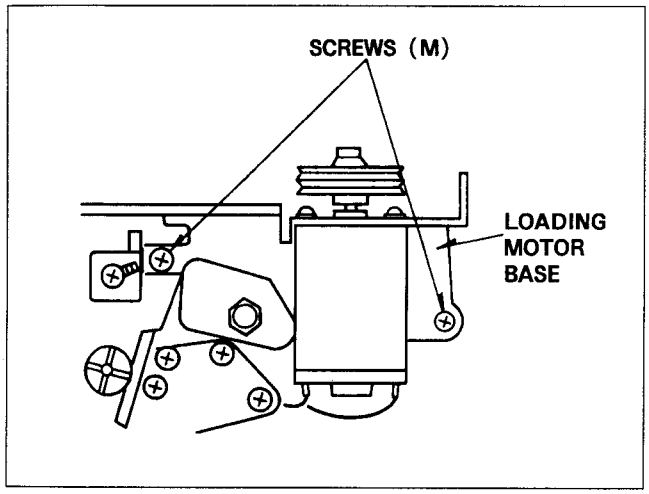


Figure M21-A

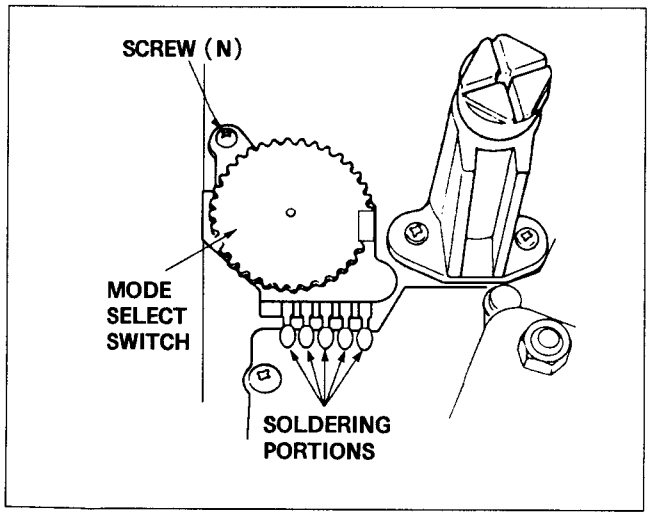


Figure M21-B

9. Install a Mode Switch and tighten screw (N), then solder 5 soldering portions.
10. Install the Pinch Cam and Pressure Roller Unit. (Refer to "Assembly Procedures of Pinch Cam & Pressure Roller Unit.")
11. Install the Loading Motor Base and tighten screw (M).
12. Install the Head Amp and tighten 2 screws.
13. Install the Cassette Compartment. (Refer to Reinstallation of Cassette Compartment.)

3-5-13. REPLACEMENT OF THE PINCH SOLENOID

1. Unscrew 2 screws (M) and remove the Loading Motor Base (Figure M21-A).
2. Unscrew 2 screws (O), Remove the Motor Pulley and Loading Motor (Figure M22-A).
3. Disconnect a connector (red) on the Motor Base C.B.A.
4. Unscrew 2 screws (P)(Figure M22-B) and remove the Pinch Solenoid.
5. Install the Pinch Solenoid on to the Motor Base so that the hole of the Motor Base should be the large hole of the Solenoid Base (Figure M22-C).
6. Tighten 2 screws (P).
7. Install a Loading Motor and tighten 2 screws (O).
8. Install the Loading Motor Base and tighten 2 screws (M)(Figure M21-A).

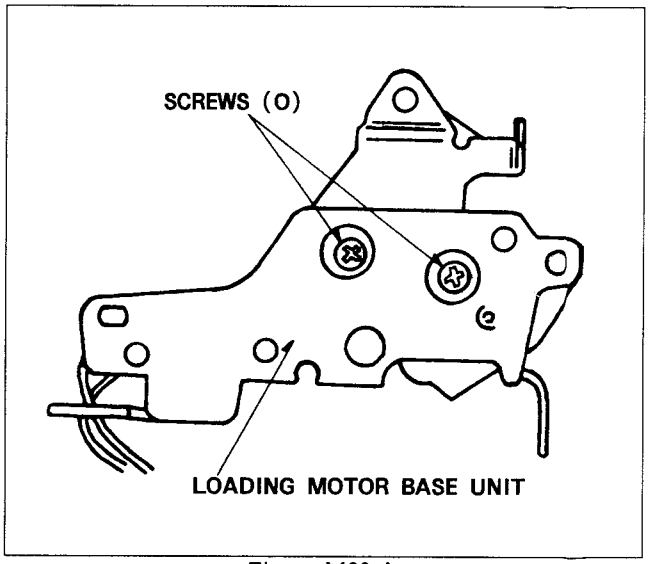


Figure M22-A

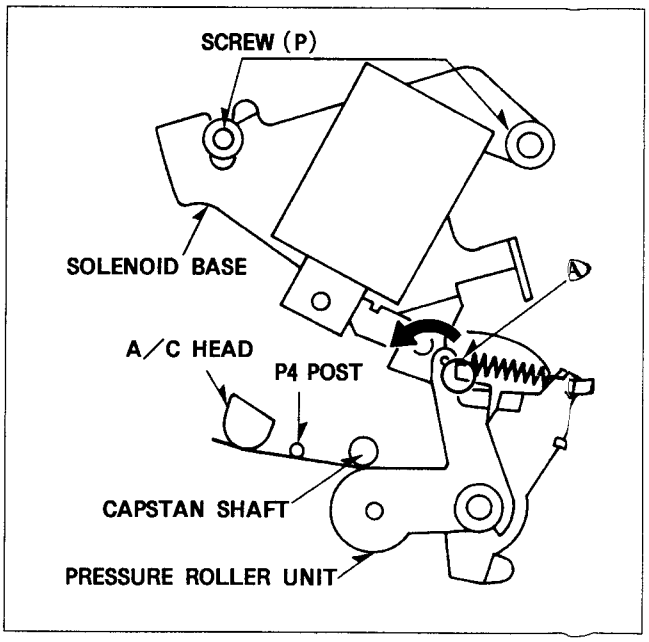


Figure M22-B

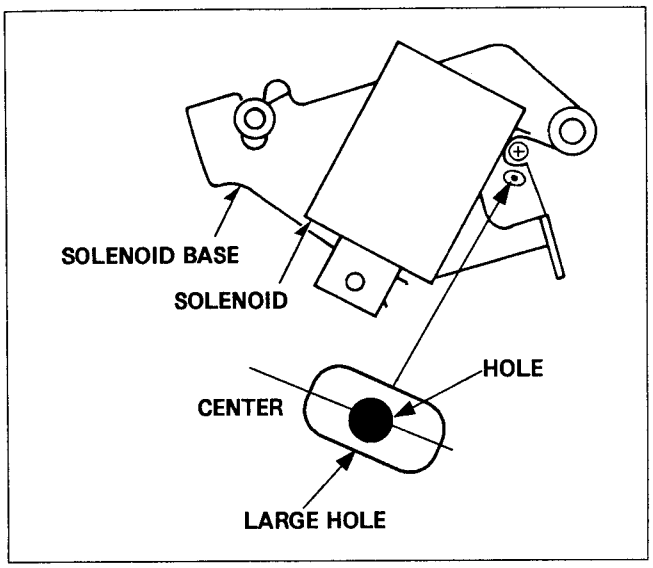


Figure M22-C

Note: Pressure Adjustment of the Pinch Roller (Refer to Mechanical Adjustment procedures) should be performed after completion of reinstalling the Pinch Solenoid.

3-5-14. REPLACEMENT OF THE HEAD CLEANING PAD

1. Remove a Cut Washer (N) and the Head Cleaning Pad Unit.
2. The Head Cleaning Pad Unit can be reinstalled by reversing the removal procedure.

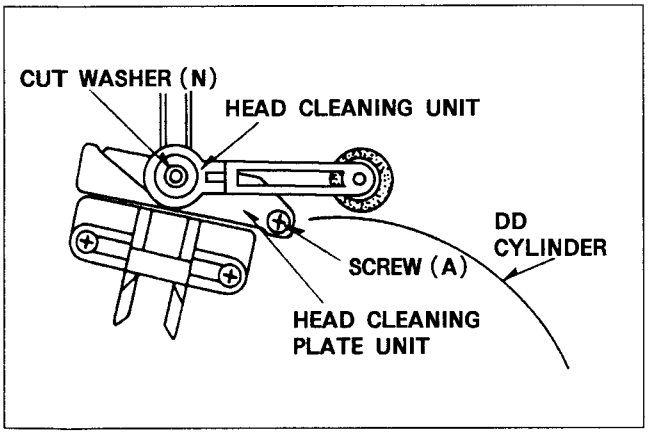


Figure M23

3-6. MECHANICAL ADJUSTMENT PROCEDURES

3-6-1. FLOW CHART OF TAPE INTERCHANGEABILITY ADJUSTMENT

AFTER RE-INSTALLING THE UPPER OR LOWER CYLINDER

↓

3-6-3. FINE ADJUSTMENT OF THE TAPE GUIDE POST HEIGHT

↓

3-6-6. COARSE ADJUSTMENT OF THE A/C HEAD HORIZONTAL POSITION

↓

3-6-7. FINE ADJUSTMENT OF THE A/C HEAD HORIZONTAL POSITION

AFTER RE-INSTALLING THE A/C HEAD

↓

3-6-5. ADJUSTMENT OF THE A/C HEAD
- A. COARSE ADJUSTMENT OF THE A/C HEAD HEIGHT
- B. COARSE ADJUSTMENT OF THE A/C HEAD TILT
- C. ADJUSTMENT OF THE A/C HEAD AZIMUTH
- D. ADJUSTMENT OF THE A/C HEAD TILT AND AZIMUTH
- E. ADJUSTMENT OF LOCK SCREW
- F. FINE ADJUSTMENT OF THE A/C HEAD HEIGHT

↓

3-6-3. FINE ADJUSTMENT OF THE TAPE GUIDE POST HEIGHT

↓

3-6-6. COARSE ADJUSTMENT OF THE A/C HEAD HORIZONTAL POSITION

↓

3-6-7. FINE ADJUSTMENT OF THE A/C HEAD HORIZONTAL POSITION

AFTER RE-INSTALLING THE INCLINED BASE (S)

↓

3-6-2. COARSE ADJUSTMENT OF THE P2, P3 POST HEIGHTS

↓

3-6-3. FINE ADJUSTMENT OF THE TAPE GUIDE POST HEIGHT

AFTER RE-INSTALLING THE INCLINED BASE (T)

↓

3-6-2. COARSE ADJUSTMENT OF THE P2, P3 POST HEIGHTS

↓

3-6-8. ADJUSTMENT OF THE INCLINED BASE (T)

↓

3-6-3. FINE ADJUSTMENT OF THE TAPE GUIDE POST HEIGHT

AFTER RE-INSTALLING THE PULL-OUT (P5) POST

↓

3-6-4. ADJUSTMENT OF THE PULL-OUT POST (P5) HEIGHT

AFTER RE-INSTALLING THE P2, P3 POST

↓

3-6-2. COARSE ADJUSTMENT OF THE P2, P3 POST HEIGHTS

↓

3-6-3. FINE ADJUSTMENT OF THE TAPE GUIDE POST HEIGHT

3-6-2. COARSE ADJUSTMENT OF THE TAPE GUIDE POST HEIGHTS (P2 and P3)

Note: The Tape Guide Posts have been precisely adjusted at the factory. Therefore, normally do not change the height of the P2 and P3 Posts.
To prevent the alignment tape from being damaged, use a normal cassette tape for this procedure.

≪ TOOL ≫

Post Adjustment Plate VFK1012
Reel Table Height Gauge VFK0190
Post Adjustment Screwdriver VFK0329
Check Light VFK0948
L Type Screwdriver VFK0269
VHS Video Tape ..... 180min. tape

1. Remove the cassette compartment (Refer to Disassembly Procedures).
2. Place the Post Adjustment Plate over the reel tables. Confirm that the Post Adjustment Plate is firmly seated as shown in Figure M25-A.

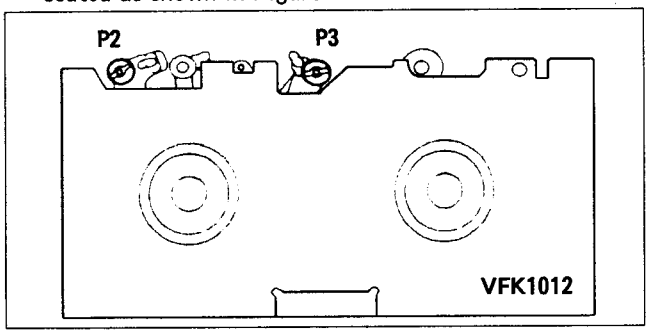


Figure M25-A

3. Lower 2 tape guide posts (P2 and P3) by turning the Post Adjustment screwdriver so that the condition of post becomes as shown in Figure M25-B. That is the lower edge of Tape guide should be lower than surface of AdjustmentPlate.

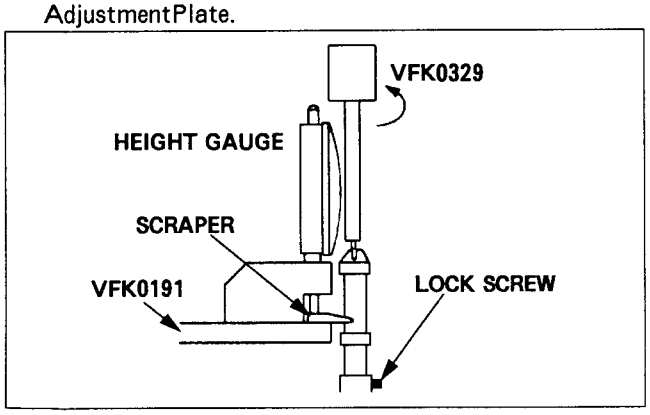


Figure M25-B

Note: Before turning P2 and P3 slightly loosen the Lock Screw using the L Type Screwdriver.

4. Place the scraper of Reel Table height Gauge as shown in Figure M25-C.
Set the gauge to zero, then raise the post slowly until the lower tape guide just touches the bottom of the scraper.
Use the gauge to determine the exact point at which the lower tape guide touches the scraper.

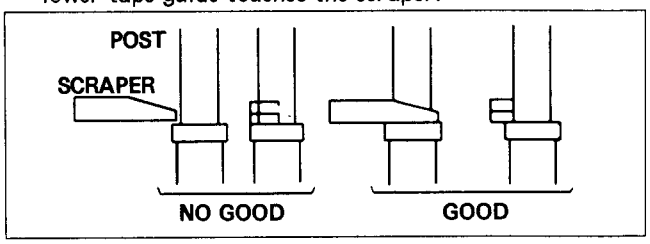


Figure M25-C

5. After the adjustment, install the cassette compartment referring to Reinstallation of cassette compartment.
6. Play back the beginning portion of 180min. tape cassette tape, and confirm that tape travel as shown in Figure M25-D.

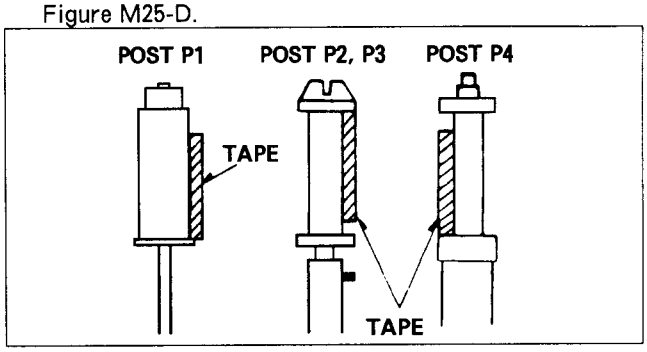


Figure M25-D

7. Make sure that the edges of the tape are not curling or waving at the bottom or top end of the posts P2, P3 by using the Check Light.
8. If there are waving or filling at the lower or upper edge of the P2 and P3 posts, readjust the heights of P2 and P3 Posts correctly as shown in Figure M25-E.

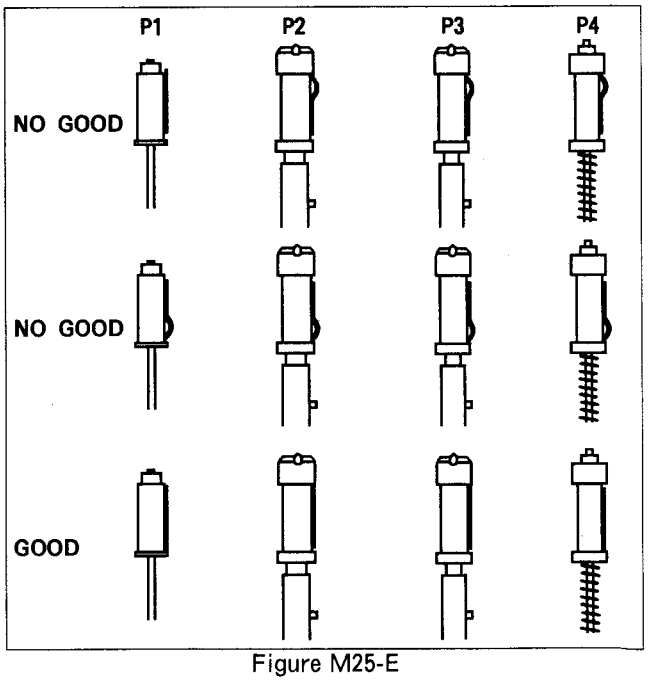


Figure M25-E

9. And confirm that the tape runs along the Cylinder Lead Correctly.

3-6-3. FINE ADJUSTMENT OF THE TAPE GUIDE POST HEIGHT (P2 and P3)(LINEARITY)

≪ TOOL ≫

Alignment Tape ·····VFM8180HADH
Post Adjustment Screwdriver ·····VFK0329

Note: Before playing back the alignment tape playback a normal cassette tape and confirm correct transport.

1. Connect the oscilloscope to TP3005 of the Video I/O C.B.A. (Video RF Envelope and the head switching pulse as a triggering signal.
2. Play back the 2-nd portion (Monoscope 2) of the alignment tape (VFM8180HADH).
3. Adjust the tracking control on the front panel so that the RF envelope becomes maximum.
4. If the RF envelope appears like example A or B in Figure M23-B then adjustment of the tape guide post (P2 ; Entrance) is necessary.

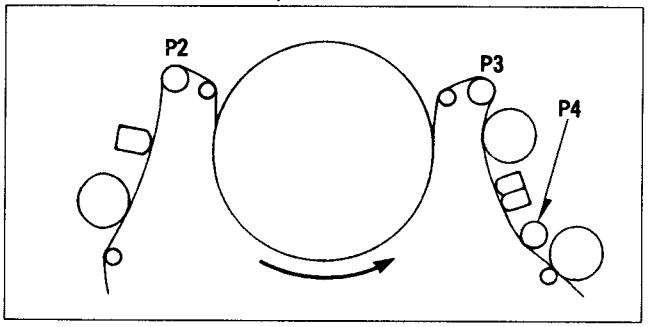


Figure M23-A

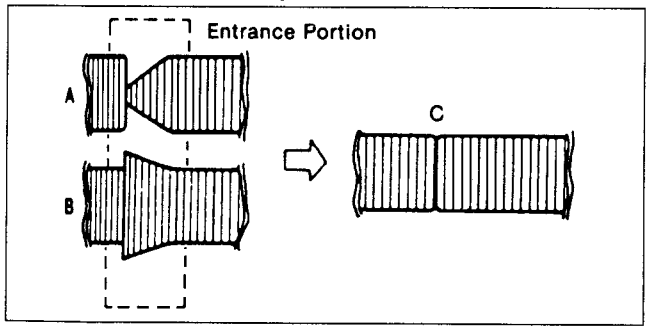


Figure M23-B

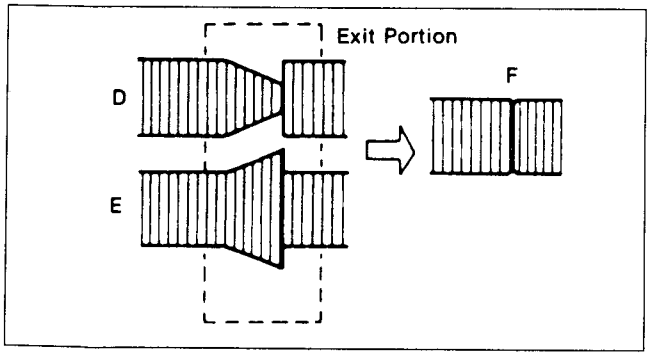


Figure M23-C

5. Adjust the tape guide post (P2) with the post adjustment screwdriver so that the RF envelope waveform at the entrance portion becomes flat as shown in Figure M23-B.
6. If the RF envelope appears like example D or E in Figure M23-C, then adjustment of the tape guide post (P3 ; Exit) is necessary.
7. Adjust the tape guide post (P3) in the same manner as the P2 post so that the exit portion becomes flat as shown in Figure M23-C.
8. The output envelope should vary nearly parallel with other condition as shown in Figure M23-D.

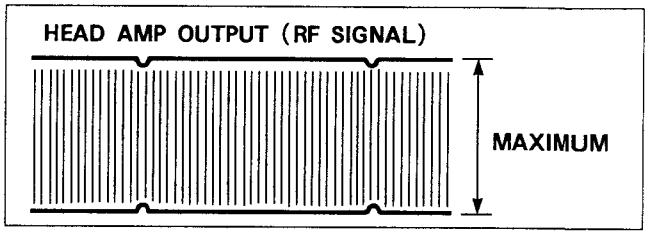


Figure M23-D

9. If the RF envelope does not meet these specification,
   V1/V0 ≧ 0.7
   V2/V0 ≧ 0.8
   V3/V0 ≧ 0.7
   then repeat steps 4-9 again.

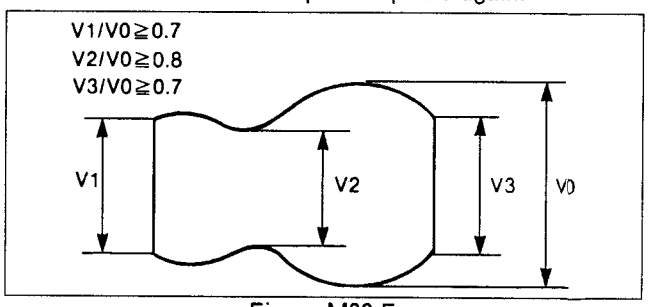


Figure M23-F

3-6-4. ADJUSTMENT OF THE PULL-OUTPOST (P5) HEIGHT

≪ TOOL ≫

Post AdjustmentPlatee·····VFK1012
Reel Table Height Gauge ·····VFK0190
Nut Driver ·····Purchase locally
VHS Video Tape·····180min. tape

≪ SPEC ≫

0.03mm 0.01mm

Note: Unless the replacement or adjustment this post is required, the adjustment nut should not be turned.

1. Remove the cassette compartment (Refer to Disassembly procedures).
2. Place the Post Adjustment Plate over the reel tables as shown in Figure M27-A.
3. Turn the Worm Shaft counterclockwise (loading direction) until the mechanical condition becomes as shown in Figure M27-A.
4. Placethe Reel Table Height Gauge on the Post Adjustment Plate and set the gauge to zero 0 as shown in Figure M27-B.

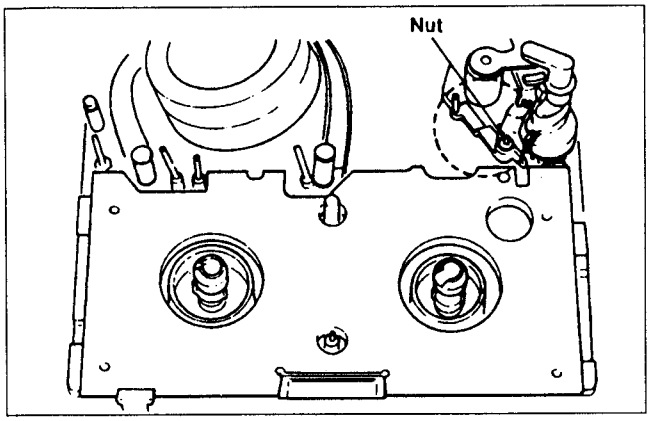


Figure M27-A

5. Place the Reel Table Height Gauge as shown in Figure M27-C and turn the nut slowly until the gauge reads.

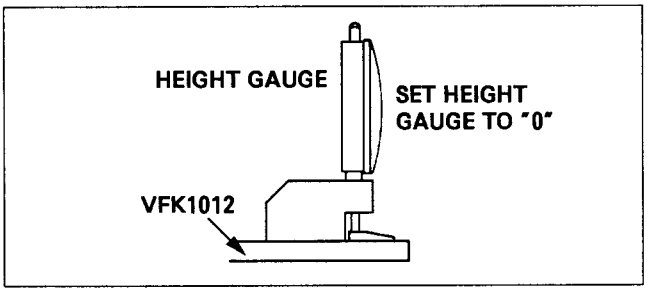


Figure M27-B

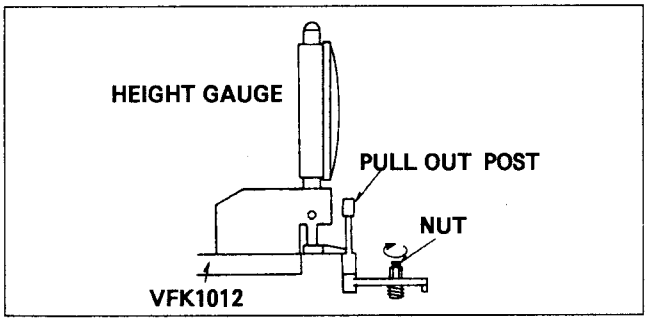


Figure M27-C

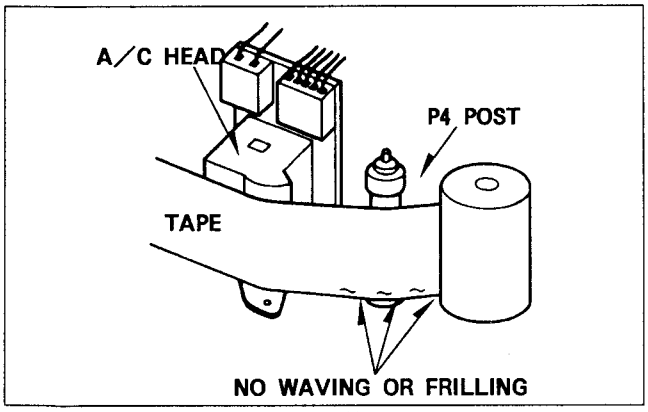


Figure M27-D

6. After the adjustment, install the cassette compartment (Refer to reinstallation of Cassette Compartment).
7. Play back a normal cassette tape on Review search mode, and make sure that the edges of the tape are not curling or waving at the bottom end of the P4 post by using the Check Light as shown in Figure M27-D.

Note: There is easy method to check Waving of Filling. If there is Waving or Filling in the lower edge, the white black pattern which is reflected on the tape will curve or not linear as shown in Figure M27-E.

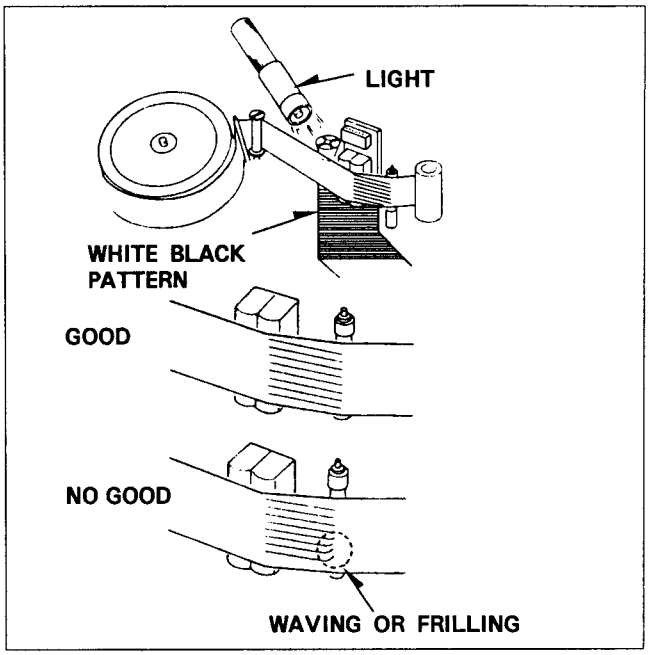


Figure M-27-E

3-6-5. ADJUSTMENT OF THE A/C HEAD

A. COARSE ADJUSTMENT OF THE A/C HEAD HEIGHT

Note: This procedure should be performed only when the A/C Head is replaced.

≪TOOL≫
Check Light ·····VFK0948
Nut Driver ·····Purchase locally
VHS video Tape ·····180min. tape

1. With the tape running, look at the lower edge of the control head by using the check light.
2. Adjust the Nut (A) as shown in Figure M28-A by turning the Nut (A) clockwise to lower the head, and counterclockwise to raise it.

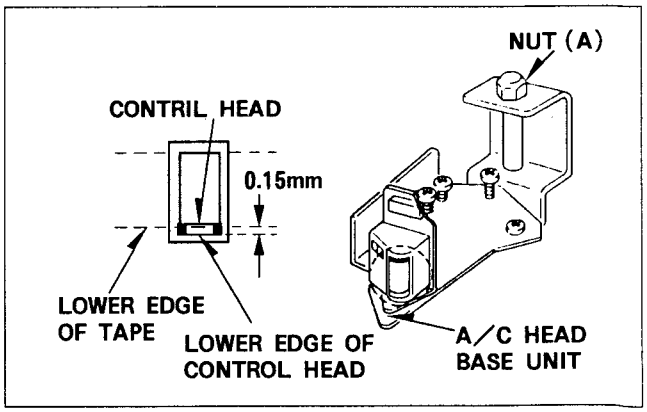


Figure M28-A

B. COARSE ADJUSTMENT OF THE A/C HEAD TILT

Note: This procedure should performed only when the A/C Head is replaced or posts heights are readjusted.

≪ TOOL ≫

Alignment Tape ·····VFM8180HADH
Check Light ·····VFK0948
Screwdriver (+) ·····Purchase locally
VHS Vide Tape ·····180min. tape

1. Play back a VHS video tape which the amount of tape winding of a Take up Reel, Turn a screw (B) to clockwise until waving or Filling appears in the Lower edge of P4 post as Figure M28-B.

Note: There is easy method to check waving or Filling if there is waving or Filling in the lower edge. ZEBRA pattern which is reflected on the tape will curve or not linear (Figure M27-E).

2. Turn the screw (B) to counter-clockwise until waving or filling do not appear in the in the lower edge of P4 post.

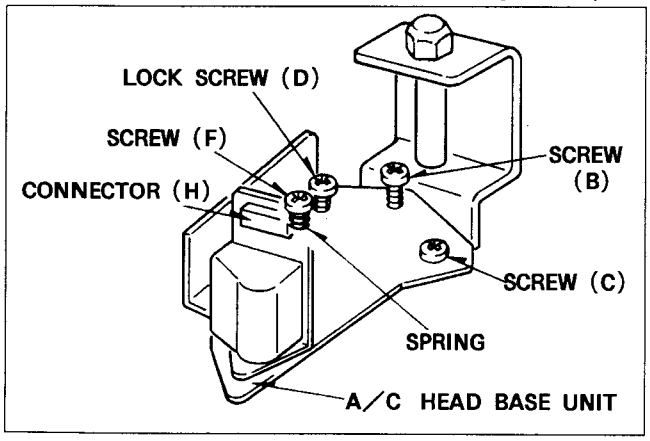


Figure M28-B

C. ADJUSTMENT OF A/C HEAD AZIMUTH

1. Connect the scope CH1 to TP40005(Normal Audio out put CH1) and the scope CH2 to TP40007(Normal Audio output CH2) on the Rear Jack.
2. Play back the 2-nd portion (Normal Audio 6KHz) of the alignment tape (VFM8180HADH).
3. Adjust the screw (C) so that these phases of both channels match as shown in Figure M28-C.

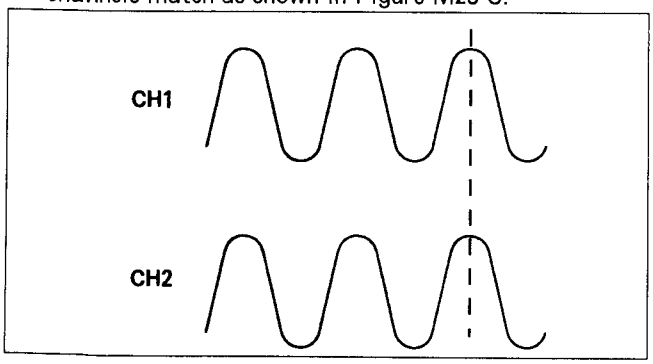


Figure M28-C

D. TILT and AZIMUTH ADJUSTMENT OF A/C HEAD

1. Adjust the screw (C) and (B) so that CH1 and CH2 output levels become maximum, these phase of both channels much at the same time (Figure M28-D). During this adjustment the Lock screw (D) dose not touch the A/C Head Base as shown in Figures M28-E.

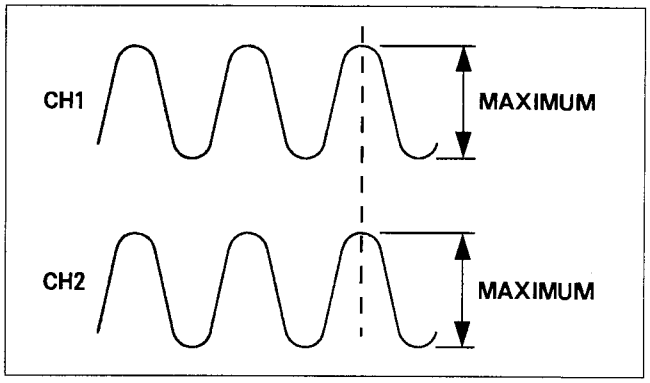


Figure M28-D

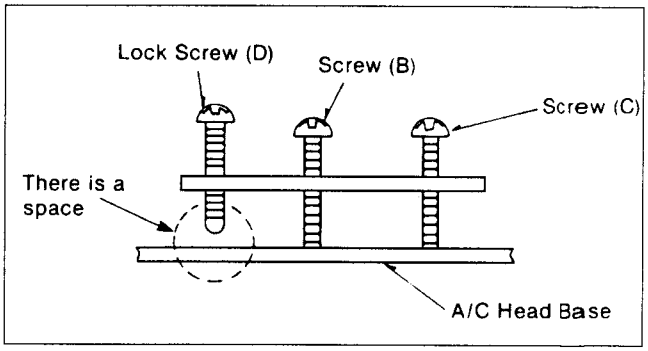


Figure M28-E

E. ADJUSTMENT OF LOCK SCREW

1. Turn the screw (C) to clockwise so that the difference of phase of both channels become 180 degrees as shown in Figure M28-F.
2. Tighten the Lock screw (D) so that these phase of both channels match as shown in Figure M28-F.

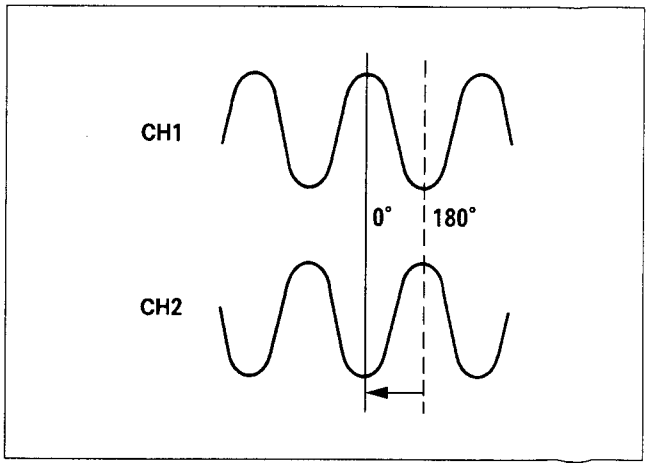


Figure M28-F

F. FINE ADJUSTMENT OF A/C HEAD HEIGHT

Note: Before this adjustment Coarse Adjustment of the A/C Head Height should be performed.

≪ TOOL ≫
Alignment Tape ·····VFM8180HADH
Nut Driver ·····Purchase locally

1. Connect a scope CH1 to TP40005(Normal Audio output CH1) and the scope CH2 to TP40007(Normal Audio output CH2) on the Rear Jack C.B.A.
2. Play back the 4-th portion (Normal Audio 1kHz) of the Alignment Tape (VFM8180HADH).
3. Adjust the Nut (A)(Figure M28-A) so that the CH1 output and CH2 output level becomes maximum as shown in Figure M28-G.

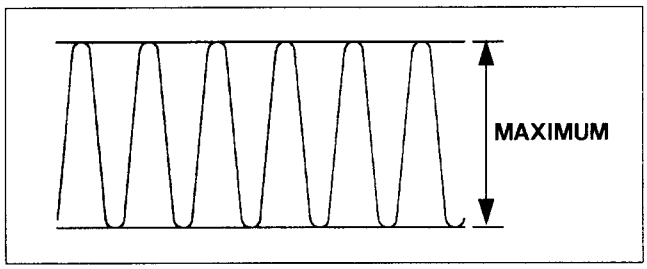


Figure M28-G

3-6-6. COARSE ADJUSTMENT OF THE A/C HEAD HORIZONTAL POSITION (X-VALUE)

Note: This procedure should be performed only when the A/C head is replaced, and after performing the tape interchangeability adjustment.

≪ TOOL ≫
H-Position Adjustment Screwdriver ·····VFK0328
Alignment Tape ·····VFM8180HADH

1. Connect a scope CH1 to Video RF Test Terminal and a scope CH2 to Normal Audio CH2 output on the Rear Jack.
2. Play back the 1-st position (Monoscope 1 and Audio/Every 10-the field is skipped) of the Alignment tape VFM8180HADH.
3. Adjust the A/C head horizontal position screw so that the phase of audio drop out and video RF envelope drop-out becomes the same as shown in Figure M29.

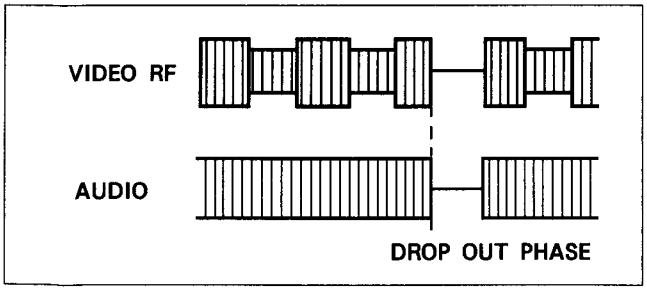


Figure M29

Note: After completion the fine adjustment of the A/C head horizontal position, the phase of Audio drop-out and Video RF envelope drop- out may be changed slightly.

3-6-7. FINE ADJUSTMENT OF THE A/C HEAD HORIZONTAL POSITION (X-VALUE)

Note: This procedure should be performed only when the A/C head is replaced, and after performing the tape interchangeability adjustment.

≪ TOOL ≫
H-Position Adjustment Screwdriver ·····VFK0328
Alignment Tape ·····VFM8180HADH

1. Set the Tracking Control VR to the center fix position.
2. Connect a oscilloscope to Video RF Test Terminal (TP3005 of the Video I/O C.B.A. and TP41003 on the Audio (2) C.B.A. for trigger).
3. Play back the 2-nd portion (Monoscope 2) of the alignment tape (VFM8180HADH).
4. Adjust the Horizontal Position Screw of A/C head so that the RF signal becomes maximum level as shown in Figure M30.

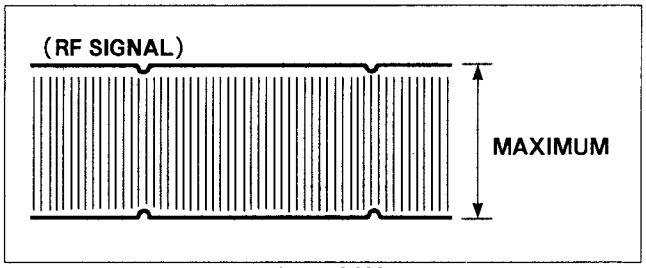


Figure M30

3-6-8. ADJUSTMENT OF INCLINED BASE (T)

≪ TOOL ≫

Check Light ·····VFK0948
Screwdriver (+) ·····Purchase locally
VHS Video Tape·····180min. tape

1. Play back the beginning portion of 180 minute normal cassette tape and confirm that waving or filling of P3 post is as shown in Figure M31-A.

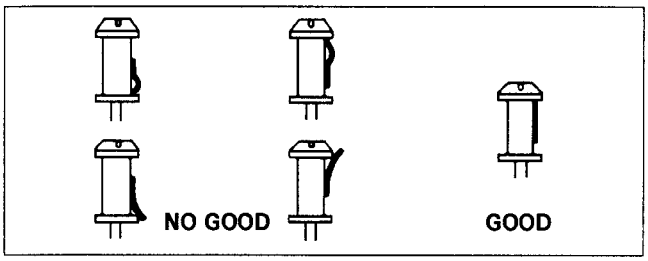


Figure M31-A

2. If there are waving at the lower and upper edge of the P3 post, Adjustment the inclined base of P3 post as shown in Figure M31-B.

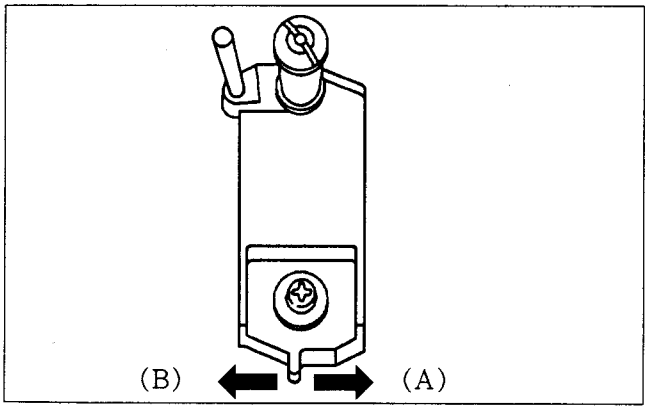


Figure M31-B

[When the inclined base is adjust to an arrow direction (B) tape becomes to lower edge.]

3. Confirm that tape position at the P3 post is upper reference. If it is so tighten the screw as shown in Figure M31-A.
4. Confirm that the there are no tape waving at the upper edge of the P2 and P3 posts. If there is tape waving repeat steps 2 ~ 3.

Note: After completion of the inclined base, the tapeinterchargability and A/C head adjustments should be performed.

3-6-9. ADJUSTMENT OF THRUST GAP

1. Turn the thrust adjustment screw clockwise to until the capstan rotor just separate from the capstan stator whit rotating the capstan rotor by hand.
2. Turn the thrust adjustment screw clockwise to 180 degrees from paint at step 1.
3. Set the 2 oil seal to edge of the capstan housing as shown in Figure M32.

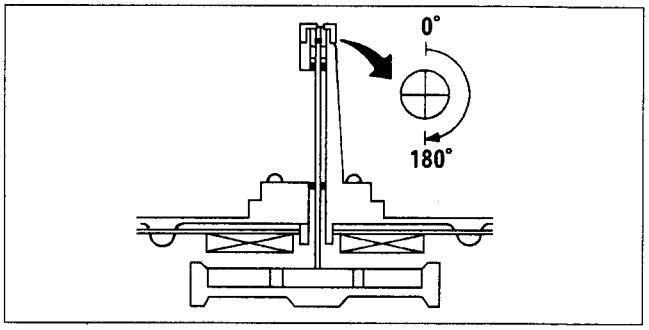


Figure M32

3-6-10. ADJUSTMENT OF FG GAP

≪ TOOL ≫

Fine Adj. screwdriver·····VFK0330
Screwdriver ·····Porchase loclly

≪ SPEC ≫

0.13mm 0.02mm

1. Loosen screw (Q) and set the Fine Adjustment screw driver in the hole on the Capstan Stator Unit.
2. Adjust the gap between FG head and the Capstan Stator unit.
3. After adjustment tighten a screw (Q).

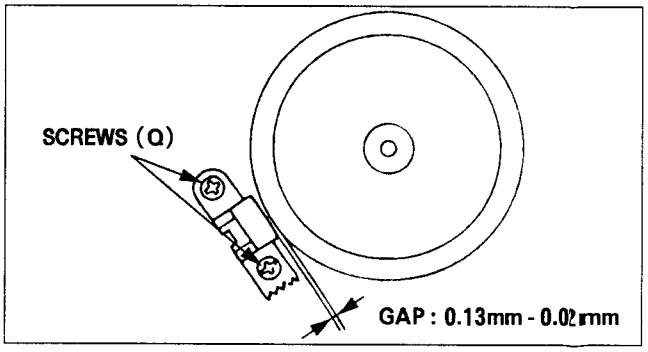


Figure M33-A

Note: After adjust FG head gap, FG output level confirmation must be required.
Do not touch the surface of rotor and keep any magnetizable material away.

CONFIRMATION OF FG OUTPUT LEVEL

1. Connect a oscilloscope to CAP FG output.(P27023)
2. Confirm that FG output level is within specification during PLAY/REC or PLAY mode.
3. If FG output level is out of specification Readjust the step 1 to 3 of FG GAP Adjustment.

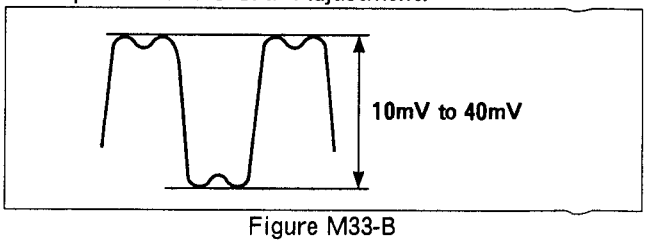


Figure M33-B

3-6-11. MEASUREMENT AND ADJUSTMENT OF BACK TENSION

≪ TOOL ≫
Back Tension Meter ·····VFK0132
VHS Cassette Tape (180min. tape except S-VHS tape)

A. FWD TENSION ADJUSTMENT

≪ SPEC ≫
23g ~ 27g

1. Play back the cassette tape from the beginning and wait until the tape movement get the stabilization (for approx. 10 to 20 seconds).
2. Pull the Impedance Roller in the direction indicated the arrow in Figure M34-A secure it with a piece of adhesive tape.
3. Insert the Back Tension Meter into the path of a tape, and measure the back tension.
4. If it is out of specification, replace the Tension spring.

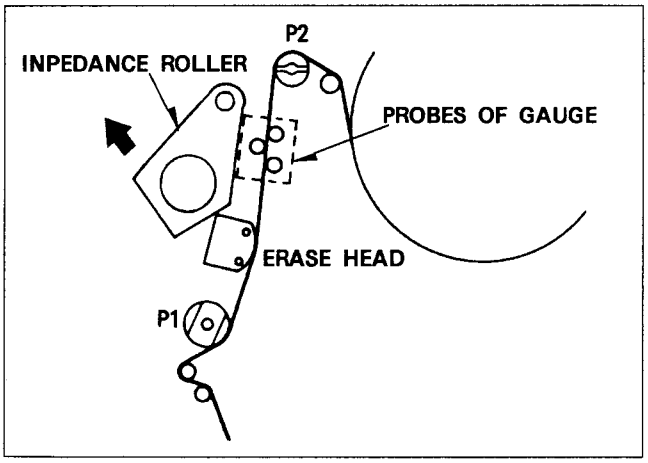


Figure M34-A

B. REV TENSION ADJUSTMENT

≪ SPEC ≫
30g ~ 60g

1. Play back the cassette tape on SP Reverse Play mode from the beginning and wait until the tape movement get the stabilization (for approx. 10 to 20 seconds).
2. Pull the Impedance Roller in the direction indicated by the arrow in Figure M34-A secure it with a piece of adhesive tape.
3. Insert the Back Tension Meter into the path of a tape, and measure the back tension.
4. If it is out of specification, replace the Tension spring.

Note: While measuring, make sure that the three probes of the meter are all in good contact with the tape.
As the tension meter is very sensitive, we recommend taking 3 separate readings.

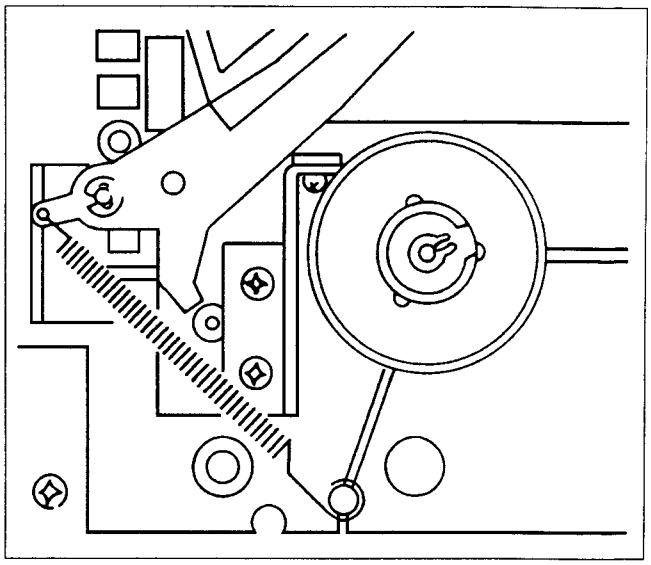


Figure M34-B

3-6-12. HEIGHT ADJUSTMENT OF THE REEL TABLES

≪ TOOL ≫
Post Adjustment Plate ·····VFK1012
Reel Table Height Gauge ·····VFK0190

≪ SPEC ≫
0 ~ 0.15mm

1. Remove the cassette compartment.
2. Place the post Adjustment Plate on the reel tables.
3. Place the Reel Table Height Gauge on the plate so that the scraper of the gauge touches the cut- out portion of the plate, then set the gauge to zero 0 as shown in Figure M35-A.

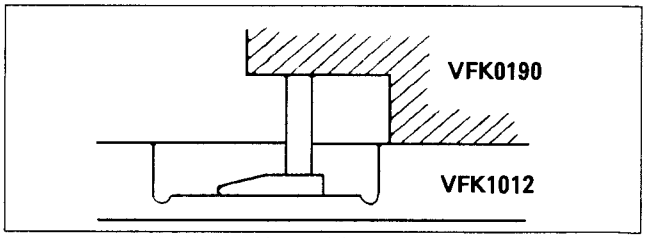


Figure M35-A

4. Measure the height of the top surface of either Reel table and note the difference in height from the plate cut-out (Figure M35-A and M35-B). Repeat this procedures for the other Reel Table.

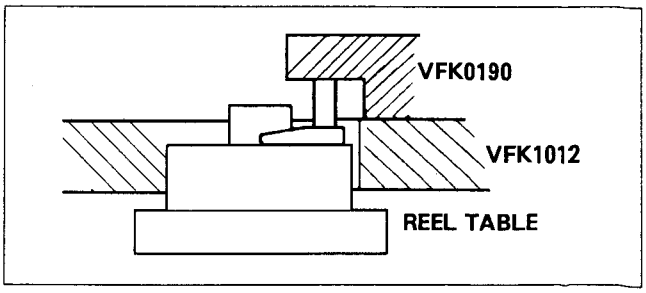


Figure M35-B

5. If the difference of Supply Reel table is more than 0.15mm higher or lower, replace the Supply Reel table. When the difference of Take Up Reel table is more than 0.15mm higher or lower, adjust nut (A)(Figure M35-C) so that measurement becomes the spec. If you can not adjust to the spec., replace Take Up Reel table.

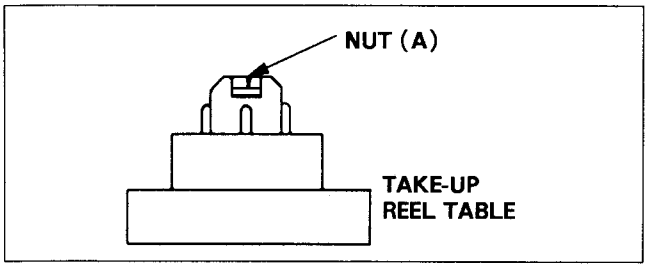


Figure M35-C

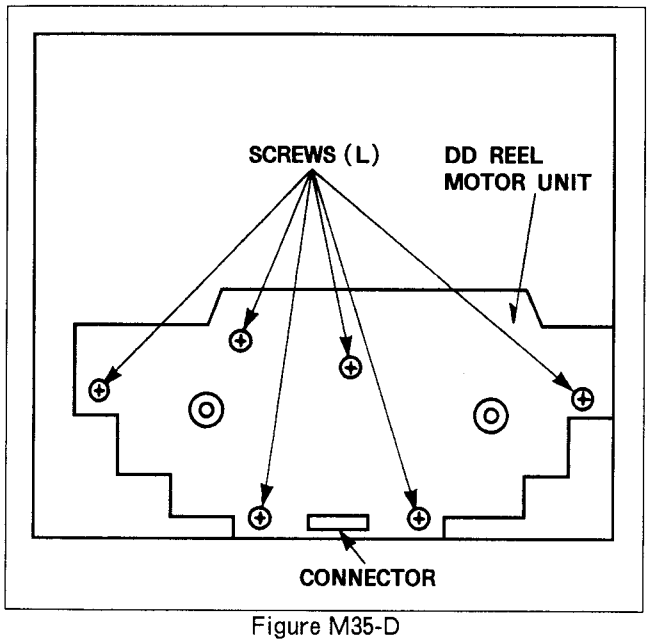


Figure M35-D

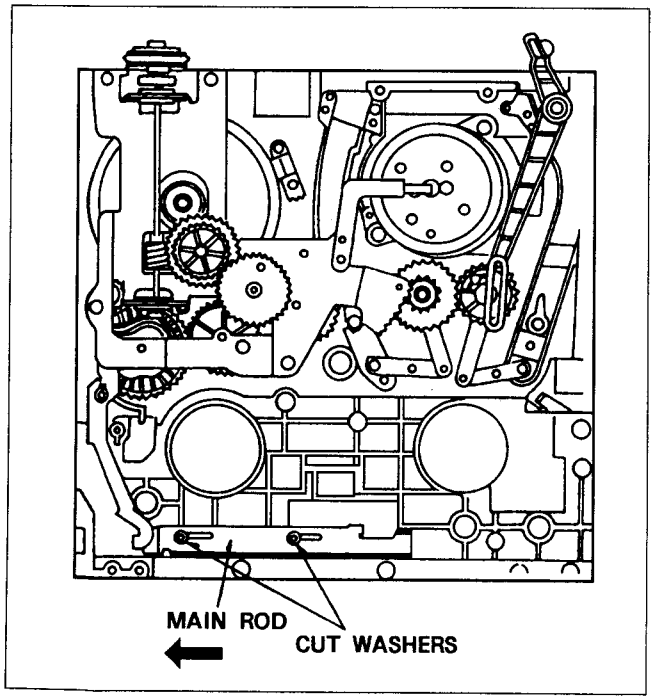


Figure M35-E

Note: When replacing the tables, the DD Reel Unit needs to be removed from the chassis. Remove 6 screws and carefully lift it out as shown in Figure M35-D. When assembling the DD Reel Unit, slide a Main Rod to far left side by rotating the Center Gear, and then screw the 6 screws.

3-6-13. MEASUREMENTAND ADJUSTMENT OF THE BRAKE TORQUE

≪ TOOL ≫

Torque Gauge ·····VFK0133
Adaptor for Gauge·····VFK0134

1. Remove the top cover and the cassette compartment.
2. Attach the adapter to the torque gauge and place the deck in STOP mode (Sub loading mode).
3. Place the torque gauge on the reel table as shown in Figure M33-A. The weight of the gauge should not rest on the reel table.
4. Turn the torque gauge in the direction indicated in Figure M33-B until the brake begins slipping and read the gauge.

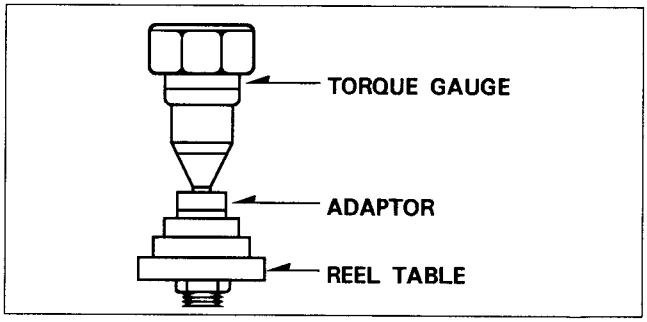
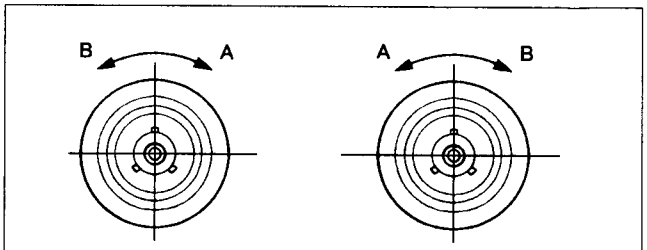


Figure M33-A



	A	B
Take up	more than 550 g-cm	more than 50 g-cm
Supply		more than 50 g-cm

Figure M33-B

5. If it is out of specification, replace the Brake Spring.

Note: If the proper brake torque cannot be obtained by replacing the Brake Spring, clean thbraking surface of the reel table with a soft cloth and re-measure the brake torque. If its still out of specification, replace the Main Brake (S) or (T) Unit.

3-6-14. PRESSING FORCE CONFIRMATION OF PRESSURE ROLLER UNIT

≪ TOOL ≫
Fan Type Tension Gauge ·····VFK66
VHS 120min, Cassette Tape

≪ SPEC ≫
1050g ± 230g

1. Remove the Cassette Compartment.
2. Play back the end portion of VHS (120min.) tape.
3. Set the Fan Type Tension Gauge to the part (A) of Pinch Roller Unit.
4. Press the Arm with the Gauge, in the direction indicated by the arrow as show in Figure M37.
5. Adjust the Solenoid Base so that the reading of the Tension Gauge is 1050g ± 230g at the moment of the tape running stop.
6. If it is out of specification, replace the Tension spring.

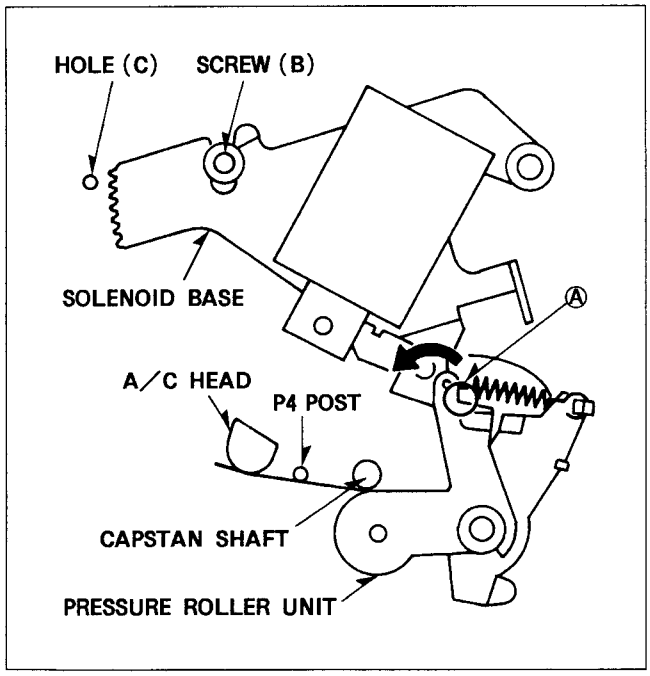


Figure M37

3-6-15. ADJUSTMENT OF REV TENSION SENSOR POSITION

≪ TOOL ≫
Tension Sensor Adj. Fixture·····VFK0806
Tension Post Adj. Plate ·····VFK0236
Fine Adj. Screwdriver ·····VFK0330
Digital Volt Meter Purchase locally

≪ SPEC ≫
2.3V ~ 2.7V

Note: Assemble a Tension Sensor Adjustment Fixture (VFK0806) and a Tension Post Adj. Plate (VFK0236) as shown in Figure M38-A.

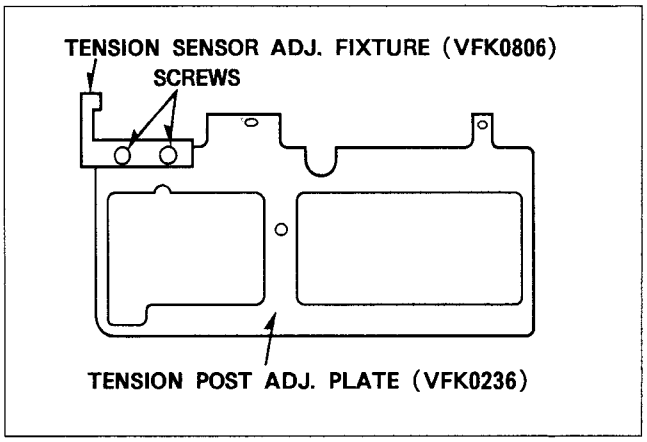


Figure M38-A

1. Remove the Top Plate and Cassette Holder Unit. (refer to Disassemble Procedures)
2. Disconnect the 4pin and 2pin flat wire to the pin 3 and 4 of the connector P1508.
3. Connect two wires of 4pin flat wire to the pin 3 and 4 of the connector P1508 as shown in Figure M38-B.

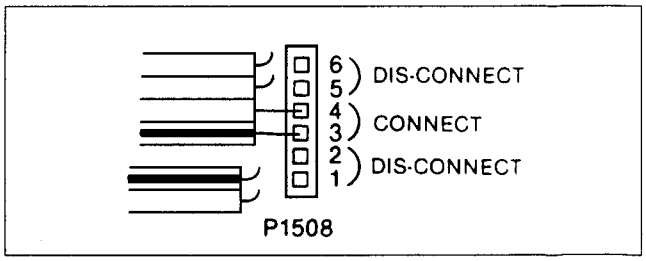


Figure M38-B

4. Push the Sub Wiper Arm (R) to direction of Cassette loading. Then the Sub Wiper Arm (R) goes down it self and mode of machine change to STOP.
5. Turn the Power switch off.
6. Remove the Cassette Compartment (refer to Disassembly Procedures).
7. Connect the V.T.V.M. of D.V.M. to TP2502 on the SERVO/SYSCON C.B.A.
8. Place the Tension Post Position Adjustment Plate with the Fixture over the reel tables as shown in Figure M38-C.

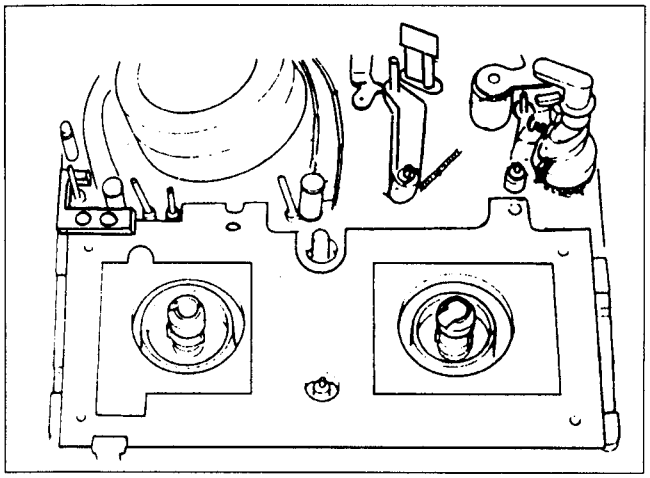


Figure M38-C

9. Turn the Power switch on.
10. Slightly loosen 2 screws (C). Insert a Fine Adj. Screwdriver in the hole (D)(Figure M38-D).

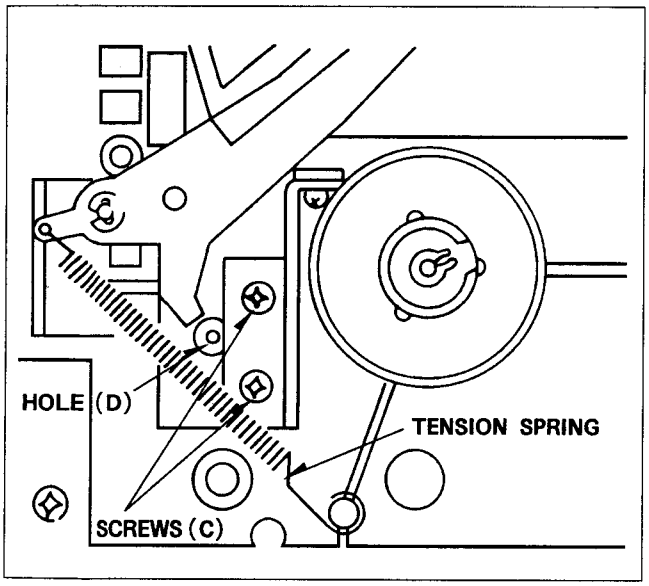


Figure M38-D

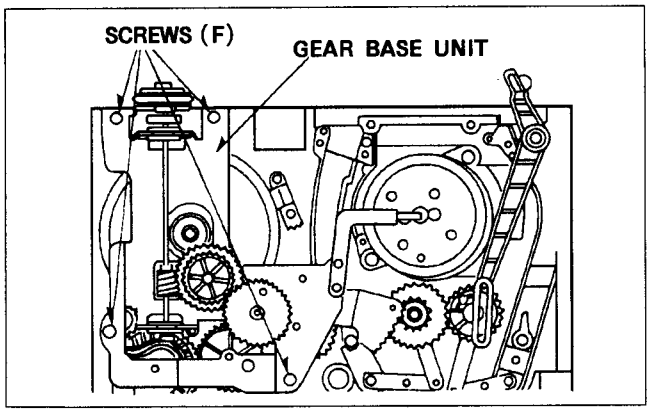
11. Press the PLAY button.
12. Adjust the Rev Sensor Position so that measurement becomes D.C. 2.3V~2.7V.
13. Tighten the 2 Screws (C).
14. Remove the Tension Sensor Fixture.
15. Reinstall the Cassette Compartment.
16. Confirm Playback picture (Rev Playback mode, Playback mode etc.)

3-7. ASSEMBLY AND ADJUSTMENT PROCEDURES OF MECHANISM

The mechanism of this model is mostly engaged to the System Control Circuit, through the mode select switch. Therefore the relation between the mode select switch and the cam gear decides all further mechanical movement of the mechanical parts such as levers, gears, rollers and so on. If these parts are not fixed properly, the unit will be unloaded or compulsorily stopped. And it will result being damaged at any mechanical or electrical parts. The overall mechanical condition (alignment) of bottom and top view are shown in Figure M39-B and Figure M39-C. This mechanical adjustment is performed in the STOP mode.

3-7-1. CONFIRMATION OF ALIGNMENT CONDITION

1. Remove the Loading Belt.
2. Unscrew 4 screws (F) and remove the Gear Base Unit. (Figure M39-A)
3. Turn the Center Gear to counter-clockwise until 2 big holes of Center Gear align with 2 big holes of Retainer Gear and Ring Gear and Chassis as shown in Figure M39-C.
4. Identification hole on the Mode Select Switch at 6 oclock position and aligned with small hole on Pinch Cam as shown in Figure M39-B.
5. P5 Arm is completely loading position and the Inclined Base (S) and (T) are completely unloading position.
6. Small hole on Sub Cam Gear should align with small hole on the Connection Gear and rectangular mark on the Connection Gear should be at a 3 oclock position.
7. Pressure Roller Unit is UP position.



Fiugre M39-A

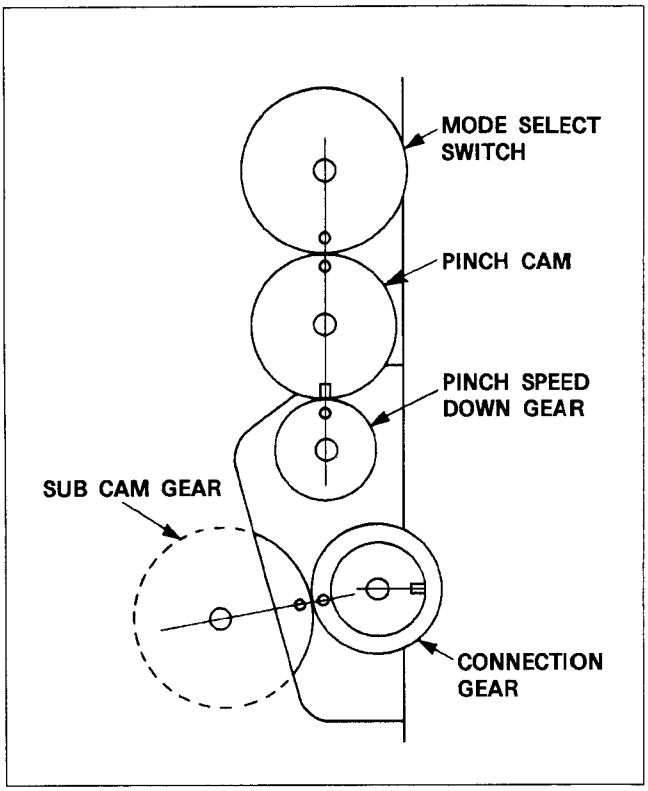


Figure M39-B Top View of Overall IQ-Mechanical Condition

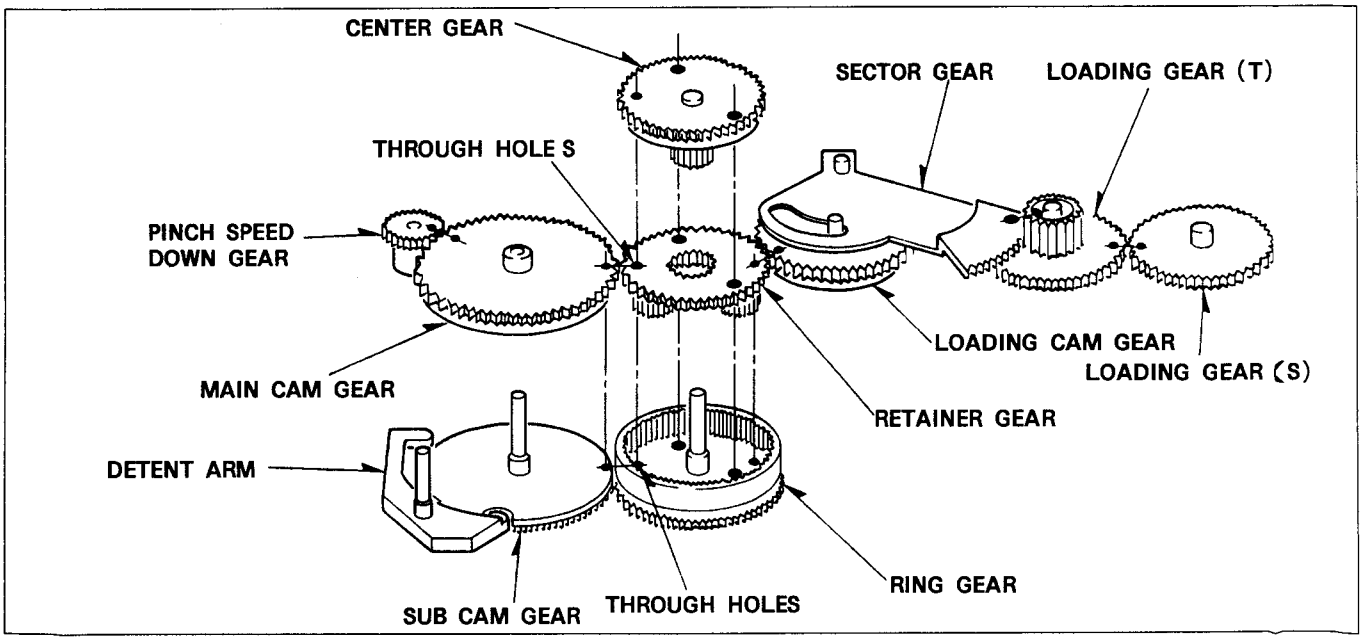


Figure M39-C Bottom View of Overall Mechanical Condition

3-7-2. ASSEMBLY PROCEDURES OF SUB CAM GEAR RING GEAR AND DETENT ARM

1. Install the Ring Gear so that the two holes on the Ring Gear align with the two holes on the chassis as shown in Figure M40.
2. Install the Sub Cam Gear so that the large hole on Sub Cam Gear aligns with the hole on chassis.
   Also the small hole (located just outside of large hole) on Sub Cam Gear should align with the hole on Ring Gear as shown in Figure M40.
3. Confirm that the small hole on Sub Cam Gear is aligned with the small hole on Connection Gear as shown in Figure M39-B (In case of the Connection Gear is already installed).
4. Install the Detent Arm and make sure Detent Arm seats perfectly in detent of Sub Cam Gear as shown in Figure M40.

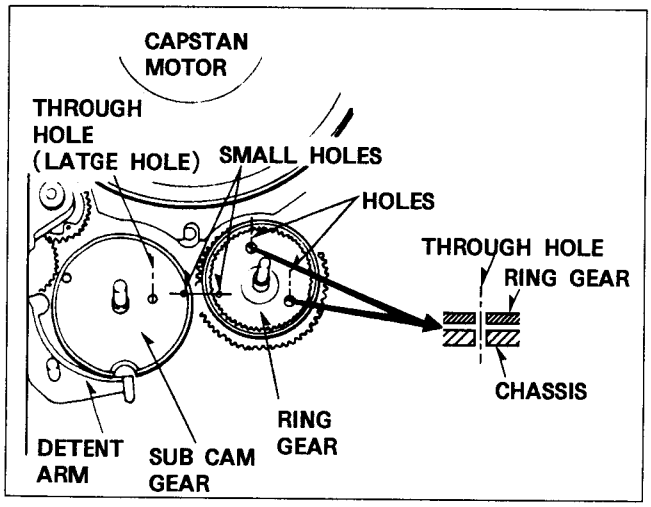


Figure M40

3-7-3. ASSEMBLY PROCEDURES OF MAIN CAM GEAR AND PINCH SPEED DOWN GEAR

1. Install the Main Cam Gear on to the Sub Cam Gear so that the small hole on the Main Cam Gear aligns with small hole on the Ring Gear as shown in Figure M41.
2. Insert a retaining ring.
3. Install the Pinch Speed Down Gear from top side of chassis so that the small hole on the Main Cam Gear as shown in Figure M41.

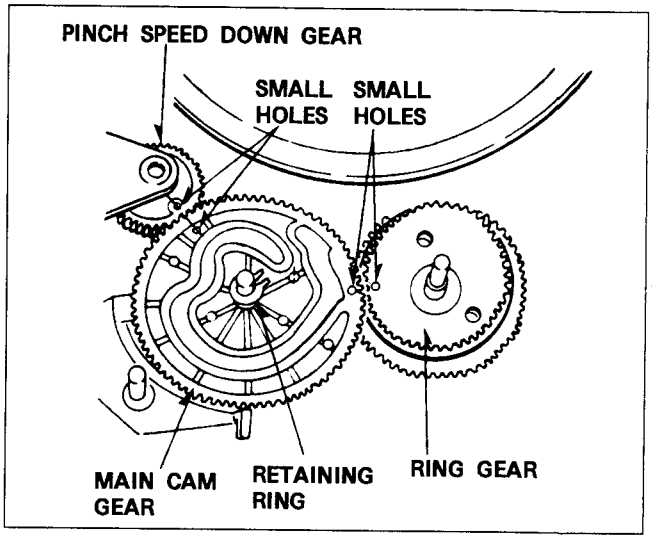


Figure M41

3-7-4. ASSEMBLY PROCEDURES OF LOADING CAM GEAR AND RETAINER GEAR

1. Install the Retainer Gear onto the Ring Gear so that the two holes on the Retainer Gear align with the two holes on the Ring Gear, at this time, small hole on the Main Cam Gear should aligns with small hole on the Retainer Gear as shown in Figure M42.
2. Install the Loading Cam Gear so that the small hole which is directly outside of the large hole on the Loading Cam Gear is aligned with the outside hole of the Retainer Gear as shown in Figure M42.

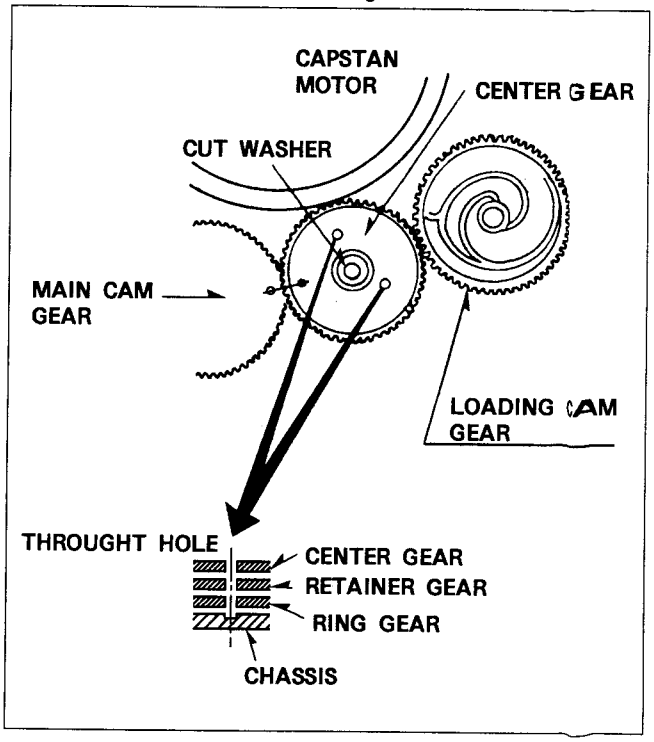


Figure M42

3-7-5. ASSEMBLY PROCEDURES OF CENTER GEAR

1. Softly Install the Center Gear onto the Retainer Gear so that the two holes in the Center Gear align with the holes on the Retainer Gear, then install the cut washer as shown in Figure M43.

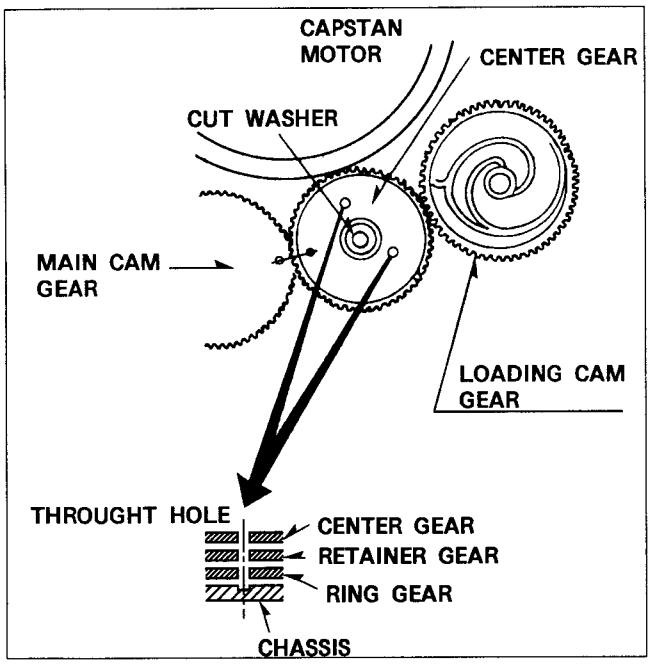


Figure M43

3-7-6. ASSEMBLY PROCEDURES OF MAIN LEVER AND CAM FOLLOWER ARM UNIT

1. Install the Main Rod and then insert the cut washers as shown in Figure M44.
2. Install the Cam Follower Arm so that the pin of the Cam Follower Arm inserts into the groove of the Main Cam Gear and also inserts into the slot on the Main Rod, insert the retaining ring.

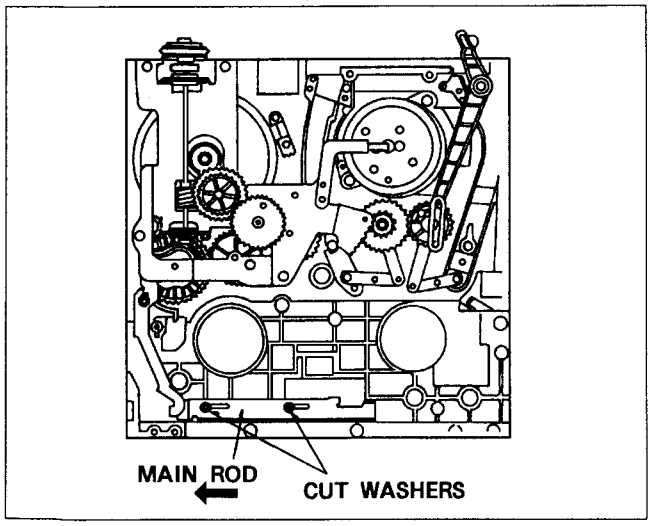


Figure M44

3-7-7. ASSEMBLY PROCEDURES OF LOADINGGEAR (T), LOADING GEAR (S), SECTOR GEAR

1. Set the P2 and P3 posts to fully unloaded position, then install the Loading Gear (T) and (S) so that the outer hole on the Loading Gear (T) aligns with the outer hole on the Loading Gear (S) as shown in Figure M45-A.
2. Install the Sector Gear so that the outer hole in the Sector Gear aligns with the projection mark on Loading Gear (T).
3. Insert 3 retaining rings as shown in Figure M45-B.

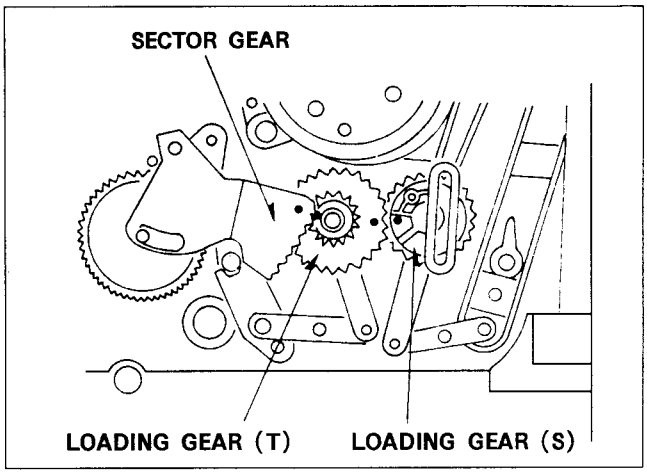


Figure M45-A

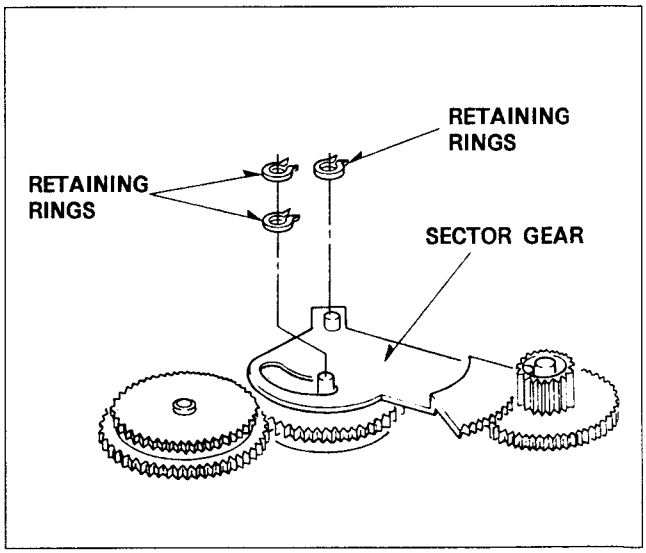


Figure M45-B

3-7-8. ASSEMBLY PROCEDURES OF CONNECTION GEAR

Note: Before assembling, Sub Cam Gear position (and positions of bottom side gears) must be correct as described before (Figure M39-B).

1. Install the Connection Gear so that the small hole on the Connection Gear aligns with the small hole on the Sub Cam Gear as shown in Figure M46.

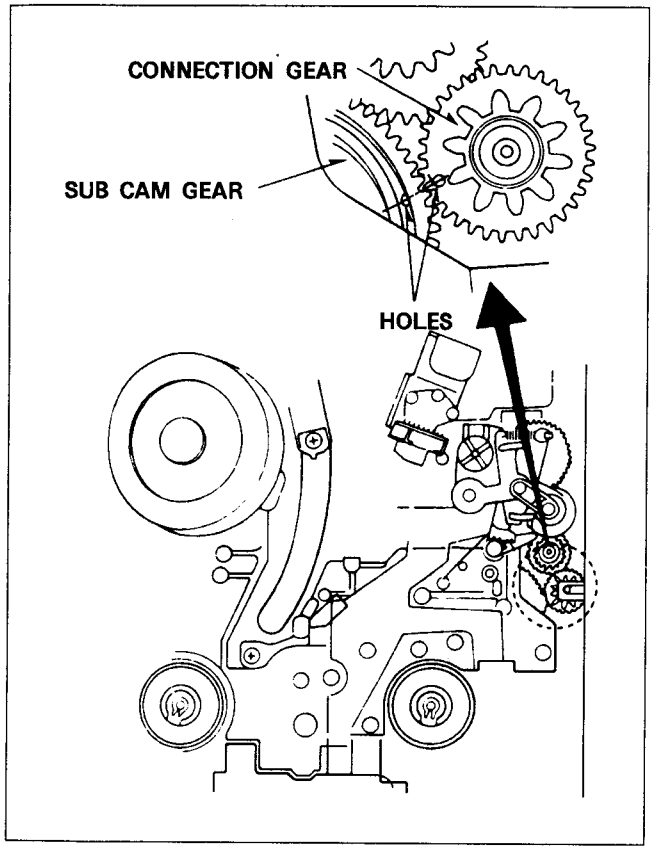


Figure M46

3-7-9. ASSEMBLY PROCEDURES OF MODE SWITCH AND P5 PULL OUT SECTOR GEAR

1. Turn the Center Gear to unloading position.
2. Install the mode Select Switch and tighten the mounting screw, then solder the 5 soldering portions.
3. Install the P5 Pull Out Sector Gear so that the hole of P5 Pull Out Sector Gear aligns with the tip of gear at P5 Arm as shown in Figure M47.

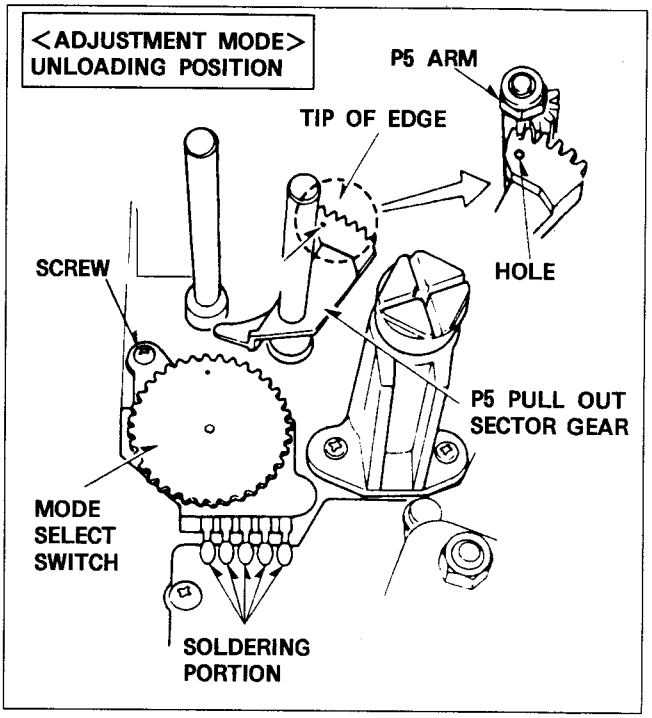


Figure M47

3-7-10. ASSEMBLY PROCEDURES OF PINCH CAM AND PRESSURE ROLLER UNIT

1. Install the Pinch Cam while pushing the P5 post forward. The gear of the Pinch Cam should drop to a seated position. In this position make sure hole in the Mode Select Switch aligns with small hole on the Pinch Cam, also the small rift on the Pinch Cam should align with the hole on the Pinch Speed Down Gear sa shown in Figure M48.
2. Install the Pressure Roller Unit. Make sure the seats perfectly on to the Pinch Cam, then install the Pinch Cam Cap.

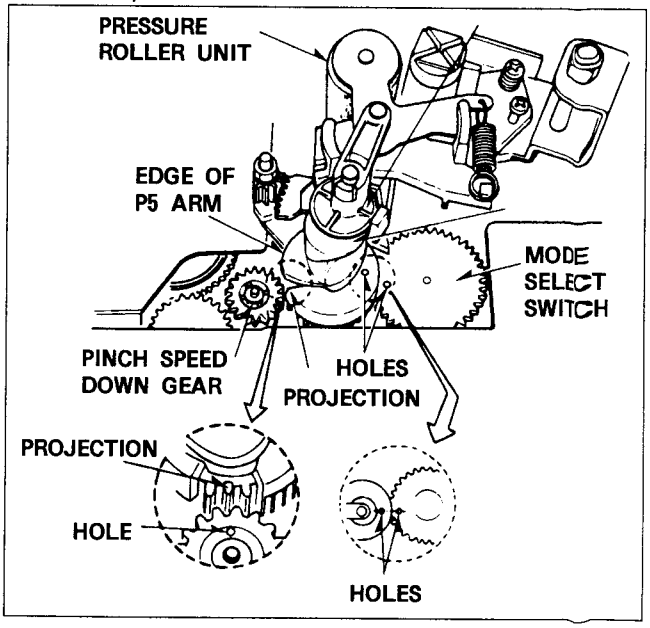


Figure M48

3-7-11. ASSEMBLY PROCEDURES OF GEAR BASE UNIT

1. Install the Gear Base Unit and screw 4 screws (F) as shown in Figure M49.

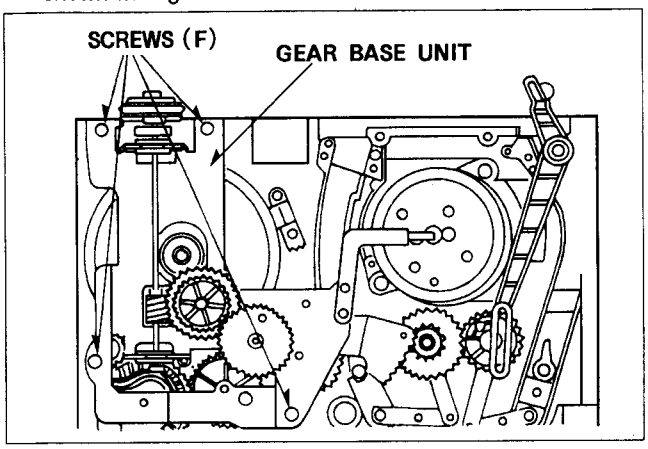


Figure M49

Note: The Gear Base Unit has 2 gears and worm shaft. There is no adjustment for these gears.

3-6-12. REINSTALLATION OF CASSETTE COMPARTMENT

When you reinstall the cassette compartment, the position adjustment of mechanism is necessary for correct operation, as follows.

A. Confirmation of STOP Alignment Condition

1. Turn the Worm shaft counter-clockwise or clockwise until mechanism is placed into the Alignment Condition as following conditions.

   a) Identification hole on the Mode Select Switch at 6 oclock position and aligned with small hole on Pinch Cam. (Figure M48)
   b) P5 Arm is completely loading position and the Inclined Base (S) and (T) are completely unloading position.
   c) Small hole on Sub Cam Gear should align with small hole on the Connection Gear (Figure M46) and rectangular mark on the Connection Gear should be at a 3 oclock position.
   d) Pressure Roller Unit is UP position.

B. Confirmation of Cassette Compartment

1. Confirm that the Cassette Compartment is aligned properly. In the EJECT position (Cassette Holder up and advanced to the front) the two V-shaped marks on the slide switch should align. The slide switch is located on the right side of the Cassette Assembly towards the rear as shown in Figure M50A.

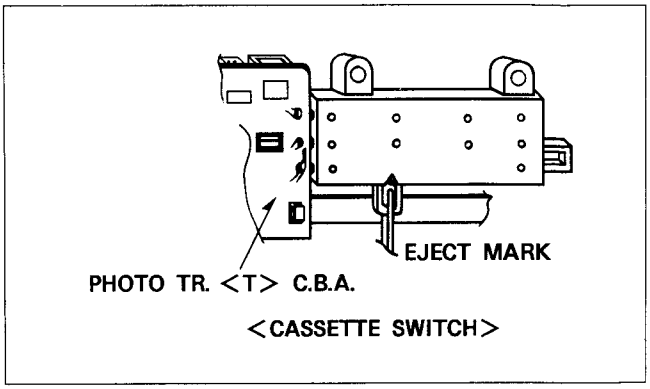


Figure M50-A

2. Remove 3 screws (A) as shown in Figure M50-B.
3. Take the top plate out.
4. Take the cassette Holder unit out as shown in Figure M50-C.

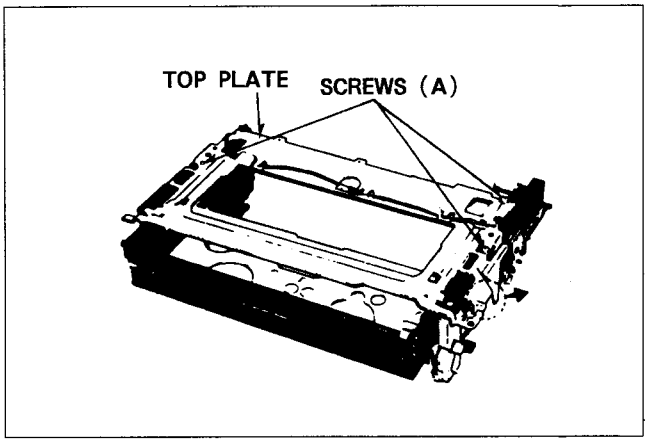


Figure M50-B

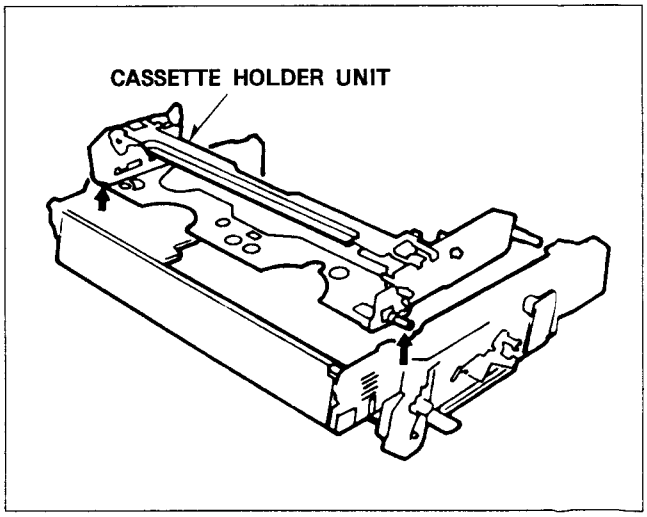


Figure M50-C Removal of Cassette Holder Unit

5. Press the sub wiper arm (R) to direction indicated by arrow so that the sub wiper arm (R) comes to cassette down position (STOP) completely as shown in Figure M50-D and keepit. In this position, the arrow on the Sub Wiper Arm (R) should align with the arrow on the Rack (A)(1) Unit as shown in Figure M50-E.

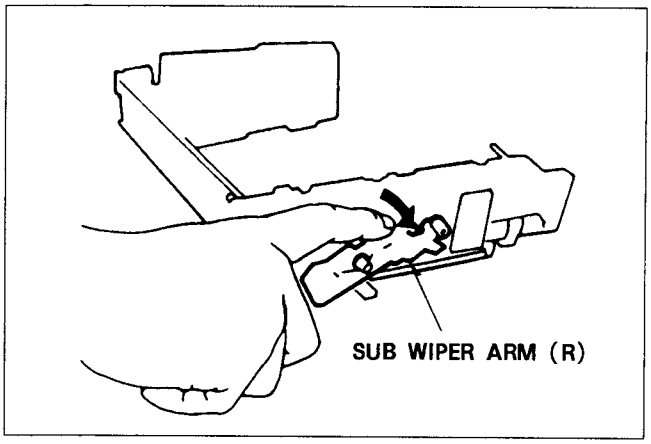


Figure M50-D

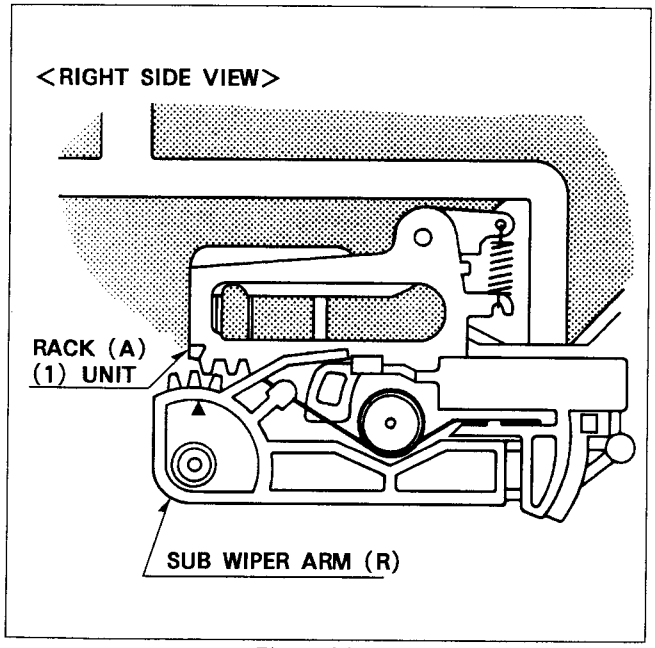


Figure M50-E

6. If the Cassette Compartment is not aligned, realignment may be accomplished by pushing the Main Shaft Unit to the right (gently) and pushing the front of the Rack Unit to the left. This procedure will disengage the teeth of the Rack Gear from the teeth on Sub Wiper Arm assembly.
This will allow you to change the positional relationship between the Sub Wiper Arm Assembly and Rack Unit. This procedure is best attempted in the EJECT position. Once this is done, check for smooth operation of the compartment by inserting a cassette, and pushing in, and down.

C. Installation Procedure

1. Bring loading mechanism to the STOP (Sub-load) position.
2. Confirm that the chassis is aligned properly for Alignment Condition as shown in Figure M39-B and M39-C.
3. Put the Sub Wiper Arm (R) in its full down position (Sub Wiper Arm should rest on plastic protrusion on the bottom of the right side plate).
4. Install the cassette compartment (without cassette holder) to chassis so that the rectangular marking (or slot) on the connection gear should be line up with first tooth of the Rack Gear as shown in Figure M50-F and M50-G.

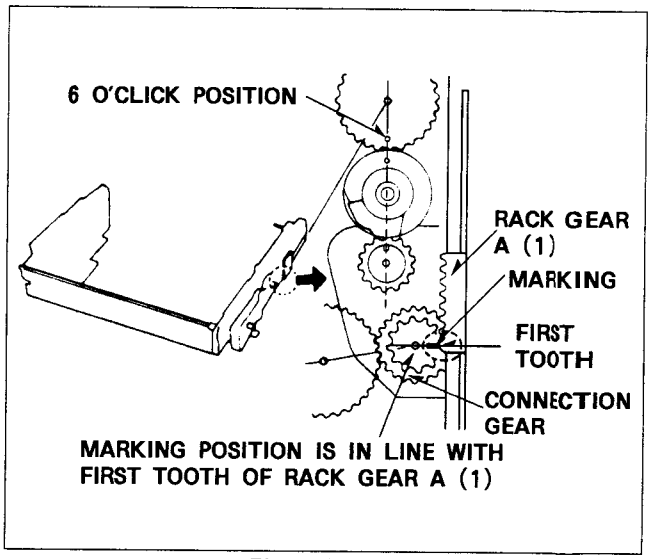


Figure M50-F

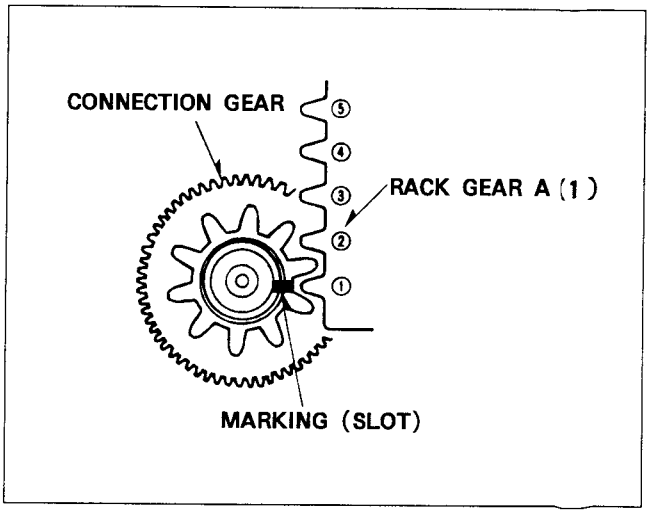


Figure M50-G

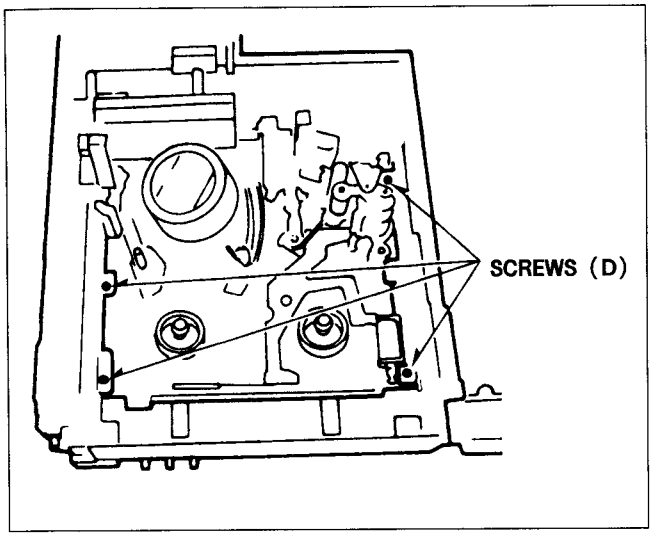


Figure M50-H

5. Tighten the 4 screws (D) as shown in Figure M50-H.
6. Manually move the loading mechanism toward the EJECT position.
7. Stop the manual eject procedure just before completion, so that the Sub Wiper Arms straight up. This position is also characterized by the channel guides (in the Wiper Arms) being directly under the cut outs on the top of the Cassette Compartment base (Figure M50-I).
8. Install the Cassette Holder Unit in the Cassette Compartment Base. The Cassette holder should drop into place if the Sub Wiper Arms are portioned as called for in step 7.

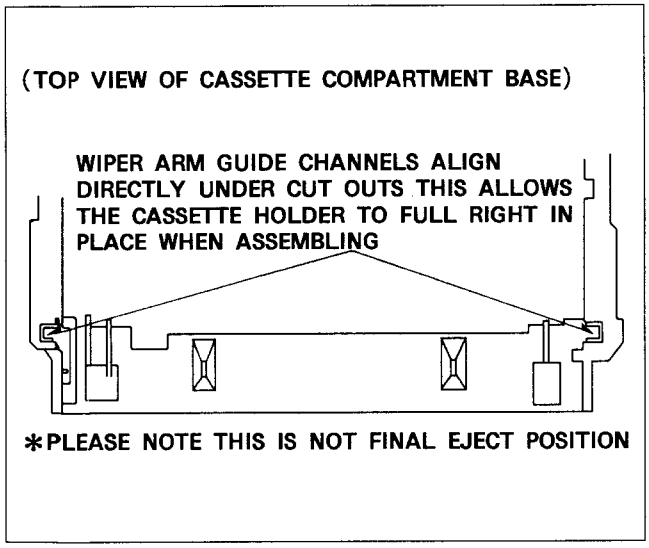


Figure M50-I

Note: For proper front loading, the guide pin on the opener lever should follow the upper track of the right side panel as shown in Figure M50-J.

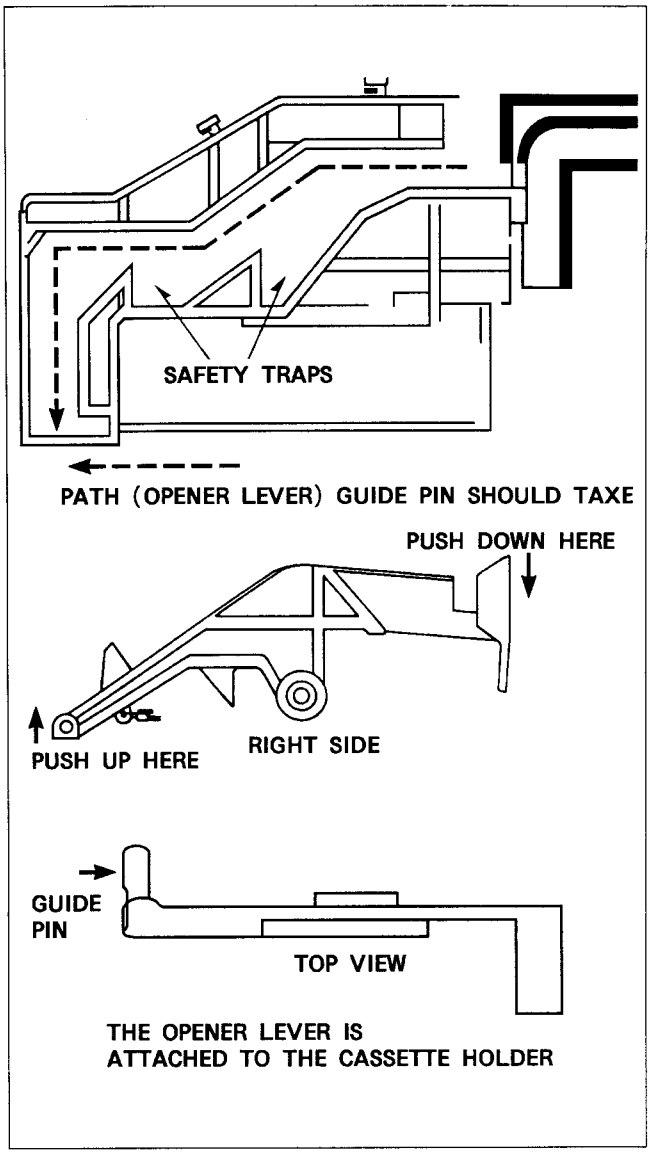


Figure M50-J Right Side Plate

9. Install the top plate on the Cassette Compartment Base and tighten the 3 screws (A) as shown in Figure M50-B.
10. Manually confirm that front loading and main loading run smoothly. Also confirm EJECT before power is applied.

MEMO

SECTION 4

ELECTRICAL ADJUSTMENTS

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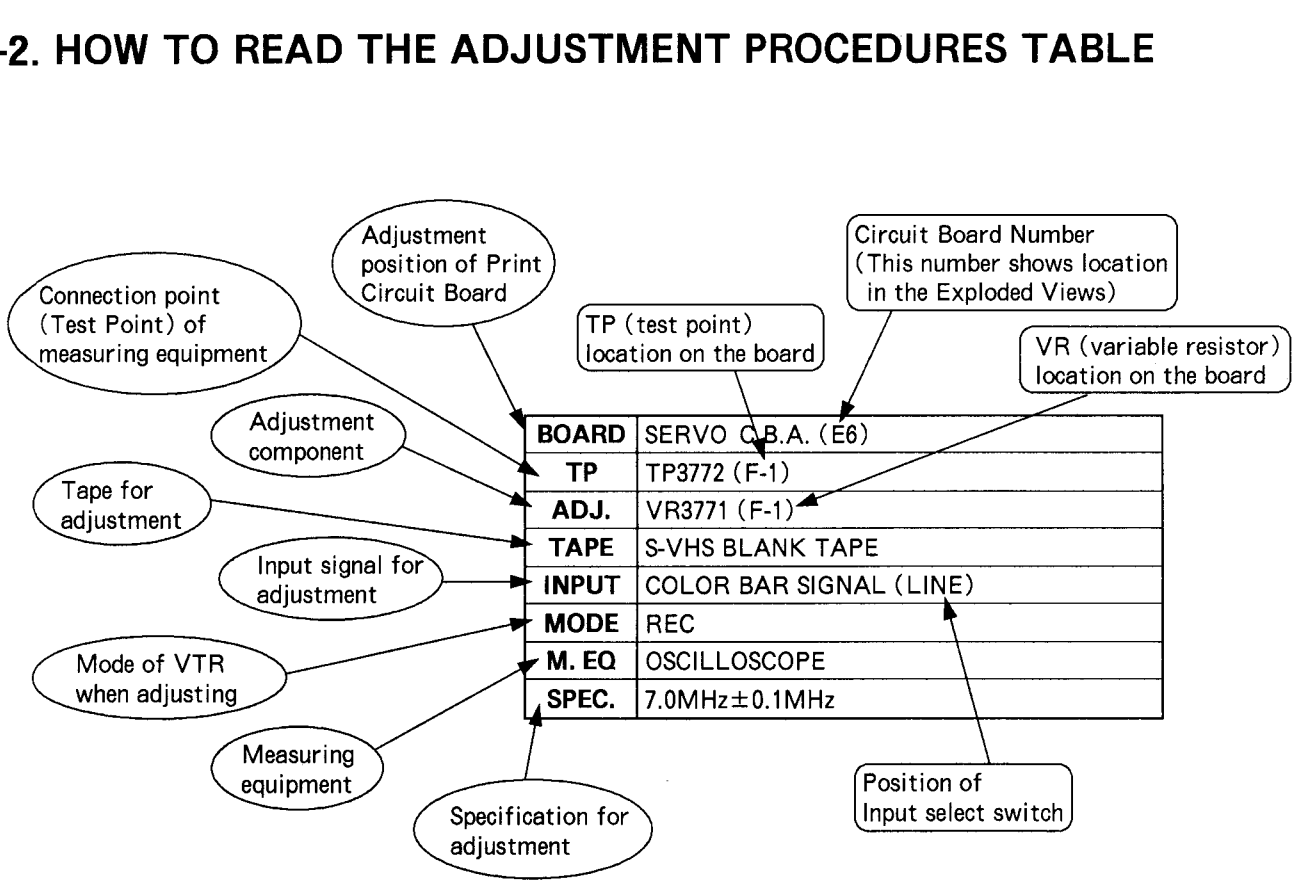
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4-1. TEST & SERVICE EQUIPMENT

No.	EQUIPMENT	CAPACITY
1	D.V.M. (Digital Volt Meter)	0.001 to 50V
2	Dual-Trace Oscilloscope (with Probes)	0.005 to 50V/div, DC to 100MHz (50MHz)
3	Frequency Counter	0 to 10MHz
4	Sinewave Signal Generator (RC Oscillator)	0 to 10MHz
5	Video Sweep Generator	0 to 10MHz
6	Waveform Monitor	
7	Video Signal Generator (Composite, Y/C)	
8	Vector Scope	
9	Color Monitor TV	
10	VHS Alignment Tape (VFM8080HADH)	
11	Extender Board 100P (VFK0941)	
12	Extender Board 64P (VFK0829)	

4-2. HOW TO READ THE ADJUSTMENT PROCEDURES TABLE



4-3. SERVO SECTION

4-3-1. PG SHIFTER ADJ.

BOARD	SERVO & SYSTEM CTL C.B.A. (E3)
TP	TP41003 (H-SW) (G-1): AUDIO (2) C.B.A. TP3004 (VV-Y) (B-1): VIDEO YC C.B.A.
ADJ.	VR2001 (H-5)
TAPE	VFM8180HADH PORTION: 2
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	T=6.5H±0.25H

≪NOTE≫
Tape Interchangeability Adjustment should be always completed before this adjustment.

≪SET UP≫
SYNC: NOR (MENU NO. 1001-00)
FRAME SERVO: OFF (MENU NO. 6005-00)
TRACKING VR: CENTER (FIX)

1. Playback the adjustment tape the portion 2.
2. Connect the oscilloscope to TP3004 for CH-1 and TP41003 for CH-2. (Trigger)
3. Adjust VR2001 so that "T" becomes 6.5H±0.25H as shown in Figure E1.

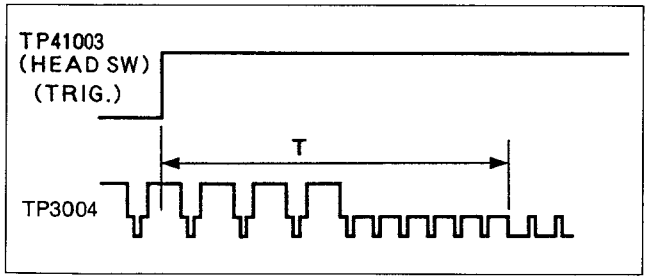


Figure E1

4-3-2. TRACKING FIX ADJ.

BOARD	SERVO & SYSCON CTL C.B.A. (E3)
TP	TP41003 (H-SW) (G-1): AUDIO (2) C.B.A. TP61004 (CTL) (D-1): INTERFACE C.B.A.
ADJ.	VR2003 (H-6)
TAPE	VFM8180HADH PORTION: 2
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	T=0.4msec±0.1msec

≪SET UP≫
SYNC: NOR (MENU NO. 1001-00)
FRAME SERVO: OFF (MENU NO. 6005-00)
TRACKING VR: CENTER (FIX)

1. Playback the adjustment tape the portion 2.
2. Connect the oscilloscope to TP61004 for CH-1 and TP41003 for CH-2.
3. Adjust VR2003 so that the "T" becomes 0.4msec±0.1 msec as shown in Figure E2.

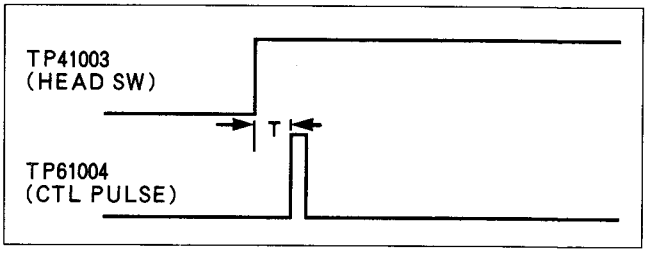


Figure E2

4-4. VIDEO REC SECTION

4-4-1. PEAK ADJ.

BOARD	VIDEO I/O C.B.A. (E5)
TP	TP3007 (B-3)
ADJ.	VR3007 (B-1), VR3008 (A-1), VR3002 (A-3)
TAPE	
INPUT	VIDEO SWEEP (B/W) SIGNAL (TP3003)
MODE	EJECT
M. EQ	OSCILLOSCOPE
SPEC.	MAXIMUM=6.7MHz±0.2MHz

≪NOTE≫
After this adjustment is finished, adjust "4-4-9. S-VHS Deviation Adj." and "4-5-8. S-VHS PB Frequency Response Adj.".

≪SET UP≫
S-VHS REC: ON (MENU NO. 2006)

1. Turn VR3007 and VR3008 fully counterclockwise.
2. Connect a jumper wire between TP3002 and GND.
3. Connect a jumper wire between TP3006 and GND.
4. Supply a video sweep signal as shown in Figure E3-A to TP3003.
5. Connect a scope to TP3007.
6. Adjust VR3002 so that the level at 6.7MHz becomes maximum as shown in Figure E3-B.

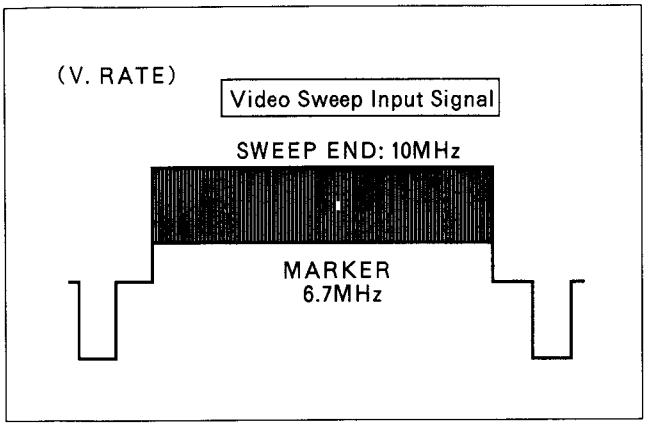


Figure E3-A

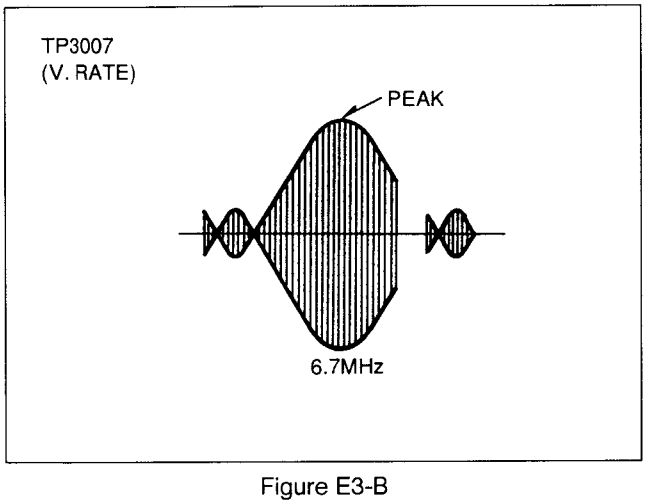


Figure E3-B

4-4-2. SUPPER LIMITER ADJ.

BOARD	VIDEO I/O C.B.A. (E5)
TP	TP3004 (C-3)
ADJ.	VR3001 (A-3)
TAPE	
INPUT	6.7MHz CW SIGNAL (TP3003)
MODE	EJECT
M. EQ	OSCILLOSCOPE
SPEC.	440mV±20mV

≪NOTE≫

This adjustment should be performed only after completion of "4-4-1. Peak Adj.".

After this adjustment is finished, adjust "4-4-9. S-VHS Deviation Adj." and "4-5-8. S-VHS PB Frequency Response Adj.".

≪SET UP≫

S-VHS REC: ON (MENU NO. 2006)

1. Turn VR3007 and VR3008 fully counterclockwise.
2. Connect a jumper wire between TP3002 and GND
3. Connect a jumper wire between TP3006 and GND.
4. Supply a 6.7MHz CW signal to TP3003.
5. Connect a scope to TP3007.
6. Adjust the output level of 6.7MHz CW signal so that the level at TP3007 becomes 90mV as shown in Figure E4-A.
7. Connect a scope to TP3004.
8. Adjust VR3001 so that the level becomes 440mV±20mV as shown in Figure E4-B.

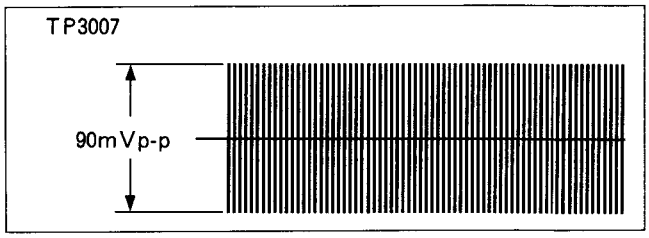


Figure E4-A

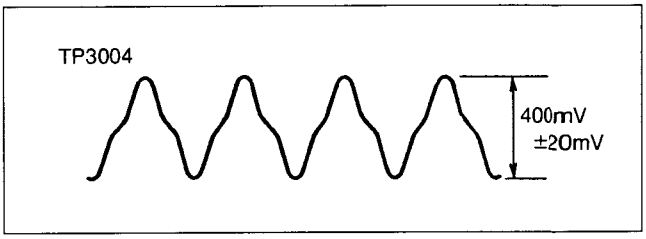


Figure E4-B

4-4-3. FSC ADJ.

BOARD	VIDEO YC C.B.A. (E6)
TP	TP3203 (E-3)
ADJ.	VC3201 (G-1)
TAPE	
INPUT	NO SIGNAL
MODE	EJECT
M. EQ	FREQUENCY COUNTER
SPEC.	F=4.433619MHz±100Hz

1. Connect a jumper wire between TP3205 and GND.
2. Connect the frequency counter to TP3203.
3. Adjust VC3201 so that reading of frequency counter is f=4.433619MHz±100Hz.
4. After this adjustment remove the jumper wire from TP3205 and GND.

4-4-4. VCO ADJ.

BOARD	VIDEO YC C.B.A. (E6)
TP	TP3201 (F-1)
ADJ.	VR3203 (E-1)
TAPE	
INPUT	NO SIGNAL
MODE	EJECT
M. EQ	FREQUENCY COUNTER
SPEC.	F=626.95KHz±5KHz

1. Connect a jumper wire between TP3202, TP3205 and GND.
2. Connect the frequency counter to TP3201.
3. Adjust VR3203 so that reading of frequency counter is f=626.95KHz±5KHz.
4. After this adjustment remove the jumper wire from TP3202, TP3205 and GND.

4-4-5. PILOT BURST ADJ. (AG-7700 only)

BOARD	VIDEO YC C.B.A. (E6)
TP	TP3206 (G-1)
ADJ.	VC3202 (G-2), VR3201 (F-1)
TAPE	
INPUT	20% FLAT FILDE (LINE)
MODE	EJECT (E-E)
M. EQ	VECTOR SCOPE
SPEC.	PHASE: 270±5 DEGREES

≪SET UP≫
S-VHS REC: ON (MENU NO. 2006-01)

1. Supply a 20% flat filde signal to the VIDEO INPUT on the VTR.
2. Connect a jumper wire between TP3207 and GND.
3. Connect the vectorscope to VIDEO OUT.
4. Adjust VC3202 so that the phase of the pilot burst becomes 270 degree±5 degree as shown in Figure E5.
5. Adjust VR3201 so that the level of the pilot burst becomes 10% higher than the colour burst signal as shown in Figure E5.
6. After this adjustment remove the jumper wire from TP3207 and GND.

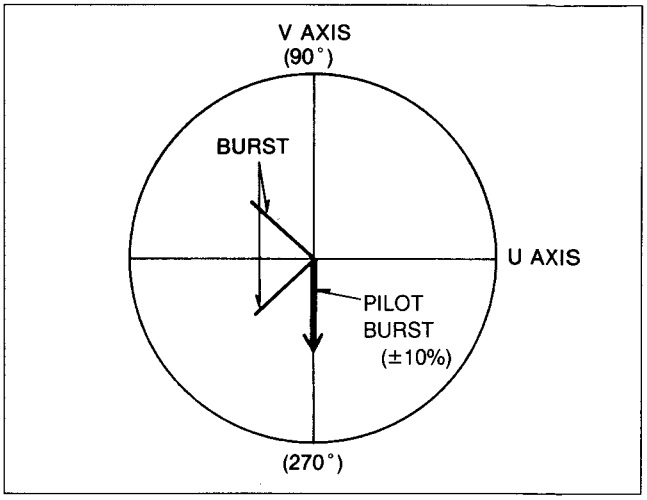


Figure E5

4-4-6. COMPOSITE LEVEL ADJ. (AG-7700 only)

BOARD	YC REC C.B.A. (E13)
TP	TP9601 (A-1)
ADJ.	VR9001 (A-1)
TAPE	
INPUT	COLOUR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M. EQ	OSCILLOSCOPE
SPEC.	1.5Vp-p±0.05Vp-p

≪SET UP≫
VIDEO MODE: AUTO (MENU NO. 2002-01)
INPUT SELECT SW: LINE
VIDEO LEVEL CONTROL: PUSH (AGC: ON)
VIDEO LEVEL VR: CENTER

1. Connect a scope to TP9601 and Adjust VR9001 so that level becomes 1.5Vp-p±0.05Vp-p as shown in Figure E6.

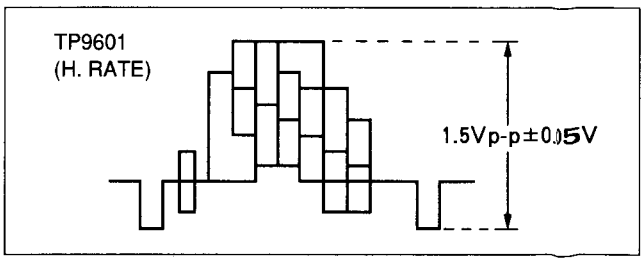


Figure E6

4-4-7. E-E Y LEVEL ADJ. (AG-7700 only)

BOARD	YC REC C.B.A. (E13)
TP	VIDEO OUTPUT (LINE)
ADJ.	VR9106 (B-1)
TAPE	
INPUT	COLOUR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M. EQ	W.F.M.
SPEC.	1.0Vp-p±0.02Vp-p

≪SET UP≫
INPUT SELECT SW: LINE
VIDEO LEVEL CONTROL: PUSH (AGC: ON)

1. Connect a W.F.M. to VIDEO OUTPUT (LINE).
2. Adjust VR9106 so that the level becomes 1.0Vp-p±0.02 Vp-p as shown in Figure E7.

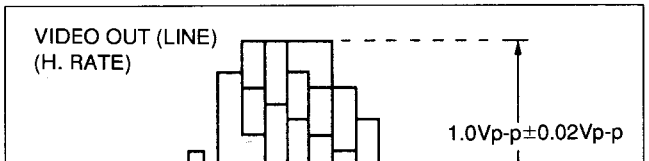


Figure E7

4-4-8. REC SUB EMPHASIS INPUT ADJ. (AG-7700 only)

BOARD	YC REC C.B.A. (E13)
TP	TP3001 (B-1)
ADJ.	VR9232 (F-1)
TAPE	
INPUT	COLOUR BAR SIGNAL (LINE)
MODE	E-E (EJECT)
M. EQ	OSCILLOSCOPE
SPEC.	400mV±8mV

≪NOTE≫
This adjustment should be performed only after completion of 4-4-7 E-E Y Level Adj.

≪SET UP≫
INPUT SELECT SW: LINE
VIDEO LEVEL CONTROL: PUSH (AGC: ON)

1. Connect a scope to TP3001 and Adjust VR9232 so that the level becomes 400mV±8mV as shown in Figure E8.

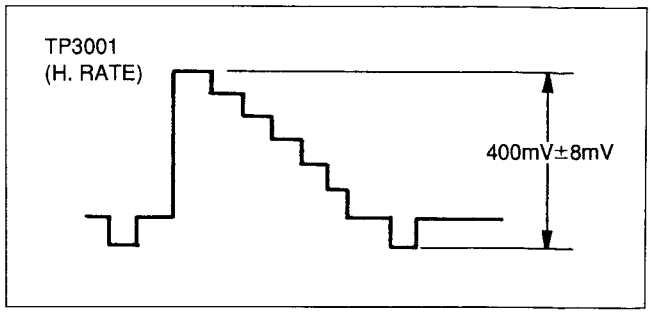


Figure E8

4-4-9. S-VHS DEVIATION ADJ. (AG-7700 only)

BOARD	VIDEO YC C.B.A. (E6)
TP	TP3005 (fϕ) (C-3), VR3001 (DEV.) (A-1)
ADJ.	VR3001 (fϕ) (A-1), VR3007 (DEV.) (B-1)
TAPE	
INPUT	100% COLOUR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M. EQ	FREQUENCY COUNTER, OSCILLOSCOPE
SPEC.	f=5.4MHz±0.05MHz LEVEL=300mV±10mV

≪NOTE≫
After this adjustment is finished, adjust "4-4-11. S-VHS White & Dark Clip Adj.".

≪SET UP≫
S-VHS REC: ON (MENU NO. 2006)
VIDEO LEVEL CONTROL: PUSH (AGC: ON)
INPUT: LINE

1. Supply a 100% colour bar signal to LINE IN.
2. Connect a scope to TP3003.
3. Adjust VR9301 (DC) and VR9302 (WC) on the Y/C REC C.B.A. so that the overshoot becomes minimum as shown in Figure E9-A.

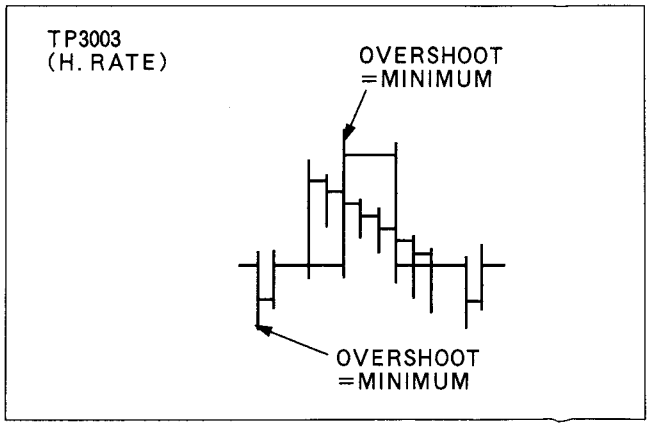


Figure E9-A

4. Disconnect the colour bar signal from LINE IN.
5. Connect a frequency counter to TP3005.
6. Adjust VR3001 so that the frequency becomes 5.4MHz± 0.05MHz.
7. Supply a 100% colour bar signal to LINE IN.
8. Connect a scope to VR3001 as shown in Figure E9-B.
9. Adjust VR3007 so that the level becomes 300mV±10mV as shown in Figure E9-C.

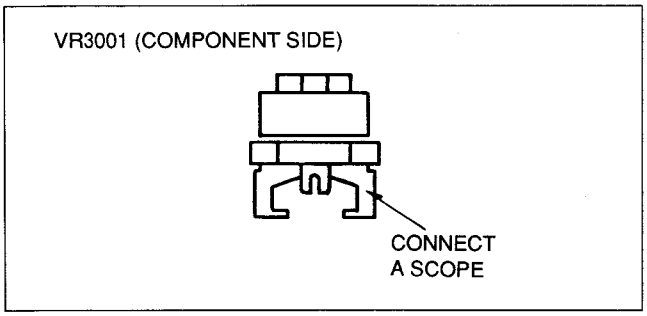


Figure E9-B

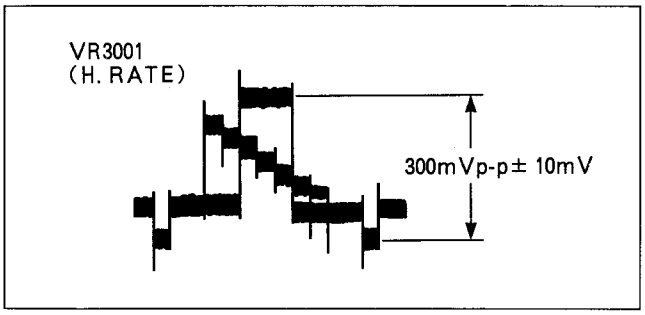


Figure E9-C

4-4-10. VHS DEVIATION ADJ. (AG-7700 only)

BOARD	YC REC C.B.A. (E13), VIDEO YC C.B.A. (E6)
TP	TP3005 (C-3), TP3001 (B-1)
ADJ.	VR3002 (fϕ) (B-2): VIDEO YC C.B.A. VR9202 (DEV.) (F-1): YC REC C.B.A.
TAPE	
INPUT	100% COLOUR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M. EQ	FREQUENCY COUNTER, OSCILLOSCOPE
SPEC.	f=3.8MHz±0.05MHz LEVEL=400mV±10mV

≪SET UP≫
S-VHS REC: OFF
VIDEO LEVEL CONTROL: PUSH (AGC: ON)
INPUT: LINE

1. Disconnect a 100% colour bar signal from LINE IN.
2. Connect a frequency counter to TP3005.
3. Adjust VR3002 so that the frequency becomes 3.8MHz± 0.05MHz.
4. Supply a 100% colour bar signal to LINE IN.
5. Connect a scope to TP3001.
6. Adjust VR9202 on the YC REC C.B.A. so that the level becomes 400mVp-p±10mVp-p as shown in Figure E10.

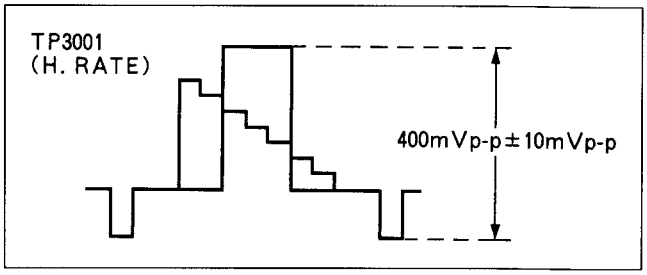


Figure E10

4-4-11. S-VHS WHITE & DARK CLIP ADJ. (AG-7700 only)

BOARD	YC REC C.B.A. (E13)
TP	TP3003 (A-1)
ADJ.	VR9302 (WHITE) (A-1), VR9301 (DARK) (A-1)
TAPE	
INPUT	SIN^2 PULSE & BAR (LINE)
MODE	EJECT (E-E)
M. EQ	OSCILLOSCOPE
SPEC.	WHITE CLIP: 215%±5% DARK CLIP: 70%±5%

≪NOTE≫
This adjustment should be performed only after completion of 4-4-9 S-VHS Deviation Adj.

≪SET UP≫
S-VHS REC: ON (MENU NO. 2006-01)
INPUT SELECT SW: LINE
VIDEO LEVEL CONTROL: PUSH (AGC: ON)

1. Connect a scope to TP3003.
2. Adjust VR9302 so that the white clip level becomes 215%±5% and Adjust VR9301 so that the Dark 70%± 5% as shown in Figure E11.

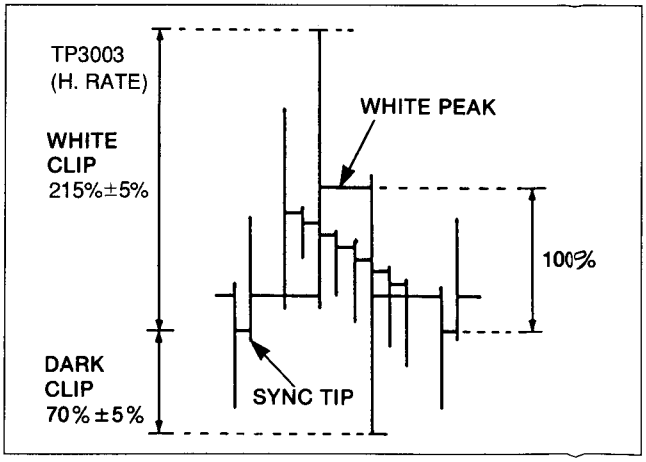


Figure E11

4-4-12. VIDEO METER ADJ. (AG-7700 only)

BOARD	YC REC C.B.A. (E13)
TP	VIDEO LEVEL METER
ADJ.	VR9201 (E-1)
TAPE	
INPUT	COLOUR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M. EQ	
SPEC.	REFER TO FIG (E12)

≪SET UP≫
PB/EE SELECT SW: EE (MENU NO. 2004-01)
VIDEO LEVEL CONTROL: PUSH (AGC: ON)
INPUT SELECT SW: LINE
CH-2 METER: VIDEO* TRACKING

1. Adjust VR9201 so that the needle of VIDEO LEVEL METER becomes at point as shown in Figure E12.

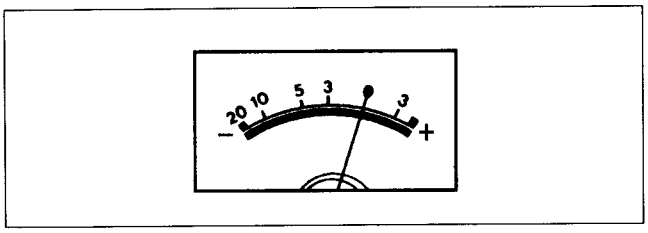


Figure E12

4-4-13. CHROMA REC CURRENT ADJ. (AG-7700 only)

BOARD	HEAD AMP C.B.A. (E15)
TP	TP5003 (HOT) (B-4), TP5002 (GND) (B-4)
ADJ.	VR5002
TAPE	S-VHS BLANK TAPE
INPUT	COLOUR BAR SIGNAL (LINE)
MODE	REC
M. EQ	OSCILLOSCOPE
SPEC.	40mV±2mV

≪SET UP≫
S-VHS REC: ON (MENU NO. 2006-01)
INPUT SELECT SW: LINE
VIDEO LEVEL CONTROL: PUSH (AGC: ON)

1. Turn VR5002 fully clockwise to eliminate Y carrier.
2. Connect the oscilloscope to TP5003 with on 1:1 probe.
3. Adjust VR5002 so that the cyan level becomes 40mV± 2mV as shown in Figure E13.

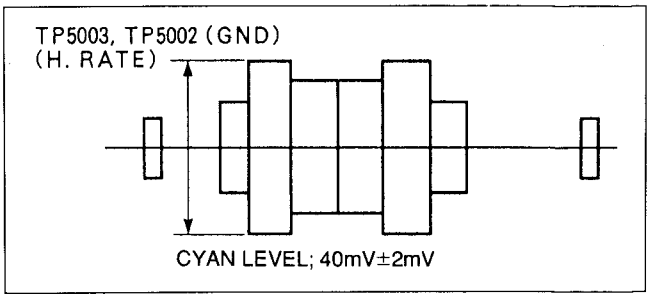


Figure E13

4-4-14. S-VHS Y REC CURRENT ADJ. (AG-7700 only)

BOARD	HEAD AMP C.B.A. (E15)
TP	TP5003 (HOT) (B-4), TP5002 (GND) (B-4)
ADJ.	VR5001
TAPE	S-VHS BLANK TAPE
INPUT	COLOUR BAR SIGNAL (LINE)
MODE	REC
M. EQ	OSCILLOSCOPE
SPEC.	150mV±5mV

≪NOTE≫
The adjustment should be performed only after completion of 4-4-13 Chroma REC Current Adj.

≪SET UP≫
S-VHS REC: ON (MENU NO. 2006-01)
VIDEO LEVEL CONTROL: PUSH (AGC: ON)
INPUT SELECT SW: LINE

1. Connect a oscilloscope to TP5003 with on 1:1 probe.
2. Adjust VR5001 so that the sync tip level becomes 150mV±5mV as shown in Figure E14.

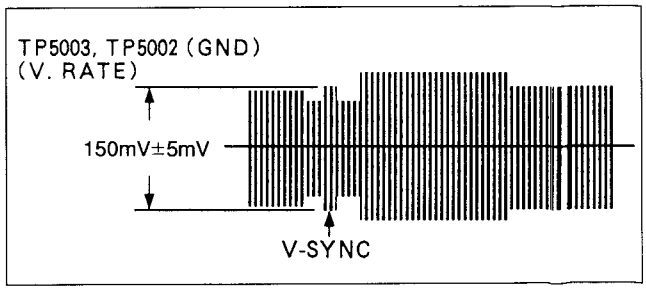


Figure E14

4-4-15. VHS Y REC CURRENT ADJ. (AG-7700 only)

BOARD	VIDEO I/O C.B.A. (E5)
TP	TP5003 (HOT) (B-4) TP5002 (GND) (B-4): HEAD AMP C.B.A.
ADJ.	VR3301
TAPE	VHS BLANK TAPE
INPUT	COLOUR BAR
MODE	REC
M. EQ	OSCILLOSCOPE
SPEC.	160mV±5mV

≪NOTE≫
This adjustment should be performed only after completion of 4-4-13 Chroma REC Current Adj and 4-4-14 S-VHS Y REC Current Adj.

≪SET UP≫
S-VHS REC: OFF
AGC: ON (Push)
VIDEO INPUT: LINE

1. Connect the scope to TP5003 (HOT) and TP5002 (GND) on the Head Amp C.B.A.
2. Adjust VR3301 so that the sync tip level (A) becomes 160mV±5mV as shown in Figure E15.

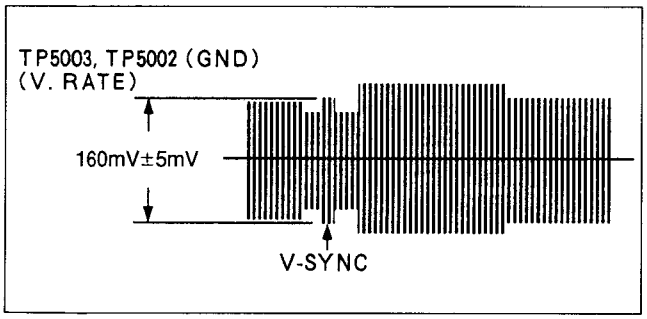


Figure E15

4-5. VIDEO PB SECTION

4-5-1. PB SUB EMPHASIS INPUT LEVEL ADJ.

A. FOR AG-7700

BOARD	VIDEO YC C.B.A. (E6)
TP	TP3001 (B-1)
ADJ.	VR3004 (A-1)
TAPE	C.B SELF RECORDED TAPE (S-VHS)
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	400mV±8mV

≪SET UP≫
S-VHS REC: ON (MENU NO. 2006-01)

1. Connect the oscilloscope to TP3001.
2. Playback the colour for signal self recorded tape by S-VHS mode.
3. Adjust VR3004 so that the level becomes 400mV±8mV as shown in Figure E16.

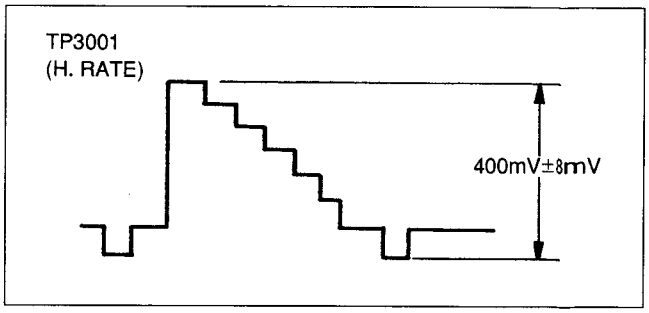


Figure E16

B. FOR AG-7600

BOARD	VIDEO YC C.B.A. (E6)
TP	TP3001 (B-1)
ADJ.	VR3004 (A-1)
TAPE	COLOUR BAR RECORDED TAPE (S-VHS)
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	400mV±8mV

1. Connect the oscilloscope to TP3001.
2. Playback the colour bar signal other recorded tape by S-VHS mode.
3. Adjust VR3004 so that the level becomes 400mV±8mV as shown in Figure E16.

4-5-2. S-VHS PB Y LEVEL ADJ.

A. FOR AG-7700

BOARD	VIDEO YC C.B.A. (E6)
TP	TP3004 (B-1)
ADJ.	VR3006 (C-1)
TAPE	C.B SELF RECORDED TAPE (S-VHS)
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	1.5Vp-p±0.03Vp-p

≪SET UP≫
S-VHS REC: ON (MENU NO. 2006-01)
VIDEO LEVEL CONTROL: PUSH (AGC: ON)

1. Connect the oscilloscope to TP3004.
2. Playback the colour bar signal self recorded tape by S-VHS mode.
3. Adjust VR3006 so that level becomes 1.5Vp-p±0.03 Vp-p as shown in Figure E17.

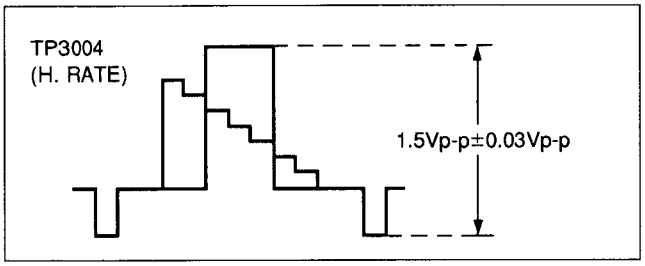


Figure E17

B. FOR AG-7600

BOARD	VIDEO YC C.B.A. (E6)
TP	TP3004 (B-1)
ADJ.	VR3006 (C-1)
TAPE	COLOUR BAR SIGNAL RECORDED TAPE (S-VHS)
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	1.5Vp-p±0.03Vp-p

≪SET UP≫
VIDEO LEVEL CONTROL: PUSH (AGC: ON)

1. Connect the oscilloscope to TP3004.
2. Playback the colour bar signal other recorded tape by S-VHS mode.
3. Adjust VR3006 so that level becomes 1.5Vp-p±0.03 Vp-p as shown in Figure E17.

4-5-3. VHS PB Y LEVEL ADJ.

A. FOR AG-7700

BOARD	VIDEO YC C.B.A. (E6)
TP	TP3004 (B-1)
ADJ.	VR3005 (A-1)
TAPE	C.B SELF RECORDED TAPE (VHS)
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	1.5Vp-p±0.03Vp-p

≪SET UP≫
VIDEO LEVEL CONTROL: PUSH (AGC: ON)

1. Connect the oscilloscope to TP3004.
2. Playback the colour bar signal self recorded tape by VHS mode.
3. Adjust VR3005 so that the level becomes 1.5Vp-p± 0.03Vp-p as shown in Figure E18.

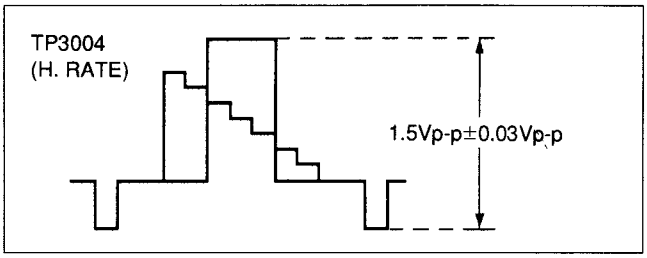


Figure E18

B. FOR AG-7600

BOARD	VIDEO YC C.B.A. (E6)
TP	TP3004 (B-1)
ADJ.	VR3005 (C-1)
TAPE	COLOUR BAR SIGNAL RECORDED TAPE (VHS)
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	1.5Vp-p±0.03Vp-p

≪SET UP≫
VIDEO LEVEL CONTROL: PUSH (AGC: ON)

1. Connect the oscilloscope to TP3004.
2. Playback the colour bar signal other recorded tape by VHS mode.
3. Adjust VR3005 so that level becomes 1.5Vp-p±0.03 Vp-p as shown in Figure E18.

4-5-4. NORMAL Y LEVEL

BOARD	VIDEO I/O C.B.A. (E5)
TP	VIDEO OUT
ADJ.	VR3202 (E-1)
TAPE	C.B SIGNAL RECORDED TAPE
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	LEVEL A=±1%

≪SET UP≫
IMAGE MODE SELECT: NORM (MENU NO. 2001-01)

1. Connect the oscilloscope to VIDEO OUT.
2. Playback the colour bar signal recorded tape.
3. Measure the video out level "A".
4. Change the IMAG MODE SELECT SW from EDIT mode to NORM mode.
5. Adjust VR3202 so that the video out level of the NORM mode is within ±1% to "A".

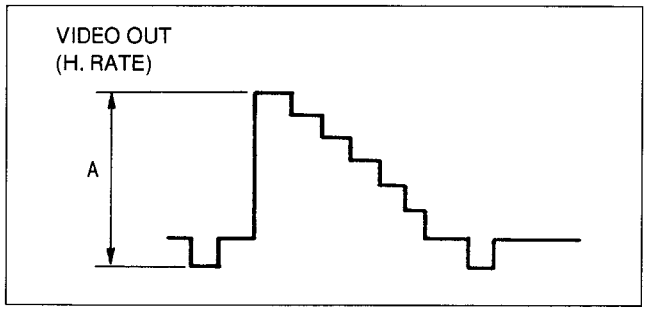


Figure E19

4-5-5. DROP OUT ADJ.

A. FOR AG-7700

BOARD	VIDEO YC C.B.A. (E6)
TP	TP3002 (C-1)
ADJ.	VR3003 (C-3)
TAPE	C.B SELF RECORDED TAPE (S-VHS)
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	MINIMUM

≪SET UP≫
S-VHS REC: ON (MENU NO. 2006-01)
VIDEO LEVEL CONTROL: PUSH (AGC: ON)

1. Connect the oscilloscope to TP3002.
2. Playback the colour bar signal self recorded tape by S-VHS mode.
3. Adjust VR3003 so that the level becomes minimum as shown in Figure E20.

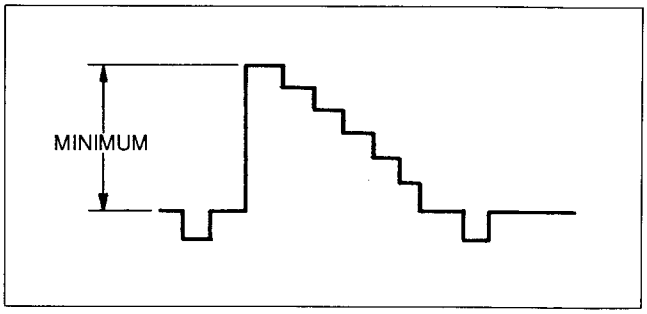


Figure E20

B. FOR AG-7600

BOARD	VIDEO YC C.B.A. (E6)
TP	TP3002 (C-1)
ADJ.	VR3003 (C-3)
TAPE	COLOUR BAR SIGNAL RECORDED TAPE (S-VHS)
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	MINIMUM

≪SET UP≫
VIDEO LEVEL CONTROL: PUSH (AGC: ON)

1. Connect the oscilloscope to TP3002.
2. Playback the colour bar signal other recorded tape by S-VHS mode.
3. Adjust VR3003 so that level becomes minimum as shown in Figure E20.

4-5-6. VIDEO TRACKING METER ADJ.

A. FOR AG-7700

BOARD	VIDEO I/O C.B.A. (E5)
TP	VIDEO TRACKING METER
ADJ.	VR3003 (B-1)
TAPE	C.B SELF RECORDED TAPE (S-VHS)
INPUT	
MODE	PLAYBACK
M. EQ	
SPEC.	REFER TO FIG E21

≪SET UP≫
S-VHS REC: ON (MENU NO. 2006-01)
CH-2 METER SW: VIDEO * TRACKING

1. Playback the colour bar signal self recorded tape by S-VHS mode.
2. Adjust VR3003 so that the needle of VIDEO TRACKING METER becomes at point as shown in Figure E21.

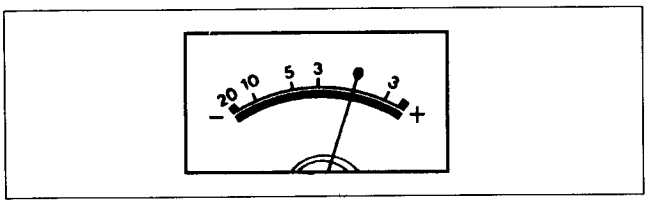


Figure E21

B. FOR AG-7600

BOARD	VIDEO I/O C.B.A. (E5)
TP	VIDEO TRACKING METER
ADJ.	VR3003 (B-1)
TAPE	COLOUR BAR SIGNAL RECORDED TAPE (S-VHS)
INPUT	
MODE	PLAYBACK
M. EQ	
SPEC.	REFER TO FIG E21

≪SET UP≫
CH2 METER SW: VIDEO * TRACKING

1. Playback the colour bar signal other recorded tape by S-VHS mode.
2. Adjust VR3003 so that the needle of VIDEO TRACKING METER becomes at point as shown in Figure E21.

4-5-7. PB OUTPUT Y LEVEL

A. FOR AG-7700

BOARD	VIDEO I/O C.B.A. (E5)
TP	VIDEO OUT (75Ω)
ADJ.	VR3201 (E-1)
TAPE	C.B SELF RECORDED TAPE (S-VHS)
INPUT	
MODE	PLAYBACK
M. EQ	W.F.M
SPEC.	1.0Vp-p±0.02Vp-p

≪NOTE≫
VIDEO OUT should be 75Ω terminated.

≪SET UP≫
IMAGE MODE SELECT: NOR (MENU NO. 2001-00)
S-VHS REC: ON (MENU NO. 2006-01)
VIDEO CONTROL LEVEL: PUSH (AGC: ON)

1. Connect the waveform monitor to VIDEO OUT.
2. Playback the colour bar signal self recorded tape by S-VHS mode.
3. Adjust VR3201 so that the Y level becomes 1.0Vp-p± 0.02Vp-p as shown in Figure E22.

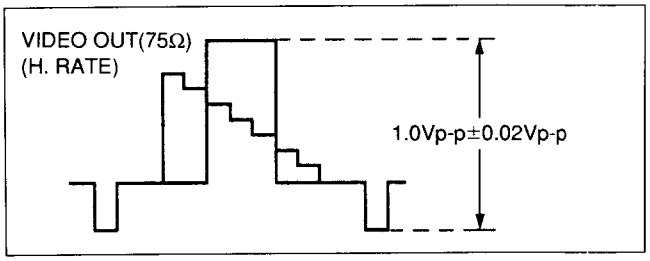


Figure E22

B. FOR AG-7600

BOARD	VIDEO I/O C.B.A. (E5)
TP	VIDEO OUT (75Ω)
ADJ.	VR3201 (E-1)
TAPE	COLOUR BAR SIGNAL RECORDED TAPE (S-VHS)
INPUT	
MODE	PLAYBACK
M. EQ	W.F.M
SPEC.	1.0Vp-p±0.02Vp-p

≪NOTE≫
VIDEO OUT should be 75Ω terminated.

≪SET UP≫
IMAGE MODE SELECT: NOR (MENU NO. 2001-00)
VIDEO CONTROL LEVEL SW: PUSH (AGC: ON)

1. Connect the waveform monitor to VIDEO OUT.
2. Playback the colour bar signal other recorded tape by S-VHS.
3. Adjust VR3201 so that the Y level becomes 1.0Vp-p± 0.02Vp-p as shown in Figure E22.

4-5-8. S-VHS PB FREQUENCY RESPONSE ADJ.

A. FOR AG-7700

BOARD	VIDEO I/O C.B.A. (E5)
TP	VIDEO OUT
ADJ.	VR3007 (B-1), VR3008 (A-1)
TAPE	30% VIDEO SWEEP (B/W) SIGNAL SELF RECORDED TAPE
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	100KHz:4MHz=5:3±0.5

≪SET UP≫
IMAGE MODE SELECT: EDIT (MENU NO. 2001-01)
S-VHS REC: ON (MENU NO. 2006-01)

1. Playback the 30% sweep signal (Fig. E23-A) self recorded tape by S-VHS mode.
   (Vary the vertical scope setting until the 100KHz level reaches 5 divisions)
2. Connect the oscilloscope to VIDEO OUT.
3. Adjust VR3007 (L CH) and VR3008 (R CH) so that the level becomes as shown in Figure E23-B.

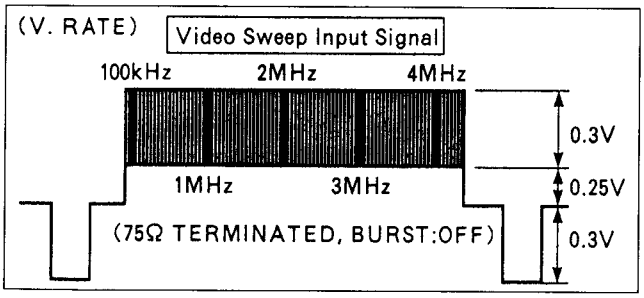


Figure E23-A

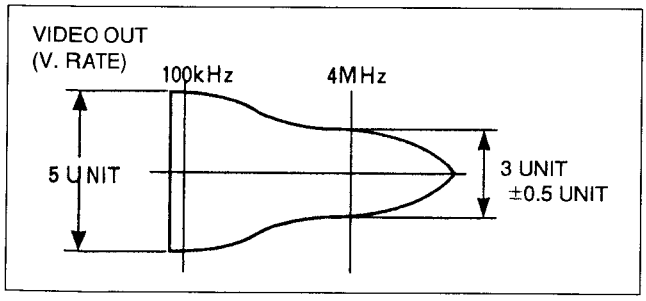


Figure E23-B

B. FOR AG-7600

BOARD	VIDEO I/O C.B.A. (E5)
TP	VIDEO OUT
ADJ.	VR3007 (B-1), VR3008 (A-1)
TAPE	30% VIDEO SWEEP (B/W) SIGNAL OTHER RECORDED TAPE
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	100KHz:4MHz=5:3±0.5

≪SET UP≫
IMAGE MODE SELECT: EDIT (MENU NO. 2001-01)

1. Playback the 30% sweep signal (Fig. E23-A) other recorded tape by S-VHS mode.
   (Vary the vertical scope setting until the 100KHz level reaches 5 divisions)
2. Connect the oscilloscope to VIDEO OUT.
3. Adjust VR3007 (L CH) and VR3008 (R CH) so that the level becomes as shown in Figure E23-B.

4-5-9. S-VHS SS FREQUENCY RESPONSE ADJ.

≪NOTE≫
This adjustment should be performed only after completion of 4-5-8 S-VHS PB Frequency Response Adj.

A. FOR AG-7700

BOARD	VIDEO I/O C.B.A. (E5)
TP	VIDEO OUT
ADJ.	VR3005 (L CH), VR3006 (R CH)
TAPE	30% VIDEO SWEEP (B/W) SIGNAL SELF RECORDED TAPE (S-VHS)
INPUT	
MODE	JOG
M. EQ	OSCILLOSCOPE
SPEC.	FIG E24

≪SET UP≫
IMAGE MODE SELECT: EDIT (MENU NO. 2001-01)
S-VHS REC: ON (MENU NO. 2006-01)

1. Playback the 30% sweep signal (Fig. E23-A) self recorded tape by S-VHS mode.
2. Connect the oscilloscope to VIDEO OUT.
3. Place the deck in JOG mode. (Vary the vertical scope seeting until the 100KHz level reaches 5 divisions)
4. Adjust VR3005 and VR3006 so that the L', R' level becomes as shown in Figure E24.

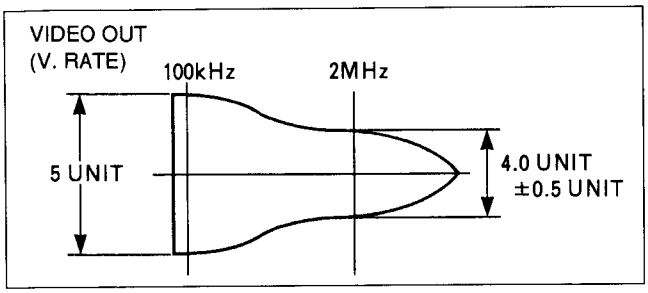


Figure E24

B. FOR AG-7600

BOARD	VIDEO I/O C.B.A. (E5)
TP	VIDEO OUT
ADJ.	VR3005 (L CH), VR3006 (R CH)
TAPE	30% VIDEO SWEEP (B/W) SIGNAL OTHER RECORDED TAPE (S-VHS)
INPUT	
MODE	JOG
M. EQ	OSCILLOSCOPE
SPEC.	FIG E24

≪SET UP≫
IMAGE MODE SELECT: EDIT (MENU NO. 2001-01)

1. Playback the 30% sweep signal (Fig. E23-A) other recorded tape by S-VHS mode.
2. Connect the oscilloscope to VIDEO OUT.
3. Place the deck in JOG mode. (Vary the vertical scope setting until the 100KHz level reaches 5 divisions)
4. Adjust VR3005 and VR3006 so that the L', R' level becomes as shown in Figure E24.

4-5-10. VHS PB FREQUENCY RESPONSE ADJ.

A. FOR AG-7700

BOARD	VIDEO I/O C.B.A. (E5)
TP	VIDEO OUT
ADJ.	VR3004 (B-1)
TAPE	30% VIDEO SWEEP (B/W) SIGNAL SELF RECORDED TAPE
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	100KHz:2MHz=5:4±0.5

≪NOTE≫
When you recorded the 30% video sweep signal, set the IMAGE MODE SELECT to EDIT.

≪SET UP≫
IMAGE MODE SELECT: EDIT (MENU NO. 2001-01)
S-VHS REC: OFF (MENU NO. 2006-00)

1. Playback the 30% sweep signal (Figure E23-A) self recorded tape by VHS mode. (Vary the vertical scope setting until the 100kHz level reaches 5 divisions)
2. Connect the oscilloscope to VIDEO OUT.
3. Adjust VR3007 so that the level becomes as shown in Figure E25.

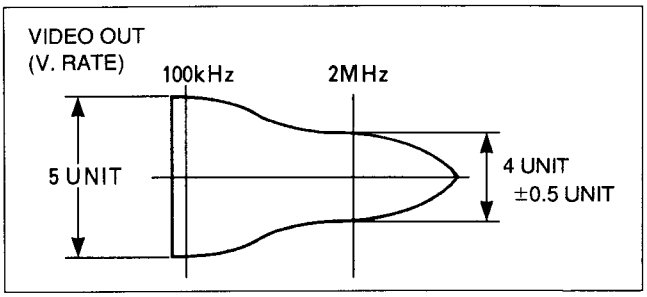


Figure E25

B. FOR AG-7600

BOARD	VIDEO I/O C.B.A. (E5)
TP	VIDEO OUT
ADJ.	VR3004 (B-1)
TAPE	30% VIDEO SWEEP (B/W) SIGNAL OTHER RECORDED TAPE
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	100KHz:2MHz=5:4±0.5

≪SET UP≫
IMAGE MODE SELECT: EDIT (MENU NO. 2001-01)

1. Playback the 30% sweep signal (Fig. E23-A) other recorded tape by VHS mode. (Vary the vertical scope setting until the 100KHz level reaches 5 divisions)
2. Connect the oscilloscope to VIDEO OUT.
3. Adjust VR3004 so that the level becomes as shown in Figure E25.

4-5-11. CNR Y BALANCE ADJ.

A. FOR AG-7700

BOARD	VIDEO YC C.B.A. (E6)
TP	TP3402
ADJ.	VR3401 (F-1)
TAPE	C.B SELF RECORDED TAPE
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	"A"=LESS THAN 50mVp-p

≪SET UP≫
IMAGE MODE SELECT: NOR (MENU NO. 2001-00)
S-VHS REC: ON (MENU NO. 2006-01)
INPUT SELECT SW: LINE

1. Connect the oscilloscope to TP3402.
2. Playback the colour bar signal self recorded tape by S-VHS mode.
3. Adjust VR3401 so that the level becomes minimum as possible (less than 50mVp-p) as shown in Figure E26.

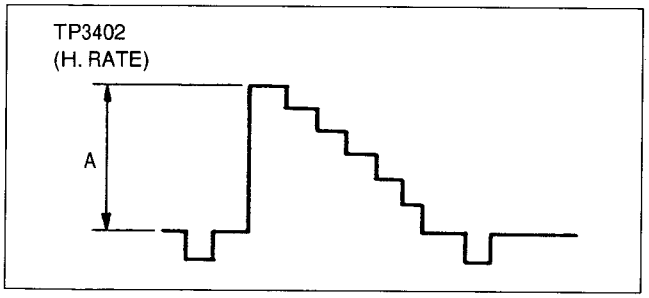


Figure E26

B. FOR AG-7600

BOARD	VIDEO YC C.B.A. (E6)
TP	TP3402 (D-1)
ADJ.	VR3401 (F-1)
TAPE	COLOUR BAR SIGNAL RECORDED TAPE (S-VHS)
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	A=MINIMUM

≪SET UP≫
IMAGE MODE SELECT: NOR (MENU NO. 2001-00)

1. Connect the oscilloscope to TP3402.
2. Playback the colour bar signal self recorded tape by S-VHS mode.
3. Adjust VR3401 so that the level "A" becomes minimum as possible (less than 50mVp-p) as shown in Figure E26.

4-5-12. CNR ADJ.

A. FOR AG-7700

BOARD	VIDEO YC C.B.A. (E6)
TP	TP3403 (D-1)
ADJ.	VR3402 (E-3), VR3403 (E-3)
TAPE	C.B SELF RECORDED TAPE
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	"A"=LESS THAN 700mVp-p

≪NOTE≫
This adjustment should be performed only after completion of 4-5-11 CNR Y Balance Adj.

≪SET UP≫
IMAGE MODE SELECT: NOR (MENU NO. 2001-00)
S-VHS REC: ON (MENU NO. 2006-01)

1. Connect the oscilloscope to TP3403.
2. Playback the colour bar signal self recorded tape by S-VHS mode.
3. Adjust VR3402 and VR3403 mutually so that chroma signal becomes minimum as possible (less than 700 mVp-p) as shown in Figure E27.

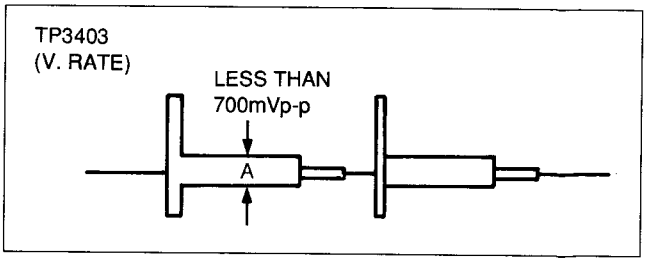


Figure E27

B. FOR AG-7600

BOARD	VIDEO YC C.B.A. (E6)
TP	TP3403 (D-3)
ADJ.	VR3402 (E-3), VR3403 (E-3)
TAPE	COLOUR BAR SIGNAL RECORDED TAPE
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	"A"=MINIMUM

≪NOTE≫
This adjustment showld be performed only after completion of 4-5-10 CNR Y Balance Adj.

≪SET UP≫
IMAGE MODE SELECT: NOR (MENU NO. 2001-00)
S-VHS REC: ON (MENU NO. 2006-01)

1. Connect the oscilloscope to TP3403.
2. Playback the colour bar signal other recorded tape by S-VHS mode.
3. Adjust VR3402 and VR3403 mutually so that chroma signal becomes minimum (less than 700mVp-p) as shown in Figure E27.

4-5-13. CAC WHITE BALANCE ADJ.

A. FOR AG-7700

BOARD	VIDEO YC C.B.A. (E6)
TP	VIDEO OUT (75Ω)
ADJ.	VR3406 (E-1), VR3410 (C-1)
TAPE	C.B SELF RECORDED TAPE (S-VHS)
INPUT	
MODE	PLAYBACK
M. EQ	VECTOR SCOPE
SPEC.	REFER TO FIG E28

≪NOTE≫
Input of the vectorscope should be 75Ω terminated.

≪SET UP≫
IMAGE MODE SELECT: NOR (MENU NO. 2001-00)
S-VHS REC: ON (MENU NO. 2006-01)

1. Playback the colour bar signal self recorded tape by S-VHS mode.
2. Connect the vectorscope to VIDEO OUT and adjust VR3406 and VR3410 so that the point "C" becomes center as shown in Figure E28.

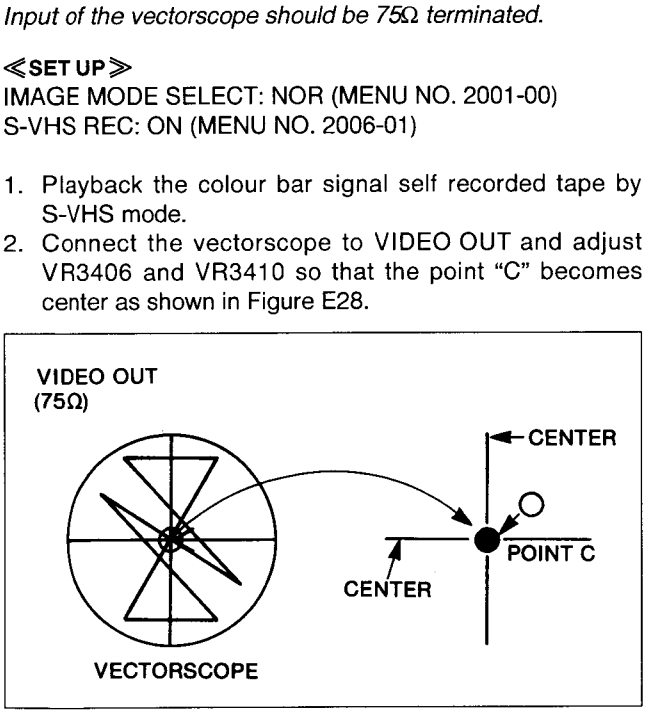


Figure E28

B. FOR AG-7600

BOARD	VIDEO YC C.B.A. (E6)
TP	VIDEO OUT (75Ω)
ADJ.	VR3406 (E-1), VR3410 (C-1)
TAPE	COLOUR BAR SIGNAL RECORDED TAPE (S-VHS)
INPUT	
MODE	PLAYBACK
M. EQ	VECTOR SCOPE
SPEC.	REFER TO FIG E28

≪NOTE≫
Input of the vectorscope showld be 75Ω terminated.

≪SET UP≫
IMAGE MODE SELECT: NOR (MENU NO. 2001-00)

1. Playback the colour bar signal other recorded tape by S-VHS mode.
2. Connect the vectorscope to VIDEO OUT and adjust VR3406 and VR3410 so that the point "C" becomes center as shown in Figure E28.

4-5-14. EE CHROMA LEVEL ADJ. (AG-7700 only)

BOARD	VIDEO YC C.B.A. (E6)
TP	VIDEO OUT (75Ω)
ADJ.	VR3405 (C-1)
TAPE	
INPUT	COLOUR BAR SIGNAL (LINE)
MODE	E-E
M. EQ	OSCILLOSCOPE
SPEC.	0.65Vp-p±0.03Vp-p

≪NOTE≫
VIDEO OUT should be 75Ω terminated.

≪SET UP≫
VIDEO CONTROL LEVEL: PUSH (AGC: ON)
VIDEO INPUT SW: LINE

1. Connect the oscilloscope to VIDEO OUT.
2. Adjust VR3405 so that the cyan level becomes 0.65 Vp-p±0.03Vp-p as shown in Figure E29.

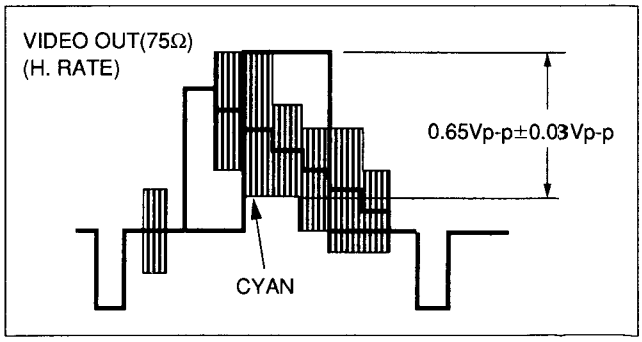


Figure E29

4-5-15. VV CHROMA LEVEL ADJ.

A. FOR AG-7700

BOARD	VIDEO YC C.B.A. (E6)
TP	VIDEO OUT (75Ω)
ADJ.	VR3404 (C-1)
TAPE	C.B SELF RECORDED TAPE (S-VHS)
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	0.62Vp-p±0.03Vp-p

≪NOTE≫
VIDEO OUT should be 75Ω terminated.

≪SET UP≫
IMAGE MODE SELECT: EDIT (MENU NO. 2001-01)
S-VHS REC: ON (MENU NO. 2006-01)

1. Connect the oscilloscope to VIDEO OUT.
2. Playback the colour bar signal self recorded tape by S-VHS mode.
3. Adjust VR3404 so that the cyan level becomes 0.62 Vp-p±0.05Vp-p as shown in Figure E30-A.

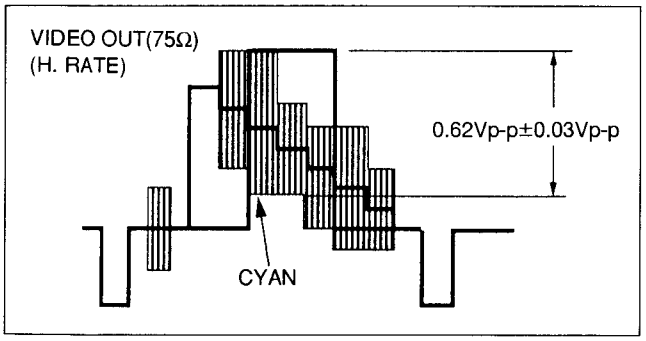


Figure E30-A

B. FOR AG-7600

BOARD	VIDEO YC C.B.A. (E6)
TP	VIDEO OUT (75Ω)
ADJ.	VR3404 (C-1)
TAPE	COLOUR BAR SIGNAL RECORDED TAPE (S-VHS)
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	0.62Vp-p±0.03Vp-p

≪NOTE≫
VIDEO OUT should be 75Ω terminated.

≪SET UP≫
IMAGE MODE SELECT: EDIT (MENU NO. 2001-01)

1. Connect the oscilloscope to VIDEO OUT.
2. Playback the colour bar signal other recorded tape by S-VHS mode.
3. Adjust VR3404 so that the cyan level becomes 0.62 Vp-p±0.03Vp-p as shown in Figure E30-B.

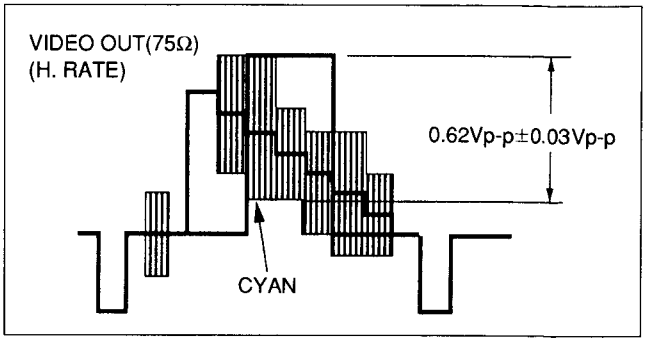


Figure E30-B

4-5-16. CAC LEVEL ADJ.

A. FOR AG-7700

BOARD	VIDEO YC C.B.A. (E6)
TP	VIDEO OUT (75Ω)
ADJ.	VR3407 (D-1)
TAPE	C.B SELF RECORDED TAPE (S-VHS)
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	0.65Vp-p±0.03Vp-p

≪NOTE≫
This adjustment should be performed only after completion of 4-5-15, VV Chroma Level Adj.
VIDEO OUT should be 75Ω terminated.

≪SET UP≫
IMAGE MODE SELECT: NOR (MENU NO. 2001-01)
S-VHS REC: ON (MENU NO. 2006-01)

1. Connect the oscilloscope to VIDEO OUT.
2. Playback the colour bar signal self recorded tape by S-VHS mode.
3. Adjust VR3407 so that the cyan level becomes 0.65 Vp-p±0.03Vp-p as shown in Figure E31.

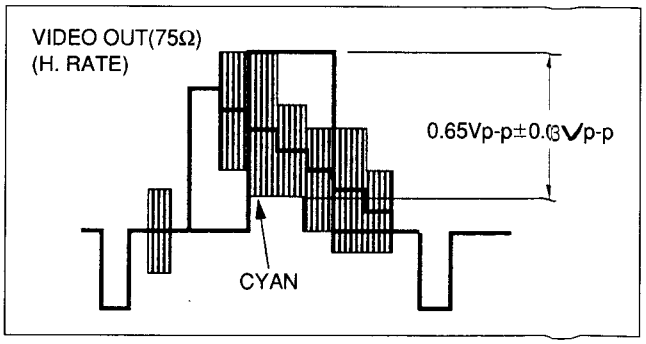


Figure E31

B. FOR AG-7600

BOARD	VIDEO YC C.B.A. (E6)
TP	VIDEO OUT (75Ω)
ADJ.	VR3407 (D-1)
TAPE	C.B SELF RECORDED TAPE (S-VHS)
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	0.65Vp-p±0.03Vp-p

≪NOTE≫
This adjustment should be performed only after completion of 4-5-14, VV Chroma Level Adj.
VIDEO OUT should be 75Ω terminate.

≪SET UP≫
IMAGE MODE SELECT: NOR (MENU NO. 2001-00)
S-VHS REC: ON (MENU NO. 2006-01)

1. Connect the oscilloscope to VIDEO OUT.
2. Playback the colour bar signal other recorded tape by S-VHS mode.
3. Adjust VR3407 so that the cyan level becomes 0.65 Vp-p±0.03Vp-p as shown in Figure E31.

4-5-17. VV BURST ERROR ADJ.

A. FOR AG-7700

BOARD	VIDEO YC C.B.A. (E6)
TP	VIDEO OUT (75Ω)
ADJ.	VR3202 (F-1)
TAPE	C.B SELF RECORDED TAPE (S-VHS)
INPUT	
MODE	PLAYBACK
M. EQ	VECTOR SCOPE
SPEC.	90±2 DEGREES

≪NOTE≫
VIDEO OUT should be 75Ω terminate.

≪SET UP≫
IMAGE MODE SELECT: EDIT (MENU NO. 2001-01)
S-VHS REC: ON (MENU NO. 2006-01)

1. Connect the oscilloscope to VIDEO OUT.
2. Adjust VR3202 so that the angle of two burst becomes 90±2 degrees as shown in Figure E32.

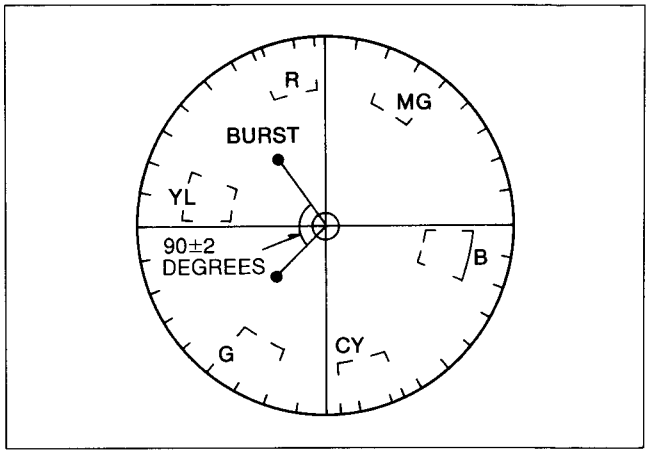


Figure E32

B. FOR AG-7600

BOARD	VIDEO YC C.B.A. (E6)
TP	VIDEO OUT (75Ω)
ADJ.	VR3202 (F-1)
TAPE	COLOUR BAR RECORDED TAPE (S-VHS)
INPUT	
MODE	PLAYBACK
M. EQ	VECTOR SCOPE
SPEC.	90±2 DEGREES

≪NOTE≫
VIDEO OUT should be 75Ω terminate.

≪SET UP≫
IMAGE MODE SELECT: EDIT (MENU NO. 2001-01)

1. Connect the oscilloscope to VIDEO OUT.
2. Adjust VR3202 so that the angle of two burst becomes 90±2 degrees as shown in Figure E32.

4-5-18. BURST LEVEL ADJ.

A. *FOR AG-7700*

BOARD	VIDEO YC C.B.A. (E6)
TP	VIDEO OUT (75Ω)
ADJ.	VR3207 (E-1), VR3206 (E-1)
TAPE	C.B SELF RECORDED TAPE (S-VHS)
INPUT	
MODE	PLAYBACK
M. EQ	VECTOR SCOPE AND OSCILLOSCOPE
SPEC.	REFER TO FIG E33-A, E33-B

≪NOTE≫
VIDEO OUT should be 75Ω terminate.

≪SET UP≫
IMAGE MODE SELECT: EDIT (MENU NO. 2001-01)
S-VHS REC: ON (MENU NO. 2006-01)

1. Playback the colour bar signal self recorded tape by S-VHS mode.
2. Connect the vectorscope to VIDEO OUT.
3. Adjust VR3206 so that the vector dot of magenta becomes in the innerbox as shown in Figure E33-A.
4. Connect the oscilloscope to VIDEO OUT.

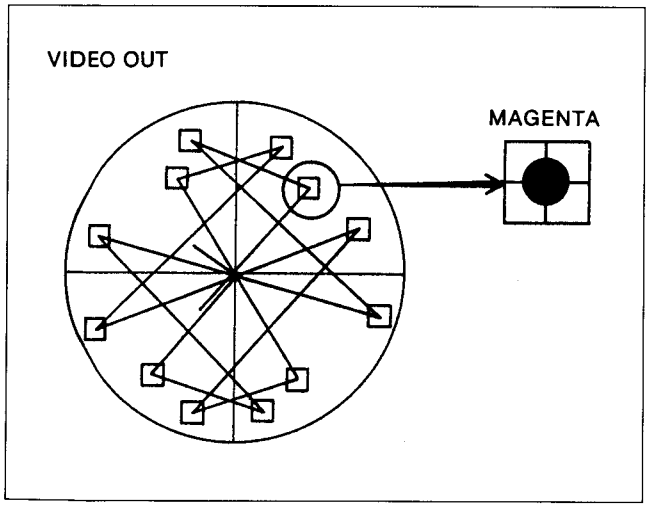


Figure E33-A

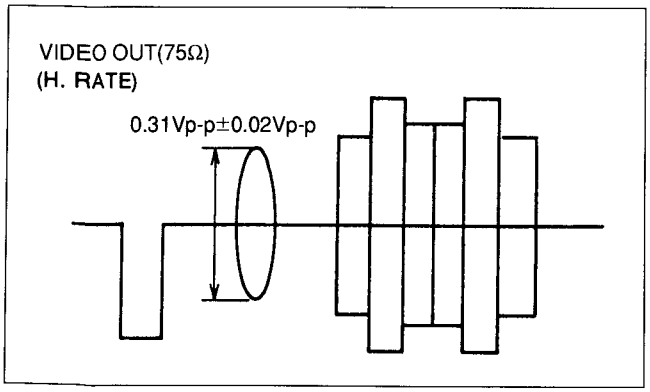


Figure E33-B

5. Adjust VR3207 so that the burst level becomes 0.31Vp-p ±0.02Vp-p as shown in Figure E33-B.
6. After completion of the burst level (VR3207), comfirm that the vector dot of magenta is in the innerbox, if not repeat steps 3, 5.

B. *FOR AG-7600*

BOARD	VIDEO YC C.B.A. (E6)
TP	VIDEO OUT (75Ω)
ADJ.	VR3207 (E-1), VR3206 (E-1)
TAPE	COLOUR BAR SIGNAL RECORDED TAPE (S-VHS)
INPUT	
MODE	PLAYBACK
M. EQ	VECTOR SCOPE AND OSCILLOSCOPE
SPEC.	REFER TO FIG E33-A, E33-B

≪NOTE≫
VIDEO OUT should be 75Ω terminate.

≪SET UP≫
IMAGE MODE SELECT: EDIT (MENU NO. 2001-01)

1. Playback the colour bar signal other recorded tape by S-VHS mode.
2. Connect the vectorscope to VIDEO OUT.
3. Adjust VR3206 so that the vector dot of magenta becomes in the innerbox as shown in Figure E33-A.
4. Connect the oscilloscope to VIDEO OUT.
5. Adjust VR3207 so that the burst level becomes 0.31Vp-p ±0.02Vp-p as shown in Figure E33-B.
6. After completion of the burst level (VR3207), comfirm that the vector dot of magenta is in the innerbox, if not repeat steps 3, 5.

4-5-19. PB S-VHS EDIT Y/C DELAY ADJ.

A. *FOR AG-7700*

BOARD	VIDEO I/O C.B.A. (E5)
TP	VIDEO OUT (75Ω)
ADJ.	VR3102 (C-1), SW3402 (G-1)
TAPE	SIN^2 PULSE & BAR SIGNAL SELF RECORDED TAPE (S-VHS)
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	0nsec±30nsec (REFER TO FIG E35)

≪NOTE≫
VIDEO OUT should be 75Ω terminate.

≪SET UP≫
IMAGE MODE SELECT: EDIT (MENU NO. 2001-01)
S-VHS REC: ON (MENU NO. 2006-01)

1. Connect the oscilloscope to VIDEO OUT and expanded the "A" portion as shown in Figure E34.
2. Playback the sin² pulse bar signal self recorded tape by S-VHS mode.
3. Adjust VR3402 and SW3102 so that the waveform becomes as shown in Figure E35.

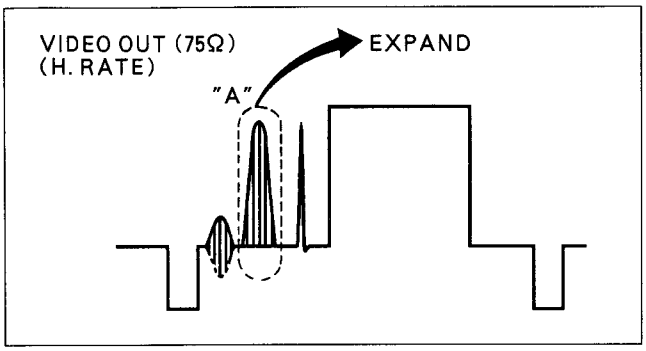


Figure E34

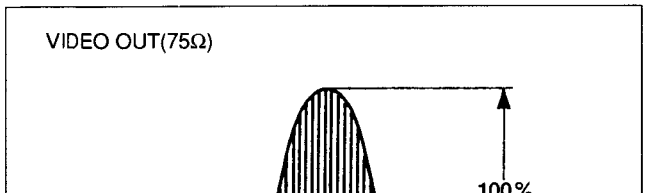


Figure E35

B. FOR AG-7600

BOARD	VIDEO I/O C.B.A. (E5)
TP	VIDEO OUT (75Ω)
ADJ.	VR3102 (C-1), SW3402 (G-1)
TAPE	SIN² PULSE & BAR SIGNAL OTHER RECORDED TAPE (S-VHS)
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	0nsec±30nsec (REFER TO FIG E35)

≪NOTE≫
VIDEO OUT should be 75Ω terminate.

≪SET UP≫
IMAGE MODE SELECT: EDIT (MENU NO. 2001-01)
S-VHS REC: ON (MENU NO. 2006-01)

1. Connect the oscilloscope to VIDEO OUT and expanded the "A" partion as shown in Figure E34.
2. Set the SW3402 to position 4.
3. Playback the sin² pulse bar signal other recorded tape by S-VHS mode.
4. Adjust VR3402 and SW3102 so that the waveform becomes as shown in Figure E35.

4-5-20. PB VHS EDIT Y/C DELAY ADJ.

A. FOR AG-7700

BOARD	VIDEO I/O C.B.A. (E5)
TP	VIDEO OUT (75Ω)
ADJ.	VR3101 (C-1), SW3401 (F-1)
TAPE	SIN² PULSE & BAR SIGNAL SELF RECORDED TAPE (S-VHS)
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	0nsec±30nsec (REFER TO FIG E35)

≪SET UP≫
IMAGE MODE SELECT: EDIT (MENU NO. 2001-01)
S-VHS REC: OFF (MENU NO. 2006-00)

1. Connect the oscilloscope (W.F.M) to VIDEO OUT and expanded the "A" portion as shown in Figure E34.
2. Playback the sin² pulse bar signal self recorded tape by VHS mode.
3. Adjust VR3101 and SW3102 so that the waveform becomes as shown in Figure E35.

B. FOR AG-7600

BOARD	VIDEO I/O C.B.A. (E5)
TP	VIDEO OUT (75Ω)
ADJ.	VR3101 (C-1), SW3401 (F-1)
TAPE	SIN² PULSE BAR SIGNAL OTHER RECORDED TAPE (VHS)
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	0nsec±30nsec (REFER TO FIG E35)

≪SET UP≫
IMAGE MODE SELECT: EDIT (MENU NO. 2001-01)

1. Connect the oscilloscope (W.F.M) to VIDEO OUT and expanded the "A" partion as shown in Figure E34.
2. Set the SW3401 to position 3.
3. Playback the sin² pulse bar signal other recorded tape by VHS mode.
4. Adjust VR3101 and SW3102 so that the waveform becomes as shown in Figure E35.

4-5-21. CAC Y/C DELAY ADJ.

A. FOR AG-7700

BOARD	VIDEO YC C.B.A. (E6)
TP	VIDEO OUT (75Ω)
ADJ.	VR3408 (D-1)
TAPE	SIN² PULSE & BAR SIGNAL SELF RECORDED TAPE (VHS)
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	A=B±2%

≪NOTE≫
This adjustment should be performed only after completion of 4-5-19 PB S-VHS Edit Y/C Delay Adj and 4-5-20 PB VHS Edit Y/C Delay Adj.

≪SET UP≫
IMAGE MODE SELECT: NOR (MENU NO. 2001-00)
S-VHS REC: OFF (MENU NO. 2006-00)

1. Connect the oscilloscope (W.F.M) to VIDEO OUT and expanded the "A" portion as shown in Figure E34.
2. Playback the sin² pulse bar signal self recorded tape by VHS mode.
3. Adjust VR3408 so that the waveform becomes as shown in Figure E36.

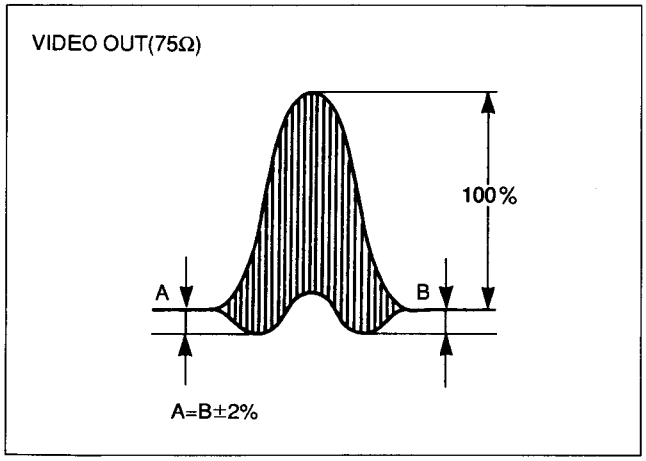


Figure E36

B. FOR AG-7600

BOARD	VIDEO YC C.B.A. (E6)
TP	VIDEO OUT (75Ω)
ADJ.	VR3408 (D-1)
TAPE	SIN² PULSE & BAR SIGNAL OTHER RECORDED TAPE (VHS)
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	A=B±2%

≪NOTE≫
This adjustment should be performed only after completion of 4-5-19 PB S-VHS Edit Y/C delay Adj and 4-5-20 PB VHS Edit Y/C delay Adj.

≪SET UP≫
IMAGE MODE SELECT: NOR (MENU NO. 2001-00)
S-VHS REC: OFF (MENU NO. 2006-00)

1. Connect the oscilloscope (W.F.M) to VIDEO OUT and expanded the "A" portion as shown in Figure E34.
2. Playback the sin² pulse bar signal other recorded tape by VHS mode.
3. Adjust VR3408 so that the waveform becomes as shown in Figure E36.

4-5-22. S-VHS REC DELAY ADJ. (AG-7700 only)

BOARD	YC REC C.B.A. (E13)
TP	VIDEO OUT
ADJ.	VR9212
TAPE	S-VHS BLANK TAPE
INPUT	SIN² PULSE & BAR SIGNAL (LINE)
MODE	REC → PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	FIG

≪NOTE≫
This adjustment should be performed only after completion of 4-5-19 PB S-VHS Edit Y/C Delay Adj.

≪SET UP≫
S-VHS REC: ON (MENU NO. 2006-01)
IMAGE MODE SELECT: EDIT (MENU NO. 2001-00)
VIDEO LEVEL CONTROL: PUSH (AGC: ON)
INPUT: LINE

1. Connect a oscilloscope to VIDEO OUT.
2. Supply a sin² palse & bar signal to LINE IN.
3. Record the sin² palse & bar signal for few minites by the S-VHS mode.
4. Playback the just recorded portion.
5. If the Y signal is advanced (FIG E37-A) turn VR9212 to counter clockwise.

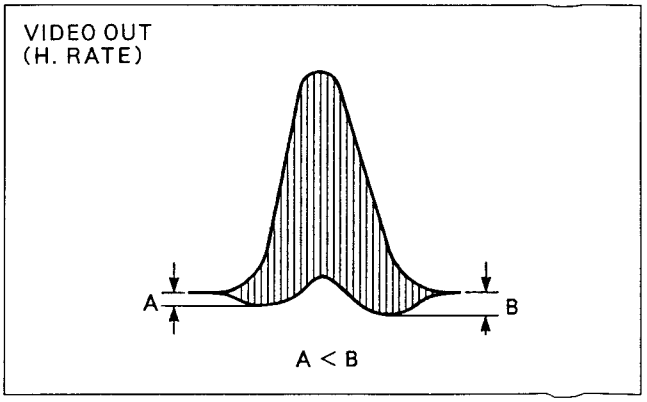


Figure E37-A

6. If the Y signal delayed (FIG E37-B) turn VR9212 to clockwise.

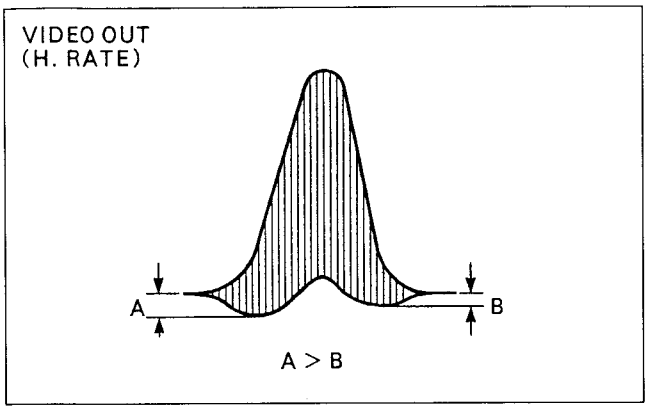


Figure E37-B

7. Repeat the above procedure (Step 3 to 6) until the waveform becomes as shown in Figure E37-C.

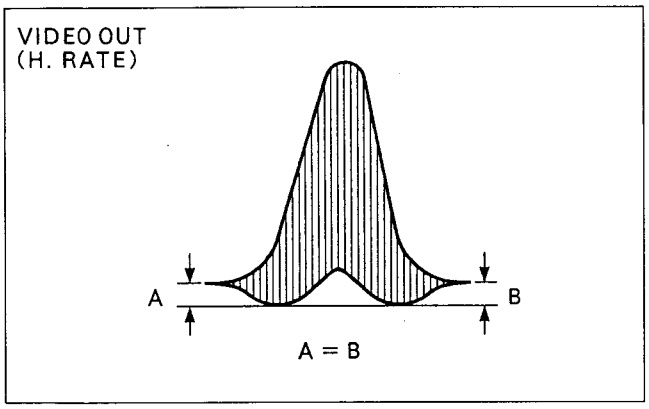


Figure E37-C

4-5-23. VHS REC DELAY ADJ. (AG-7700 only)

BOARD	YC REC C.B.A. (E13)
TP	VIDEO OUT
ADJ.	VR9222
TAPE	VHS BLANK TAPE
INPUT	SIN^2 PULSE & BAR SIGNAL (LINE)
MODE	REC → PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	FIG

≪NOTE≫
This adjustment should be performed only after completion of 4-5-20 PB VHS Edit Y/C Delay Adj.

≪SET UP≫
S-VHS REC: OFF (MENU NO. 2006-00)
IMAGE MODE SELECT: EDIT (MENU NO. 2001-01)
VIDEO LEVEL CONTROL: PUSH (AGC: ON)
INPUT: LINE

1. Connect a oscilloscope to VIDEO OUT.
2. Supply a sin^2 palse & bar signal to LINE IN.
3. Record the sin^2 palse & bar signal for few minites by the VHS mode.
4. Playback the just recorded portion.
5. If the Y signal is advanced (FIG E37-A) turn VR9222 to counter clockwise.
6. If the Y signal delayed (FIG E37-B) turn VR9222 to clockwise.
7. Repeat the above procedure (Step 3 to 6) until the waveform becomes as shown in Figure E37-C.

4-5-24. ARTIFICIAL V-SYNC ADJ.

BOARD	VIDEO I/O C.B.A. (E5)
TP	VIDEO OUT, TP41003 (TRIG.)
ADJ.	VR3401 (F-1)
TAPE	VFM8180HADH, PORTION: 2
INPUT	
MODE	SHUTTLE (×2 PLAY)
M. EQ	OSCILLOSCOPE
SPEC.	T=1.0H±0.25H

≪SET UP≫
VIDEO MODE: B/W (MENU NO. 2002-02)

1. Adjust VR3401 so that the artifical V-sync pulse becomes 1.0H±0.25H before the V-sync portion as shown in Figure E38.

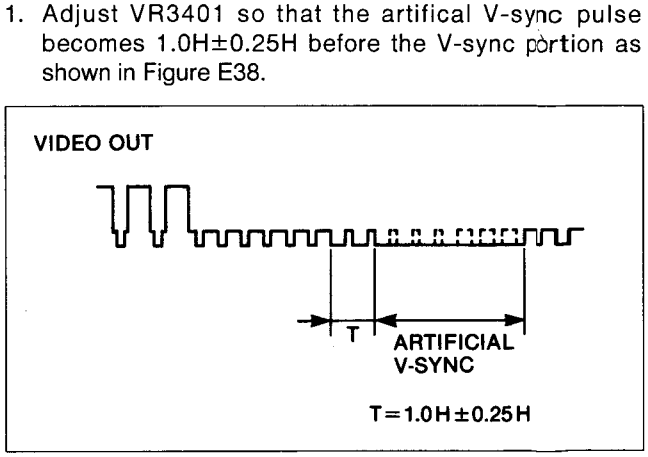


Figure E38

4-6. AUDIO SECTION

Unless otherwise specified, the following connections are used to check the output and input levels from/to the AUDIO OUT and IN jacks (XLR) as shown in Figure E39A.

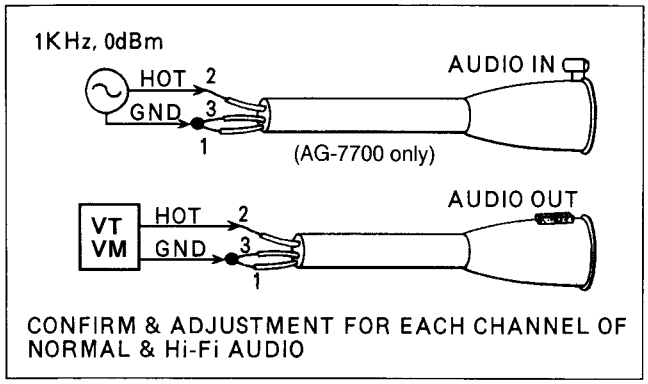


Figure E39-A

And connect the AG-7700 and Audio Meter (V.T.V.M. or D.V.M.) in parallel as shown in Figure E39-B when you check the level of input signal.
(0dBm=0.775Vrms=2.19Vp-p)

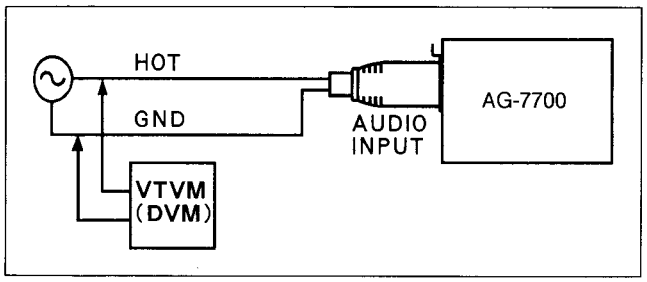


Figure E39-B

Please note that the Audio Output Level Switch is located on the AUDIO (2) C.B.A. (C-1)

4-6-1. NORMAL AUDIO INPUT LEVEL ADJ. (AG-7700 only)

BOARD	AUDIO (1) C.B.A. (E7)
TP	NORM/Hi-Fi AUDIO OUT (CH1/CH2)
ADJ.	VR40011 (CH1) (E-1), VR40012 (CH2) (E-1)
TAPE	
INPUT	1KHz, 0dBm SINE WAVE SIGNAL
MODE	EJECT (E-E)
M. EQ	V.T.V.M. (D.V.M.)
SPEC.	0dBm±0.2dBm

≪SET UP≫
PB/EE SEL: EE (MENU NO. 2004-01)
S-VHS REC: OFF (MENU NO. 2006-00)
IMAGE MODE: NORM (MENU NO. 2001-00)
DOLBY NR: OFF (MENU NO. 3001-00)
AUDIO LIMITER: OFF (MENU NO. 3002-00)
CH1 REC: CH1 (MENU NO. 3005-00)
AUDIO CH2: AUDIO (MENU NO. 3006-00)
INPUT AUDIO LEVEL SW (NORM: Hi-Fi): 0dBs
OUTPUT AUDIO LEVEL SW: 0dBs
AUDIO OUT SELECT SW: NORM
NORM AUDIO (CH1/2) LEVEL CONTROL: CENTER

1. Supply a 1KHz, 0dBm sine wave signal to the NORM/Hi-Fi AUDIO (CH1 & CH2) INPUTs.
2. Adjust VR40011 (CH1) and VR40012 (CH2) so that the level becomes 0dBm±0.2dBm.

4-6-2. Hi-Fi AUDIO INPUT LEVEL ADJ. (AG-7700 only)

BOARD	AUDIO (2) C.B.A.
TP	Hi-Fi AUDIO OUT (CH1/CH2)
ADJ.	VR41008 (CH1) (D-1), VR41009 (CH2) (E-1)
TAPE	
INPUT	1KHz, 0dBm SINE WAVE SIGNAL
MODE	EJECT (E-E)
M. EQ	V.T.V.M. (D.V.M.)
SPEC.	0dBm±0.2dBm

≪SET UP≫
IMAGE MODE: NORM (MENU NO. 2001-00)
PB/EE SEL: EE (MENU NO. 2004-01)
S-VHS REC: OFF (MENU NO. 2006-00)
INPUT AUDIO LEVEL SW (Hi-Fi): 0dBs
OUTPUT AUDIO LEVEL SW: 0dBs
Hi-Fi AUDIO (CH1/2) LEVEL CONTROL: CENTER
AUDIO OUT SELECT SW: Hi-Fi

1. Supply a 1KHz, 0dBm sine wave signal to the Hi-Fi AUDIO (CH1 & CH2) INPUTs.
2. Adjust VR41008 (CH1) and VR41009 (CH2) so that the level becomes 0dBm±0.2dBm.

4-6-3. AUDIO JACK OUTPUT BALANCE ADJ.

A. FOR AG-7700

BOARD	REAR AMP C.B.A. (E28)
TP	NORM/Hi-Fi AUDIO OUT (CH1, CH2) Hi-Fi AUDIO OUT (CH1, CH2)
ADJ.	NOR: VR4007 (CH1) (C-2), VR4008 (CH2) (C-1) Hi-Fi: VR4005 (CH1) (C-2), VR4006 (CH2) (C-1)
TAPE	
INPUT	1KHz, 0dBm SINE WAVE SIGNAL
MODE	EJECT (E-E)
M. EQ	V.T.V.M. (D.V.M.)
SPEC.	LESS THAN 68Vrms

1. Supply a 1KHz, 0dBm sine wave signal to the NORM/Hi-Fi (CH1 & CH2) Audio Inputs.

2. Connect the V.T.V.M. (D.V.M.) to NORM/Hi-Fi AUDIO OUT (CH1 & CH2) as shown in Figure E40.
3. Adjust VR4007 (CH1) and VR4008 (CH2) so that the level becomes minimum (less than 68mVrms).
4. Connect the V.T.V.M. (D.V.M.) to the Hi-Fi AUDIO OUT (CH1 & CH2) as shown in Figure E40.
5. Adjust VR4005 (CH1) and VR4006 (CH2) so that the level becomes minimum (less than 68mVrms).
6. Perform 4-6-1. Normal Audio Input Level Adj. and/or 4-6-2. Hi-Fi Audio Input Level Adj. again if VR4007 (CH1) VR4008 and/or VR4005 (CH1), VR4006 (CH2) are adjustted.

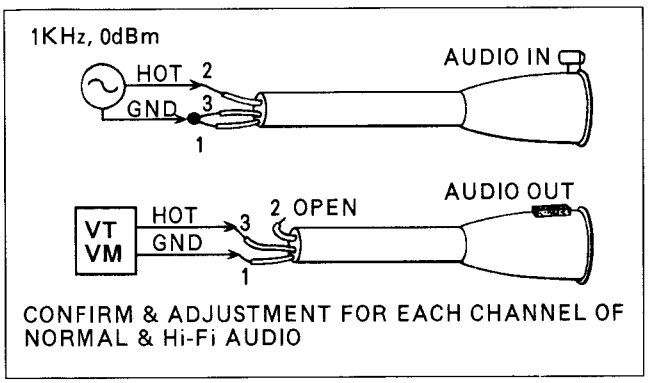


Figure E40

B. FOR AG-7600

BOARD	REAR AMP C.B.A. (E28)
TP	NORM/Hi-Fi AUDIO OUT (CH1, CH2) Hi-Fi AUDIO OUT (CH1, CH2)
ADJ.	NOR: VR4007 (CH1) (C-2), VR4008 (CH2) (C-1) Hi-Fi: VR4005 (CH1) (C-2), VR4006 (CH2) (C-1)
TAPE	1KHz, 0dBm SINE WAVE SIGNAL RECORDED TAPE (NORM & Hi-Fi)
INPUT	
MODE	PLAYBACK
M. EQ	V.T.V.M. (D.V.M.)
SPEC.	LESS THAN 68mVrms

≪SET UP≫
AUIDO CH2
AUIDO OUT SELECT SW
OUTPUT AUDIO LEVEL SW (NOR/Hi-Fi): 0dB
NORMAL AUDIO LEVEL CONTROL: CENTER
Hi-Fi AUDIO LEVEL CONTROL: CENTER

1. Connect the V.T.V.M. (D.V.M.) to the NORM/Hi-Fi AUDIO OUT (CH1, CH2) as shown in Figure E40.
2. Playback the 1KHz 0dBm sine wave signal ather recorded tape (NORM/Hi-Fi).
3. Adjust VR4007 (CH1) and VR4008 (CH2) so that the level becomes minimum (less than 68mVrms).
4. Connect the V.T.V.M. (D.V.M.) to the Hi-Fi AUDIO OUT (CH1/CH2) as shown in Figure E40.
5. Adjust VR4005 (CH1) and VR4006 (CH2) so that the level becomes minimum (less than 68mVrms).

4-6-4. AUDIO LEVEL METER ADJ.

A. FOR AG-7700

BOARD	AUIDO (2) C.B.A. (E8)
TP	AUDIO METER (CH1, CH2)
ADJ.	VR41012 (CH1) (B-1), VR41013 (CH2) (B-1)
TAPE	
INPUT	1KHz, 0dBm SINE WAVE SIGNAL
MODE	EJECT (E-E)
M. EQ	
SPEC.	NORM: 0±0.5Vu Hi-Fi: 0±1.5Vu

≪NOTE≫
This adjustment should be performed only after completion of 4-6-1 Normal Audio Input Adj. and 4-6-2 Hi-Fi Audio Input Adj.

≪SET UP≫
IMAGE MODE: NORM (MENU NO. 2001-00)
PB/EE SEL: EE (MENU NO. 2004-01)
S-VHS REC: ON (MENU NO. 2006-01)
DOLBY NR: OFF (MENU NO. 3001-00)
AUDIO LIMITER: OFF (MENU NO. 3002-00)
CH1 REC: CH1 (MENU NO. 3005-00)
Hi-Fi REC: ON (MENU NO. 3003-01)
INPUT AUDIO LEVEL SW (NORM: Hi-Fi): 0dBs
INPUT AUDIO LEVEL SW (Hi-Fi): 0dBs
OUTPUT AUDIO LEVEL SW: 0dBs
AUDIO OUT SELECT SW: NORM
AUDIO (CH1/2) LEVEL CONTROL: CENTER

1. Supply a 1KHz, 0dBm sine wave signal to the NORM/Hi-Fi AUDIO (CH1 & CH2) INPUTs.
2. Set the AUDIO Meter SELECT SW to NORM.
3. Adjust VR41012 (CH1) and VR41013 (CH2) so that the needle of Audio level Meter (CH1 & CH2) reaches "0± 0.5Vu" as shown in Figure E41.
4. Set the AUDIO METER SELECT SW to Hi-Fi.
5. Supply a 1KHz, 0dBm sine wave signal to the Hi-Fi AUDIO (CH1 & CH2) inputs.
6. Confirm the Hi-Fi level Meter (CH1 & CH2) reader "0± 1.5Vu".

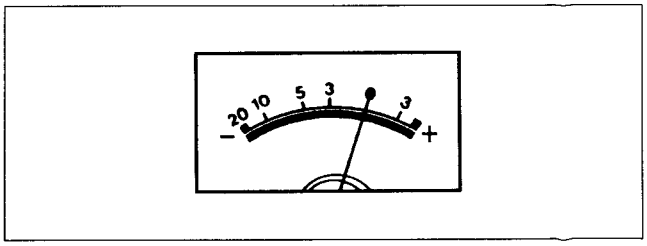


Figure E41

B. FOR AG-7600

BOARD	AUIDO (2) C.B.A. (E8)
TP	AUDIO METER (CH1, CH2)
ADJ.	VR41012 (CH1) (B-1), VR41013 (CH2) (B-1)
TAPE	1KHz, 0dBm SINE WAVE SIGNAL OTHER RECORDED TAPE (Hi-Fi)
INPUT	
MODE	PLAYBACK
M. EQ	
SPEC.	0Vu±0.5Vu

≪NOTE≫
This adjustment should be performed only after completion of 4-6-15 Audio Output Level A.

≪SET UP≫
METER SELECT SW: Hi-Fi

1. Playback the 1KHz, 0dBm sine wave signal other recorded tape.
2. Adjust VR41012 (CH1), VR41013 (CH2) so that the needle of Audio Level Meter (CH1 & CH2) reaches "0Vu±0.5Vu" as shown in Figure E41.

4-6-5. NORMAL AUDIO PB FREQUENCY RESPONSE ADJ.

A. FOR AG-7700

BOARD	AUDIO (1) C.B.A. (E7)
TP	TP40005 (CH1) (G-1), TP40007 (CH2) (E-1)
ADJ.	VR40002 (CH1) (F-1), VR40007 (CH2) (D-1)
TAPE	VFM8180HADH, PORTION: 3
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	400Hz=5KHz (0dB±0.5dB)

≪NOTE≫
After this adjustment is finished adjust 4-6-6 Normal Audio PB Gain Adj.

≪SET UP≫
DOLBY NR: OFF (MENU NO. 3001-00)
AUDIO CH2: AUDIO (MENU NO. 3006-00)
IMAGE MODE: NORM (MENU NO. 2001-00)

1. Set the VR40003 and VR40008 to the center position.
2. Playback the alignment tape at portion 3.
3. Connect a oscilloscope to TP40005 and TP40007.
4. Adjust VR40002 (CH1) and VR40007 (CH2) so that the 400Hz and 5KHz levels become the same (0dBm± 0.5dBm) as shown in Figure E42.

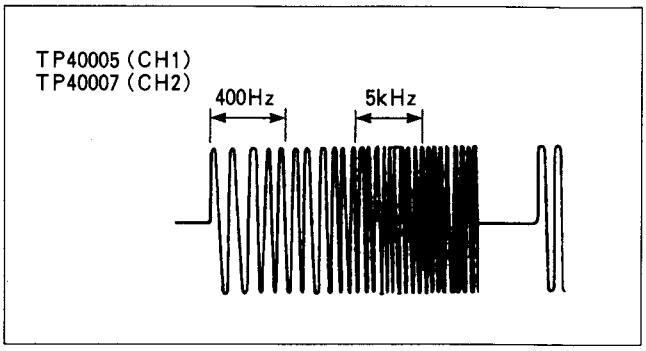


Figure E42

B. FOR AG-7600

BOARD	AUDIO (1) C.B.A. (E7)
TP	TP40005 (CH1) (G-1), TP40007 (CH2) (E-1)
ADJ.	VR40002 (CH1) (F-1), VR40007 (CH2) (D-1)
TAPE	VFM8180HADH, PORTION: 3
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	400Hz=5KHz (0dB±0.5dB)

≪SET UP≫
DOLBY NR: OFF (MENU NO. 3001-00)
AUDIO CH2: AUDIO (MENU NO. 3006-00)

1. Set the VR40003 and VR40008 to the Center position.
2. Play back the alignment tape at portion 3.
3. Connect a osilloscope to TP40005 and TP40007.
4. Adjust VR40002 (CH1) and VR40007 (CH2) so that the 400Hz and 5KHz levels becoms the same (0dB±0.5dB) as shown in Figure E42.

4-6-6. NORMAL AUDIO PB GAIN ADJ. (AG-7700 only)

BOARD	AUDIO (1) C.B.A. (E7)
TP	TP40005 (CH1) (G-1), TP40007 (CH2) (E-1)
ADJ.	VR40003 (CH1) (F-1), VR40008 (CH2) (D-1)
TAPE	VFM8180HADH, PORTION: 3
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	CH1: 300mVp-p±15mV CH2: 310mVp-p±15mV

≪SET UP≫
DOLBY NR: OFF (MENU NO. 3001-00)
AUDIO CH2: AUDIO (MENU NO. 3006-00)

1. Connect a scope to TP40005 (CH1) and TP40007 (CH2), and adjust VR40003 (CH1) and VR40008 (CH2) so that the levels becomes 300mVp-p±15mVp-p (CH1) and 310mVp-p±15mVp-p (CH2) as shown in Figure E43.

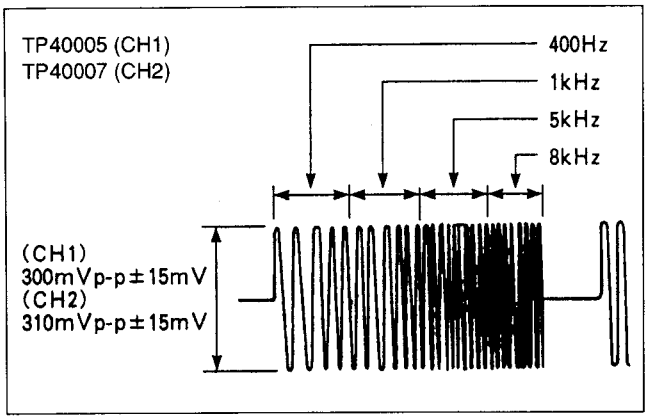


Figure E43

4-6-7. NORMAL AUDIO ERASE CURRENT ADJ. (AG-7700 only)

BOARD	AUDIO (1) C.B.A. (E7)
TP	TP40002 (CH1) (A-3), TP40004 (CH2) (B-3)
ADJ.	TL40002 (A-3), TL40003 (CH1) (A-3), TL40004 (CH2) (B-3)
TAPE	BLANK TAPE
INPUT	
MODE	REC
M. EQ	FREQUENCY COUNTER, OSCILLOSCOPE
SPEC.	70KHz±1KHz

≪SET UP≫
S-VHS REC: ON (MENU NO. 2006-01)
CH1 REC: CH1 (MENU NO. 3005-00)
AUDIO CH2: AUDIO (MENU NO. 3006-00)

1. Connect a frequency counter to TP40002 and adjust TL40002 so that the frequency becomes 70KHz±1KHz.
2. Connect the oscilloscope to TP40002 (CH1) and TP40004 (CH2), and adjust TL40003 (CH1) and TL40004 (CH2) so that the level becomes maximum.

4-6-8. NORMAL AUDIO BIAS CURRENT ADJ. (AG-7700 only)

BOARD	AUDIO (1) C.B.A. (E7)
TP	A/C HEAD
ADJ.	S-VHS: TL 40001 (CH1) (A-2), TL40005 (CH2) (B-2) VHS: VR40004 (CH1) (A-1), VR40009 (CH2) (A-1)
TAPE	VHS, S-VHS BLANK TAPE
INPUT	NO SIGNAL
MODE	REC
M. EQ	V.T.V.M. (D.V.M.)
SPEC.	S-VHS:6.7±0.1mVrms VHS: 5.0±0.1mVrms

≪SET UP≫
S-VHS REC: ON (MENU NO. 2006-01)
CH1 REC: CH1 (MENU NO. 3005-00)
AUDIO CH2: AUDIO (MENU NO. 3006-00)

1. Insert the S-VHS blank tape and place the deck in the REC mode.
2. Connect the V.T.V.M. (D.V.M.) to the A/C Head as shown in Figure E44.
3. Adjust TL40001 (CH1) and TL40005 (CH2) so that the level becomes 6.7mVrms±0.1mVrms.
4. Insert the VHS blank tape and place the deck in the REC mode.
5. Adjust VR40004 (CH1) and VR40009 (CH2) so that the level becomes 5.0mVrms±0.1mVrms.

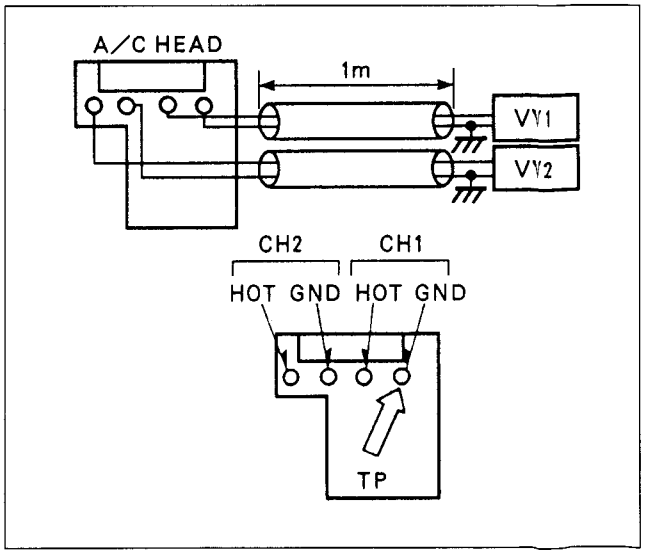


Figure E44

4-6-9. NORMAL AUDIO REC CURRENT ADJ. (AG-7700 only)

BOARD	AUDIO (1) C.B.A. (E7)
TP	NORM/Hi-Fi AUDIO OUT, Hi-Fi AUDIO OUT TP40003 (CH1) (B-3), TP40006 (CH2) (C-1)
ADJ.	VR40005 (CH1) (E-1), VR40010 (CH2) (D-1)
TAPE	S-VHS BLANK TAPE
INPUT	1KHz 0dBm SINE WAVE SIGNAL
MODE	REC & PLAY
M. EQ	V.T.V.M. (D.V.M.)
SPEC.	0dBm±1dBm

≪SET UP≫
S-VHS REC: ON (MENU NO. 2006-01)
DOLBY NR: OFF (MENU NO. 3001-00)
AUDIO LIMITER: OFF (MENU NO. 3002-00)
CH1 REC: CH1 (MENU NO. 3005-00)
AUIDO CH2: AUDIO (MENU NO. 3006-00)
INPUT AUDIO LEVEL SW (NORM/Hi-Fi): 0dBs
NORM AUDIO (CH1/2) LEVEL CONTROL: CENTER

1. Connect the V.T.V.Ms to the deck as shown in Figure E54. Note that only one channel will be adjusted at a time.
2. Supply a 1KHz, 0dBm sine wave signal to NORM/Hi-Fi AUDIO INPUT (CH1).
3. Place the deck in the REC mode with S-VHS mode.
4. Adjust VR40005 (CH1) so that V.T.V.M. (2) reads approximately 0.8Vrms.
   Suppose that the indicated value on V.T.V.M. (1) is 0dBm.
5. Playback the recorded portion, and note the amount of difference between V.T.V.M. (1) and (2).
6. Place the deck in the REC mode again, and re-adjust VR40005 (CH1) slightly, and repeat step 5, nothing the new difference.
7. Repeat this step 3 to 6 until record and playback difference is minimized (0dBm±1dBm).
8. Repeat the above procedure again for channel 2, using the other set of test point (TP40006) and VR (VR40010).

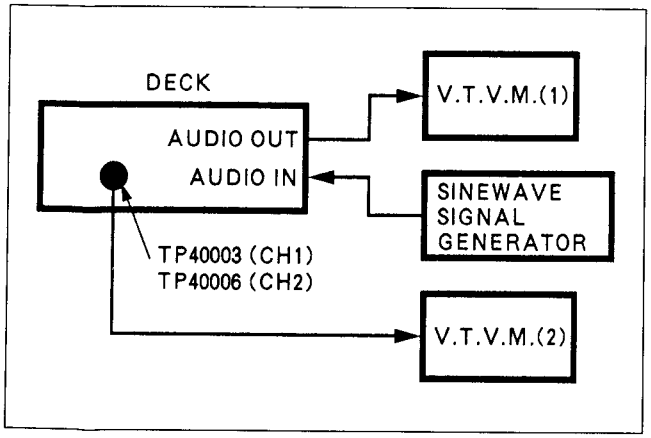


Figure E45

4-6-10. NORMAL AUDIO TIME CODE METER ADJ.

A. FOR AG-7700

BOARD	AUDIO (1) C.B.A. (E7)
TP	AUDIO CH2 METER
ADJ.	VR41014 (A-1)
TAPE	
INPUT	TIME CODE SIGNAL (or 300Hz, 1Vp-p sine wave signal)
MODE	REC
M. EQ	
SPEC.	0Vu±0.5Vu

≪SET UP≫
S-VHS REC: OFF (MENU NO. 2006-00)
AUDIO CH2: LTC (MENU NO. 3006-01)
CH2 METER: AUDIO CH2

1. Supply a Time Code Signal (or 300Hz, 1Vp-p sine wave signal) to the TIME CODE IN connector..
2. Adjust VR41014 so that the needle of Audio level CH2 Meter reaches "0Vu±0.5Vu" as shown in Figure E46.

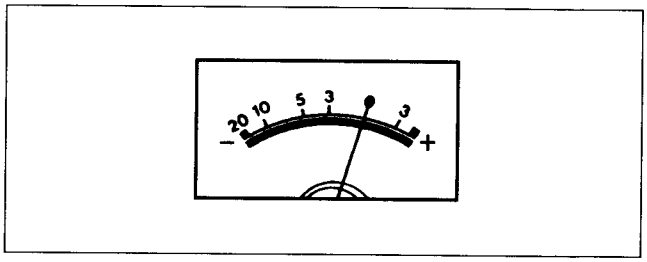


Figure E46

B. FOR AG-7600

BOARD	AUDIO (1) C.B.A. (E8)
TP	AUDIO CH2 METER
ADJ.	VR41014 (A-1)
TAPE	TIME CODE SIGNAL (OR 300Hz, 1Vp-p SINE WAVE SIGNAL)
INPUT	
MODE	PLAYBACK
M. EQ	
SPEC.	0Vu±0.5Vu

≪SET UP≫
AUDIO CH2: LTC (MENU NO. 3006-01)
CH2 METER: AUDIO CH2

1. Playback the Time Code signal (or 300Hz, 1Vp-p sine wave signal) other recorded tape.
2. Adjust VR41014 so that the needle of Audio level CH2 Meter reaches "0Vu±0.5Vu" as shown in Figure E46.

4-6-11. Hi-Fi AUDIO HEAD SWITCHING SHIFTER ADJ.

BOARD	AUDIO (2) C.B.A. (E8)
TP	TP41004 (F-1): FM.H.SW, TP41006 (F-1): FM ENV
ADJ.	VR41004
TAPE	VFM8180HADH, PORTION: 2
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	FIG. E47

≪NOTE≫
This adjustment should be performed only after completion of 4-3-1 PG Shifter Adj.

≪SET UP≫
S-VHS REC: ON (MENU NO. 2006-01)

1. Connect the scope to TP41004 and TP41006 on the AUDIO (2) C.B.A.
2. Playback the alignment tape at portion 2.
3. Adjust VR41004 so that disappear the drop-out at the (a) and (b) position as shown in Figure E47.
4. Turn the Tracking VR and then confirm that disappear the drop-out at the (a) and (b) positions.
5. If not, repeat the steps 3 and 4 until that disappear the drop-out.

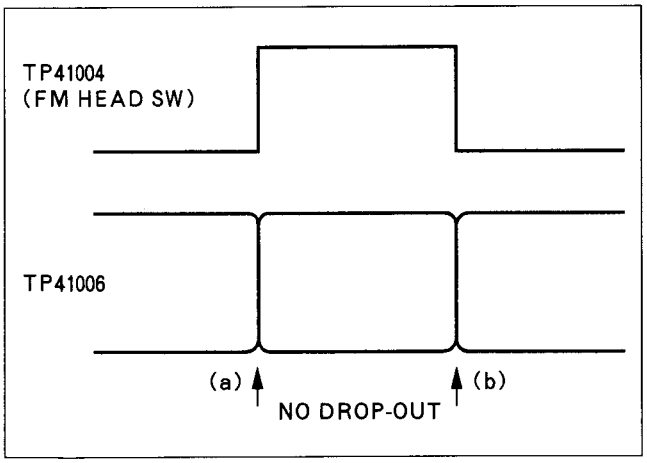


Figure E47

4-6-12. Hi-Fi AUDIO CARRIER FREQUENCY ADJ.

A. FOR AG-7700

BOARD	AUDIO (2) C.B.A. (E8)
TP	TP41005 (CH1) (F-2), TP41008 (CH2) (F-3)
ADJ.	VR41002 (CH1) (F-2), VR41006 (CH2) (F-3)
TAPE	
INPUT	NO SIGNAL
MODE	EJECT (E-E)
M. EQ	FREQUENCY COUNTER
SPEC.	CH1: 1.4MHz±10KHz CH2: 1.8MHz±10KHz

≪NOTE≫
If the signal level is too low to trigger frequency counter, adjust VR41003 (L CH) and VR41007 (R CH) clockwise. And then refer to 4-6-14 Hi-Fi Audio REC Current Adj. for the correct setting of these VRS, after this adjustment.

≪SET UP≫
S-VHS REC: ON (MENU NO. 2006-01)
Hi-Fi INPUT SELECT: Hi-Fi INPUT (MENU NO. 3004-00)

1. Ground the Hi-Fi Audio Input (CH1 & CH2).
2. Connect the frequency counter to TP41005 (CH1) and adjust VR41002 (CH1) so that the frequency becomes 1.4MHz±10KHz.
3. Connect the frequency counter to TP41008 (CH2) and adjust VR41006 (CH2) so that the frequency becomes 1.8MHz±10KHz.

B. FOR AG-7600

BOARD	AUDIO (2) C.B.A. (E8)
TP	TP41005 (CH1) (E-2), TP41008 (CH2) (F-3)
ADJ.	VR41002 (CH1) (F-2), VR41006 (CH2) (F-3)
TAPE	
INPUT	
MODE	EJECT
M. EQ	FREQUENCY COUNTER
SPEC.	CH1: 1.4MHz±10KHz CH2: 1.8MHz±10KHz

1. Connect the frequency counter to TP41005 (CH1) and adjust VR41002 (CH1) so that the frequency becomes 1.4MHz±10KHz.
2. Connect the frequency counter to TP41008 (CH2) and adjust VR41006 so that the frequency becomes 1.8MHz ±10KHz.

4-6-13. Hi-Fi AUDIO DEVIATION ADJ. (AG-7700 only)

BOARD	AUDIO (2) C.B.A. (E8)
TP	Hi-Fi AUDIO OUTPUT (CH1), (CH2)
ADJ.	VR41001 (CH1) (F-1), VR41005 (CH2) (E-1)
TAPE	VFM8180HADH PORTION: 2
INPUT	
MODE	PLAYBACK
M. EQ	V.T.V.M. (D.V.M)
SPEC.	0dBm±0.5dBm

≪SET UP≫
OUTPUT AUDIO LEVEL (Hi-Fi): 0dB

1. Playback the alignment tape VFM810HADH portion 2.
2. Connect a V.T.V.M. to the Hi-Fi Audio Outputs (CH1, CH2).
3. Adjust VR41001 (CH1) so that level becomes 0dBm± 0.5dBm.
4. Adjust VR41005 (CH2) so that level becomes 0dBm± 0.5dBm.

4-6-14. Hi-Fi AUDIO REC CORRENT ADJ. (AG-7700 only)

BOARD	AUDIO (2) C.B.A. (E8)
TP	TP5001 (B-4)
ADJ.	VR41007 (E-1), VR41003 (F-1)
TAPE	S-VHS BLANK TAPE
INPUT	NO SIGNAL
MODE	REC
M. EQ	OSCILLOSCOPE
SPEC.	CH1: 320mVp-p±5mVp-p CH2: 240mVp-p±5mVp-p

≪SET UP≫
S-VHS REC: ON (MENU NO. 2006-01)
Hi-Fi REC: ON (MENU NO. 3003-01)
Hi-Fi INPUT SELECT: Hi-Fi INPUT (MENU NO. 3004-00)

1. Ground the Hi-Fi Auido Input.
2. Turn VR41003 fully counter clockwise.
3. Adjust VR41007 so that the level becomes 240mVp-p± 5mVp-p as shown in Figure E48-A.

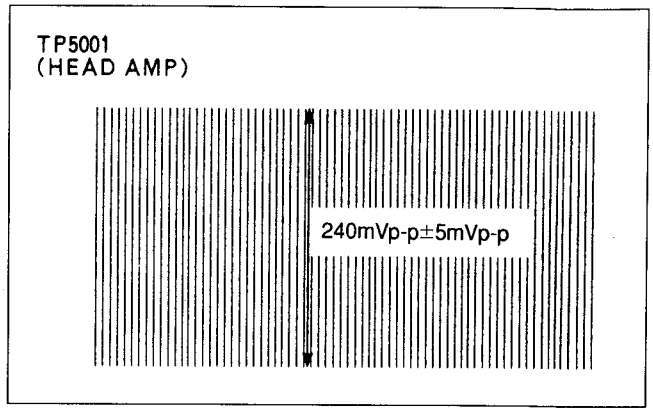


Figure E48-A

4. Adjust VR41003 so that the level becomes 320mVp-p± 5mVp-p as shown in Figure E48-B.

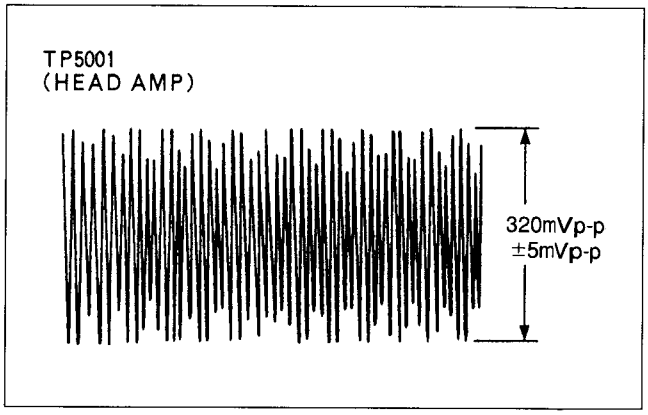


Figure E48-B

4-6-15. NORMAL AUDIO OUTPUT LEVEL ADJ. (AG-7600 only)

BOARD	AUDIO (1)/(2) C.B.A. (E7) (E8)
TP	NORMAL/Hi-Fi AUDIO OUT (CH1, CH2)
ADJ.	NORM : VR40003 (CH1) (F-1), VR40008 (CH2) (D-1) Hi-Fi : VR41001 (CH1) (F-1), VR41005 (CH2) (E-1)
TAPE	1KHz, 0dBm SINE WAVE SIGNAL OTHER RECORDED TAPE (NORM and Hi-Fi)
INPUT	
MODE	PLAYBACK
M. EQ	V.T.V.M. (D.V.M.)
SPEC.	NORM: +2dBm±0.5dBm Hi-Fi: 0dBm±0.5dBm

≪SET UP≫
AUDIO OUT SELECT SW: NORM
OUTPUT AUDIO LEVEL: 0dBs.

1. Playback the 1KHz, 0dBm sine wave signal recorded tape (NORM/Hi-Fi).
2. Connect the V.T.V.M. (D.V.M.) to the NORM/Hi-Fi AUDIO OUT (CH1, CH2).
3. Adjust VR40003 (CH1) and VR40008 (CH2) so that the level becomes +2dBm±0.5dBm.
4. Set the AUDIO OUT SELECT SW to Hi-Fi.
5. Adjust VR41001 (CH1) and VR41005 (CH2) so that the level becomes 0dBm±0.5dBm.

4-7. OTHER SECTION

4-7-1. VITC MUTE PULSE ADJ. (AG-7700 only)

BOARD	TIME CODE C.B.A. (E10)
TP	TP68003 (B-14), TP9108 (B-1) :YC REC C.B.A.
ADJ.	VR68001 (B-14)
TAPE	S-VHS BLANK
INPUT	COLOUR BAR SIGNAL (LINE)
MODE	REC
M. EQ	OSCILLOSCOPE
SPEC.	T=1μsec±0.3μsec

≪SET UP≫
VITC REC: ON (MENU NO. 7003-01)
INPUT SW: LINE
ALL DEL SW (SW68001: TC C.B.A.): ON

1. Connect a scope to TP9108 for CH-1 and TP68003 for CH-2 and expand V-Sync portion as shown in Figure E49.
2. Adjust VR68001 so that the "T" becomes 1μsec± 0.3μsec as shown in Figure E49.

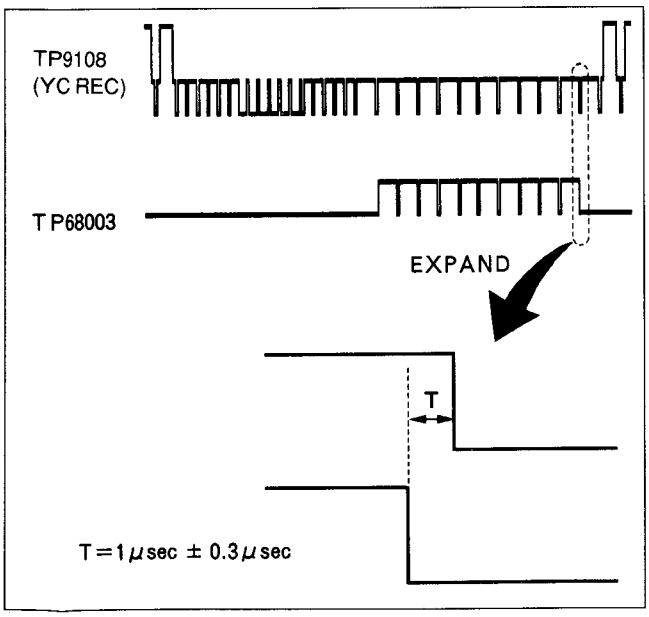


Figure E49

4-7-2. OSD CHARACTER WIDTH ADJ.

BOARD	REAR AMP C.B.A. (E28)
TP	VIDEO MONITOR OUT
ADJ.	CT6601 (B-7)
TAPE	
INPUT	NO SIGNAL
MODE	EJECT (E-E)
M. EQ	OSCILLOSCOPE
SPEC.	T=52μsec±0.5μsec

≪SET UP≫
DIAL MODE: MENU

1. Connect the oscilloscope to VIDEO MONITOR OUT.
2. Turn the JOG dial so that the SET UP-MENU NO. becomes 1001 (flash).
3. Adjust CT6601 so that the "T" becomes 52μsec± 0.5μsec as shown Figure E50.

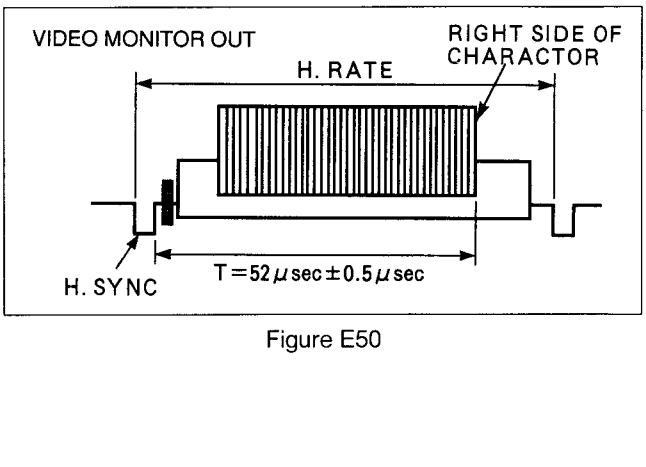


Figure E50

4-7-3. FLYING ERASE CURRENT ADJ. (AG-7700 only)

BOARD	AUDIO (2) C.B.A. (E8)
TP	TP41009 (HOT) (A-1), TP41010 (GND) (A-1)
ADJ.	VR41016 (B-1), VR41015 (B-1)
TAPE	S-VHS RECORDED TAPE (S-VHS)
INPUT	COLOUR BAR SIGNAL (LINE)
MODE	VIDEO INSERT EDIT
M. EQ	OSCILLOSCOPE
SPEC.	150mVp-p±10mVp-p

≪SET UP≫
IMAG MODE SELECT: NOR (MENU NO. 2001-00)
VIDEO MODE: COLOUR (MENU NO. 2002-00)
S-VHS REC: ON (MENU NO. 2006-01)
INPUT SELECT SW: LINE

1. Plase the deck in the video insert edit mode.
2. Connect the GND of oscilloscope to TP41010.
3. Connect a scope to TP41009 (HOT), TP41011 (GND) and adjust VR41016 and VR41015 so that the "A" and "B" levels becomes 150mVp-p±10mVp-p as shown in Figure E51.

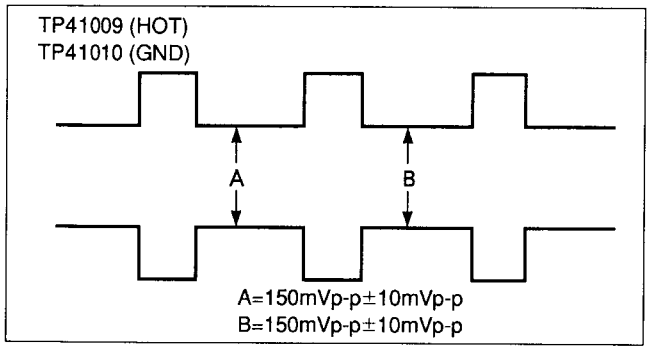


Figure E51

SECTION 5

BLOCK DIAGRAMS

CONTENTS

OVERALL BLOCK DIAGRAM BLK-3

SYSTEM CONTROL BLOCK DIAGRAM BLK-5

SERVO BLOCK DIAGRAM BLK-6

FRONT BLOCK DIAGRAM BLK-4

VIDEO YC BLOCK DIAGRAM BLK-7

YC REC BLOCK DIAGRAM BLK-8

VIDEO I/O BLOCK DIAGRAM BLK-9

Hi-Fi AUDIO BLOCK DIAGRAM BLK-11

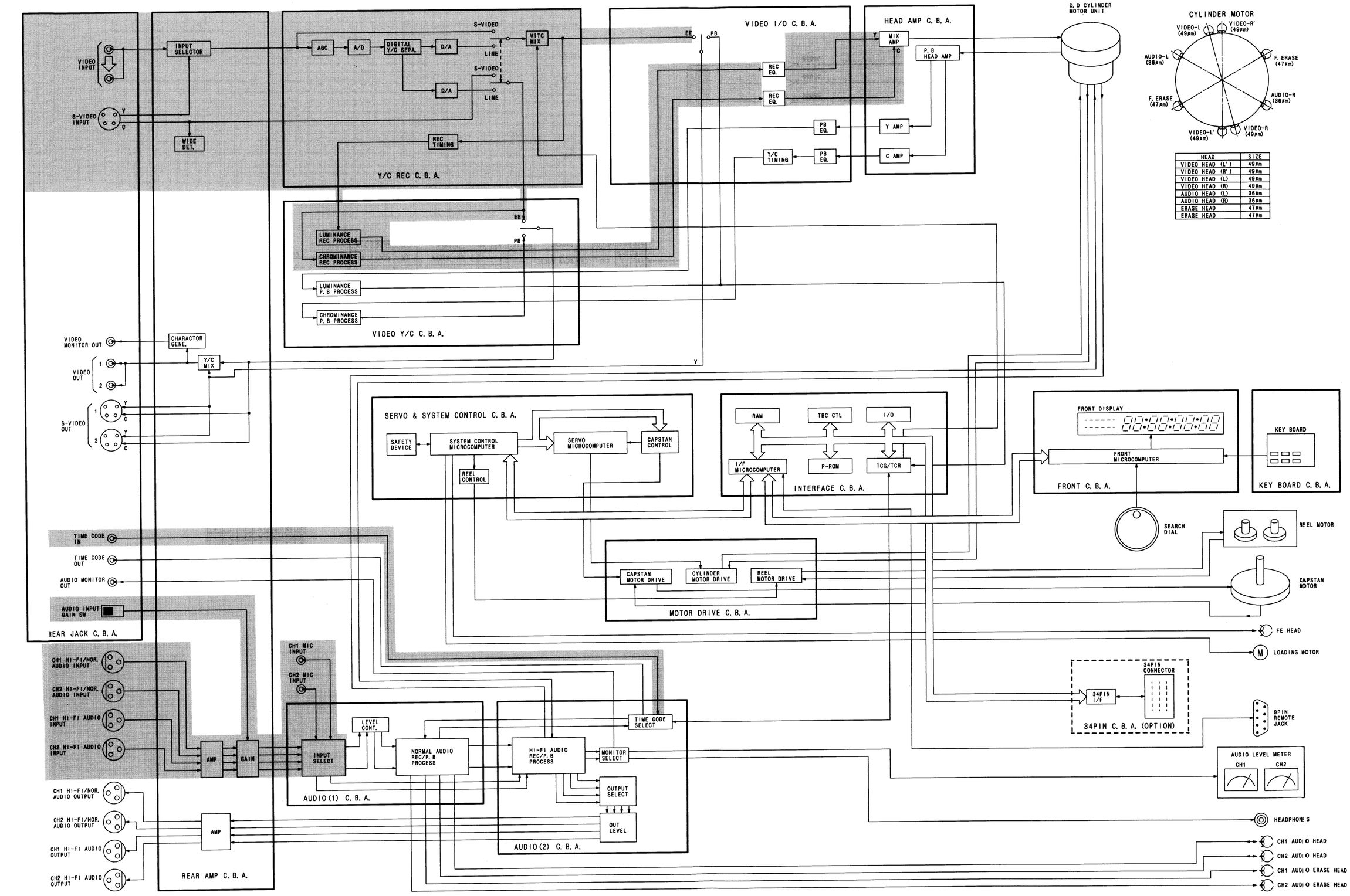
NORMAL AUDIO BLOCK DIAGRAM BLK-10

INTERFACE BLOCK DIAGRAM BLK-12

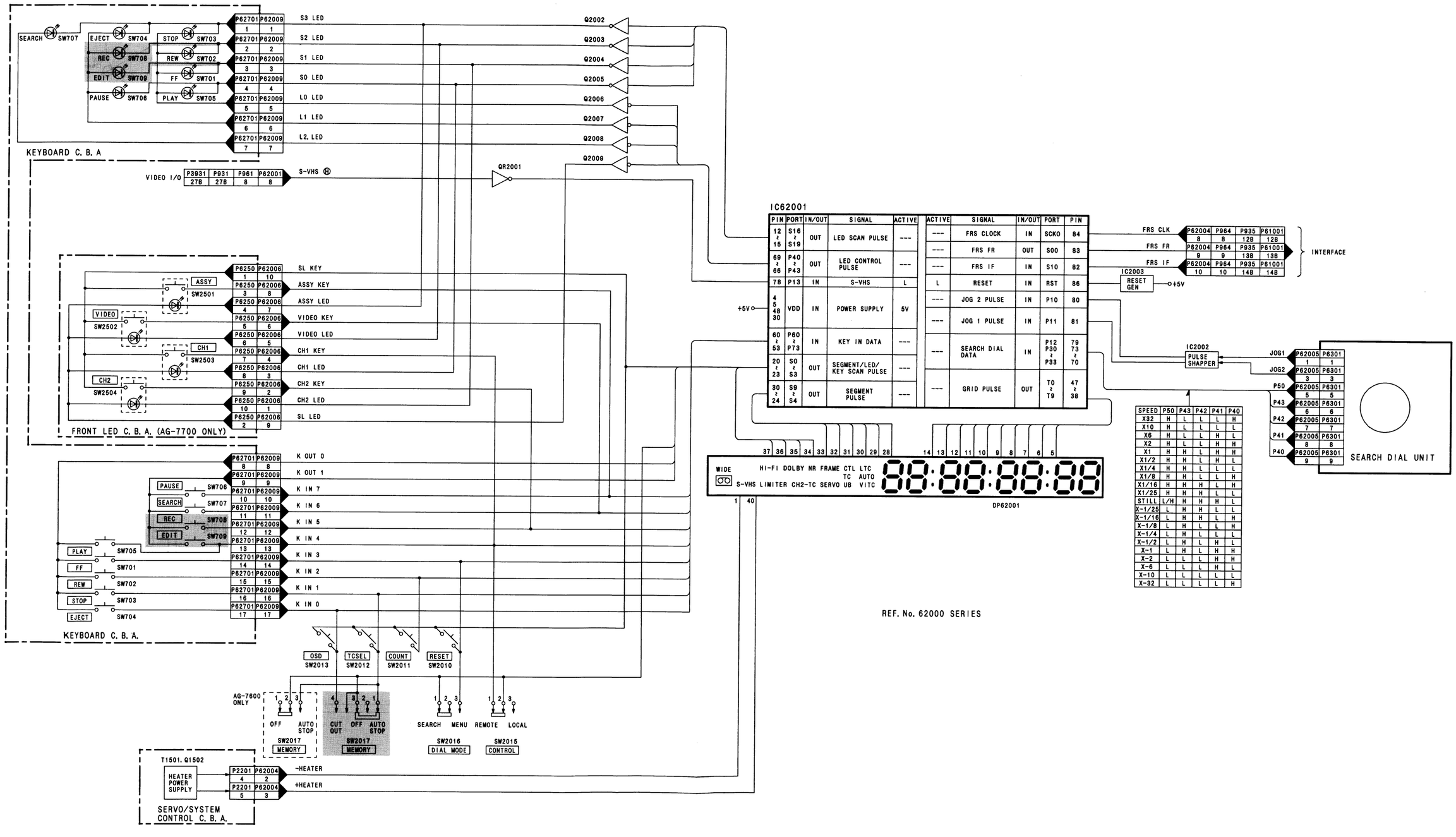
NOTE

THE AG-7700E ONLY HAVE COMPONENTS AND/OR WIRES IDENTIFIED BY SHADE MARK ON THESES BLOCK DIAGRAMS.

OVERALL BLOCK DIAGRAM



FRONT BLOCK DIAGRAM

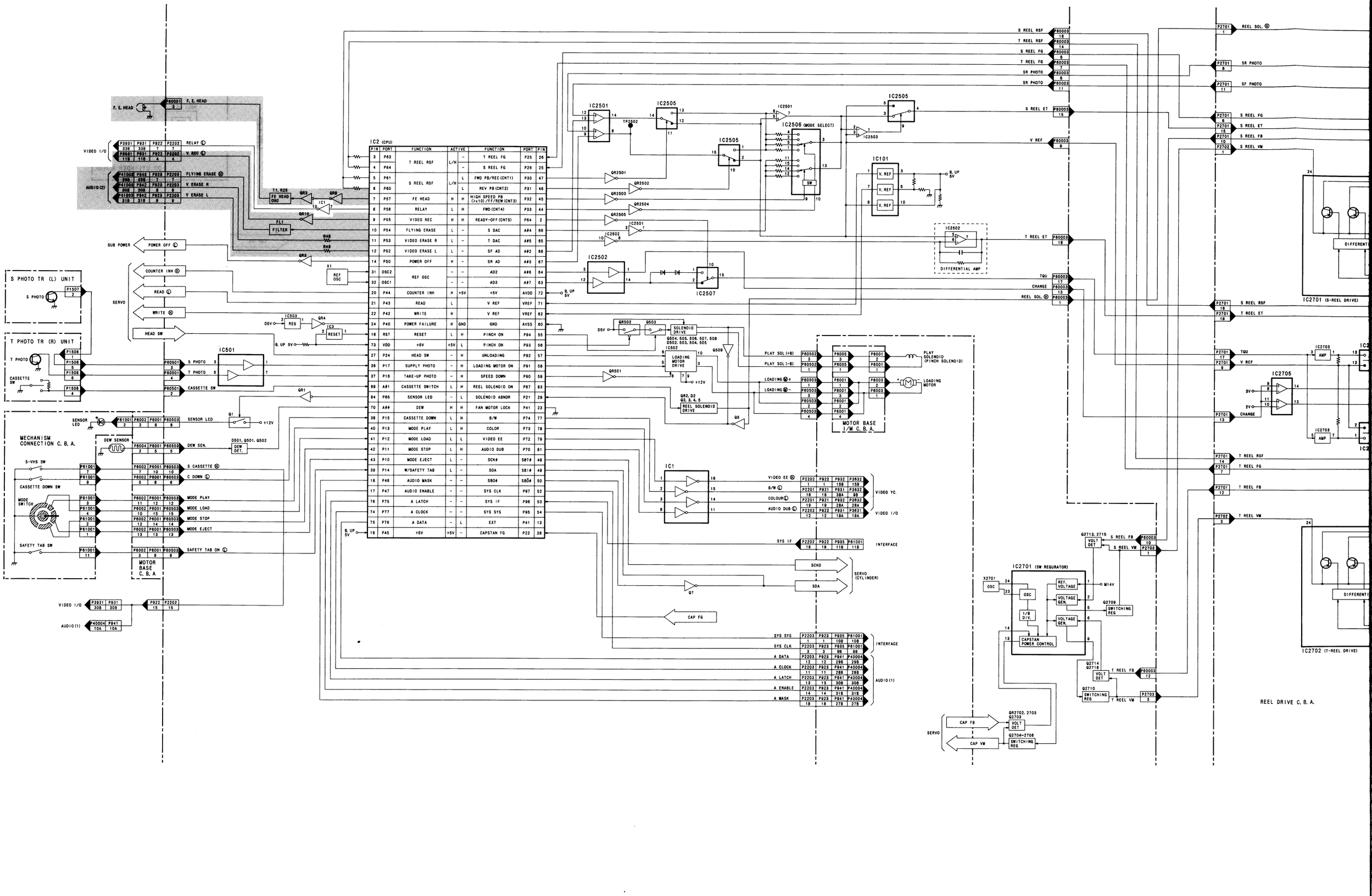


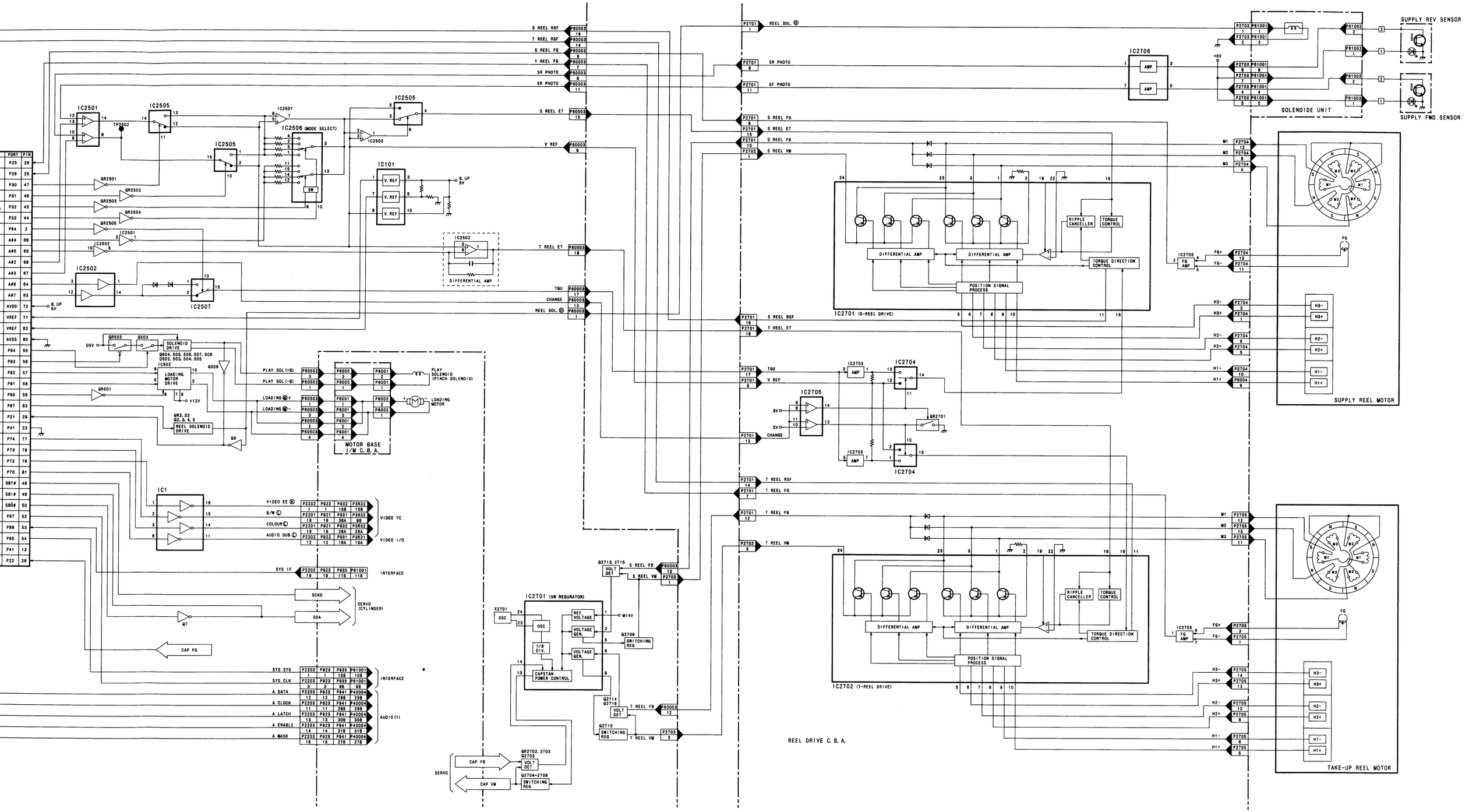
PIN	PORT	IN/OUT	SIGNAL	ACTIVE
12 ≈ 15	S16 ≈ S19	OUT	LED SCAN PULSE	---
69 ≈ 66	P40 ≈ P43	OUT	LED CONTROL PULSE	---
78	P13	IN	S-VHS	L
4 5 48 30	VDD	IN	POWER SUPPLY	5V
60 ≈ 53	P60 ≈ P73	IN	KEY IN DATA	---
20 ≈ 23	S0 ≈ S3	OUT	SEGMENT/LED/ KEY SCAN PULSE	---
30 ≈ 24	S9 ≈ S4	OUT	SEGMENT PULSE	---

ACTIVE	SIGNAL	IN/OUT	PORT	PIN
---	FRS CLOCK	IN	SCKO	84
---	FRS FR	OUT	S00	83
---	FRS IF	IN	S10	82
L	RESET	IN	RST	86
---	JOG 2 PULSE	IN	P10	80
---	JOG 1 PULSE	IN	P11	81
---	SEARCH DIAL DATA	IN	P12 P30 ≈ P33	79 73 ≈ 70
---	GRID PULSE	OUT	T0 ≈ T9	47 ≈ 38

SPEED	P50	P43	P42	P41	P40
X32	H	L	L	L	H
X10	H	L	L	L	L
X6	H	L	L	H	L
X2	H	L	L	H	H
X1	H	H	L	H	H
X1/2	H	H	L	H	L
X1/4	H	H	L	L	L
X1/8	H	H	L	L	H
X1/16	H	H	H	L	H
X1/25	H	H	H	L	L
STILL	L/H	H	H	H	L
X-1/25	L	H	H	L	L
X-1/16	L	H	H	L	H
X-1/8	L	H	L	L	H
X-1/4	L	H	L	L	L
X-1/2	L	H	L	H	L
X-1	L	H	L	H	H
X-2	L	L	L	H	H
X-6	L	L	L	H	L
X-10	L	L	L	L	L
X-32	L	L	L	L	H

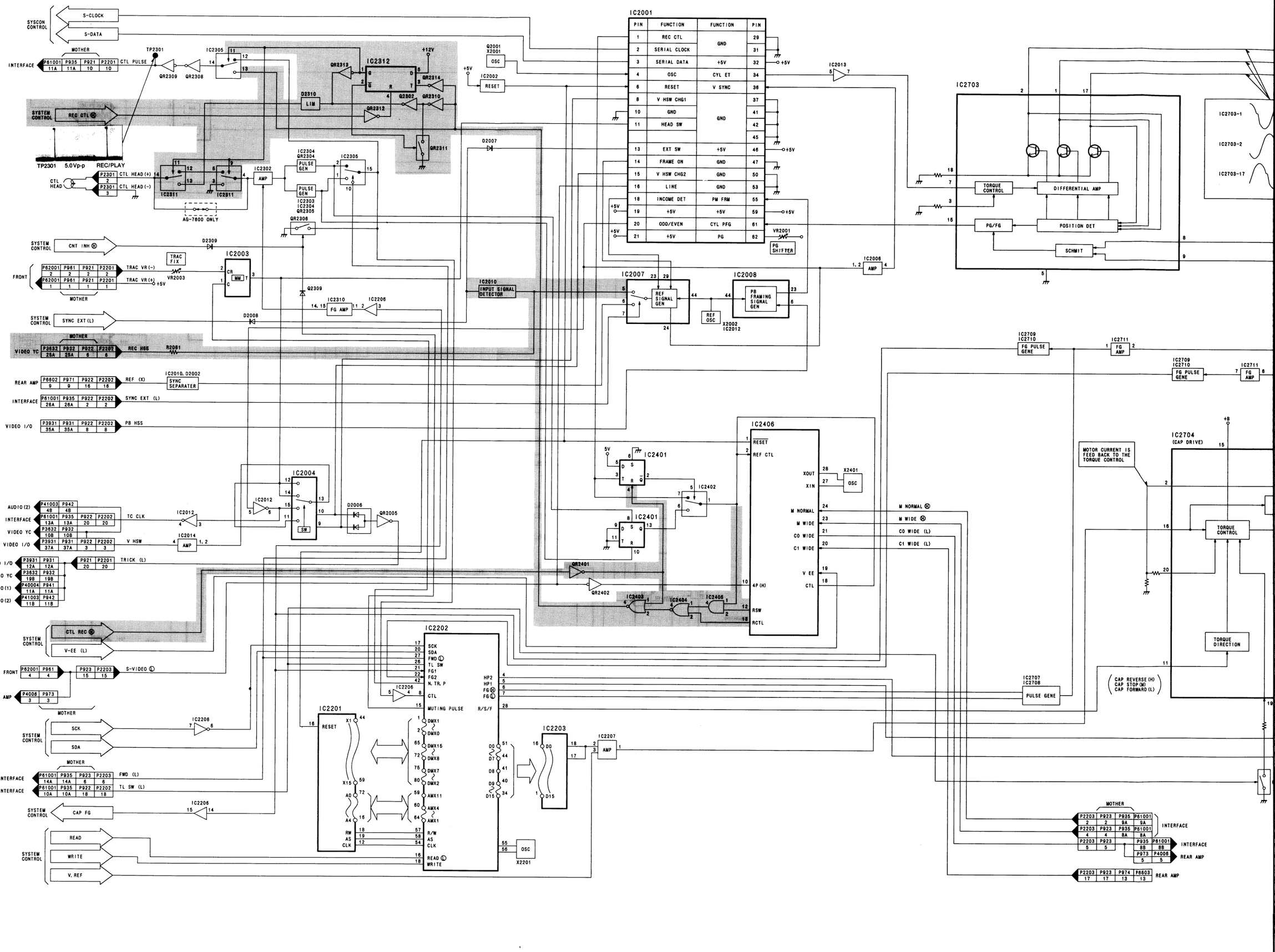
SYSTEM CONTROL BLOCK DIAGRAM




PORT PIN
P25 26
P26 25
P30 47
P31 46
P32 45
P33 44
P84 2
A04 66
A05 65
A02 68
A03 67
A06 64
A07 63
AVDD 72
VREF 71
VREF 62
AVSS 60
P94 55
P93 56
P92 57
P91 58
P90 59
P67 83
P21 29
P41 23
P74 77
P73 78
P72 79
P70 81
SBT0 48
SBI0 49
SBO0 50
P97 52
P96 53
P95 54
P41 13
P22 28
IC2501
IC2505
IC2506 (MODE SELECT)
IC101
V. REF
B. UP 5V
IC2502
IC2507
DIFFERENTIAL AMP
QR2501
QR2502
QR2503
QR2504
QR2505
QR502
Q503
SOLENOID DRIVE
Q504, 505, 506, 507, 508
D502, 503, 504, 505
Q509
IC502
LOADING MOTOR DRIVE
+12V
QR501
QR2, D2
Q2, 3, 4, 5
REEL SOLENOID DRIVE
Q6
D5V
PLAY SOL (+B)
PLAY SOL (−B)
LOADING M+
LOADING M−
PLAY SOLENOID (PINCH SOLENOID)
LOADING MOTOR
MOTOR BASE
I/M C. B. A.
IC1
VIDEO EE
B/W
COLOUR
AUDIO DUB
VIDEO YC
VIDEO I/O
SYS I/F
INTERFACE
SCKO
SDA
SERVO (CYLINDER)
Q7
CAP FG
SYS SYS
SYS CLK
A DATA
A CLOCK
A LATCH
A ENABLE
A MASK
AUDIO (1)
S REEL RSF
T REEL RSF
S REEL FG
T REEL FG
SR PHOTO
SR PHOTO
S REEL ET
V REF
T REEL ET
TQU
CHANGE
REEL SOL
REEL SOL
SR PHOTO
SF PHOTO
S REEL FG
S REEL ET
S REEL FB
S REEL VM
IC2706
AMP
+5V
SOLENOIDE UNIT
SUPPLY REV SENSOR
SUPPLY FWD SENSOR
IC2701 (S-REEL DRIVE)
DIFFERENTIAL AMP
DIFFERENTIAL AMP
RIPPLE CANCELLER
TORQUE CONTROL
TORQUE DIRECTION CONTROL
POSITION SIGNAL PROCESS
IC2705
FG AMP
FG
SUPPLY REEL MOTOR
S REEL RSF
T REEL ET
TQU
V REF
CHANGE
IC2703
IC2704
QR2701
3V
2V
T REEL RSF
T REEL FG
T REEL FB
T REEL VM
IC2702 (T-REEL DRIVE)
TAKE-UP REEL MOTOR
REEL DRIVE C. B. A.
IC2701 (SW REGURATOR)
X2701
OSC
1/8 DIV.
CAPSTAN POWER CONTROL
REF. VOLTAGE
VOLTAGE GEN.
SWITCHING REG
M14V
Q2709
Q2713, 2715
Q2714
Q2716
Q2710
VOLT DET
Q2702, 2703
Q2708
Q2704–2706
CAP FB
CAP VM
SERVO

BLK—5

SERVO BLOCK DIAGRAM

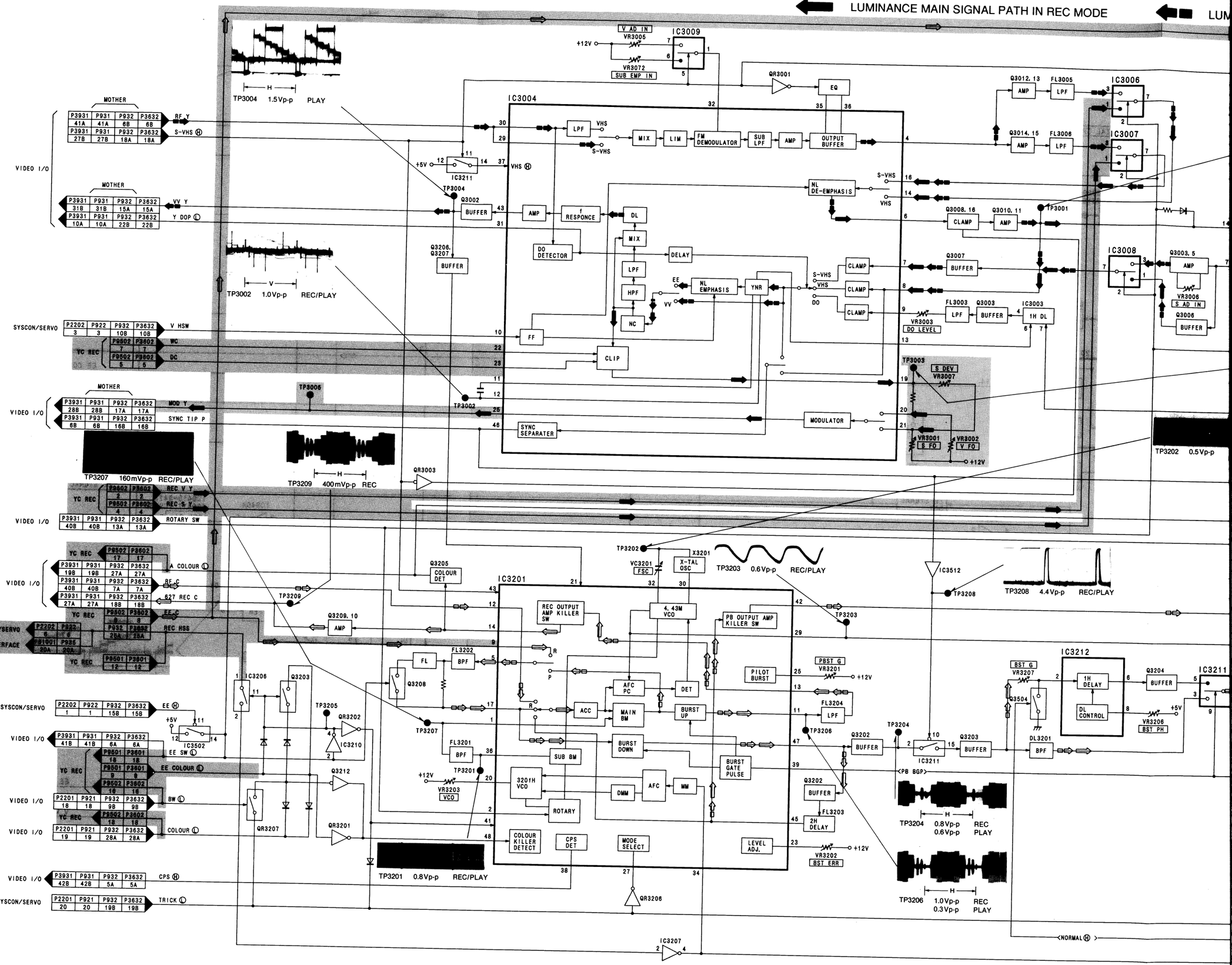


IC2001

PIN	FUNCTION	FUNCTION	PIN
1	REC CTL	GND	29
2	SERIAL CLOCK		31
3	SERIAL DATA	+5V	32
4	OSC	CYL ET	34
6	RESET	V SYNC	36
8	V HSW CHG1	GND	37
10	GND		41
11	HEAD SW		42
			45
13	EXT SW	+5V	46
14	FRAME ON	GND	47
15	V HSW CHG2	GND	50
16	LINE	GND	53
18	INCOME DET	PM FRM	55
19	+5V	+5V	59
20	ODD/EVEN	CYL PFG	61
21	+5V	PG	62

Q2001 X2001 OSC
IC2002 RESET
D2007
IC2010 INPUT SIGNAL DETECTOR
IC2013
IC2703
TORQUE CONTROL
DIFFERENTIAL AMP
PG/FG
POSITION DET
SCHMIT
IC2703-1
IC2703-2
IC2703-17
13.5Vp-p
IC2703-8 0.3Vp-p
IC2703-9
5.6msec
VR2001 PG SHIFTER
IC2006 AMP
IC2007 REF SIGNAL GEN
IC2008 PB FRAMING SIGNAL GEN
REF OSC
X2002 IC2012
M1 P2701 10
M2 P2701 1
M3 P2701 4
MOTOR 14V
VM P2701 7
VH+ P2701 2
HE- P2701 9
HE+ P2701 3
HALL IC
HCM
HEM
DD CYLINDER MOTOR
CAP VM
CAP FB
SYSTEM CONTROL
IC2709 IC2710 FG PULSE GENE
IC2711 FG AMP
IC2704 (CAP DRIVE)
MOTOR CURRENT IS FEED BACK TO THE TORQUE CONTROL
MOTOR DRIVE
RIPPLE CANCEL
TORQUE CONTROL
DIFFERENTIAL AMPLIFIER
TORQUE DIRECTION
POSITION SIGNAL PROCESS
IC2704 ① ③ ② 2.5Vp-p
M1 P2702 6
M2 P2702 4
M3 P2702 15
FG1 P2702 3
FG2 P2702 5
90° PHASE DIFFERENCE
H3- P2702 7
H3+ P2702 9
H2- P2702 10
H2+ P2702 12
H1- P2702 11
H1+ P2702 13
DD CAPSTAN MOTOR
IC2707 IC2708 PULSE GENE
(CAP REVERSE (H) CAP STOP (M) CAP FORWARD (L))
IC2705. IC2706 WAVE FORM SHARPER & AMP
QR2701
IC2406
RESET
REF CTL
XOUT
XIN
X2401 OSC
M NORMAL
M WIDE
CO WIDE
C1 WIDE
V EE
CTL
4P (H)
RSW
RCTL
M NORMAL (H)
M WIDE (H)
CO WIDE (L)
C1 WIDE (L)
IC2401
IC2402
IC2403
IC2404
IC2405
QR2401
QR2402
IC2202
SCK
SDA
FWD (L)
TL SW
FG1
FG2
N. TR. P
CTL
MUTING PULSE
R/S/F
DMX1 ~ DMX0
DMX15 ~ DMX8
DMX7 ~ DMX2
AMX11
AMX4 ~ AMX1
R/W
AS
CLK
READ (L)
WRITE
HP2
HP1
FG (M)
FG (L)
IC2203
IC2207 AMP
OSC
X2201
MOTHER
P2203 P923 P935 P61001 2 2 9A 9A
P2203 P923 P935 P61001 4 4 8A 8A
P2203 P923 5 5 P935 P61001 8B 8B
P973 P4006 5 5
INTERFACE
REAR AMP
P2203 P923 P974 P6603 17 17 13 13
REAR AMP

VIDEO YC BLOCK DIAGRAM

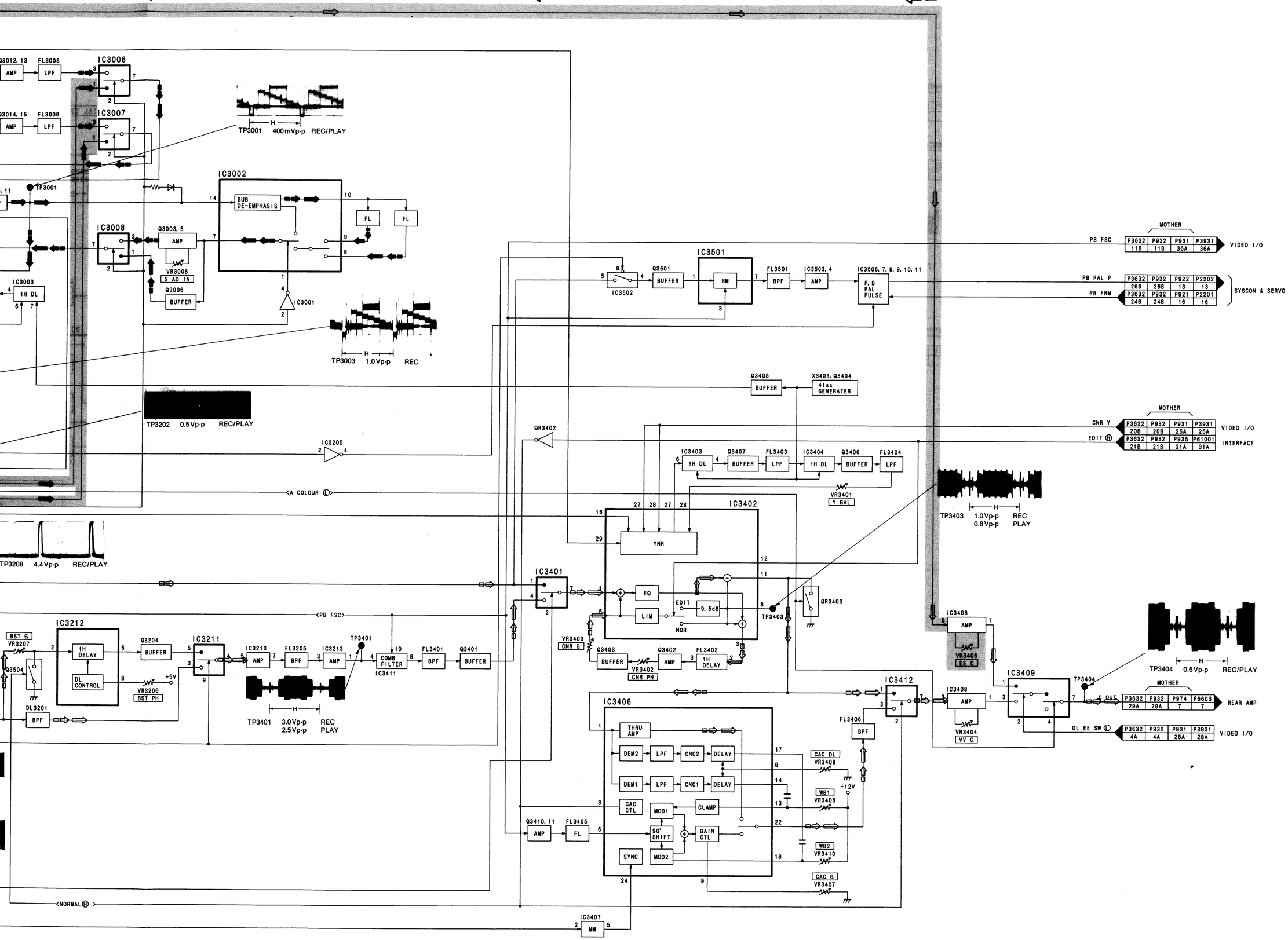


TH IN REC MODE

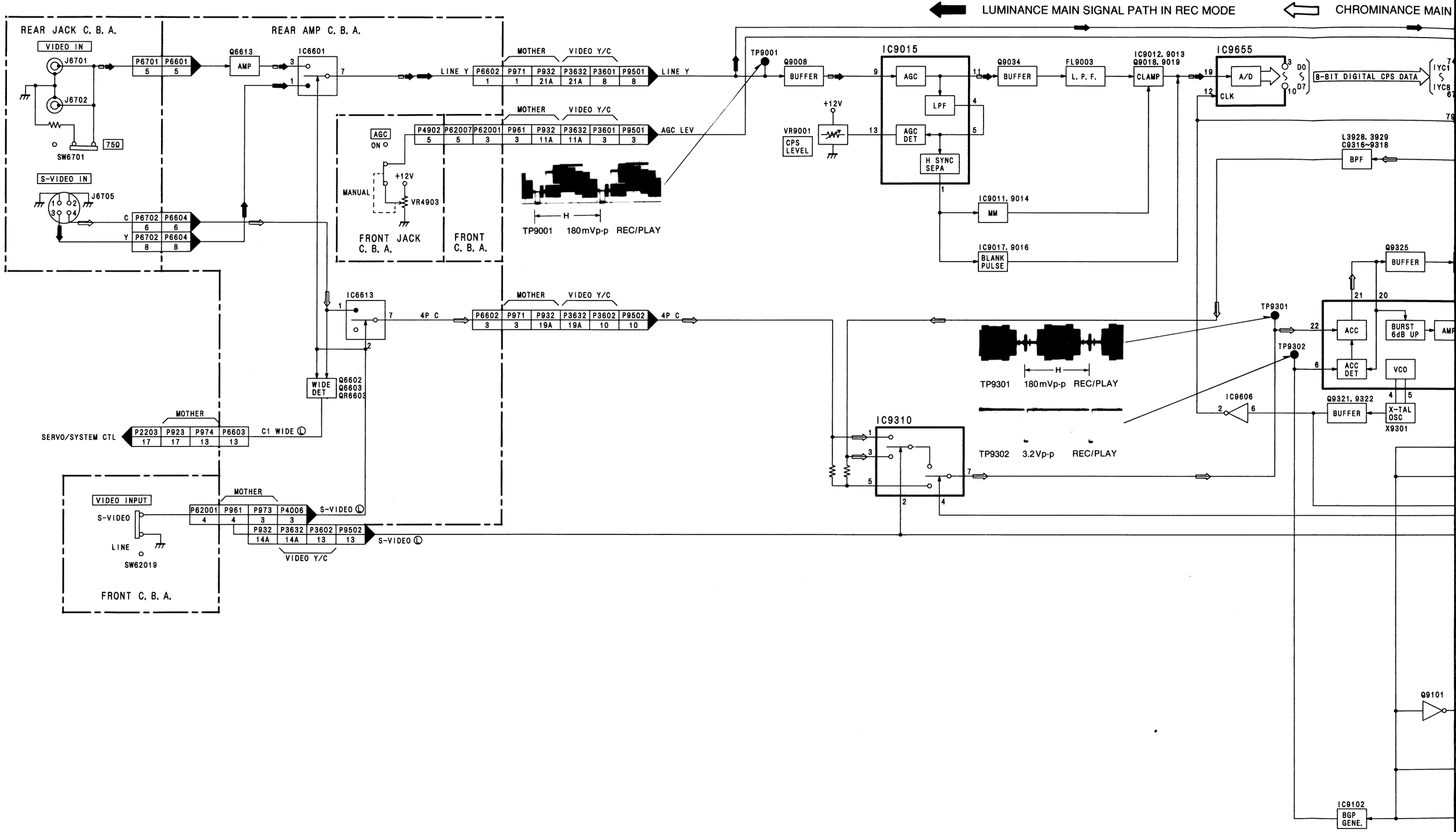
LUMINANCE MAIN SIGNAL PATH IN PLAYBACK MODE

CHROMINANCE MAIN SIGNAL PATH IN REC MODE

CHROMINANCE MAIN SIGNAL PATH IN PLAYBACK MODE



YC REC BLOCK DIAGRAM



CHROMINANCE MAIN SIGNAL PATH IN REC MODE

COMPOSITE MAIN SIGNAL PATH IN REC MODE

TP9108 1.0Vp-p REC/PLAY

TP9305 480mVp-p REC/PLAY

IC9601

8-BIT DIGITAL CPS DATA

DIGITAL Y/C SEPA

CLK

Q9221 BUFFER

IC9209 AMP

IC9115

AGC

LPF

AGC DET

H SYNC SEPA

Q9134 BUFFER

FL9103 L. P. F.

IC9112, 9113 Q9118, 9119 CLAMP

IC9101 VITC MIX

Q9102 BUFFER

TP9108

+12V

VR9106 EE Y LEVEL

L3928, 3929 C9316~9318 BPF

EE COLOUR Ⓛ

IC9106, 9114 MM

VITC REC — P9501 16 | P3601 16 | P3632 1A | P932 1A | P935 22B | P61001 22B — INTERFACE

EE Y — P9501 6 | P3601 6 | P3632 10A | P932 10A | P931 37B | P3931 37B — VIDEO I/O

VITC MUTE — P9501 15 | P3601 15 | P3632 3A | P932 3A | P935 22A | P61001 22A — INTERFACE

Q9325 BUFFER

FL9302 BPF

Q3919 AMP

Q9326 BUFFER

Q3920 BUFFER

TP9305

IC9403

Q9401 BUFFER

IC9401 B. M

FL9401 B. P. F.

IC9405, 9406 AMP

TP9301

TP9302

ACC

ACC DET

BURST 6dB UP

AMP

VCO

X-TAL OSC X9301

Q9321, 9322 BUFFER

Q9324 QR9307

D9301 QR9316 D9302

IC9404 PULSE GEN.

EE SIGNAL DET. IC9104, 9105

IC9201

IC9404

IC9410~9413, IC9417, IC9035 REC PAL PULSE

EE C — P9502 8 | P3602 8 — VIDEO Y/C

EE COLOUR Ⓛ — P9501 9 | P3601 9 — VIDEO Y/C

COLOUR Ⓛ — P9502 18 | P3602 18 — VIDEO Y/C

P3632 28A | P932 28A | P921 19 | P2201 19 — SERVO/SYSCON

B/W Ⓛ — P9502 16 | P3602 16 — VIDEO Y/C

P3632 9B | P932 9B | P921 18 | P2201 18 — SERVO/SYSCON

EE SIGNAL DET Ⓛ — P9502 11 | P3602 11 | P3632 30A | P932 30A | P935 31B | P61001 31B — INTERFACE

REC PAL PULSE — P9501 14 | P3601 14 | P3632 26A | P932 26A | P921 17 | P2201 17 — SERVO/SYSCON

REC FRM — P9501 13 | P3601 13 | P3632 24A | P932 24A | P921 8 | P2201 8 — SERVO/SYSCON

DL9201 DELAY

Q9104, 9110 AMP

DL9202 DELAY

Q9207 BUFFER

IC9103 AMP

VR9232 SUB EMP

FL9101 LPF

IC9212 1H DL / DL CONTROL

VR9212 REC S TMG

Q9108 BUFFER

TP9101

REC SY — P9502 4 | P3602 4

Q9107 BUFFER

IC9103 AMP

VR9202 V DEV

FL9102 LPF

IC9222 1H DL / DL CONTROL

VR9222 REC V TMG

Q9109 BUFFER

TP9102

REC VY — P9502 2 | P3602 2

VIDEO Y/C

TP9101 240mVp-p REC / 16mVp-p PLAY

TP9102 240mVp-p REC / 16mVp-p PLAY

QR9101

Q9101

Q9202 BUFFER

IC9202

IC9203 AMP AMP

IC9204

VR9201 V METER

IC9102 BGP GENE.

EE SW Ⓛ — P9501 18 | P3601 18 — VIDEO Y/C

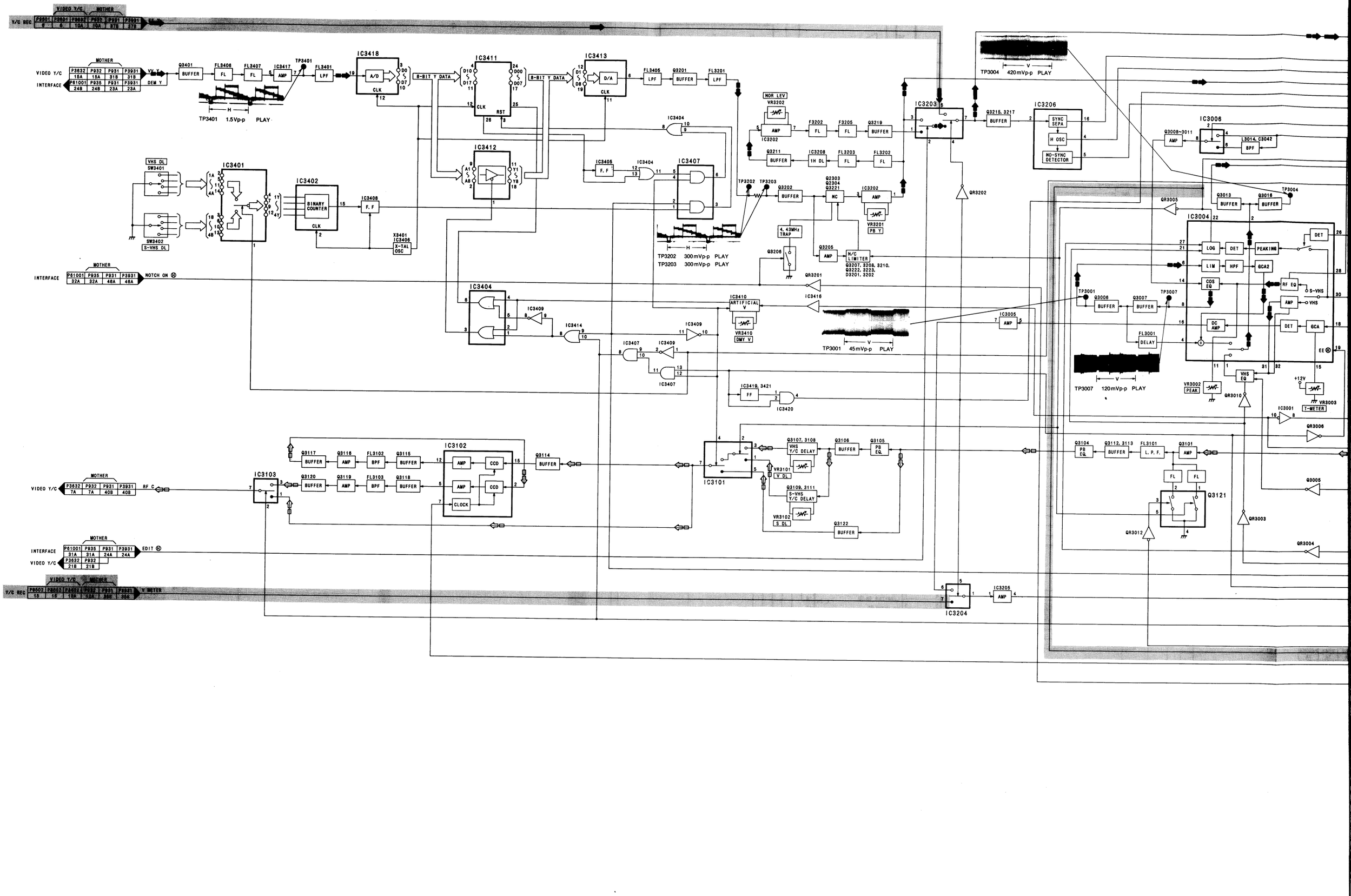
P3632 6A | P932 6A | P931 41B | P3931 41B — VIDEO I/O

V METER — P9502 15 | P3602 15 | P3632 12A | P932 12A | P931 35B | P3931 35B — VIDEO I/O

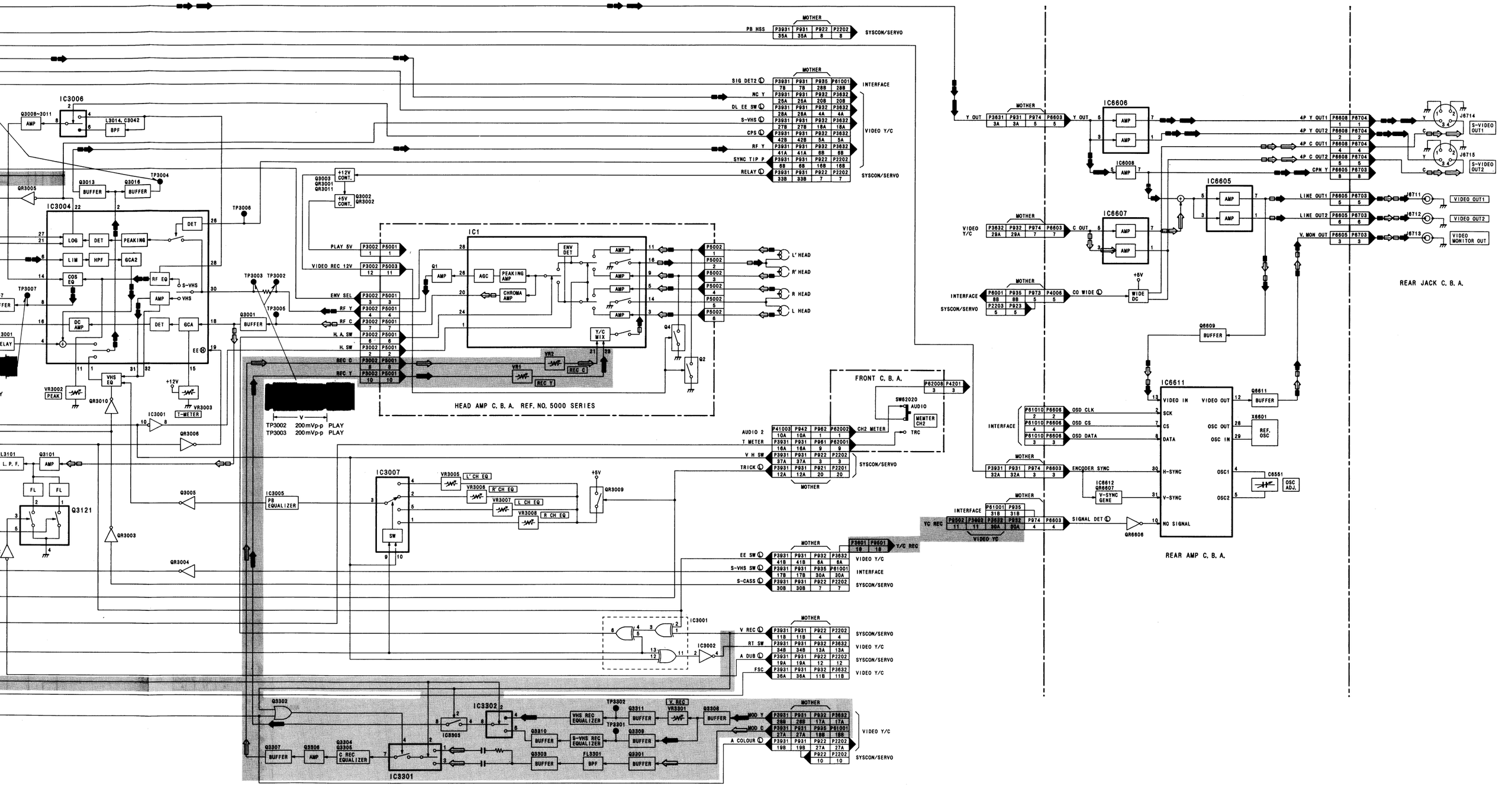
REC HSS — P9501 12 | P3601 12 — VIDEO Y/C

P3632 25A | P932 25A | P922 6 | P2201 6 — SERVO/SYSCON

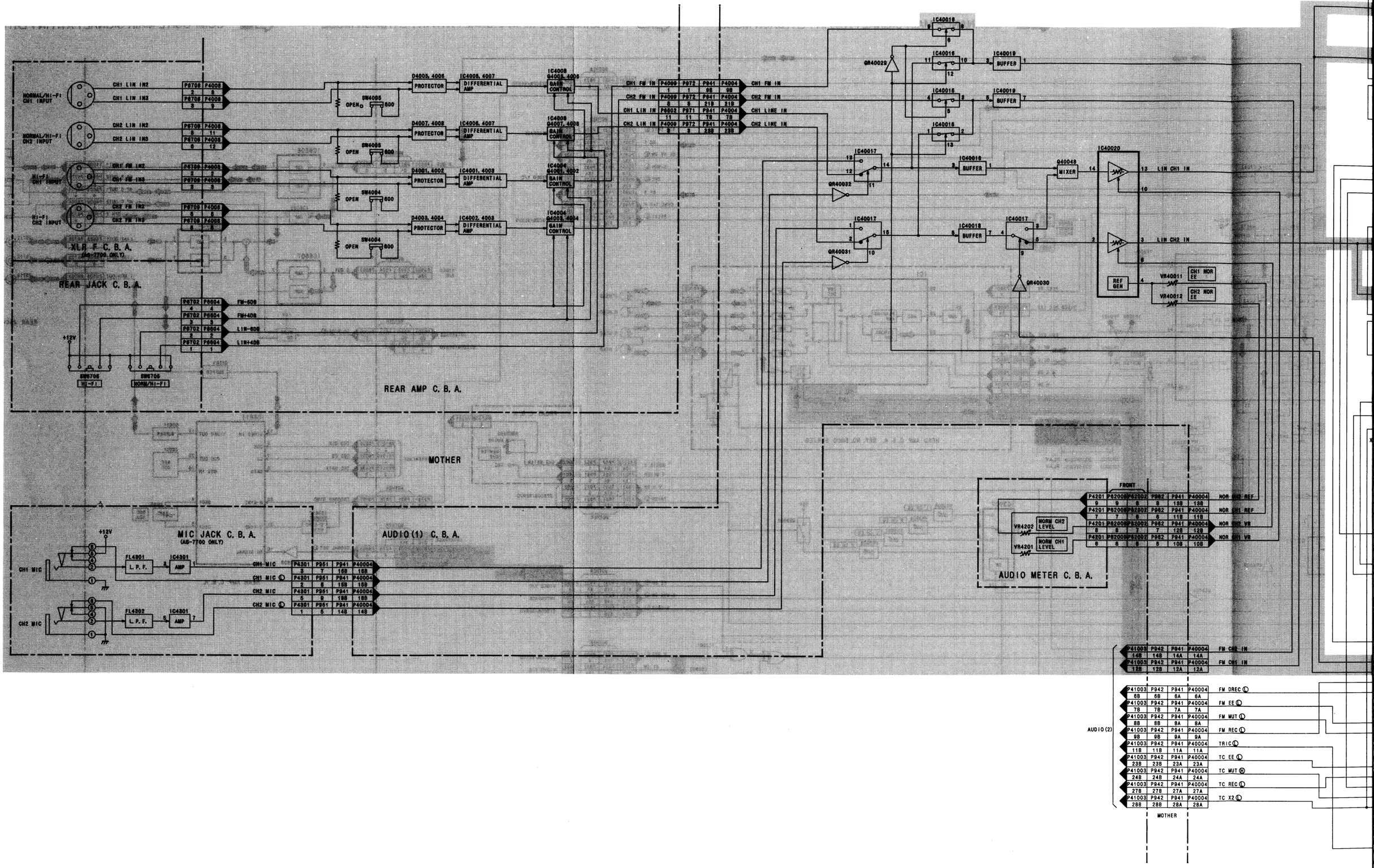
VIDEO I/O BLOCK DIAGRAM

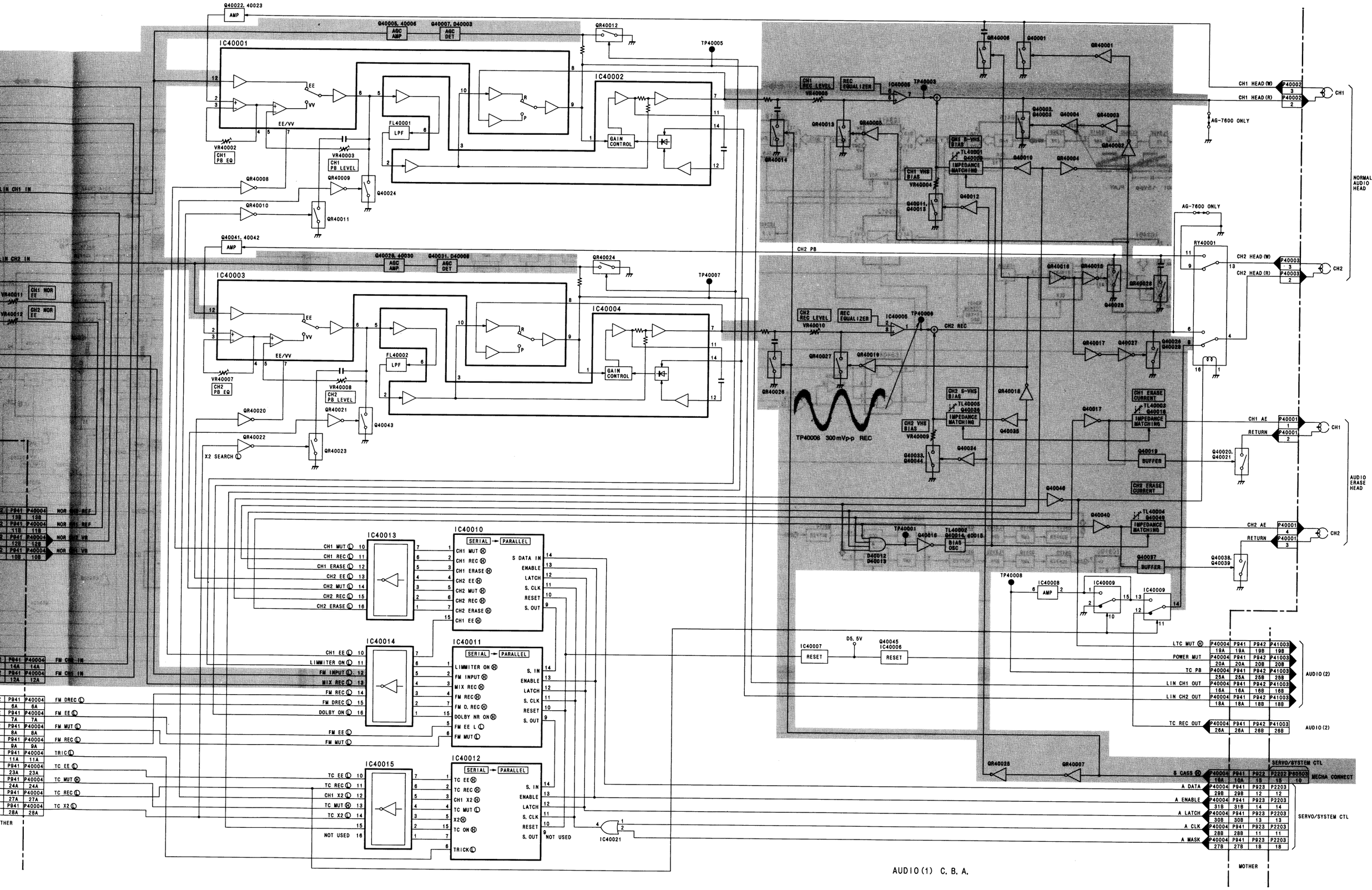


LUMINANCE MAIN SIGNAL PATH IN REC MODE
LUMINANCE MAIN SIGNAL PATH IN PLAYBACK MODE
CHROMINANCE MAIN SIGNAL PATH IN REC MODE
CHROMINANCE MAIN SIGNAL PATH IN PLAYBACK MODE
COMPOSITE MAIN SIGNAL PATH IN REC MODE
COMPOSITE MAIN SIGNAL PATH IN PLAYBACK MODE



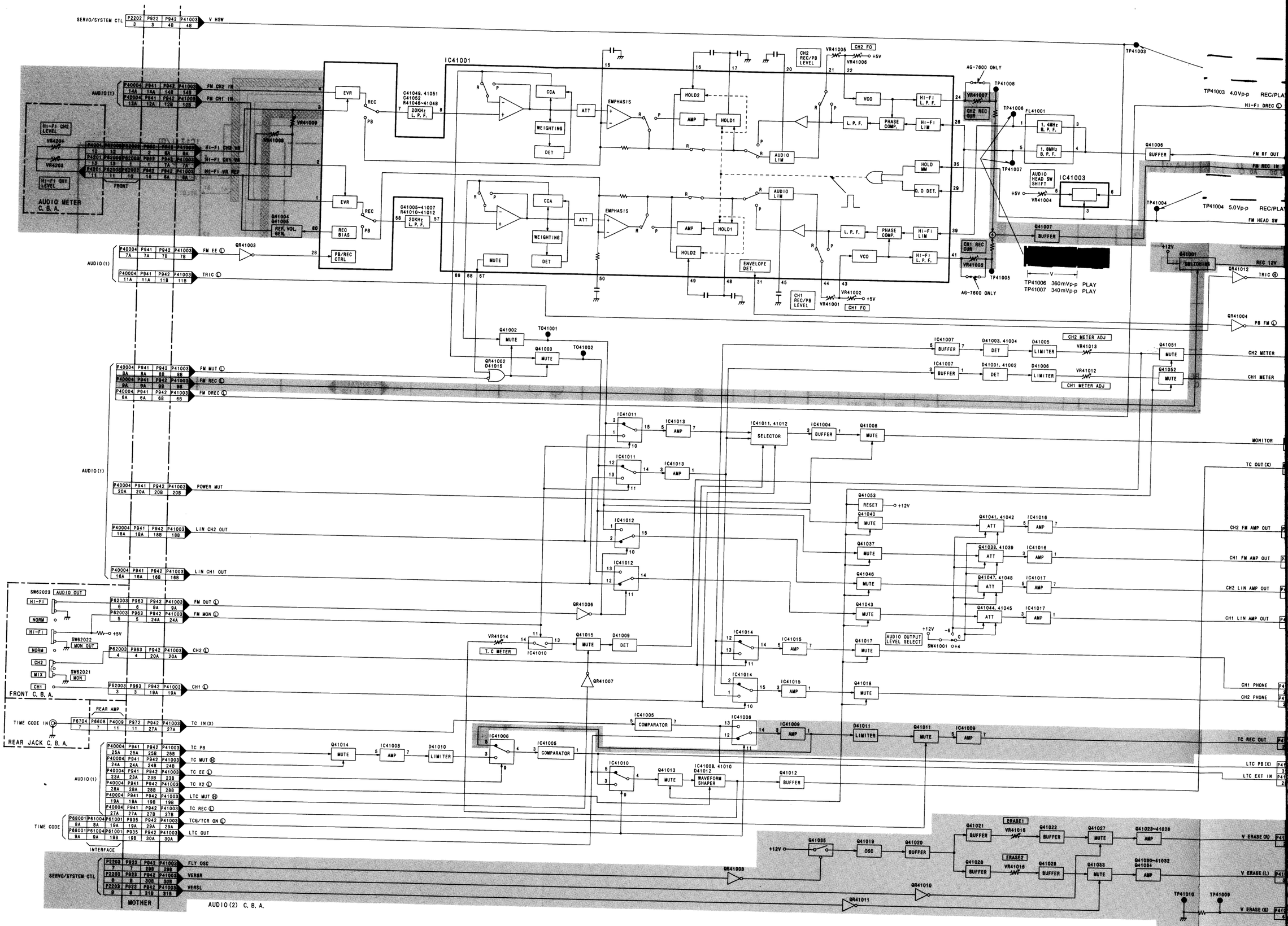
NORMAL AUDIO BLOCK DIAGRAM

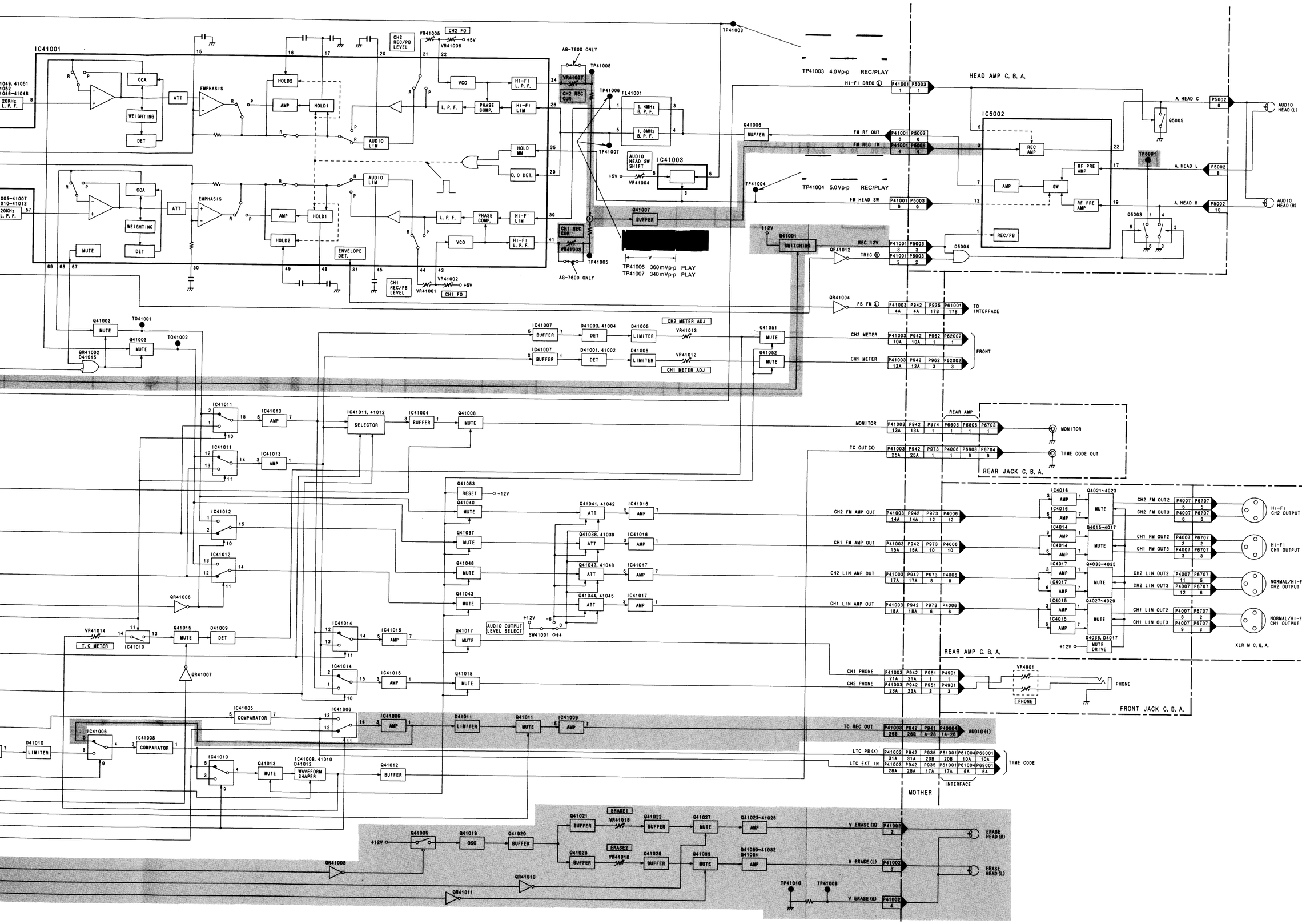



Q40022, 40023
AMP
Q40005, 40006
AGC AMP
Q40007, D40008
AGC DET
IC40001
IC40002
QR40012
TP40005
EE
VV
EE/VV
FL40001
LPF
GAIN CONTROL
VR40002
CH1 PB EQ
VR40003
CH1 PB LEVEL
QR40008
QR40009
QR40010
QR40011
Q40024
Q40041, 40042
Q40026, 40030
Q40031, D40008
IC40003
IC40004
TP40007
FL40002
VR40007
CH2 PB EQ
VR40008
CH2 PB LEVEL
QR40020
QR40021
QR40022
QR40023
Q40043
X2 SEARCH
CH1 REC LEVEL
VR40006
REC EQUALIZER
IC40005
TP40003
QR40006
Q40001
QR40001
QR40013
QR40005
QR40014
CH1 S-VHS BIAS
TL40001
Q40009
IMPEDANCE MATCHING
Q40002, Q40003
Q40004
QR40003
QR40002
Q40010
QR40004
CH1 VHS BIAS
VR40004
Q40011, Q40013
Q40012
CH1 HEAD (W)
CH1 HEAD (R)
P40002
CH1
AG-7600 ONLY
NORMAL AUDIO HEAD
CH2 PB
CH2 REC LEVEL
VR40010
IC40006
TP40006
CH2 REC
QR40026
QR40027
QR40019
TP40006 300mVp-p REC
CH2 S-VHS BIAS
TL40005
Q40036
IMPEDANCE MATCHING
QR40018
Q40035
CH2 VHS BIAS
VR40009
Q40033, Q40044
Q40034
QR40016
QR40015
Q40025
RY40001
CH2 HEAD (W)
CH2 HEAD (R)
P40003
CH2
QR40017
Q40027
Q40026, Q40028
CH1 ERASE CURRENT
TL40003
Q40018
IMPEDANCE MATCHING
CH1 AE
RETURN
P40001
CH1
Q40017
Q40019
BUFFER
Q40020, Q40021
CH2 ERASE CURRENT
Q40046
Q40040
TL40004
Q40040
IMPEDANCE MATCHING
CH2 AE
RETURN
CH2
TP40001
Q40016
TL40002
Q40014, 40015
BIAS OSC
D40012
D40013
Q40037
BUFFER
Q40038, Q40039
AUDIO ERASE HEAD
TP40008
IC40008
AMP
IC40009
IC40007
RESET
D5.5V
Q40045
IC40006
RESET
IC40013
IC40014
IC40015
IC40010
IC40011
IC40012
SERIAL → PARALLEL
CH1 MUT L
CH1 REC L
CH1 ERASE L
CH2 EE L
CH2 MUT L
CH2 REC L
CH2 ERASE L
CH1 EE L
LIMMITER ON L
FM INPUT L
MIX REC L
FM REC L
FM DREC L
DOLBY ON L
TC EE L
TC REC L
CH1 X2 L
TC MUT L
TC X2 L
NOT USED
CH1 MUT H
CH1 REC H
CH1 ERASE H
CH2 EE H
CH2 MUT H
CH2 REC H
CH2 ERASE H
CH1 EE H
LIMMITER ON H
FM INPUT H
MIX REC H
FM REC H
FM D. REC H
DOLBY NR ON H
FM EE L L
FM MUT L
TC EE H
TC REC H
CH1 X2 H
TC MUT L
X2 H
TC ON H
TRICK L
S DATA IN
ENABLE
LATCH
S. CLK
RESET
S. OUT
S. IN
IC40021
NOT USED
FM DREC L
FM EE L
FM MUT L
FM REC L
TRIC L
TC EE L
TC MUT H
TC REC L
TC X2 L
OTHER
LTC MUT H
POWER MUT
TC PB
LIN CH1 OUT
LIN CH2 OUT
TC REC OUT
AUDIO (2)
S CASS H
A DATA
A ENABLE
A LATCH
A CLK
A MASK
SERVO/SYSTEM CTL
MECHA CONNECT
SERVO/SYSTEM CTL
MOTHER

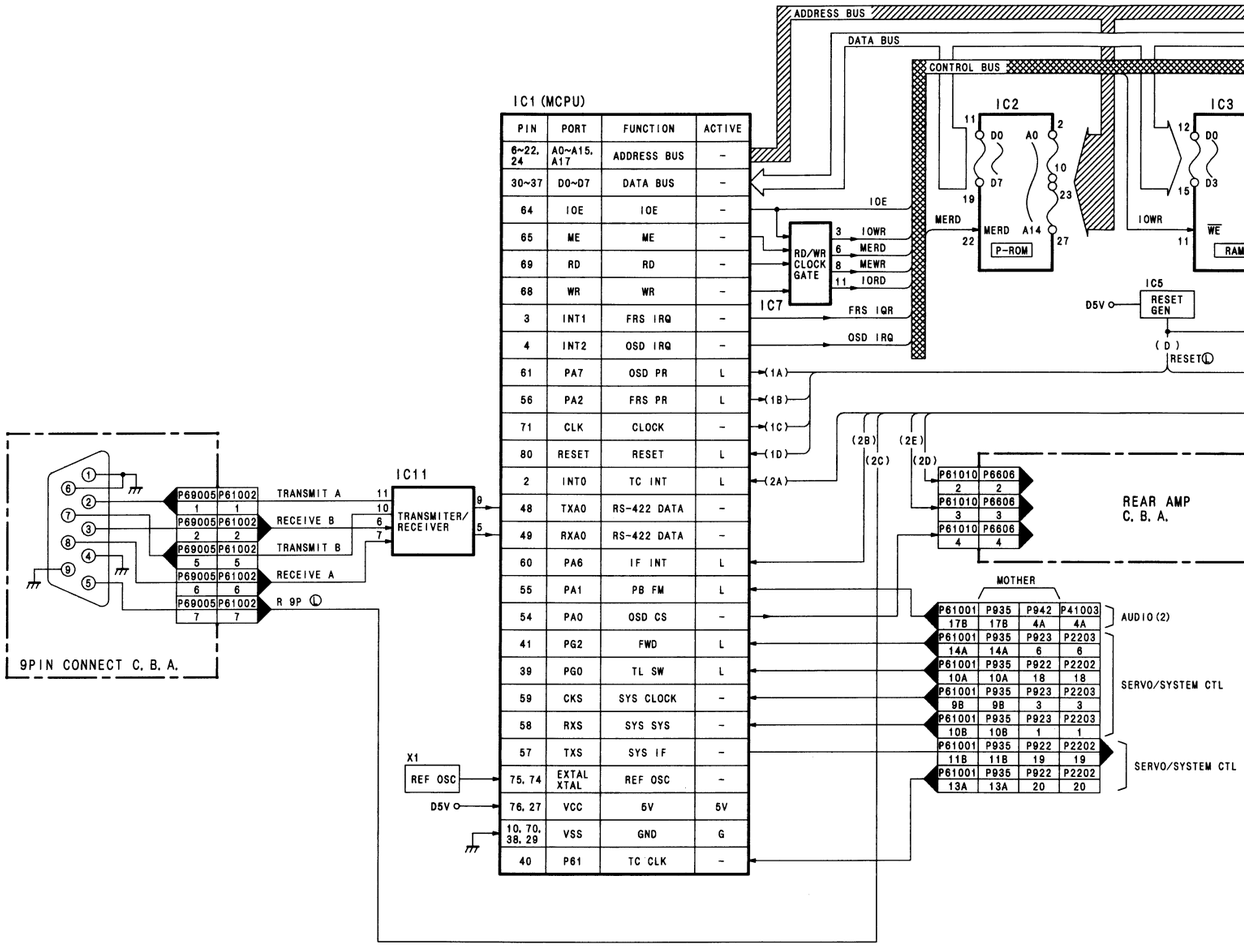
AUDIO (1) C. B. A.

HI-FI AUDIO BLOCK DIAGRAM




IC41001
CCA
ATT
EMPHASIS
WEIGHTING
DET
MUTE
HOLD2
AMP
HOLD1
AUDIO LIM
VCO
PHASE COMP.
HI-FI L.P.F.
HI-FI LIM
L.P.F.
HOLD MM
D.O DET.
ENVELOPE DET.
CH2 REC/PB LEVEL
CH2 FO
CH1 REC/PB LEVEL
CH1 FO
AG-7600 ONLY
CH2 REC CUR
CH1 REC CUR
FL41001
1.4MHz B.P.F.
1.8MHz B.P.F.
AUDIO HEAD SW SHIFT
IC41003
TP41003
TP41004
TP41005
TP41006
TP41007
TP41008
TP41006 360mVp-p PLAY
TP41007 340mVp-p PLAY
TP41003 4.0Vp-p REC/PLAY
TP41004 5.0Vp-p REC/PLAY
HEAD AMP C. B. A.
IC5002
REC AMP
RF PRE AMP
SW
REC/PB
A. HEAD C
A. HEAD L
A. HEAD R
AUDIO HEAD (L)
AUDIO HEAD (R)
Q5005
Q5003
TP5001
Q41006 BUFFER
Q41007 BUFFER
Q41001 SWITCHING
Q41002 MUTE
Q41003 MUTE
Q41051 MUTE
Q41052 MUTE
Q41053 RESET
Q41040 MUTE
Q41037 MUTE
Q41046 MUTE
Q41043 MUTE
Q41017 MUTE
Q41018 MUTE
Q41008 MUTE
Q41012 BUFFER
Q41011 MUTE
Q41013 MUTE
Q41015 MUTE
Q41021 BUFFER
Q41022 BUFFER
Q41027 MUTE
Q41028 BUFFER
Q41029 BUFFER
Q41033 MUTE
Q41035
Q41019 OSC
Q41020 BUFFER
Q41004 BUFFER
Q41014 BUFFER
QR41001 SWITCHING
QR41002 D41015
QR41004
QR41006
QR41007
QR41008
QR41010
QR41011
QR41012 D5004
IC41004 BUFFER
IC41005 COMPARATOR
IC41006
IC41007 BUFFER
IC41008, 41010 D41012 WAVEFORM SHAPER
IC41009 AMP
IC41010
IC41011
IC41012
IC41013 AMP
IC41014
IC41015 AMP
IC41016 AMP
IC41017 AMP
IC41018 AMP
IC41011, 41012 SELECTOR
IC41041, 41042 ATT
IC41038, 41039 ATT
IC41047, 41048 ATT
IC41044, 41045 ATT
D41001, 41002 DET
D41003, 41004 DET
D41005 LIMITER
D41006 LIMITER
D41009 DET
D41010 LIMITER
D41011 LIMITER
VR41001
VR41002
VR41003
VR41004
VR41005
VR41006
VR41007
VR41008
VR41012
VR41013
VR41014 T. C METER
VR41015
VR41016
VR4901
CH2 METER ADJ
CH1 METER ADJ
ERASE1
ERASE2
AUDIO OUTPUT LEVEL SELECT
SW41001
REC 12V
TRIC
PB FM
CH2 METER
CH1 METER
MONITOR
TC OUT (X)
TC REC OUT
LTC PB (X)
LTC EXT IN
CH2 FM AMP OUT
CH1 FM AMP OUT
CH2 LIN AMP OUT
CH1 LIN AMP OUT
CH1 PHONE
CH2 PHONE
V ERASE (R)
V ERASE (L)
V ERASE (C)
TO INTERFACE
FRONT
REAR AMP
TIME CODE
INTERFACE
MOTHER
REAR JACK C. B. A.
REAR AMP C. B. A.
FRONT JACK C. B. A.
XLR M C. B. A.
PHONE
ERASE HEAD (R)
ERASE HEAD (L)
TIME CODE OUT
HI-FI CH2 OUTPUT
HI-FI CH1 OUTPUT
NORMAL/HI-FI CH2 OUTPUT
NORMAL/HI-FI CH1 OUTPUT
Q4021~4023
Q4015~4017
Q4033~4035
Q4027~4029
Q4036, D4017 MUTE DRIVE
IC4016
IC4014
IC4017
IC4015
CH2 FM OUT2
CH2 FM OUT3
CH1 FM OUT2
CH1 FM OUT3
CH2 LIN OUT2
CH2 LIN OUT3
CH1 LIN OUT2
CH1 LIN OUT3

INTERFACE BLOCK DIAGRAM



REF. NO. 61000 SERIES

ADDRESS BUS
A8
DATA BUS
CONTROL BUS

IC2
P-ROM
MERD A14

IC3
RAM
WE CS
IOWR

IC9 IOE
IC8 RAM CS GATE

IC5 RESET GEN
D5V
RESET Ⓛ

A10 A0~A2
D0~D7
IORD Ⓛ
IOWR Ⓛ
CLOCK
RESET
FRS IRQ
OSD IRQ
OSD PR
FRS PR
D5V
SCK1
SD1
SCK2
SDO
PB2

IC4

PIN	PORT	FUNCTION	ACTIVE
2	CS0	CHIP SELECT	-
5~7	A0~A2	ADDESS BUS	-
8~15	DA0~DA7	DATA BUS	-
16	IORD	IORD	L
17	IOWR	IOWR	L
18	MCK	CLOCK	-
19	RST	RESET	L
62	IRQ1	FRS IRQ	-
50	IRQ2	OSD IRQ	-
61	PR1	OSD PR	-
49	PR2	FRS PR	-
23, 27	VDD	5V	5V
26, 58	GND	GND	GND
44	CTL	CTL PULSE	H
64	SCK1	OSD CLOCK	-
63	SD1	OSD DATA	-
53	SCK2	FRS CLOCK	-
52	SDO	FRS IF	-
31	PB2	S-VHS SW	L

(1C) (1D) (D) RESET Ⓛ (1A) (1B) (2D) (2E) (2A) (2B) (2C)

REAR AMP C. B. A.
P6606 2
P6606 3
P6606 4

MOTHER

P935 17B	P942 4A	P41003 4A	AUDIO (2)
P935 14A	P923 6	P2203 6	SERVO/SYSTEM CTL
P935 10A	P922 18	P2202 18	
P935 9B	P923 3	P2203 3	
P935 10B	P922 1	P2202 1	
P935 11B	P922 19	P2202 19	
P935 13A	P922 20	P2202 20	

S-VHS SW Ⓛ
FRS IF
FRS CLK
CTL

MOTHER

P61001 30A	P935 30A	P931 17B	P3931 17B	VIDEO I/O
P61001 14B	P935 14B	P964 10	P62004 10	FRONT
P61001 12B	P935 12B	P964 8	P62004 8	
P61001 11A	P935 11A	P921 10	P2201 10	SERVO/SYSTEM CTL

AMP IC10
AMP IC10

ADDRESS BUS
DATA BUS
CONTROL BUS

IC13 X8 BUFFER

IC15 BUFFER
A10 A17 IC9 IC8
MERW MERD
IF INT Ⓛ
TC INT Ⓛ
ME RW
ME RD

IC14 X8
D7 ~ D0

IC16 3-8 LINE DELODER
A2 A3 A4
A8 A10 A8
G1 G2A G2B
$\overline{Y4}$ $\overline{Y5}$ $\overline{Y6}$ $\overline{Y7}$

A0 A1 IORD Ⓛ IOWR Ⓛ
D0 D1 D2 D3 D4 D5 D6 D7
D0~D7

34PIN INTERFACE OPTION BOARD

CSL Ⓛ
IF INT Ⓛ
TC INT Ⓛ
OEL Ⓛ
WEL Ⓛ
CTL

A7L	P61004 9B	P68001 9B
A6L	P61004 8B	P68001 8B
A5L	P61004 7B	P68001 7B
A4L	P61004 6B	P68001 6B
A3L	P61004 5B	P68001 5B
A2L	P61004 4B	P68001 4B
A1L	P61004 3B	P68001 3B
A0L	P61004 2B	P68001 2B
	P61004 18B	P68001 18B
	P61004 22B	P68001 22B
	P61004 21B	P68001 21B
	P61004 19B	P68001 19B
	P61004 20B	P68001 20B
	P61004 23B	P68001 23B
D7L	P61004 17B	P68001 17B
D6L	P61004 16B	P68001 16B
D5L	P61004 15B	P68001 15B
D4L	P61004 14B	P68001 14B
D3L	P61004 13B	P68001 13B
D2L	P61004 12B	P68001 12B
D1L	P61004 11B	P68001 11B
D0L	P61004 10B	P68001 10B

TIME CODE C. B. A.

P69004 21	P61003 21	CTL 34P	
P69004 16	P61003 16	CS3 Ⓛ	
P69004 15	P61003 15	CS2 Ⓛ	
P69004 14	P61003 14	CS1 Ⓛ	
P69004 13	P61003 13	CS0 Ⓛ	
P69004 20	P61003 20	RESET Ⓛ	
P69004 23	P61003 23	R 34P Ⓛ	
P69004 18	P61003 18	+12V	
P69004 19	P61003 19	D5V	
P69004 17	P61003 17		
P69004 22	P61003 22		

IC17 (I/O)
RESET Ⓛ
A0 RSLCT0
A1 RSLCT1
D0 ~ D7 DB0 DB7
IORD Ⓛ RD Ⓛ
IOWR Ⓛ WR Ⓛ
D5V
REMOTE 9P Ⓛ
REMOTE 34P Ⓛ

MOTHER

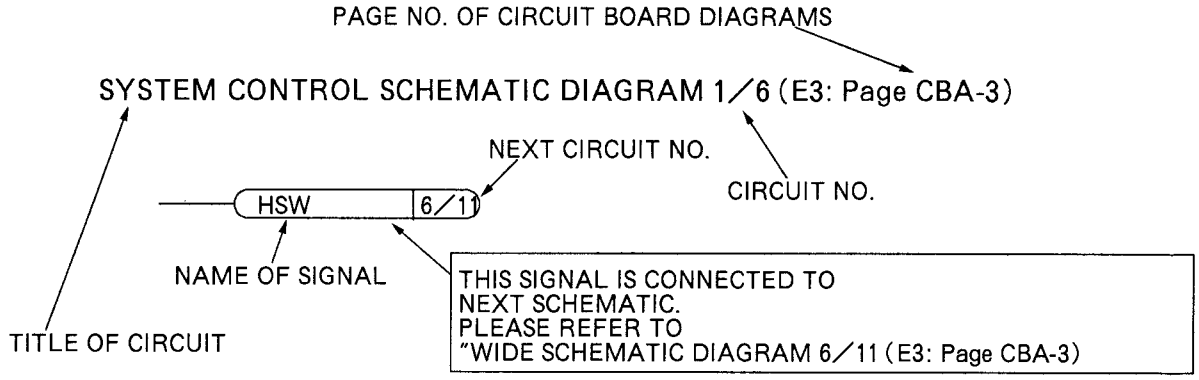
CD WIDE Ⓛ	67	P61001 8B	P935 8B	P923 5	P2203 5	SERVO/SYSTEM CTL
SYNC EXT Ⓛ	21	P61001 26A	P935 26A	P922 2	P2202 2	
M WIDE Ⓗ	68	P61001 8A	P935 8A	P923 4	P2203 4	
M NORMAL Ⓗ	69	P61001 9A	P935 9A	P923 2	P2203 2	
NOTCH Ⓗ	70	P61001 32A	P935 32A	P931 46B	P3931 46B	VIDEO I/O
EDIT Ⓗ	71	P61001 31A	P935 31A	P932 21B	P3932 21B	VIDEO Y/C
SIG DET Ⓛ	39	P61001 31B	P935 31B	P932 30A	P3632 30A	
INC MODE 0	28	P61001 50A	P935 50A	P931 3B	P3931 3B	VIDEO I/O
INC MODE 1	51	P61001 50B	P935 50B	P931 4B	P3931 4B	

SECTION 6

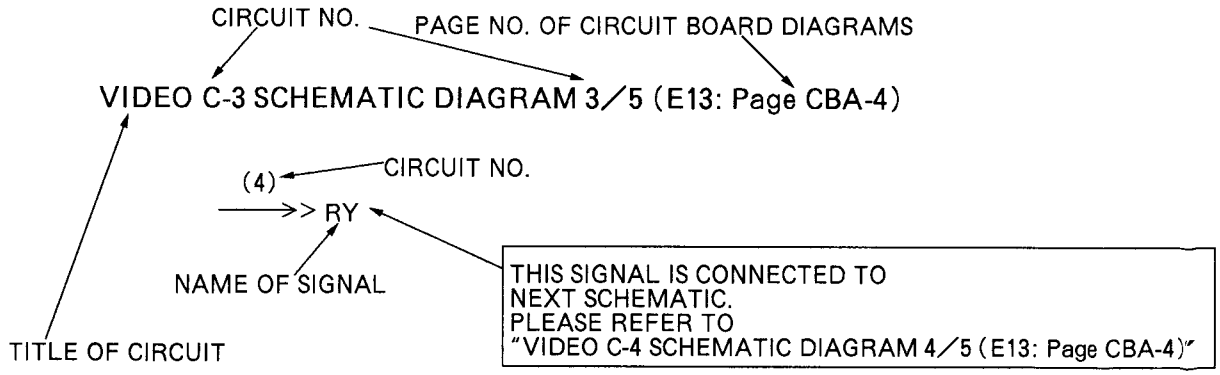
SCHEMATIC DIAGRAMS

NOTE

(EX 1)



(EX 2)



*** Mark** ⇒ Parts value, see table in the schematic diagram.

(EX:)

	AG-7700	AG-7600
R2018	10K	10K
R2019	20K	*PAT

10KΩ

No part

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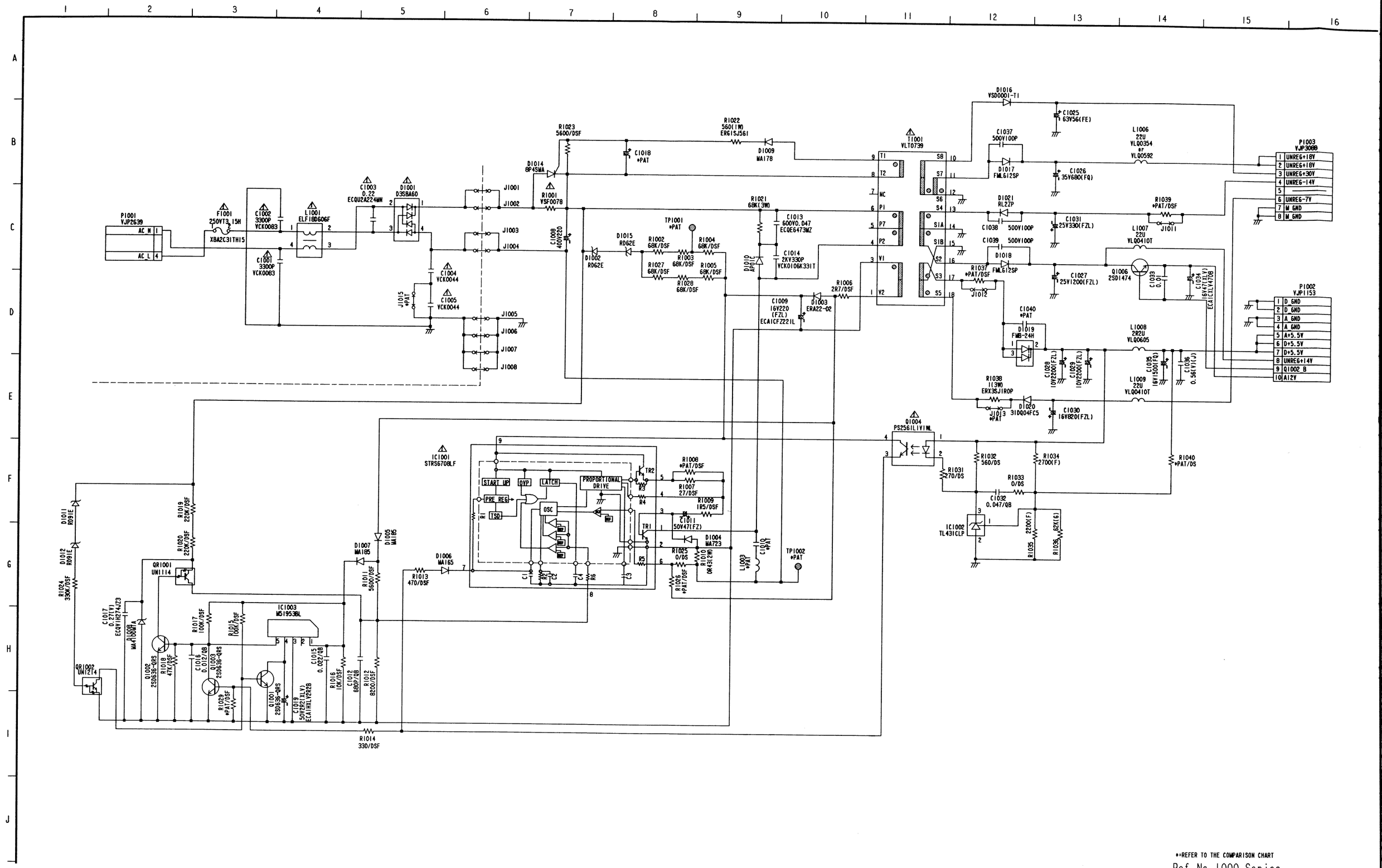
IMPORTANT SAFETY NOTICE

COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

NOTE

DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST. AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

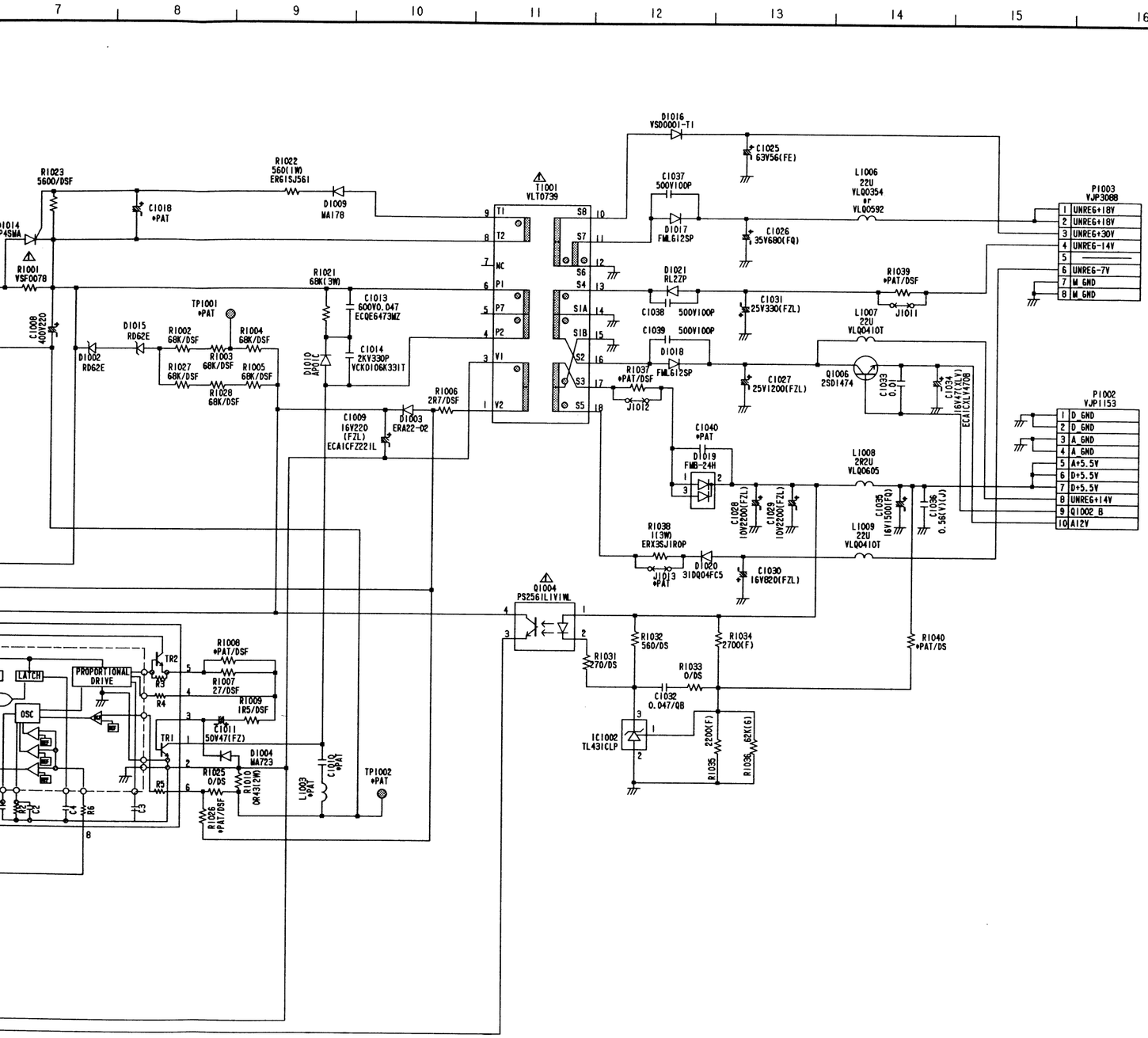
POWER SCHEMATIC DIAGRAM (E1: Page CBA-3)



*=REFER TO THE COMPARISON CHART

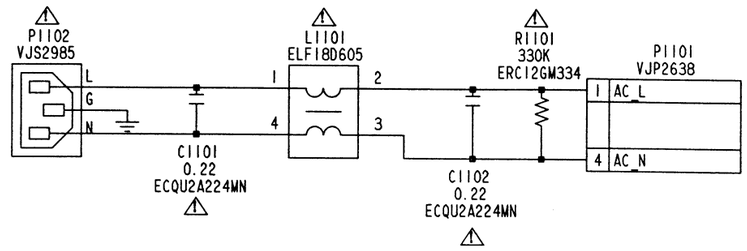
Ref No.1000 Series

POWER CONNECT SCHEMATIC DIAGRAM (E32)



*=REFER TO THE COMPARISON CHART

Ref No.1000 Series

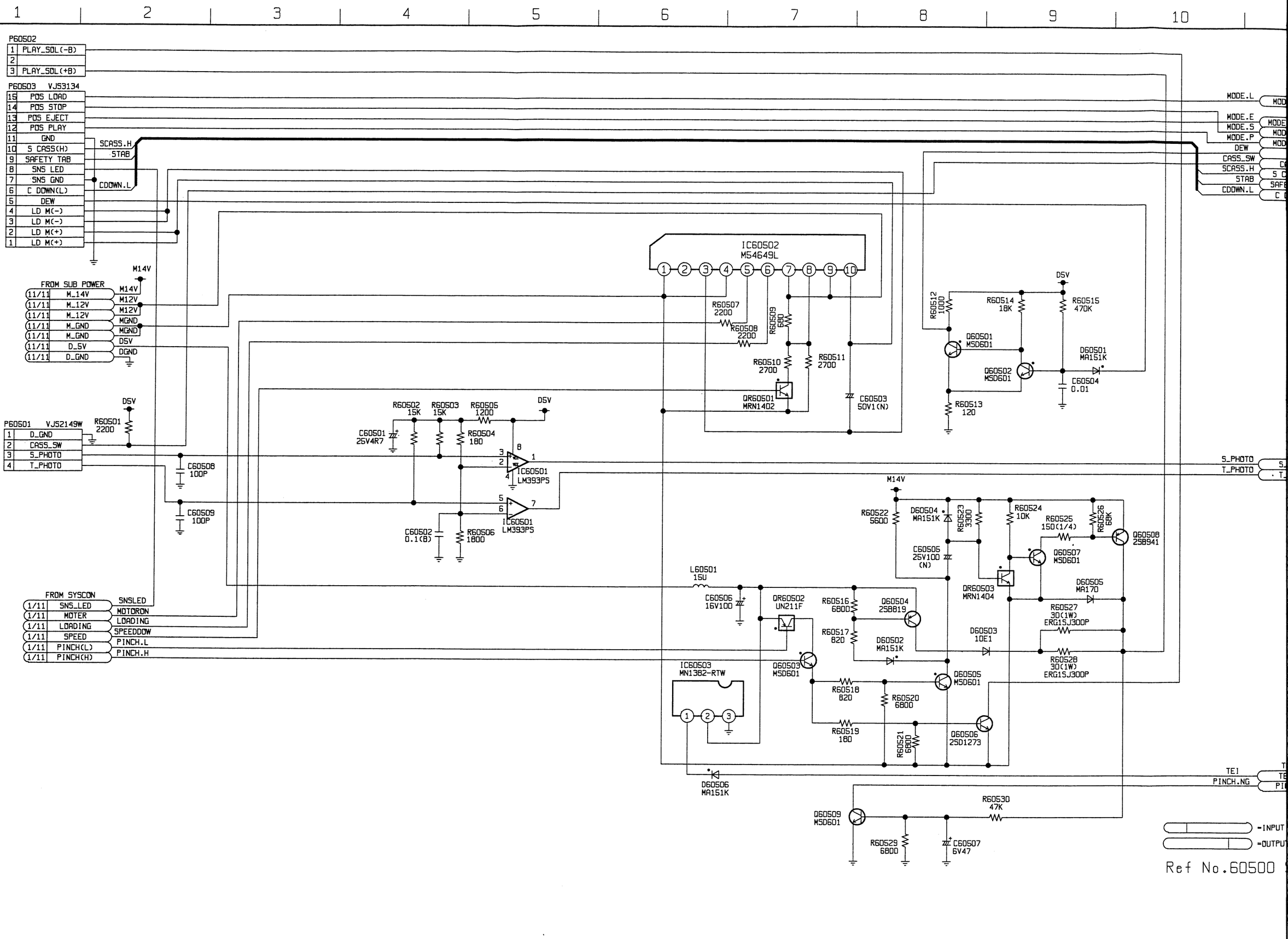


Ref No.1100 Series

POWER DC VOLTAGE CHART

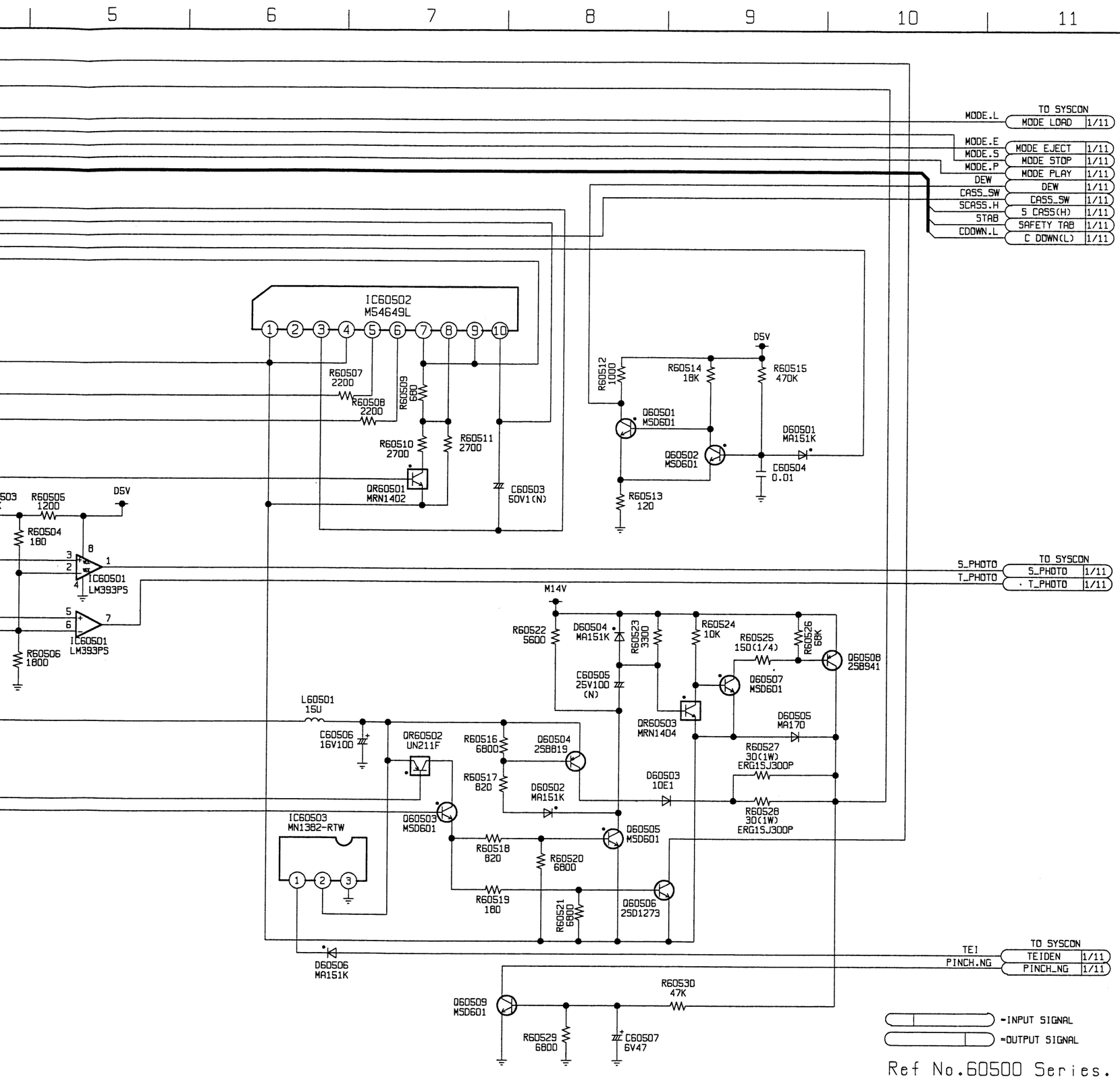
REF. NO.	IC1001									
MODE	1	2	3	4	5	6	7	8	9	
STOP	–	0	0	0.3	0.9	−0.1	0.2	1.3	7.1	
REC	–	0	0	0.3	0.9	−0.1	0.2	1.3	7.1	
REF. NO.	IC1002					IC1003				
MODE	K	A	G			1	2	3	4	5
STOP	3.9	0	2.5			6.7	0	0	1.2	0
REC	3.9	0	2.5			6.7	0	0	1.2	0
REF. NO.	Q1001			Q1002			Q1003			
MODE	E	C	B	E	C	B	E	C	B	
STOP	0	1.2	0	0	10.0	0	0	0	0.7	
REC	0	1.2	0	0	–	0	0	0	0.7	
REF. NO.	Q1004						Q1006			
MODE	1	2	3	4			E	C	B	
STOP	5.5	4.4	1.3	7.1			11.7	13.1	12.3	
REC	5.5	4.4	1.2	7.1			11.7	13.0	12.3	
REF. NO.	QR1001			QR1002						
MODE	E	C	B	E	C	B				
STOP	10.1	1.3	10.0	0	0	4.2				
REC	10.1	1.3	–	0	0	4.2				

SUB SYSTEM CONTROL SCHEMATIC DIAGRAM 2/11 (E3: Page CBA-5)



Ref No.60500

: Page CBA-5)

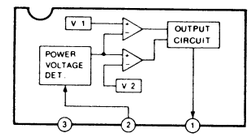


Ref No.60500 Series.

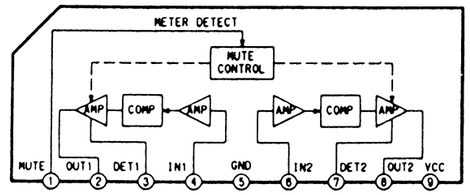
SUB SYSTEM CONTROL DC VOLTAGE CHART

REF. NO.	IC60501									
MODE	1	2	3	4	5	6	7	8		
STOP	4.9	2.9	3.2	0	3.2	2.9	4.9	5.1		
REC	4.8	2.9	3.2	0	3.2	2.9	4.8	5.1		
F.F	4.9	2.9	3.2	0	3.2	2.9	4.9	5.2		
REF. NO.	IC60502									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0	0.2	0.2	0	0	0	12.9	8.4	12.9	0.2
REC	0	0.2	0.2	0	0	0	12.9	8.4	12.9	0.2
F.F.	0	0.2	0.2	0	0	0	12.9	10.3	12.9	0.2
REF. NO.	IC60503									
MODE	V	G	O							
STOP	5.0	0	5.0							
REC	5.0	0	5.0							
F.F.	5.0	0	5.2							
REF. NO.	Q60501			Q60502			Q60503			
MODE	E	C	B	E	C	B	E	C	B	
STOP	0.6	0.6	1.2	0.6	1.2	0.4	4.2	4.8	4.8	
REC	0.6	0.6	1.2	0.6	1.2	0.4	4.2	4.8	4.8	
F.F.	0.6	0.6	1.2	0.6	1.2	0.4	0	0.1	0	
REF. NO.	Q60504			Q60505			Q60506			
MODE	E	C	B	E	C	B	E	C	B	
STOP	5.0	4.8	4.2	0	0	0.8	0	0	0.7	
REC	5.0	4.8	4.2	0	0	0.8	0	0	0.7	
F.F.	5.2	−0.1	4.2	0	14.9	0	0	0	0	
REF. NO.	Q60507			Q60508			Q60509			
MODE	E	C	B	E	C	B	E	C	B	
STOP	0	14.8	0	14.9	1.4	14.8	0	4.9	0.2	
REC	0	14.8	0	14.9	1.4	14.8	0	4.8	0.2	
F.F.	0	14.8	0	14.9	0	14.8	0	4.9	0	
REF. NO.	QR60501			QR60502			QR60503			
MODE	E	C	B	E	C	B	E	C	B	
STOP	0	10.3	0	4.9	4.8	0	0	0	13.9	
REC	0	10.2	0	4.9	4.8	0	0	0	13.9	
F.F.	0	10.2	0	5.2	0	4.9	0	0	13.9	

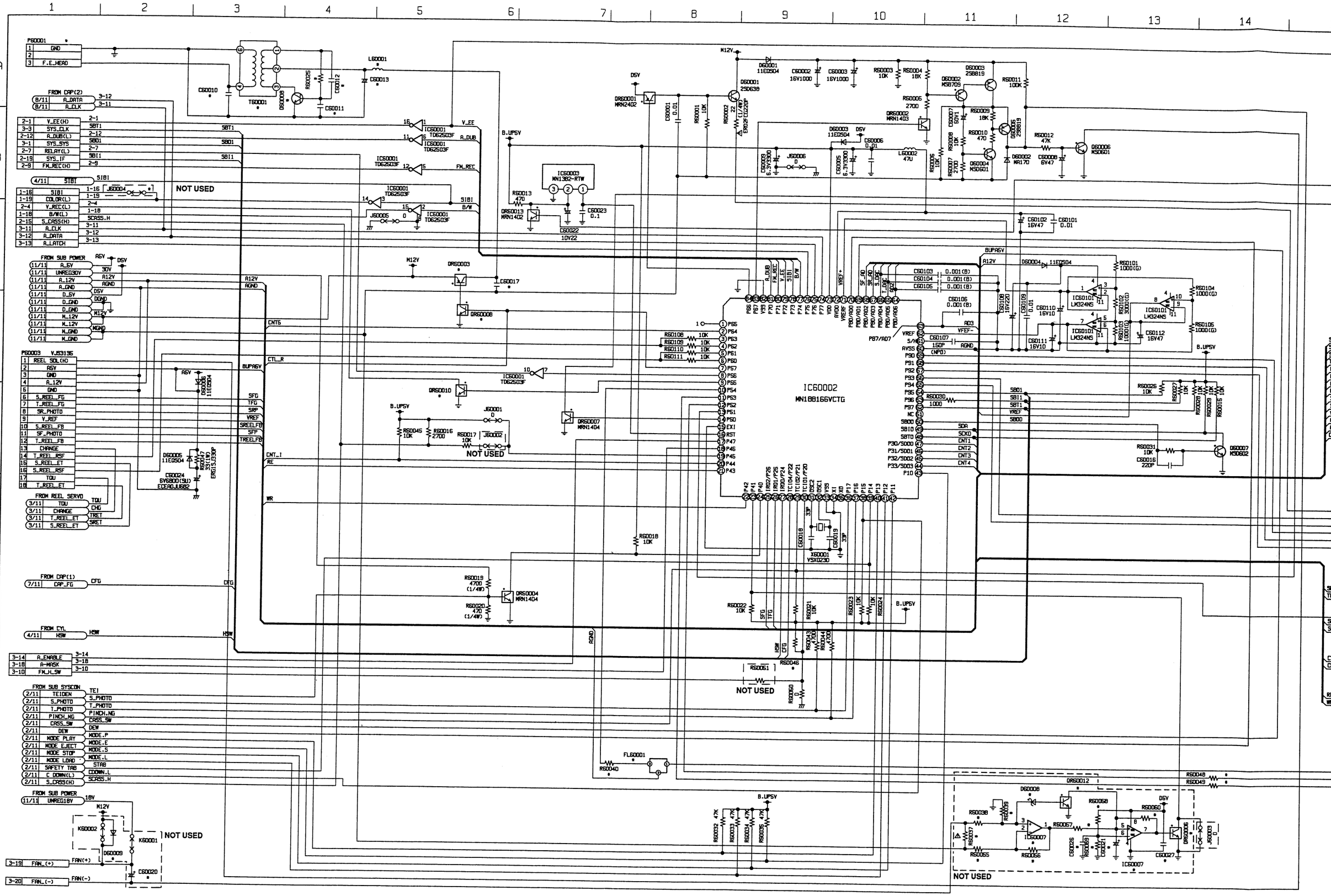
IC60503
MN1382-RTW

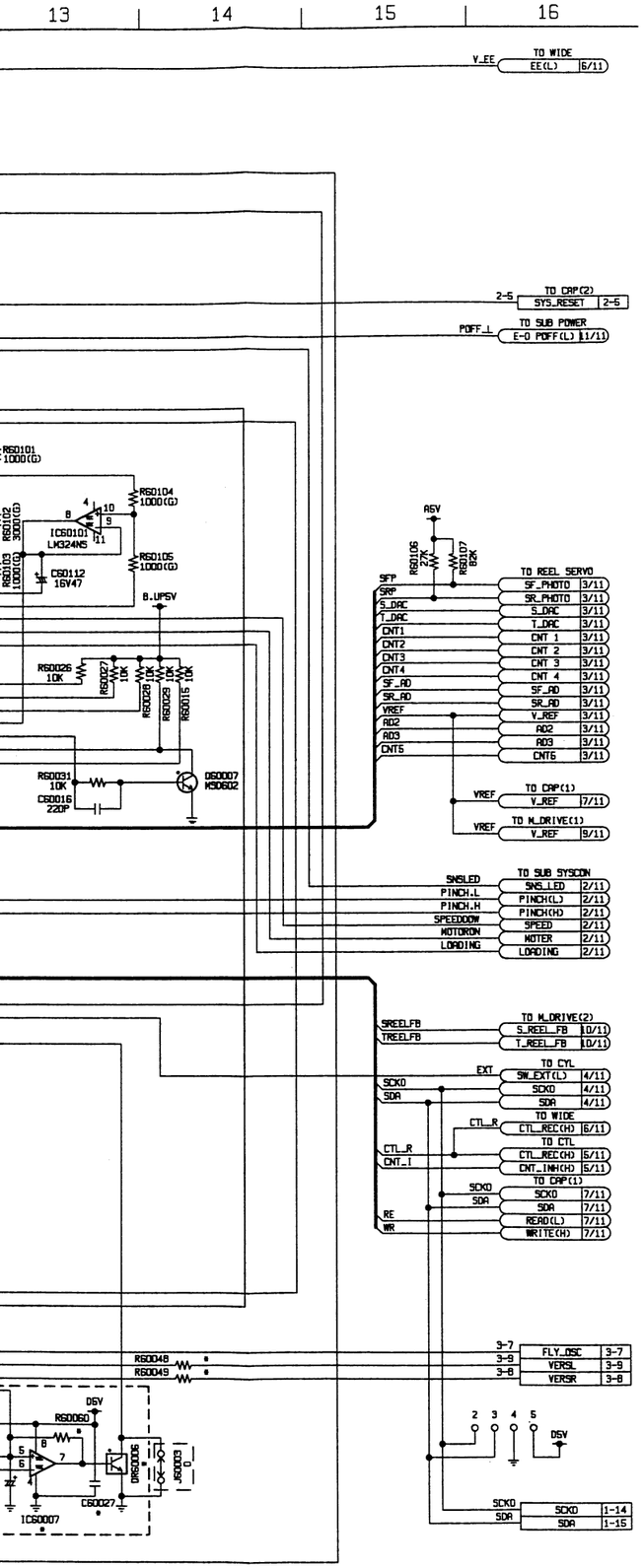


IC60502
M54649L

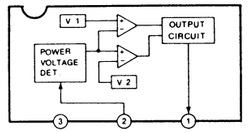


SYSTEM CONTROL SCHEMATIC DIAGRAM 1/11 (E3: Page CBA-5)

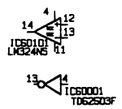




IC60003
MN1382-RTW



	AG-7700	AG-7600
CG0010	0.033(B)	
CG0011	0.0047(B)(J)	
CG0012	0.01(B)(J)	
CG0013	16V10	
CG0017	0.01	
FL60001	VLF0630	
L60001	470U	
PG0001	VJP1230T	
QG0008	2SD636	
DRG0003	MRN2402	
DRG0008	MRN1404	
DRG0010	MRN1404	
RG0025	33K(1/4W)	
RG0040	100	
RG0048	100	
RG0049	100	
TG0001	E107GF0028	

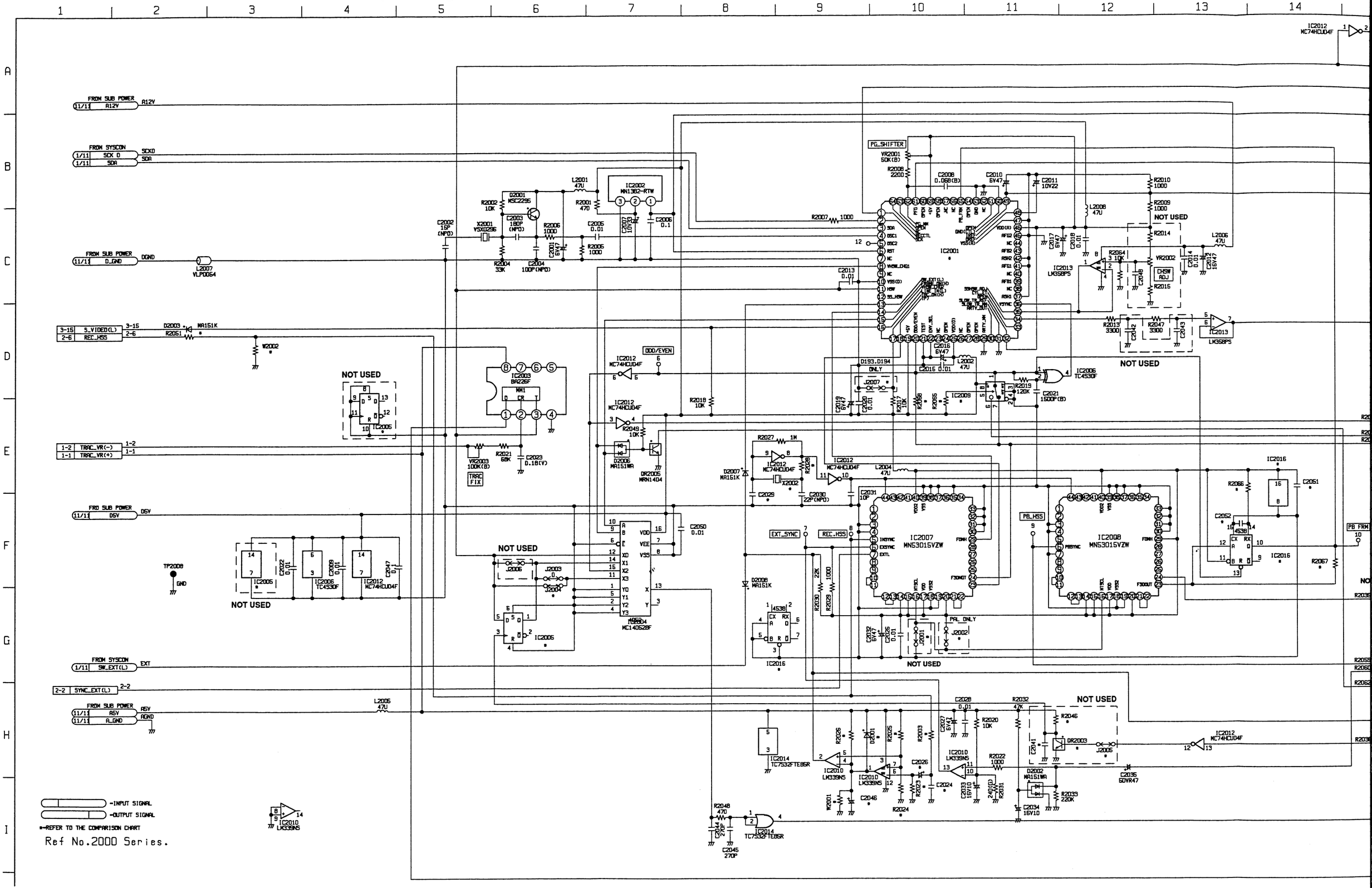


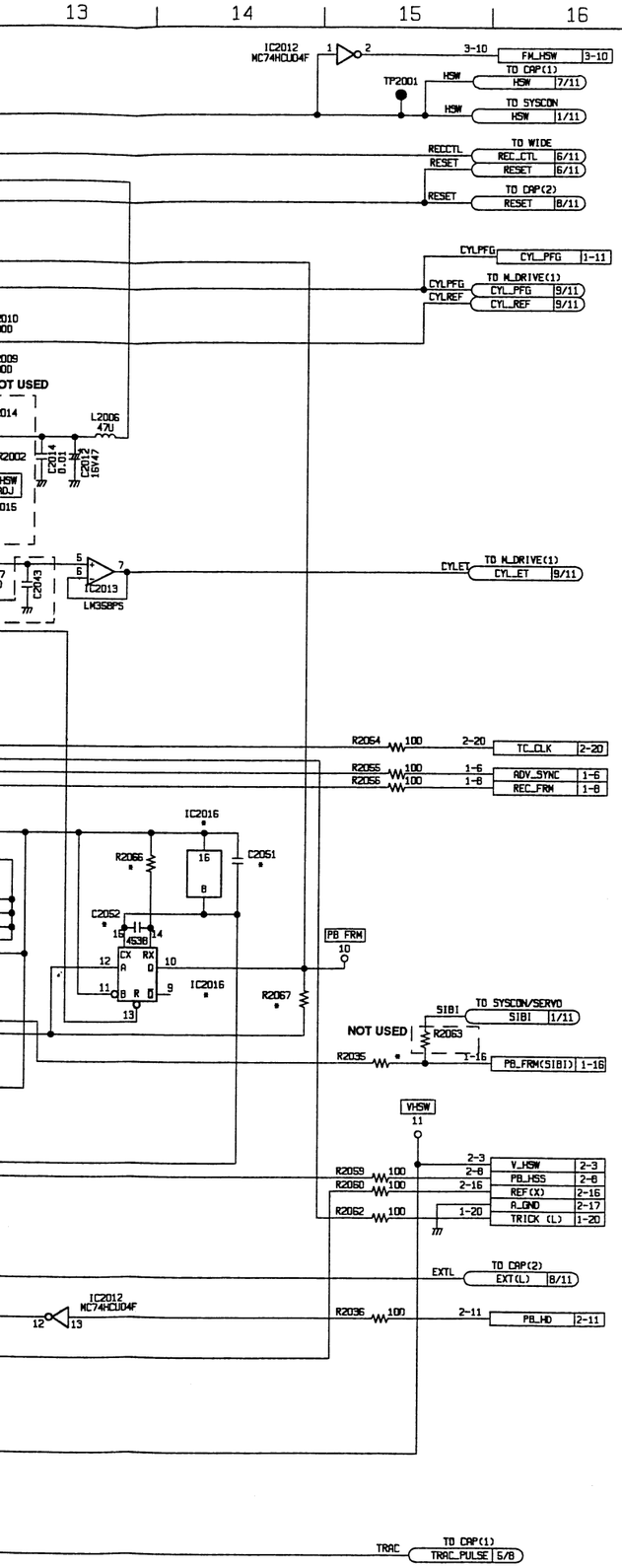
=INPUT SIGNAL
=OUTPUT SIGNAL
*=REFER TO THE COMPARISON CHART
Ref No.60000 Series.

SYSTEM CONTROL DC VOLTAGE CHART

REF. NO.	IC60001																		
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16			
STOP	0	0	0	0	0	0	0	0	0	11.5	4.6	0	0	5.0	4.5	5.0			
REC	0	0	0	0	0	0	4.6	0	0	0	4.6	0	0	5.0	4.5	5.0			
F.F	0	0	0	0	0	0	0	0	0	11.5	4.6	0	0	5.0	4.5	5.0			
REF. NO.	IC60002																		
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	0	4.8	0	0	0	0	0	0	0	0	0	0	4.9	0	0	4.9	0	4.7	4.9	0
REC	0	4.8	0	0	0	0	4.8	4.7	4.8	0	3.2	3.2	4.9	0	0	4.9	0	4.7	4.9	0
F.F	0	0	0	0	0	0	0	0	0	0	0	0	4.9	0	0	4.9	0	4.8	4.9	0
REF. NO.	IC60002																		
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
STOP	4.5	0	0	0.1	4.7	0.1	2.5	0	4.9	0	2.2	–	0	0	4.8	4.9	4.9	0	0	0
REC	4.5	0	0	0	2.4	2.3	2.6	2.5	4.9	0	2.4	–	0	0	4.8	4.9	4.9	0	0	0
F.F	4.6	0	0	0.1	2.1	2.2	2.6	5.2	4.9	0	2.4	–	0	0	4.9	4.9	4.9	0	0	4.9
REF. NO.	IC60002																		
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
STOP	4.8	4.8	4.8	4.8	4.8	4.8	4.8	5.0	4.6	0.2	0	4.7	4.5	4.9	4.8	4.8	0	0	0	0
REC	4.8	4.8	4.8	4.8	0	4.8	0	5.0	4.6	0.2	0.2	4.8	4.5	4.9	4.8	0	0	0	0	0
F.F	4.9	0	4.9	4.9	4.9	4.9	4.9	5.0	4.7	0.2	0.6	4.8	4.5	4.9	0	4.9	0	0	0	0
REF. NO.	IC60002																		
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
STOP	1.1	0.9	1.3	2.3	2.3	2.5	4.6	4.7	2.6	0.6	3.8	4.8	4.8	4.7	0.1	4.2	0	0	0	0
REC	1.1	0.9	1.0	2.3	2.3	2.5	4.6	2.4	2.6	0.6	3.8	4.9	4.9	4.8	0.1	4.3	0	0	0	0
F.F	0.7	0.9	1.0	3.7	2.7	2.3	0.6	0.5	2.6	0.6	3.8	4.9	4.9	4.9	0.1	4.3	0	0	0	0
REF. NO.	IC60002																		
MODE	81	82	83	84															
STOP	0	0	0	4.5															
REC	0	0	0	4.5															
F.F	0	0	0	4.6															
REF. NO.	IC60003																		
MODE	V	G	O																
STOP	4.9	0	4.9																
REC	4.8	0	4.8																
F.F	4.9	0	4.9																
REF. NO.	IC60101																		
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14					
STOP	3.8	3.8	3.8	11.5	1.0	1.0	1.0	2.4	2.4	2.4	0	0.1	0.1	10.3					
REC	3.8	3.8	3.8	11.5	1.0	1.0	1.0	2.4	2.4	2.4	0	0.1	0.1	0.3					
F.F	3.8	3.8	3.8	11.5	1.0	1.0	1.0	2.4	2.4	2.4	0	0.1	0.1	0.3					
REF. NO.	Q60001			Q60002			Q60003			Q60004			Q60005			Q60006			
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	
STOP	0.5	12.6	0.4	11.7	0	12.2	12.4	0	11.9	0	0	0	0	0.1	0	0	4.9	0.1	
REC	0.5	12.6	0.4	11.7	0	12.2	12.4	0	11.9	0	0	0	0	0	0	0	4.9	0	
F.F.	0.5	12.6	0.4	11.7	0	12.2	12.4	0	11.9	0	0	0	0	0	0	0	4.9	0	
REF. NO.	Q60007			Q60008															
MODE	E	C	B	E	C	B													
STOP	0	4.6	0.1	0	0.1	0.1													
REC	0	4.6	0.1	0	11.9	−0.7													
F.F.	0	4.6	0.2	0	0.2	0.2													
REF. NO.	QR60001			QR60002			QR60003			QR60004			QR60007			QR60008			
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	
STOP	5.2	0.4	4.5	0	12.2	0	12.5	0.2	12.6	0	0.1	2.9	0	5.3	0	0	13.0	0	
REC	5.1	0.4	4.5	0	12.2	0	12.5	12.4	0.1	0	0.1	0	0	5.3	0	0	0.1	4.8	
F.F.	5.2	0	4.9	0	12.2	0	12.5	0.3	12.5	0	0.1	2.9	0	5.3	0	0	13.0	0	
REF. NO.	QR60010			QR60013															
MODE	E	C	B	E	C	B													
STOP	0	3.7	0	0	4.8	0													
REC	0	0.1	4.9	0	4.8	0													
F.F.	0	3.7	0	0	4.9	0													

CYL SERVO SCHEMATIC DIAGRAM 4/11 (E3: Page CBA-5)





CYL SERVO DC VOLTAGE CHART

REF. NO.	IC2001																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	0	5.0	4.6	2.5	2.5	5.1	0	0	0	0	2.5	2.6	5.1	5.1	0	3.7	0	2.5	5.1	2.6
REC	3.1	5.0	4.6	2.5	2.5	5.1	0	0	0	0	2.6	0	5.1	5.1	0	3.7	0	2.5	5.1	2.6
F.F	0	5.0	4.6	2.5	2.5	5.2	0	5.2	0	0	2.6	2.6	5.1	5.2	0	3.7	0	2.5	5.2	2.6

REF. NO.	IC2001																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
STOP	0	0	0	0	5.1	0	2.6	0	0	0	0	5.1	0.5	2.4	0	0	0	0	5.1	0
REC	0	0	0	0	5.1	0	2.6	0	0	0	0	5.1	0.5	2.4	0	0	0	0	5.1	0
F.F	0	0	0	0	5.2	0	2.6	0	0	0	0	5.2	0.5	2.4	0	0	0	0	5.2	0

REF. NO.	IC2001																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
STOP	0	0	5.1	0	0	5.1	0	2.5	2.5	0	0	0	0	0	5.0	0	0	1.9	5.1	0
REC	0	0	5.1	0	0	5.1	0	2.5	2.5	0	3.1	0	0	0	4.9	0	0	1.9	5.1	0
F.F	0	0	5.2	0	0	5.2	0	2.5	2.5	0	0	0	0	0	4.9	0	0	1.9	5.2	0

REF. NO.	IC2001																			
MODE	61	62	63	64																
STOP	1.1	3.1	5.1	0																
REC	1.1	3.1	5.1	0																
F.F	1.1	3.1	5.2	0																

REF. NO.	IC2002										IC2003									
MODE	V	G	O								1	2	3	4	5	6	7	8		
STOP	5.1	0	5.1								1.9	0.5	2.5	0	0	0	0	5.0		
REC	5.1	0	5.1								1.9	0.5	2.5	0	0	0	0	5.0		
F.F.	5.2	0	5.2								1.9	0.5	2.6	0	0	0	0	5.0		

REF. NO.	IC2004																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
STOP	0	0	0	0	0	0	0	0	0	0	2.6	2.6	2.5	2.6	2.6	5.1				
REC	0	0	0	0	0	0	0	0	0	0	2.6	2.6	2.6	2.6	2.6	5.1				
F.F	0	0	0	0	0	0	0	0	5.2	0	2.6	2.6	2.6	2.6	2.6	5.2				

REF. NO.	IC2006																			
MODE	1	2	3	4	5															
STOP	2.6	2.6	0	0	5.1															
REC	2.6	2.6	0	0	5.1															
F.F	2.6	2.6	0	0	5.2															

REF. NO.	IC2007																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	0	0	0	0	4.6	5.1	5.1	4.8	5.1	0	0	0	0	5.1	5.1	5.1	5.1	0	0	5.1
REC	0	0	0	0	4.5	5.1	5.1	4.7	5.1	0	0	0	0	5.1	5.1	5.1	5.1	0	0	5.1
F.F	0	0	0	0	4.5	5.2	5.1	4.7	5.2	0	0	0	0	5.2	5.2	5.1	5.2	0	0	5.2

REF. NO.	IC2007																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
STOP	0	0	2.6	2.6	0	0	0	0	5.1	0	0	0	0	0	0	0	0	0	0	5.1
REC	0	0	2.5	2.6	0	0	0	0	5.1	0	0	0	0	0	0	0	0	0	0	5.1
F.F	0	0	2.5	2.6	0	0	0	0	5.2	0	0	0	0	5.2	0	0	0	0	0	5.2

REF. NO.	IC2007																			
MODE	41	42	43	44																
STOP	5.1	5.1	0	2.5																
REC	5.1	5.1	0	2.5																
F.F	5.2	5.2	0	2.5																

REF. NO.	IC2008																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	0	0	0	0	1.7	4.6	0	4.7	5.1	0	0	0	0	5.1	5.1	5.1	5.1	0	0	5.1
REC	0	0	0	0	2.2	4.6	0	4.7	5.1	0	0	0	0	5.1	5.1	5.1	5.1	0	0	5.1
F.F	0	0	0	0	1.9	4.6	0	4.7	5.1	0	0	0	0	5.2	5.2	5.1	5.2	0	0	5.2

REF. NO.	IC2008																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
STOP	0	0	2.6	2.6	0	0	0	0	5.1	0	0	0	0	5.1	0	0	0	0	0	5.1
REC	0	0	2.6	2.6	0	0	0	0	5.1	0	0	0	0	5.1	0	0	0	0	0	5.1
F.F	0	0	2.6	2.6	0	0	0	0	5.2	0	0	0	0	5.2	0	0	0	0	0	5.2

REF. NO.	IC2008																			
MODE	41	42	43	44																
STOP	5.1	5.1	0	2.5																
REC	5.1	5.1	0	2.5																
F.F	5.2	5.2	0	2.5																

REF. NO.	IC2010																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
STOP	0.5	5.1	5.0	0.5	2.5	0.2	2.5	0	0	0.1	0.3	0	5.1	0						
REC	0.5	5.0	5.0	0.5	2.5	0.2	2.5	0	0	0.1	0.4	0	5.1	0						
F.F	0.5	5.1	5.0	0.5	2.5	0.2	2.5	0	0	0.1	0.2	0	5.2	0						

REF. NO.	IC2012																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
STOP	2.5	2.6	2.6	2.6	2.6	2.6	0	2.4	2.3	2.5	2.4	5.1	0	5.1						
REC	2.5	2.6	2.6	2.6	2.6	2.6	0	2.4	2.3	2.5	2.4	5.1	0	5.1						
F.F	2.6	2.6	2.6	2.6	2.6	2.6	0	2.4	2.3	2.5	2.4	4.9	0	5.2						

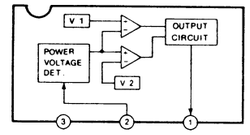
REF. NO.	IC2013									
MODE	1	2	3	4	5	6	7	8		
STOP	0	0	0	0	2.4	2.4	2.4	11.7		
REC	0	0	0	0	2.4	2.4	2.4	11.7		
F.F.	0	0	0	0	2.4	2.4	2.4	11.7		

REF. NO.	IC2014									
MODE	1	2	3	4	5					
STOP	2.6	2.6	0	2.5	5.0					
REC	2.6	2.6	0	2.5	5.0					
F.F.	2.6	2.6	0	2.5	5.0					

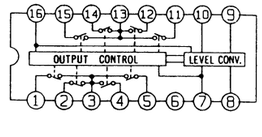
REF. NO.	Q2001									
MODE	E	C	B							
STOP	3.2	5.1	–							
REC	3.2	5.1	–							
F.F.	3.2	5.1	–							

REF. NO.	QR2005									
MODE	E	C	B							
STOP	0	3.5	0.6							
REC	0	3.5	0.6							
F.F.	0	3.5	0.6							

IC2002
MN1382-RTW

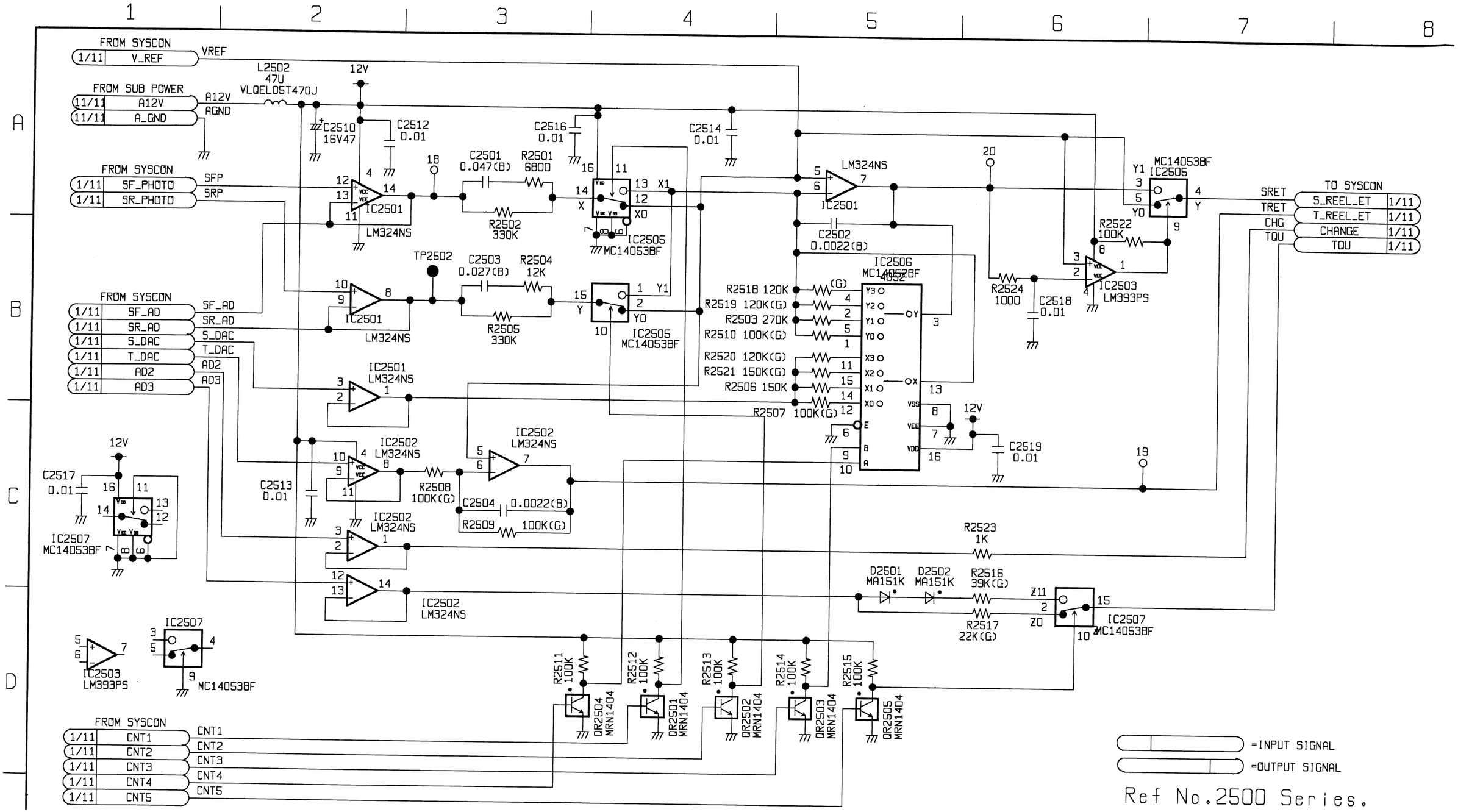


IC2004
MC14052BF

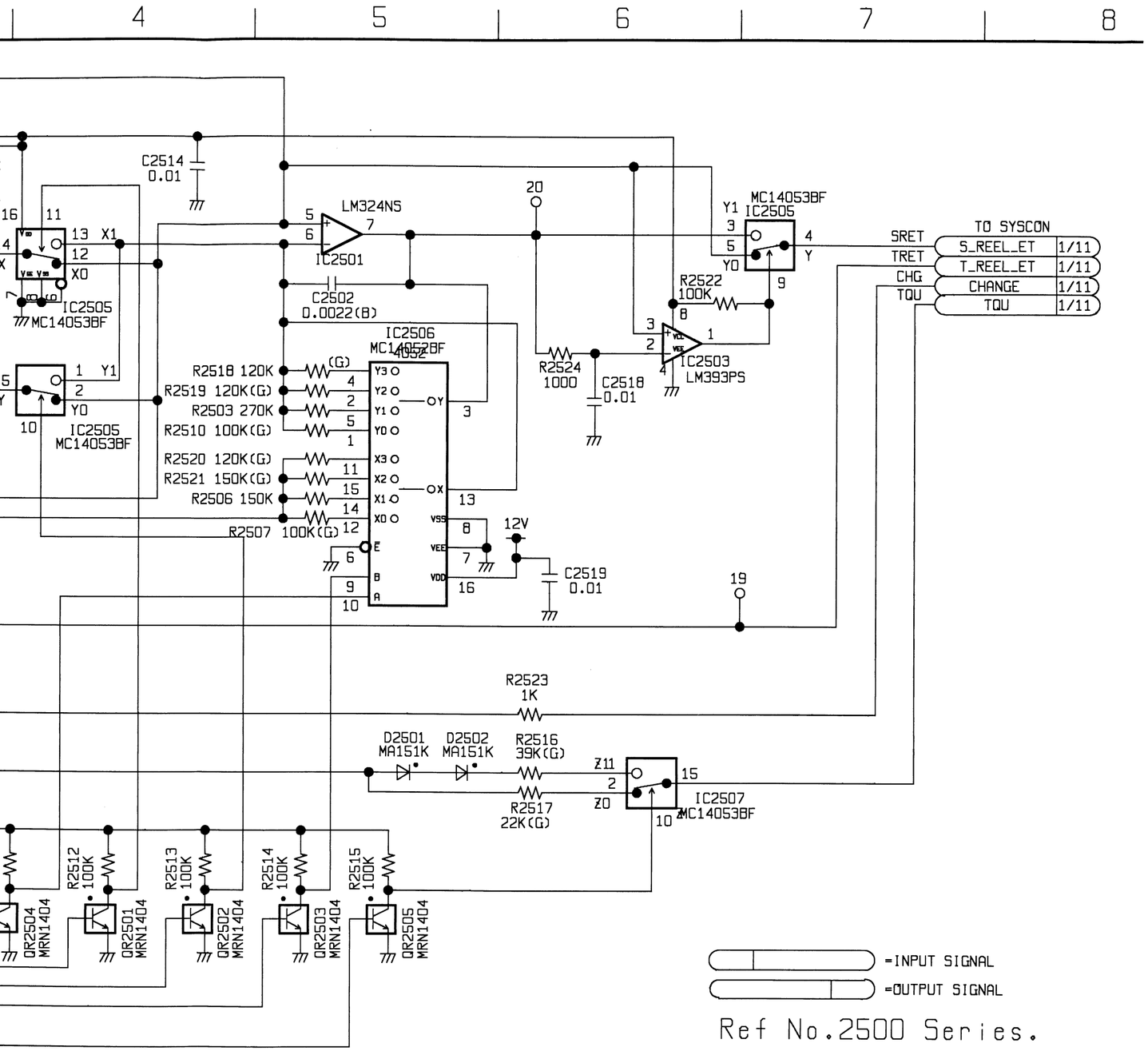


	AG-7700	AG-7600
C2024	1000P	
C2026	50V1	———
C2029	33P(NPO)	33P(NPO)
C2041	———	———
C2046	50VR47	———
C2051	———	———
C2052	———	———
D2001	MA151K	———
IC2001	MN6742VMEG	MN6742VMEG
IC2005	———	———
J2001	———	———
J2002	0	0
J2004	0	0
J2005	———	———
IC2009	———	———
IC2016	———	———
DR2003	———	———
R2003	33K	———
R2023	220K	———
R2024	10K	———
R2025	10K	———
R2026	180K	———
R2028	5600	5600
R2035	100	100
R2046	———	———
R2051	100	———
R2065	———	———
R2066	0	0
R2067	0	0
R2068	0	0
W2001	———	0
W2002	———	0
X2002	VSX0066-0	VSX0066-0
J2007	0	0

REEL SERVO SCHEMATIC DIAGRAM 3/11 (E3: Page CBA-5)

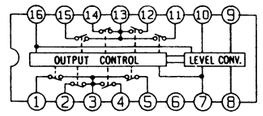


Ref No.2500 Series.



Ref No.2500 Series.

IC2506
MC14052BF



REEL SERVO DC VOLTAGE CHART

REF. NO.	IC2501									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	2.4	2.4	2.3	11.7	2.4	2.4	2.3	4.6	4.6	4.6
REC	2.5	2.5	2.5	11.7	2.4	2.4	2.2	4.6	4.6	4.6
F.F	2.4	2.4	2.3	11.7	2.4	2.4	2.3	0.6	0.6	0.6

REF. NO.	IC2501									
MODE	11	12	13	14						
STOP	0	4.7	4.7	4.7						
REC	0	2.4	2.4	2.4						
F.F	0	0.5	0.5	0.5						

REF. NO.	IC2502									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	1.0	1.0	1.0	11.7	2.4	2.4	2.4	2.4	2.4	2.4
REC	2.4	2.4	2.3	11.7	2.4	2.4	2.4	2.4	2.4	2.4
F.F	3.8	3.8	3.8	11.7	2.4	2.4	2.0	2.8	2.7	2.7

REF. NO.	IC2502									
MODE	11	12	13	14						
STOP	0	0.9	1.0	1.0						
REC	0	1.0	1.0	1.0						
F.F	0	0.9	1.0	1.0						

REF. NO.	IC2503									
MODE	1	2	3	4	5	6	7	8		
STOP	11.6	2.2	2.4	0	0.5	0.5	0	11.7		
REC	11.6	2.2	2.4	0	0.5	0.5	0	11.7		
F.F	11.6	2.3	2.4	0	1.5	1.5	0	11.7		

REF. NO.	IC2505									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	2.4	2.4	2.3	2.3	2.4	0	0	0	11.6	0
REC	2.4	2.4	2.2	2.2	2.4	0	0	0	11.6	0
F.F	2.4	2.4	2.3	2.3	2.4	0	0	0	11.6	0

REF. NO.	IC2505									
MODE	11	12	13	14	15	16				
STOP	0	2.4	2.4	2.4	2.4	11.7				
REC	11.6	2.4	2.4	2.4	2.4	11.7				
F.F	0	2.4	2.4	2.4	2.4	11.7				

REF. NO.	IC2506									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	2.3	2.1	2.1	2.3	2.3	0	0	0	11.6	0
REC	2.3	2.2	2.2	2.3	2.3	0	0	0	11.6	0
F.F	2.3	2.3	2.3	2.3	2.3	0	0	0	0	0

REF. NO.	IC2506									
MODE	11	12	13	14	15	16				
STOP	2.6	2.6	2.4	2.5	2.4	11.7				
REC	2.5	2.5	2.4	2.5	2.4	11.7				
F.F	2.3	2.4	2.4	2.3	2.3	11.7				

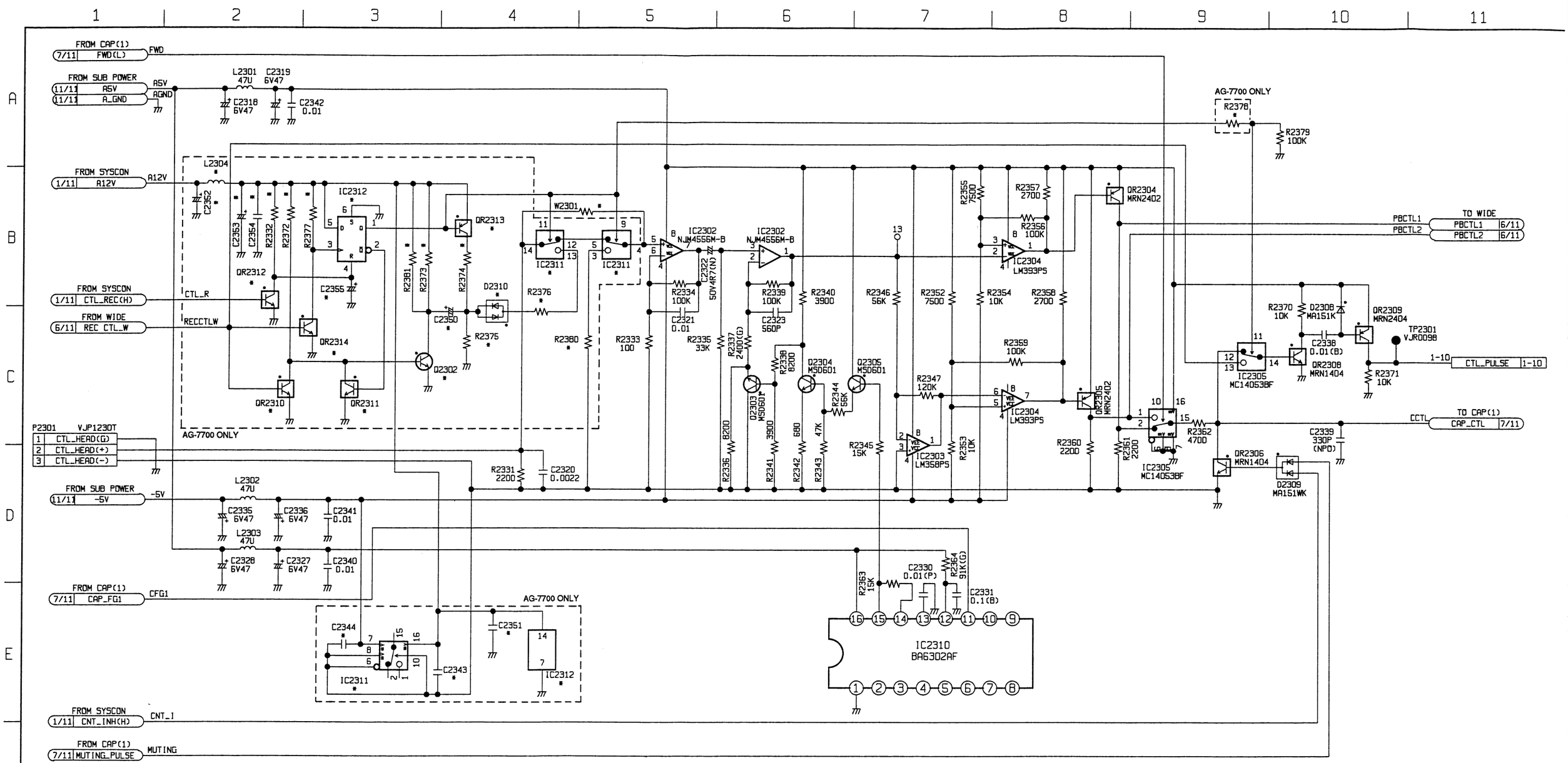
REF. NO.	IC2507									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	1.4	1.0	0.1	0.1	0.1	0	0	0	0	11.4
REC	0.8	0.1	0.1	0.1	0.1	0	0	0	0	0
F.F	0	1.2	0.1	0.1	0.1	0	0	0	0	11.6

REF. NO.	IC2507									
MODE	11	12	13	14	15	16				
STOP	0	0.1	0.1	0.1	0.1	11.7				
REC	0	0.1	0.1	0.1	0.1	11.7				
F.F	0	0.1	0.1	0.1	0.1	11.7				

REF. NO.	QR2501			QR2502			QR2503			
MODE	E	C	B	E	C	B	E	C	B	
STOP	0	0	4.9	0	0	4.9	0	0	4.9	
REC	0	11.6	0	0	0	4.9	0	11.6	0	
F.F.	0	0	4.9	0	0	4.9	0	0	4.9	

REF. NO.	QR2504			QR2505						
MODE	E	C	B	E	C	B				
STOP	0	0	4.9	0	11.4	0				
REC	0	0	4.9	0	0	4.9				
F.F.	0	0	4.9	0	11.6	0				

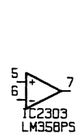
CTL AMP SCHEMATIC DIAGRAM 5/11 (E3: Page CBA-5)



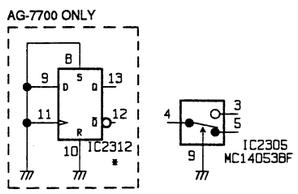
	AG-7700	AG-7600
C2343	0.01	———
C2344	0.01	———
C2350	16V47	———
C2351	0.01	———
C2352	16V47	———
C2353	16V47	———
C2354	0.01	———
C2355	50V1	———
D2310	MA153	———
IC2311	MC14053BF	———
IC2312	MC14013BF	———

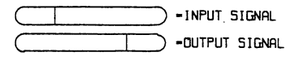
	AG-7700	AG-7600
L2304	47U	———
Q2302	M5D601	———
QR2310	MRN1403	———
QR2311	MRN1404	———
QR2312	MRN1404	———
QR2313	MRN2404	———
QR2314	MRN1404	———
R2332	68K	———
R2372	15K	———
R2373	1200(1/4W)	———
R2374	4700	———

	AG-7700	AG-7600
R2375	5600	———
R2376	560	———
R2377	47K	———
R2378	150K	———
R2380	100	———
R2381	1200(1/4W)	———
W2301	———	0



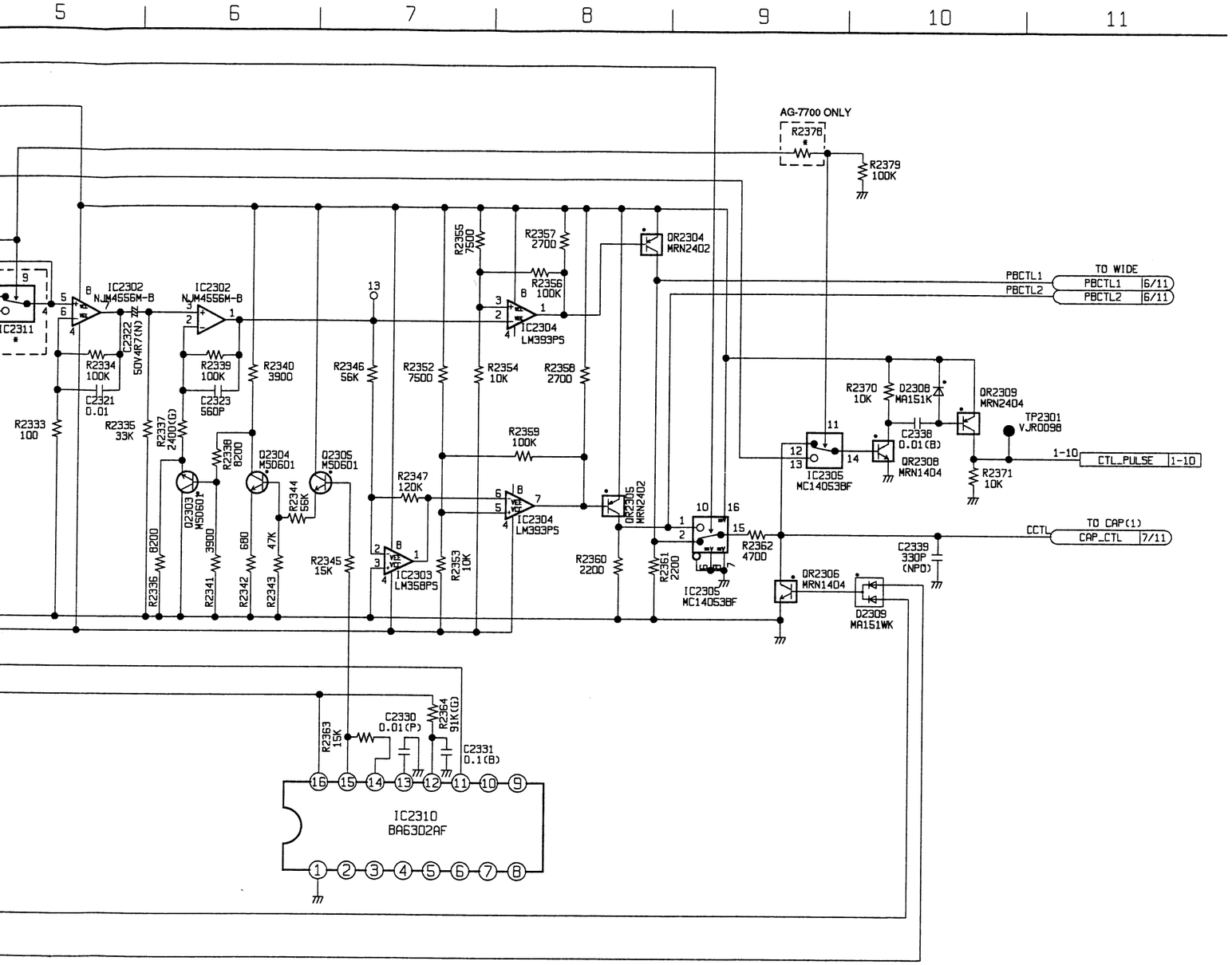
AG-7700 ONLY



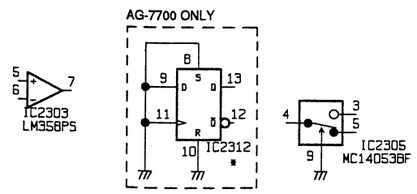


-INPUT SIGNAL
-OUTPUT SIGNAL

*-REFER TO THE COMPARISON CHART
Ref No.2300 Series.



AG-7700 ONLY



=INPUT SIGNAL

=OUTPUT SIGNAL

*=REFER TO THE COMPARISON CHART

Ref No.2300 Series.

CTL AMP DC VOLTAGE CHART

REF. NO.	IC2302									IC2303								
MODE	1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8	
STOP	0.1	0	0	−5.0	0	0	−0.1	5.0		−0.2	0	0	−5.0	0.3	0.2	3.9	5.0	
REC	0	0	0	−5.0	0	0	−0.1	5.0		−0.1	0	0	−5.0	0.3	0.3	3.9	5.0	
F.F.	0.6	0	0	−5.0	0	0	−0.1	5.0		−1.5	−0.1	0	−5.0	0.3	0.3	3.9	5.0	

REF. NO.	IC2304								
MODE	1	2	3	4	5	6	7	8	
STOP	4.9	0.1	0.9	−5.0	0.9	0	4.9	5.0	
REC	4.9	0	0.9	−5.0	0.9	0	4.9	5.0	
F.F	0	0.5	0.7	−0.5	0.7	−1.4	1.4	5.0	

REF. NO.	IC2305															
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
STOP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.0		
REC	0	0	0.4	0.4	0.4	0	0	0	0	0	4.6	0	3.1	3.0	0	5.0		
F.F	1.9	2.7	0	0	0	0	0	0	0	0	0	2.4	0	2.4	2.6	5.0		

REF. NO.	IC2310																	
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
STOP	0	1.3	1.3	0	1.5	4.7	0	0	0.7	0.5	0	5.0	3.4	2.6	1.7	5.1		
REC	0	1.3	0.2	0	0.9	4.4	0	0	1.3	2.0	2.5	0.3	0.6	2.6	3.8	5.1		
F.F	0	1.3	0.2	0	0.9	4.4	0	0	0	0	5.1	5.0	3.4	2.6	1.7	5.0		

REF. NO.	IC2311																	
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
STOP	0	0	0	0	0	0	−5.0	0	0	0	0	0	5.9	0	0	11.7		
REC	0	0	0	0	0	0	−5.0	0	11.7	0	11.7	0	0	0	0	11.7		
F.F	0	0	0	0	0	0	−5.0	0	0	0	0	0	5.9	0	0	11.7		

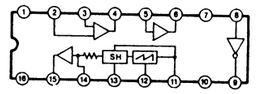
REF. NO.	IC2312																	
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14				
STOP	0	11.6	11.6	11.6	11.7	0	0	0	0	0	0	0	11.7	11.7				
REC	11.7	0	4.6	0	11.7	0	0	0	0	0	0	0	11.7	11.7				
F.F	0	11.6	11.6	11.6	11.7	0	0	0	0	0	0	0	11.7	11.7				

REF. NO.	Q2302			Q2303			Q2304			Q2305								
MODE	E	C	B	E	C	B	E	C	B	E	C	B						
STOP	0	11.7	0	0	0	0.6	0	3.5	0.5	1.2	5.0	1.7						
REC	0	5.6	0.3	0	0	0.3	0.7	0.8	1.3	3.2	5.0	3.7						
F.F.	0	11.7	0	0	0	0.6	0	3.5	0.5	1.2	5.0	1.7						

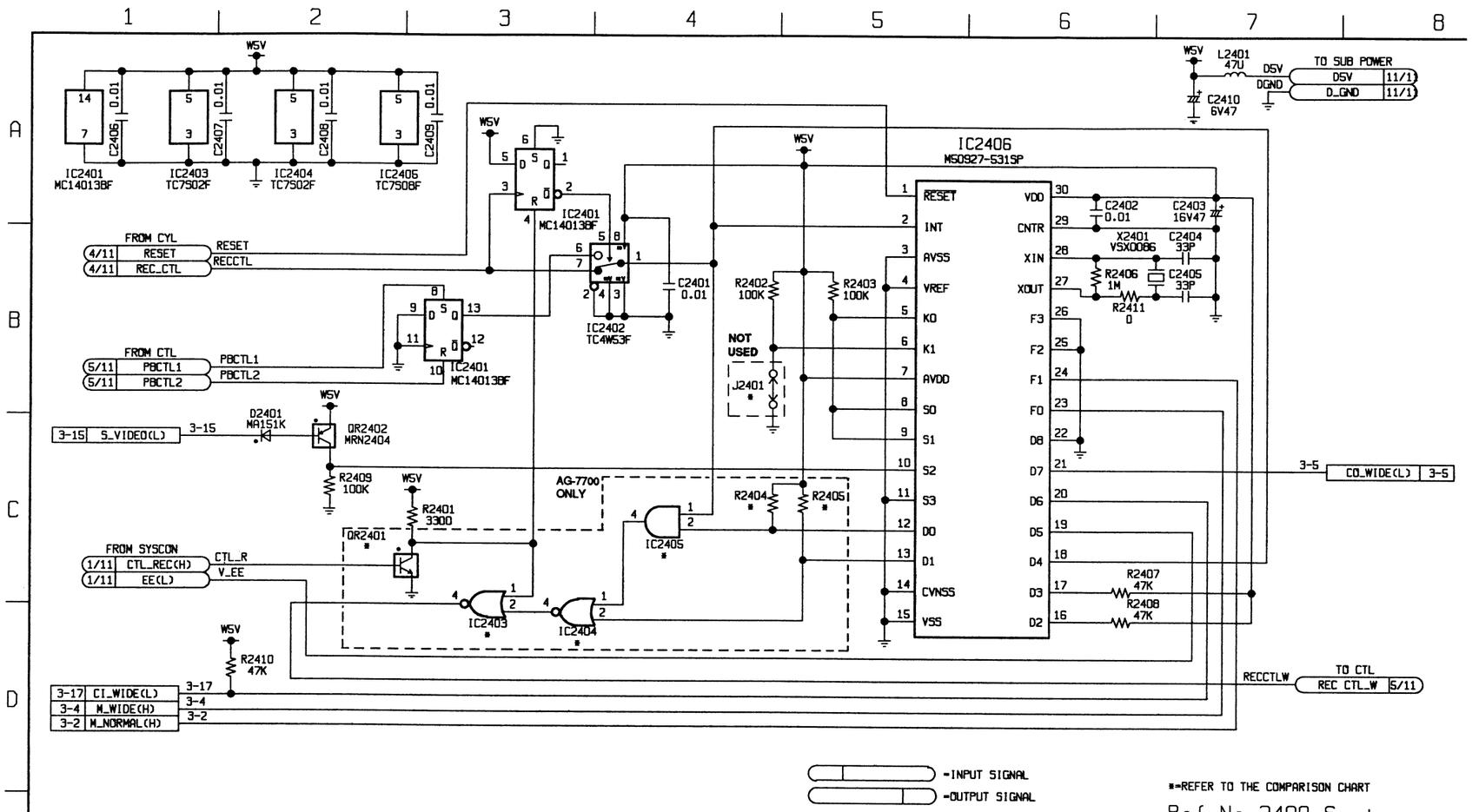
REF. NO.	QR2304			QR2305			QR2306			QR2308			QR2309			QR2310		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	5.0	0	4.9	5.0	0	4.9	0	0	4.7	0	5.0	0	5.0	0	5.0	0	0	0
REC	5.0	0	4.9	5.0	0	4.9	0	0	0	0	2.0	3.0	5.0	0.1	4.9	0	0.3	3.1
F.F.	5.0	2.7	−0.2	5.0	1.9	1.4	0	2.6	0	0	1.8	2.4	5.0	2.9	3.7	0	0	0

REF. NO.	QR2311			QR2312			QR2313			QR2314								
MODE	E	C	B	E	C	B	E	C	B	E	C	B						
STOP	0	0	11.6	0	11.6	0	11.7	11.7	0	0	11.6	0						
REC	0	0.3	0	0	0	4.8	11.7	0.1	11.7	0	4.6	3.1						
F.F.	0	0	11.6	0	11.6	0	11.7	11.7	0	0	11.6	0						

IC2310
BA6302AF



WIDE SCHEMATIC DIAGRAM 6/11 (E3: Page CBA-5)



Ref No.2400 Series.

	AG-7700	AG-7600
J2401	———	———
IC2403	TC7S02F	———
IC2404	TC7S02F	———
IC2405	TC7S02F	———
QR2401	MRN1404	———
R2404	47K	———
R2405	47K	———

WIDE DC VOLTAGE CHART

REF. NO.	IC2401									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0	5.1	0	5.1	5.1	0	0	0	0	0
REC	5.1	0	3.1	0.1	5.1	0	0	0	0	0
F.F	0	5.1	0	5.2	5.2	0	0	2.7	0	1.9

REF. NO.	IC2401									
MODE	11	12	13	14						
STOP	0	0	5.1	5.1						
REC	0	5.1	0	5.1						
F.F	0	2.0	3.1	5.1						

REF. NO.	IC2402									
MODE	1	2	3	4	5	6	7	8		
STOP	5.1	0	0	0	5.1	5.1	0	5.1		
REC	3.1	0	0	0	0	0	3.1	5.1		
F.F	3.1	0	0	0	5.2	3.2	0	5.2		

REF. NO.	IC2403									
MODE	1	2	3	4	5					
STOP	5.1	0	0	0	5.1					
REC	0.1	2.1	0	3.1	5.1					
F.F	5.2	0	0	0	5.2					

REF. NO.	IC2404									
MODE	1	2	3	4	5					
STOP	5.1	0	0	0	5.1					
REC	0.4	3.1	0	2.1	5.1					
F.F	0	5.2	0	0	5.2					

REF. NO.	IC2405									
MODE	1	2	3	4	5					
STOP	5.1	5.1	0	5.1	5.1					
REC	3.1	1.8	0	0.4	5.1					
F.F	3.2	0	0	0	5.2					

REF. NO.	IC2406									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	5.1	5.1	0	0	5.1	0	5.1	5.1	5.1	5.1
REC	5.1	3.1	0	0	5.1	5.0	5.1	5.1	5.1	5.1
F.F	5.2	3.1	0	0	5.1	5.1	5.2	5.1	5.1	5.1

REF. NO.	IC2406									
MODE	11	12	13	14	15	16	17	18	19	20
STOP	0	5.1	0	0	0	5.1	5.1	5.1	0	5.1
REC	0	1.8	3.1	0	0	5.1	5.1	3.1	0	5.1
F.F	0	5.1	5.2	0	0	5.2	5.2	3.2	0	5.1

REF. NO.	IC2406									
MODE	21	22	23	24	25	26	27	28	29	30
STOP	4.8	0	0	0	0	0	2.5	2.5	0	5.1
REC	4.8	0	0	0	0	0	2.5	2.5	0	5.1
F.F	4.8	0	0	0	0	0	2.5	2.5	0	5.2

REF. NO.	QR2401			QR2402						
MODE	E	C	B	E	C	B				
STOP	0	5.1	0	5.1	5.1	3.7				
REC	0	0.1	4.8	5.1	5.1	3.7				
F.F.	0	5.2	0	5.1	5.1	3.7				

CAPSTAN SERVO-1 SCHEMATIC DIAGRAM 7/11 (E3: Page CBA-5)

WIDE DC VOLTAGE CHART

REF. NO.	IC2401									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0	5.1	0	5.1	5.1	0	0	0	0	0
REC	5.1	0	3.1	0.1	5.1	0	0	0	0	0
F.F	0	5.1	0	5.2	5.2	0	0	2.7	0	1.9

REF. NO.	IC2401									
MODE	11	12	13	14						
STOP	0	0	5.1	5.1						
REC	0	5.1	0	5.1						
F.F	0	2.0	3.1	5.1						

REF. NO.	IC2402									
MODE	1	2	3	4	5	6	7	8		
STOP	5.1	0	0	0	5.1	5.1	0	5.1		
REC	3.1	0	0	0	0	0	3.1	5.1		
F.F	3.1	0	0	0	5.2	3.2	0	5.2		

REF. NO.	IC2403									
MODE	1	2	3	4	5					
STOP	5.1	0	0	0	5.1					
REC	0.1	2.1	0	3.1	5.1					
F.F	5.2	0	0	0	5.2					

REF. NO.	IC2404									
MODE	1	2	3	4	5					
STOP	5.1	0	0	0	5.1					
REC	0.4	3.1	0	2.1	5.1					
F.F	0	5.2	0	0	5.2					

REF. NO.	IC2405									
MODE	1	2	3	4	5					
STOP	5.1	5.1	0	5.1	5.1					
REC	3.1	1.8	0	0.4	5.1					
F.F	3.2	0	0	0	5.2					

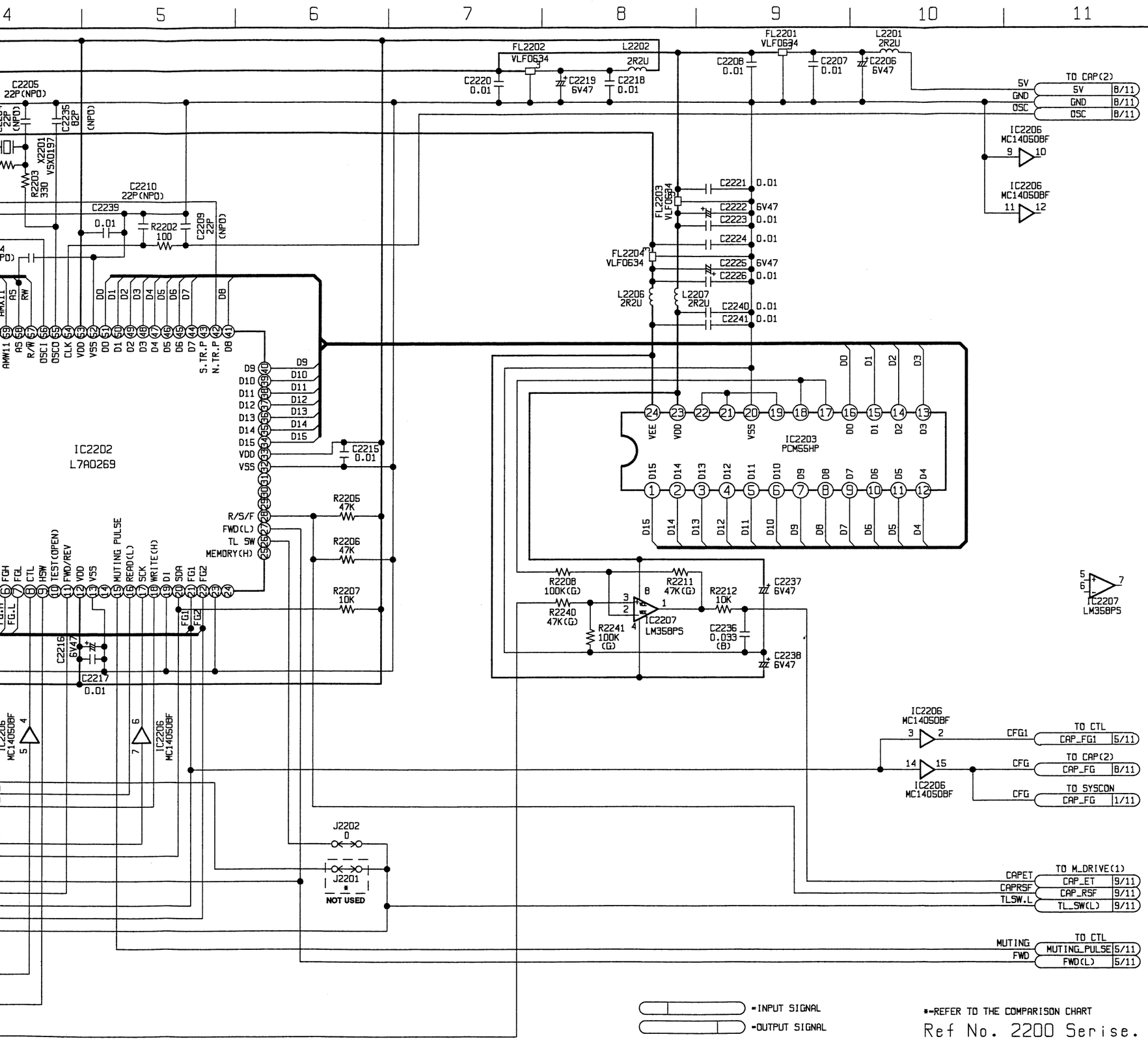
REF. NO.	IC2406									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	5.1	5.1	0	0	5.1	0	5.1	5.1	5.1	5.1
REC	5.1	3.1	0	0	5.1	5.0	5.1	5.1	5.1	5.1
F.F	5.2	3.1	0	0	5.1	5.1	5.2	5.1	5.1	5.1

REF. NO.	IC2406									
MODE	11	12	13	14	15	16	17	18	19	20
STOP	0	5.1	0	0	0	5.1	5.1	5.1	0	5.1
REC	0	1.8	3.1	0	0	5.1	5.1	3.1	0	5.1
F.F	0	5.1	5.2	0	0	5.2	5.2	3.2	0	5.1

REF. NO.	IC2406									
MODE	21	22	23	24	25	26	27	28	29	30
STOP	4.8	0	0	0	0	0	2.5	2.5	0	5.1
REC	4.8	0	0	0	0	0	2.5	2.5	0	5.1
F.F	4.8	0	0	0	0	0	2.5	2.5	0	5.2

REF. NO.	QR2401			QR2402						
MODE	E	C	B	E	C	B				
STOP	0	5.1	0	5.1	5.1	3.7				
REC	0	0.1	4.8	5.1	5.1	3.7				
F.F.	0	5.2	0	5.1	5.1	3.7				

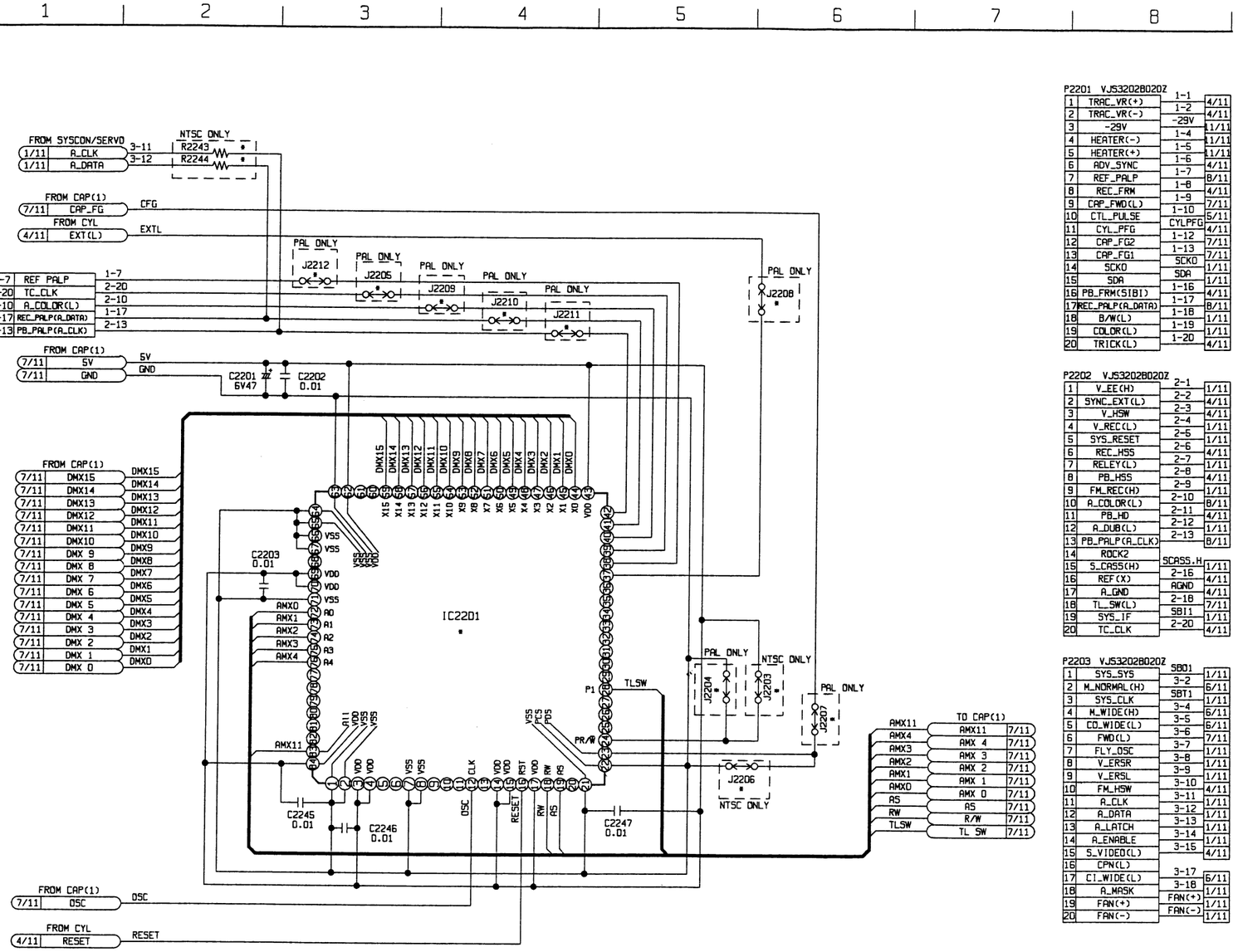
: Page CBA-5)



CAPSTAN SERVO-1 DC VOLTAGE CHART

REF. NO.	IC2202									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	4.8	2.2	0	5.0	5.0	0	2.0	0	2.6	5.1
REC	4.2	3.0	0	2.6	2.6	2.5	2.5	0	2.5	5.1
F.F	2.6	2.1	0	2.6	0	5.0	2.4	2.6	2.6	5.1
REF. NO.	IC2202									
MODE	11	12	13	14	15	16	17	18	19	20
STOP	5.1	5.1	0	0	5.1	4.5	5.0	0	0	4.6
REC	0	5.1	0	0	0	4.5	5.0	0	0	4.6
F.F	0	5.2	0	0	0	4.6	5.0	0	0	4.6
REF. NO.	IC2202									
MODE	21	22	23	24	25	26	27	28	29	30
STOP	0	4.5	0	5.1	0	5.1	0	0	0	0
REC	2.3	2.3	0	5.1	0	0	0	0	0	0
F.F	5.0	4.5	0	5.2	0	5.1	0	0	0	0
REF. NO.	IC2202									
MODE	31	32	33	34	35	36	37	38	39	40
STOP	0	0	5.1	5.1	0	0	5.1	5.1	5.1	0
REC	0	0	5.1	0	5.1	5.1	0	0	5.1	0
F.F	0	0	5.2	5.2	0	0	0	0	0	0
REF. NO.	IC2202									
MODE	41	42	43	44	45	46	47	48	49	50
STOP	5.1	1.9	5.1	0	5.1	5.1	0	5.1	5.1	5.1
REC	2.9	1.9	5.1	2.7	2.7	2.6	2.7	2.6	2.7	2.6
F.F	0	1.9	5.2	0	0	0	0	0	0	0
REF. NO.	IC2202									
MODE	51	52	53	54	55	56	57	58	59	60
STOP	0	0	5.1	1.5	2.1	2.2	5.0	3.2	0.5	4.1
REC	2.7	0	5.1	1.9	1.9	2.2	5.0	2.8	0.3	1.9
F.F	0	0	5.2	1.6	2.1	2.2	5.0	3.2	0.5	4.5
REF. NO.	IC2202									
MODE	61	62	63	64	65	66	67	68	69	70
STOP	0.9	0.8	0.9	0.9	3.4	2.4	2.2	2.3	3.4	3.6
REC	2.1	3.6	2.8	2.4	4.2	4.4	3.7	3.5	3.6	3.0
F.F	0.8	1.0	0.5	0.3	2.4	3.7	3.7	3.7	3.7	3.3
REF. NO.	IC2202									
MODE	71	72	73	74	75	76	77	78	79	80
STOP	4.0	2.2	5.1	0	2.9	2.8	2.8	4.3	2.8	4.3
REC	4.1	2.9	5.1	0	3.6	3.7	3.6	3.6	4.1	3.7
F.F	3.1	3.1	5.2	0	2.9	2.9	3.0	2.9	2.9	2.2
REF. NO.	IC2203									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0	5.1	0	0	5.1	0	0	5.1	0	5.1
REC	0	5.1	5.1	0	5.1	5.1	3.8	2.2	2.6	2.7
F.F	5.2	0	0	0	0	0	0	0	0	0
REF. NO.	IC2203									
MODE	11	12	13	14	15	16	17	18	19	20
STOP	5.1	0	0	5.1	0	0	0	0	0	0
REC	2.7	2.7	2.7	2.7	2.7	2.7	0.6	0.6	0	0
F.F	0	0	0	0	0	0	0	0	0	0
REF. NO.	IC2203									
MODE	21	22	23	24						
STOP	0	0	5.1	−5.0						
REC	0	0	5.1	−5.0						
F.F	0	0	5.1	−5.0						
REF. NO.	IC2206									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	5.1	5.1	0	0	0	5.0	4.7	0	0	0
REC	5.1	2.5	2.3	0	0	5.0	4.7	0	0	0
F.F	5.2	5.1	0.1	2.8	2.4	5.1	4.7	0	0	0
REF. NO.	IC2206									
MODE	11	12	13	14	15	16				
STOP	0	0	0	0	5.1	0				
REC	0	0	0	2.6	2.6	0				
F.F	0	0	0	2.6	5.1	0				
REF. NO.	IC2207									
MODE	1	2	3	4	5	6	7	8		
STOP	2.0	1.6	1.6	−5.0	0.3	0.3	4.0	5.1		
REC	2.1	1.6	1.6	−5.0	0.3	0.3	4.0	5.1		
F.F	2.4	1.6	1.6	−5.0	0.3	0.3	4.0	5.2		

CAPSTAN SERVO-2 SCHEMATIC DIAGRAM 8/11 (E3: Page CBA-5)



P2201 VJ53202B020Z

1	TRAC_VR(+)	1-1	4/11
2	TRAC_VR(-)	1-2	4/11
3	-29V	-29V	11/11
4	HEATER(-)	1-4	11/11
5	HEATER(+)	1-5	11/11
6	ADV_SYNC	1-6	4/11
7	REF_PALP	1-7	8/11
8	REC_FRM	1-8	4/11
9	CAP_FWD(L)	1-9	7/11
10	CTL_PULSE	1-10	5/11
11	CYL_PFG	CYLPFG	4/11
12	CAP_FG2	1-12	7/11
13	CAP_FG1	1-13	7/11
14	SCKO	SCKO	1/11
15	SDA	SDA	1/11
16	PB_FRM(5IBI)	1-16	4/11
17	REC_PALP(A_DATA)	1-17	8/11
18	B/W(L)	1-18	1/11
19	COLOR(L)	1-19	1/11
20	TRICK(L)	1-20	4/11

P2202 VJ53202B020Z

1	V_EE(H)	2-1	1/11
2	SYNC_EXT(L)	2-2	4/11
3	V_HSW	2-3	4/11
4	V_REC(L)	2-4	1/11
5	SYS_RESET	2-5	1/11
6	REC_HSS	2-6	4/11
7	RELEY(L)	2-7	1/11
8	PB_HSS	2-8	4/11
9	FM_REC(H)	2-9	1/11
10	A_COLOR(L)	2-10	8/11
11	PB_HD	2-11	4/11
12	A_DUB(L)	2-12	1/11
13	PB_PALP(A_CLK)	2-13	8/11
14	ROCK2	SCASS.H	1/11
15	S_CASS(H)	2-16	4/11
16	REF(X)	AGND	4/11
17	A_GND	2-18	7/11
18	TL_SW(L)	SBI1	1/11
19	SYS_IF	2-20	4/11
20	TC_CLK		

P2203 VJ53202B020Z

1	SYS_SYS	SBD1	1/11
2	M_NORMAL(H)	3-2	6/11
3	SYS_CLK	SBT1	1/11
4	M_WIDE(H)	3-4	6/11
5	CD_WIDE(L)	3-5	6/11
6	FWD(L)	3-6	7/11
7	FLY_OSC	3-7	1/11
8	V_ERSR	3-8	1/11
9	V_ERSL	3-9	1/11
10	FM_HSW	3-10	4/11
11	A_CLK	3-11	1/11
12	A_DATA	3-12	1/11
13	A_LATCH	3-13	1/11
14	A_ENABLE	3-14	1/11
15	S_VIDEO(L)	3-15	4/11
16	CPN(L)	3-17	6/11
17	CI_WIDE(L)	3-18	1/11
18	A_MASK	FAN(+)	1/11
19	FAN(+)	FAN(-)	1/11
20	FAN(-)		

	AG-7700	AG-7600
IC2201	MN19041VMCX	MN19041VMCX
J2203	———	———
J2204	0	0
J2205	0	0
J2206	———	———
J2207	0	0
J2208	0	0
J2209	0	0
J2210	0	0
J2211	0	0
J2212	0	0
R2243	———	———
R2244	———	———

=INPUT SIGNAL
=OUTPUT SIGNAL
*=REFER TO THE COMPARISON CHART
Ref No.2200 Series.

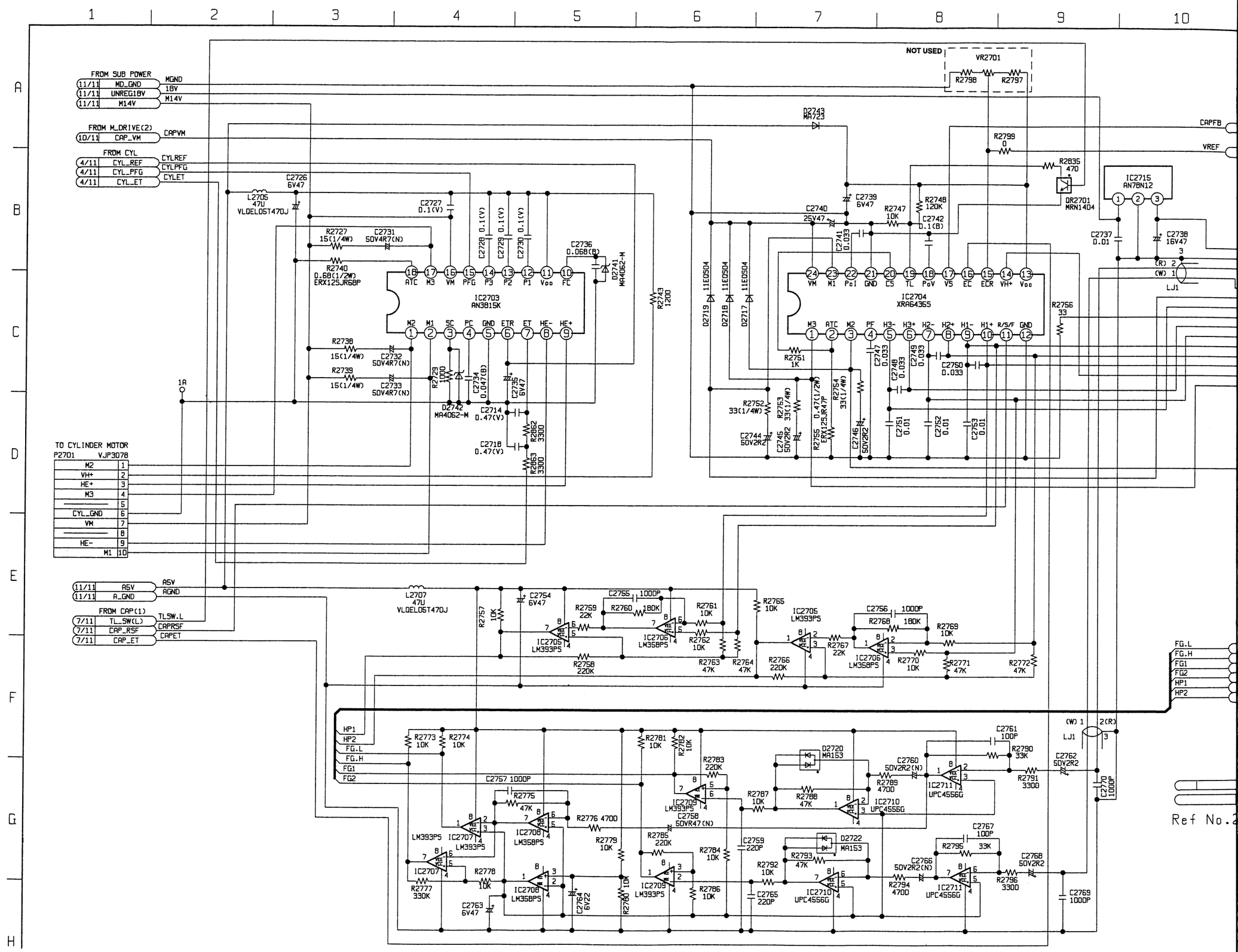
CAPSTAN SERVO-2 DC VOLTAGE CHART

REF. NO.	IC2201									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0	0	5.1	5.1	0	0	0	0	3.1	2.4
REC	0	0	5.1	5.1	0	0	0	0	3.1	2.4
F.F	0	0	5.2	5.2	0	0	0	0	3.1	2.2
REF. NO.	IC2201									
MODE	11	12	13	14	15	16	17	18	19	20
STOP	2.6	2.1	2.4	5.1	5.1	5.1	5.1	4.9	3.1	4.2
REC	2.6	2.1	2.4	5.1	5.1	5.1	5.1	4.9	2.8	4.2
F.F	2.7	2.1	2.4	5.2	5.2	5.2	5.2	5.0	3.2	4.3
REF. NO.	IC2201									
MODE	21	22	23	24	25	26	27	28	29	30
STOP	0	0	0	0	0	0	0.1	0.1	0.1	0.1
REC	0	0	2.5	0	5.1	0	0.1	0.1	0.1	0.1
F.F	0	0	5.1	0	0	0	0.2	0.2	0.2	0.2
REF. NO.	IC2201									
MODE	31	32	33	34	35	36	37	38	39	40
STOP	0.1	0.1	0.1	0.1	0.1	0.1	0.5	0.1	2.6	0.1
REC	0.1	0.1	0.1	0.1	0.1	0.1	5.0	0.1	2.6	0.1
F.F	0.1	0.1	0.1	0.1	0.1	0.1	5.1	0.2	2.6	0.1
REF. NO.	IC2201									
MODE	41	42	43	44	45	46	47	48	49	50
STOP	2.4	0	5.1	2.5	4.7	4.3	3.0	4.3	3.0	3.0
REC	2.5	0	5.1	3.0	4.3	3.6	4.0	3.6	3.7	3.7
F.F	2.4	0	5.2	3.7	2.9	2.9	2.9	2.9	2.9	2.9
REF. NO.	IC2201									
MODE	51	52	53	54	55	56	57	58	59	60
STOP	3.0	2.5	4.0	3.8	3.6	2.6	2.5	2.7	3.6	5.1
REC	3.5	2.9	4.0	3.0	3.7	3.5	3.7	4.2	4.2	5.1
F.F	2.9	3.1	3.1	3.3	3.7	2.2	4.0	3.7	3.9	5.2
REF. NO.	IC2201									
MODE	61	62	63	64	65	66	67	68	69	70
STOP	5.1	5.1	0	0	0	0	0	5.1	5.1	5.1
REC	5.1	5.1	0	0	0	0	0	5.1	5.1	5.1
F.F	5.2	5.2	0	0	0	0	0	5.2	5.2	5.2
REF. NO.	IC2201									
MODE	71	72	73	74	75	76	77	78	79	80
STOP	0	0.9	0.9	0.8	0.9	4.1	4.6	3.8	4.7	4.7
REC	0	2.4	2.8	3.7	2.1	1.9	1.2	4.3	4.6	4.6
F.F	0	0.3	0.4	1.0	0.8	4.5	4.7	3.9	4.7	4.7
REF. NO.	IC2201									
MODE	81	82	83	84						
STOP	0	0	0.5	5.1						
REC	0	0	0.5	5.1						
F.F	0	0	0.5	5.2						

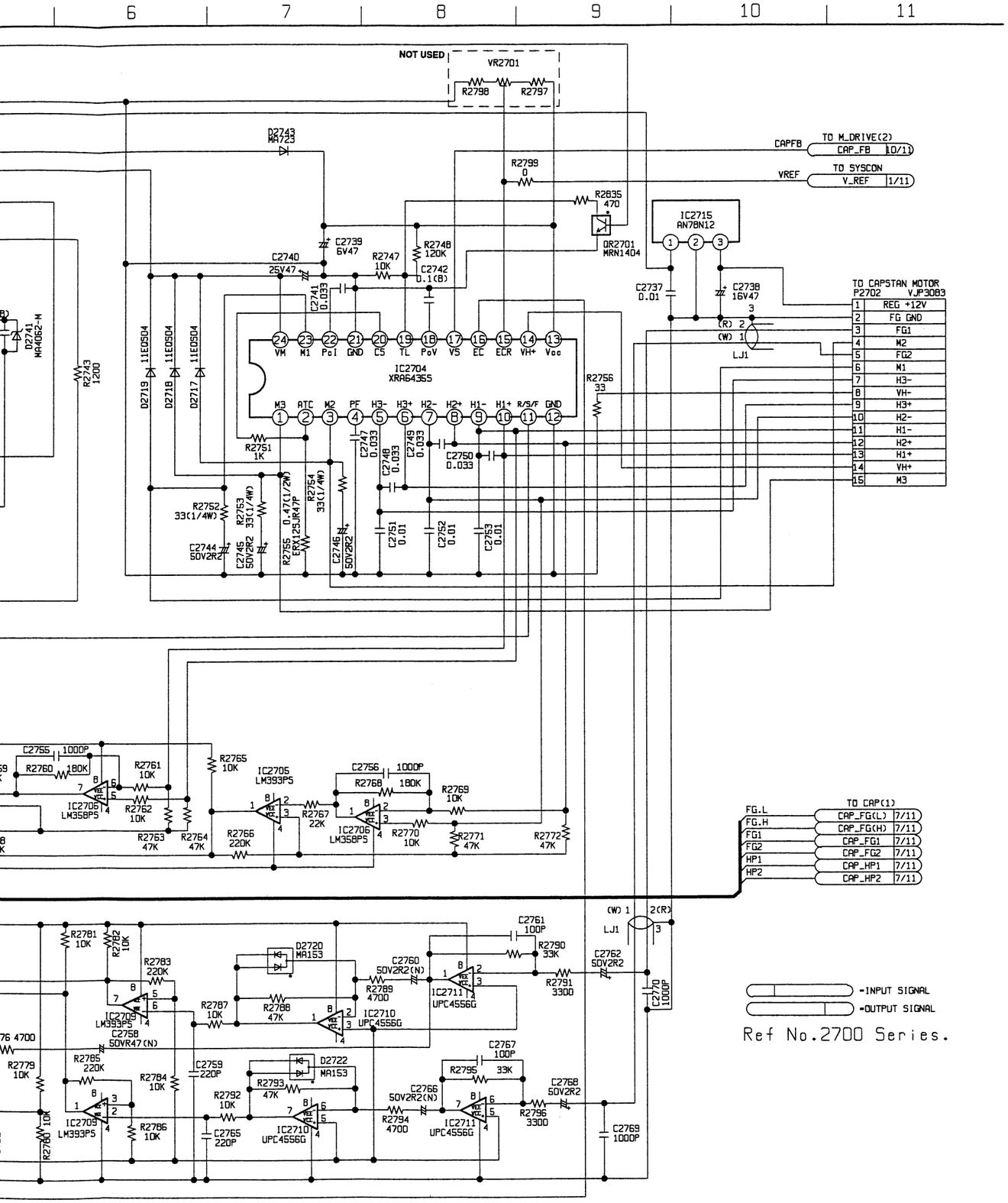
MOTOR DRIVE-1 SCHEMATIC DIAGRAM 9/11 (E3: Page CBA-5)

N SERVO-2 DC VOLTAGE CHART

IC2201								
2	3	4	5	6	7	8	9	10
0	5.1	5.1	0	0	0	0	3.1	2.4
0	5.1	5.1	0	0	0	0	3.1	2.4
0	5.2	5.2	0	0	0	0	3.1	2.2
IC2201								
12	13	14	15	16	17	18	19	20
2.1	2.4	5.1	5.1	5.1	5.1	4.9	3.1	4.2
2.1	2.4	5.1	5.1	5.1	5.1	4.9	2.8	4.2
2.1	2.4	5.2	5.2	5.2	5.2	5.0	3.2	4.3
IC2201								
22	23	24	25	26	27	28	29	30
0	0	0	0	0	0.1	0.1	0.1	0.1
0	2.5	0	5.1	0	0.1	0.1	0.1	0.1
0	5.1	0	0	0	0.2	0.2	0.2	0.2
IC2201								
32	33	34	35	36	37	38	39	40
0.1	0.1	0.1	0.1	0.1	0.5	0.1	2.6	0.1
0.1	0.1	0.1	0.1	0.1	5.0	0.1	2.6	0.1
0.1	0.1	0.1	0.1	0.1	5.1	0.2	2.6	0.1
IC2201								
42	43	44	45	46	47	48	49	50
0	5.1	2.5	4.7	4.3	3.0	4.3	3.0	3.0
0	5.1	3.0	4.3	3.6	4.0	3.6	3.7	3.7
0	5.2	3.7	2.9	2.9	2.9	2.9	2.9	2.9
IC2201								
52	53	54	55	56	57	58	59	60
2.5	4.0	3.8	3.6	2.6	2.5	2.7	3.6	5.1
2.9	4.0	3.0	3.7	3.5	3.7	4.2	4.2	5.1
3.1	3.1	3.3	3.7	2.2	4.0	3.7	3.9	5.2
IC2201								
62	63	64	65	66	67	68	69	70
5.1	0	0	0	0	0	5.1	5.1	5.1
5.1	0	0	0	0	0	5.1	5.1	5.1
5.2	0	0	0	0	0	5.2	5.2	5.2
IC2201								
72	73	74	75	76	77	78	79	80
0.9	0.9	0.8	0.9	4.1	4.6	3.8	4.7	4.7
2.4	2.8	3.7	2.1	1.9	1.2	4.3	4.6	4.6
0.3	0.4	1.0	0.8	4.5	4.7	3.9	4.7	4.7
IC2201								
82	83	84						
0	0.5	5.1						
0	0.5	5.1						
0	0.5	5.2						

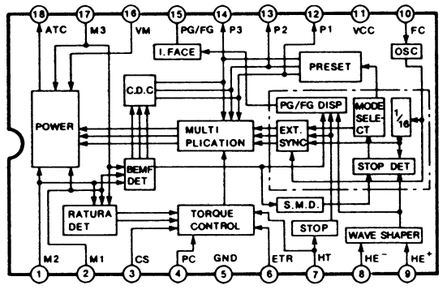


(A-5)

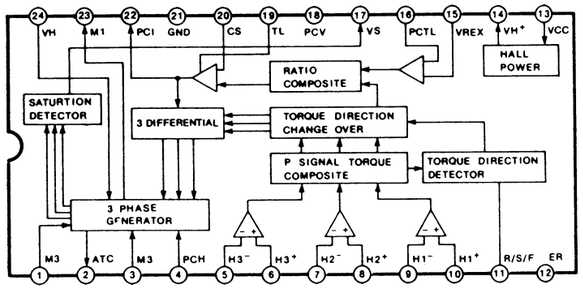


Ref No.2700 Series.

IC2703
AN3815K



IC2704
XRA6435S



MOTOR DRIVE-1 DC VOLTAGE CHART

REF. NO.	IC2703									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	14.7	14.7	0.4	1.1	0	2.5	2.4	0.6	0.5	2.6
REC	14.7	14.7	0.4	1.1	0	2.5	2.4	0.6	0.5	2.6
F.F	14.7	14.8	0.4	1.1	0	2.5	2.4	0.6	0.5	2.6

REF. NO.	IC2703									
MODE	11	12	13	14	15	16	17	18		
STOP	5.0	3.6	3.6	3.6	1.1	14.9	14.7	0.1		
REC	5.0	3.6	3.6	3.6	1.1	15.0	14.7	0.1		
F.F	5.0	3.6	3.6	3.6	1.1	14.9	14.7	0.1		

REF. NO.	IC2704									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	2.0	0	2.0	1.4	1.9	1.9	1.9	1.9	1.9	1.9
REC	0.9	0	0.9	1.4	1.9	1.9	1.9	1.9	1.9	1.9
F.F	1.9	0	2.0	1.4	1.9	1.9	1.9	1.9	1.9	1.9

REF. NO.	IC2704									
MODE	11	12	13	14	15	16	17	18	19	20
STOP	5.1	0	4.7	3.4	2.4	2.4	2.7	0	0	0
REC	0	0	4.7	3.4	2.4	2.1	2.8	0.6	0.4	0.1
F.F	0	0	4.7	3.4	2.4	2.4	2.7	0	0	0

REF. NO.	IC2704									
MODE	21	22	23	24						
STOP	0	0	1.8	4.0						
REC	0	0.7	0.7	4.0						
F.F	0	0	1.8	4.0						

REF. NO.	IC2705									
MODE	1	2	3	4	5	6	7	8		
STOP	0	3.2	1.7	0	1.7	2.0	0	5.0		
REC	2.6	2.0	2.0	0	2.0	2.0	2.6	5.0		
F.F	5.0	0.6	2.2	0	1.7	3.5	0	5.0		

REF. NO.	IC2706									
MODE	1	2	3	4	5	6	7	8		
STOP	3.2	1.9	1.9	0	1.9	1.9	2.0	5.0		
REC	2.0	1.9	1.9	0	1.9	1.9	2.0	5.0		
F.F	0.6	1.9	1.9	0	1.9	1.9	3.5	5.0		

REF. NO.	IC2707									
MODE	1	2	3	4	5	6	7	8		
STOP	2.1	2.5	2.5	0	2.4	2.5	0	5.0		
REC	2.5	2.5	2.5	0	2.5	2.5	2.5	5.0		
F.F	2.1	2.5	2.5	0	2.5	2.5	0	5.0		

REF. NO.	IC2708									
MODE	1	2	3	4	5	6	7	8		
STOP	2.5	2.5	2.5	0	2.5	2.5	2.5	5.0		
REC	2.5	2.5	2.5	0	2.5	2.5	2.5	5.0		
F.F	2.5	2.5	2.5	0	2.5	2.5	2.5	5.0		

REF. NO.	IC2709									
MODE	1	2	3	4	5	6	7	8		
STOP	5.0	2.5	2.4	0	2.4	2.5	4.5	5.0		
REC	2.3	2.5	2.5	0	2.5	2.5	2.3	5.0		
F.F	0.1	2.5	2.4	0	2.4	2.5	4.5	5.0		

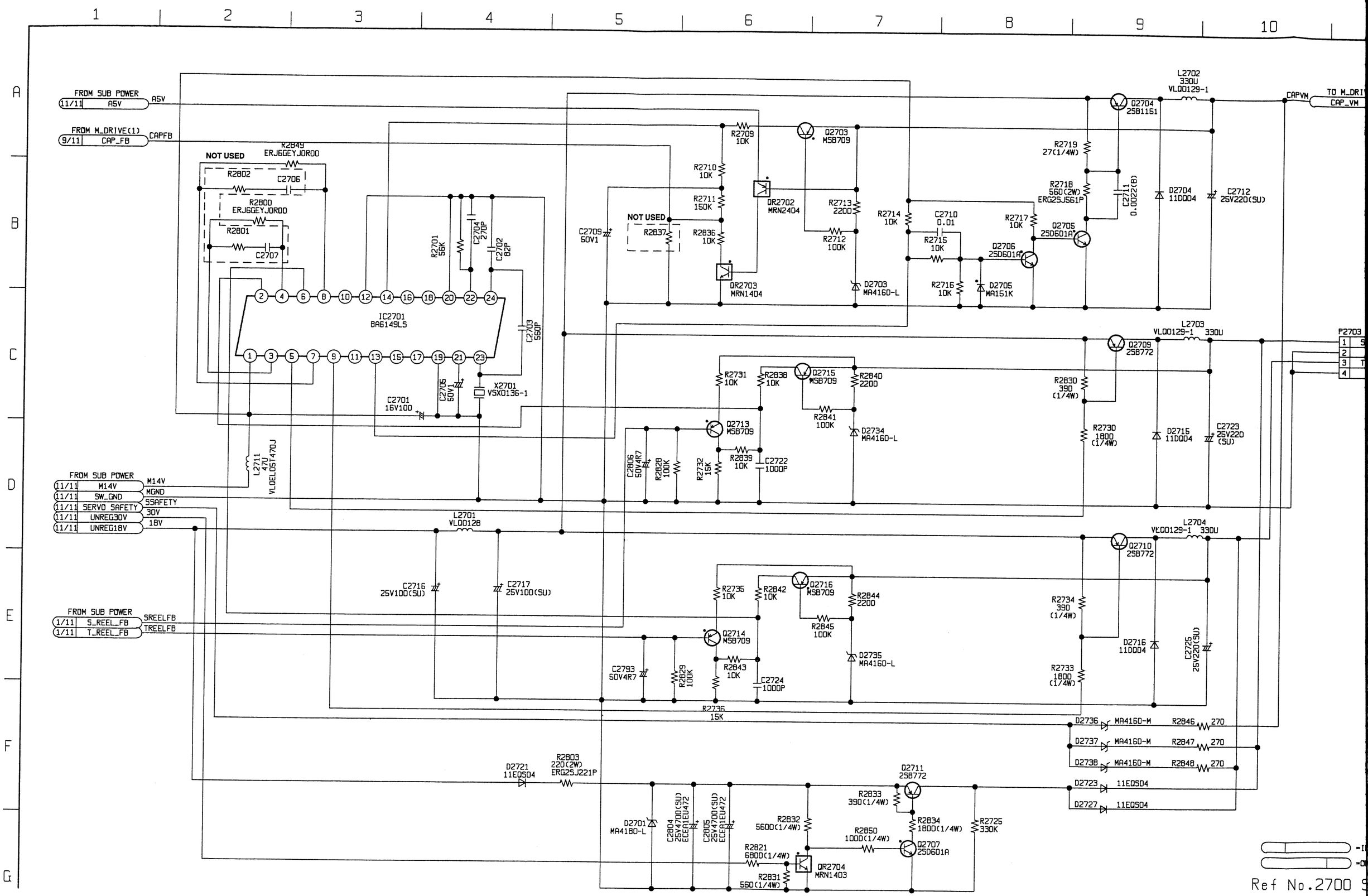
REF. NO.	IC2710									
MODE	1	2	3	4	5	6	7	8		
STOP	2.5	2.5	2.5	0	2.5	2.5	2.5	5.0		
REC	2.5	2.5	2.5	0	2.5	2.5	2.5	5.0		
F.F	2.5	2.5	2.5	0	2.5	2.5	2.5	5.0		

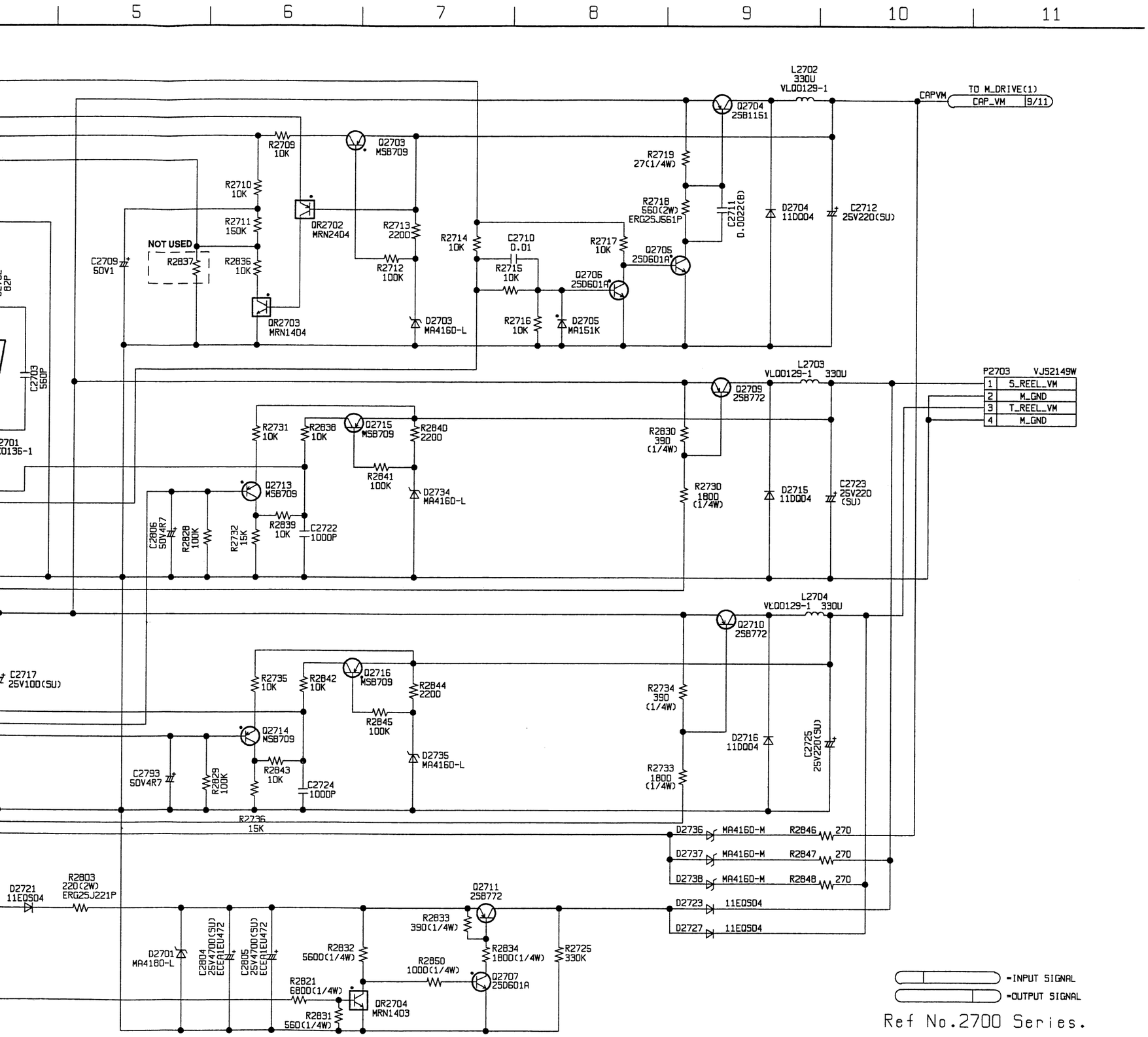
REF. NO.	IC2711									
MODE	1	2	3	4	5	6	7	8		
STOP	2.5	2.5	2.5	0	2.5	2.5	2.5	5.0		
REC	2.5	2.5	2.5	0	2.5	2.5	2.5	5.0		
F.F	2.5	2.5	2.5	0	2.5	2.5	2.5	5.0		

REF. NO.	IC2715									
MODE	I	G	O							
STOP	18.4	0	12.0							
REC	18.4	0	12.0							
F.F	18.3	0	12.0							

REF. NO.	QR2701									
MODE	E	C	B							
STOP	0	0	5.1							
REC	0	0.4	0							
F.F.	0	0	5.2							

MOTOR DRIVE-2 SCHEMATIC DIAGRAM 10/11 (E3: Page CBA-5)

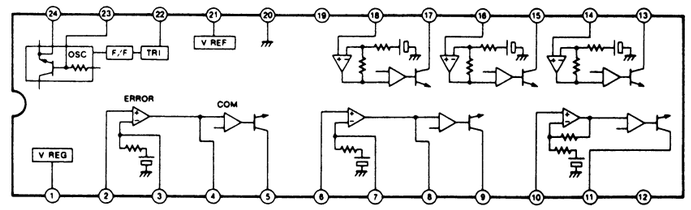




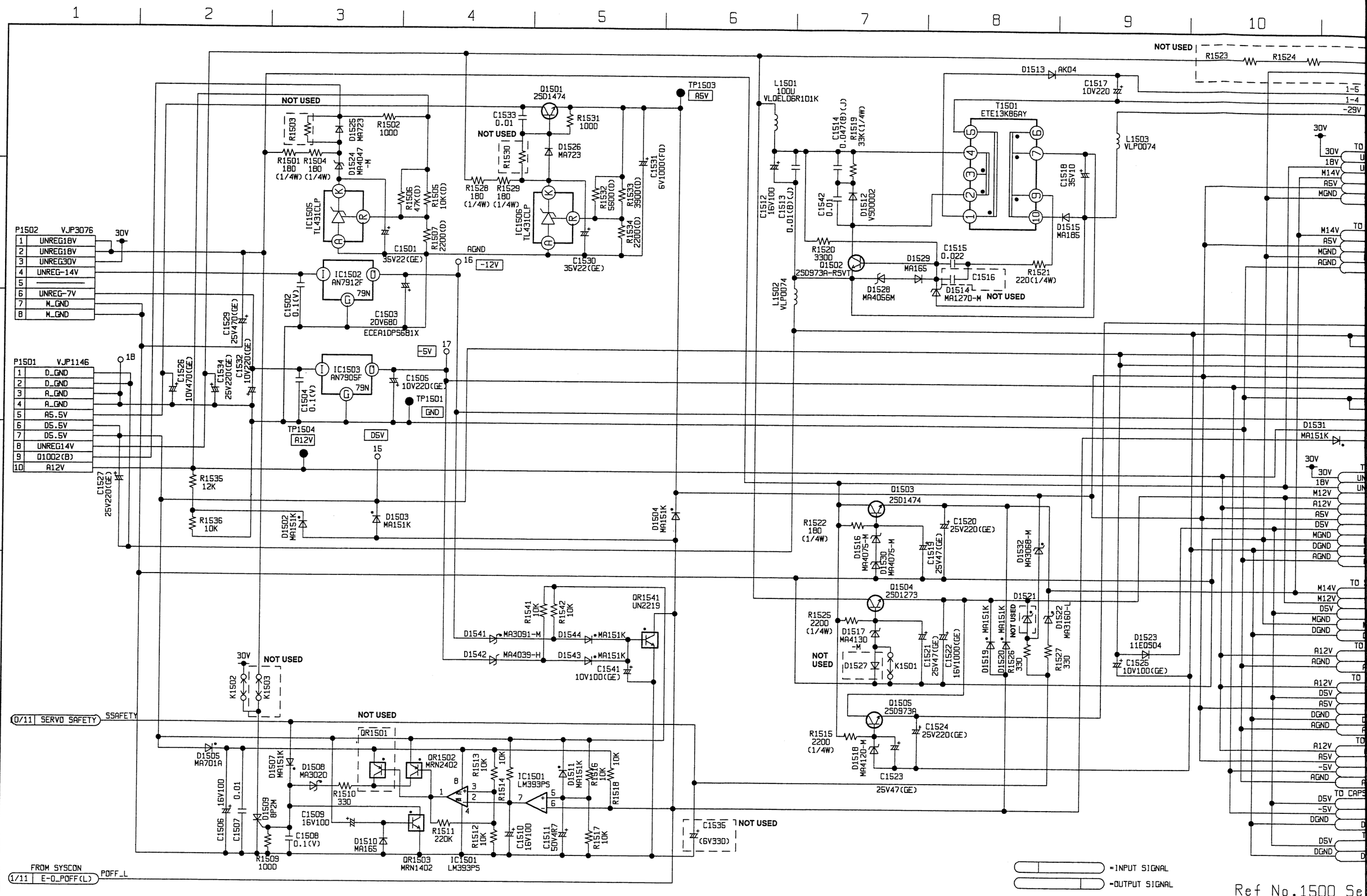
MOTOR DRIVE-2 DC VOLTAGE CHART

REF. NO.	IC2701									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	14.9	2.9	3.3	3.0	18.9	2.9	3.2	3.2	18.0	0
REC	14.9	2.9	3.3	3.0	18.1	2.9	2.9	2.9	17.8	0.1
F.F	14.9	2.8	2.9	2.9	17.8	2.7	2.7	2.7	12.3	0.1
REF. NO.	IC2701									
MODE	11	12	13	14	15	16	17	18	19	20
STOP	0	0	6.1	2.7	0.5	0	0.5	0	0	0
REC	0.1	0	2.1	2.8	0.5	0.1	0.5	0.1	0	0
F.F	0.1	0	6.1	2.7	0.5	0.1	0.5	0.1	0	0
REF. NO.	IC2701									
MODE	21	22	23	24						
STOP	2.6	2.5	2.9	2.7						
REC	2.6	2.5	2.9	2.7						
F.F	2.6	2.5	2.9	2.8						
REF. NO.	Q2703			Q2704			Q2705			
MODE	E	C	B	E	C	B	E	C	B	
STOP	4.0	2.8	4.0	17.9	4.0	17.7	0	17.4	0	
REC	4.0	2.8	4.0	17.9	12.4	17.7	0	16.8	0.1	
F.F.	4.0	2.8	4.0	17.9	4.0	17.7	0	17.1	0	
REF. NO.	Q2706			Q2707			Q2709			
MODE	E	C	B	E	C	B	E	C	B	
STOP	0	0.2	0.7	0	17.0	0.1	17.8	5.5	17.3	
REC	0	0.1	0.5	0	17.0	0.1	17.9	11.8	17.7	
F.F.	0	0	0.7	0	16.7	0.1	17.8	17.0	17.3	
REF. NO.	Q2710			Q2711			Q2713			
MODE	E	C	B	E	C	B	E	C	B	
STOP	17.8	5.6	17.4	17.5	1.2	17.5	2.9	2.9	2.4	
REC	17.9	11.9	17.7	17.0	2.9	17.0	3.0	3.0	2.4	
F.F.	17.8	7.1	17.4	17.0	2.0	17.0	3.6	2.8	3.3	
REF. NO.	Q2714			Q2715			Q2716			
MODE	E	C	B	E	C	B	E	C	B	
STOP	2.9	2.9	2.4	5.2	2.9	4.9	5.1	2.9	4.9	
REC	3.7	2.9	3.1	4.9	2.9	4.8	4.9	2.8	4.8	
F.F.	5.3	2.7	4.5	15.3	2.9	15.9	13.0	2.7	11.0	
REF. NO.	QR2702			QR2703			QR2704			
MODE	E	C	B	E	C	B	E	C	B	
STOP	5.0	1.4	4.0	0	1.6	1.2	0	0.1	2.4	
REC	5.0	1.4	4.0	0	1.6	1.4	0	0.1	2.5	
F.F.	5.0	1.2	4.0	0	1.8	1.2	0	0.1	2.4	

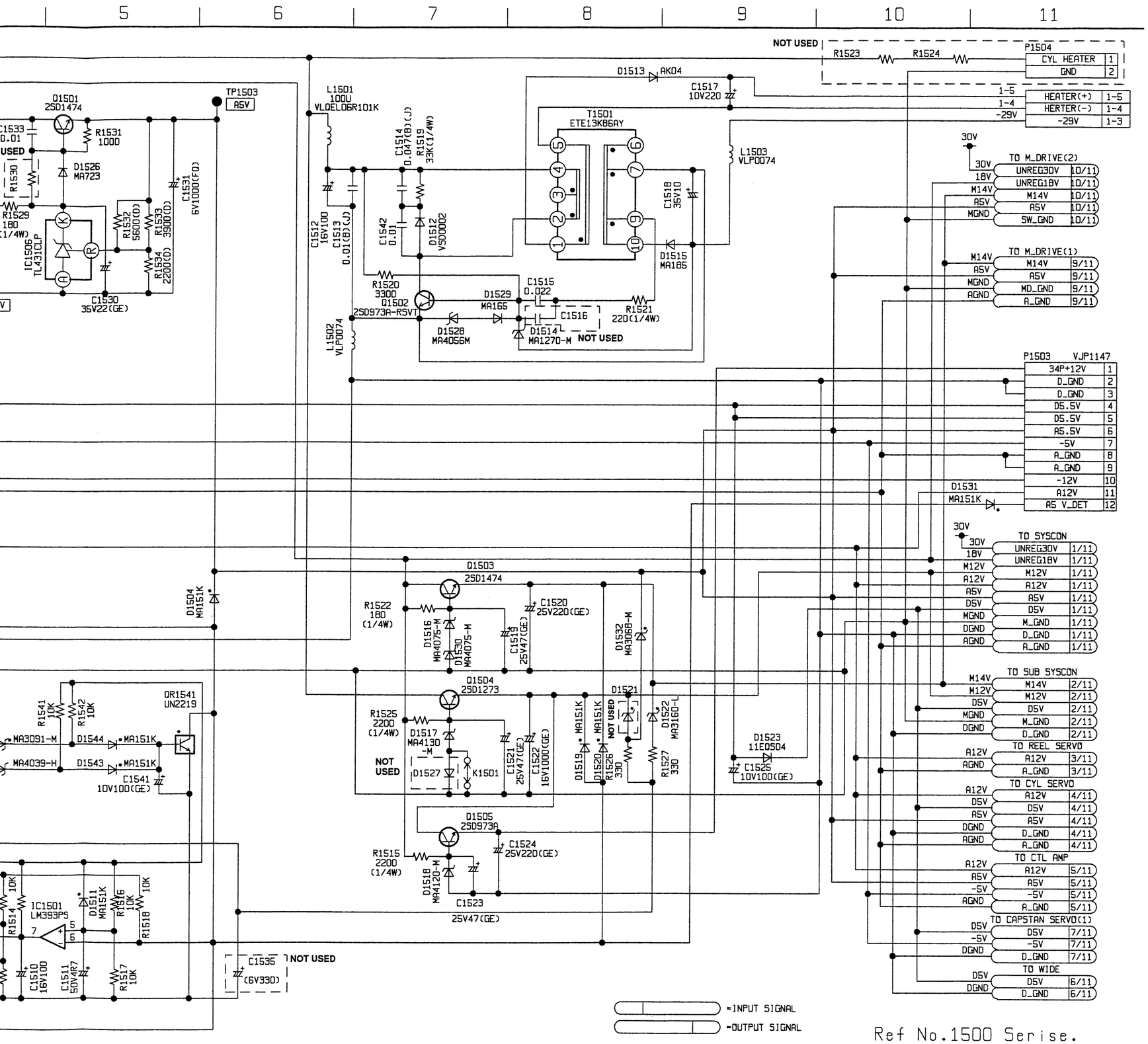
IC2701
BA6149LS



SUB POWER SCHEMATIC DIAGRAM 11/11 (E3: Page CBA-5)



(CBA-5)

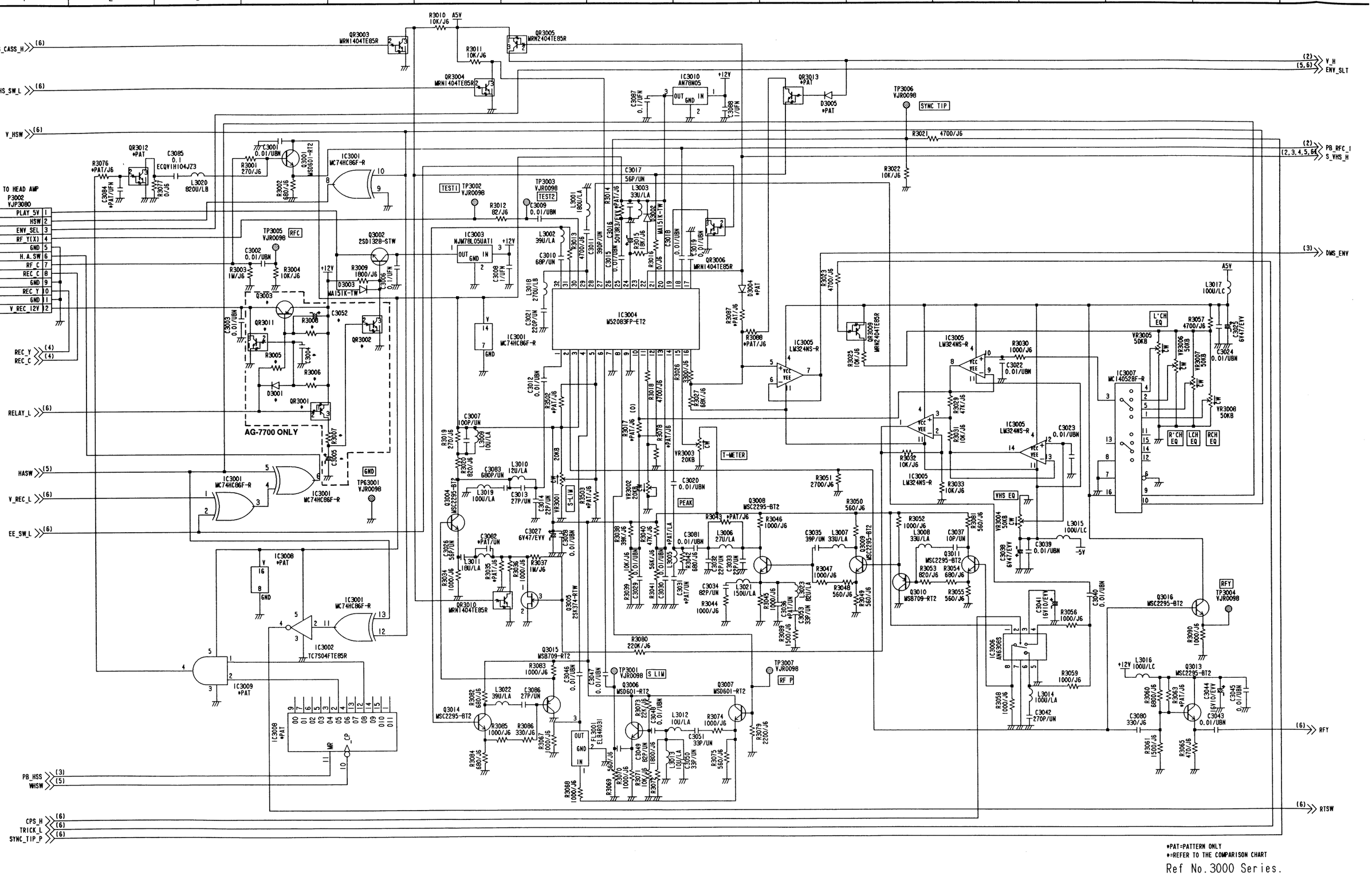


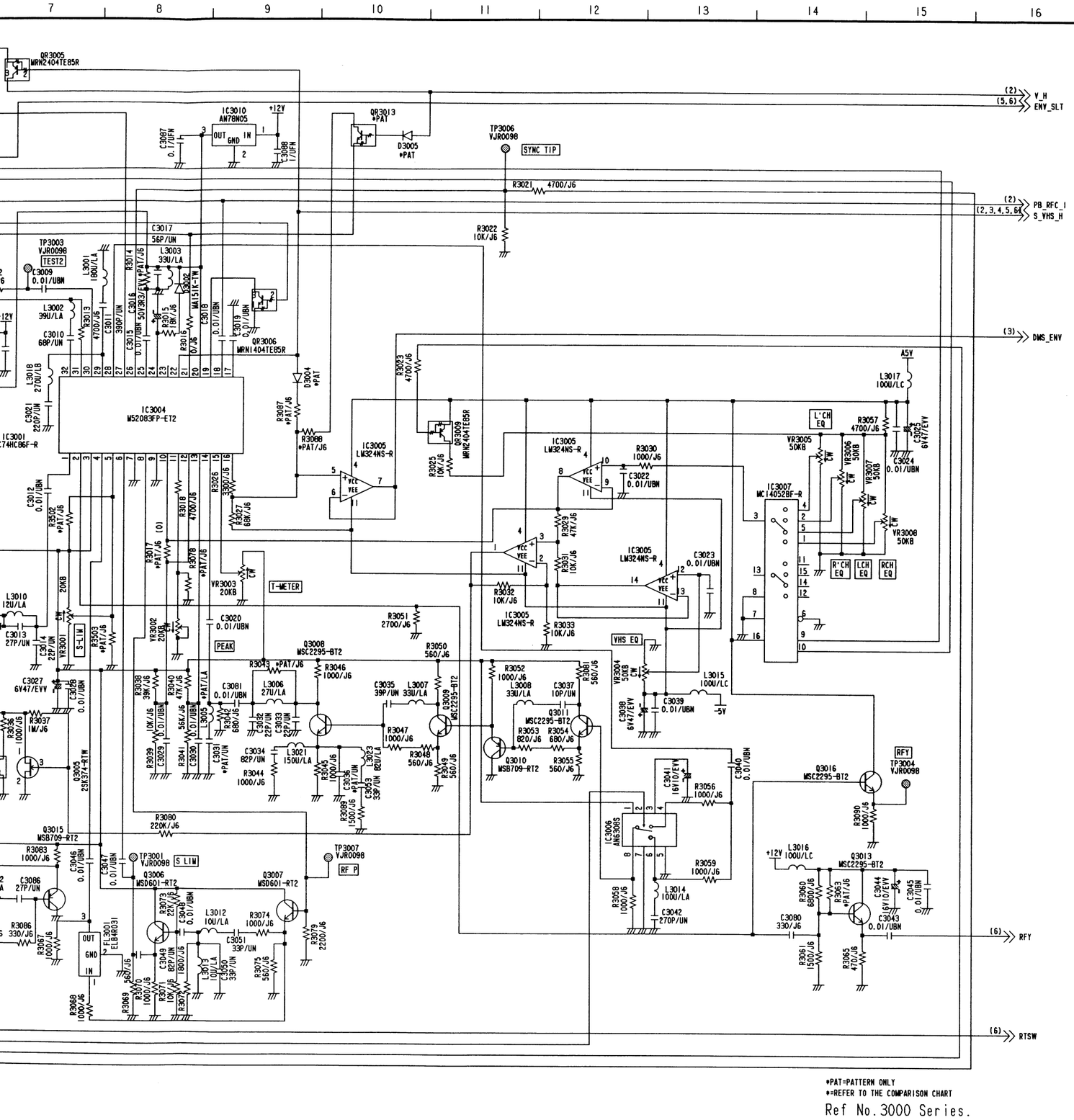
Ref No.1500 Serise.

SUB POWER DC VOLTAGE CHART

REF. NO.	IC1501									
MODE	1	2	3	4	5	6	7	8		
STOP	5.3	0.1	2.7	0	2.7	5.3	0.1	5.3		
REC	5.2	0.1	2.7	0	2.7	5.3	0.1	5.3		
F.F	5.3	0.1	2.7	0	2.7	5.3	0.1	5.3		
REF. NO.	IC1502					IC1503				
MODE	G	I	O			G	I	O		
STOP	0	−13.7	−12.2			0	−7.0	−5.0		
REC	0	−13.7	−12.2			0	−7.0	−5.0		
F.F	0	−13.7	−12.2			0	−6.9	−5.0		
REF. NO.	IC1505					IC1506				
MODE	K	A	R			K	A	R		
STOP	7.7	0	2.5			5.9	0	2.5		
REC	7.7	0	2.5			5.9	0	2.5		
F.F	7.7	0	2.5			5.9	0	2.5		
REF. NO.	Q1501			Q1502			Q1503			
MODE	E	C	B	E	C	B	E	C	B	
STOP	5.1	5.4	5.7	0	1.6	−3.0	14.8	18.3	15.4	
REC	5.1	5.4	5.7	0	1.5	−3.0	15.0	18.5	15.5	
F.F.	5.1	5.4	5.7	0	1.5	−2.8	15.0	18.1	15.4	
REF. NO.	Q1504			Q1505						
MODE	E	C	B	E	C	B				
STOP	13.0	13.6	13.5	12.0	13.0	12.3				
REC	13.0	13.4	13.5	12.0	12.9	12.3				
F.F.	13.0	13.5	13.5	12.0	12.9	12.3				
REF. NO.	QR1502			QR1503			QR1541			
MODE	E	C	B	E	C	B	E	C	B	
STOP	5.5	0	5.2	0	0	0	0	5.3	0	
REC	5.5	0	5.2	0	0	0	0	5.3	0	
F.F.	5.5	0	5.2	0	0	0	0	5.3	0	

VIDEO I/O-1 SCHEMATIC DIAGRAM 1/7 (E5: Page CBA-8)





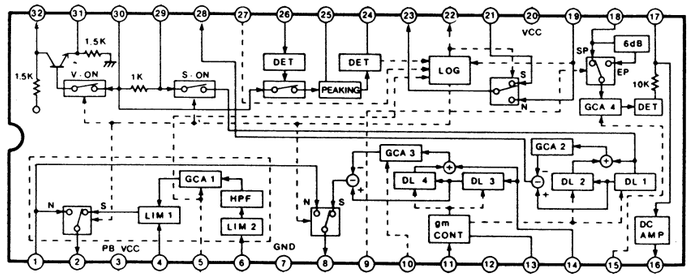
*PAT=PATTERN ONLY
*=REFER TO THE COMPARISON CHART

Ref No. 3000 Series.

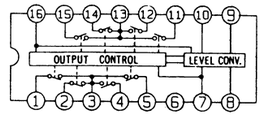
VIDEO I/O-1 DC VOLTAGE CHART

REF. NO.	IC3001																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
STOP	3.7	0	5.0	5.0	0	5.0	0	2.5	0	2.5	2.5	2.5	0	5.0						
REC	0.1	0	0	0	0	0	0	2.5	0	2.5	2.5	2.5	0	5.0						
REF. NO.	IC3002									IC3003										
MODE	1	2	3	4	5					I	G	O								
STOP	0	2.5	0	2.5	5.0					11.5	0	5.1								
REC	0	2.5	0	2.5	5.0					11.5	0	5.1								
REF. NO.	IC3004																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	3.7	2.2	5.0	3.1	2.4	2.8	0	2.2	0	1.4	2.9	1.1	2.7	3.9	2.2	0.6	3.3	3.0	2.5	5.0
REC	3.7	2.2	5.0	3.1	2.4	2.8	0	2.2	0	1.4	2.9	1.1	2.7	3.9	2.2	0.3	3.2	3.0	2.5	5.0
REF. NO.	IC3004																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32								
STOP	0	4.9	0.2	2.8	3.9	0.2	4.9	2.7	2.8	3.6	0	5.0								
REC	0.1	4.9	0.2	2.7	3.9	0.2	4.9	2.7	2.8	3.6	0	5.0								
REF. NO.	IC3005																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
STOP	−0.9	−0.4	−0.4	4.9	0.2	0.2	0.2	1.4	1.4	1.4	−5.0	−0.8	−0.8	−0.8						
REC	−0.9	−0.4	−0.4	4.9	0	0	0	1.4	1.4	1.4	−5.0	−0.8	−0.8	−0.8						
REF. NO.	IC3006																			
MODE	1	2	3	4	5	6	7	8												
STOP	5.0	4.2	2.5	2.6	0	2.6	0	2.5												
REC	5.0	4.2	2.5	2.6	0	2.6	0	2.5												
REF. NO.	IC3007																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
STOP	1.4	1.0	1.4	1.3	1.4	0	0	0	0	2.5	0.2	0.2	0.2	0.2	0.5	4.9				
REC	1.4	1.0	1.4	1.3	1.4	0	0	0	0	2.5	0	0	0	0	0	4.9				
REF. NO.	IC3010																			
MODE	I	G	O																	
STOP	11.5	0	5.0																	
REC	11.5	0	5.0																	
REF. NO.	Q3001			Q3002			Q3003			Q3004			Q3005			Q3006				
MODE	E	C	B	E	C	B	E	C	B	E	C	B	S	G	D	E	C	B		
STOP	1.6	5.0	2.3	5.1	5.1	5.6	11.5	0	11.5	0.1	5.0	0.7	0	−0.7	0	0.9	5.0	1.5		
REC	0	5.0	0	0.3	5.1	0	11.5	11.3	10.7	0.1	5.0	0.7	0	−0.7	0	0.9	5.0	1.5		
REF. NO.	Q3007			Q3008			Q3009			Q3010			Q3011			Q3013				
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B		
STOP	1.6	5.0	2.3	1.0	4.0	1.7	1.7	3.3	2.4	2.4	0	1.8	1.8	3.2	2.5	1.5	11.5	2.1		
REC	1.6	5.0	2.3	1.0	4.0	1.7	1.7	3.3	2.4	2.4	0	1.8	1.8	3.2	2.5	1.4	11.5	2.1		
REF. NO.	Q3014			Q3015																
MODE	E	C	B	E	C	B														
STOP	0	5.0	0	0.7	0	0														
REC	0	5.0	0	0.7	0	0														
REF. NO.	QR3001			QR3002			QR3003			QR3004			QR3005			QR3006				
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B		
STOP	11.5	0	11.5	0	5.8	0	0	0.1	3.0	0	4.9	0	4.9	0	4.9	0	2.5	0		
REC	11.5	11.5	0	0	0	7.7	0	0.1	3.0	0	4.9	0	4.9	0	4.9	0	2.5	0		
REF. NO.	QR3009			QR3010			QR3011													
MODE	E	C	B	E	C	B	E	C	B											
STOP	4.9	4.9	3.5	0	0	0.1	0	0	7.8											
REC	4.9	4.9	3.5	0	0	0.1	0	11.3	0.5											

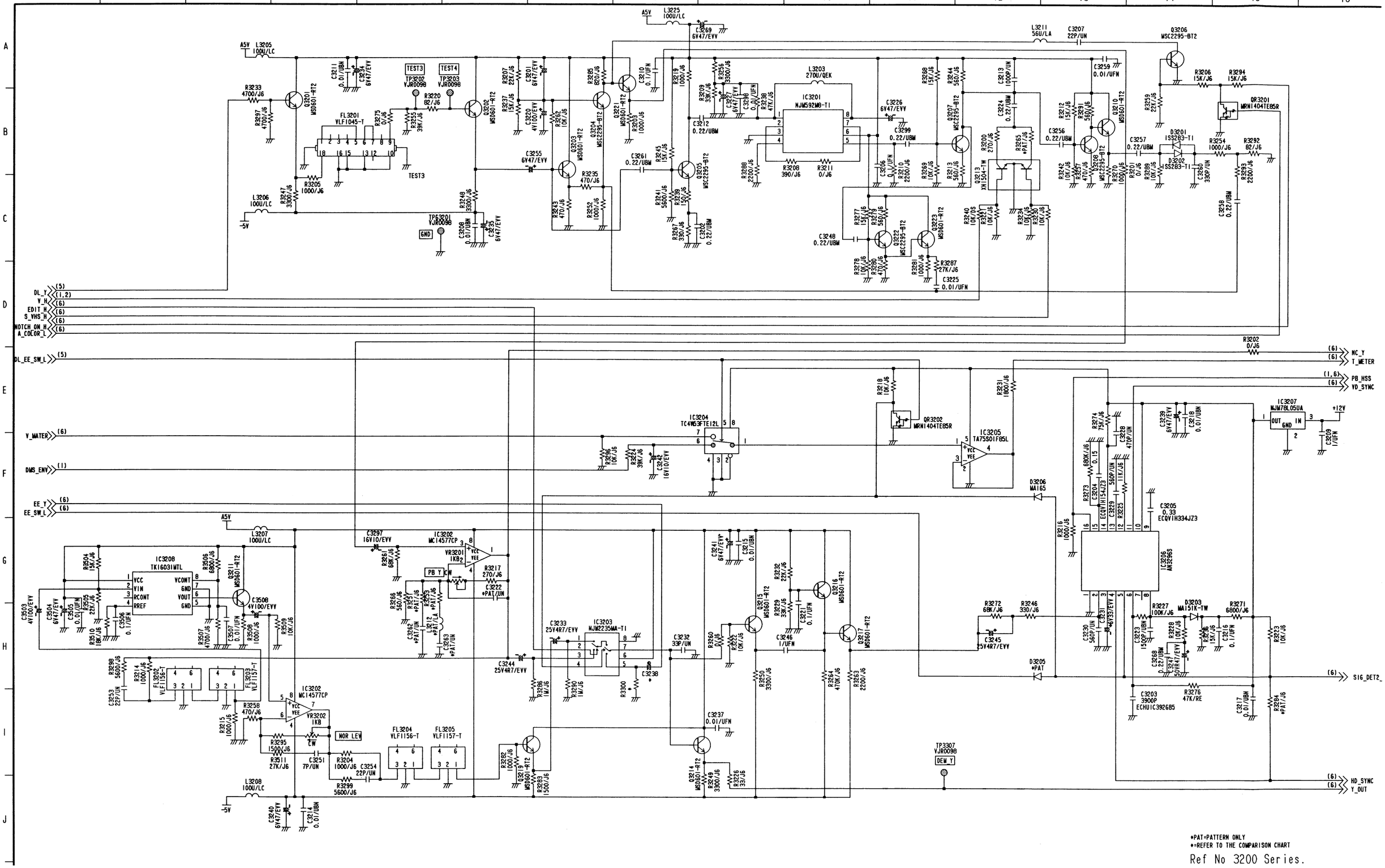
IC3004
M52083FP

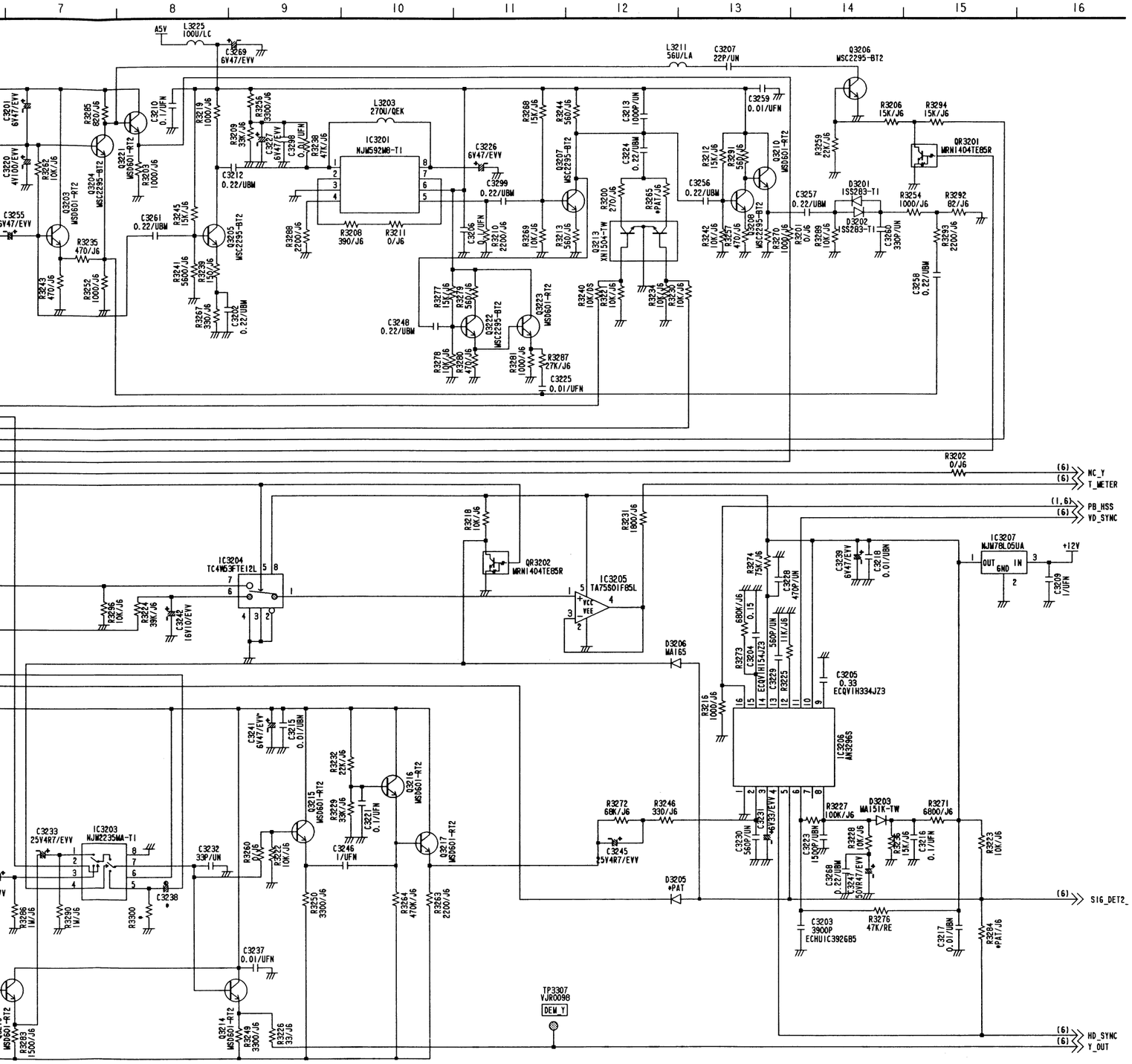


IC3007
MC14052BF



VIDEO I/O-3 SCHEMATIC DIAGRAM 3/7 (E5: Page CBA-8)





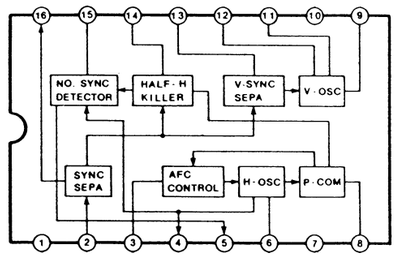
*PAT=PATTERN ONLY
*=REFER TO THE COMPARISON CHART

Ref No 3200 Series.

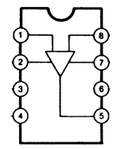
VIDEO I/O-3 DC VOLTAGE CHART

REF. NO.	IC3201									
MODE	1	2	3	4	5	6	7	8		
STOP	3.4	2.7	0	3.3	3.3	4.7	2.7	3.4		
REC	3.4	2.7	0	3.3	3.3	4.7	2.7	3.4		
REF. NO.	IC3202									
MODE	1	2	3	4	5	6	7	8		
STOP	0	0	0	−4.8	0	0	0.1	4.7		
REC	0	0	0	−4.8	0	0	0.1	4.7		
REF. NO.	IC3203									
MODE	1	2	3	4	5	6	7	8		
STOP	1.9	4.9	1.9	3.5	2.3	4.7	1.5	0		
REC	1.9	4.9	1.9	3.5	2.3	4.7	1.5	0		
REF. NO.	IC3205									
MODE	1	2	3	4	5					
STOP	0.9	0	0	0	5.0					
REC	0.9	0	0	0	5.0					
REF. NO.	IC3206									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0	3.3	4.1	3.4	0.2	2.9	0	3.0	2.2	5.0
REC	0	3.3	4.1	3.5	0.2	2.9	0	3.0	2.2	5.0
REF. NO.	IC3206									
MODE	11	12	13	14	15	16				
STOP	4.8	0.7	0.1	1.2	3.8	3.5				
REC	4.8	0.7	0.1	1.2	3.8	3.6				
REF. NO.	Q3201			Q3202			Q3203			
MODE	E	C	B	E	C	B	E	C	B	
STOP	1.3	4.8	1.9	0.7	4.9	1.3	1.0	4.9	1.7	
REC	1.3	4.8	1.9	0.7	4.9	1.3	1.0	4.9	1.7	
REF. NO.	Q3204			Q3205			Q3206			
MODE	E	C	B	E	C	B	E	C	B	
STOP	1.0	4.0	1.8	0.5	3.6	1.3	0	0	0	
REC	1.0	4.0	1.8	0.5	3.6	1.3	0	0	0	
REF. NO.	Q3207			Q3208			Q3210			
MODE	E	C	B	E	C	B	E	C	B	
STOP	1.0	3.7	1.8	1.0	3.5	1.7	2.9	4.7	3.5	
REC	1.0	3.7	1.8	1.0	3.5	1.7	2.9	4.7	3.5	
REF. NO.	Q3213						Q3214			
MODE	1	2	3	4	5		E	C	B	
STOP	0	0	0.7	0	0.7		0.9	4.7	1.5	
REC	0	0	0.7	0	0.7		0.9	4.7	1.5	
REF. NO.	Q3216			Q3217			Q3219			
MODE	E	C	B	E	C	B	E	C	B	
STOP	2.7	4.7	2.8	2.1	4.7	2.7	−0.6	4.7	0	
REC	2.7	4.7	2.8	2.1	4.7	2.7	−0.6	4.7	0	
REF. NO.	Q3221			Q3222			Q3223			
MODE	E	C	B	E	C	B	E	C	B	
STOP	3.3	4.8	4.0	1.0	3.5	1.7	0.4	4.7	1.0	
REC	3.3	4.8	4.0	1.0	3.5	1.7	0.4	4.7	1.0	
REF. NO.	QR3201			QR3202						
MODE	E	C	B	E	C	B				
STOP	0	0	0.1	0	3.5	0.1				
REC	0	0	0.1	0	3.5	0.1				

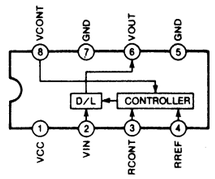
IC3206
AN3296S



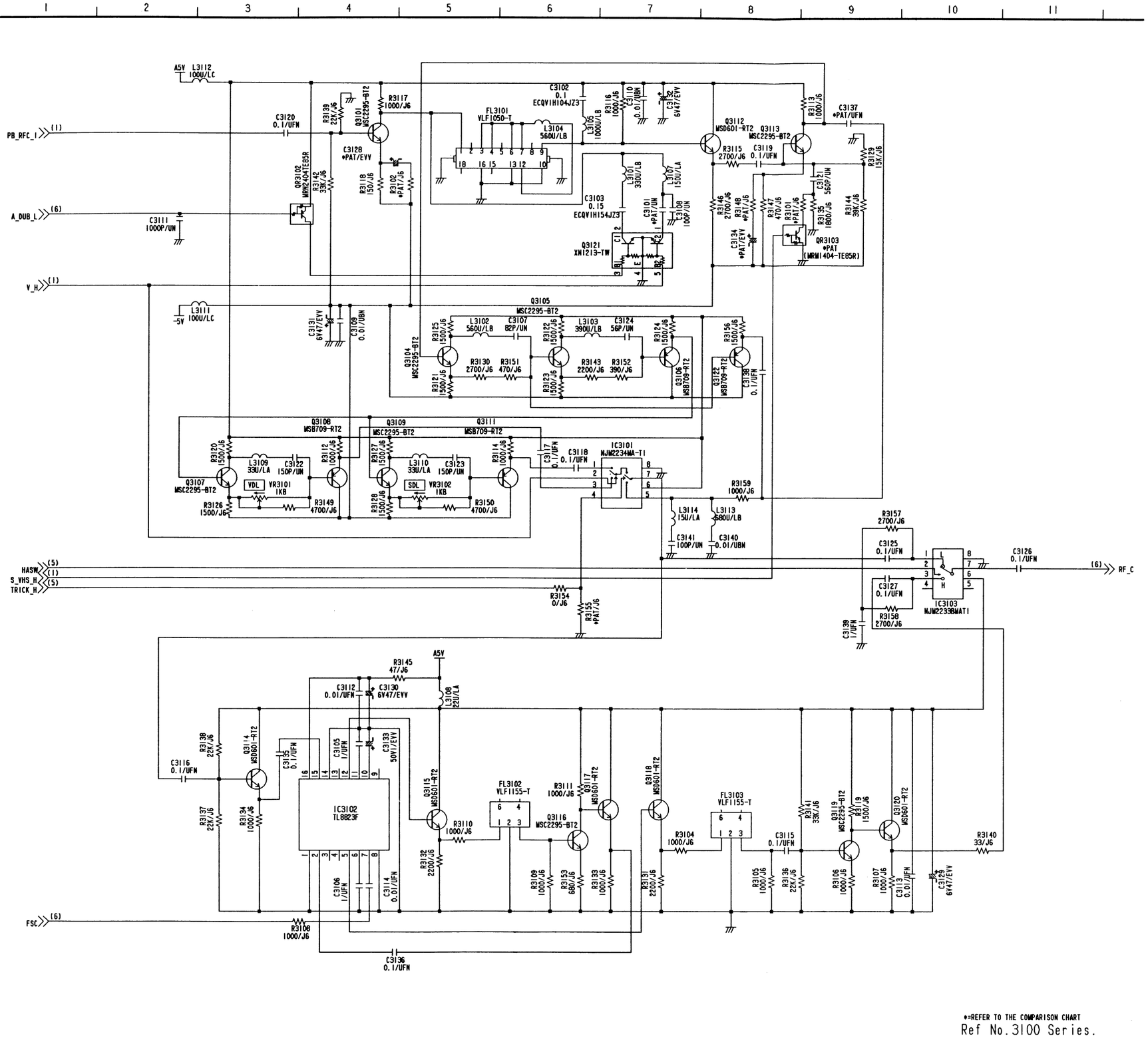
IC3201
NJM592MB



IC3208
TK16031MTL



VIDEO I/O-2 SCHEMATIC DIAGRAM 2/7 (E5: Page CBA-8)

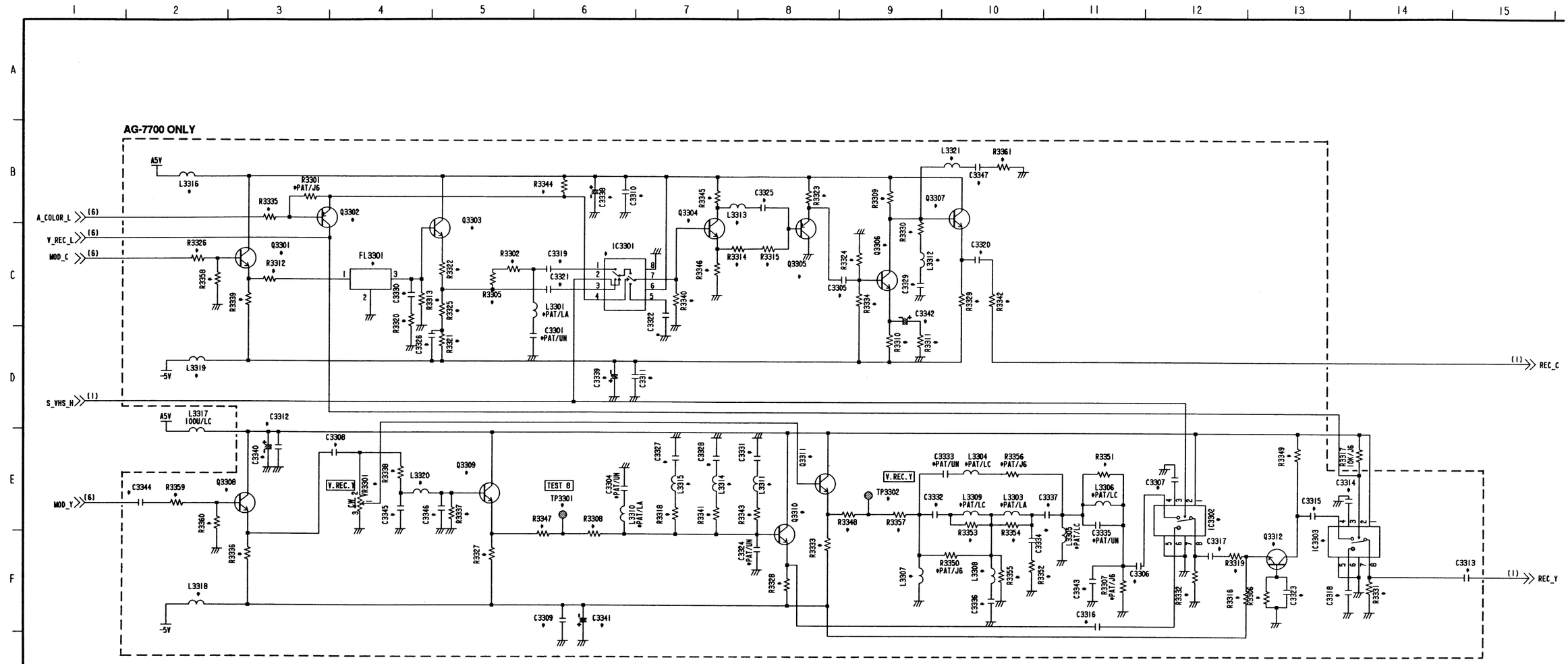


*=REFER TO THE COMPARISON CHART
Ref No.3100 Series.

VIDEO I/O-2 DC VOLTAGE CHART

REF. NO.	IC3101									
MODE	1	2	3	4	5	6	7	8		
STOP	2.8	0	2.8	0	2.8	4.7	2.1	0		
REC	2.8	0	2.8	0	2.8	4.7	2.1	0		
REF. NO.	IC3102									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0	2.1	0	0	2.7	1.3	2.2	0	0	9.4
REC	0	2.1	0	0	2.7	1.3	2.2	0	0	9.4
REF. NO.	IC3102									
MODE	11	12	13	14	15	16				
STOP	1.3	2.8	0	0	2.1	4.5				
REC	1.3	2.8	0	0	2.1	4.5				
REF. NO.	IC3103									
MODE	1	2	3	4	5	6	7	8		
STOP	2.9	0	2.9	0	0	4.9	2.2	0		
REC	2.9	0	2.9	0	0	4.9	2.2	0		
REF. NO.	Q3101			Q3104			Q3105			
MODE	E	C	B	E	C	B	E	C	B	
STOP	−3.7	0.9	−2.8	−0.8	0.8	−0.1	−1.6	1.5	−0.9	
REC	−3.7	1.0	−2.9	−0.8	0.8	−0.1	−1.6	1.5	−0.9	
REF. NO.	Q3106			Q3107			Q3108			
MODE	E	C	B	E	C	B	E	C	B	
STOP	−0.9	−4.8	−1.6	−1.7	1.6	−0.9	−1.0	−4.8	−1.7	
REC	−0.9	−4.8	−1.6	−1.7	1.6	−0.9	−1.0	−4.8	−1.7	
REF. NO.	Q3109			Q3111			Q3112			
MODE	E	C	B	E	C	B	E	C	B	
STOP	−1.7	1.6	−0.9	−1.0	−4.8	−1.7	0.3	4.7	0.9	
REC	−1.7	1.6	−0.9	−1.0	−4.8	−1.6	0.3	4.7	0.9	
REF. NO.	Q3113			Q3114			Q3115			
MODE	E	C	B	E	C	B	E	C	B	
STOP	−2.6	−0.1	−1.8	1.8	4.9	2.4	2.2	4.9	2.8	
REC	−2.6	−0.1	−1.8	1.8	4.9	2.4	2.2	4.9	2.8	
REF. NO.	Q3116			Q3117			Q3118			
MODE	E	C	B	E	C	B	E	C	B	
STOP	0.4	4.3	1.1	3.7	4.9	4.3	2.2	4.9	2.8	
REC	0.4	4.3	1.1	3.7	4.9	4.3	2.2	4.9	2.8	
REF. NO.	Q3119			Q3120						
MODE	E	C	B	E	C	B				
STOP	1.1	3.2	1.8	2.6	4.9	3.2				
REC	1.1	3.2	1.8	2.6	4.9	3.2				
REF. NO.	Q3121						Q3122			
MODE	1	2	3	4	5		E	C	B	
STOP	0	0	0	0	0		−0.2	−4.8	−0.9	
REC	0	0	0	0	0		−0.2	−4.8	−0.9	
REF. NO.	QR3102									
MODE	E	C	B							
STOP	4.7	0	4.7							
REC	4.7	0	4.7							

VIDEO I/O-4 SCHEMATIC DIAGRAM 4/7 (E5: Page CBA-8)

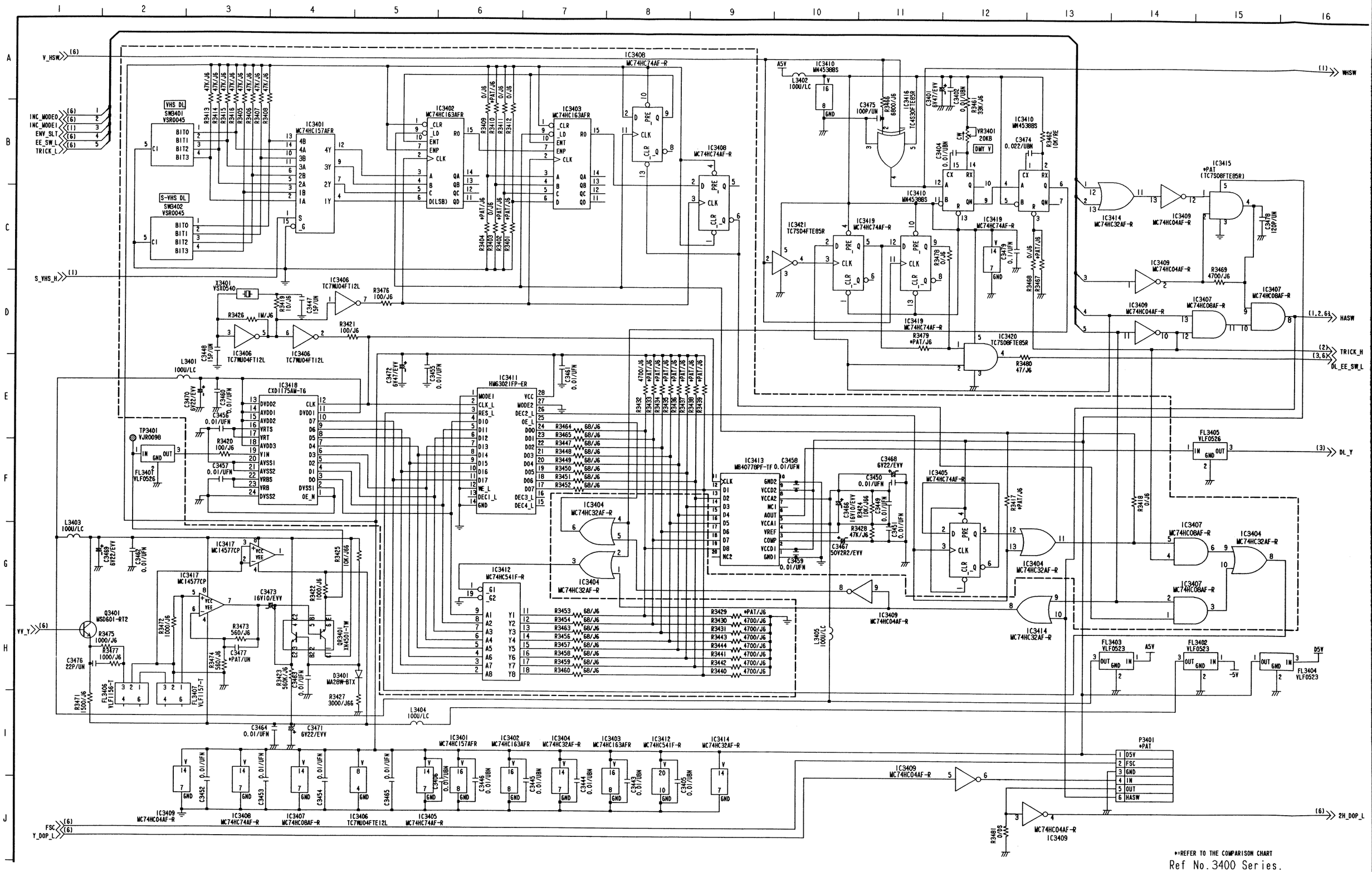


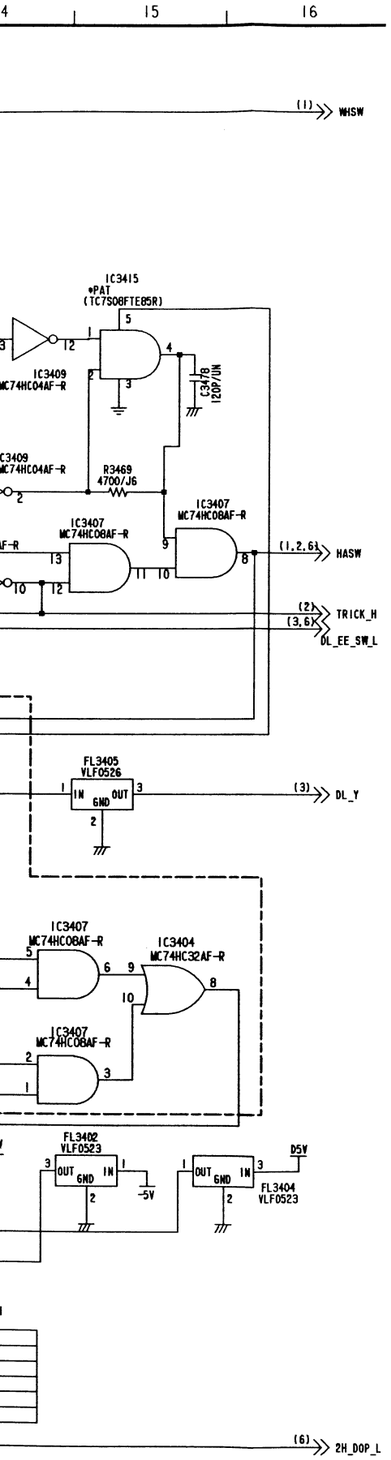
*=REFER TO THE COMPARISON CHART
Ref No.3300 Series.

VIDEO I/O-4 DC VOLTAGE CHART

REF. NO.	IC3301										IC3302									
MODE	1	2	3	4	5	6	7	8			1	2	3	4	5	6	7	8		
STOP	2.9	4.9	2.9	3.7	2.9	4.8	2.2	0			4.9	4.9	2.4	2.5	0	2.5	0	2.5		
REC	2.9	4.9	2.9	0.7	2.9	4.8	2.2	0			4.9	4.9	2.4	2.5	0	2.5	0	2.5		
REF. NO.	IC3303																			
MODE	1	2	3	4	5	6	7	8												
STOP	4.9	3.7	2.4	2.5	0	2.5	0	2.5												
REC	4.9	0.1	2.4	2.5	0	2.5	0	2.5												
REF. NO.	Q3301			Q3302			Q3303			Q3304			Q3305			Q3306				
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B		
STOP	−0.7	4.8	−0.1	3.7	3.7	3.1	−1.0	4.8	−0.4	1.4	3.4	2.2	2.1	0	1.4	−2.7	2.6	−2.1		
REC	−0.7	4.8	−0.1	0.7	0.1	0.1	−1.0	4.8	−0.4	1.4	3.4	2.2	2.1	0	1.4	−2.7	2.6	−2.1		
REF. NO.	Q3307			Q3308			Q3309			Q3310			Q3311			Q3312				
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B		
STOP	2.0	4.8	2.6	−0.5	4.9	−0.1	−0.6	4.9	0	−1.2	4.9	−0.6	−0.5	4.9	0	−0.8	1.5	0		
REC	2.0	4.8	2.6	−0.5	4.9	−0.1	−0.6	4.8	0	−1.2	4.9	−0.6	−0.5	4.9	0	−0.8	1.5	0		

VIDEO I/O-5 SCHEMATIC DIAGRAM 5/7 (E5: Page CBA-8)





*=REFER TO THE COMPARISON CHART

Ref No.3400 Series.

VIDEO I/O-5 DC VOLTAGE CHART

REF. NO.	IC3401															
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
STOP	4.9	0	0	0	0	0	0	0	5.1	5.1	5.1	5.1	5.1	5.1	0	5.1
REC	4.9	0	0	0	0	0	0	0	5.1	5.1	5.1	5.1	5.1	5.1	0	5.1

REF. NO.	IC3402															
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
STOP	5.1	2.6	5.1	5.1	0	0	5.1	0	5.1	0.1	0	0	0	5.1	0	5.1
REC	5.1	2.6	5.1	5.1	0	0	5.1	0	5.1	0	0	0	0	5.1	0	5.1

REF. NO.	IC3403															
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
STOP	5.1	2.6	5.1	0	5.1	5.1	0	0	5.1	0.1	5.1	5.1	5.1	5.1	0	5.1
REC	5.1	2.6	5.1	0	5.1	5.1	0	0	5.1	0.1	5.1	5.1	5.1	5.1	0	5.1

REF. NO.	IC3404													
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14
STOP	5.1	0	5.1	0	0	0	0	5.1	0	5.1	5.1	2.6	3.9	5.1
REC	5.1	0	5.1	0	0	0	0	5.1	0	5.1	5.1	2.4	3.9	5.1

REF. NO.	IC3405													
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14
STOP	5.1	2.5	3.9	5.1	2.6	2.5	0	5.1	5.1	0	0	0	0	5.1
REC	5.1	2.7	3.9	5.1	2.5	2.7	0	5.1	5.1	0	0	0	0	5.1

REF. NO.	IC3406							
MODE	1	2	3	4	5	6	7	8
STOP	2.6	2.6	2.4	0	2.6	2.5	2.5	5.1
REC	2.6	2.6	2.4	0	2.6	2.6	2.6	5.1

REF. NO.	IC3407													
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14
STOP	5.1	3.4	5.1	0	5.1	0	0	0	2.6	0	0	0	0	5.1
REC	5.1	3.4	5.1	0	5.1	0	0	0	5.1	0	0	0	0	5.1

REF. NO.	IC3408													
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14
STOP	5.1	0	2.6	5.1	0	5.1	0	5.1	0.1	5.1	5.1	5.1	5.1	5.1
REC	5.1	0	2.6	5.1	0	5.1	0	5.1	0.1	5.1	5.1	5.1	5.1	5.1

REF. NO.	IC3409													
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14
STOP	2.4	2.6	0	5.2	0	5.2	0	0	5.2	0	3.4	5.2	0	5.2
REC	0.1	5.1	0	5.1	0	5.1	0	0	5.1	0	3.4	5.1	0	5.1

REF. NO.	IC3410															
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
STOP	0	4.9	0	4.8	4.9	0	4.9	0	4.8	0.1	4.9	0	4.9	4.9	0	4.9
REC	0	4.9	0	4.8	4.9	0	4.9	0	4.8	0.1	4.9	0	4.9	4.9	0	4.9

REF. NO.	IC3411																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	0	2.6	5.1	0.1	0	0	0	4.8	0	0	0	0	3.9	0	4.0	4.0	0	0	0	3.6
REC	0	2.6	5.1	0.3	0	0	0	4.8	0	0	0	0	3.9	0	4.0	4.0	0	0	0	3.6

REF. NO.	IC3411							
MODE	21	22	23	24	25	26	27	28
STOP	0	0	0	0.3	0	3.9	0	5.1
REC	0	0	0	0.8	0	3.9	0	5.1

REF. NO.	IC3412																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	5.1	0	0	0	4.8	0	0	0	0	0	0.3	0	0	0	3.6	0	0	0	0	5.1
REC	5.1	0	0	0	4.8	0	0	0	0.1	0	0.3	0	0	0	3.6	0	0	0	0	5.1

REF. NO.	IC3413																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	0	5.1	2.3	4.0	4.9	4.0	0	4.9	5.1	0	2.6	0	0	0	3.6	0	0	0	0.4	0
REC	0	5.1	2.3	4.0	4.9	4.0	0	4.9	5.1	0	2.6	0	0	0	3.6	0	0	0	0	0

REF. NO.	IC3414													
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14
STOP	0	0	0	0	0	0	0	5.2	3.4	0	0	0	0	5.2
REC	0	0	0	0	0	0	0	5.1	3.4	0	0	0	0	5.1

REF. NO.	IC3416										IC3417									
MODE	1	2	3	4	5						1	2	3	4	5	6	7	8		
STOP	2.5	2.5	0	0	4.9						3.1	0	0	−4.8	0	0.1	0.3	4.8		
REC	2.5	2.5	0	0	4.9						3.1	0	0	−4.8	0	0.1	0.3	4.8		

REF. NO.	IC3418																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	0	0	0.4	0.3	0.4	0.4	3.9	0	0	0	4.8	2.6	4.8	4.9	4.9	2.6	2.6	4.9	0.8	0
REC	0	0	0	0	0	0	4.8	0	0	0	4.8	2.6	4.8	4.8	4.8	2.6	2.6	4.8	0.8	0

REF. NO.	IC3418																			
MODE	21	22	23	24																
STOP	0	0.6	0.6	0																
REC	0	0.6	0.6	0																

REF. NO.	IC3419									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	4.9	0	2.5	4.9	0	4.9	0	4.9	0	4.9
REC	4.9	0	2.5	4.9	0	4.9	0	4.9	0	4.9

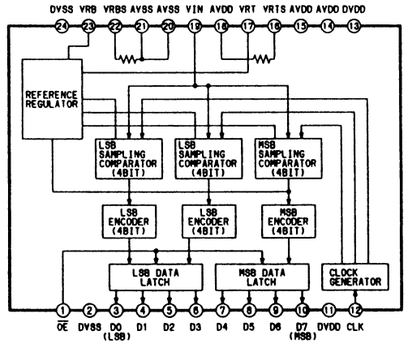
REF. NO.	IC3419									
MODE	11	12	13	14						
STOP	2.5	0	4.9	4.9						
REC	2.5	0	4.9	4.9						

REF. NO.	IC3420					IC3421				
MODE	1	2	3	4	5	1	2	3	4	5
STOP	0	0	0	0	4.9	0	2.5	0	2.5	4.9
REC	0	0	0	0	4.9	0	2.5	0	2.5	4.9

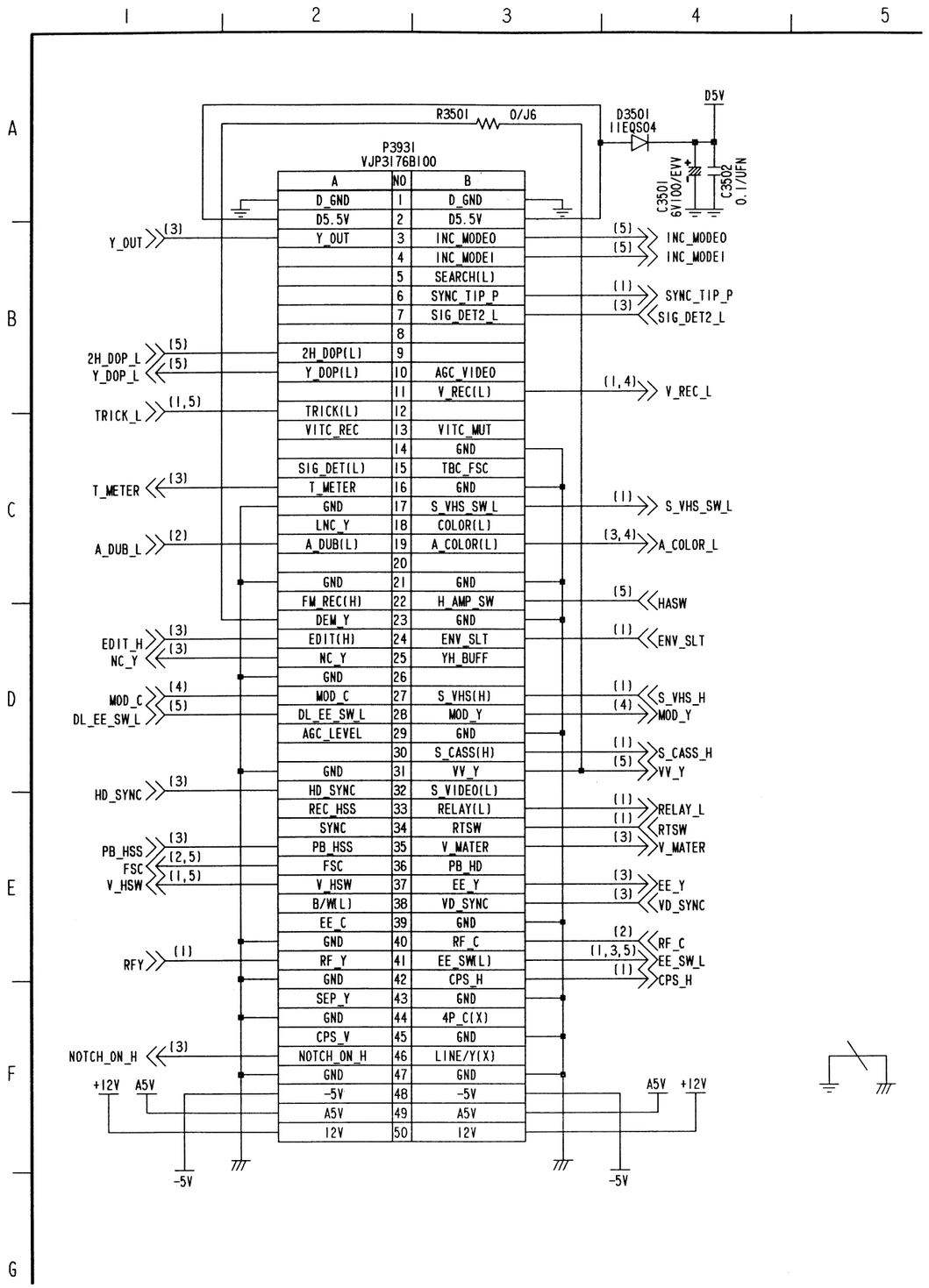
REF. NO.	Q3401		
MODE	E	C	B
STOP	0.3	4.8	0.9
REC	0.3	4.8	0.9

REF. NO.	QR3401					
MODE	1	2	3	4	5	6
STOP	4.8	1.9	1.4	4.8	1.4	0.8
REC	4.8	1.9	1.4	4.8	1.4	0.8

IC3418
CXD1175AM



VIDEO I/O-6 SCHEMATIC DIAGRAM 6/7 (E5: Page CBA-8)



VIDEO I/O COMPARISON CHART 7/7 (E5: Page CBA-8)

REF	AG-7700	AG-7600
C3334	10P/UN	*PAT/UN
C3335	*PAT/UFN	*PAT/UFN
C3336	180P/UN	*PAT/UN
C3337	0.01/UFN	*PAT/UFN
C3338	6V47/EVV	*PAT/EVV
C3339	6V47/EVV	*PAT/EVV
C3340	6V47/EVV	*PAT/EVV
C3341	6V47/EVV	*PAT/EVV
C3342	50V3R3/EVV	*PAT/EVV
C3343	18P/UN	*PAT/UN
C3344	0.01/UBN	*PAT/UBN
C3345	33P/UN	*PAT/UN
C3346	33P/UN	*PAT/UN
C3347	68P/UN	*PAT/UN
C3477	*PAT/UN	*PAT/UN
D3001	MA151K-TW	*PAT
D3004	*PAT	*PAT
D3005	*PAT	*PAT
D3205	*PAT	*PAT
FL3301	ELB4H068	*PAT
IC3008	*PAT	*PAT
IC3009	*PAT	*PAT
IC3301	NJM2234MA-T1	*PAT
IC3302	AN6308S	*PAT
IC3303	AN6308S	*PAT
IC3415	*PAT	*PAT
L3005	*PAT/LA	*PAT/LA
L3212	*PAT/LA	*PAT/LA
L3301	*PAT/LA	*PAT/LA
L3303	*PAT/LA	*PAT/LA
L3304	*PAT/LC	*PAT/LC
L3305	*PAT/LC	*PAT/LC
L3306	*PAT/LC	*PAT/LC
L3307	82U/LA	*PAT/LA
L3308	150U/LA	*PAT/LA
L3309	*PAT/LC	*PAT/LC
L3310	*PAT/LA	*PAT/LA
L3311	100U/LA	*PAT/LA
L3312	220U/LA	*PAT/LA
L3313	220U/LA	*PAT/LA
L3314	4R7U/LA	*PAT/LA
L3315	6R8U/LA	*PAT/LA
L3316	100U/LC	*PAT/LC
L3318	100U/LC	*PAT/LC
L3319	100U/LC	*PAT/LC
L3320	6R8U/LA	*PAT/LA

REF	AG-7700	AG-7600
L3321	150U/LA	*PAT/LA
Q3003	2SB643-QRS	*PAT
Q3301	MSD601-RT2	*PAT
Q3302	MSB709-RT2	*PAT
Q3303	MSD601-RT2	*PAT
Q3304	MSC2295-BT2	*PAT
Q3305	MSB709-RT2	*PAT
Q3306	MSD601-RT2	*PAT
Q3307	MSD601-RT2	*PAT
Q3308	MSD601-RT2	*PAT
Q3309	MSD601-RT2	*PAT
Q3310	MSD601-RT2	*PAT
Q3311	MSD601-RT2	*PAT
Q3312	MSC2295-BT2	*PAT
QR3001	MRN2404TE85R	*PAT
QR3002	DTC363EK-T97	*PAT
QR3011	MRN1404TE85R	*PAT
QR3012	*PAT	*PAT
QR3013	*PAT	*PAT
QR3103	*PAT	*PAT
P3401	*PAT	*PAT
R3005	3300/J6	*PAT/J6
R3006	22K/J6	*PAT/J6
R3007	3300/J6	*PAT/J6
R3008	3300/J6	*PAT/J6
R3014	*PAT/J6	*PAT/J6
R3017	*PAT/J6	*PAT/J6
R3035	*PAT/J6	*PAT/J6
R3043	*PAT/J6	*PAT/J6
R3063	*PAT/J6	*PAT/J6
R3076	*PAT/J6	*PAT/J6
R3078	*PAT/J6	*PAT/J6
R3087	*PAT/J6	*PAT/J6
R3088	*PAT/J6	*PAT/J6
R3101	*PAT/J6	*PAT/J6
R3102	*PAT/J6	*PAT/J6
R3148	*PAT/J6	*PAT/J6
R3155	*PAT/J6	*PAT/J6
R3251	*PAT/J6	*PAT/J6

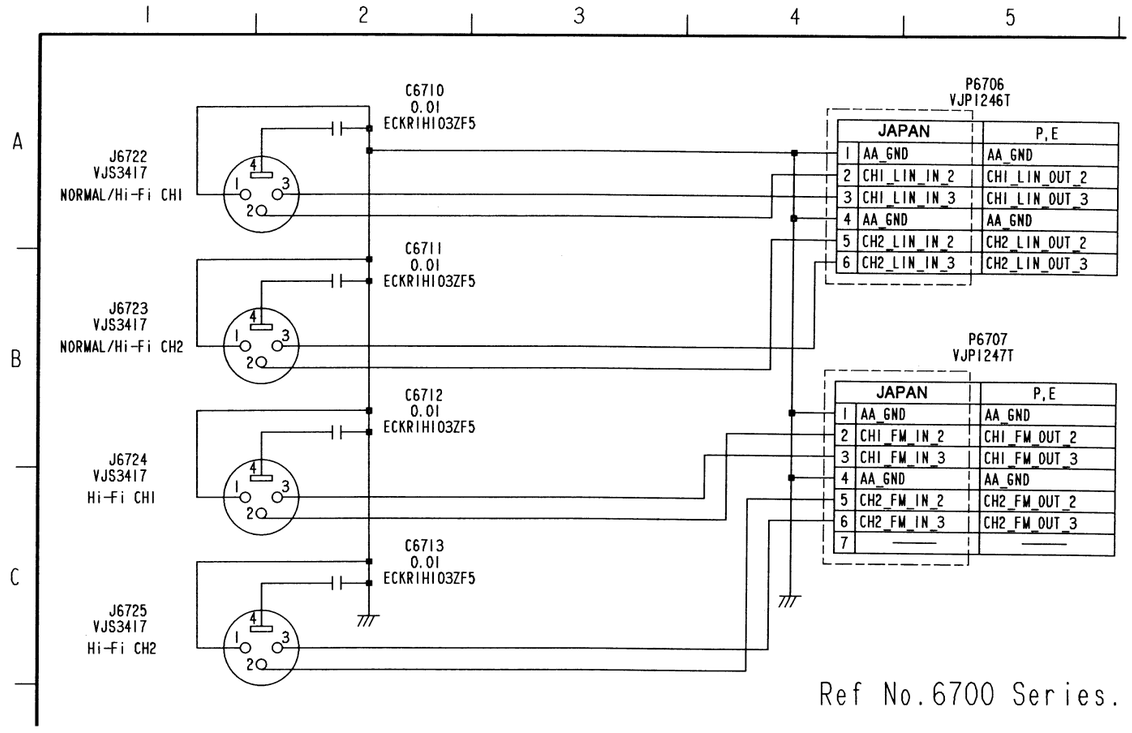
REF	AG-7700	AG-7600
R3253	*PAT/J6	*PAT/J6
R3265	*PAT/J6	*PAT/J6
R3284	*PAT/J6	*PAT/J6
R3300	1M/J6	1/UFN
R3301	*PAT/J6	*PAT/J6
R3302	0/J6	*PAT/J6
R3305	0/J6	*PAT/J6
R3306	100/J6	*PAT/J6
R3307	*PAT/J6	*PAT/J6
R3308	1200/J6	*PAT/J6
R3309	1000/J6	*PAT/J6
R3310	1000/J6	*PAT/J6
R3311	390/J6	*PAT/J6
R3312	1000/J6	*PAT/J6
R3313	1000/J6	*PAT/J6
R3314	1000/J6	*PAT/J6
R3315	1000/J6	*PAT/J6
R3316	1000/J6	*PAT/J6
R3318	100/J6	*PAT/J6
R3319	220/J6	*PAT/J6
R3320	620/J6	*PAT/J6
R3321	1500/J6	*PAT/J6
R3322	0/J6	*PAT/J6
R3323	1500/J6	*PAT/J6
R3324	15K/J6	*PAT/J6
R3325	220/J6	*PAT/J6
R3326	220/J6	*PAT/J6
R3327	2200/J6	*PAT/J6
R3328	2200/J6	*PAT/J6
R3329	2200/J6	*PAT/J6
R3330	2200/J6	*PAT/J6
R3331	2200/J6	*PAT/J6
R3332	2200/J6	*PAT/J6
R3333	2200/J6	*PAT/J6
R3334	22K/J6	*PAT/J6
R3335	22K/J6	*PAT/J6
R3336	1500/J6	*PAT/J6
R3337	330/J6	*PAT/J6
R3338	330/J6	*PAT/J6
R3339	1500/J6	*PAT/J6
R3340	3300/J6	*PAT/J6
R3341	510/J6	*PAT/J6
R3342	47/J6	*PAT/J6
R3343	330/J6	*PAT/J6
R3344	4700/J6	*PAT/J6
R3345	680/J6	*PAT/J6

F$	AG-7700	AG-7600
53	*PAT/J6	*PAT/J6
65	*PAT/J6	*PAT/J6
84	*PAT/J6	*PAT/J6
00	1M/J6	1/UFN
01	*PAT/J6	*PAT/J6
02	0/J6	*PAT/J6
05	0/J6	*PAT/J6
06	100/J6	*PAT/J6
07	*PAT/J6	*PAT/J6
08	1200/J6	*PAT/J6
09	1000/J6	*PAT/J6
10	1000/J6	*PAT/J6
11	390/J6	*PAT/J6
12	1000/J6	*PAT/J6
13	1000/J6	*PAT/J6
14	1000/J6	*PAT/J6
15	1000/J6	*PAT/J6
16	1000/J6	*PAT/J6
18	100/J6	*PAT/J6
19	220/J6	*PAT/J6
20	620/J6	*PAT/J6
21	1500/J6	*PAT/J6
22	0/J6	*PAT/J6
23	1500/J6	*PAT/J6
24	15K/J6	*PAT/J6
25	220/J6	*PAT/J6
26	220/J6	*PAT/J6
27	2200/J6	*PAT/J6
28	2200/J6	*PAT/J6
29	2200/J6	*PAT/J6
30	2200/J6	*PAT/J6
31	2200/J6	*PAT/J6
32	2200/J6	*PAT/J6
33	2200/J6	*PAT/J6
34	22K/J6	*PAT/J6
35	22K/J6	*PAT/J6
36	1500/J6	*PAT/J6
37	330/J6	*PAT/J6
38	330/J6	*PAT/J6
39	1500/J6	*PAT/J6
40	3300/J6	*PAT/J6
41	510/J6	*PAT/J6
42	47/J6	*PAT/J6
43	330/J6	*PAT/J6
44	4700/J6	*PAT/J6
45	680/J6	*PAT/J6

REF	AG-7700	AG-7600
R3346	680/J6	*PAT/J6
R3347	82/J6	*PAT/J6
R3348	82/J6	*PAT/J6
R3349	820/J6	*PAT/J6
R3350	*PAT/J6	*PAT/J6
R3351	0/J6	*PAT/J6
R3352	680/J6	*PAT/J6
R3353	0/J6	*PAT/J6
R3354	2200/J6	*PAT/J6
R3355	1000/J6	*PAT/J6
R3356	*PAT/J6	*PAT/J6
R3357	560/J6	*PAT/J6
R3358	10K/J6	*PAT/J6
R3359	220/J6	*PAT/J6
R3360	10K/J6	*PAT/J6
R3361	1800/J6	*PAT/J6
R3401	*PAT/J6	*PAT/J6
R3402	*PAT/J6	*PAT/J6
R3404	*PAT/J6	*PAT/J6
R3410	*PAT/J6	*PAT/J6
R3417	*PAT/J6	*PAT/J6
R3429	*PAT/J6	*PAT/J6
R3433	*PAT/J6	*PAT/J6
R3434	*PAT/J6	*PAT/J6
R3435	*PAT/J6	*PAT/J6
R3436	*PAT/J6	*PAT/J6
R3437	*PAT/J6	*PAT/J6
R3438	*PAT/J6	*PAT/J6
R3439	*PAT/J6	*PAT/J6
R3467	*PAT/J6	*PAT/J6
R3479	*PAT/J6	*PAT/J6
R3502	*PAT/J6	*PAT/J6
R3503	*PAT/J6	*PAT/J6
TP3301	VJR0098	*PAT
TP3302	VJR0098	*PAT
VR3301	2KB	*PAT

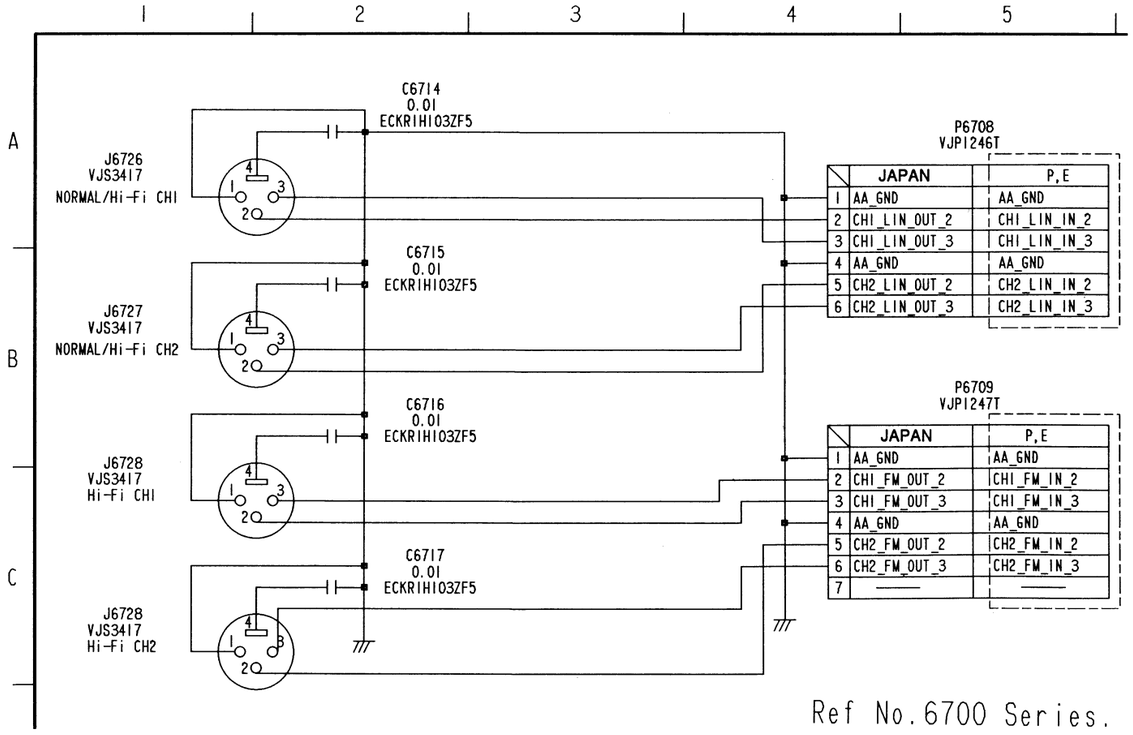
REF	AG-7700	AG-7600
C3004	0.022/UBN	*PAT/UBN
C3005	50VR47/EVV	*PAT/EVV
C3031	*PAT/UN	*PAT/UN
C3036	*PAT/UN	*PAT/UN
C3052	6V22/EVV	*PAT/EVV
C3082	*PAT/UN	*PAT/UN
C3084	*PAT/UFN	*PAT/UFN
C3101	*PAT/UFN	*PAT/UFN
C3128	*PAT/EVV	*PAT/EVV
C3134	*PAT/EVV	*PAT/EVV
C3137	*PAT/UFN	*PAT/UFN
C3222	*PAT/UN	*PAT/UN
C3238	25V4R7/EVN	*PAT/EVN
C3262	*PAT/UN	*PAT/UN
C3263	*PAT/UN	*PAT/UN
C3301	*PAT/UFN	*PAT/UFN
C3304	*PAT	*PAT
C3305	0.1/UFN	*PAT/UFN
C3306	0.01/UBN	*PAT/UBN
C3307	0.01/UBN	*PAT/UBN
C3308	0.01/UBN	*PAT/UBN
C3309	0.01/UBN	*PAT/UBN
C3310	0.01/UBN	*PAT/UBN
C3311	0.01/UBN	*PAT/UBN
C3312	0.01/UBN	*PAT/UBN
C3313	0.01/UBN	*PAT/UBN
C3314	0.01/UBN	*PAT/UBN
C3315	0.01/UBN	*PAT/UBN
C3316	0.01/UBN	*PAT/UBN
C3317	0.01/UBN	*PAT/UBN
C3318	0.01/UBN	*PAT/UBN
C3319	0.1/ZFN	*PAT/ZFN
C3320	0.1/ZFN	*PAT/ZFN
C3321	0.1/ZFN	*PAT/ZFN
C3322	0.1/ZFN	*PAT/ZFN
C3323	0.1/ZFN	*PAT/ZFN
C3324	*PAT/UN	*PAT/UN
C3325	120P/UN	*PAT/UN
C3326	150P/UN	*PAT/UN
C3327	18P/UN	*PAT/UN
C3328	220P/UN	*PAT/UN
C3329	270P/UN	*PAT/UN
C3330	330P/UN	*PAT/UN
C3331	390P/UN	*PAT/UN
C3332	39P/UN	*PAT/UN
C3333	*PAT/UFN	*PAT/UFN

XLR M SCHEMATIC DIAGRAM (E30: Page CBA-16)



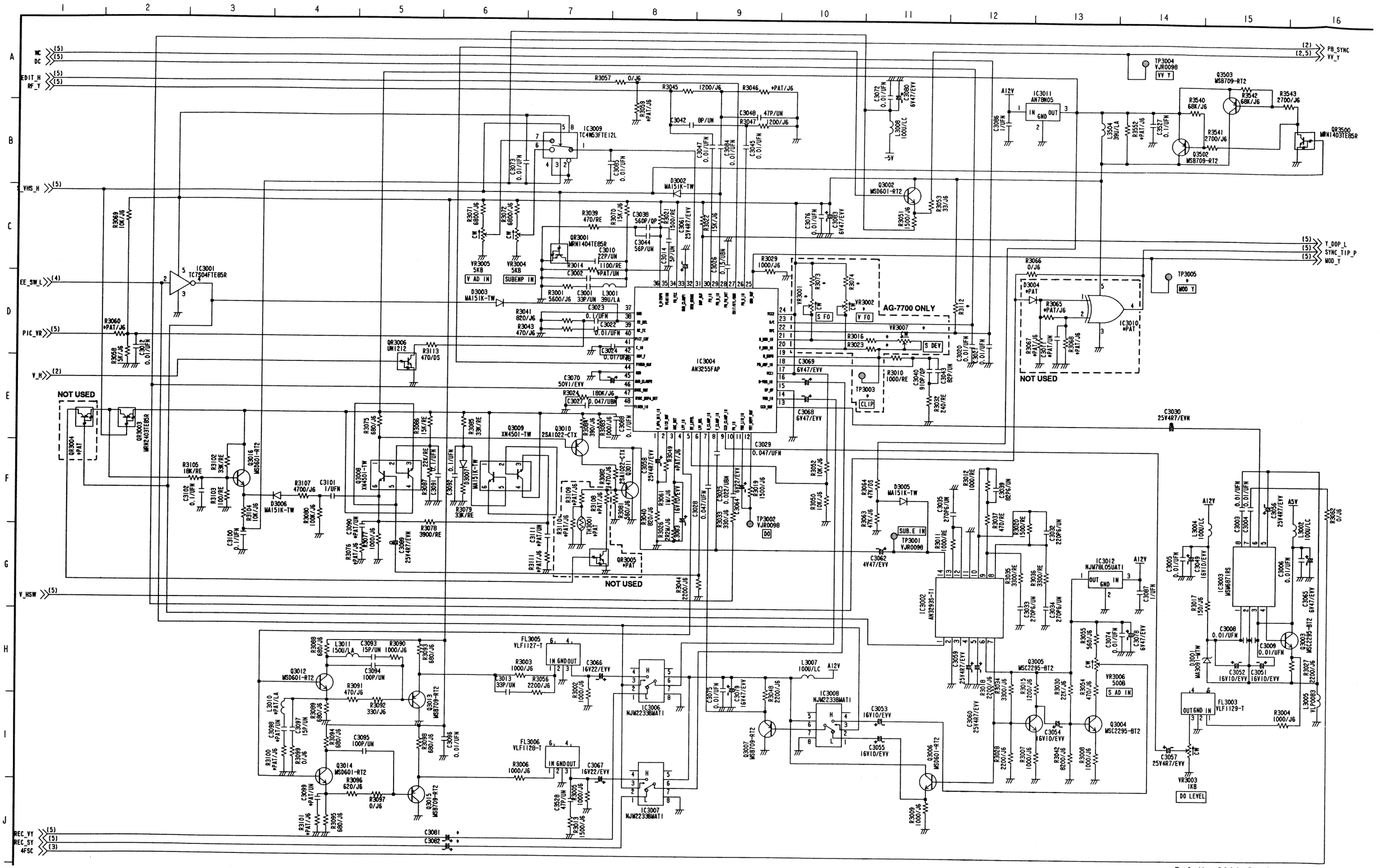
Ref No.6700 Series.

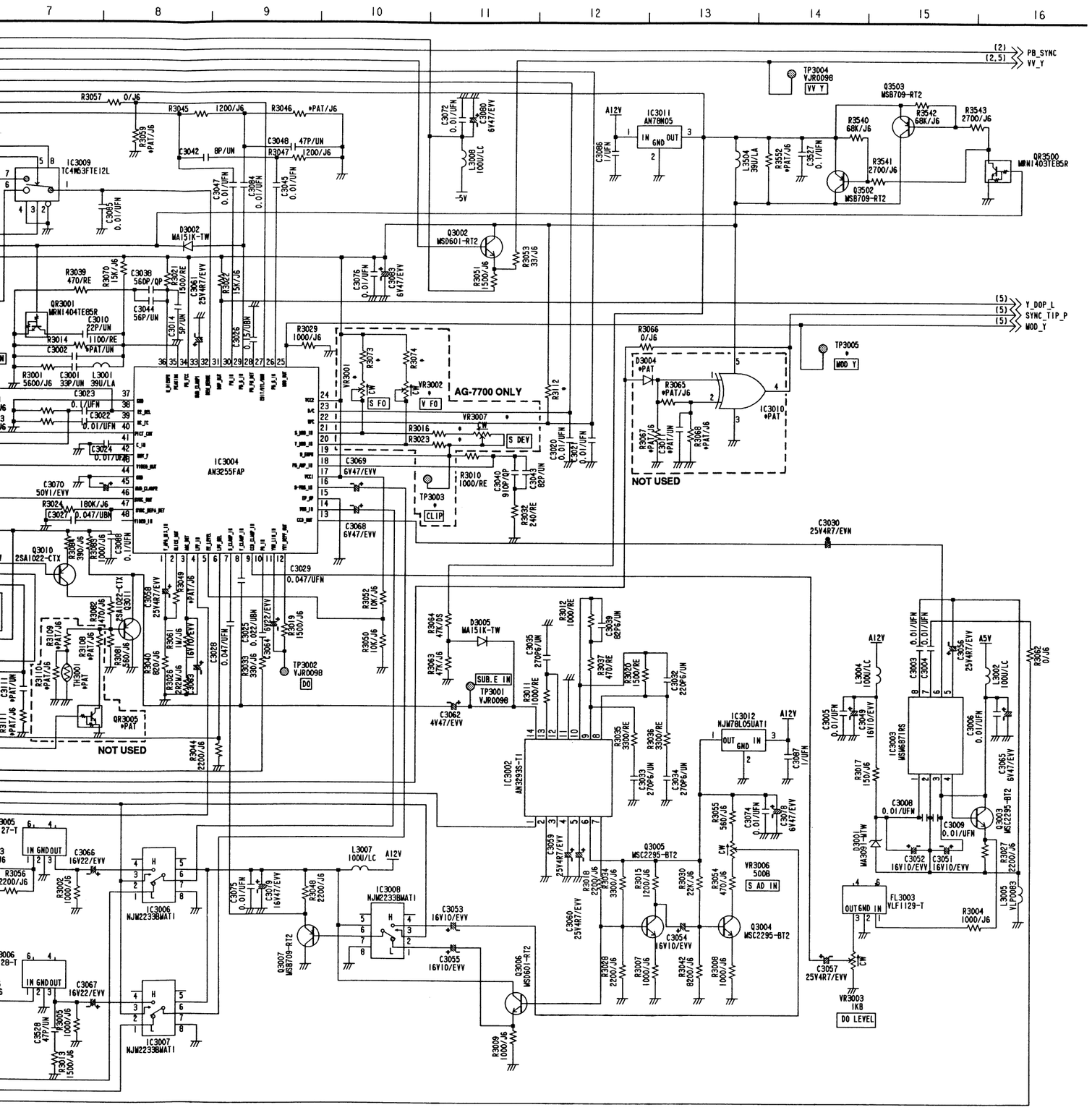
XLR F SCHEMATIC DIAGRAM (E31: AG-7700 0NLY/Page CBA-16)



Ref No.6700 Series.

VIDEO YC-1 SCHEMATIC DIAGRAM 1/6 (E6: Page CBA-7)





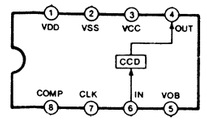
Ref No.3000 Series.

VIDEO YC-1 DC VOLTAGE CHART

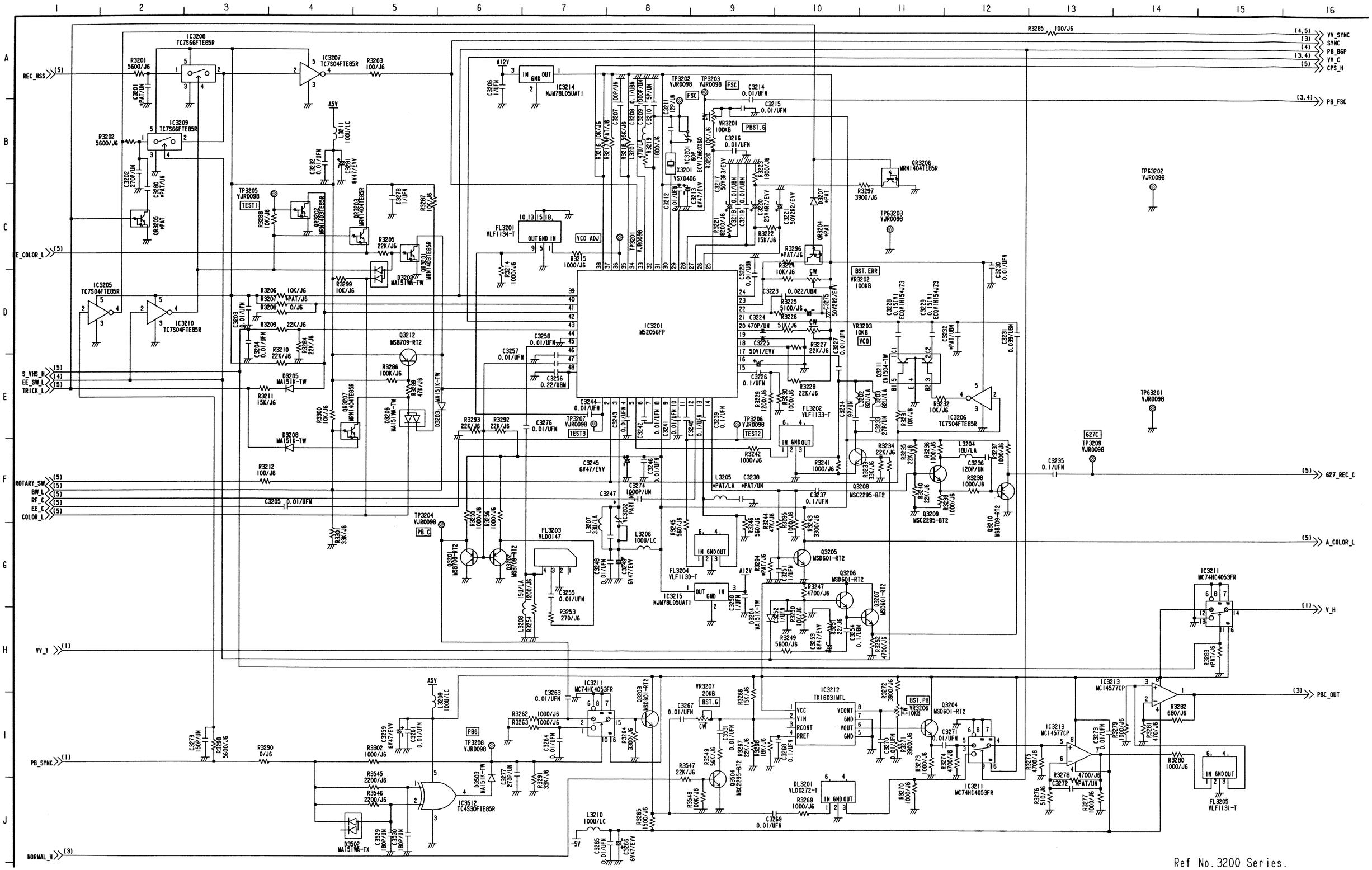
REF. NO.	IC3001																		
MODE	1	2	3	4	5														
STOP	0	0	0	5.0	5.0														
REC	0	0	0	5.0	5.0														
REF. NO.	IC3002																		
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14					
STOP	5.0	0	5.0	3.6	3.3	5.1	2.4	2.9	2.9	2.9	0	3.6	3.6	2.0					
REC	5.0	0	5.0	3.6	3.3	5.1	2.4	2.9	2.9	2.9	0	3.6	3.6	2.0					
REF. NO.	IC3003																		
MODE	1	2	3	4	5	6	7	8											
STOP	9.1	0	4.8	3.3	3.2	1.8	1.6	4.7											
REC	9.1	0	4.8	3.3	3.2	1.8	1.6	4.7											
REF. NO.	IC3004																		
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	2.7	2.7	2.4	2.0	2.5	2.7	2.3	2.2	2.3	2.5	2.8	1.9	1.5	2.0	0	2.1	4.9	2.2	2.2	2.1
REC	2.7	2.7	2.4	2.0	2.5	2.7	2.3	2.2	2.3	2.5	2.8	1.9	1.5	2.0	0	2.1	4.9	2.2	2.2	2.1
REF. NO.	IC3004																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
STOP	2.1	3.8	2.4	4.9	3.2	2.8	4.9	2.1	2.9	2.9	1.3	0.8	2.7	4.9	0	3.3	0	4.5	2.0	3.0
REC	2.1	3.8	1.5	4.9	3.2	2.8	4.9	2.0	2.9	2.9	1.3	0.8	2.7	4.9	1.5	3.3	0	4.5	2.0	3.0
REF. NO.	IC3004																			
MODE	41	42	43	44	45	46	47	48												
STOP	3.3	0	1.5	0	2.7	0.4	2.7	2.8												
REC	3.3	0	1.5	0	2.7	0.4	2.7	2.8												
REF. NO.	IC3006									IC3007									
MODE	1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8		
STOP	6.9	0	7.0	0	0	11.3	6.2	0		6.9	0	7.0	0	0	11.3	6.2	0		
REC	6.9	0	7.0	0	0	11.3	6.2	0		6.9	0	7.0	0	0	11.3	6.2	0		
REF. NO.	IC3008									IC3009									
MODE	1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8		
STOP	6.9	0	7.0	0	0	11.3	6.2	0		0.8	0	−4.9	0	4.9	0.8	1.0	4.9		
REC	6.9	0	7.0	0	0	11.3	6.2	0		0.8	0	−4.9	0	4.9	0.8	1.0	4.9		
REF. NO.	IC3011									IC3012									
MODE	I	G	O							I	G	O							
STOP	11.4	0	5.0							11.4	0	5.0							
REC	11.4	0	5.0							11.4	0	5.0							

REF. NO.	Q3002			Q3003			Q3004			Q3005			Q3006			Q3007				
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B		
STOP	0.9	4.9	1.5	2.5	4.8	3.3	0.7	4.0	1.4	1.5	3.3	2.2	1.6	11.3	2.2	6.9	0	6.2		
REC	0.9	4.9	1.5	2.5	4.9	3.3	0.7	4.0	1.4	1.5	3.3	2.2	1.6	11.3	2.2	6.9	0	6.2		
REF. NO.	Q3008						Q3009						Q3010			Q3011				
MODE	1	2	3	4	5	6	1	2	3	4	5	6	E	C	B	E	C	B		
STOP	3.7	3.0	2.6	5.0	2.6	2.0	5.0	2.4	2.0	5.0	2.7	2.4	4.4	1.7	0	3.3	0	2.7		
REC	3.7	3.0	2.6	5.0	2.6	2.0	5.0	2.4	2.0	5.0	2.7	2.4	4.4	1.7	0	3.3	0	2.7		
REF. NO.	Q3012			Q3013			Q3014			Q3015			Q3502			Q3503				
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B		
STOP	1.4	3.5	2.0	2.1	0	1.4	1.4	3.5	2.0	2.1	0	1.4	5.0	4.9	4.2	5.0	4.9	4.3		
REC	1.4	3.5	2.0	2.1	0	1.4	1.4	3.5	2.0	2.1	0	1.4	5.0	4.9	4.2	5.0	4.9	4.3		
REF. NO.	QR3001			QR3003			QR3500													
MODE	E	C	B	E	C	B	E	C	B											
STOP	0	0	4.9	5.0	0.2	4.9	0	0.1	4.9											
REC	0	0	4.9	5.0	4.9	0.2	0	0.1	4.9											

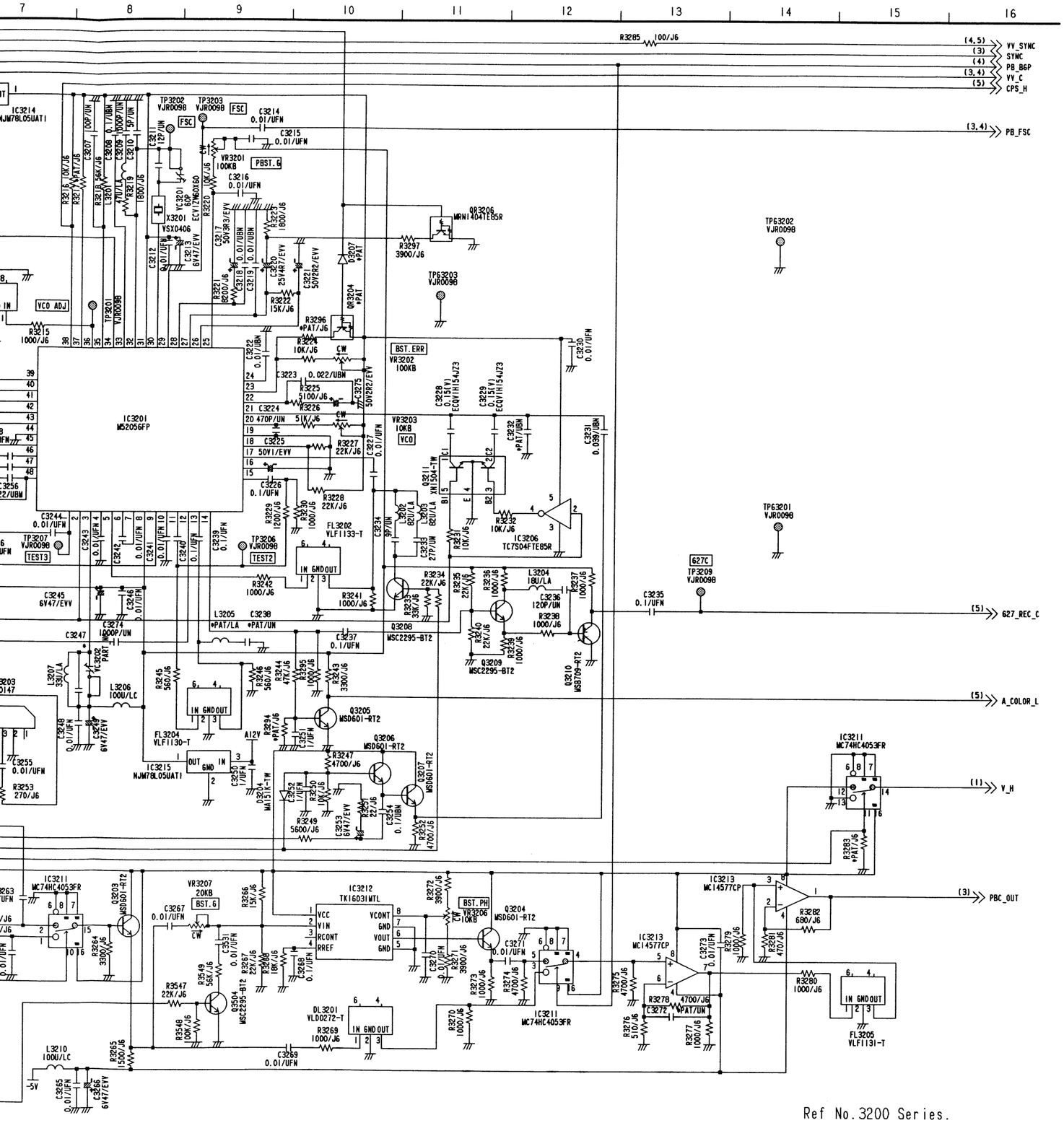
IC3003
MSM6871RS



VIDEO YC-2 SCHEMATIC DIAGRAM 2/6 (E6: Page CBA-7)



Ref No.3200 Series.



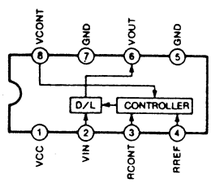
Ref No.3200 Series.

VIDEO YC-2 DC VOLTAGE CHART

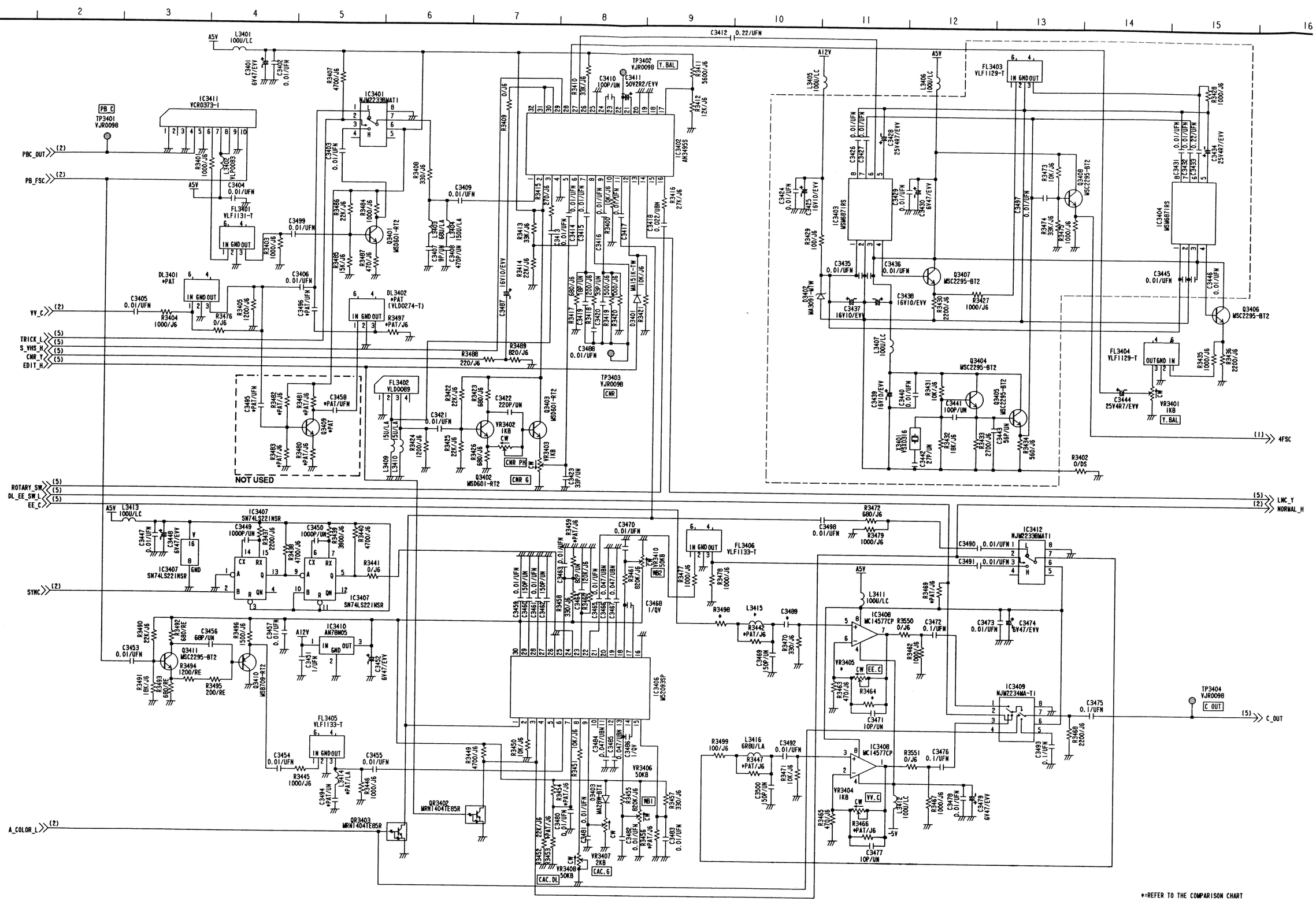
REF. NO.	IC3201																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	2.3	2.4	5.1	3.2	2.4	3.0	3.9	5.1	3.1	3.4	2.3	3.2	3.1	2.5	3.2	3.4	3.2	2.6	0	0
REC	2.3	2.4	5.1	3.2	2.4	3.0	3.9	5.1	3.1	3.4	2.3	3.2	3.1	2.5	3.2	3.4	3.2	2.6	0	0
REF. NO.	IC3201																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
STOP	2.3	3.4	2.0	3.2	0.9	3.4	3.4	4.0	3.6	3.2	5.1	3.9	3.2	0.4	3.0	2.7	0	4.2	4.4	0
REC	2.3	3.4	2.0	3.2	0.9	3.4	3.4	4.0	3.6	3.0	5.1	3.9	3.2	0.4	3.0	2.7	0	4.2	4.4	0
REF. NO.	IC3201																			
MODE	41	42	43	44	45	46	47	48												
STOP	0	2.5	2.5	0	3.2	3.4	2.5	4.9												
REC	0	2.5	2.5	0	3.2	3.4	2.5	4.9												
REF. NO.	IC3205										IC3206									
MODE	1	2	3	4	5						1	2	3	4	5					
STOP	0	0.4	0	4.5	4.9						0	2.4	0	2.5	5.1					
REC	0	0.4	0	4.5	4.9						0	2.4	0	2.5	5.1					
REF. NO.	IC3207										IC3208									
MODE	1	2	3	4	5						1	2	3	4	5					
STOP	0	4.6	0	0.4	4.9						4.6	4.6	0	4.9	4.9					
REC	0	4.6	0	0.4	4.9						4.6	4.6	0	4.9	4.9					
REF. NO.	IC3209										IC3210									
MODE	1	2	3	4	5						1	2	3	4	5					
STOP	4.5	4.6	0	0	4.9						0	0	0	4.9	4.9					
REC	4.5	4.9	0	0	4.9						0	0	0	4.9	4.9					
REF. NO.	IC3211																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
STOP	0	0	0	0	0	0	0	0	4.4	0.3	0	0	0	0	0	4.7				
REC	0	0	0	0	0	0	0	0	4.4	0.3	0	0	0	0	0	4.7				
REF. NO.	IC3212										IC3213									
MODE	1	2	3	4	5	6	7	8			1	2	3	4	5	6	7	8		
STOP	4.7	2.8	2.5	2.3	0	2.9	0	2.3			0.1	−0.1	0	−4.8	0	0	0.1	4.7		
REC	4.7	2.8	2.7	2.3	0	2.9	0	2.3			0.1	−0.1	0	−4.8	0	0	0.1	4.7		
REF. NO.	IC3214										IC3215									
MODE	I	G	O								I	G	O							
STOP	11.4	0	5.1								11.4	0	5.1							
REC	11.4	0	5.1								11.4	0	5.1							
REF. NO.	IC3216																			
MODE	1	2	3	4	5															
STOP	0.3	0.3	0	4.9	4.7															
REC	0.4	0.4	0	4.9	4.7															

REF. NO.	Q3201			Q3202			Q3203			Q3204			Q3205			Q3206			
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B		
STOP	3.3	0	2.7	3.3	0	2.7	−0.6	4.7	0	2.2	4.7	2.8	0	0.1	0.6	0.3	4.7	0.6		
REC	3.3	0	2.7	3.3	0	2.7	−0.6	4.7	0	2.5	4.7	2.9	0	0.1	0.6	0.3	4.7	0.6		
REF. NO.	Q3207			Q3208			Q3209			Q3210			Q3211							
MODE	E	C	B	E	C	B	E	C	B	E	C	B	1	2	3	4	5			
STOP	0	4.7	0.3	0	0	0	1.6	3.5	2.4	2.3	0	1.6	0	0	0.4	0	0.3			
REC	0	4.7	0.3	0	0	0	1.6	3.5	2.4	2.3	1.6	0	0	0	0.4	0	0.3			
REF. NO.	Q3212																			
MODE	E	C	B																	
STOP	4.9	4.9	4.3																	
REC	4.9	4.9	4.3																	
REF. NO.	QR3201			QR3202			QR3203			QR3205			QR3206			QR3207				
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B		
STOP	0	4.9	0	0	0	3.5	0.1	0.1	4.9	0	0	3.4	0	0	3.4	1.6	1.6	4.4		
REC	0	4.9	0	0	0	3.5	0.1	0.1	4.9	0	0	3.4	0	0	3.4	1.6	1.6	4.4		

IC3212
TK16031MTL

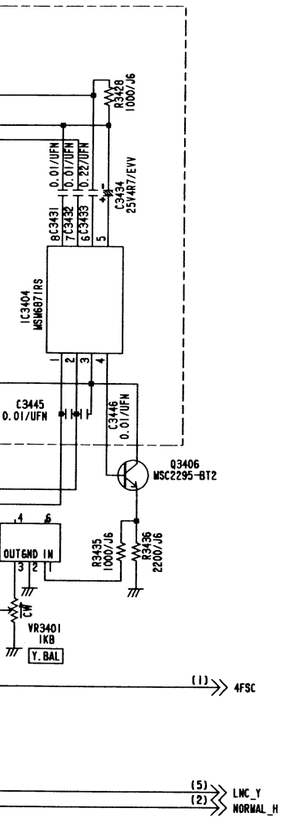


VIDEO YC-3 SCHEMATIC DIAGRAM 3/6 (E6: Page CBA-7)

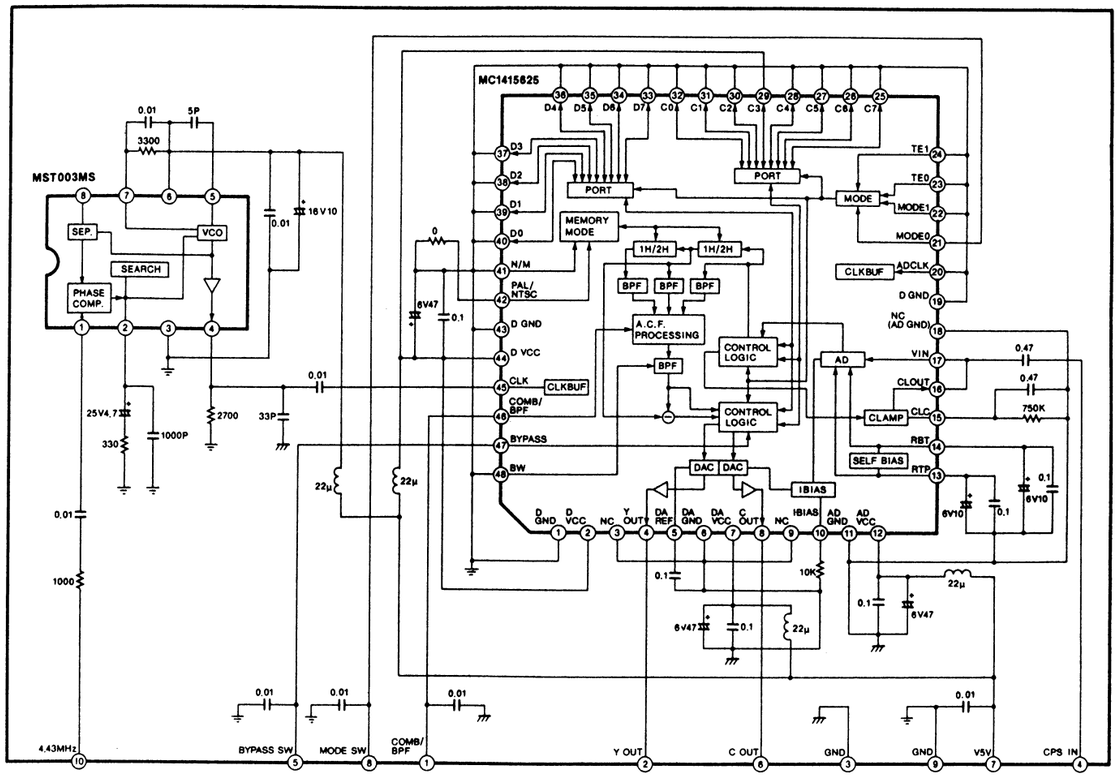


♦=REFER TO THE COMPARISON CHART

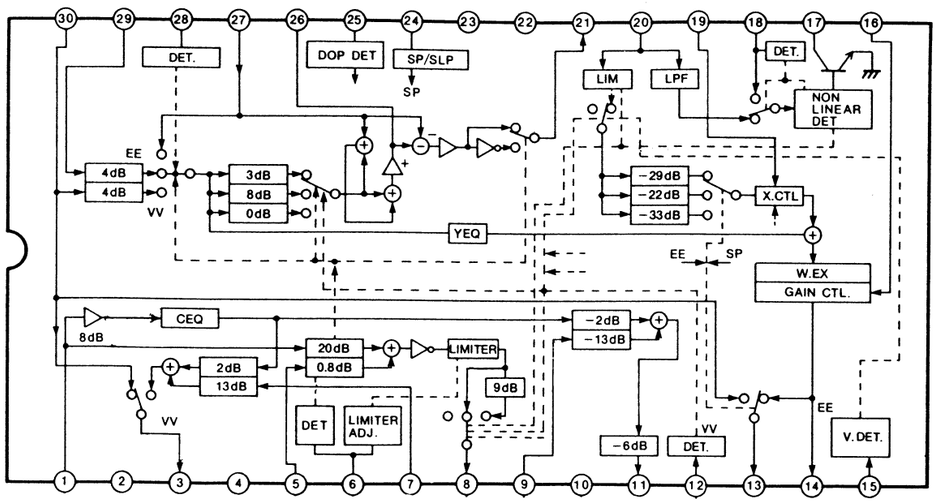
Ref No. 3400 Series.



IC3411
VCR0373



IC3402
AN3495S



VIDEO YC-3 DC VOLTAGE CHART

REF. NO.	IC3401																		
MODE	1	2	3	4	5	6	7	8											
STOP	2.8	3.4	2.8	0	0	4.7	2.0	0											
REC	2.8	3.4	2.8	0	0	4.7	2.0	0											

REF. NO.	IC3402																		
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	3.1	4.7	1.6	0	3.0	1.9	3.1	1.7	3.1	0	1.6	4.3	1.5	1.7	0	2.4	3.2	0	0	0
REC	3.0	4.7	1.5	0	3.0	1.9	3.1	1.7	3.1	0	1.6	4.3	1.5	1.7	0	2.4	3.2	0.1	0	0

REF. NO.	IC3402																		
MODE	21	22	23	24	25	26	27	28	29	30	31	32							
STOP	2.8	2.5	2.2	2.2	0	4.7	1.5	3.5	4.9	3.5	3.5	0							
REC	2.9	2.5	2.2	2.2	0	4.7	1.5	3.5	4.9	3.5	3.5	0							

REF. NO.	IC3403										IC3404									
MODE	1	2	3	4	5	6	7	8			1	2	3	4	5	6	7	8		
STOP	8.0	0	4.7	2.8	2.6	1.1	1.4	4.1			7.9	0	4.7	2.8	2.6	1.1	1.4	4.1		
REC	7.9	0	4.7	2.8	2.6	1.1	1.4	4.1			7.9	0	4.7	2.8	2.6	1.1	1.4	4.1		

REF. NO.	IC3406																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	3.0	1.5	0.1	0	0	3.0	2.5	4.0	1.7	0	4.2	3.7	3.0	2.2	5.0	0	2.2	3.0	4.2	3.7
REC	3.0	1.5	0.1	0	0	3.0	2.5	4.0	1.7	0	4.2	3.7	3.0	2.2	5.0	0	2.2	3.0	4.2	3.7

REF. NO.	IC3406																			
MODE	21	22	23	24	25	26	27	28	29	30										
STOP	0	2.4	2.7	0.3	5.0	0	4.0	2.5	4.0	5.0										
REC	0	2.4	2.8	0.3	5.0	0	4.0	2.5	4.0	5.0										

REF. NO.	IC3407																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
STOP	0	0.4	4.9	3.9	0.3	4.6	0	0	0.2	4.9	4.9	3.9	0.2	4.7	1.2	4.9				
REC	0	0.4	4.9	4.0	0.3	4.6	0	0	0.2	4.9	4.9	3.9	0.2	4.7	1.2	4.9				

REF. NO.	IC3408								IC3409									
MODE	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8		
STOP	0	0	0	−4.8	0	0	0	4.7	2.8	0	2.8	0.1	2.8	4.7	2.1	0		
REC	0	0	0	−4.8	0	0	0	4.7	2.8	0	2.8	0.1	2.8	4.7	2.1	0		

REF. NO.	IC3410								IC3411									
MODE	I	G	O						1	2	3	4	5	6	7	8	9	10
STOP	11.4	0	5.0						0	0.9	0	0.1	0	0.9	4.9	4.9	0	0
REC	11.4	0	5.0						0	0.9	0	0.1	0	0.9	4.9	4.9	0	0

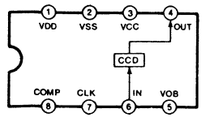
REF. NO.	IC3412																		
MODE	1	2	3	4	5	6	7	8											
STOP	2.8	0	2.8	0	0	4.7	2.0	0											
REC	2.8	0	2.8	0	0	4.7	2.0	0											

REF. NO.	Q3401			Q3402			Q3403			Q3404			Q3405			Q3406				
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B		
STOP	1.2	2.1	1.8	1.6	3.0	2.2	1.0	4.7	1.6	2.3	4.7	3.1	2.0	4.6	2.3	2.1	4.7	2.8		
REC	1.2	2.2	1.8	1.6	3.0	2.2	1.0	4.7	1.6	2.3	4.7	3.1	2.0	4.7	2.3	2.1	4.7	2.8		

REF. NO.	Q3407			Q3408			Q3410			Q3411									
MODE	E	C	B	E	C	B	E	C	B	E	C	B							
STOP	2.1	4.7	2.8	2.9	4.7	3.4	2.0	0	1.3	1.3	3.7	2.1							
REC	2.1	4.7	2.8	2.9	4.7	3.4	2.0	0	1.3	1.3	3.7	2.1							

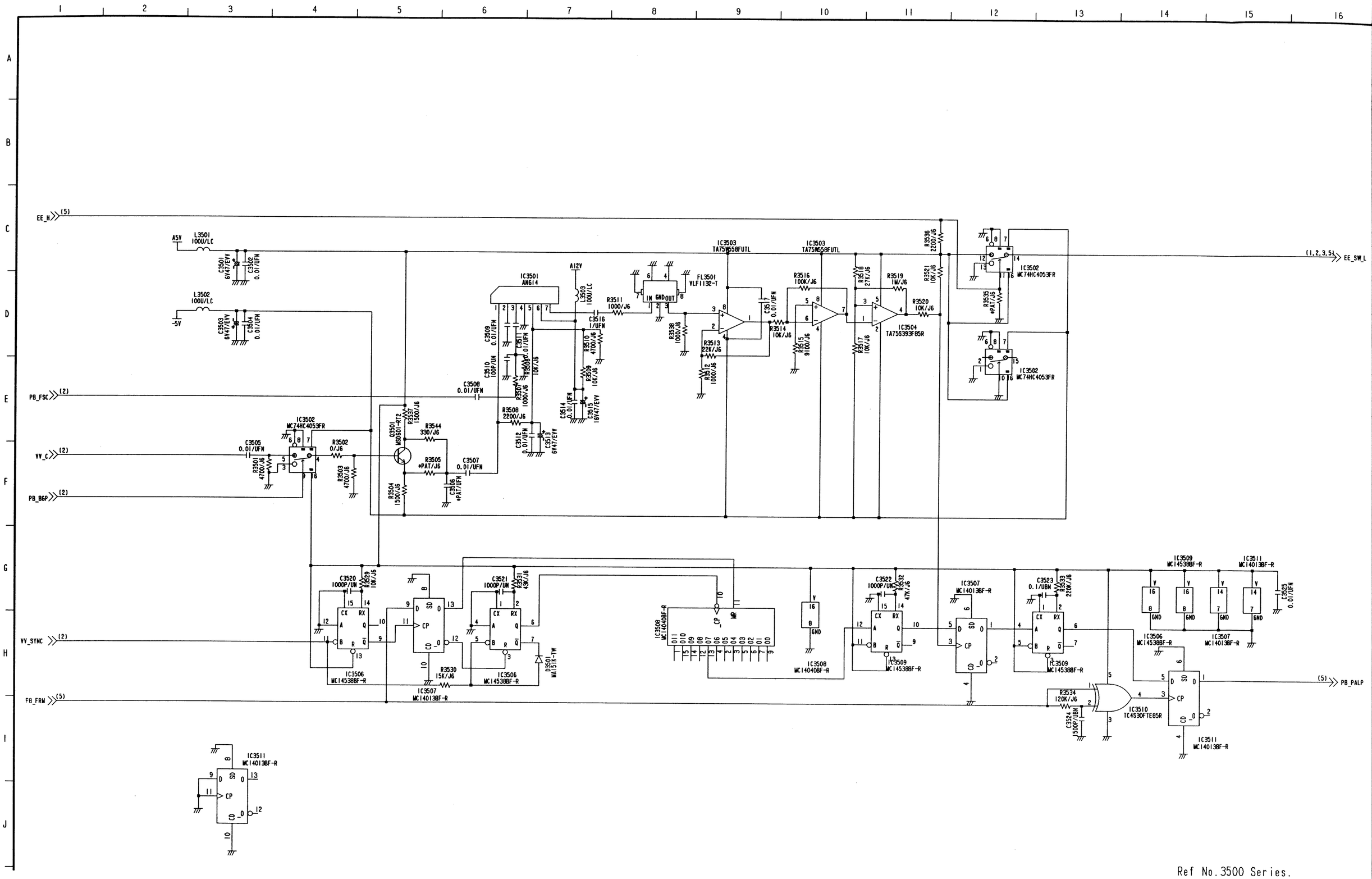
REF. NO.	QR3402			QR3403															
MODE	E	C	B	E	C	B													
STOP	0	0	4.9	0	3.0	0													
REC	0	0	4.9	0	3.0	0													

IC3403,3404
MSM6871RS



●=REFER TO THE COMPARISON CHART
Ref No.3400 Series.

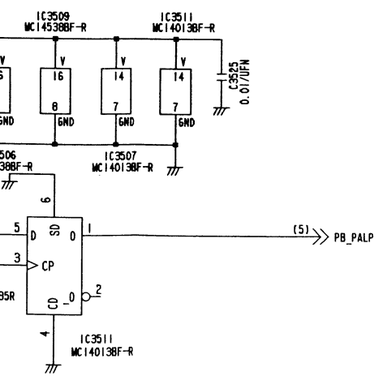
VIDEO YC-4 SCHEMATIC DIAGRAM 4/6 (E6: Page CBA-7)



Ref No.3500 Series.

14 15 16

(1,2,3,5) EE_SW_L



Ref No.3500 Series.

VIDEO YC-4 DC VOLTAGE CHART

REF. NO.	IC3501									
MODE	1	2	3	4	5	6	7			
STOP	3.7	4.2	4.2	0	3.7	11.4	7.6			
REC	3.7	4.2	4.2	0	3.7	11.4	7.6			
REF. NO.	IC3502									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0	0	0	0	0	0	−4.9	0	4.3	0
REC	0	0	0	0	0	0	−4.9	0	4.4	0
REF. NO.	IC3502									
MODE	11	12	13	14	15	16				
STOP	4.9	4.9	0	0	0	4.9				
REC	4.9	4.9	0	0	0	4.9				
REF. NO.	IC3503									
MODE	1	2	3	4	5	6	7	8		
STOP	0	0	0	−4.9	0	0	−0.2	4.9		
REC	0	0	0	−4.9	0	0	−0.2	4.9		
REF. NO.	IC3504									
MODE	1	2	3	4	5					
STOP	−0.2	−4.9	−2.2	−4.7	4.9					
REC	−0.2	−4.9	−2.2	−4.8	4.9					
REF. NO.	IC3506									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0	3.4	2.4	0	2.9	1.8	3.1	0	3.8	1.1
REC	0	3.4	2.4	0	3.0	1.8	3.1	0	3.8	1.1
REF. NO.	IC3506									
MODE	11	12	13	14	15	16				
STOP	4.5	0	4.9	3.8	0	4.9				
REC	4.5	0	4.9	3.8	0	4.9				
REF. NO.	IC3507									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0	4.7	0.1	0	0	0	0	0	2.5	0
REC	0	4.9	0.1	0	0	0	0	0	2.5	0
REF. NO.	IC3507									
MODE	11	12	13	14						
STOP	3.8	2.4	2.4	4.7						
REC	3.8	2.4	2.4	4.9						
REF. NO.	IC3508									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0	1.2	1.1	0.9	1.2	1.2	1.2	0	1.2	1.8
REC	0	1.2	1.2	1.0	1.2	1.2	1.2	0	1.2	1.8
REF. NO.	IC3508									
MODE	11	12	13	14	15	16				
STOP	2.4	0.4	1.0	0	0	4.9				
REC	2.4	0.4	1.0	0	0	4.9				
REF. NO.	IC3509									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0	2.7	4.9	0	4.9	2.7	2.2	0	4.9	0
REC	0	2.7	4.9	0	4.9	2.7	2.2	0	4.9	0
REF. NO.	IC3509									
MODE	11	12	13	14	15	16				
STOP	4.9	1.0	4.9	4.9	0	4.9				
REC	4.9	1.0	4.9	4.8	0	4.9				
REF. NO.	IC3510									
MODE	1	2	3	4	5					
STOP	2.5	2.5	0	0	4.9					
REC	2.5	2.5	0	0	4.9					
REF. NO.	IC3511									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	2.4	2.4	0	0	2.7	0	0	0	0	0
REC	2.4	2.4	0	0	2.7	0	0	0	0	0
REF. NO.	IC3511									
MODE	11	12	13	14						
STOP	0	0	4.9	4.9						
REC	0	0	4.9	4.9						
REF. NO.	Q3501									
MODE	E	C	B							
STOP	−0.6	0.6	0							
REC	−0.6	0.6	0							

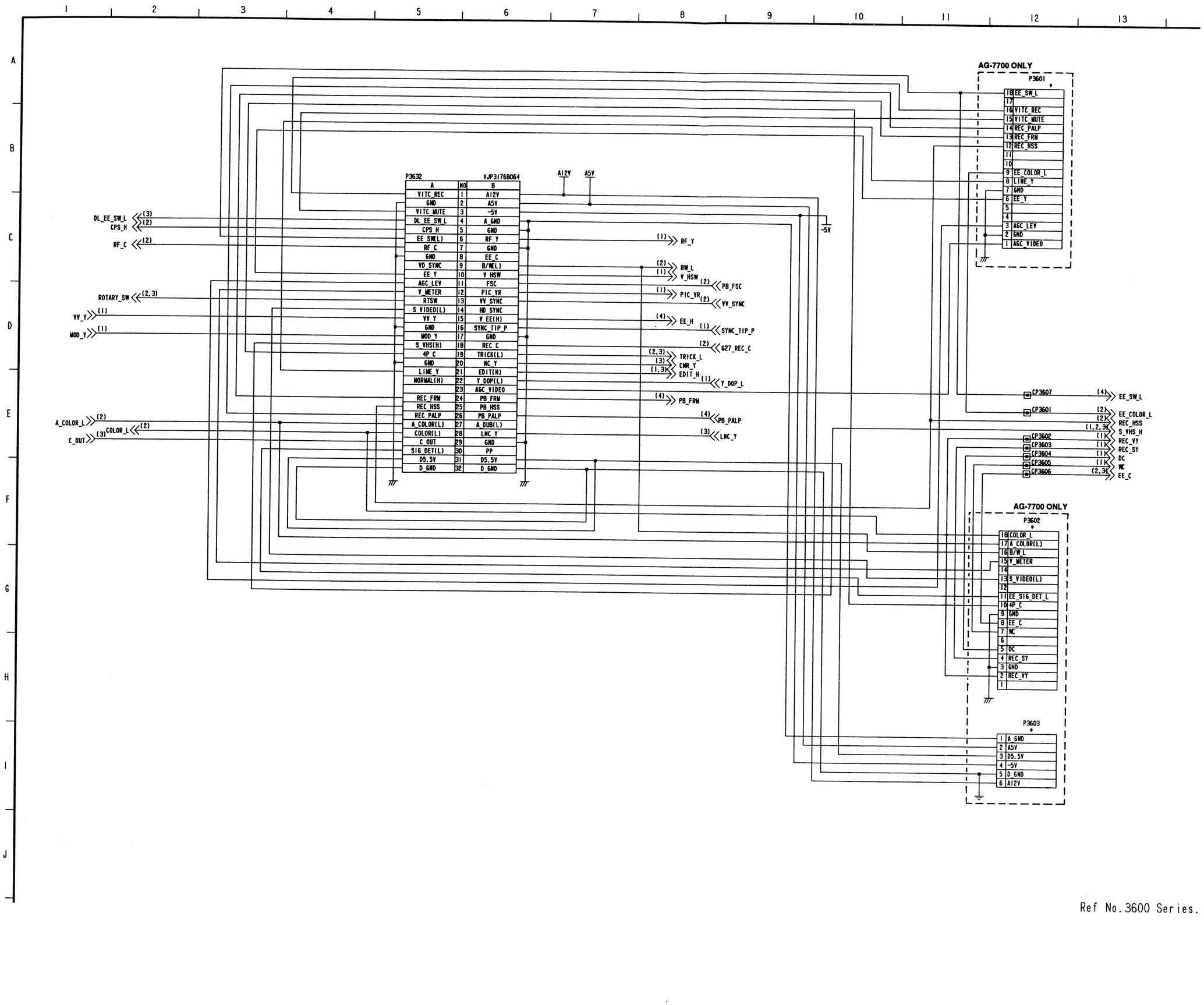
VIDEO YC COMPARISON CHART 6/6 (E6: Page CBA-7)

REF	AG-7700	AG-7600
C3002	*PAT/UN	*PAT/UN
C3011	*PAT/UN	*PAT/UN
C3081	6V47/EVV	*PAT/EVV
C3082	6V47/EVV	*PAT/EVV
C3090	*PAT/UN	*PAT/UN
C3098	*PAT/UN	*PAT/UN
C3099	*PAT/UN	*PAT/UN
C3111	*PAT/UN	*PAT/UN
C3201	*PAT/UN	*PAT/UN
C3232	*PAT/UBN	*PAT/UBN
C3238	*PAT/UN	*PAT/UN
C3247	6P/UN	*PAT/UN
C3272	*PAT/UN	*PAT/UN
C3280	*PAT/UN	*PAT/UN
C3458	*PAT/UFN	*PAT/UFN
C3489	0.01/UFN	*PAT/UFN
C3494	*PAT/UN	*PAT/UN
C3495	*PAT/UFN	*PAT/UFN
C3496	*PAT/UFN	*PAT/UFN
C3506	*PAT/UFN	*PAT/UFN
D3004	*PAT	*PAT
D3207	*PAT	*PAT
DL3401	*PAT	*PAT
DL3402	*PAT	*PAT
IC3010	*PAT	*PAT
L3010	*PAT/LA	*PAT/LA
L3205	*PAT/LA	*PAT/LA
L3414	*PAT/LA	*PAT/LA
L3415	6R8U/LA	*PAT/LA
P3601	VJS2848D018	*PAT
P3602	VJS2848D018	*PAT
P3603	VJP1233T	*PAT
Q3409	*PAT	*PAT
QR3004	*PAT	*PAT
QR3005	*PAT	*PAT
QR3204	*PAT	*PAT
QR3205	*PAT	*PAT
R3016	0/J6	*PAT/J6
R3023	3900/J6	*PAT/J6
R3046	*PAT/J6	*PAT/J6
R3049	*PAT/J6	*PAT/J6
R3059	*PAT/J6	*PAT/J6
R3060	*PAT/J6	*PAT/J6
R3065	*PAT/J6	*PAT/J6
R3067	*PAT/J6	*PAT/J6

REF	AG-7700	AG-7600
R3068	*PAT/J6	*PAT/J6
R3073	3900/J6	*PAT/J6
R3074	6800/J6	*PAT/J6
R3076	*PAT/J6	*PAT/J6
R3100	*PAT/J6	*PAT/J6
R3101	*PAT/J6	*PAT/J6
R3108	*PAT/J6	*PAT/J6
R3109	*PAT/J6	*PAT/J6
R3110	*PAT/J6	*PAT/J6
R3111	*PAT/J6	*PAT/J6
R3112	*PAT/J6	10K/J6
R3207	*PAT/J6	*PAT/J6
R3217	*PAT/J6	*PAT/J6
R3283	*PAT/J6	*PAT/J6
R3294	*PAT/J6	*PAT/J6
R3296	*PAT/J6	*PAT/J6
R3442	*PAT/J6	*PAT/J6
R3447	*PAT/J6	*PAT/J6
R3453	*PAT/J6	*PAT/J6
R3454	*PAT/J6	*PAT/J6
R3456	*PAT/J6	*PAT/J6
R3459	*PAT/J6	*PAT/J6
R3464	*PAT/J6	0/J6
R3466	*PAT/J6	*PAT/J6
R3469	*PAT/J6	*PAT/J6
R3480	*PAT/J6	*PAT/J6
R3481	*PAT/J6	*PAT/J6
R3482	*PAT/J6	*PAT/J6
R3483	*PAT/J6	*PAT/J6
R3497	*PAT/J6	*PAT/J6
R3498	100/J6	*PAT/J6
R3505	*PAT/J6	*PAT/J6
R3535	*PAT/J6	*PAT/J6
R3552	*PAT/J6	*PAT/J6
TH3001	*PAT	*PAT
TP3003	VJR0098	*PAT
TP3005	VJR0098	*PAT
VC3202	ECV1ZW20X60	*PAT
VR3001	5KB	*PAT
VR3002	5KB	*PAT
VR3007	5KB	*PAT
VR3405	1KB	*PAT

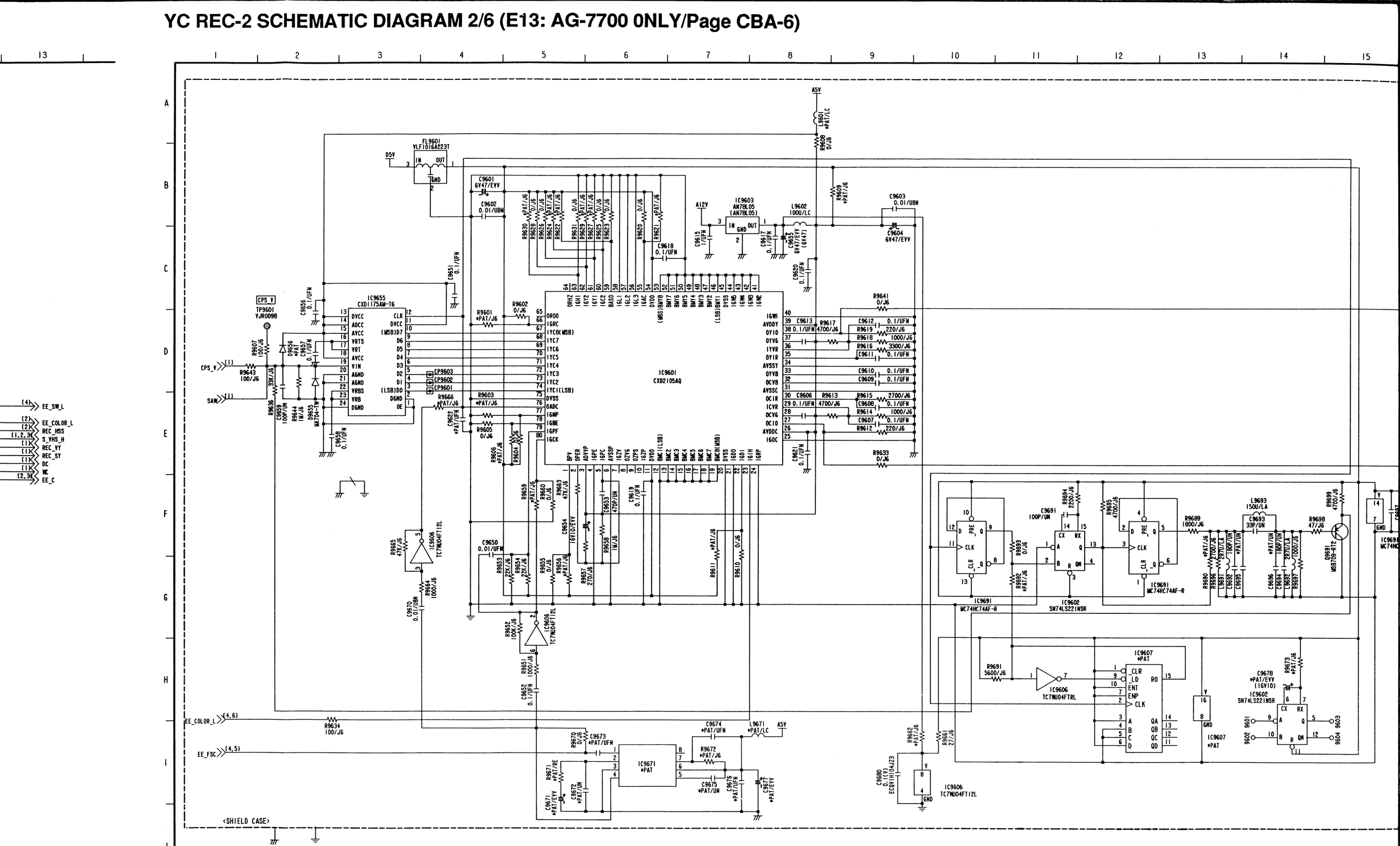
VIDEO YC-5 SCHEMATIC DIAGRAM 5/6 (E6: Page CBA-7)

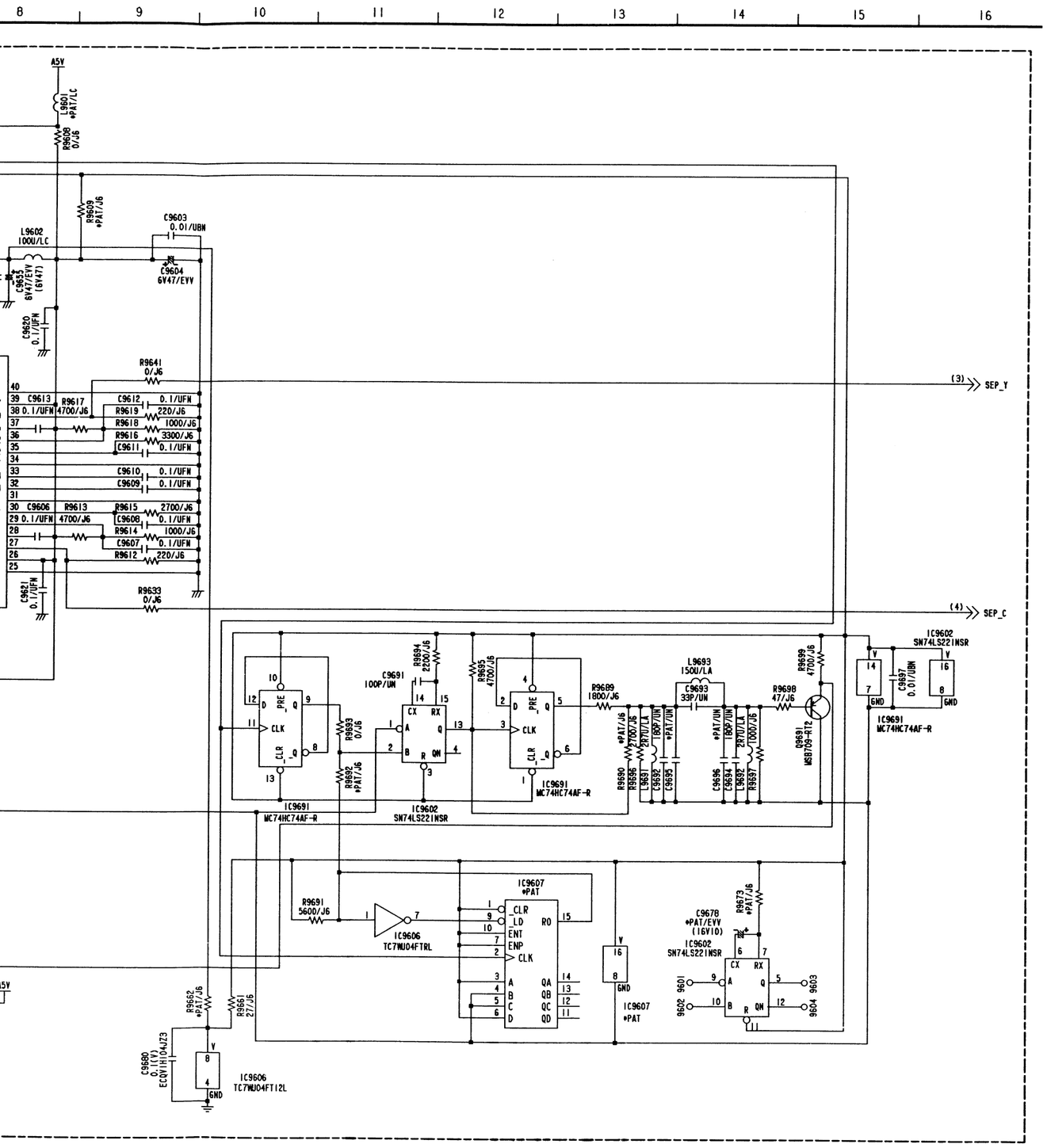
YC REC-2 SCHEMATI



Ref No.3600 Series.

YC REC-2 SCHEMATIC DIAGRAM 2/6 (E13: AG-7700 0NLY/Page CBA-6)

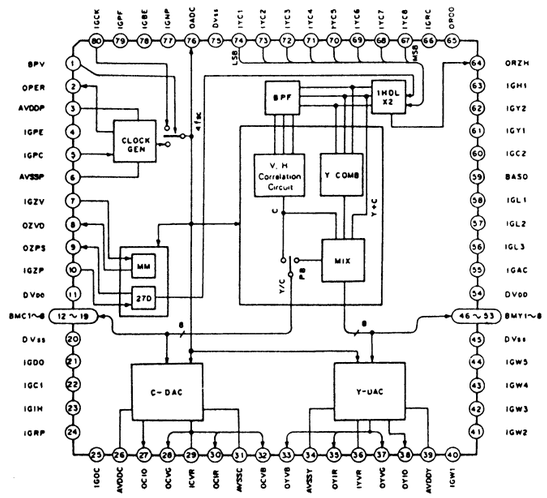




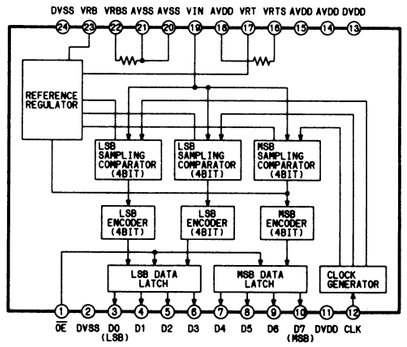
•PAT=PATTERN ONLY
•=REFER TO THE COMPARISON CHART

Ref No.9601~9699 Series

IC9601
CXD2105AQ



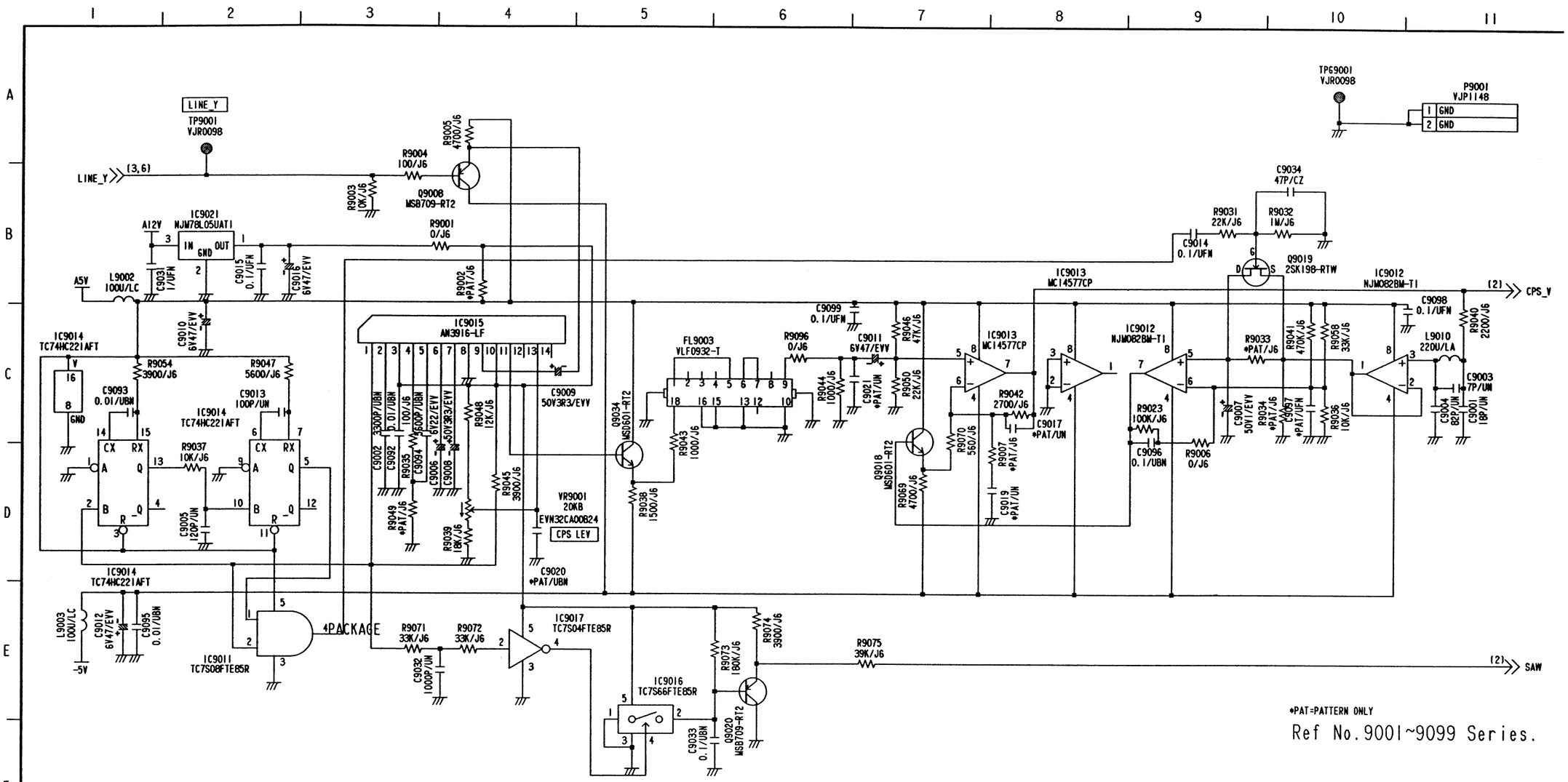
IC9655
CXD1175AM



YC REC-2 DC VOLTAGE CHART

REF. NO.	IC9601									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	U	1.7	4.9	0.1	1.8	0.1	0	0	0	0
REC	0	1.7	4.9	0.1	1.8	0.1	0	0	0	0
REF. NO.	IC9601									
MODE	11	12	13	14	15	16	17	18	19	20
STOP	4.9	0	0	0	0	0	0	0	0	0
REC	4.9	0	0	0	0	0	0	0	0	0
REF. NO.	IC9601									
MODE	21	22	23	24	25	26	27	28	29	30
STOP	0	0	0.1	0	0	4.9	0.5	3.4	0.8	0.9
REC	0	0	0.1	0	0	4.9	0.5	3.4	0.8	0.9
REF. NO.	IC9601									
MODE	31	32	33	34	35	36	37	38	39	40
STOP	0	0.4	0.4	0	0.9	0.8	3.5	0.4	4.9	0
REC	0	0.4	0.4	0	0.9	0.8	3.5	0.4	4.9	0
REF. NO.	IC9601									
MODE	41	42	43	44	45	46	47	48	49	50
STOP	0	0	0	0	0	0	0	0	0	0
REC	0	0	0	0	0	0	0	0	0	0
REF. NO.	IC9601									
MODE	51	52	53	54	55	56	57	58	59	60
STOP	0	0	0	5.1	5.1	0	0	0	0	0
REC	0	0	0	5.1	5.1	0	0	0	0	0
REF. NO.	IC9601									
MODE	61	62	63	64	65	66	67	68	69	70
STOP	5.1	5.1	0	0	0	5.1	1.6	2.8	1.1	2.7
REC	5.1	5.1	0	0	0	5.1	1.6	2.9	1.0	2.8
REF. NO.	IC9601									
MODE	71	72	73	74	75	76	77	78	79	80
STOP	1.5	2.1	1.2	1.2	0	1.2	5.1	0	2.4	0
REC	1.6	2.1	1.3	1.2	0	1.2	5.1	0	2.4	0
REF. NO.	IC9602									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0	2.2	4.9	0.4	0.1	5.1	0.4	0	1.4	0.8
REC	0	2.2	4.9	0.4	0.1	5.1	0.3	0	1.4	0.8
REF. NO.	IC9602									
MODE	11	12	13	14	15	16				
STOP	5.1	0.1	2.1	1.6	1.2	5.1				
REC	5.1	0.1	2.1	1.6	1.2	5.1				
REF. NO.	IC9603									
MODE	1	2	3							
STOP	5.1	0	11.4							
REC	5.1	0	11.4							
REF. NO.	IC9606									
MODE	1	2	3	4	5	6	7	8		
STOP	5.1	2.5	0	0	4.9	2.5	0	4.9		
REC	5.1	2.5	0	0	4.9	2.5	0	4.9		
REF. NO.	IC9655									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0	0	1.2	1.1	2.1	1.4	2.7	1.1	2.8	1.6
REC	0	0	1.2	1.5	2.1	1.7	2.8	1.0	2.8	1.6
REF. NO.	IC9655									
MODE	11	12	13	14	15	16	17	18	19	20
STOP	4.9	1.2	4.9	4.9	0	2.7	2.7	4.9	1.6	0
REC	4.9	1.1	4.9	4.9	0	2.7	2.7	4.9	1.6	0
REF. NO.	IC9655									
MODE	21	22	23	24						
STOP	0	0.6	0.6	0						
REC	0	0.6	0.6	0						
REF. NO.	IC9691									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	4.9	2.5	2.1	4.9	2.4	2.5	0	2.1	2.2	5.1
REC	4.9	2.5	2.1	4.9	2.4	2.5	0	2.1	2.2	5.1
REF. NO.	IC9691									
MODE	11	12	13	14						
STOP	1.2	2.1	5.1	5.1						
REC	1.2	2.1	5.1	5.1						
REF. NO.	Q9691									
MODE	E	C	B							
STOP	0.5	0	0							
REC	0.5	0	0							

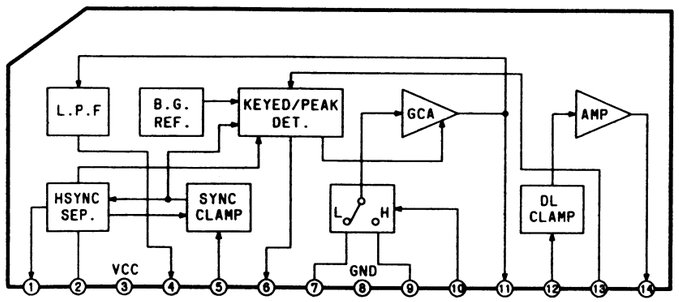
YC REC-1 SCHEMATIC DIAGRAM 1/6 (E13: AG-7700 0NLY/Page CBA-6)



*PAT=PATTERN ONLY

Ref No.9001~9099 Series.

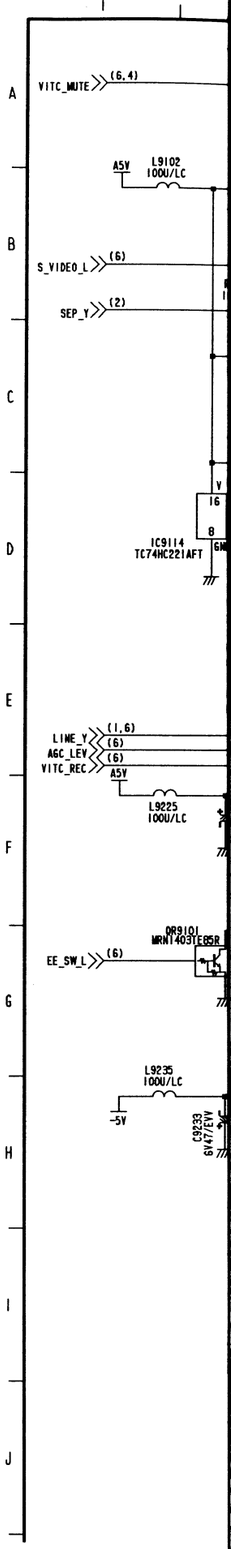
IC9015
AN3916



YC REC-1 DC VOLTAGE CHART

REF. NO.	IC9012										IC9013									
MODE	1	2	3	4	5	6	7	8			1	2	3	4	5	6	7	8		
STOP	1.6	1.6	1.6	−4.8	1.3	0	2.1	4.7			1.2	0	0	−4.8	1.5	1.5	1.6	4.7		
REC	1.6	1.6	1.6	−4.8	1.3	0	2.1	4.7			1.2	0	0	−4.8	1.5	1.5	1.6	4.7		
REF. NO.	IC9014																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
STOP	0	4.7	4.9	1.9	0.1	0	4.8	0	0	3.0	4.9	4.8	3.0	0	3.4	4.9				
REC	0	4.7	4.9	1.9	0.1	0	4.8	0	0	3.0	4.9	4.8	3.0	0	3.4	4.9				
REF. NO.	IC9015																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
STOP	4.7	3.0	5.1	2.0	1.7	2.2	3.0	0	2.9	5.1	2.8	3.0	2.3	1.6						
REC	4.7	3.0	5.1	2.0	1.7	2.2	3.0	0	2.9	5.1	2.8	3.0	2.3	1.6						
REF. NO.	IC9021																			
MODE	O	G	I																	
STOP	5.1	0	11.4																	
REC	5.1	0	11.4																	
REF. NO.	Q9008			Q9018			Q9019													
MODE	E	C	B	E	C	B	S	G	D											
STOP	0.6	−4.8	0	1.5	4.7	2.1	1.6	0	1.3											
REC	0.6	−4.8	0	1.5	4.9	2.2	1.6	0	1.3											

YC REC-3 SC



YC REC-3 SCHEMATIC DIAGRAM 3/6 (E13: AG-7700 0NLY/Page CBA-6)

P9001
VJP1148
1 GND
2 GND

(2) CPS_V

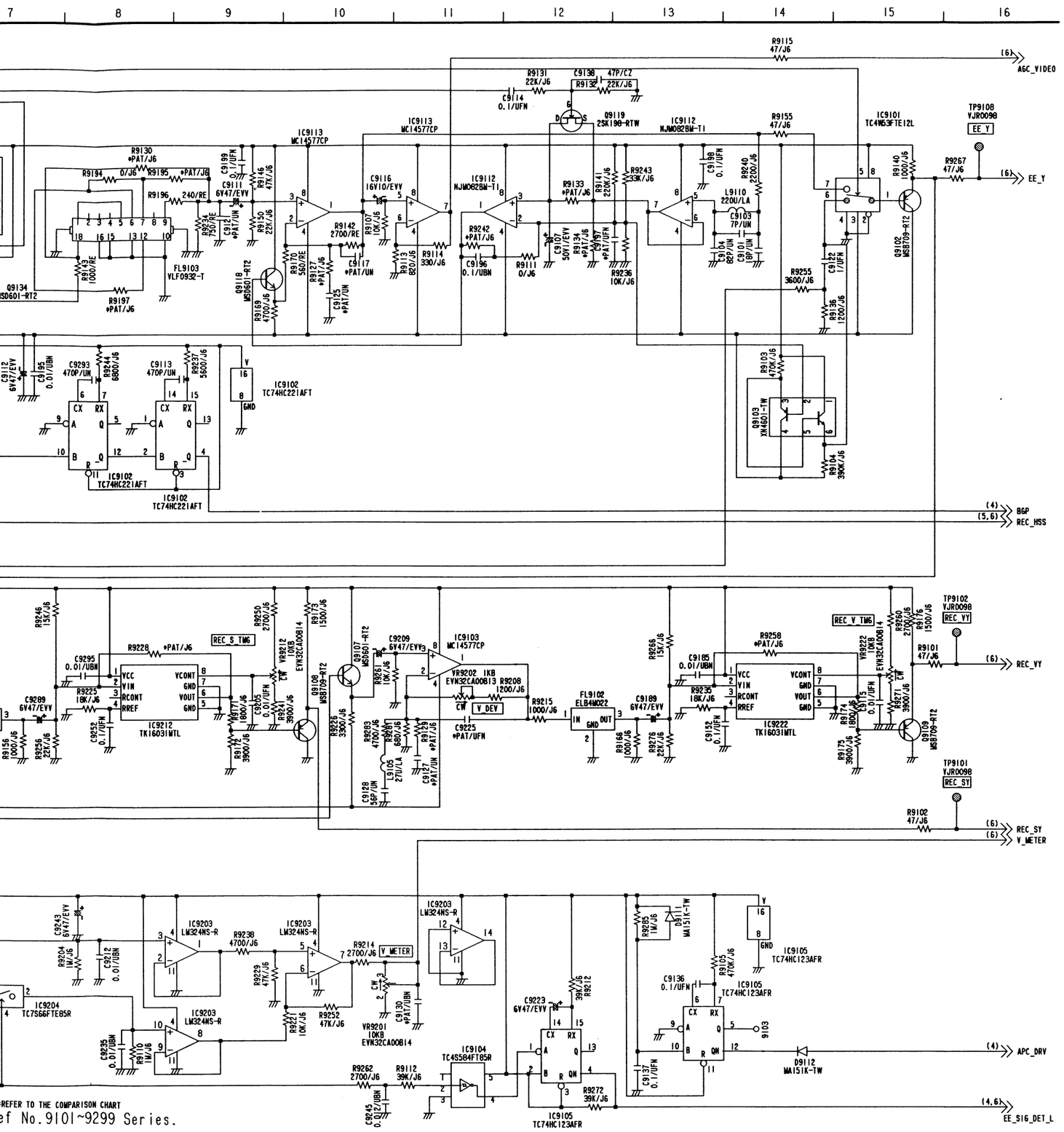
(2) SAW

~9099 Series.

C9013					
	6	7	8		
	1.5	1.6	4.7		
	1.5	1.6	4.7		
	16				
	4.9				
	4.9				

*=REFER TO THE COMPARISON CHART
Ref No.9101~9299 Series.

age CBA-6)

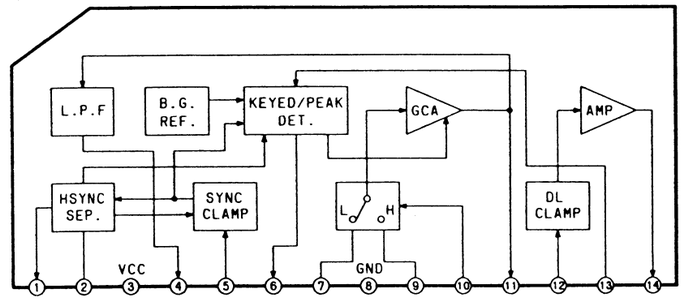


REFER TO THE COMPARISON CHART
ef No.9101~9299 Series.

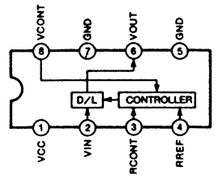
YC REC-3 DC VOLTAGE CHART

REF. NO.	IC9101																
MODE	1	2	3	4	5	6	7	8									
STOP	1.4	0	−4.6	0	0	1.2	1.4	4.6									
REC	1.4	0	−4.6	0	0.2	1.2	1.4	4.6									
REF. NO.	IC9102																
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
STOP	0	4.3	4.6	4.3	0.3	0	4.4	0	0	0.3	4.6	4.3	0.2	0	4.4	4.6	
REC	0	4.3	4.6	4.3	0.3	0	4.4	0	0	0.3	4.6	4.3	0.2	0	4.4	4.6	
REF. NO.	IC9103								IC9104								
MODE	1	2	3	4	5	6	7	8	1	2	3	4	5				
STOP	0	0	0	−4.7	0	0	0	4.6	0	0.3	0	4.5	4.6				
REC	0	0	0	−4.7	0	0	0	4.6	0	0.3	0	4.5	4.6				
REF. NO.	IC9105																
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
STOP	4.5	4.6	4.6	0	0	0	4.4	0	0	4.1	4.6	4.6	4.6	0	1.3	4.6	
REC	4.5	4.6	4.6	0	0	0	4.4	0	0	4.1	4.6	4.6	4.6	0	1.3	4.6	
REF. NO.	IC9112								IC9113								
MODE	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	
STOP	2.1	1.2	1.2	−4.6	1.4	1.4	1.4	4.6	1.4	1.4	1.4	−4.6	0	−0.1	0	4.6	
REC	2.1	1.2	1.2	−4.6	1.4	1.4	1.4	4.6	1.4	1.4	1.4	−4.6	0	−0.1	0	4.6	
REF. NO.	IC9114																
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
STOP	0	2.7	4.6	4.5	2.7	0	3.3	0	0	4.6	4.6	1.9	0.1	0	4.5	4.6	
REC	0	2.7	4.6	4.5	2.7	0	3.3	0	0	4.6	4.6	1.9	0.1	0	4.5	4.6	
REF. NO.	IC9115																
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14			
STOP	4.6	3.0	5.0	1.9	1.6	2.2	3.0	0	2.9	3.2	2.6	3.0	2.9	1.6			
REC	4.6	3.0	5.0	1.9	1.6	2.2	2.9	0	2.9	3.2	2.6	3.0	2.9	1.6			
REF. NO.	IC9121								IC9201								
MODE	1	2	3						1	2	3	4	5				
STOP	5.0	0	11.4						0	4.6	0	0.3	4.6				
REC	5.0	0	11.4						0	4.6	0	0.3	4.6				
REF. NO.	IC9202																
MODE	1	2	3	4	5	6	7	8									
STOP	1.4	1.2	0.3	0	0.9	1.4	0.2	4.6									
REC	1.4	1.2	0.3	0	0.9	1.4	0.2	4.6									
REF. NO.	IC9203																
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14			
STOP	1.2	1.2	1.2	4.6	1.1	1.1	1.7	1.0	1.0	1.0	0	0.2	0.2	0			
REC	1.2	1.2	1.2	4.6	1.1	1.1	1.7	1.0	1.0	1.0	0	0.2	0.2	0			
REF. NO.	IC9209								IC9212								
MODE	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	
STOP	−4.6	0	0	−4.6	0	0	0	4.6	4.6	2.7	2.5	2.2	0	2.7	0	2.2	
REC	−4.6	0	0	−4.6	0	0	0	4.6	4.6	2.7	2.5	2.2	0	2.8	0	2.2	
REF. NO.	IC9222																
MODE	1	2	3	4	5	6	7	8									
STOP	4.6	2.7	2.5	2.4	0	2.7	0	2.5									
REC	4.6	2.7	2.5	2.4	0	2.7	0	2.5									
REF. NO.	Q9101			Q9102			Q9103						Q9104			Q9107		
MODE	E	C	B	E	C	B	1	2	3	4	5	6	E	C	B	E	C	B
STOP	4.6	0.2	4.5	2.0	−4.6	1.4	4.6	1.2	1.7	−4.6	1.7	1.2	−0.7	0.6	0	−0.7	4.6	0
REC	4.6	0.2	4.5	2.0	−4.6	1.4	4.6	1.2	1.7	−4.6	1.7	1.2	−0.7	0.6	0	−0.7	4.6	0
REF. NO.	Q9108			Q9109			Q9110			Q9118			Q9119			Q9134		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	S	G	D	E	C	B
STOP	2.5	0	1.9	2.5	0	1.9	0	−4.7	−0.7	1.5	4.6	2.1	1.4	0	1.4	2.0	4.6	2.6
REC	2.5	0	1.9	2.5	0	1.9	0	−4.7	−0.7	1.5	4.6	2.1	1.4	0	1.4	2.0	4.6	2.6
REF. NO.	Q9202			Q9207														
MODE	E	C	B	E	C	B												
STOP	1.4	4.6	2.0	−0.7	4.6	0												
REC	1.4	4.6	2.0	−0.7	4.6	0												

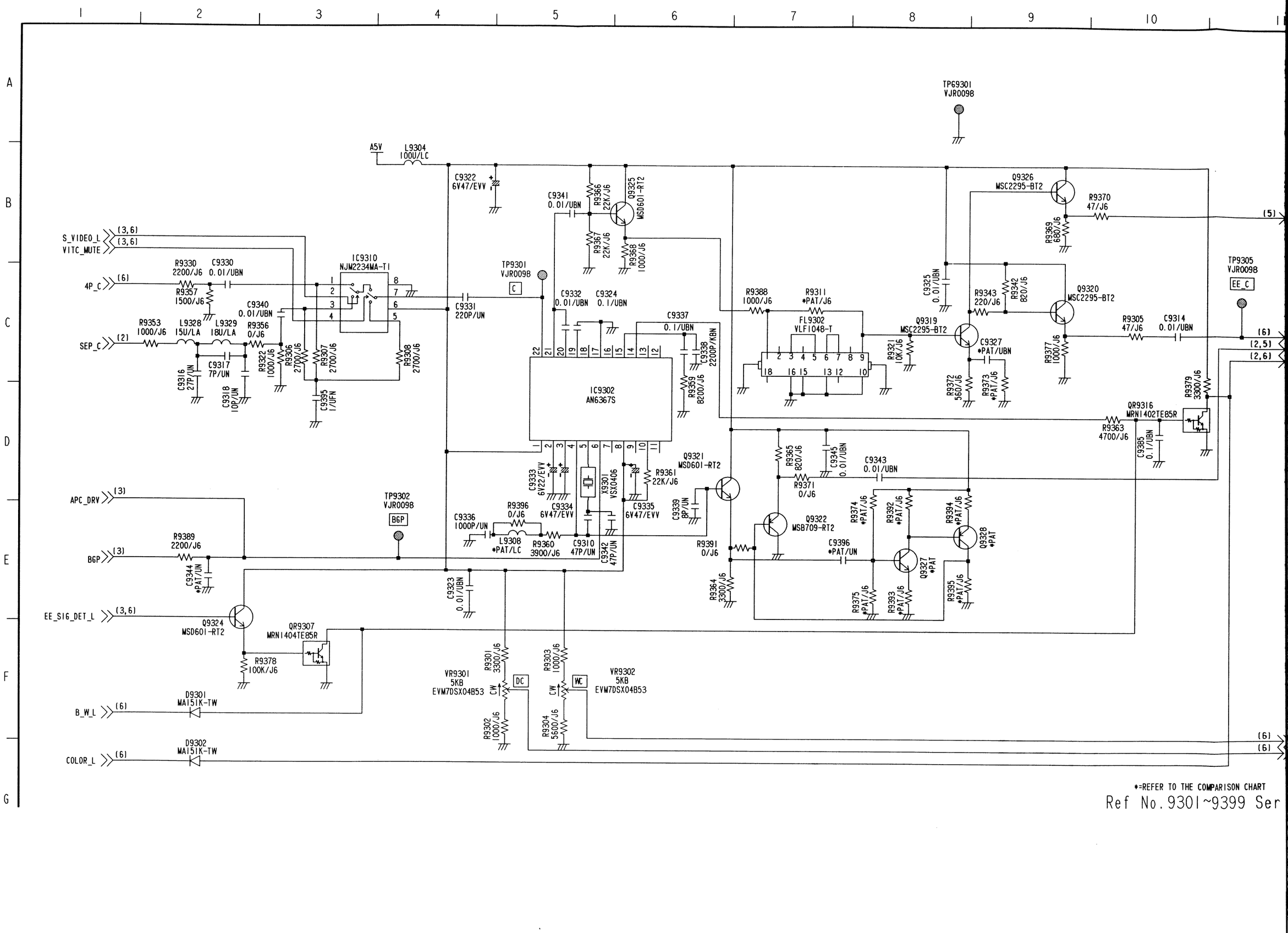
IC9115
AN3916



IC9212,9222
TK16031MTL

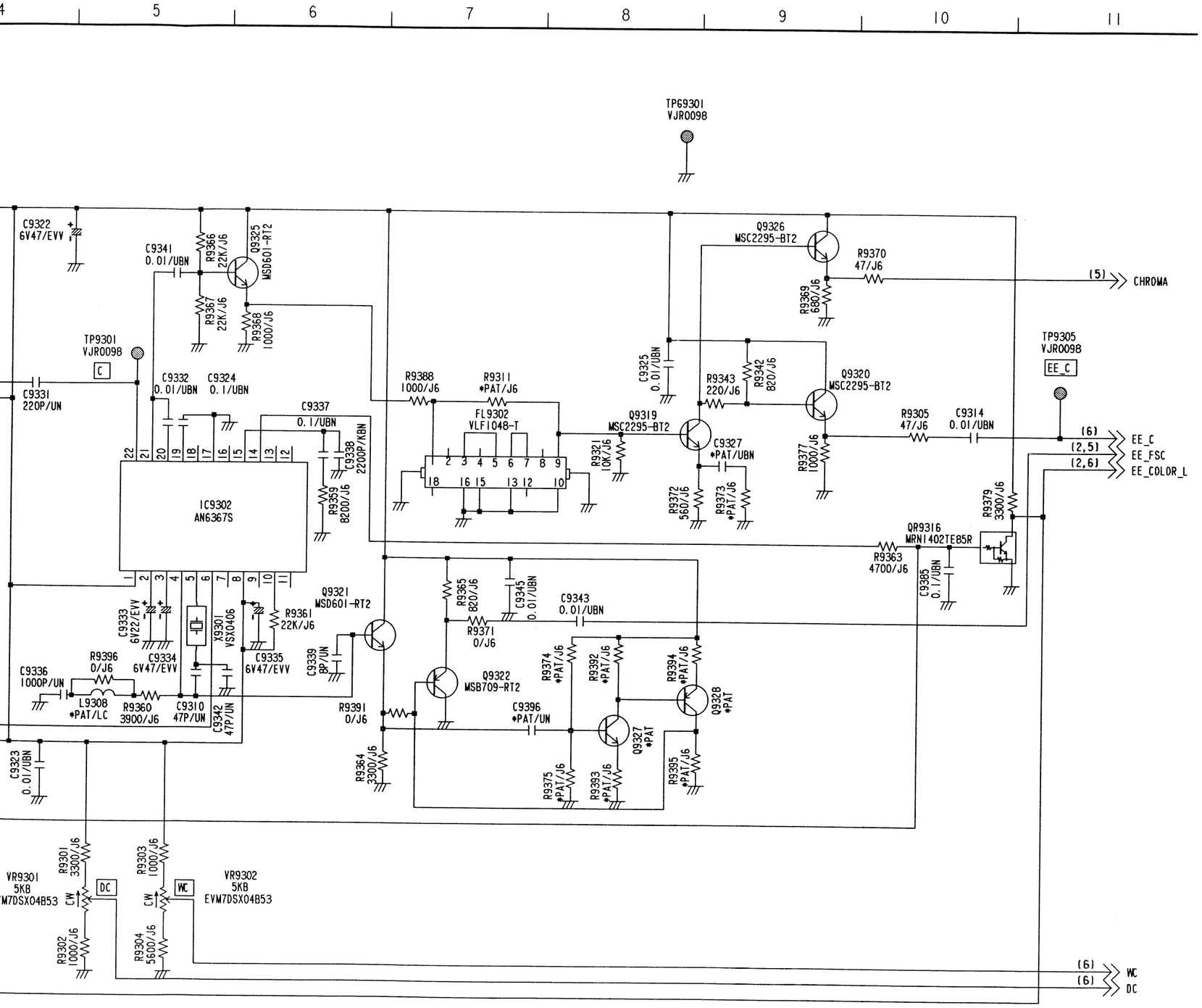


YC REC-4 SCHEMATIC DIAGRAM 4/6 (E13: AG-7700 0NLY/Page CBA-6)



*=REFER TO THE COMPARISON CHART

Ref No.9301~9399 Ser



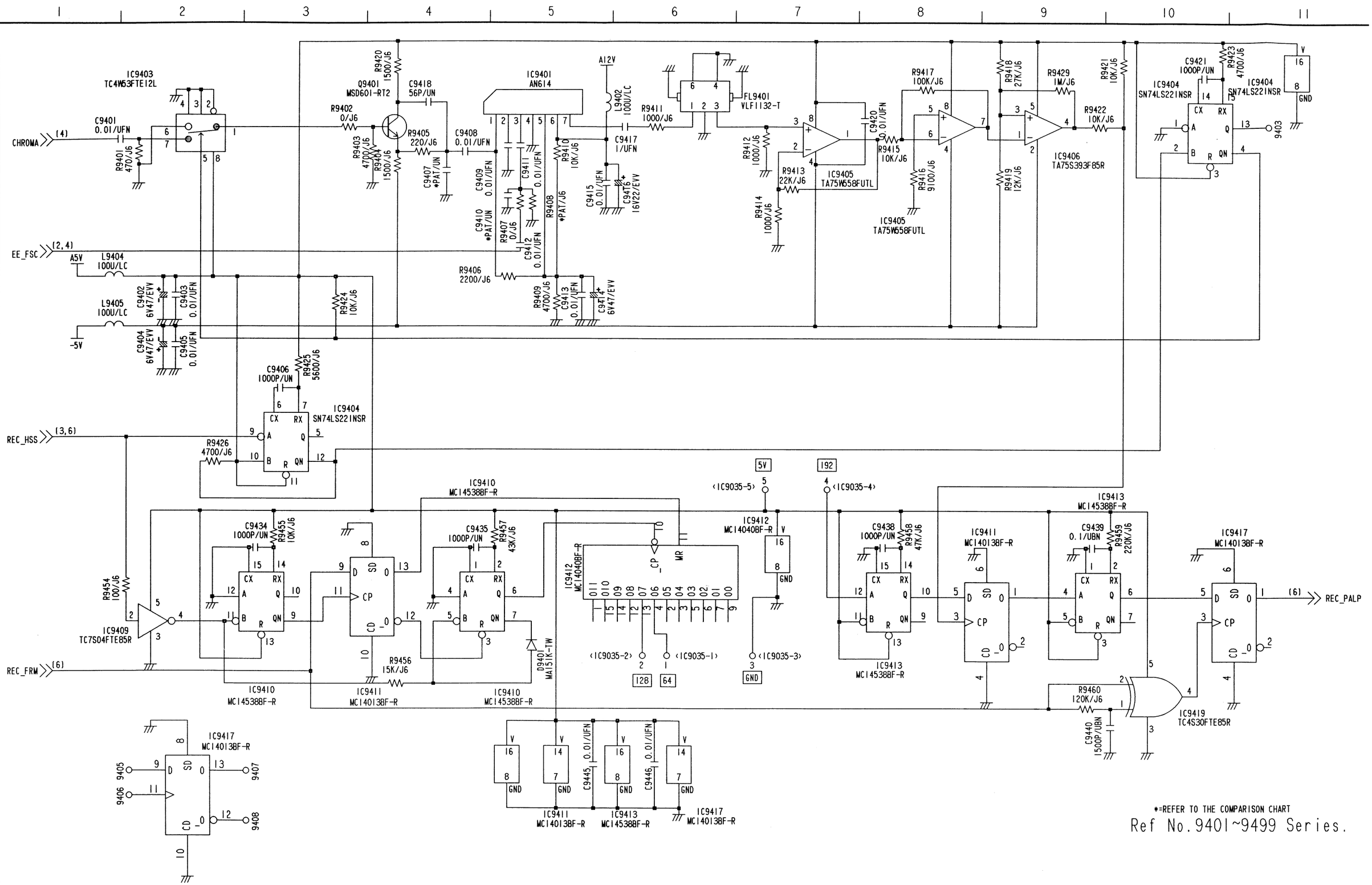
YC REC-4 DC VOLTAGE CHART

REF. NO.	IC9302									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	4.7	3.0	2.8	2.8	2.4	3.8	3.3	4.7	3.8	1.6
REC	4.7	3.0	3.0	2.8	2.4	3.8	3.3	4.7	3.8	1.6
REF. NO.	IC9302									
MODE	11	12	13	14	15	16	17	18	19	20
STOP	4.0	0	1.9	2.6	2.2	4.6	0	2.8	2.4	2.9
REC	4.0	0	2.0	2.6	2.2	4.6	0	2.8	2.4	2.9
REF. NO.	IC9302									
MODE	21	22								
STOP	3.3	2.9								
REC	3.3	2.9								
REF. NO.	IC9310									
MODE	1	2	3	4	5	6	7	8		
STOP	2.8	3.2	2.8	0	2.8	4.7	2.1	0		
REC	2.8	3.2	2.8	0.2	2.8	4.7	2.1	0		
REF. NO.	Q9319			Q9320			Q9321			
MODE	E	C	B	E	C	B	E	C	B	
STOP	0.8	3.2	1.5	2.8	4.7	3.5	2.2	4.7	2.8	
REC	0.8	3.2	1.5	2.8	4.7	3.5	2.2	4.7	2.8	
REF. NO.	Q9322			Q9324			Q9325			
MODE	E	C	B	E	C	B	E	C	B	
STOP	2.8	0	2.2	0	4.7	0	1.7	4.7	2.3	
REC	2.8	0	2.2	0	4.7	0	1.7	4.7	2.3	
REF. NO.	Q9326									
MODE	E	C	B							
STOP	2.4	4.7	3.2							
REC	2.4	4.7	3.2							
REF. NO.	QR9307			QR9316						
MODE	E	C	B	E	C	B				
STOP	0	2.2	0	0	0.1	2.2				
REC	0	2.2	0	0	0.1	2.2				

*=REFER TO THE COMPARISON CHART

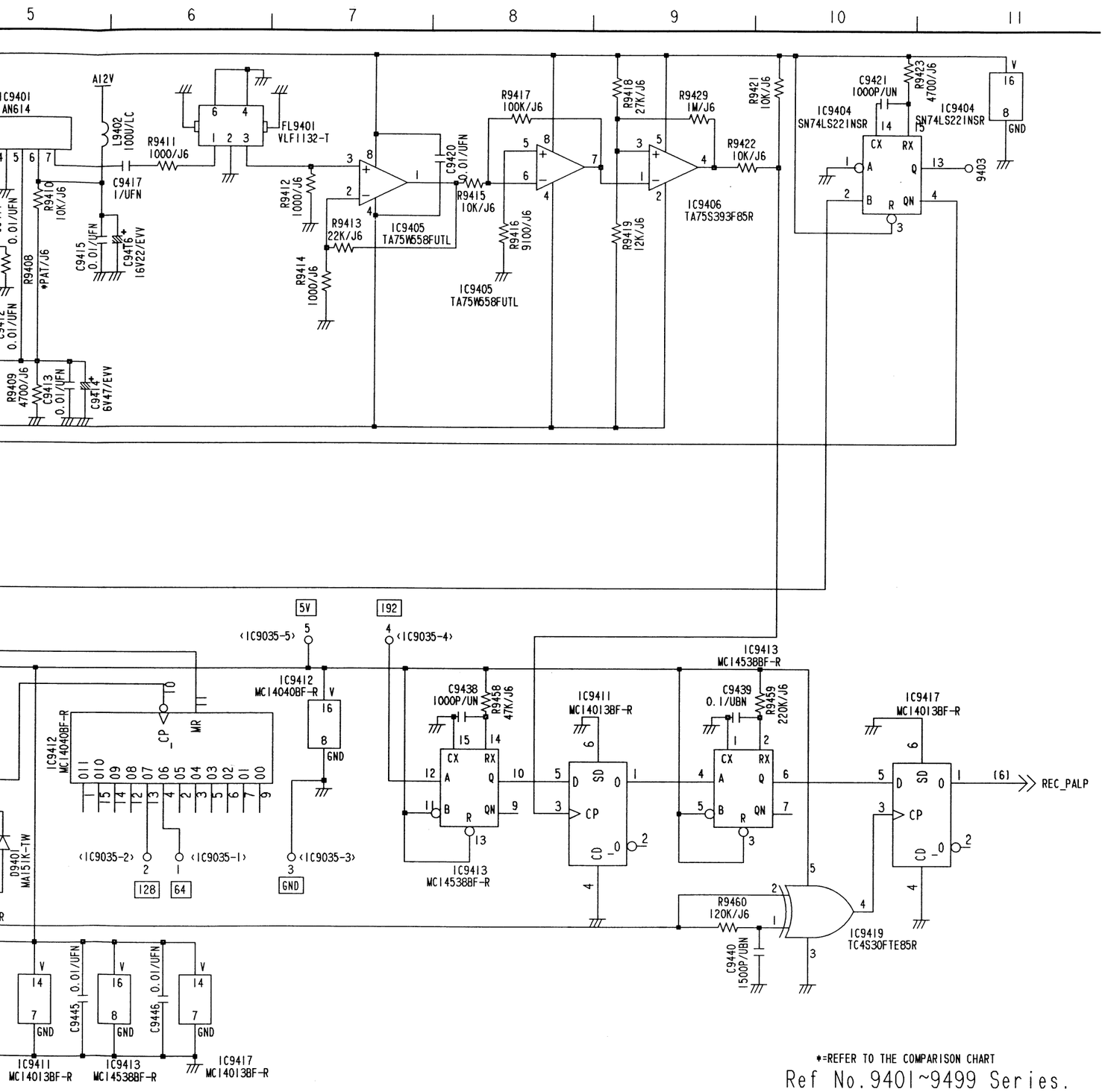
Ref No.9301~9399 Series.

YC REC-5 SCHEMATIC DIAGRAM 5/6 (E13: AG-7700 0NLY/Page CBA-6)



*=REFER TO THE COMPARISON CHART

Ref No.9401~9499 Series.



*=REFER TO THE COMPARISON CHART

Ref No.9401~9499 Series.

YC REC-5 DC VOLTAGE CHART

REF. NO.	IC9401										IC9403									
MODE	1	2	3	4	5	6	7				1	2	3	4	5	6	7	8		
STOP	3.7	4.2	4.2	0	3.8	11.4	7.7				0	0	0	0	4.4	0	0	4.8		
REC	3.7	4.2	4.2	0	3.8	11.4	7.7				0	0	0	0	4.4	0	0	4.8		

REF. NO.	IC9404																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
STOP	0	4.5	4.8	4.4	0.3	4.5	0.8	0	4.6	4.8	4.8	4.5	0.3	4.6	0.9	4.8				
REC	0	4.5	4.8	4.4	0.3	4.5	0.8	0	4.6	4.8	4.8	4.5	0.3	4.6	0.9	4.8				

REF. NO.	IC9405										IC9406									
MODE	1	2	3	4	5	6	7	8			1	2	3	4	5					
STOP	0	0	0	−4.9	0	0	0	4.8			0	−4.9	−1.8	−4.8	4.8					
REC	0	0	0	−4.9	0	0	0	4.8			0	−4.9	−1.8	−4.8	4.8					

REF. NO.	IC9409																			
MODE	1	2	3	4	5															
STOP	0	4.6	0	0.4	4.8															
REC	0	4.6	0	0.4	4.8															

REF. NO.	IC9410																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
STOP	0	3.4	2.4	0	0.3	1.8	3.0	0	3.8	1.1	0.4	0	4.8	3.8	0	4.8				
REC	0	3.4	2.4	0	0.3	1.8	3.0	0	3.8	1.1	0.4	0	4.8	3.7	0	4.8				

REF. NO.	IC9411																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
STOP	0	4.8	0.1	0	0	0	0	0	2.6	0	3.8	2.4	2.4	4.8						
REC	0	4.8	0.1	0	0	0	0	0	2.5	0	3.8	2.4	2.4	4.8						

REF. NO.	IC9412																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
STOP	0	1.2	1.2	1.0	1.2	1.2	1.2	0	1.2	1.8	2.4	0.4	1.0	0	0	4.8				
REC	0	1.2	1.2	1.0	1.2	1.2	1.2	0	1.2	1.8	2.4	0.4	1.0	0	0	4.8				

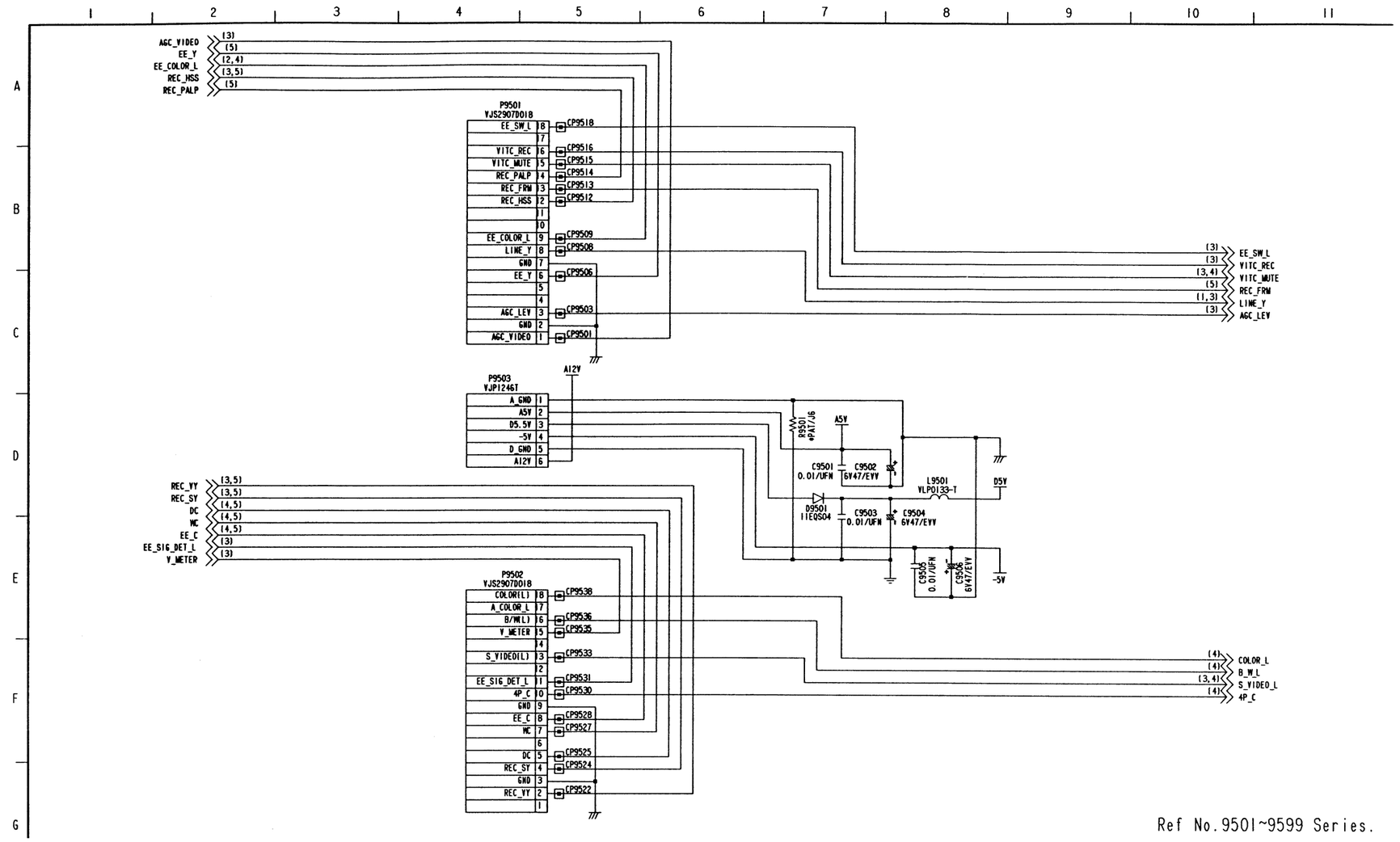
REF. NO.	IC9413																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
STOP	0	4.7	4.8	0	4.8	0	4.8	0	4.8	0	4.8	1.0	4.8	4.8	0	4.8				
REC	0	4.7	4.8	0	4.8	0	4.8	0	4.8	0	4.8	1.0	4.8	4.8	0	4.8				

REF. NO.	IC9417																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
STOP	2.4	2.4	0	0	3.6	0	0	0	0	0	0	4.8	0	4.8						
REC	2.4	2.4	0	0	3.6	0	0	0	0	0	0	4.8	0	4.8						

REF. NO.	IC9419																			
MODE	1	2	3	4	5															
STOP	0	2.5	0	0	4.8															
REC	0	2.5	0	0	4.8															

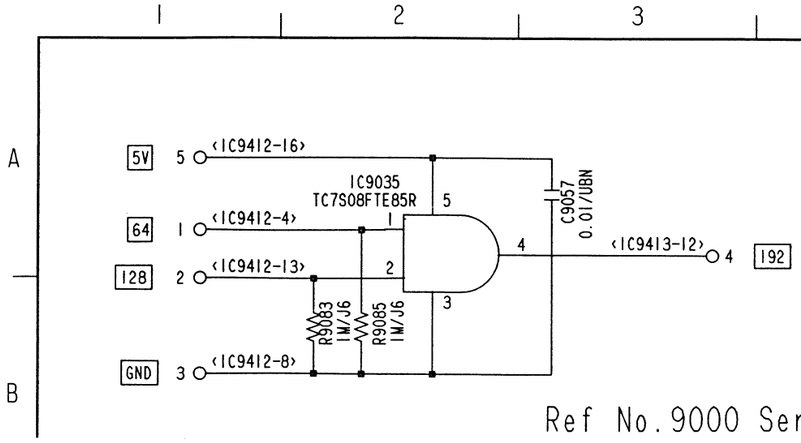
REF. NO.	Q9401																			
MODE	E	C	B																	
STOP	−0.7	0.7	0																	
REC	−0.7	0.7	0																	

YC REC-6 SCHEMATIC DIAGRAM 6/6 (E13: AG-7700 0NLY/Page CBA-6)



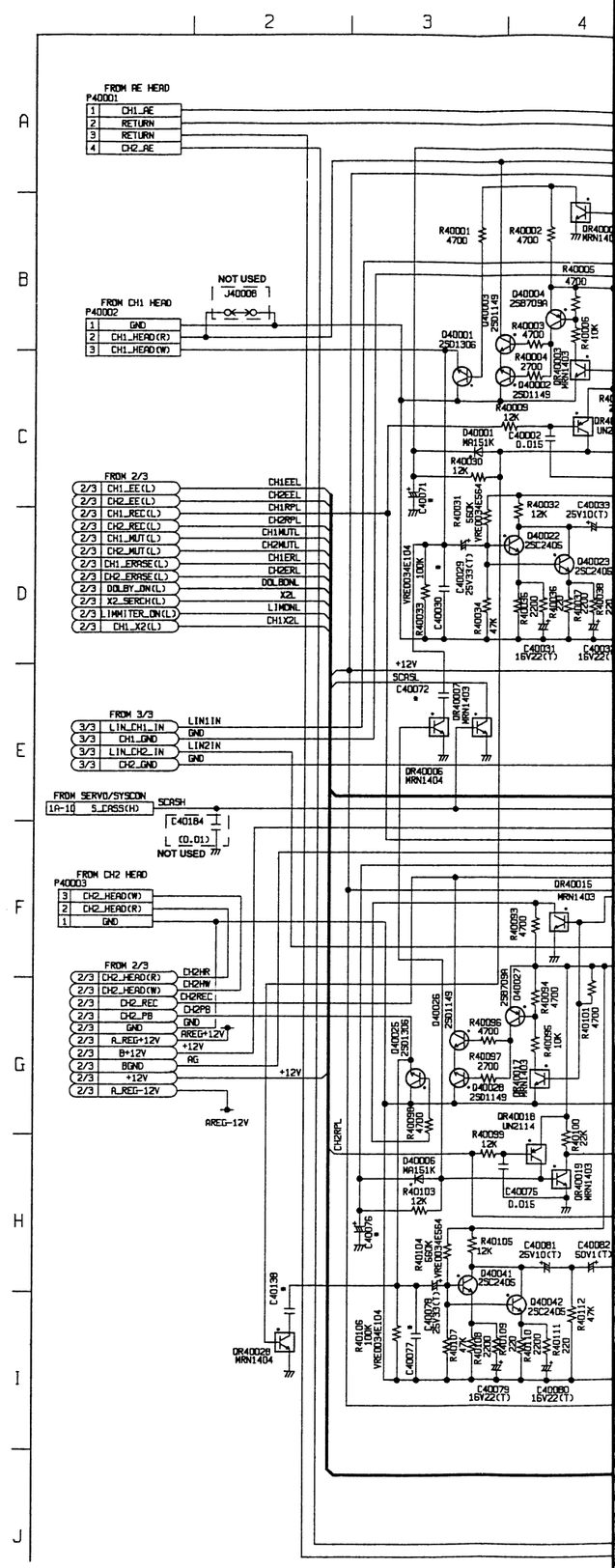
Ref No.9501~9599 Series.

CF SUB SCHEMATIC DIAGRAM (E102: AG-7700 0NLY/Page CBA-0)

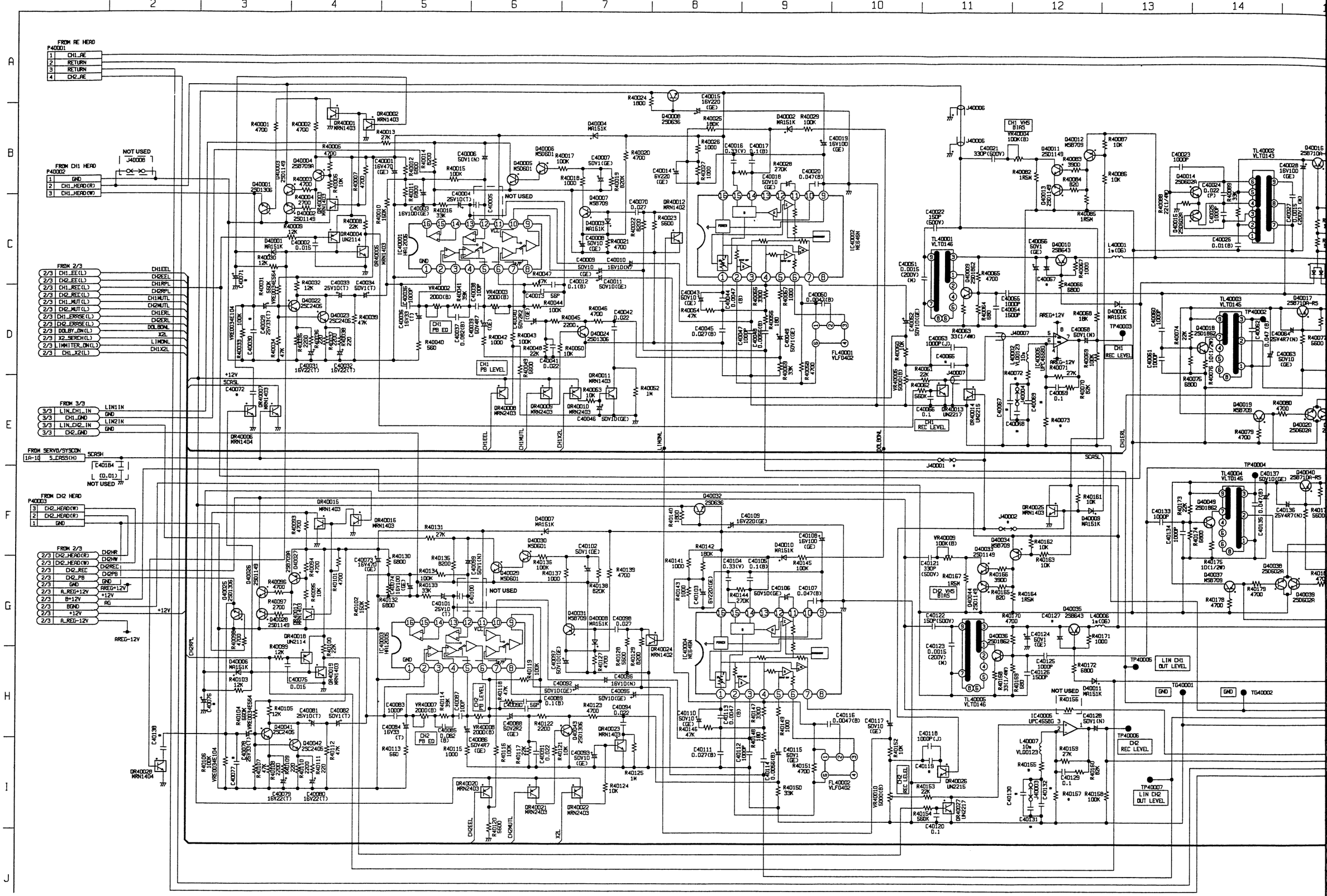


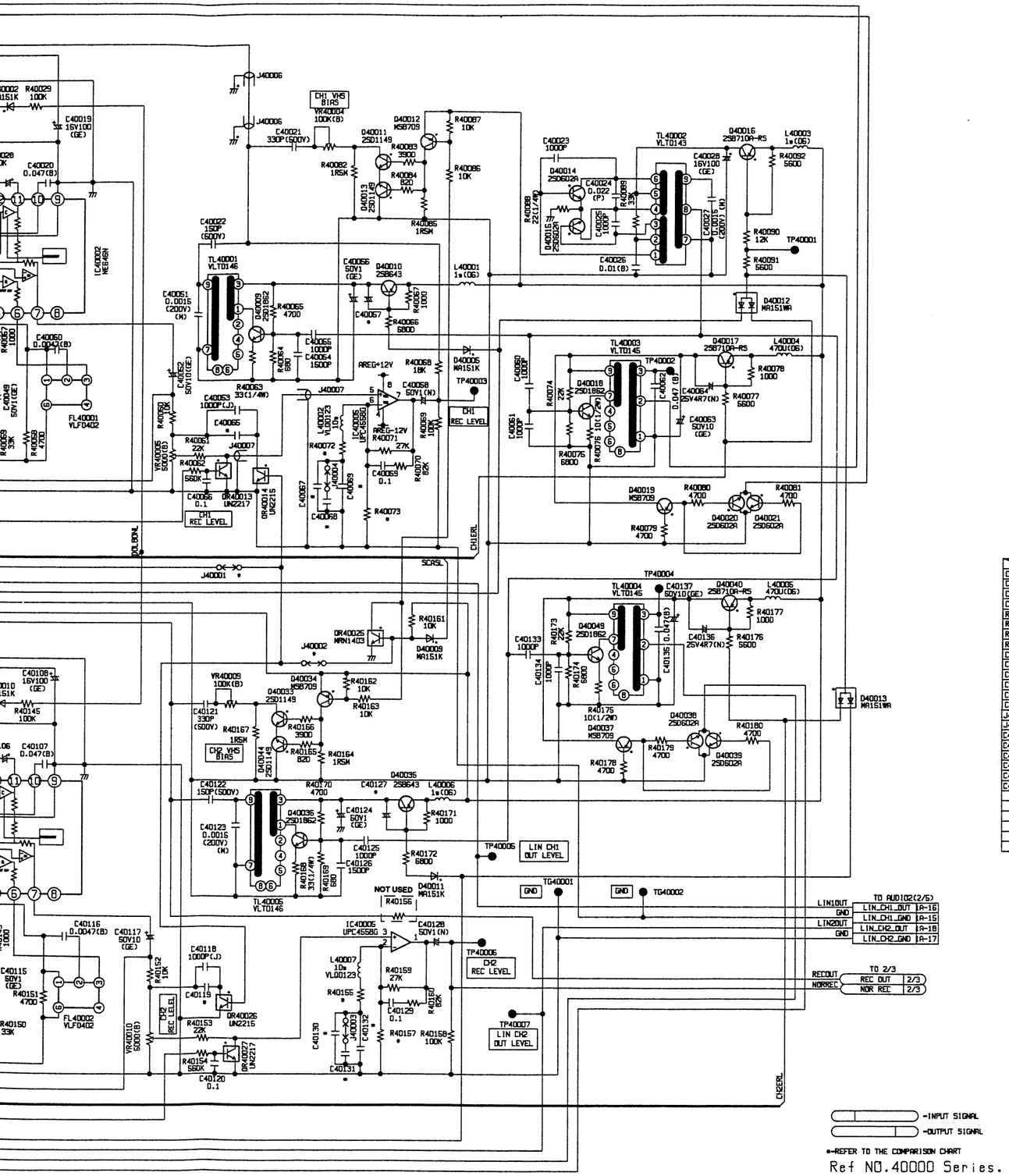
Ref No.9000 Series.

AUDIO (1) LINER (AG-7700) SCHEMAT


FROM RE HEAD
P40001
CH1_RE
RETURN
RETURN
CH2_RE
NOT USED
J40008
FROM CH1 HEAD
P40002
GND
CH1_HEAD(R)
CH1_HEAD(W)
FROM 2/3
CH1_EE(L)
CH2_EE(L)
CH1_REC(L)
CH2_REC(L)
CH1_MUT(L)
CH2_MUT(L)
CH1_ERASE(L)
CH2_ERASE(L)
DOLBY_ON(L)
X2_SERCH(L)
LIMITER_ON(L)
CH1_X2(L)
CH1EEL
CH2EEL
CH1RPL
CH2RPL
CH1MUTL
CH2MUTL
CH1ERL
CH2ERL
DOLBONL
X2L
LIMONL
CH1X2L
+12V
SCRSL
C40072
FROM 3/3
LIN_CH1_IN
CH1_GND
LIN_CH2_IN
CH2_GND
LIN11N
GND
LIN21N
GND
FROM SERVO/SYSCON
1A-10 S_CASS(H)
SCRSH
C40184
L (0.01)
NOT USED
FROM CH2 HEAD
P40003
CH2_HEAD(W)
CH2_HEAD(R)
GND
FROM 2/3
CH2_HEAD(R)
CH2_HEAD(W)
CH2_REC
CH2_PB
GND
A_REG+12V
B+12V
BGND
+12V
A_REG-12V
CH2HR
CH2HW
CH2REC
CH2PB
GND
AREG+12V
+12V
AG
AREG-12V
CH2RPL
R40001 4700
R40002 4700
R40005 4700
R40003 4700
R40004 2700
R40009 12K
R40030 12K
R40031 680K
R40032 12K
R40033 100K
R40034 47K
R40035 2200
R40036 2200
R40037 2200
R40038 2200
R40039 2200
R40040 2200
R40041 2200
R40042 2200
R40043 2200
R40044 2200
R40045 2200
R40046 2200
R40047 2200
R40048 2200
R40049 2200
R40050 2200
R40051 2200
R40052 2200
R40053 2200
R40054 2200

AUDIO (1) LINER (AG-7700) SCHEMATIC DIAGRAM 1/3 (E7: Page CBA-9)



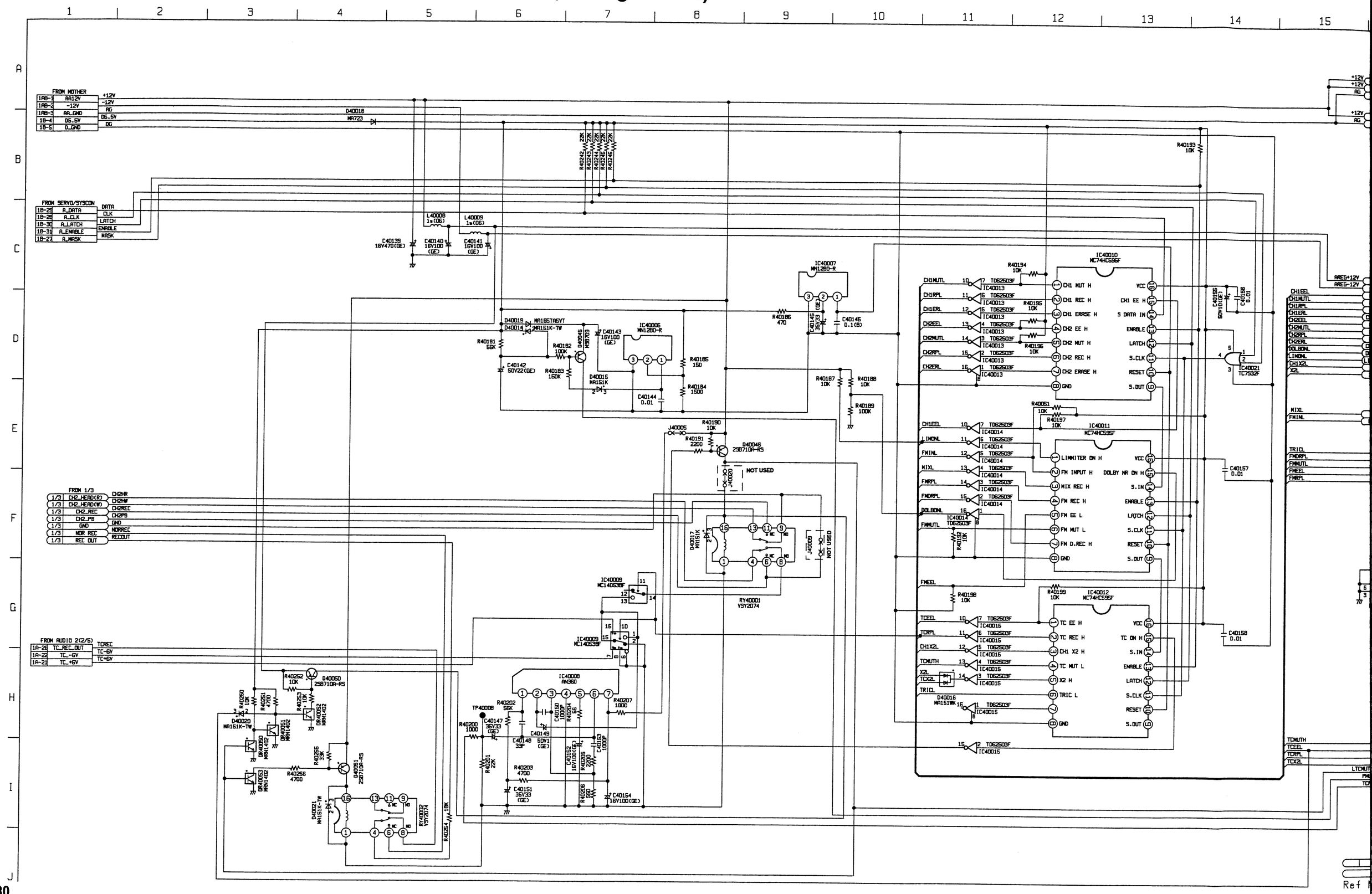


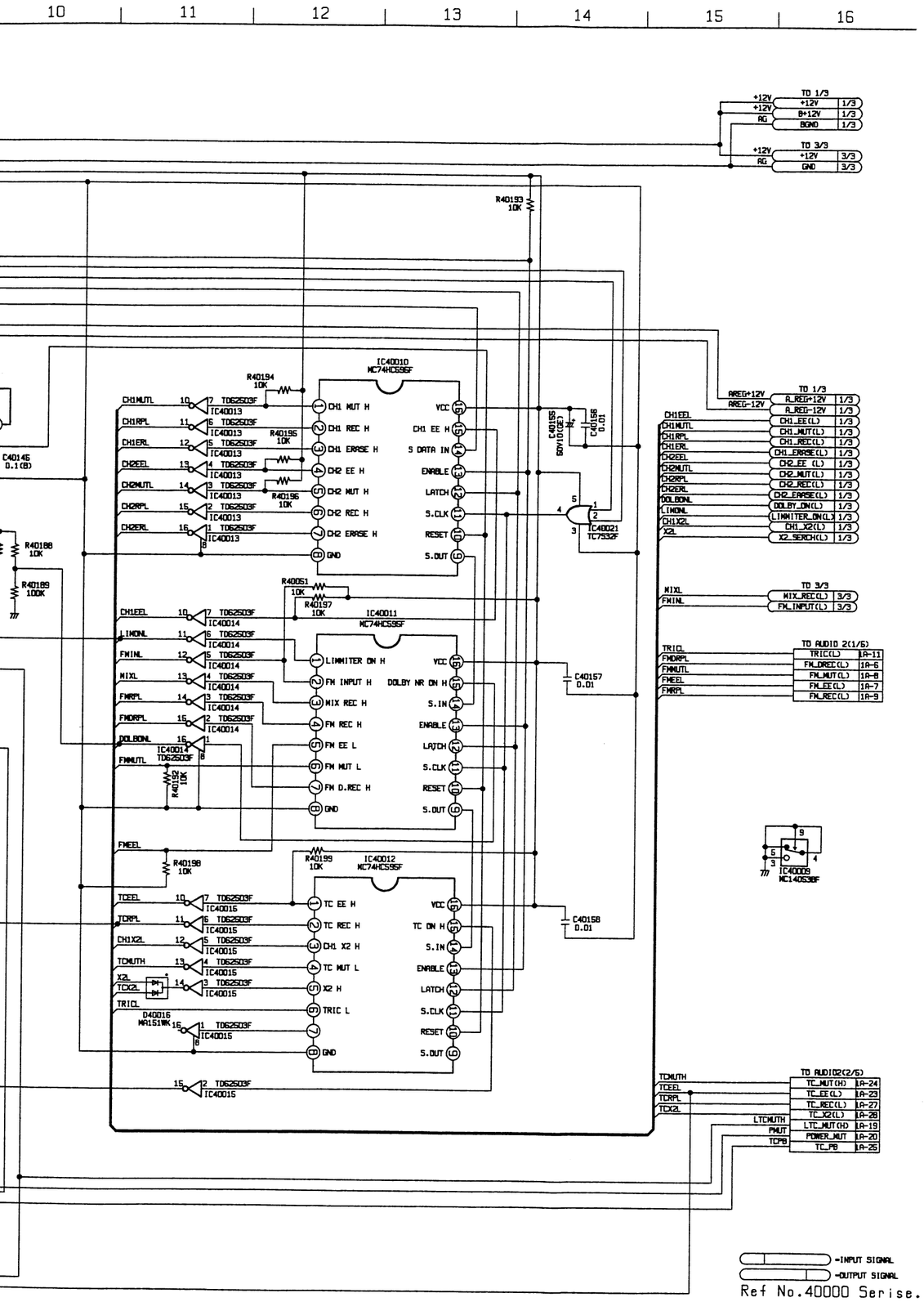
	AG-7700
C40030	1800P
C40077	1800P
C40069	0.015(B)
C40132	0.015(B)
R40072	82
R40155	82
R40073	1800
R40157	1800
C40065	2200P(B)
C40119	2200P(B)
C40068	1500P
C40131	1500P
C40071	50V2R2(CE)
C40076	50V2R2(CE)
J40001	0
J40002	———
C40067	EDKF1H222K0
C40130	EDKF1H222K0
C40057	50V2R2(N)
C40127	50V2R2(N)
C40072	2200P(B)
C40138	2200P(B)

AUDIO (1) LINER DC VOLTAGE CHART

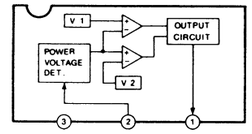
REF. NO.	IC40001																	
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
STOP	0	4.8	4.9	4.9	4.9	4.9	10.3	4.9	4.9	4.9	9.8	4.8	4.9	−0.1	−0.2	8.9		
REC	0	4.8	4.9	4.9	4.9	4.9	10.3	4.9	4.9	4.9	9.8	4.8	4.9	0	0	8.9		
REF. NO.	IC40002																	
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
STOP	5.3	5.3	5.4	5.3	5.3	5.3	5.1	0	0	5.3	5.4	5.3	0	8.1	7.9	10.6		
REC	5.3	5.3	5.4	5.3	5.2	5.3	5.1	0	0	5.3	5.4	5.3	0	8.1	7.9	10.6		
REF. NO.	IC40003																	
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
STOP	0	4.8	4.9	4.9	4.9	4.9	10.3	4.9	4.9	4.9	9.8	4.9	4.9	−0.1	−0.1	8.9		
REC	0	4.8	4.9	4.9	4.9	4.9	10.3	4.9	4.9	4.9	9.8	4.9	4.9	0	0	8.9		
REF. NO.	IC40004																	
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
STOP	5.3	5.3	5.4	5.3	5.3	5.3	5.1	0	0	5.3	5.4	5.3	0	8.1	7.9	0		
REC	5.3	5.3	5.4	5.3	5.2	5.3	5.1	0	0	5.3	5.4	5.3	0	8.1	7.9	10.6		
REF. NO.	IC40005																	
MODE	1	2	3	4	5	6	7	8										
STOP	0.1	0	0	−12.1	0	0	0.1	11.5										
REC	0	0	0	−12.1	0	0	0	11.5										
REF. NO.	Q40001			Q40002			Q40003			Q40004			Q40005			Q40006		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	0	0	0	0	0	0.7	0	0	0.7	9.9	9.9	9.2	0	0	0	0	0.1	0
REC	0	0	0.7	−8.4	0	−25.6	−8.3	0	−26.2	9.9	−25.6	9.9	0	0	0	0	0.3	0
REF. NO.	Q40007			Q40008			Q40009			Q40010			Q40011			Q40012		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	5.3	0	4.7	10.6	11.6	11.3	0	0	0	11.6	0	11.6	0.2	0	0	11.6	0	11.6
REC	5.3	0	4.7	10.6	11.5	11.3	0.8	10.9	1.3	11.1	11.0	10.4	−4.1	1.2	−5.7	11.5	−6.1	11.5
REF. NO.	Q40013			Q40014			Q40015			Q40016			Q40017			Q40018		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	0.2	0	0	0	0.3	0.3	0	0.3	0.3	11.6	0.3	11.6	11.6	0	11.6	0	0	0
REC	−4.1	0	−5.7	0.3	11.2	0.1	0.3	11.2	0.1	11.3	11.2	10.6	11.0	10.8	10.3	0.6	10.7	1.0
REF. NO.	Q40019			Q40020			Q40021			Q40022			Q40023			Q40024		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	−0.2	0	0	0	0	−0.1	0	0	0	0.2	7.8	0.7	0.2	7.8	0.7	0	0	0
REC	10.8	10.8	10.1	0	0	0.4	0	0	0.4	0.2	7.7	0.7	0.2	7.7	0.7	0	0	−0.1
REF. NO.	Q40025			Q40026			Q40027			Q40028			Q40029			Q40030		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	0	0	0	0	0	0.7	9.8	9.8	9.1	0	0	0.7	0	0	0	0	0	0
REC	0	0	0.7	−8.9	−0.7	−26.4	9.8	−22.5	9.8	−8.9	0	−25.8	0	0	0	0	0	0
REF. NO.	Q40031			Q40032			Q40033			Q40034			Q40035			Q40036		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	5.3	0	4.7	10.6	11.6	11.3	0	0	0	11.6	0	11.6	11.6	0	11.6	0	0	0
REC	5.3	0	4.6	10.6	11.6	11.3	−4.3	2.1	−5.9	11.5	−5.8	11.5	11.1	11.0	10.4	0.8	10.9	1.3
REF. NO.	Q40037			Q40038			Q40039			Q40040			Q40041			Q40042		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	−0.1	0	0	0	0	−0.1	0	0	−0.1	11.6	0	11.6	0.2	7.7	0.7	0.2	7.7	0.7
REC	10.8	10.8	10.1	0	0	0.3	0	0	0.3	11.0	10.8	10.2	0.2	7.7	0.7	0.2	7.7	0.7
REF. NO.	Q40043			Q40044			Q40049											
MODE	E	C	B	E	C	B	E	C	B									
STOP	0	0	−0.1	0.3	0	0	0	0	0									
REC	0	0	−0.1	−4.3	0	−5.8	0.7	10.7	1.0									
REF. NO.	QR40001			QR40002			QR40003			QR40004			QR40005			QR40006		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	0	0	6.9	0	6.9	0	0	0	6.9	9.8	0	10.9	0	9.5	0	0	0	0
REC	0	5.3	0	0	0	9.2	0	9.8	0	9.8	9.8	4.7	0	0	9.8	0	0	9.8
REF. NO.	QR40007			QR40008			QR40009			QR40010			QR40011			QR40012		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	0	0	2.9	11.6	11.6	0	11.6	−0.1	11.6	11.6	0	11.6	0	0	0	0	0	0
REC	0	0	2.9	11.5	11.5	0	11.5	0	11.5	11.5	0	11.5	0	0	0	0	0	0
REF. NO.	QR40013			QR40014			QR40015			QR40016			QR40017			QR40018		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	0	0	0.9	0	0	0.7	0	0	6.9	0	6.9	0	0	0	6.9	9.8	0	10.9
REC	0	0	0.3	0	0	0.6	0	5.2	0	0	0	9.2	0	9.8	0	9.8	9.8	4.9
REF. NO.	QR40019			QR40020			QR40021			QR40022			QR40023			QR40024		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	0	9.5	0	11.6	11.6	0	11.6	0	11.5	11.6	0	11.5	0	0	0	0	0	0
REC	0	0	9.8	11.5	11.5	0	11.5	0	11.5	11.5	0	11.5	0	0	0	0	0	0
REF. NO.	QR40025			QR40026			QR40027			QR40028								
MODE	E	C	B	E	C	B	E	C	B	E	C	B						
STOP	0	11.6	0.7	0	0	2.9	0	0	0.9	0	0	0						
REC	0	11.5	0.7	0	0	2.9	0	0	0	0	0	9.8						

AUDIO (1) CONTROL (AG-7700) SCHEMATIC DIAGRAM 2/3 (E7: Page CBA-9)

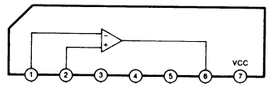




IC40006,40007
MN1280-R



IC40008
AN360



AUDIO (1) CONTROL DC VOLTAGE CHART

REF. NO.	IC40006					IC40007				
MODE	1	2	3			1	2	3		
STOP	4.7	4.7	0			5.1	5.1	0		
REC	4.7	4.7	0			5.1	5.1	0		

REF. NO.	IC40008									
MODE	1	2	3	4	5	6	7			
STOP	2.5	0.6	0.1	0	1.1	4.8	10.0			
REC	2.5	0.7	0.1	0	1.1	4.8	9.8			

REF. NO.	IC40009									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0.5	0	0	0	0	0	−6.2	0	0	5.5
REC	0	0	0	0	0	0	−6.2	0	0	0.1

REF. NO.	IC40009									
MODE	11	12	13	14	15	16				
STOP	5.5	0	0.1	0	0	6.0				
REC	0.1	0	0	0	0	5.9				

REF. NO.	IC40010									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0	0	0	5.1	0	0	0	0	0	5.2
REC	0	5.1	5.1	5.1	0	5.1	5.1	0	5.1	5.1

REF. NO.	IC40010									
MODE	11	12	13	14	15	16				
STOP	5.1	4.2	0	0.5	5.1	5.2				
REC	5.0	4.3	0	0.4	5.1	5.1				

REF. NO.	IC40011									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	5.1	0	0	0	0	5.2	0	0	0	5.2
REC	5.1	0	0	5.1	0	5.1	5.1	0	5.1	5.1

REF. NO.	IC40011									
MODE	11	12	13	14	15	16				
STOP	5.1	4.2	0	0	0	5.2				
REC	5.0	4.3	0	5.1	0	5.1				

REF. NO.	IC40012									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	5.1	0	0	0	0	5.2	0	0	0.1	5.2
REC	5.1	5.1	0	0	0	5.1	0	0	0.1	5.1

REF. NO.	IC40012									
MODE	11	12	13	14	15	16				
STOP	5.1	4.3	0	0	0	5.2				
REC	5.0	4.3	0	5.1	0	5.1				

REF. NO.	IC40013									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0	0	0	5.1	0	0	0	0	0	11.6
REC	5.1	5.1	0	5.1	5.1	5.1	0	0	0	11.5

REF. NO.	IC40013									
MODE	11	12	13	14	15	16				
STOP	11.1	11.6	0	11.6	11.1	11.6				
REC	0	0	0	11.5	0	0				

REF. NO.	IC40014									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0	0	0	0	0	5.2	5.2	0	0	0
REC	0	5.1	5.1	0	0	5.1	5.1	0	0	0

REF. NO.	IC40014									
MODE	11	12	13	14	15	16				
STOP	0	9.9	9.9	11.7	3.7	10.3				
REC	0	9.8	9.7	0	0.1	10.2				

REF. NO.	IC40015									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0	0	0	0	0	0	5.2	0	0	0
REC	0	0	0	0	0	5.1	5.1	0	0.1	0

REF. NO.	IC40015									
MODE	11	12	13	14	15	16				
STOP	5.5	11.6	0.7	11.3	11.6	0.1				
REC	0.1	11.5	0.7	11.2	11.5	0.3				

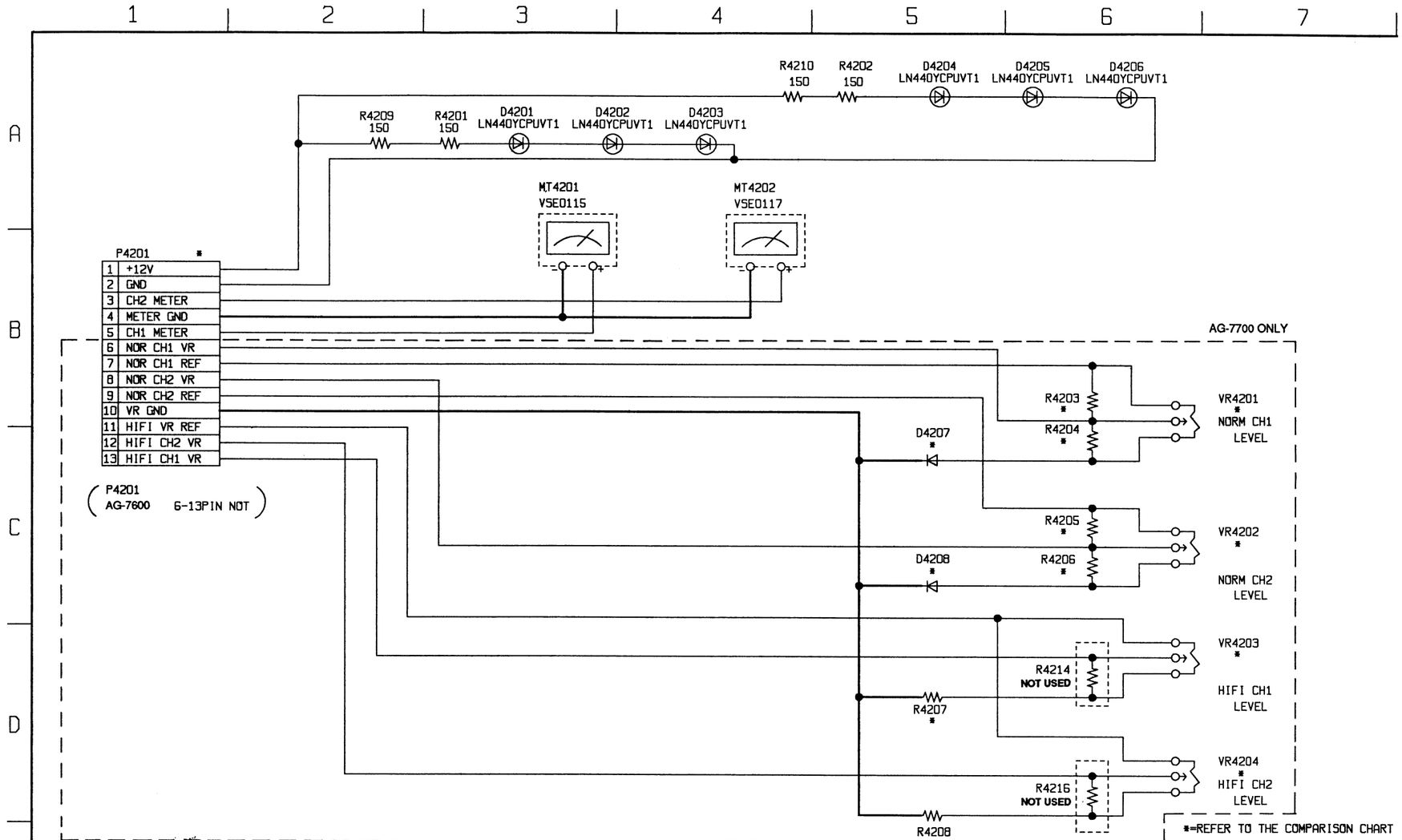
REF. NO.	IC40021									
MODE	1	2	3	4	5					
STOP	4.8	4.7	0	5.1	5.2					
REC	4.8	4.7	0	5.1	5.1					

REF. NO.	Q40045			Q40046						
MODE	E	C	B	E	C	B				
STOP	5.1	−0.1	5.0	11.6	0	11.6				
REC	5.1	−0.2	5.0	11.5	0	11.5				

AUDIO METER SCHEMATIC DIAGRAM (E21)

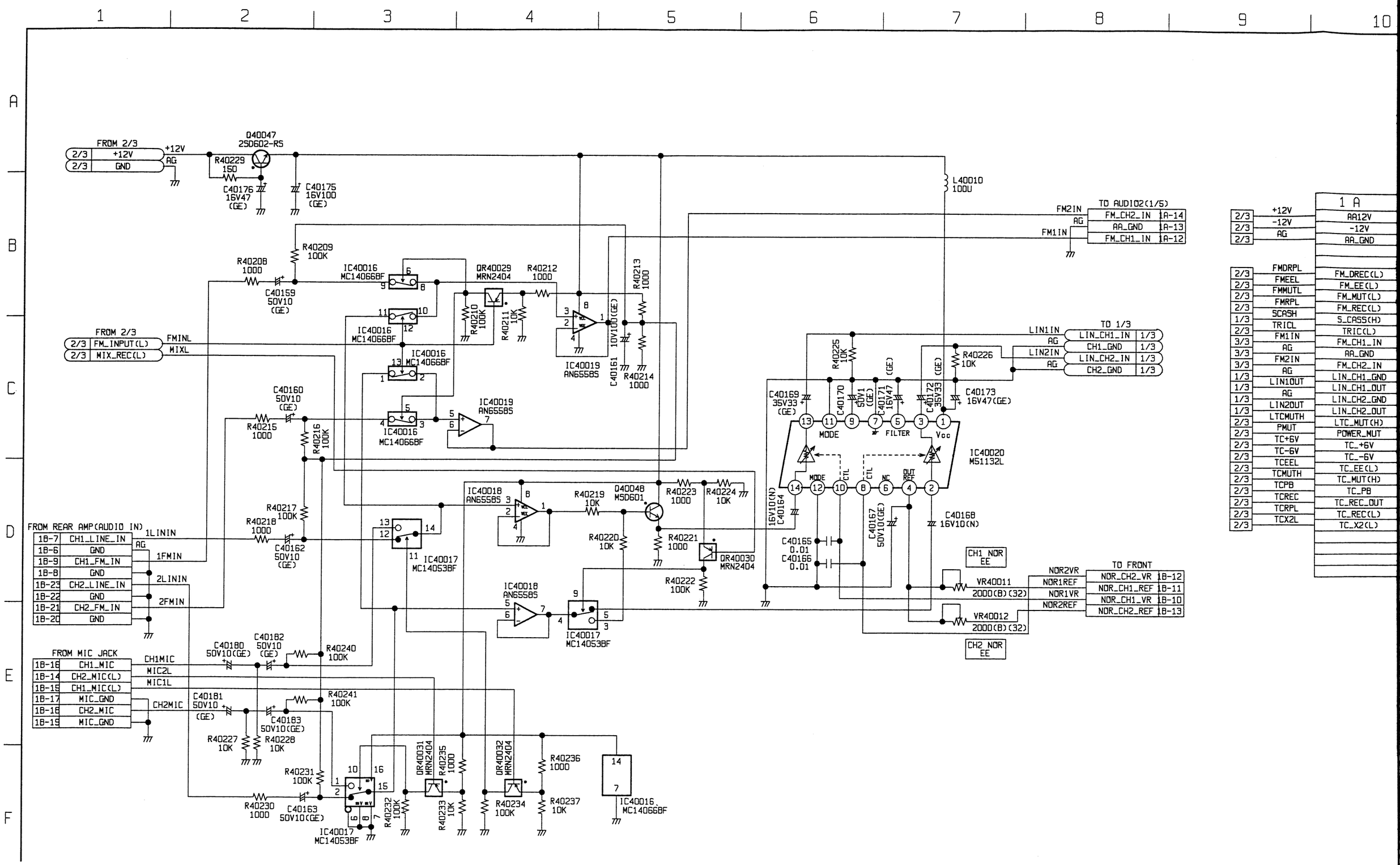
AUDIO (1) CONTROL DC VOLTAGE CHART

REF. NO.	IC40006					IC40007				
MODE	1	2	3			1	2	3		
STOP	4.7	4.7	0			5.1	5.1	0		
REC	4.7	4.7	0			5.1	5.1	0		
REF. NO.	IC40008									
MODE	1	2	3	4	5	6	7			
STOP	2.5	0.6	0.1	0	1.1	4.8	10.0			
REC	2.5	0.7	0.1	0	1.1	4.8	9.8			
REF. NO.	IC40009									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0.5	0	0	0	0	0	−6.2	0	0	5.5
REC	0	0	0	0	0	0	−6.2	0	0	0.1
REF. NO.	IC40009									
MODE	11	12	13	14	15	16				
STOP	5.5	0	0.1	0	0	6.0				
REC	0.1	0	0	0	0	5.9				
REF. NO.	IC40010									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0	0	0	5.1	0	0	0	0	0	5.2
REC	0	5.1	5.1	5.1	0	5.1	5.1	0	5.1	5.1
REF. NO.	IC40010									
MODE	11	12	13	14	15	16				
STOP	5.1	4.2	0	0.5	5.1	5.2				
REC	5.0	4.3	0	0.4	5.1	5.1				
REF. NO.	IC40011									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	5.1	0	0	0	0	5.2	0	0	0	5.2
REC	5.1	0	0	5.1	0	5.1	5.1	0	5.1	5.1
REF. NO.	IC40011									
MODE	11	12	13	14	15	16				
STOP	5.1	4.2	0	0	0	5.2				
REC	5.0	4.3	0	5.1	0	5.1				
REF. NO.	IC40012									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	5.1	0	0	0	0	5.2	0	0	0.1	5.2
REC	5.1	5.1	0	0	0	5.1	0	0	0.1	5.1
REF. NO.	IC40012									
MODE	11	12	13	14	15	16				
STOP	5.1	4.3	0	0	0	5.2				
REC	5.0	4.3	0	5.1	0	5.1				
REF. NO.	IC40013									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0	0	0	5.1	0	0	0	0	0	11.6
REC	5.1	5.1	0	5.1	5.1	5.1	0	0	0	11.5
REF. NO.	IC40013									
MODE	11	12	13	14	15	16				
STOP	11.1	11.6	0	11.6	11.1	11.6				
REC	0	0	0	11.5	0	0				
REF. NO.	IC40014									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0	0	0	0	0	5.2	5.2	0	0	0
REC	0	5.1	5.1	0	0	5.1	5.1	0	0	0
REF. NO.	IC40014									
MODE	11	12	13	14	15	16				
STOP	0	9.9	9.9	11.7	3.7	10.3				
REC	0	9.8	9.7	0	0.1	10.2				
REF. NO.	IC40015									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0	0	0	0	0	0	5.2	0	0	0
REC	0	0	0	0	0	5.1	5.1	0	0.1	0
REF. NO.	IC40015									
MODE	11	12	13	14	15	16				
STOP	5.5	11.6	0.7	11.3	11.6	0.1				
REC	0.1	11.5	0.7	11.2	11.5	0.3				
REF. NO.	IC40021									
MODE	1	2	3	4	5					
STOP	4.8	4.7	0	5.1	5.2					
REC	4.8	4.7	0	5.1	5.1					
REF. NO.	Q40045			Q40046						
MODE	E	C	B	E	C	B				
STOP	5.1	−0.1	5.0	11.6	0	11.6				
REC	5.1	−0.2	5.0	11.5	0	11.5				

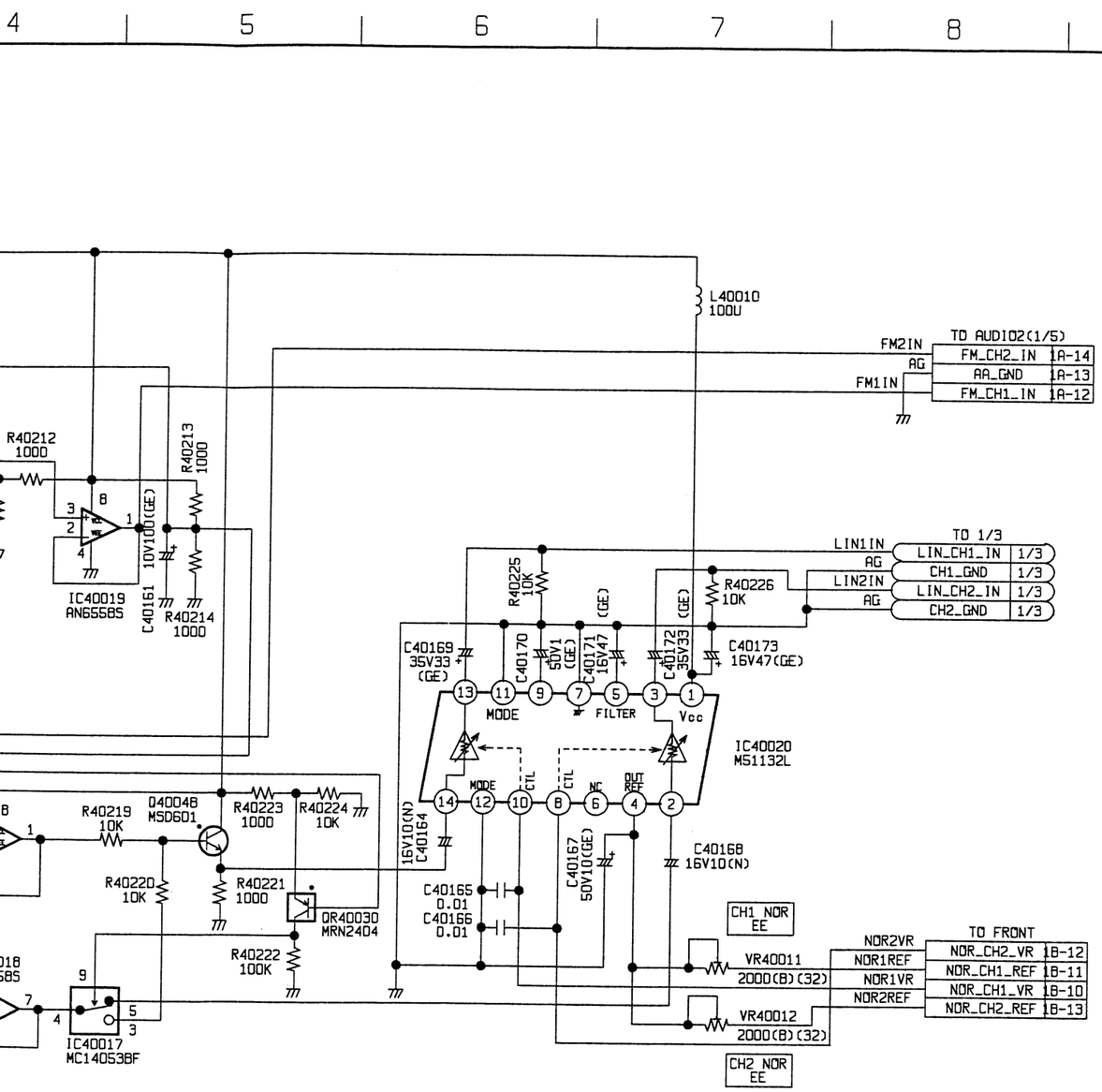


	AG-7700	AG-7600
D4207	MA165	———
D4208	MA165	———
P4201	VJP3081	VJP3529
R4203	220Ω	———
R4204	270Ω	———
R4205	220Ω	———
R4206	270Ω	———
R4207	510Ω(G)	———
R4208	510Ω(G)	———
VR4201	10KB	———
VR4202	10KB	———
VR4203	10KB	———
VR4204	10KB	———

AUDIO (1) INPUT (AG-7700) SCHEMATIC DIAGRAM 3/3 (E7: Page CBA-9)



(E7: Page CBA-9)



P40004

		1 A	No	1 B		
2/3	+12V	AA12V	1	AA12V	+12V	2/3
2/3	-12V	-12V	2	-12V	-12V	2/3
2/3	AG	AA_GND	3	AA_GND	AG	2/3
			4	D5.5V	D5.5V	2/3
			5	D_GND	DG	2/3
2/3	FMDRPL	FM_DREC(L)	6	GND	AG	3/3
2/3	FMEEL	FM_EE(L)	7	CH1_LINE_IN	1LININ	3/3
2/3	FMMUTL	FM_MUT(L)	8	GND	AG	3/3
2/3	FMRPL	FM_REC(L)	9	CH1_FM_IN	1FMIN	3/3
1/3	SCASH	S_CASS(H)	10	NOR_CH1_VR	NOR1VR	3/3
2/3	TRICL	TRIC(L)	11	NOR_CH1_REF	NOR1REF	3/3
3/3	FM1IN	FM_CH1_IN	12	NOR_CH2_VR	NOR2VR	3/3
3/3	AG	AA_GND	13	NOR_CH2_REF	NOR2REF	3/3
3/3	FM2IN	FM_CH2_IN	14	CH2_MIC(L)	MIC2L	3/3
1/3	AG	LIN_CH1_GND	15	CH1_MIC(L)	MIC1L	3/3
1/3	LIN1OUT	LIN_CH1_OUT	16	CH1_MIC	CH1MIC	3/3
1/3	AG	LIN_CH2_GND	17	MIC_GND	AG	3/3
1/3	LIN2OUT	LIN_CH2_OUT	18	CH2_MIC	CH2MIC	3/3
1/3	LTCMUTH	LTC_MUT(H)	19	MIC_GND	AG	3/3
2/3	PMUT	POWER_MUT	20	GND	AG	3/3
2/3	TC+6V	TC_+6V	21	CH2_FM_IN	2FMIN	3/3
2/3	TC-6V	TC_-6V	22	GND	AG	3/3
2/3	TCEEL	TC_EE(L)	23	CH2_LINE_IN	2LININ	3/3
2/3	TCMUTH	TC_MUT(H)	24			
2/3	TCPB	TC_PB	25			
2/3	TCREC	TC_REC_OUT	26			
2/3	TCRPL	TC_REC(L)	27	A_MASK	MASK	2/3
2/3	TCX2L	TC_X2(L)	28	A_CLK	CLK	2/3
			29	A_DATA	DATA	2/3
			30	A_LATCH	LATCH	2/3
			31	A_ENABLE	ENABLE	2/3
			32			

=INPUT SIGNAL

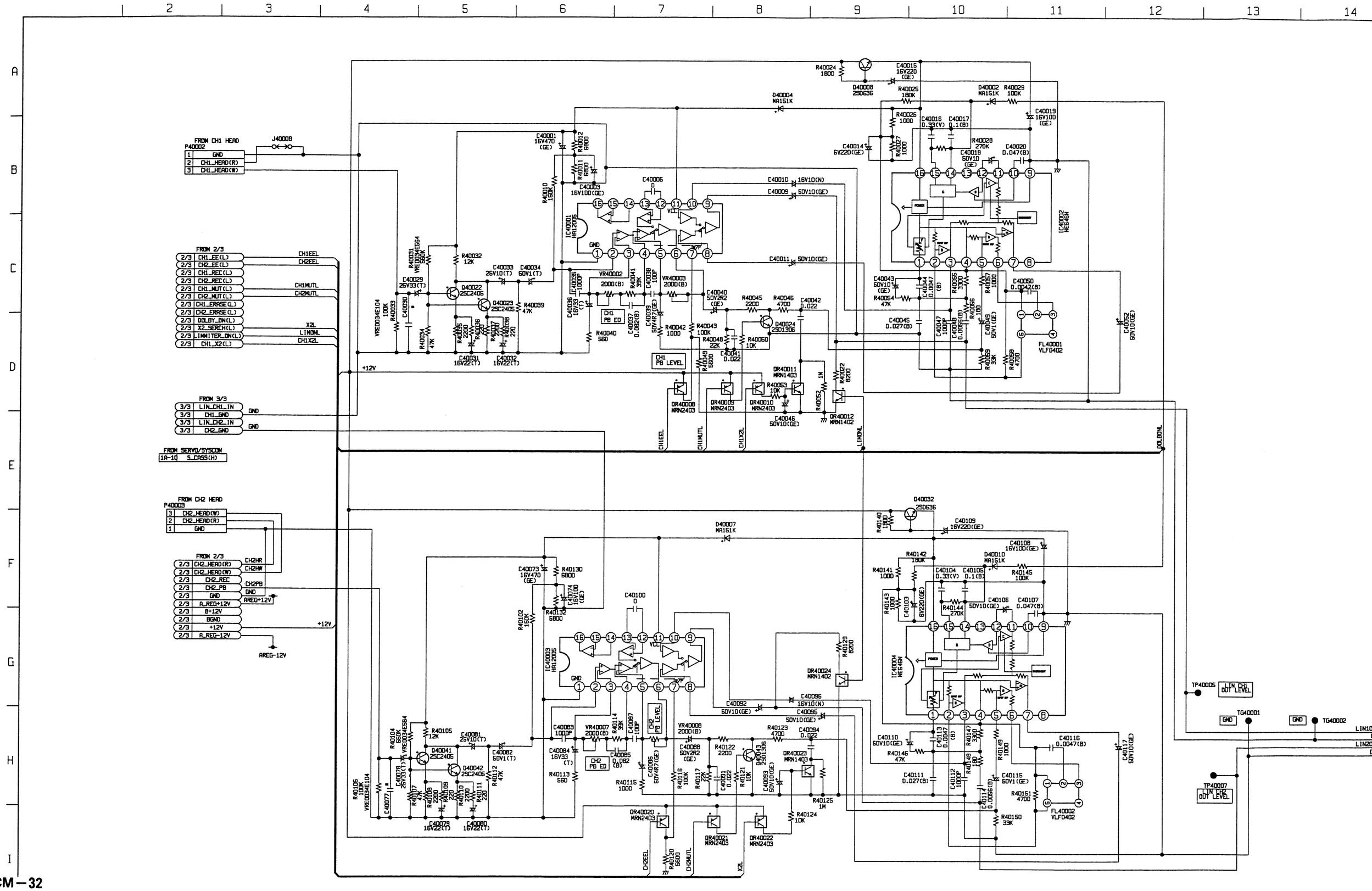
=OUTPUT SIGNAL

Ref No.40000 Serise.

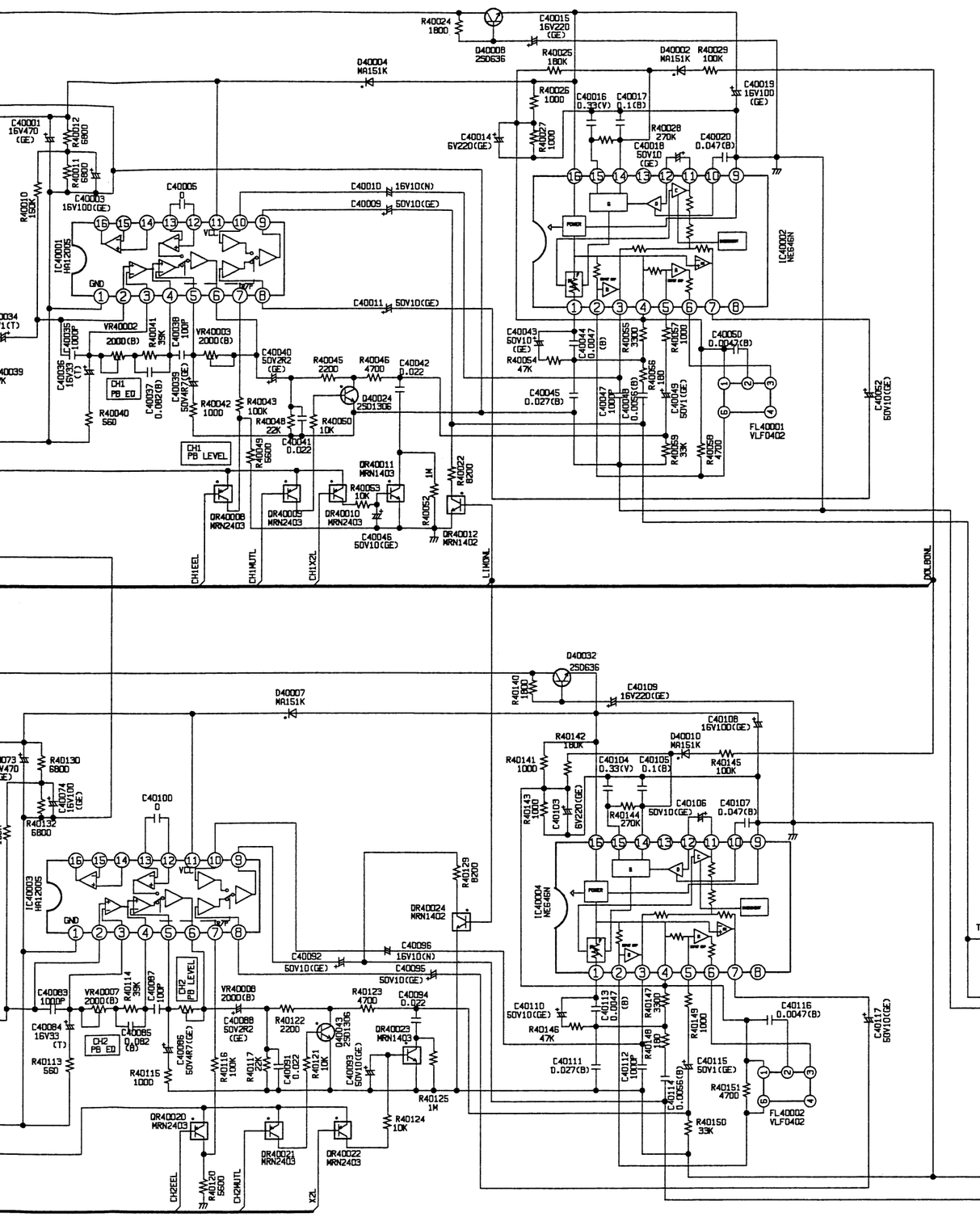
AUDIO (1) INPUT DC VOLTAGE CHART

REF. NO.	IC40016									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	5.6	5.6	5.6	5.4	0	0	0	5.6	5.4	5.6
REC	5.6	5.6	5.6	5.4	0	0	0	5.6	5.4	5.6
REF. NO.	IC40016									
MODE	11	12	13	14						
STOP	5.6	9.8	9.8	10.9						
REC	5.6	9.8	9.8	10.8						
REF. NO.	IC40017									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	5.4	5.6	5.5	5.7	5.7	5.6	0	0	0	0
REC	5.4	5.6	5.5	5.6	5.6	0	0	0	0	0
REF. NO.	IC40017									
MODE	11	12	13	14	15	16				
STOP	0	5.6	5.4	5.6	5.6	10.9				
REC	0	5.6	5.4	5.6	5.6	10.8				
REF. NO.	IC40018									
MODE	1	2	3	4	5	6	7	8		
STOP	5.7	5.7	5.6	0	5.6	5.7	5.7	10.9		
REC	5.6	5.6	5.6	0	5.6	5.6	5.6	10.8		
REF. NO.	IC40019									
MODE	1	2	3	4	5	6	7	8		
STOP	5.7	5.7	5.6	0	5.6	5.7	5.7	10.9		
REC	5.6	5.6	5.6	0	5.6	5.6	5.6	10.8		
REF. NO.	IC40020									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	10.8	4.8	4.3	5.5	10.7	0	0	2.7	0	2.7
REC	10.8	4.8	4.2	5.5	10.6	0	0	2.7	0	2.7
REF. NO.	IC40020									
MODE	11	12	13	14						
STOP	0	0	4.3	4.8						
REC	0	0	4.3	4.8						
REF. NO.	Q40047			Q40048						
MODE	E	C	B	E	C	B				
STOP	10.9	11.6	11.6	4.9	10.9	5.5				
REC	10.9	11.6	11.6	4.8	10.8	5.5				
REF. NO.	QR40029			QR40030			QR40031			
MODE	E	C	B	E	C	B	E	C	B	
STOP	9.9	0	9.8	9.9	0	9.8	9.9	0	9.8	
REC	9.9	0	9.8	9.8	0	9.7	9.8	0	9.8	
REF. NO.	QR40032									
MODE	E	C	B							
STOP	9.9	0	9.8							
REC	9.9	0	9.8							

AUDIO (1) LINER (AG-7600) SCHEMATIC DIAGRAM 1/3 (E7: Page CBA-9)



7: Page CBA-9)



AUDIO (1) LINER DC VOLTAGE CHART

REF. NO.	IC40001																	
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
STOP	0	4.8	4.9	4.9	4.9	4.9	10.3	4.9	4.9	4.9	9.8	4.8	4.9	−0.1	−0.2	8.9		
REC	0	4.8	4.9	4.9	4.9	4.9	10.3	4.9	4.9	4.9	9.8	4.8	4.9	0	0	8.9		
REF. NO.	IC40002																	
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
STOP	5.3	5.3	5.4	5.3	5.3	5.3	5.1	0	0	5.3	5.4	5.3	0	8.1	7.9	10.6		
REC	5.3	5.3	5.4	5.3	5.2	5.3	5.1	0	0	5.3	5.4	5.3	0	8.1	7.9	10.6		
REF. NO.	IC40003																	
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
STOP	0	4.8	4.9	4.9	4.9	4.9	10.3	4.9	4.9	4.9	9.8	4.9	4.9	−0.1	−0.1	8.9		
REC	0	4.8	4.9	4.9	4.9	4.9	10.3	4.9	4.9	4.9	9.8	4.9	4.9	0	0	8.9		
REF. NO.	IC40004																	
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
STOP	5.3	5.3	5.4	5.3	5.3	5.3	5.1	0	0	5.3	5.4	5.3	0	8.1	7.9	0		
REC	5.3	5.3	5.4	5.3	5.2	5.3	5.1	0	0	5.3	5.4	5.3	0	8.1	7.9	10.6		
REF. NO.	Q40008			Q40022			Q40023			Q40024			Q40041			Q40042		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	10.6	11.6	11.3	0.2	7.8	0.7	0.2	7.8	0.7	0	0	0	0.2	7.7	0.7	0.2	7.7	0.7
REC	10.6	11.5	11.3	0.2	7.7	0.7	0.2	7.7	0.7	0	0	−0.1	0.2	7.7	0.7	0.2	7.7	0.7
REF. NO.	Q40043																	
MODE	E	C	B															
STOP	0	0	−0.1															
REC	0	0	−0.1															
REF. NO.	QR40008			QR40009			QR40010			QR40011			QR40012			QR40020		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	11.6	11.6	0	11.6	−0.1	11.6	11.6	0	11.6	0	0	0	0	0	0	11.6	11.6	0
REC	11.5	11.5	0	11.5	0	11.5	11.5	0	11.5	0	0	0	0	0	0	11.5	11.5	0
REF. NO.	QR40021			QR40022			QR40023			QR40024								
MODE	E	C	B	E	C	B	E	C	B	E	C	B						
STOP	11.6	0	11.5	11.6	0	11.5	0	0	0	0	0	0						
REC	11.5	0	11.5	11.5	0	11.5	0	0	0	0	0	0						

	AQ-7600
C40030	1800P
C40077	1800P

=INPUT SIGNAL

=OUTPUT SIGNAL

*=REFER TO THE COMPARISON CHART

Ref NO.40000 Series.

AUDIO (1) CONTROL (AG-7600) SCHEMATIC DIAGRAM 2/3 (E7: Page CBA-9)

FROM MOTHER
1AB-1 AA12V +12V
1AB-2 -12V -12V
1AB-3 AA_GND AG
1B-4 D5.5V D5.5V
1B-5 D_GND DG

D40018 MA723

FROM SERVO/SYSCON
1B-29 A_DATA DATA
1B-28 A_CLK CLK
1B-30 A_LATCH LATCH
1B-31 A_ENABLE ENABLE
1B-27 A_MASK MASK

R40242 22K
R40243 22K
R40244 22K
R40245 22K
R40246 22K

L40008 1u(D6)
L40009 1u(D6)
C40139 16V470(GE)
C40140 16V100 (GE)
C40141 16V100 (GE)

IC40007 MN1280-R
R40186 470
C40145 35V33 (GE)
C40146 0.1(B)

D40019 MA165
D40014 MA151K
R40181 56K
R40182 100K
D40045 MSB709
C40142 50V22 (GE)
R40183 150K
C40143 16V100 (GE)
IC40006 MN1280-R
R40185 150
D40015 MA151K
C40144 0.01
R40184 1500

R40187 10K
R40188 10K
R40189 100K

J40005
R40190 10K
R40191 2200
D40046 2SB710A-RS
J40020

FROM 1/3
1/3 CH2_HEAD(R) CH2HR
1/3 CH2_HEAD(W) CH2HW
1/3 CH2_REC CH2REC
1/3 CH2_PB CH2PB
1/3 GND GND

D40017 MA151K
RY40001 VSY2074
J40009

IC40009 MC14053BF
IC40009 MC14053BF
IC40009 MC14053BF

FROM AUDIO 2(2/5)
1A-26 TC_REC_OUT TC-6V
1A-25 TC_-6V TC+6V
1A-24 TC_+6V

IC40008 AN360
TP40008
C40147 35V33 (GE)
C40148 33P
C40149
C40150 1000P
R40200 1000
R40201 22K
R40202 58K
R40203 4700
C40151 35V33 (GE)
R40204 56
C40152 16V100(GE)
R40205 2200
R40206 560
C40153 1000P
C40154 16V100(GE)
R40207 1000

R40193 10K
R40194 10K
R40195 10K
R40196 10K
R40197 10K
R40198 10K
R40199 10K
R40051 10K
R40152 10K

IC40010 MC74HC595F
CH1MUTL
CH1RPL
CH1ERL
CH2EEL
CH2MUTL
CH2RPL
CH2ERL
IC40013 TD62503F
CH1 MUT H
CH1 REC H
CH1 ERASE H
CH2 EE H
CH2 MUT H
CH2 REC H
CH2 ERASE H
GND
VCC
CH1 EE H
S DATA IN
ENABLE
LATCH
S.CLK
RESET
S.OUT

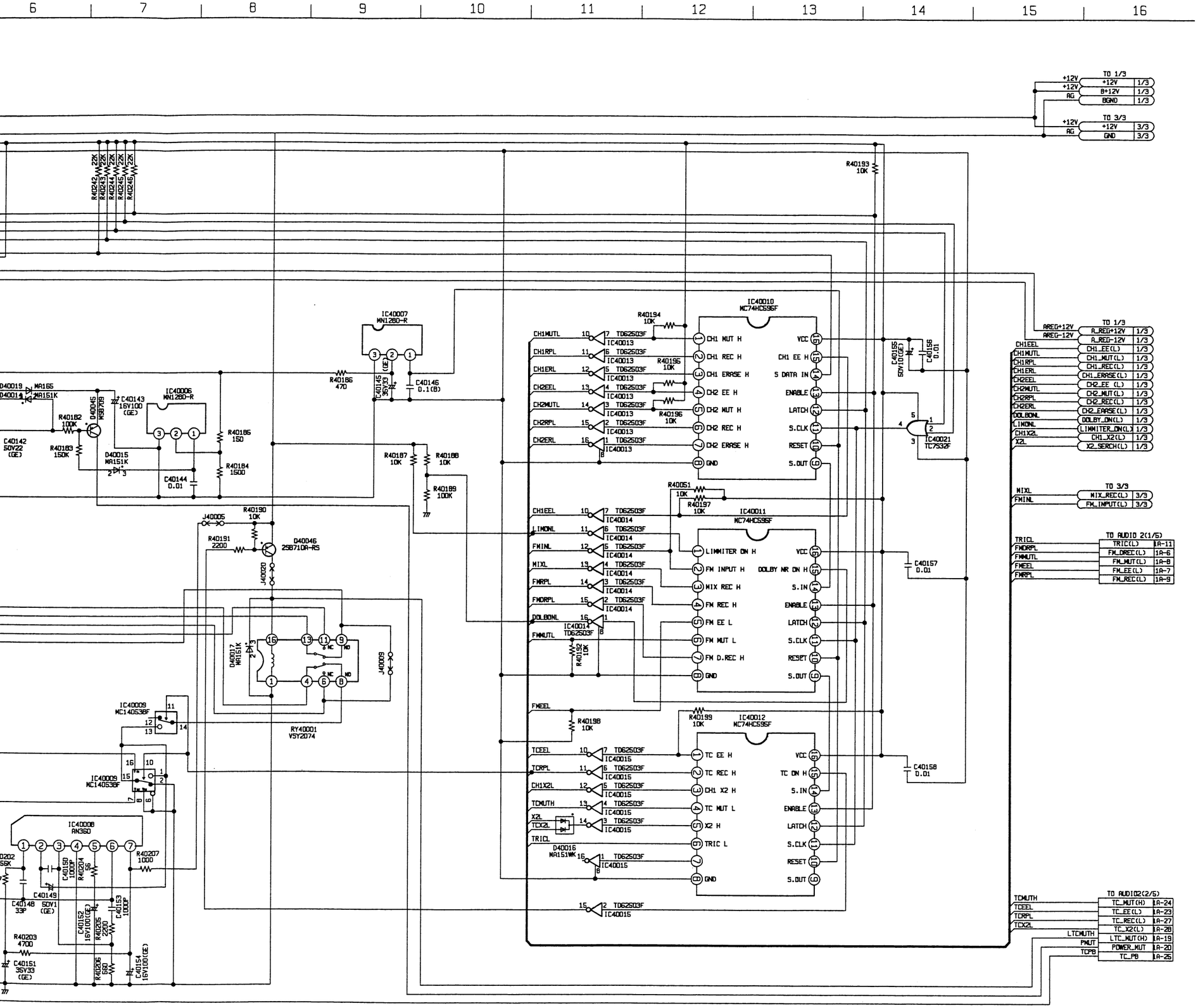
C40155 50V10(GE)
C40156 0.01
C40021 TC7S32F

IC40011 MC74HC595F
CH1EEL
IMONL
FMINL
MIXL
FMRPL
FMDRPL
DOLBONL
FMMUTL
IC40014 TD62503F
LIMMITER ON H
FM INPUT H
MIX REC H
FM REC H
FM EE L
FM MUT L
FM D.REC H
GND
DOLBY NR ON H
S.IN

C40157 0.01

FMEEL
TCEEL
TCRPL
CH1X2L
TCMUTH
X2L
TCX2L
TRICL
D40016 MA151WK
IC40012 MC74HC595F
IC40015 TD62503F
TC EE H
TC REC H
CH1 X2 H
TC MUT L
X2 H
TRIC L
GND
TC ON H
S.IN

C40158 0.01



AUDIO (1) CONTROL DC VOLTAGE CHART

REF. NO.	IC40006					IC40007				
MODE	1	2	3			1	2	3		
STOP	4.7	4.7	0			5.1	5.1	0		
REC	4.7	4.7	0			5.1	5.1	0		

REF. NO.	IC40008									
MODE	1	2	3	4	5	6	7			
STOP	2.5	0.6	0.1	0	1.1	4.8	10.0			
REC	2.5	0.7	0.1	0	1.1	4.8	9.8			

REF. NO.	IC40009									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0.5	0	0	0	0	0	−6.2	0	0	5.5
REC	0	0	0	0	0	0	−6.2	0	0	0.1

REF. NO.	IC40009									
MODE	11	12	13	14	15	16				
STOP	5.5	0	0.1	0	0	6.0				
REC	0.1	0	0	0	0	5.9				

REF. NO.	IC40010									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0	0	0	5.1	0	0	0	0	0	5.2
REC	0	5.1	5.1	5.1	0	5.1	5.1	0	5.1	5.1

REF. NO.	IC40010									
MODE	11	12	13	14	15	16				
STOP	5.1	4.2	0	0.5	5.1	5.2				
REC	5.0	4.3	0	0.4	5.1	5.1				

REF. NO.	IC40011									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	5.1	0	0	0	0	5.2	0	0	0	5.2
REC	5.1	0	0	5.1	0	5.1	5.1	0	5.1	5.1

REF. NO.	IC40011									
MODE	11	12	13	14	15	16				
STOP	5.1	4.2	0	0	0	5.2				
REC	5.0	4.3	0	5.1	0	5.1				

REF. NO.	IC40012									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	5.1	0	0	0	0	5.2	0	0	0.1	5.2
REC	5.1	5.1	0	0	0	5.1	0	0	0.1	5.1

REF. NO.	IC40012									
MODE	11	12	13	14	15	16				
STOP	5.1	4.3	0	0	0	5.2				
REC	5.0	4.3	0	5.1	0	5.1				

REF. NO.	IC40013									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0	0	0	5.1	0	0	0	0	0	11.6
REC	5.1	5.1	0	5.1	5.1	5.1	0	0	0	11.5

REF. NO.	IC40013									
MODE	11	12	13	14	15	16				
STOP	11.1	11.6	0	11.6	11.1	11.6				
REC	0	0	0	11.5	0	0				

REF. NO.	IC40014									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0	0	0	0	0	5.2	5.2	0	0	0
REC	0	5.1	5.1	0	0	5.1	5.1	0	0	0

REF. NO.	IC40014									
MODE	11	12	13	14	15	16				
STOP	0	9.9	9.9	11.7	3.7	10.3				
REC	0	9.8	9.7	0	0.1	10.2				

REF. NO.	IC40015									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0	0	0	0	0	0	5.2	0	0	0
REC	0	0	0	0	0	5.1	5.1	0	0.1	0

REF. NO.	IC40015									
MODE	11	12	13	14	15	16				
STOP	5.5	11.6	0.7	11.3	11.6	0.1				
REC	0.1	11.5	0.7	11.2	11.5	0.3				

REF. NO.	IC40021									
MODE	1	2	3	4	5					
STOP	4.8	4.7	0	5.1	5.2					
REC	4.8	4.7	0	5.1	5.1					

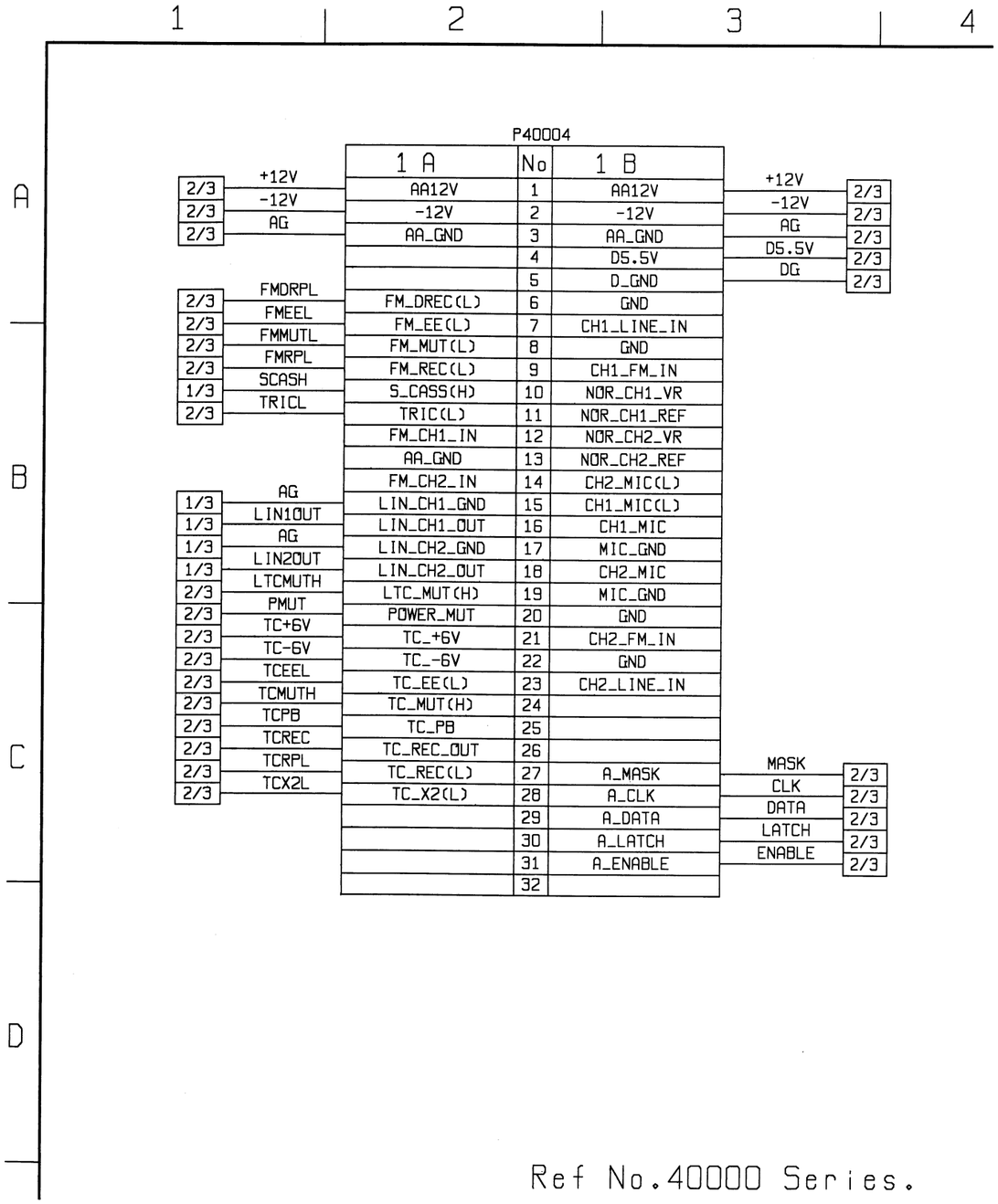
REF. NO.	Q40045			Q40046						
MODE	E	C	B	E	C	B				
STOP	5.1	−0.1	5.0	11.6	0	11.6				
REC	5.1	−0.2	5.0	11.5	0	11.5				

=INPUT SIGNAL

=OUTPUT SIGNAL

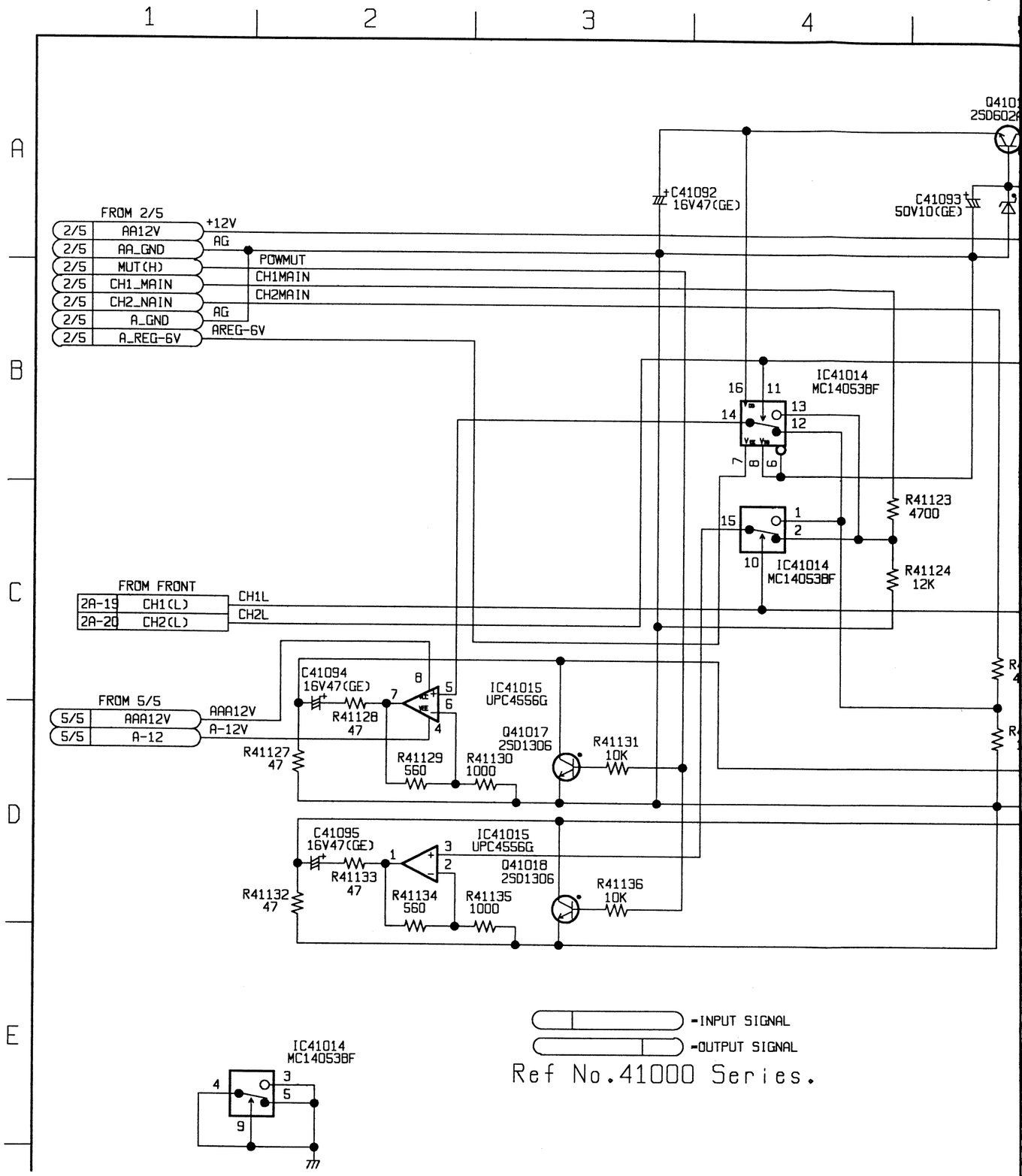
Ref No.40000 Serise.

AUDIO (1) INPUT (AG-7600) SCHEMATIC DIAGRAM 3/3 (E7: Page CBA-9)



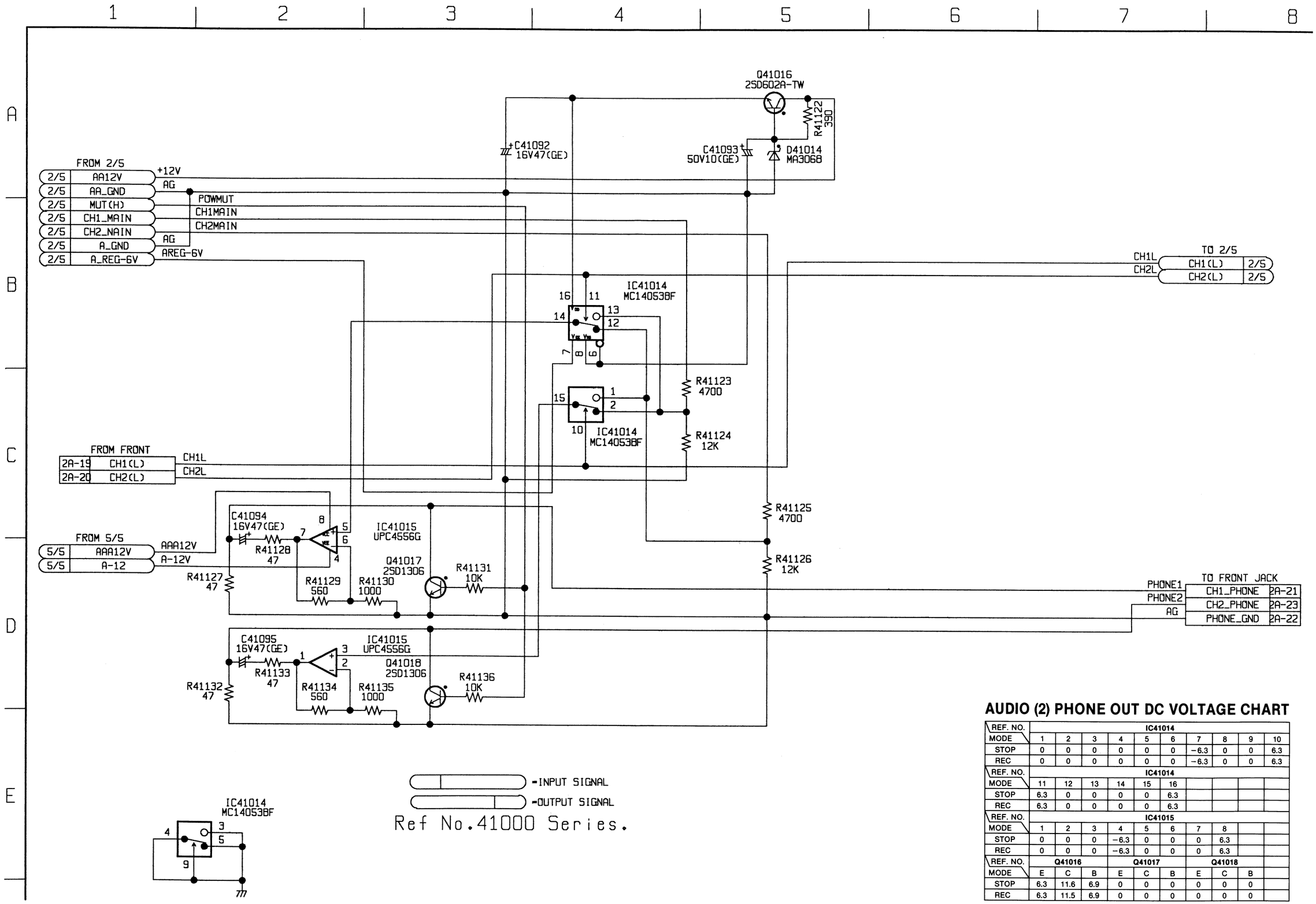
Ref No.40000 Series.

AUDIO (2) PHONE OUT (AG-7700) SCHEMATIC DIAGRAM 3/5 (E8: Page CBA-10)



Ref No.41000 Series.

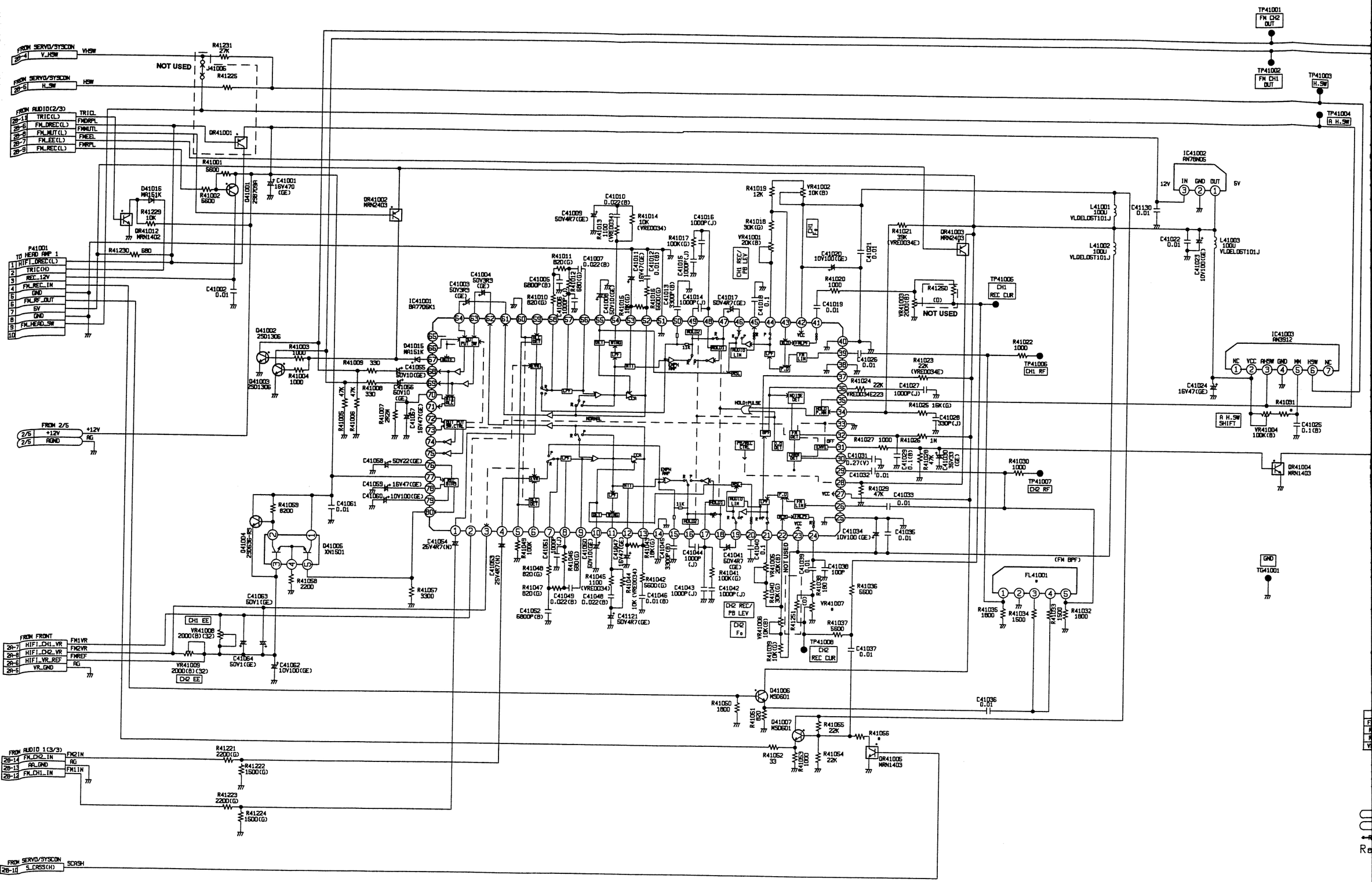
AUDIO (2) PHONE OUT (AG-7700) SCHEMATIC DIAGRAM 3/5 (E8: Page CBA-10)



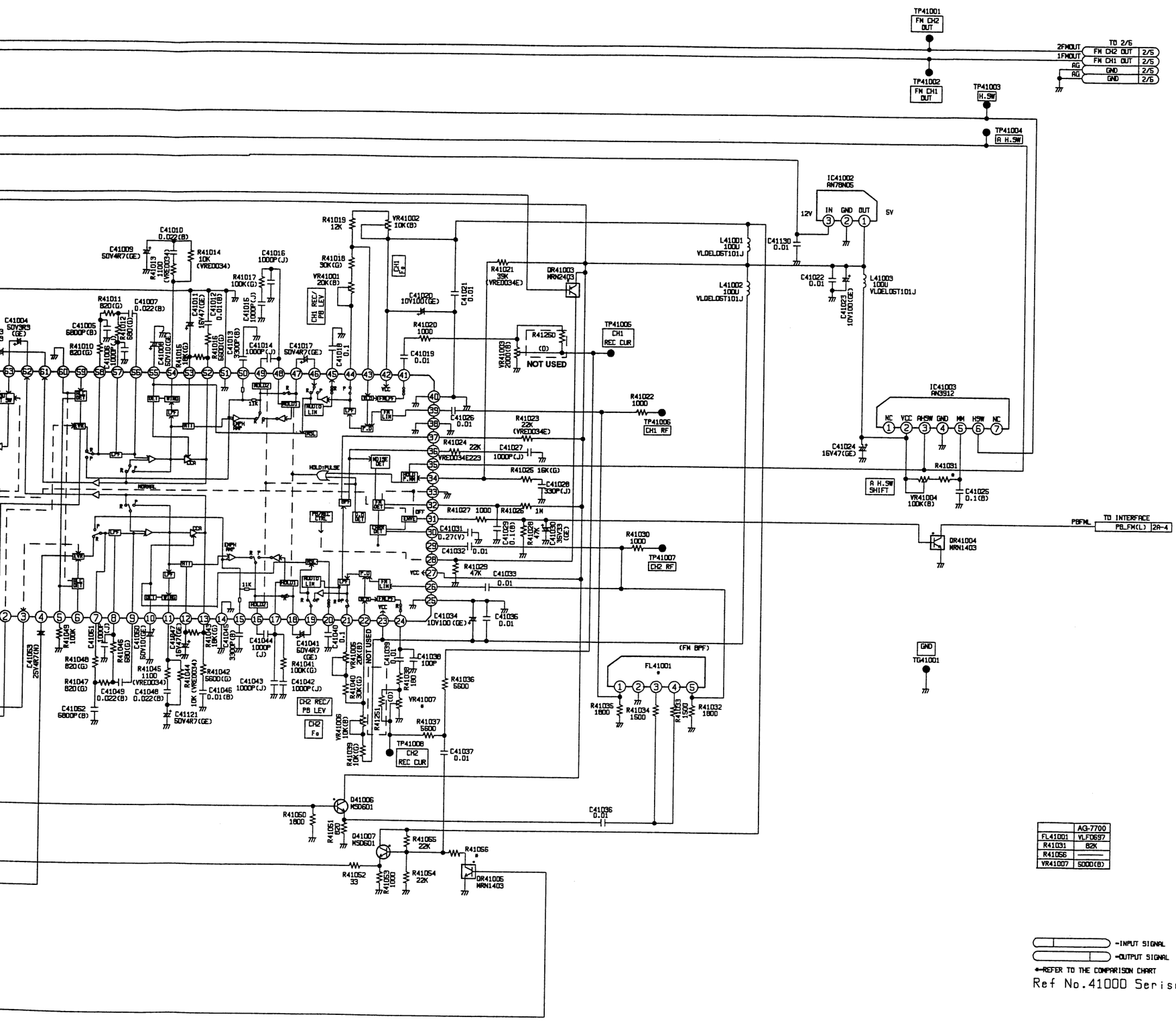
AUDIO (2) PHONE OUT DC VOLTAGE CHART

REF. NO.	IC41014									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0	0	0	0	0	0	−6.3	0	0	6.3
REC	0	0	0	0	0	0	−6.3	0	0	6.3
REF. NO.	IC41014									
MODE	11	12	13	14	15	16				
STOP	6.3	0	0	0	0	6.3				
REC	6.3	0	0	0	0	6.3				
REF. NO.	IC41015									
MODE	1	2	3	4	5	6	7	8		
STOP	0	0	0	−6.3	0	0	0	6.3		
REC	0	0	0	−6.3	0	0	0	6.3		
REF. NO.	Q41016			Q41017			Q41018			
MODE	E	C	B	E	C	B	E	C	B	
STOP	6.3	11.6	6.9	0	0	0	0	0	0	
REC	6.3	11.5	6.9	0	0	0	0	0	0	

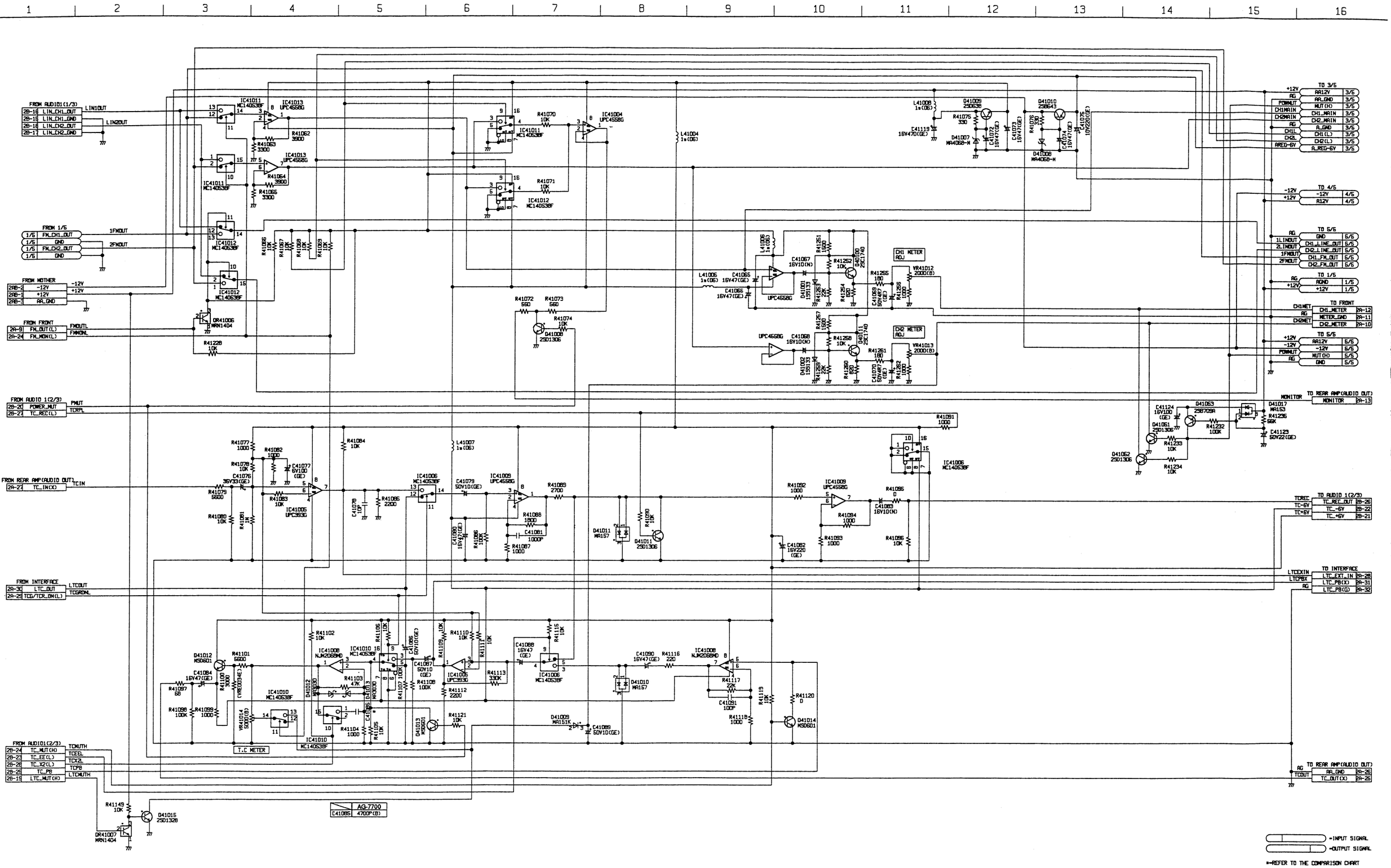
(2) FM AUDIO (AG-7700) SCHEMATIC DIAGRAM 1/5 (E8: Page CBA-10)



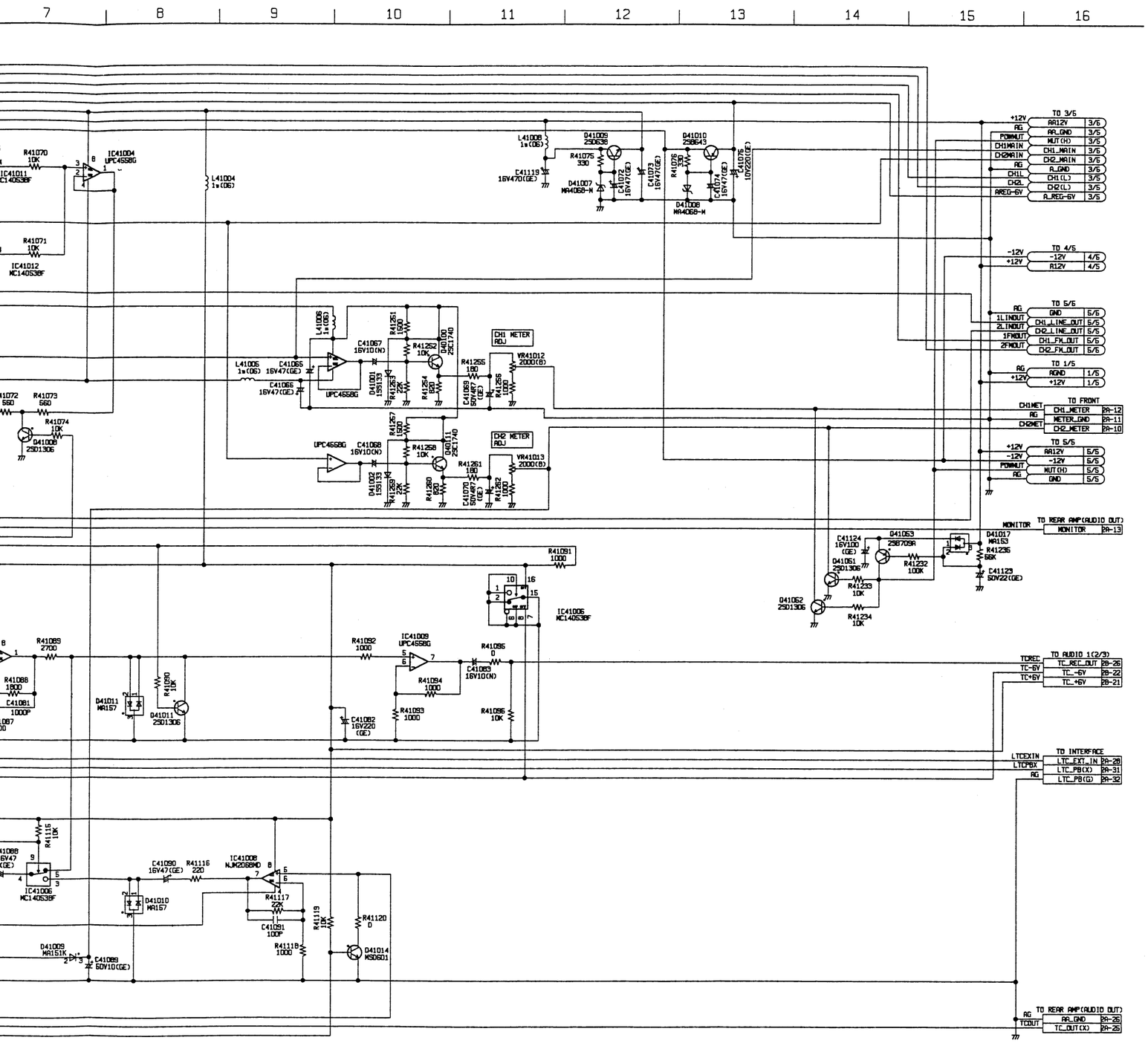
M 1/5 (E8: Page CBA-10)


TP41001
FM CH2 OUT
TP41002
FM CH1 OUT
TP41003
H.SW
TP41004
A H.SW
TO 2/6
2FMOUT
1FMOUT
AG
FM CH2 OUT 2/5
FM CH1 OUT 2/5
GND 2/5
GND 2/6
IC41002
AN78ND5
12V
5V
IN GND OUT
L41001 100U VLDELOST101J
L41002 100U VLDELOST101J
L41009 100U VLDELOST101J
C41130 0.01
C41022 0.01
C41023 10V100(GE)
IC41003
AN3912
NC VCC A-SW GND MM H-SW NC
C41024 16V47(GE)
R41091
A H.SW SHIFT
VR41004 100K(B)
C41025 0.1(B)
PBFML
TO INTERFACE
PB_FM(L) 2A-4
DR41004 MRN1403
GND
TG41001
FL41001
(FM BPF)
R41035 1800
R41034 1500
R41033 1500
R41032 1800
R41030 1000
TP41007 CH2 RF
R41022 1000
TP41006 CH1 RF
TP41005 CH1 REC CUR
R41021 39K (VRE0034E)
DR41003 MRN2403
R41250 (0) NOT USED
VR41003 200K(B)
C41020 10V100(GE)
C41021 0.01
R41020 1000
C41019 0.01
R41023 22K (VRE0034E)
C41026 0.01
R41024 22K VRE0034E223
C41027 1000P(J)
R41025 16K(G)
C41028 330P(J)
R41027 1000
R41026 1M
C41031 0.27(V)
C41029 0.1(B)
R41028 47K
C41030 330P(CH)(GE)
C41032 0.01
R41029 47K
C41033 0.01
C41034 10V100(GE)
C41035 0.01
R41019 12K
VR41002 10K(B)
R41018 30K(G)
VR41001 20K(B)
CH1 REC/PB LEV
C41010 0.022(B)
C41009 50V4R7(GE)
R41014 10K (VRE0034)
C41016 1000P(J)
R41017 100K(G)
C41015 330P(J)
R41011 820(G)
C41007 0.022(B)
C41004 50V3R3 (GE)
C41005 6800P(B)
R41010 820(G)
C41006 1000P(J)
C41008 50V100(GE)
R41012 680(G)
C41011 16V47(GE)
C41012 0.01(B)
R41013 6800(B)
C41013 3300P(B)
C41014 1000P(J)
C41017 50V4R7(GE)
C41018 0.1
R41016 18K(G)
C41044 1000P (J)
R41041 100K(G)
C41041 50V4R7 (GE)
C41040 0.1
VR41005 20K(B)
NOT USED
C41039 0.1
C41038 100P
R41038 180
R41036 5600
VR41007
R41037 5600
R41251 (0)
VR41006 10K(B)
R41039 15K(G)
C41037 0.01
TP41008 CH2 REC CUR
CH2 REC/PB LEV
CH2 Fe
R41048 820(G)
R41047 820(G)
C41049 0.022(B)
R41045 1100 (VRE0034)
C41048 0.022(B)
R41042 5600(G)
C41046 0.01(B)
C41043 1000P(J)
C41042 1000P(J)
C41121 50V4R7(GE)
C41052 6800P(B)
C41051 1000P (J)
R41046 680(G)
C41050 50V100(GE)
R41044 10K
R41043 330P(B)
C41053 25V4R7(B)
D41006 MSD601
R41050 1600
R41051 680
D41007 MSD601
R41055 22K
R41056
R41052 33
R41053 1000
R41054 22K
DR41005 MRN1403
C41036 0.01
HOLD:PULSE
NORMAL
HOLD
MUTE
MUTE LIN
MUTE CTRL
MUTE CTRL
HOLD DET
MUTE DET
DET
WIND
LPF
BPF
SCN
SCN
SCN

AUDIO (2) TC (AG-7700) SCHEMATIC DIAGRAM 2/5 (E8: Page CBA-10)



ge CBA-10)



=INPUT SIGNAL

=OUTPUT SIGNAL

※=REFER TO THE COMPARISON CHART

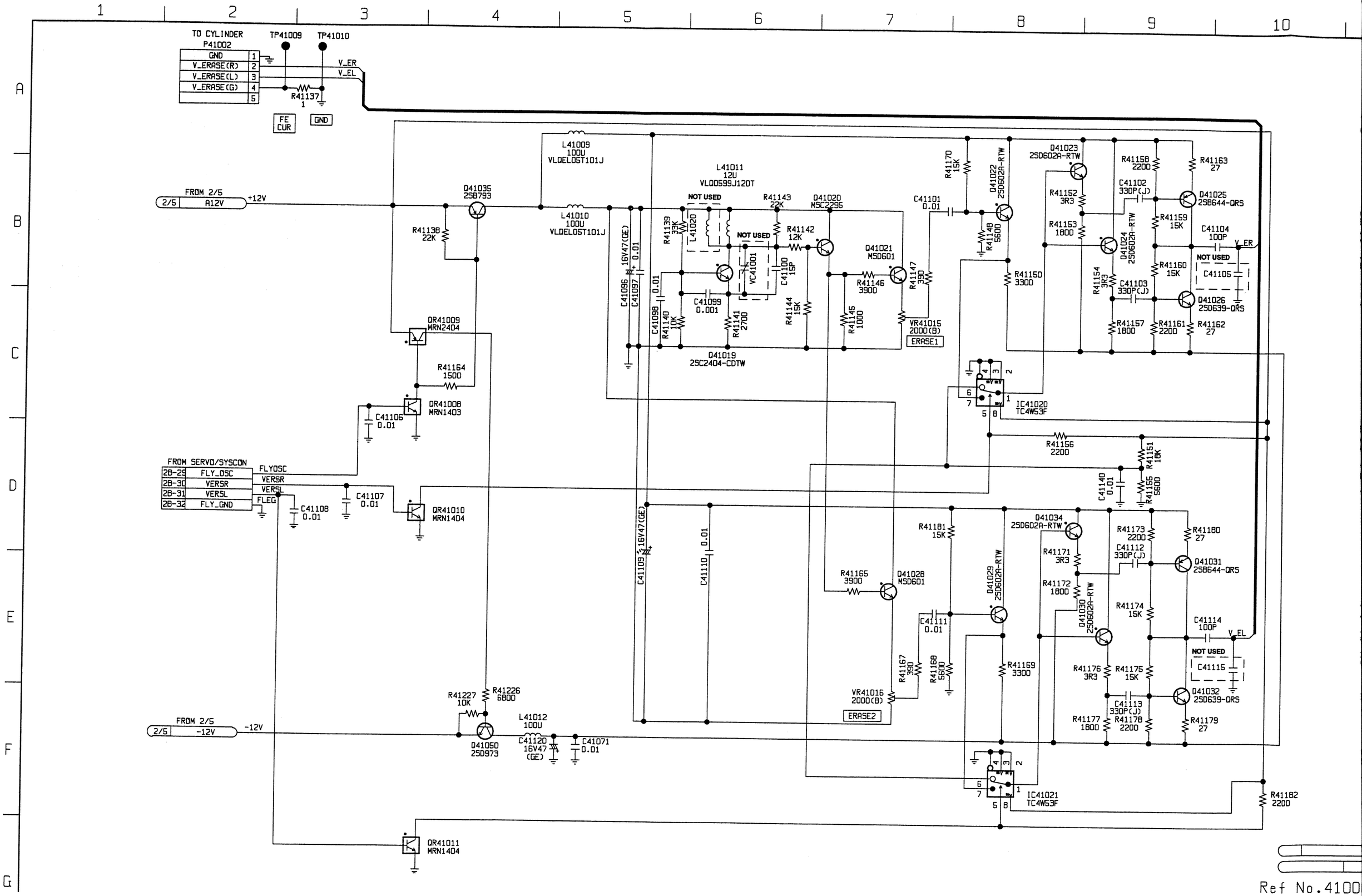
Ref NO.41000 Series.

AUDIO (2) TC DC VOLTAGE CHART

REF. NO.	IC41004									IC41005								
MODE	1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8	
STOP	0	0	0	−6.3	0.8	0.7	5.8	6.3		0	3.0	2.9	0	3.0	3.0	0	6.0	
REC	0	0	0	−6.3	0.8	0.7	5.8	6.3		0.5	3.0	2.9	0	2.9	3.0	0	5.9	
REF. NO.	IC41006																	
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
STOP	0	0	0	0	0	0	−6.1	0	0	0	0	0	0	0	0	6.0		
REC	0	0	0	0	0	0	−6.1	0	0	0	0	0.5	0	0	0	5.9		
REF. NO.	IC41007									IC41008								
MODE	1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8	
STOP	0	0	0	−6.3	0	0	0	6.3		0.1	0	0	−6.1	0	0	0	6.0	
REC	0	0	0	−6.3	0	0	0	6.3		0	0	0	−6.1	0	0	0.1	5.9	
REF. NO.	IC41009																	
MODE	1	2	3	4	5	6	7	8										
STOP	0	0	0	−6.1	0	0	0.1	6.0										
REC	0	0	0	−6.1	0	0	0.2	5.9										
REF. NO.	IC41010																	
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
STOP	0.1	0	0	0	0	0	−6.1	0	0	6.0	0	0.1	0	0.1	0.1	6.0		
REC	0	0	0	0	0	0	−6.1	0	0	5.9	0	0	0	0	0	5.9		
REF. NO.	IC41011																	
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
STOP	0	0	0	0	0	0	−6.3	0	6.3	0	0	0	0	0	0	6.3		
REC	0	0	0	0	0	0	−6.3	0	6.3	0	0	0	0	0	0	6.3		
REF. NO.	IC41012																	
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
STOP	0	0	0	0	0	0	−6.3	0	6.3	6.3	6.3	0	0	0	0	6.3		
REC	0	0	0	0	0	0	−6.3	0	6.3	6.3	6.3	0	0	0	0	6.3		
REF. NO.	IC41013																	
MODE	1	2	3	4	5	6	7	8										
STOP	0	0	0	−6.3	0	0	0	6.3										
REC	0	0	0	−6.3	0	0	0	6.3										

REF. NO.	Q41008			Q41009			Q41010			Q41011			Q41012			Q41013		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	0	0	0	6.3	10.9	6.9	−6.3	−12.2	−7.0	0	0	0.7	−0.6	6.0	0	0	0	0
REC	0	0	0	6.3	10.8	6.9	−6.3	−12.2	−7.0	0	0	0	−0.7	5.9	0	0	0	0
REF. NO.	Q41014			Q41015			Q41051			Q41052			Q41053					
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B			
STOP	0	0	0.7	0	0	0.7	0	0.2	−0.4	0	0.1	−0.3	11.2	−0.2	11.4			
REC	0	0	0.7	0	0	0.7	0	0.2	−0.2	0	0.1	−0.1	11.1	−0.4	11.4			
REF. NO.	QR41006			QR41007														
MODE	E	C	B	E	C	B												
STOP	0	0	5.2	0	0.7	0												
REC	0	0	5.2	0	0.7	0												

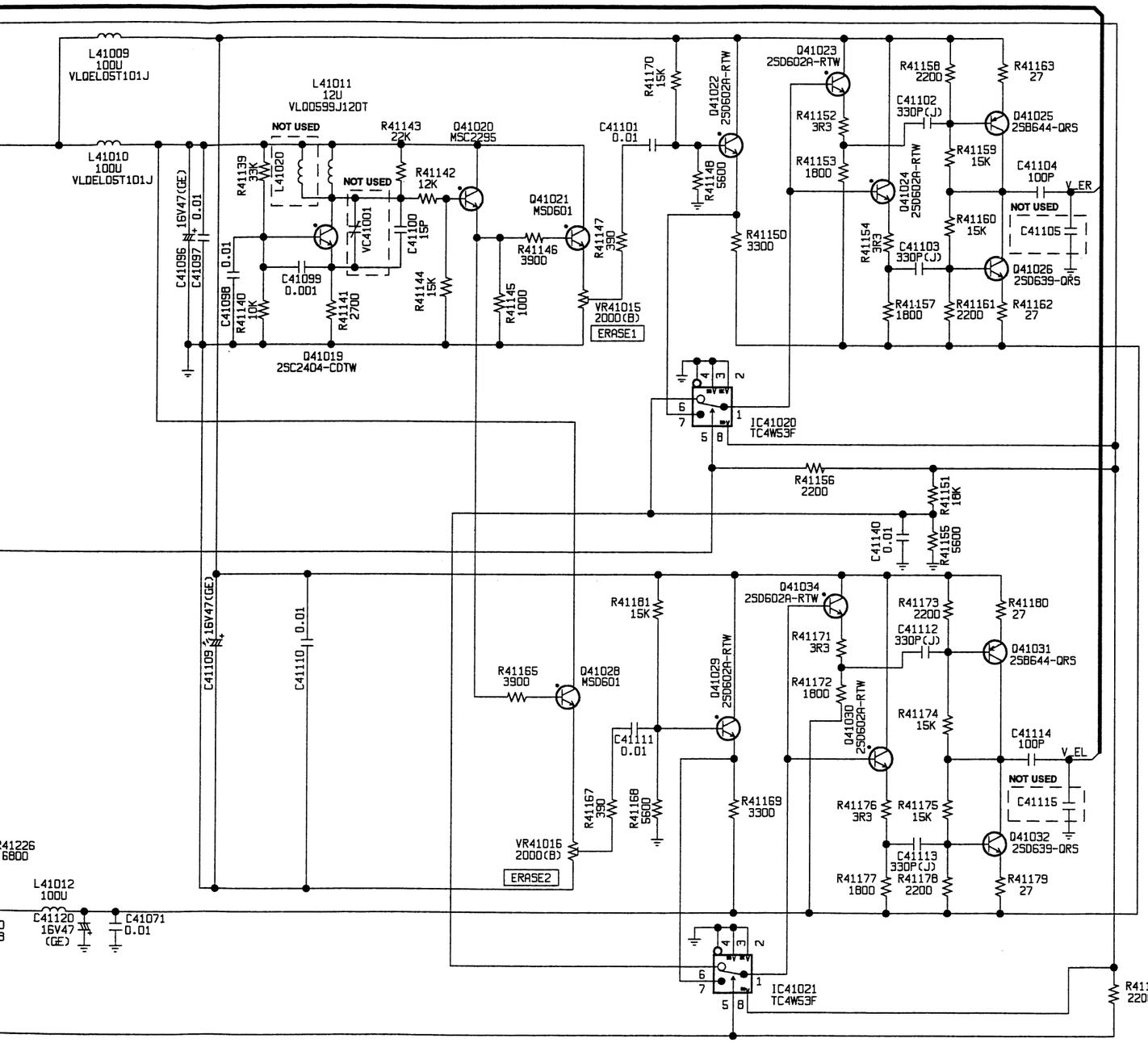
AUDIO (2) FLYING ERASE (AG-7700) SCHEMATIC DIAGRAM 4/5 (E8: Page CBA-10)



Ref No.4100

AGRAM 4/5 (E8: Page CBA-10)

5 6 7 8 9 10 11



AUDIO (2) FLYING ERASE DC VOLTAGE CHART

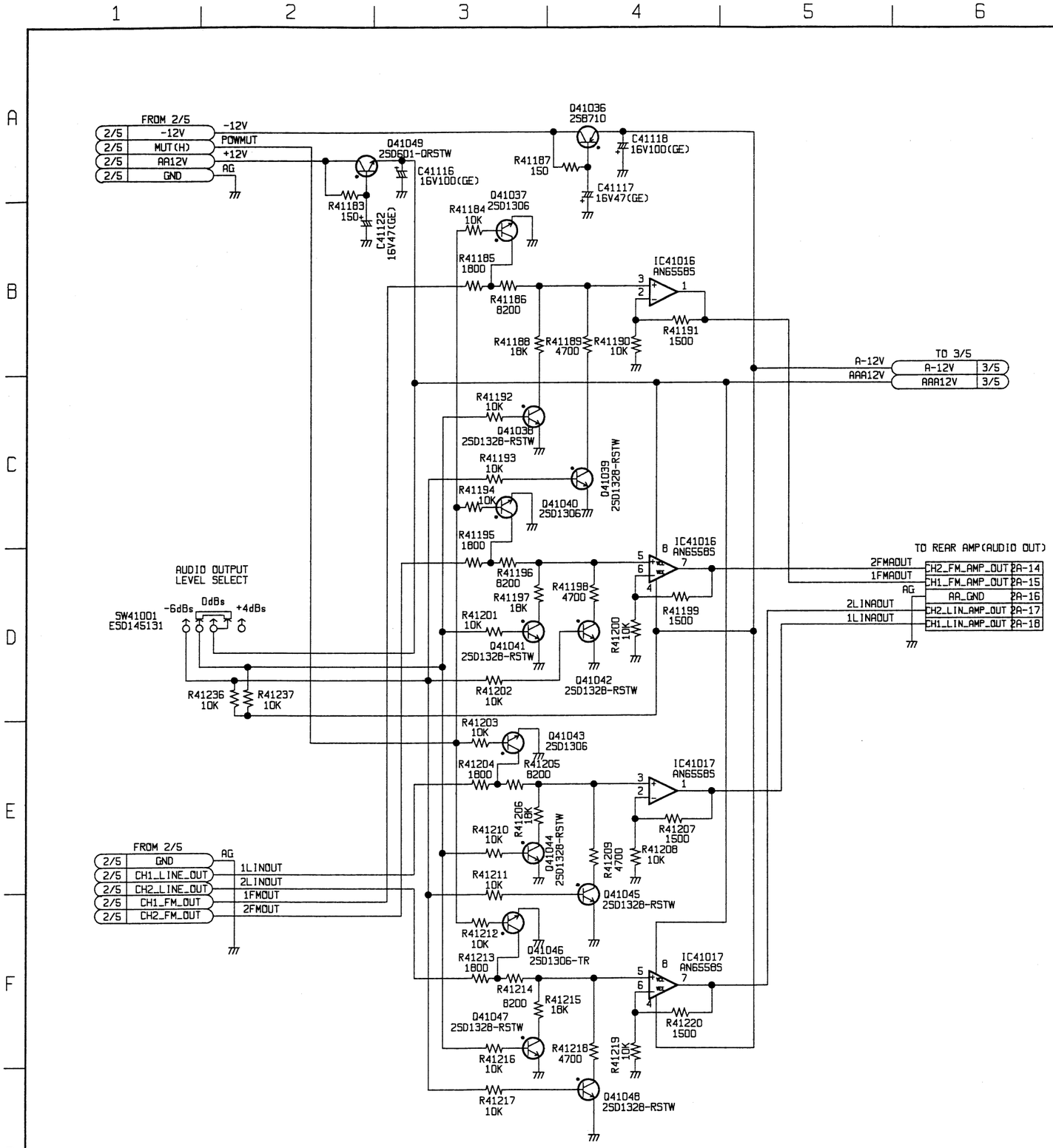
REF. NO.	Q41020			Q41021			Q41022			
MODE	E	C	B	E	C	B	E	C	B	
STOP	0	0	0	0	0	0	0	0	0	
REC	0	0	0	0	0	0	0	0	0	
REF. NO.	Q41023			Q41024			Q41025			
MODE	E	C	B	E	C	B	E	C	B	
STOP	0	0	0	0	0	0	0	0	0	
REC	0	0	0	0	0	0	0	0	0	
REF. NO.	Q41026			Q41027			Q41028			
MODE	E	C	B	E	C	B	E	C	B	
STOP	0	0	0	0	0	0.8	0	0	0	
REC	0	0	0	0	0	0.3	0	0	0	
REF. NO.	Q41029			Q41030			Q41031			
MODE	E	C	B	E	C	B	E	C	B	
STOP	0	0	0	0	0	0	0	0	0	
REC	0	0	0	0	0	0	0	0	0	
REF. NO.	Q41032			Q41033			Q41034			
MODE	E	C	B	E	C	B	E	C	B	
STOP	0	0	0	0	0	0.8	0	0	0	
REC	0	0	0	0	0	0.3	0	0	0	
REF. NO.	Q41035			Q41050						
MODE	E	C	B	E	C	B				
STOP	11.6	0	11.6	−12.2	0	−12.2				
REC	11.5	0	11.5	−12.2	0	−12.2				
REF. NO.	QR41008			QR41009			QR41010			
MODE	E	C	B	E	C	B	E	C	B	
STOP	0	11.6	0	11.6	−12.2	11.6	0	8.2	0	
REC	0	11.5	0	11.5	−12.2	11.5	0	2.8	3.2	
REF. NO.	QR41011			QR41019						
MODE	E	C	B	E	C	B				
STOP	0	8.2	0	0	0	0				
REC	0	2.8	3.2	0	0	0				

=INPUT SIGNAL

=OUTPUT SIGNAL

Ref No.41000 Series.

AUDIO (2) OUTPUT (AG-7700) SCHEMATIC DIAGRAM 5/5 (E8: Page CBA-10)

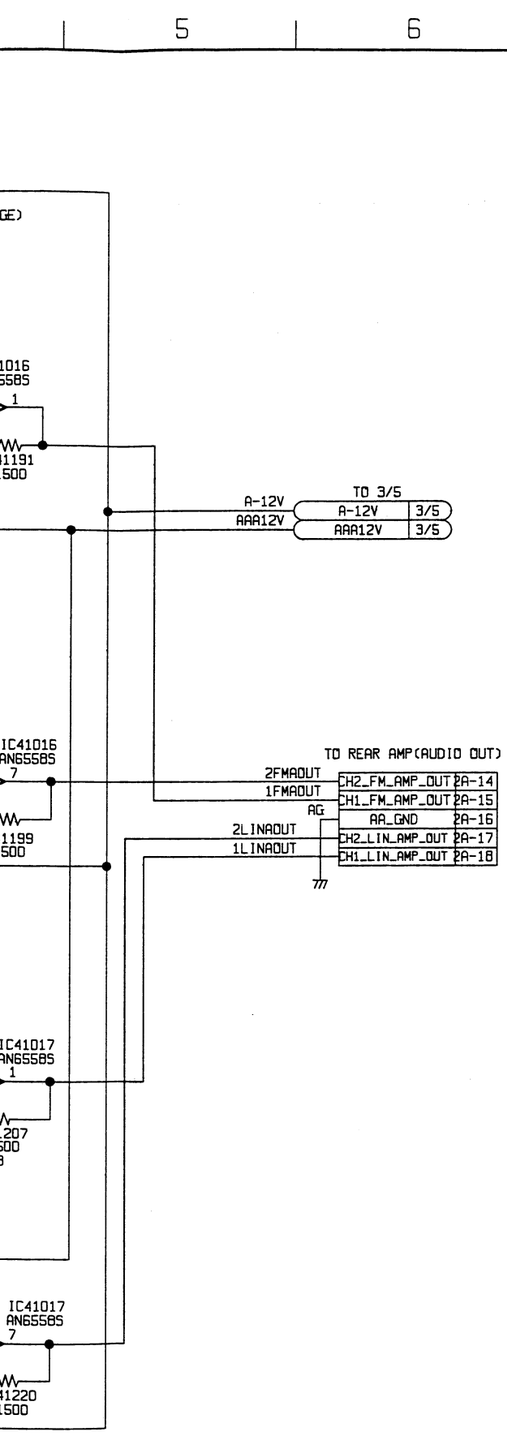


P41003

		2A	No	2B		
2/5	+12V	AA12V	1	AA12V	+12V	2/5
2/5	-12V	-12V	2	-12V	-12V	2/5
2/5	AG	AA_GND	3	AA_GND	AG	2/5
2/5	PBFML	PB_FM(L)	4	V_HSW	VHSW	1/5
1/5	AG	VR_GND	5	H_SW	HSW	1/5
1/5	FMREF	HIFI_VR_REF	6	FM_DREC(L)	FMDRPL	1/5
1/5	FM1VR	HIFI_CH1_VR	7	FM_EE(L)	FMEEL	1/5
1/5	FM2VR	HIFI_CH2_VR	8	FM_MUT(L)	FMMUTL	1/5
1/5	FMOUTL	FM_OUT(L)	9	FM_REC(L)	FMRPL	1/5
2/5	CH2MET	CH2_METER	10	S_CASS(H)	SCASH	1/5
2/5	AG	METER_GND	11	TRIC(L)	TRICL	1/5
2/5	CH1MET	CH1_METER	12	FM_CH1_IN	FM1IN	1/5
2/5	MONITOR	MONITOR	13	AA_GND	AG	1/5
5/5	2FMAOUT	CH2_FM_AMP_OUT	14	FM_CH2_IN	FM2IN	1/5
5/5	1FMAOUT	CH1_FM_AMP_OUT	15	LIN_CH1_GND	AG	2/5
5/5	AG	AA_GND	16	LIN_CH1_OUT	LIN1OUT	2/5
5/5	2LINAOUT	CH2_LIN_AMP_OUT	17	LIN_CH2_GND	AG	2/5
5/5	1LINAOUT	CH1_LIN_AMP_OUT	18	LIN_CH2_OUT	LIN2OUT	2/5
3/5	CH1L	CH1(L)	19	LTC_MUT(H)	LTCMUTH	2/5
3/5	CH2L	CH2(L)	20	POWER_MUT	PMUT	2/5
3/5	PHONE1	CH1_PHONE	21	TC_+6V	TC+6V	2/5
3/5	AG	PHONE_GND	22	TC_-6V	TC-6V	2/5
3/5	PHONE2	CH2_PHONE	23	TC_EE(L)	TCEEL	2/5
2/5	FMMONL	FM_MON(L)	24	TC_MUT(H)	TCMUTH	2/5
2/5	TCOUT	TC_OUT(X)	25	TC_PB	TCPB	2/5
2/5	AG	AA_GND	26	TC_REC_OUT	TCREC	2/5
2/5	TCIN	TC_IN(X)	27	TC_REC(L)	TCRPL	2/5
2/5	LTCEXIN	LTC_EXT_IN	28	TC_X2(L)	TCX2L	2/5
2/5	TCGRONL	TCG/TCR_ON(L)	29	FLY_OSC	FLYOSC	4/5
2/5	LTCOUT	LTC_OUT	30	VERSR	VERSR	4/5
2/5	LTCPBX	LTC_PB(X)	31	VERSL	VERSL	4/5
2/5	AG	LTC_PB(G)	32	FLY_GND	FLEG	4/5

-INPUT
-OUTPU

Ref No.41000

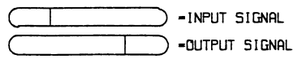


P41003

		2 A	No	2 B		
2/5	+12V	AA12V	1	AA12V	+12V	2/5
2/5	-12V	-12V	2	-12V	-12V	2/5
2/5	AG	AA_GND	3	AA_GND	AG	2/5
1/5	PBFML	PB_FM(L)	4	V_HSW	VHSW	1/5
1/5	AG	VR_GND	5	H_SW	HSW	1/5
1/5	FMREF	HIFI_VR_REF	6	FM_DREC(L)	FMDRPL	1/5
1/5	FM1VR	HIFI_CH1_VR	7	FM_EE(L)	FMEEL	1/5
1/5	FM2VR	HIFI_CH2_VR	8	FM_MUT(L)	FMMUTL	1/5
2/5	FMOUTL	FM_OUT(L)	9	FM_REC(L)	FMRPL	1/5
2/5	CH2MET	CH2_METER	10	S_CASS(H)	SCASH	1/5
2/5	AG	METER_GND	11	TRIC(L)	TRICL	1/5
2/5	CH1MET	CH1_METER	12	FM_CH1_IN	FM1IN	1/5
2/5	MONITOR	MONITOR	13	AA_GND	AG	1/5
5/5	2FMAOUT	CH2_FM_AMP_OUT	14	FM_CH2_IN	FM2IN	1/5
5/5	1FMAOUT	CH1_FM_AMP_OUT	15	LIN_CH1_GND	AG	2/5
5/5	AG	AA_GND	16	LIN_CH1_OUT	LIN1OUT	2/5
5/5	2LINAOUT	CH2_LIN_AMP_OUT	17	LIN_CH2_GND	AG	2/5
5/5	1LINAOUT	CH1_LIN_AMP_OUT	18	LIN_CH2_OUT	LIN2OUT	2/5
3/5	CH1L	CH1(L)	19	LTC_MUT(H)	LTCMUTH	2/5
3/5	CH2L	CH2(L)	20	POWER_MUT	PMUT	2/5
3/5	PHONE1	CH1_PHONE	21	TC_+6V	TC+6V	2/5
3/5	AG	PHONE_GND	22	TC_-6V	TC-6V	2/5
3/5	PHONE2	CH2_PHONE	23	TC_EE(L)	TCEEL	2/5
2/5	FMMONL	FM_MON(L)	24	TC_MUT(H)	TCMUTH	2/5
2/5	TCOUT	TC_OUT(X)	25	TC_PB	TCPB	2/5
2/5	AG	AA_GND	26	TC_REC_OUT	TCREC	2/5
2/5	TCIN	TC_IN(X)	27	TC_REC(L)	TCRPL	2/5
2/5	LTCEXIN	LTC_EXT_IN	28	TG_X2(L)	TCX2L	2/5
2/5	TCGRONL	TCG/TCR_ON(L)	29	FLY_OSC	FLYOSC	4/5
2/5	LTCOUT	LTC_OUT	30	VERSR	VERSR	4/5
2/5	LTCPBX	LTC_PB(X)	31	VERSL	VERSL	4/5
2/5	AG	LTC_PB(G)	32	FLY_GND	FLEG	4/5

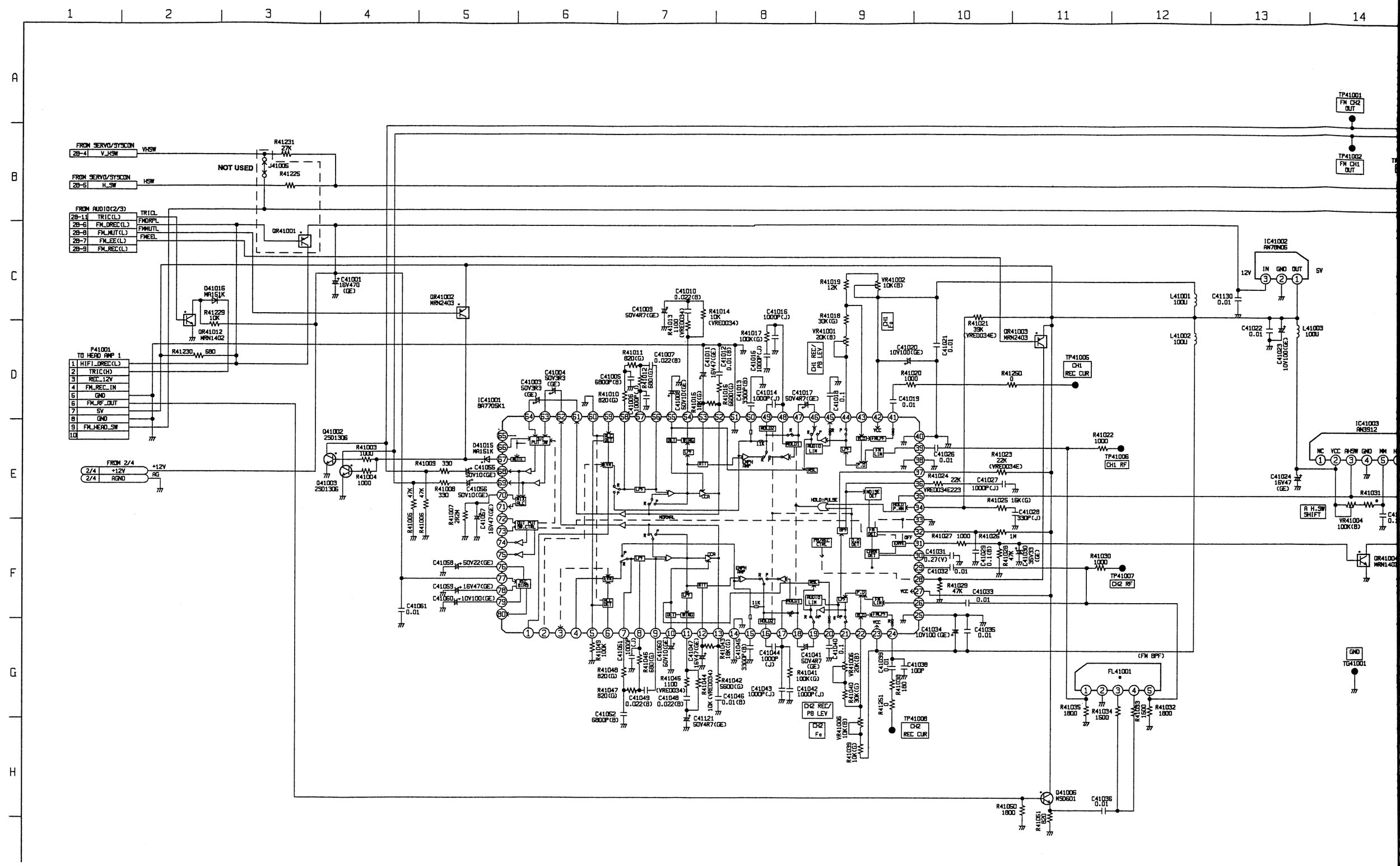
AUDIO (2) OUTPUT DC VOLTAGE CHART

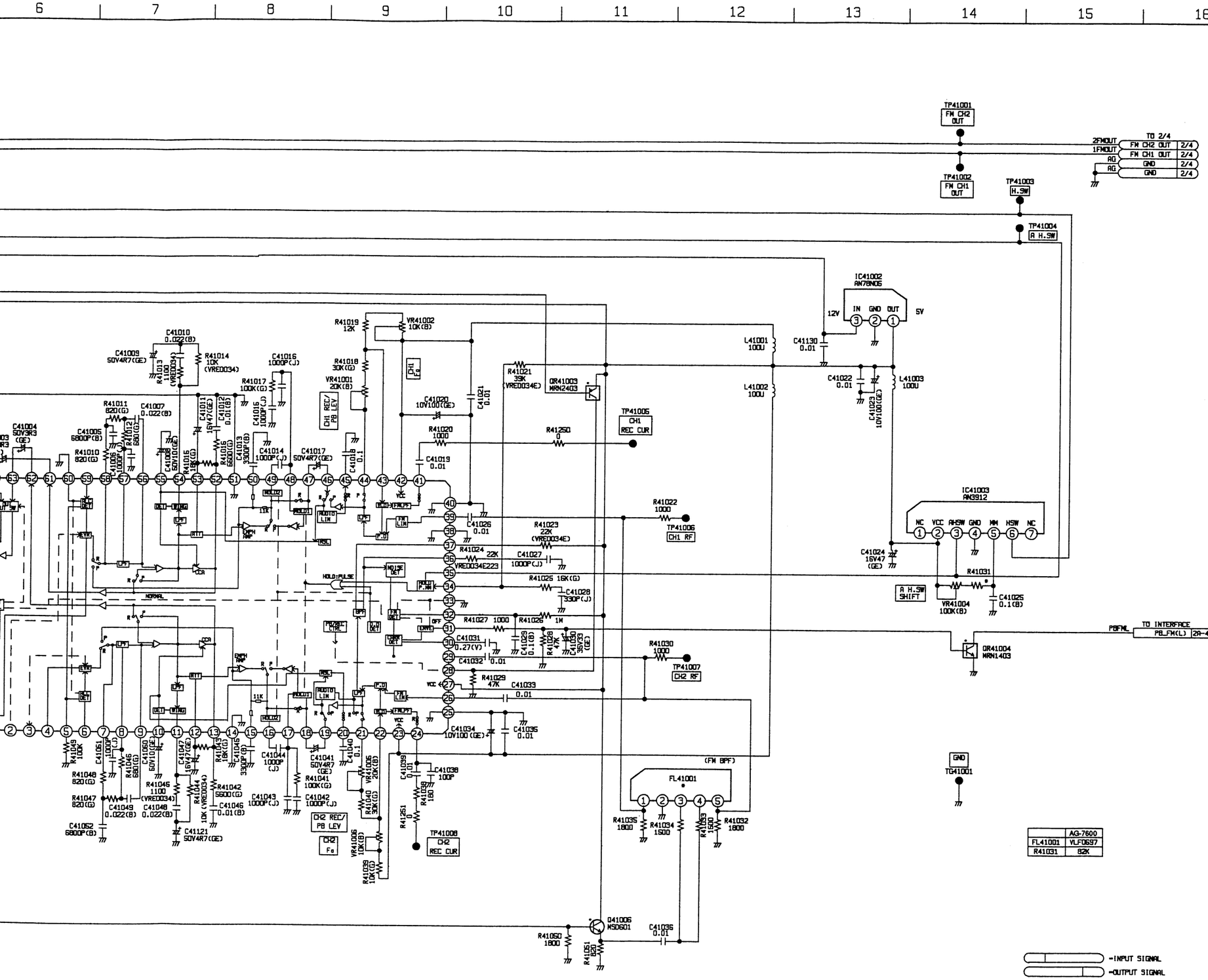
REF. NO.	IC41016									
MODE	1	2	3	4	5	6	7	8		
STOP	0	0	0	−11.5	0	0	0	10.9		
REC	0	0	0	−11.5	0	0	0	10.8		
REF. NO.	IC41017									
MODE	1	2	3	4	5	6	7	8		
STOP	0	0	0	−11.5	0	0	0	10.9		
REC	0	0	0	−11.5	0	0	0	10.8		
REF. NO.	Q41036			Q41037			Q41038			
MODE	E	C	B	E	C	B	E	C	B	
STOP	−11.5	−12.2	−12.2	0	0	−0.2	0	0	0.7	
REC	−11.5	−12.2	−12.2	0	0	−0.2	0	0	0.7	
REF. NO.	Q41039			Q41040			Q41041			
MODE	E	C	B	E	C	B	E	C	B	
STOP	0	0	−11.5	0	0	0	0	0	0.7	
REC	0	0	−11.5	0	0	−0.1	0	0	0.7	
REF. NO.	Q41042			Q41043			Q41044			
MODE	E	C	B	E	C	B	E	C	B	
STOP	0	0	−11.5	0	0	0	0	0	0.7	
REC	0	0	−11.5	0	0	0	0	0	0.7	
REF. NO.	Q41045			Q41046			Q41047			
MODE	E	C	B	E	C	B	E	C	B	
STOP	0	0	−11.5	0	0	−0.2	0	0	0.7	
REC	0	0	−11.5	0	0	0	0	0	0.7	
REF. NO.	Q41048			Q41049						
MODE	E	C	B	E	C	B	E	C	B	
STOP	0	0	−11.5	10.9	11.6	11.6				
REC	0	0	−11.5	10.8	11.5	11.5				



Ref No.41000 Series.

AUDIO (2) FM AUDIO (AG-7600) SCHEMATIC DIAGRAM 1/4 (E8: Page CBA-10)





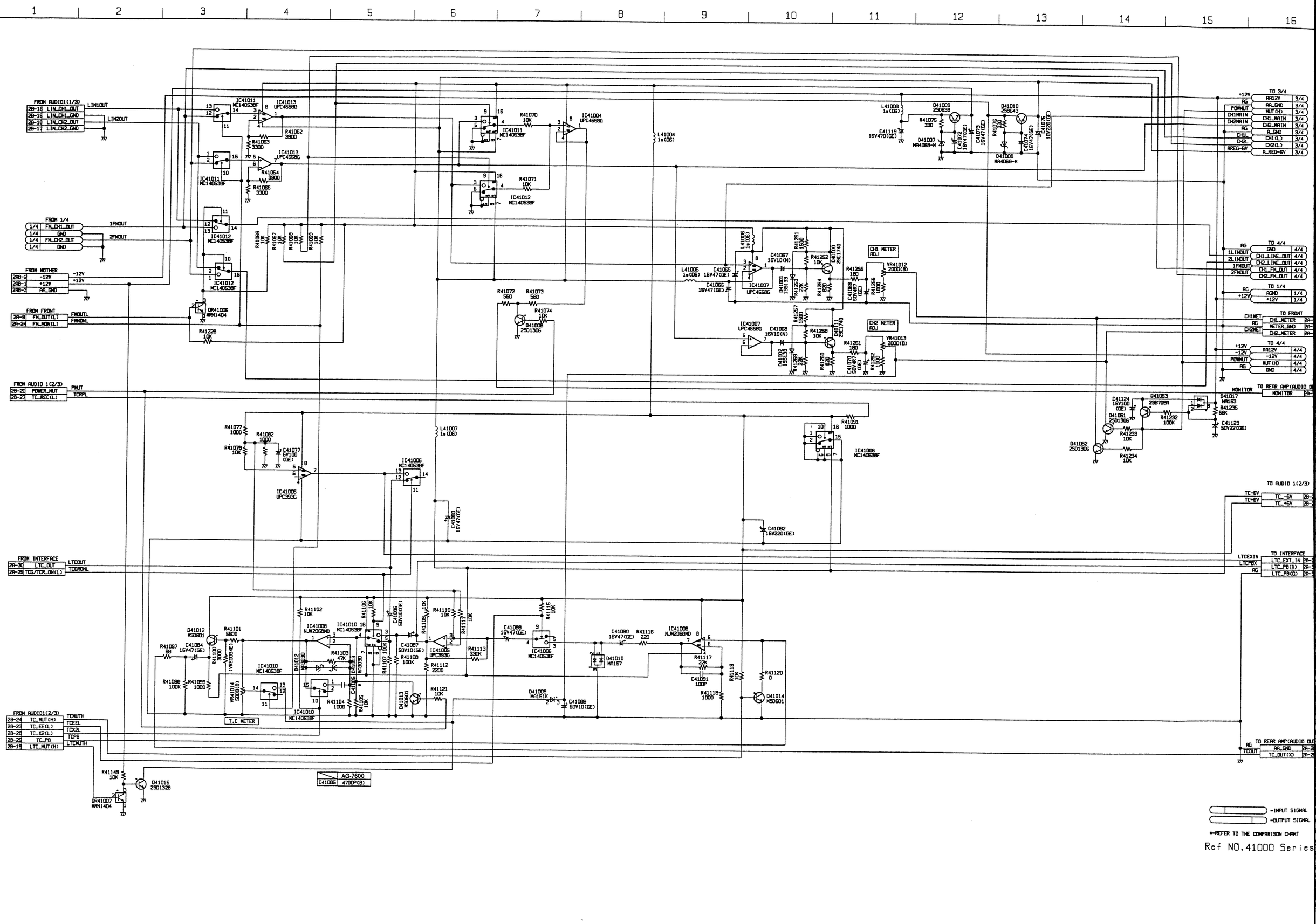
AUDIO (2) FM AUDIO DC VOLTAGE CHART

REF. NO.	IC41001									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	4.6	4.6	4.6	4.6	0	4.6	4.6	4.6	4.6	0.2
REC	4.6	4.6	4.6	4.6	0	4.6	4.6	4.6	4.6	0.2
REF. NO.	IC41001									
MODE	11	12	13	14	15	16	17	18	19	20
STOP	4.6	4.6	4.6	0	4.6	4.5	4.6	4.6	2.5	0
REC	4.6	4.6	4.6	0	4.6	2.5	4.6	4.6	2.5	0
REF. NO.	IC41001									
MODE	21	22	23	24	25	26	27	28	29	30
STOP	2.5	2.5	5.0	2.6	0	3.2	5.0	5.0	3.0	4.5
REC	2.5	2.5	5.0	2.6	0	3.2	5.0	5.0	3.0	4.5
REF. NO.	IC41001									
MODE	31	32	33	34	35	36	37	38	39	40
STOP	0	4.5	0	0	2.5	2.7	3.4	0	3.2	0
REC	0	4.5	0	0	2.5	2.7	3.4	0	3.2	0
REF. NO.	IC41001									
MODE	41	42	43	44	45	46	47	48	49	50
STOP	2.6	5.0	2.5	2.5	0	2.5	4.6	4.6	4.5	4.6
REC	2.6	5.0	2.5	2.5	0	2.5	4.6	4.6	4.5	4.6
REF. NO.	IC41001									
MODE	51	52	53	54	55	56	57	58	59	60
STOP	0	4.6	4.6	4.6	0.2	4.6	4.6	4.6	4.6	0
REC	0	4.6	4.6	4.6	0.2	4.6	4.6	4.6	4.6	0
REF. NO.	IC41001									
MODE	61	62	63	64	65	66	67	68	69	70
STOP	4.6	4.6	5.9	5.9	0	5.9	0.1	5.9	5.9	0.4
REC	4.6	4.6	5.9	5.9	0	5.9	−0.1	5.9	5.9	0.5
REF. NO.	IC41001									
MODE	71	72	73	74	75	76	77	78	79	80
STOP	5.2	5.3	0	0	0.1	9.0	11.6	9.0	4.6	5.0
REC	5.2	5.3	0	0	0.1	8.9	11.5	9.0	4.6	5.0
REF. NO.	IC41002									
MODE	1	2	3							
STOP	5.0	0	11.6							
REC	5.0	0	11.5							
REF. NO.	IC41003									
MODE	1	2	3	4	5	6	7			
STOP	0	5.0	2.5	0	1.4	2.0	0			
REC	0	5.0	2.5	0	1.4	3.0	0			
REF. NO.	Q41001			Q41002			Q41003			
MODE	E	C	B	E	C	B	E	C	B	
STOP	11.6	0	11.6	0	0	−0.3	0	0	−0.2	
REC	11.6	11.4	10.7	0	0	−0.2	0	0	−0.2	
REF. NO.	Q41006			Q41007						
MODE	E	C	B	E	C	B				
STOP	1.3	5.0	2.0	1.8	5.0	2.4				
REC	2.4	5.0	3.0	1.8	5.0	2.4				
REF. NO.	QR41002			QR41003			QR41004			
MODE	E	C	B	E	C	B	E	C	B	
STOP	5.0	−0.1	5.2	5.0	5.0	0	0	5.1	0	
REC	5.0	−0.1	5.1	5.0	5.0	0	0	5.1	0	
REF. NO.	QR41012									
MODE	E	C	B							
STOP	0	0	5.2							
REC	0	0	5.1							

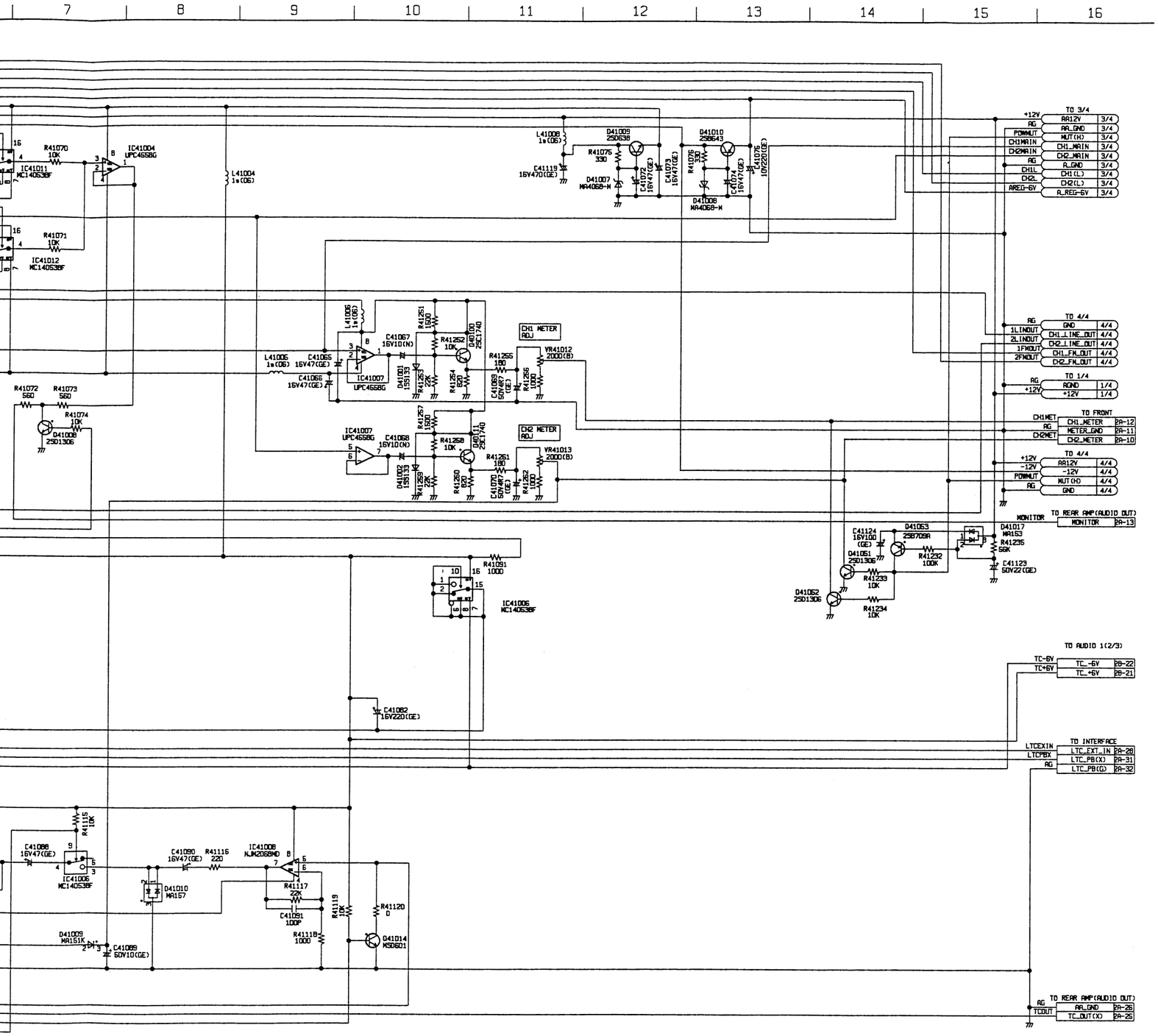
	AG-7600
FL41001	VLF0697
R41031	82K

=INPUT SIGNAL
=OUTPUT SIGNAL
*=REFER TO THE COMPARISON CHART
Ref No.41000 Serise.

AUDIO (2) TC (AG-7600) SCHEMATIC DIAGRAM 2/4 (E8: Page CBA-10)



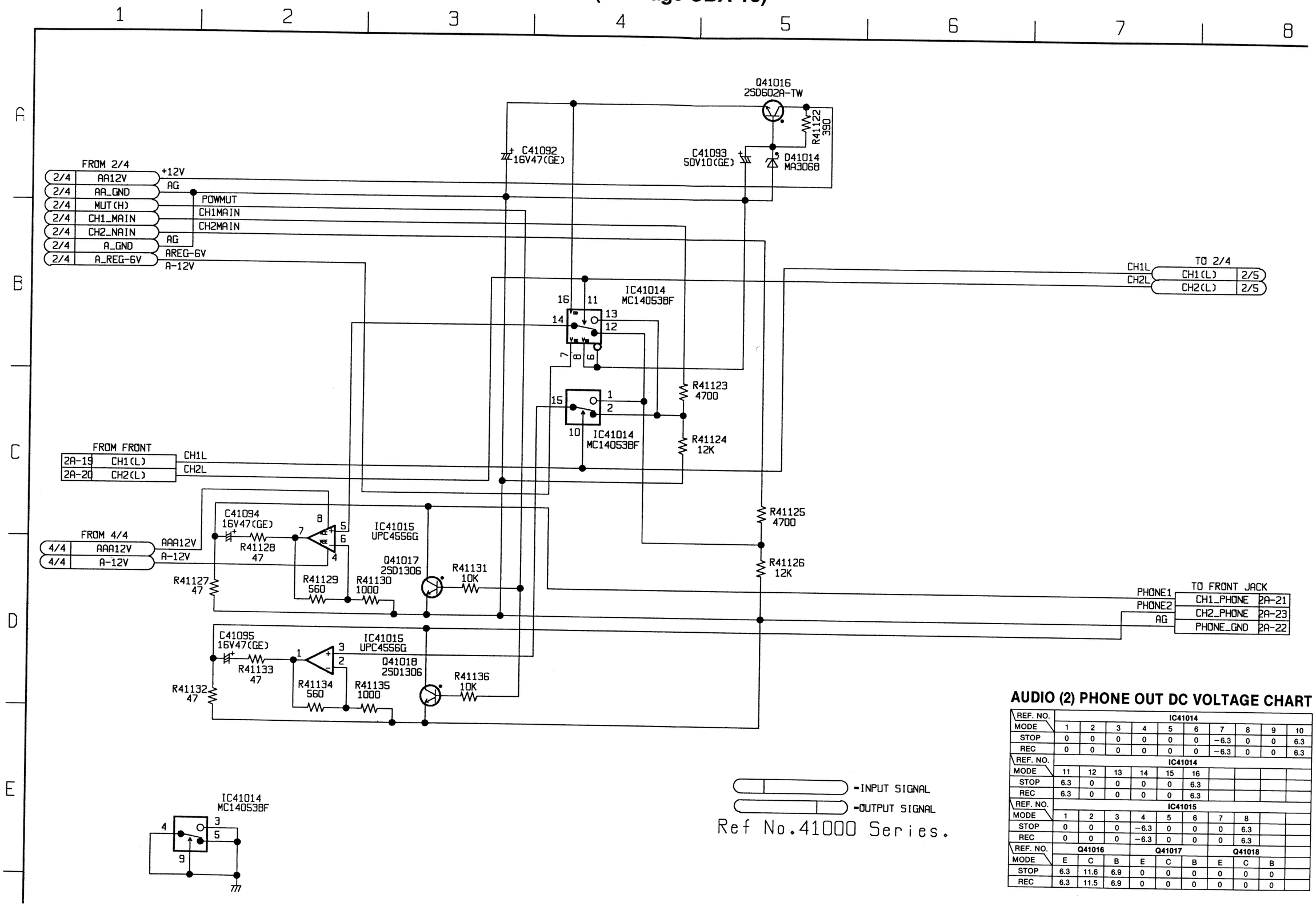
Ref NO.41000 Series



AUDIO (2) TC DC VOLTAGE CHART

REF. NO.	IC41004									IC41005								
MODE	1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8	
STOP	0	0	0	−6.3	0.8	0.7	5.8	6.3		0	3.0	2.9	0	3.0	3.0	0	6.0	
REC	0	0	0	−6.3	0.8	0.7	5.8	6.3		0.5	3.0	2.9	0	2.9	3.0	0	5.9	
REF. NO.	IC41006																	
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
STOP	0	0	0	0	0	0	−6.1	0	0	0	0	0	0	0	0	6.0		
REC	0	0	0	0	0	0	−6.1	0	0	0	0	0.5	0	0	0	5.9		
REF. NO.	IC41007									IC41008								
MODE	1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8	
STOP	0	0	0	−6.3	0	0	0	6.3		0.1	0	0	−6.1	0	0	0	6.0	
REC	0	0	0	−6.3	0	0	0	6.3		0	0	0	−6.1	0	0	0.1	5.9	
REF. NO.	IC41010																	
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
STOP	0.1	0	0	0	0	0	−6.1	0	0	6.0	0	0.1	0	0.1	0.1	6.0		
REC	0	0	0	0	0	0	−6.1	0	0	5.9	0	0	0	0	0	5.9		
REF. NO.	IC41011																	
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
STOP	0	0	0	0	0	0	−6.3	0	6.3	0	0	0	0	0	0	6.3		
REC	0	0	0	0	0	0	−6.3	0	6.3	0	0	0	0	0	0	6.3		
REF. NO.	IC41012																	
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
STOP	0	0	0	0	0	0	−6.3	0	6.3	6.3	6.3	0	0	0	0	6.3		
REC	0	0	0	0	0	0	−6.3	0	6.3	6.3	6.3	0	0	0	0	6.3		
REF. NO.	IC41013																	
MODE	1	2	3	4	5	6	7	8										
STOP	0	0	0	−6.3	0	0	0	6.3										
REC	0	0	0	−6.3	0	0	0	6.3										
REF. NO.	Q41008			Q41009			Q41010			Q41012			Q41013			Q41014		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	0	0	0	6.3	10.9	6.9	−6.3	−12.2	−7.0	−0.6	6.0	0	0	0	0	0	0	0.7
REC	0	0	0	6.3	10.8	6.9	−6.3	−12.2	−7.0	−0.7	5.9	0	0	0	0	0	0	0.7
REF. NO.	Q41015			Q41051			Q41052			Q41053								
MODE	E	C	B	E	C	B	E	C	B	E	C	B						
STOP	0	0	0.7	0	0.2	−0.4	0	0.1	−0.3	11.2	−0.2	11.4						
REC	0	0	0.7	0	0.2	−0.2	0	0.1	−0.1	11.1	−0.4	11.4						
REF. NO.	QR41006			QR41007														
MODE	E	C	B	E	C	B												
STOP	0	0	5.2	0	0.7	0												
REC	0	0	5.2	0	0.7	0												

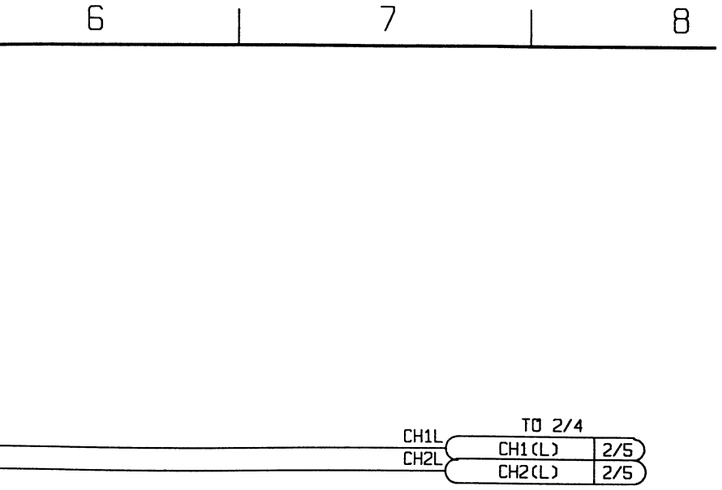
AUDIO (2) PHONE OUT (AG-7600) SCHEMATIC DIAGRAM 3/4 (E8: Page CBA-10)

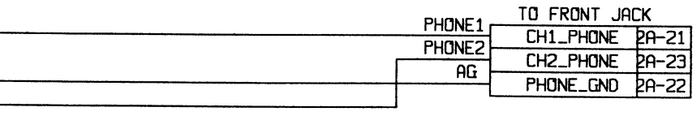


AUDIO (2) PHONE OUT DC VOLTAGE CHART

REF. NO.	IC41014									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0	0	0	0	0	0	−6.3	0	0	6.3
REC	0	0	0	0	0	0	−6.3	0	0	6.3
REF. NO.	IC41014									
MODE	11	12	13	14	15	16				
STOP	6.3	0	0	0	0	6.3				
REC	6.3	0	0	0	0	6.3				
REF. NO.	IC41015									
MODE	1	2	3	4	5	6	7	8		
STOP	0	0	0	−6.3	0	0	0	6.3		
REC	0	0	0	−6.3	0	0	0	6.3		
REF. NO.	Q41016			Q41017			Q41018			
MODE	E	C	B	E	C	B	E	C	B	
STOP	6.3	11.6	6.9	0	0	0	0	0	0	
REC	6.3	11.5	6.9	0	0	0	0	0	0	

AUDIO (2) OUTPUT (AG-7600) SCHEMATIC DIAGRAM 4/4 (E8: Page CBA-10)

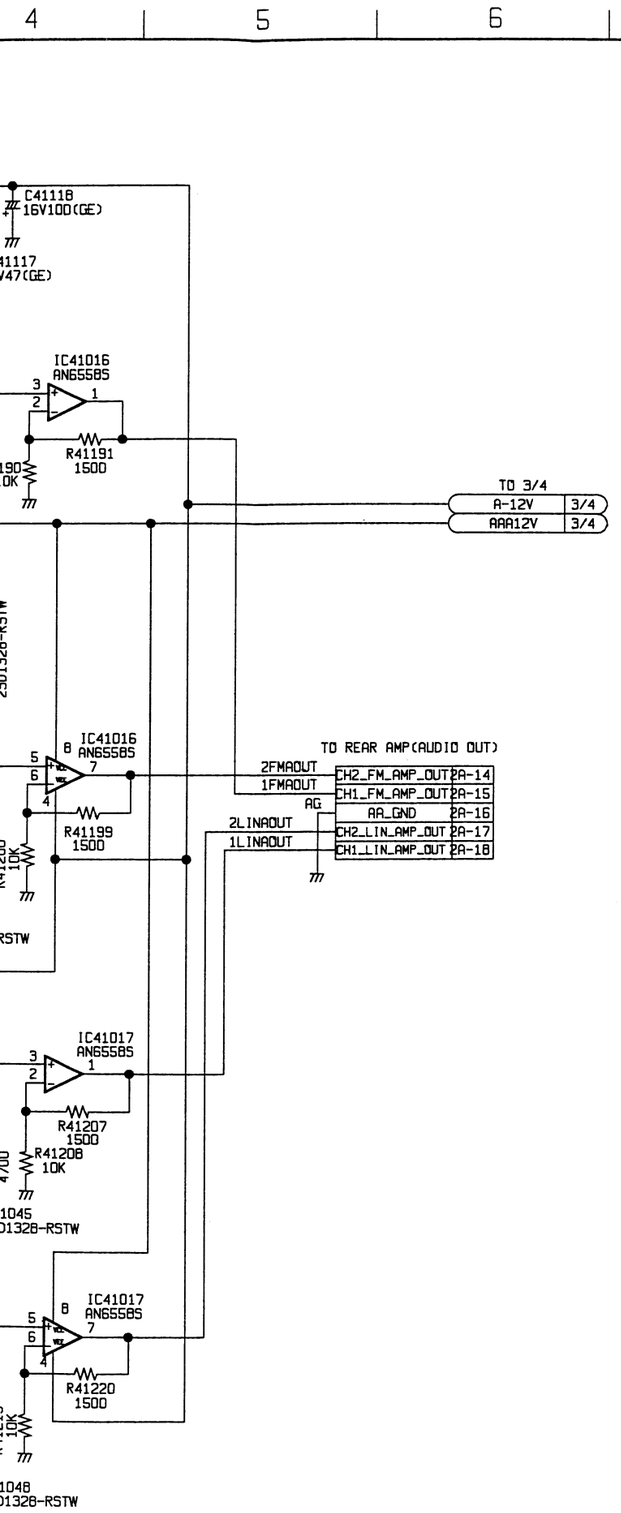




AUDIO (2) PHONE OUT DC VOLTAGE CHART

REF. NO.	IC41014									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0	0	0	0	0	0	−6.3	0	0	6.3
REC	0	0	0	0	0	0	−6.3	0	0	6.3
REF. NO.	IC41014									
MODE	11	12	13	14	15	16				
STOP	6.3	0	0	0	0	6.3				
REC	6.3	0	0	0	0	6.3				
REF. NO.	IC41015									
MODE	1	2	3	4	5	6	7	8		
STOP	0	0	0	−6.3	0	0	0	6.3		
REC	0	0	0	−6.3	0	0	0	6.3		
REF. NO.	Q41016			Q41017			Q41018			
MODE	E	C	B	E	C	B	E	C	B	
STOP	6.3	11.6	6.9	0	0	0	0	0	0	
REC	6.3	11.5	6.9	0	0	0	0	0	0	

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P41003

		2 A	No	2 B		
2/5	+12V	AA12V	1	AA12V	+12V	2/5
2/5	-12V	-12V	2	-12V	-12V	2/5
2/5	AG	AA_GND	3	AA_GND	AG	2/5
1/5	PBFML	PB_FM(L)	4	V_HSW	VHSW	1/5
1/5	AG	VR_GND	5	H_SW	HSW	1/5
1/5	FMREF	HIFI_VR_REF	6	FM_DREC(L)	FMDRPL	1/5
1/5	FM1VR	HIFI_CH1_VR	7	FM_EE(L)	FMEEL	1/5
1/5	FM2VR	HIFI_CH2_VR	8	FM_MUT(L)	FMMUTL	1/5
2/5	FMOUTL	FM_OUT(L)	9	FM_REC(L)	FMRPL	1/5
2/5	CH2MET	CH2_METER	10	S_CASS(H)	SCASH	1/5
2/5	AG	METER_GND	11	TRIC(L)	TRICL	1/5
2/5	CH1MET	CH1_METER	12	FM_CH1_IN	FM1IN	1/5
2/5	MONITOR	MONITOR	13	AA_GND	AG	1/5
5/5	2FMAOUT	CH2_FM_AMP_OUT	14	FM_CH2_IN	FM2IN	1/5
5/5	1FMAOUT	CH1_FM_AMP_OUT	15	LIN_CH1_GND	AG	2/5
5/5	AG	AA_GND	16	LIN_CH1_OUT	LIN1OUT	2/5
5/5	2LINAOUT	CH2_LIN_AMP_OUT	17	LIN_CH2_GND	AG	2/5
5/5	1LINAOUT	CH1_LIN_AMP_OUT	18	LIN_CH2_OUT	LIN2OUT	2/5
3/5	CH1L	CH1(L)	19	LTC_MUT(H)	LTCMUTH	2/5
3/5	CH2L	CH2(L)	20	POWER_MUT	PMUT	2/5
3/5	PHONE1	CH1_PHONE	21	TC_+6V	TC+6V	2/5
3/5	AG	PHONE_GND	22	TC_-6V	TC-6V	2/5
3/5	PHONE2	CH2_PHONE	23	TC_EE(L)	TCEEL	2/5
2/5	FMMONL	FM_MON(L)	24	TC_MUT(H)	TCMUTH	2/5
2/5	TCOUT	TC_OUT(X)	25	TC_PB	TCPB	2/5
2/5	AG	AA_GND	26	TC_REC_OUT	TCREC	2/5
2/5	TCIN	TC_IN(X)	27	TC_REC(L)	TCRPL	2/5
2/5	LTCEXIN	LTC_EXT_IN	28	TCX2(L)	TCX2L	2/5
2/5	TCGRONL	TCG/TCR_ON(L)	29	FLY_OSC	FLYOSC	4/5
2/5	LTCOUT	LTC_OUT	30	VERSR	VERSR	4/5
2/5	LTCPBX	LTC_PB(X)	31	VERSL	VERSL	4/5
2/5	AG	LTC_PB(G)	32	FLY_GND	FLEG	4/5

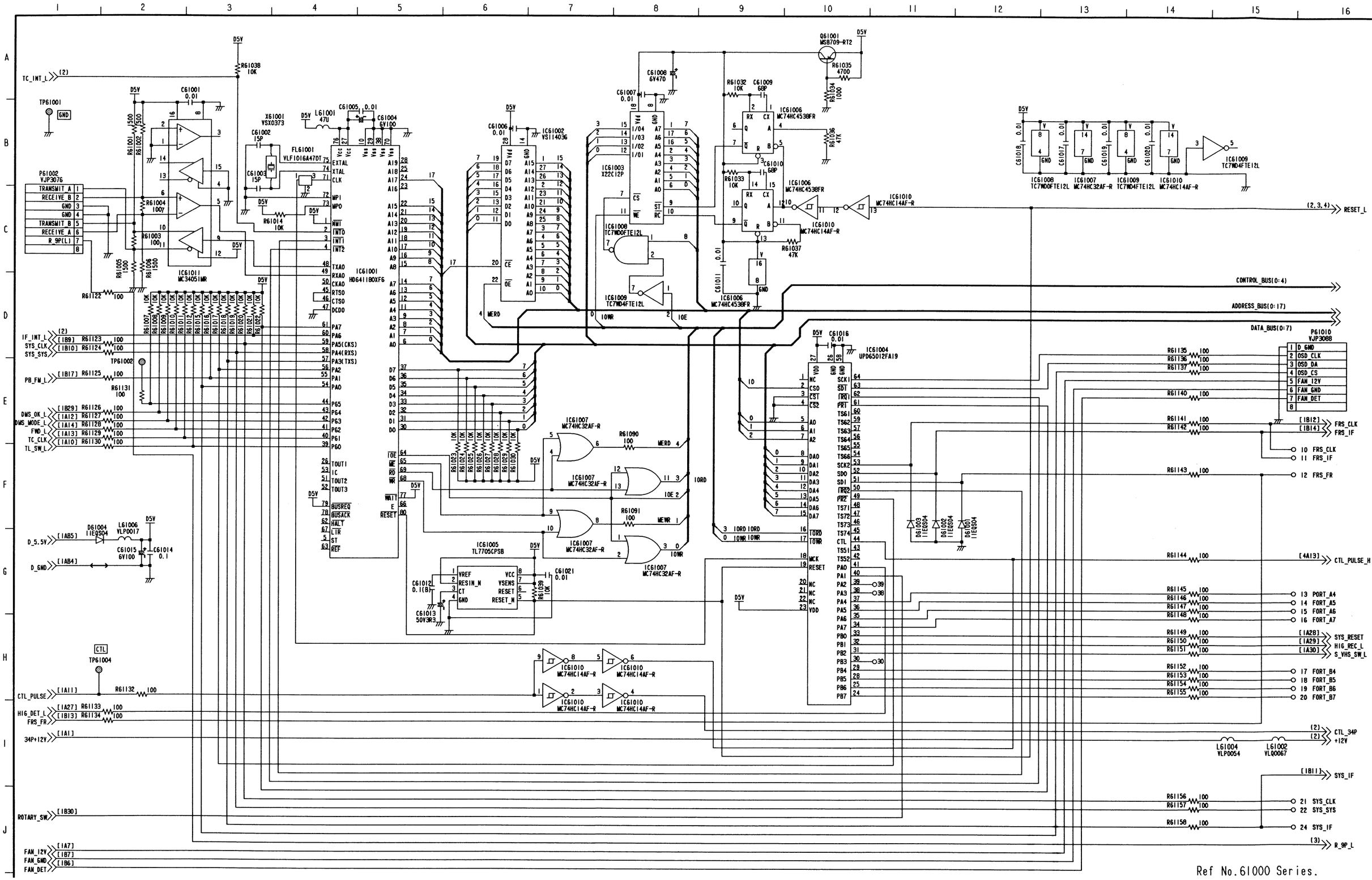
AUDIO (2) OUTPUT DC VOLTAGE CHART

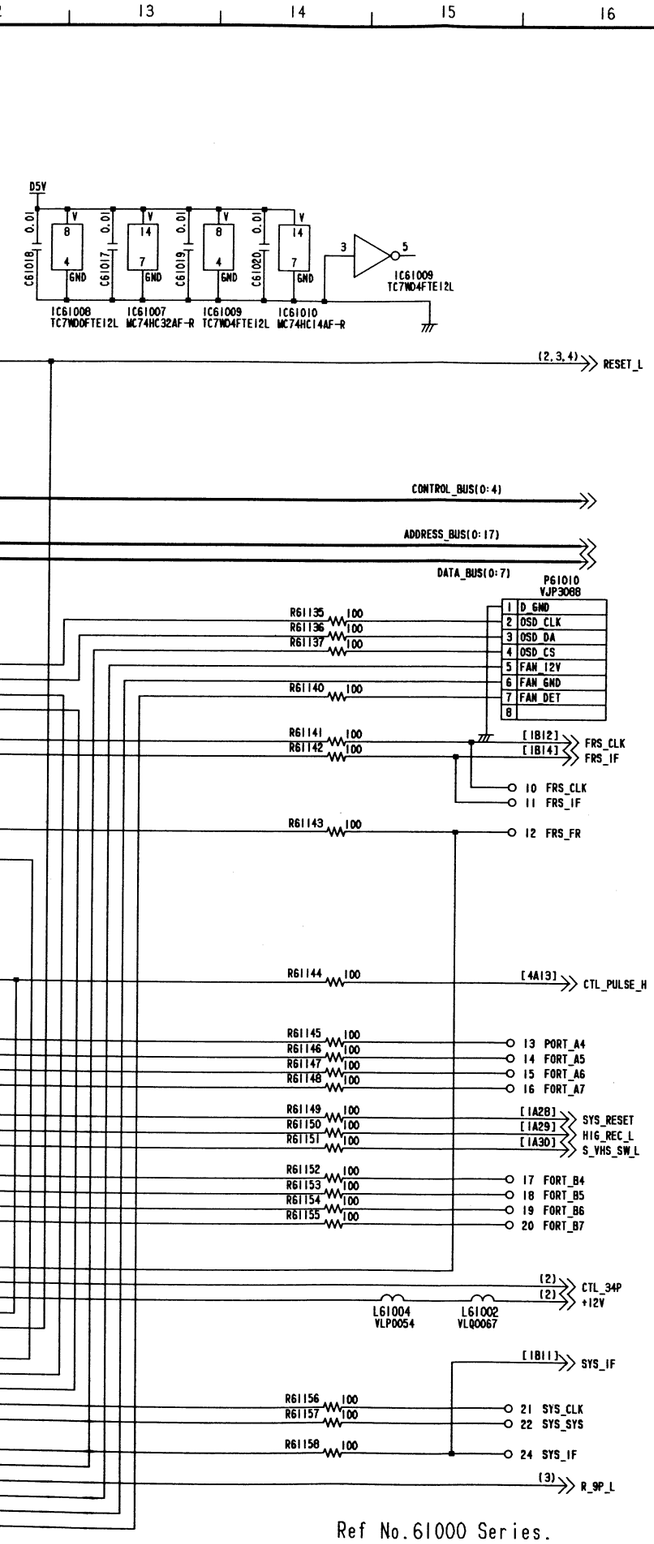
REF. NO.	IC41016									
MODE	1	2	3	4	5	6	7	8		
STOP	0	0	0	−11.5	0	0	0	10.9		
REC	0	0	0	−11.5	0	0	0	10.8		
REF. NO.	IC41017									
MODE	1	2	3	4	5	6	7	8		
STOP	0	0	0	−11.5	0	0	0	10.9		
REC	0	0	0	−11.5	0	0	0	10.8		
REF. NO.	Q41036			Q41037			Q41038			
MODE	E	C	B	E	C	B	E	C	B	
STOP	−11.5	−12.2	−12.2	0	0	−0.2	0	0	0.7	
REC	−11.5	−12.2	−12.2	0	0	−0.2	0	0	0.7	
REF. NO.	Q41039			Q41040			Q41041			
MODE	E	C	B	E	C	B	E	C	B	
STOP	0	0	−11.5	0	0	0	0	0	0.7	
REC	0	0	−11.5	0	0	−0.1	0	0	0.7	
REF. NO.	Q41042			Q41043			Q41044			
MODE	E	C	B	E	C	B	E	C	B	
STOP	0	0	−11.5	0	0	0	0	0	0.7	
REC	0	0	−11.5	0	0	0	0	0	0.7	
REF. NO.	Q41045			Q41046			Q41047			
MODE	E	C	B	E	C	B	E	C	B	
STOP	0	0	−11.5	0	0	−0.2	0	0	0.7	
REC	0	0	−11.5	0	0	0	0	0	0.7	
REF. NO.	Q41048			Q41049						
MODE	E	C	B	E	C	B	E	C	B	
STOP	0	0	−11.5	10.9	11.6	11.6				
REC	0	0	−11.5	10.8	11.5	11.5				

=INPUT SIGNAL
=OUTPUT SIGNAL

Ref No.41000 Series.

INTERFACE-1 SCHEMATIC DIAGRAM 1/6 (E9: Page CBA-11)



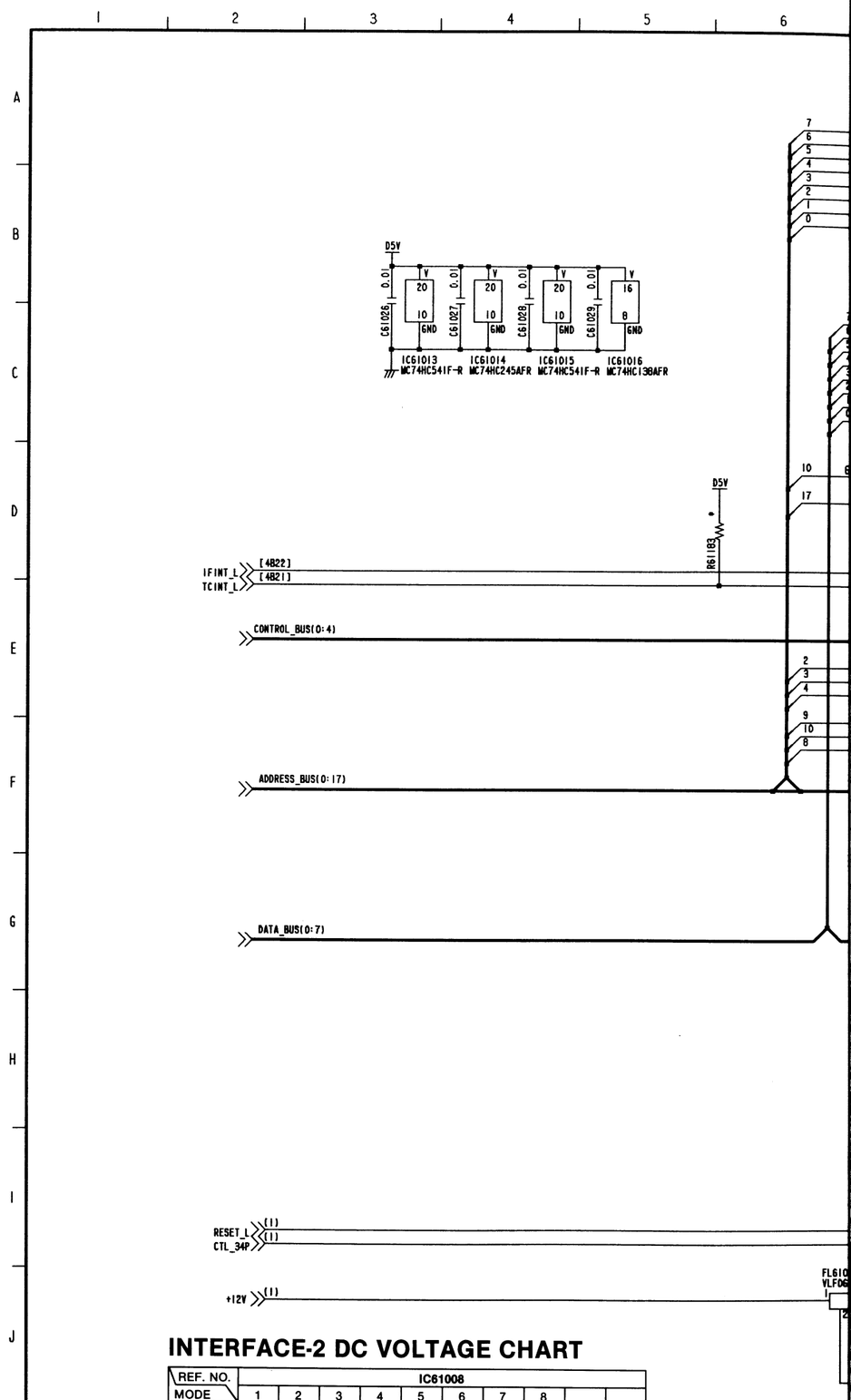


Ref No.61000 Series.

INTERFACE-1 DC VOLTAGE CHART

REF. NO.	IC61002									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0.7	1.8	3.4	2.5	2.8	2.5	2.6	2.7	2.7	2.6
REC	0.7	1.8	3.4	2.5	2.8	2.5	2.6	2.7	2.7	2.6
REF. NO.	IC61002									
MODE	11	12	13	14	15	16	17	18	19	20
STOP	2.1	2.7	2.1	0	2.8	1.9	2.5	1.9	2.0	0.6
REC	2.1	2.7	2.1	0	2.8	1.9	2.5	1.9	2.0	0.6
REF. NO.	IC61002									
MODE	21	22	23	24	25	26	27	28		
STOP	2.1	2.1	1.0	3.6	3.3	0.7	0.8	5.1		
REC	2.1	2.1	1.0	3.6	3.3	0.7	0.8	5.1		
REF. NO.	IC61003									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	3.4	2.5	2.6	2.6	2.7	2.6	5.1	0	5.1	5.1
REC	3.4	2.5	2.6	2.6	2.7	2.6	5.1	0	5.1	5.1
REF. NO.	IC61003									
MODE	11	12	13	14	15	16	17	18		
STOP	5.1	2.1	2.8	2.0	2.8	2.8	2.5	5.1		
REC	5.1	2.1	2.8	2.0	2.8	2.8	2.5	5.1		
REF. NO.	IC61005									
MODE	1	2	3	4	5	6	7	8		
STOP	2.5	5.1	3.1	0	5.1	0	5.1	5.1		
REC	2.5	5.1	3.1	0	5.1	0	5.1	5.1		
REF. NO.	IC61008									
MODE	1	2	3	4	5	6	7	8		
STOP	3.3	0.1	5.1	0	2.9	0.6	5.1	5.1		
REC	3.3	0.1	5.1	0	2.9	0.6	5.1	5.1		
REF. NO.	IC61011									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0	0	0.1	0	4.5	2.6	2.4	0	5.0	3.3
REC	0	0	0.1	0	4.5	2.6	2.4	0	5.0	3.3
REF. NO.	IC61011									
MODE	11	12	13	14	15	16				
STOP	0.3	5.1	0.2	0.2	0	5.1				
REC	0.3	5.1	0.2	0.2	0	5.1				
REF. NO.	Q61001									
MODE	E	C	B							
STOP	5.1	5.1	4.3							
REC	5.1	5.1	4.3							

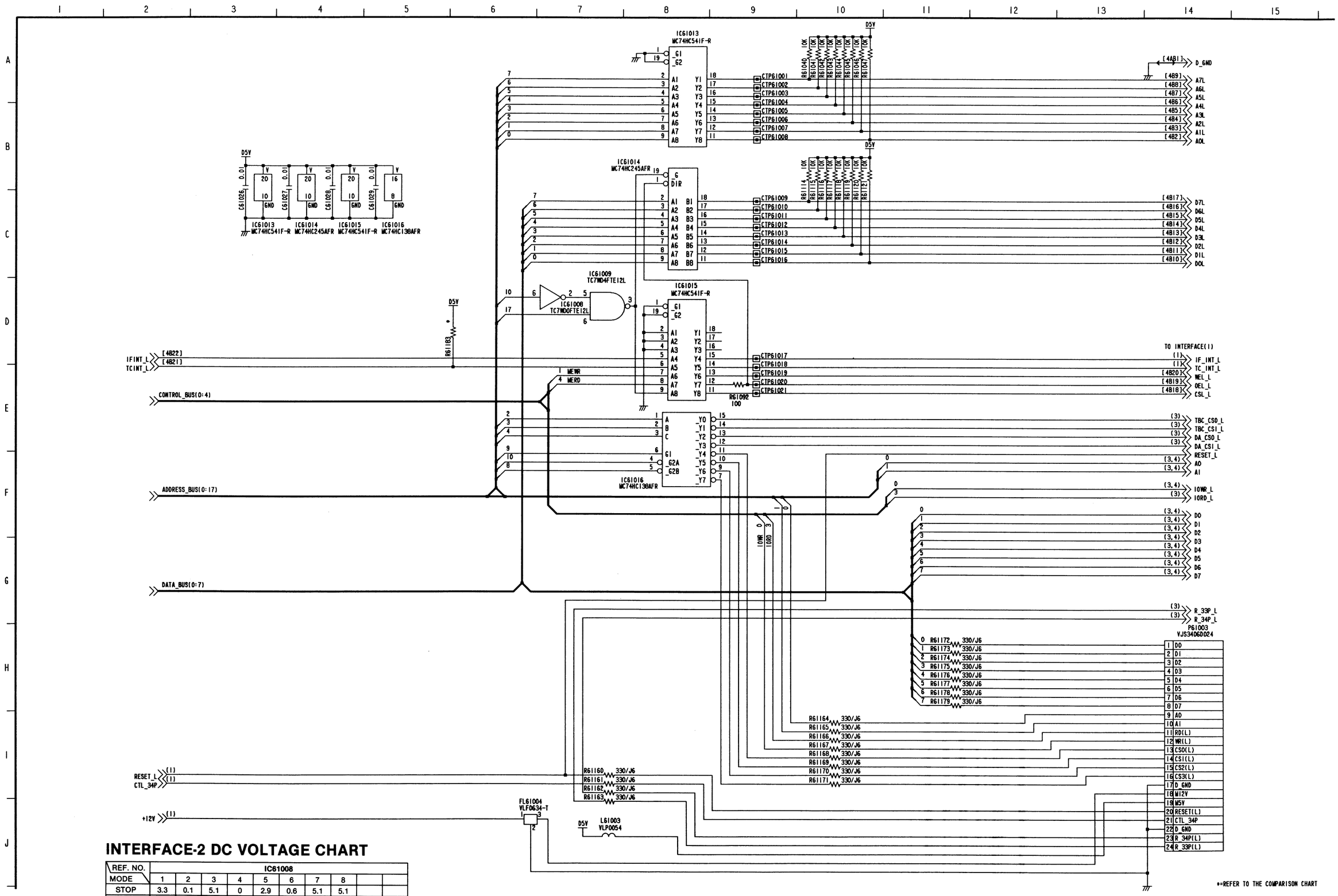
INTERFACE-2 SCHEMATIC DIAGRAM 2/6 (E9: Page CBA



INTERFACE-2 DC VOLTAGE CHART

REF. NO.	IC61008									
MODE	1	2	3	4	5	6	7	8		
STOP	3.3	0.1	5.1	0	2.9	0.6	5.1	5.1		
REC	3.3	0.1	5.1	0	2.9	0.6	5.1	5.1		

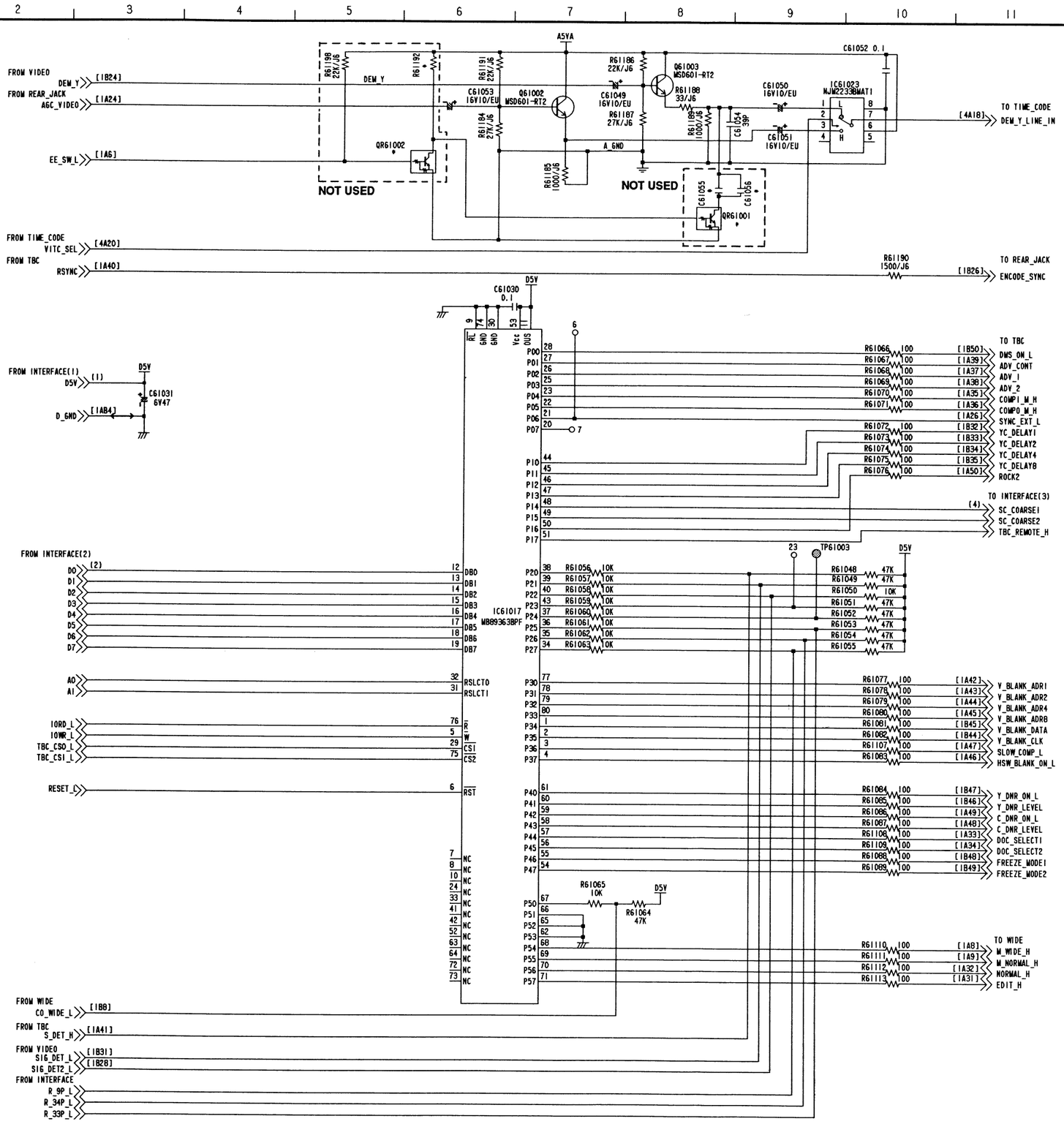
INTERFACE-2 SCHEMATIC DIAGRAM 2/6 (E9: Page CBA-11)



INTERFACE-2 DC VOLTAGE CHART

REF. NO.	IC61008									
MODE	1	2	3	4	5	6	7	8		
STOP	3.3	0.1	5.1	0	2.9	0.6	5.1	5.1		
REC	3.3	0.1	5.1	0	2.9	0.6	5.1	5.1		

INTERFACE-3 SCHEMATIC DIAGRAM 3/6 (E9: Page CBA-11)



INTERFACE-3 DC VOLTAGE CHA

REF. NO.	IC61017							
MODE	1	2	3	4	5	6	7	8
STOP	5.1	5.1	0	5.1	5.1	5.1	0	0
REC	5.1	5.1	0	5.1	5.1	5.1	0	0
REF. NO.	IC61017							
MODE	11	12	13	14	15	16	17	18
STOP	5.1	2.1	2.8	2.1	2.8	1.9	2.5	1.
REC	5.1	2.1	2.8	2.1	2.8	1.9	2.5	1.
REF. NO.	IC61017							
MODE	21	22	23	24	25	26	27	28
STOP	5.1	5.1	5.1	0	5.1	5.1	5.1	0
REC	5.1	5.1	5.1	0	5.1	5.1	5.1	0
REF. NO.	IC61017							
MODE	31	32	33	34	35	36	37	38
STOP	2.7	2.6	0	0	5.0	5.0	5.0	5.
REC	2.7	2.6	0	0	5.1	5.1	5.1	5.
REF. NO.	IC61017							
MODE	41	42	43	44	45	46	47	48
STOP	0	0	5.0	5.1	5.1	5.1	5.1	5.
REC	0	0	5.0	5.1	5.1	5.1	5.1	5.
REF. NO.	IC61017							
MODE	51	52	53	54	55	56	57	58
STOP	5.1	0	5.1	5.1	5.1	5.1	5.1	5.
REC	5.1	0	5.1	5.1	5.1	5.1	5.1	5.
REF. NO.	IC61017							
MODE	61	62	63	64	65	66	67	68
STOP	5.1	0	0	0	0	0	4.9	0
REC	5.1	0	0	0	0	0	4.9	0
REF. NO.	IC61017							
MODE	71	72	73	74	75	76	77	78
STOP	5.0	0	0	0	5.1	5.1	5.1	5.
REC	5.0	0	0	0	5.1	5.1	5.1	5.
REF. NO.	IC61023							
MODE	1	2	3	4	5	6	7	8
STOP	2.9	0	3.0	0	0	5.0	2.2	0
REC	2.9	0	3.0	0	0	5.0	2.2	0

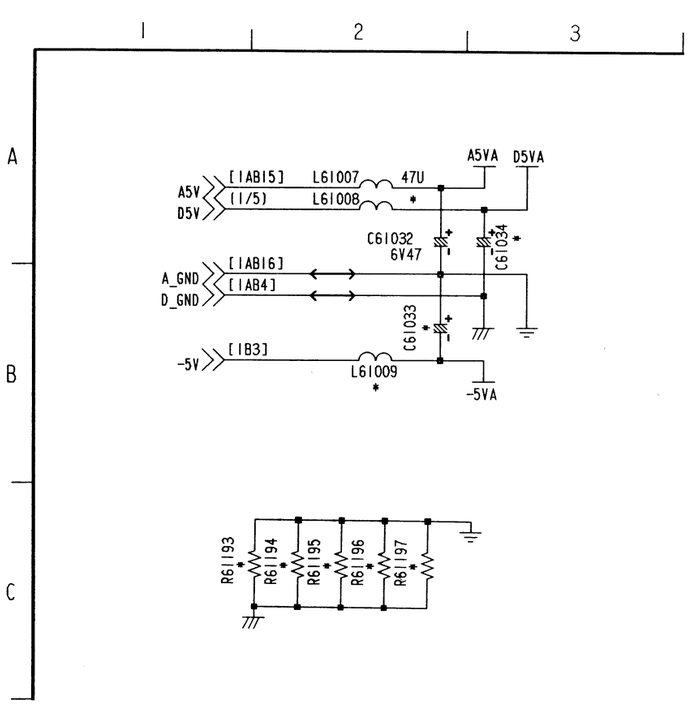
REF. NO.	Q61002			Q61003				
MODE	E	C	B	E	C	B		
STOP	2.0	5.0	2.7	2.0	5.0	2.6		
REC	2.0	5.0	2.7	2.0	5.0	2.6		

Ref No.61000 Series.

INTERFACE-3 DC VOLTAGE CHART

REF. NO.	IC61017									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	5.1	5.1	0	5.1	5.1	5.1	0	0	0	0
REC	5.1	5.1	0	5.1	5.1	5.1	0	0	0	0
REF. NO.	IC61017									
MODE	11	12	13	14	15	16	17	18	19	20
STOP	5.1	2.1	2.8	2.1	2.8	1.9	2.5	1.9	2.0	0
REC	5.1	2.1	2.8	2.1	2.8	1.9	2.5	1.9	2.0	0
REF. NO.	IC61017									
MODE	21	22	23	24	25	26	27	28	29	30
STOP	5.1	5.1	5.1	0	5.1	5.1	5.1	0	5.1	0
REC	5.1	5.1	5.1	0	5.1	5.1	5.1	0	5.1	0
REF. NO.	IC61017									
MODE	31	32	33	34	35	36	37	38	39	40
STOP	2.7	2.6	0	0	5.0	5.0	5.0	5.0	0	0.2
REC	2.7	2.6	0	0	5.1	5.1	5.1	5.0	0	0.2
REF. NO.	IC61017									
MODE	41	42	43	44	45	46	47	48	49	50
STOP	0	0	5.0	5.1	5.1	5.1	5.1	5.1	5.1	0
REC	0	0	5.0	5.1	5.1	5.1	5.1	5.1	5.1	0
REF. NO.	IC61017									
MODE	51	52	53	54	55	56	57	58	59	60
STOP	5.1	0	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
REC	5.1	0	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
REF. NO.	IC61017									
MODE	61	62	63	64	65	66	67	68	69	70
STOP	5.1	0	0	0	0	0	4.9	0	0	0
REC	5.1	0	0	0	0	0	4.9	0	0	0
REF. NO.	IC61017									
MODE	71	72	73	74	75	76	77	78	79	80
STOP	5.0	0	0	0	5.1	5.1	5.1	5.1	5.1	5.1
REC	5.0	0	0	0	5.1	5.1	5.1	5.1	5.1	5.1
REF. NO.	IC61023									
MODE	1	2	3	4	5	6	7	8		
STOP	2.9	0	3.0	0	0	5.0	2.2	0		
REC	2.9	0	3.0	0	0	5.0	2.2	0		
REF. NO.	Q61002			Q61003						
MODE	E	C	B	E	C	B				
STOP	2.0	5.0	2.7	2.0	5.0	2.6				
REC	2.0	5.0	2.7	2.0	5.0	2.6				

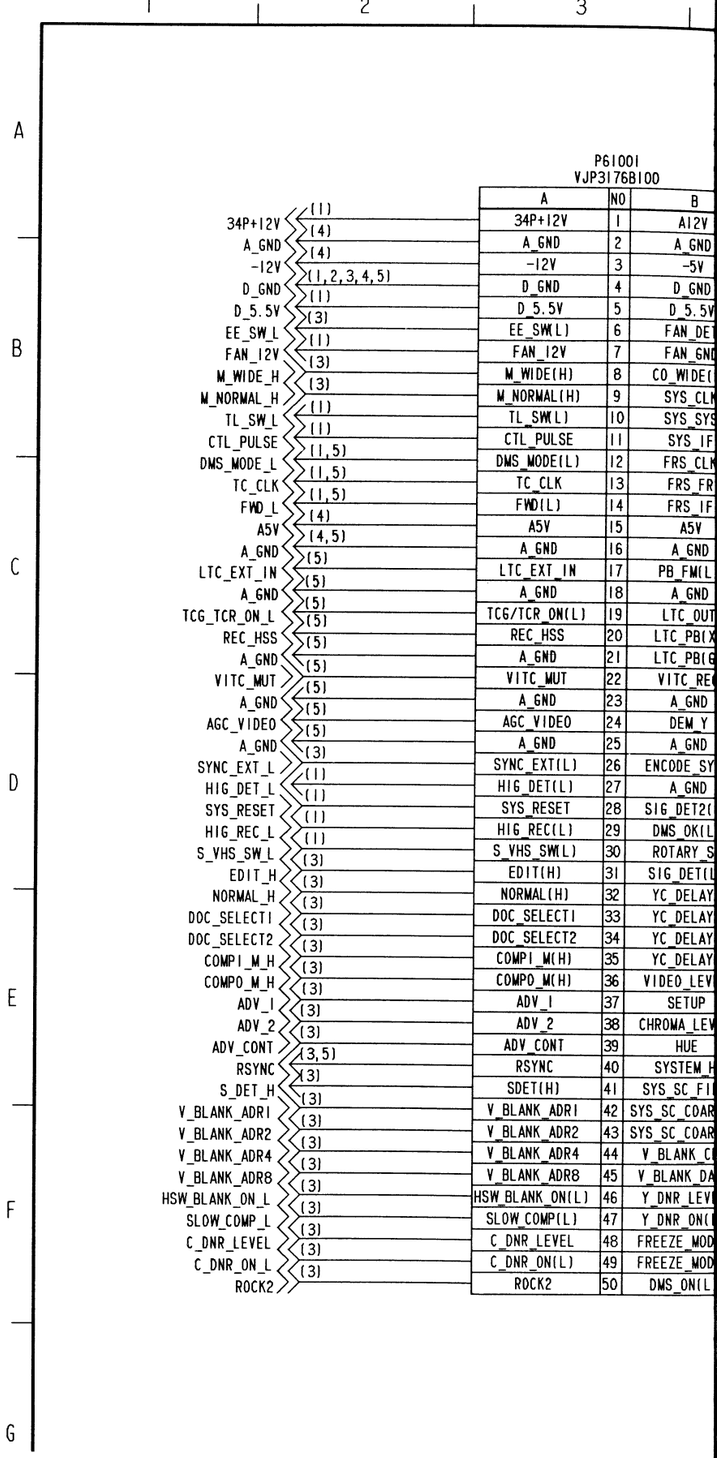
INTERFACE-4 SCHEMATIC DIAGRAM 4/6 (E9: Page CBA-11)



INTERFACE COMPARISON CHART 6/6 (E9: Page CBA-11)

REF	AG-7700, AG-7600
C61033	*PAT/EVV
C61034	*PAT/EVV
L61008	*PAT
L61009	*PAT
R61183	10K/J6
R61192	*PAT/J6
R61193	0/J6
R61194	0/J6
R61195	0/J6
R61196	0/J6
R61197	0/J6

INTERFACE-5 SCHEMATIC DIAGRAM 5/6 (



Ref No.61000 Series.

GRAM 4/6

ART 6/6

INTERFACE-5 SCHEMATIC DIAGRAM 5/6 (E9: Page CBA-11)

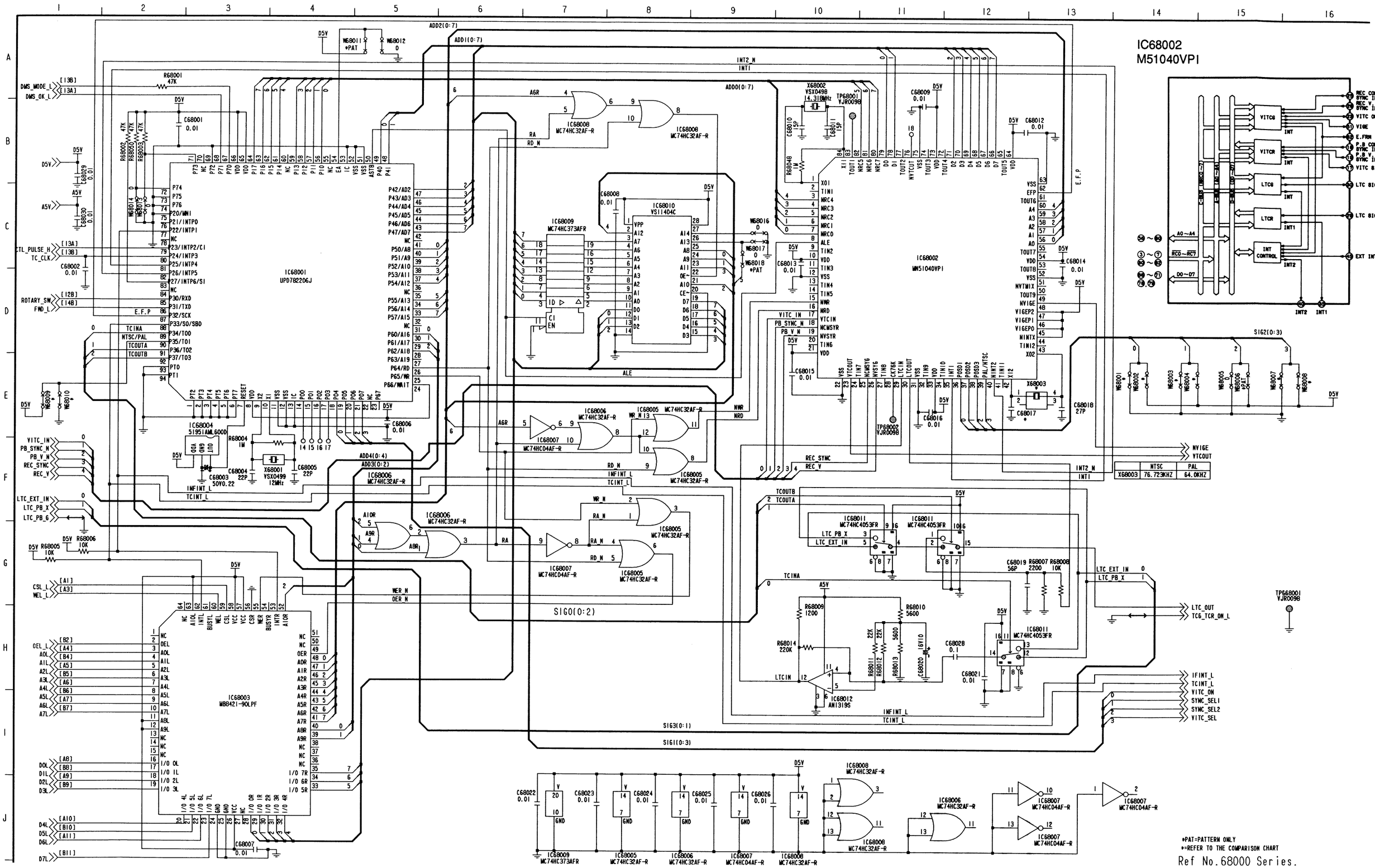
P61001
VJP3176B100

A	NO	B
34P+12V	1	A12V
A_GND	2	A_GND
-12V	3	-5V
D_GND	4	D_GND
D_5.5V	5	D_5.5V
EE_SW(L)	6	FAN_DET
FAN_12V	7	FAN_GND
M_WIDE(H)	8	CO_WIDE(L)
M_NORMAL(H)	9	SYS_CLK
TL_SW(L)	10	SYS_SYS
CTL_PULSE	11	SYS_IF
DMS_MODE(L)	12	FRS_CLK
TC_CLK	13	FRS_FR
FWD(L)	14	FRS_IF
A5V	15	A5V
A_GND	16	A_GND
LTC_EXT_IN	17	PB_FM(L)
A_GND	18	A_GND
TCG/TCR_ON(L)	19	LTC_OUT
REC_HSS	20	LTC_PB(X)
A_GND	21	LTC_PB(G)
VITC_MUT	22	VITC_REC
A_GND	23	A_GND
AGC_VIDEO	24	DEM_Y
A_GND	25	A_GND
SYNC_EXT(L)	26	ENCODE_SYNC
HIG_DET(L)	27	A_GND
SYS_RESET	28	SIG_DET2(L)
HIG_REC(L)	29	DMS_OK(L)
S_VHS_SW(L)	30	ROTARY_SW
EDIT(H)	31	SIG_DET(L)
NORMAL(H)	32	YC_DELAY1
DOC_SELECT1	33	YC_DELAY2
DOC_SELECT2	34	YC_DELAY4
COMP1_M(H)	35	YC_DELAY8
COMP0_M(H)	36	VIDEO_LEVEL
ADV_1	37	SETUP
ADV_2	38	CHROMA_LEVEL
ADV_CONT	39	HUE
RSYNC	40	SYSTEM_H
SDET(H)	41	SYS_SC_FINE
V_BLANK_ADR1	42	SYS_SC_COARSE1
V_BLANK_ADR2	43	SYS_SC_COARSE2
V_BLANK_ADR4	44	V_BLANK_CLK
V_BLANK_ADR8	45	V_BLANK_DATA
HSW_BLANK_ON(L)	46	Y_DNR_LEVEL
SLOW_COMP(L)	47	Y_DNR_ON(L)
C_DNR_LEVEL	48	FREEZE_MODE1
C_DNR_ON(L)	49	FREEZE_MODE2
ROCK2	50	DMS_ON(L)

P61004
VJS3505C060

A	NO	B
D_GND	1	D_GND
FWD(L)	2	A0L
TC_CLK	3	A1L
DMS_MODE(L)	4	A2L
A_GND	5	A3L
LTC_EXT_IN	6	A4L
A_GND	7	A5L
TCG/TCR_ON(L)	8	A6L
LTC_OUT	9	A7L
LTC_PB(X)	10	D0L
LTC_PB(G)	11	D1L
REC_HSS	12	D2L
A_GND	13	D3L
VITC_REC	14	D4L
A_GND	15	D5L
VITC_MUT	16	D6L
A_GND	17	D7L
DEM_Y/LINE_IN	18	CSL(L)
A_GND	19	OEL(L)
VITC_SEL	20	WEL(L)
A_GND	21	TCINT(L)
RSYNC	22	IFINT(L)
A_GND	23	CTL_PULSE
DMS_OK(L)	24	
ROTARY_SW	25	
A_GND	26	A_GND
A_GND	27	A_GND
A5V	28	A5V
D5V	29	D5V
D5V	30	D5V

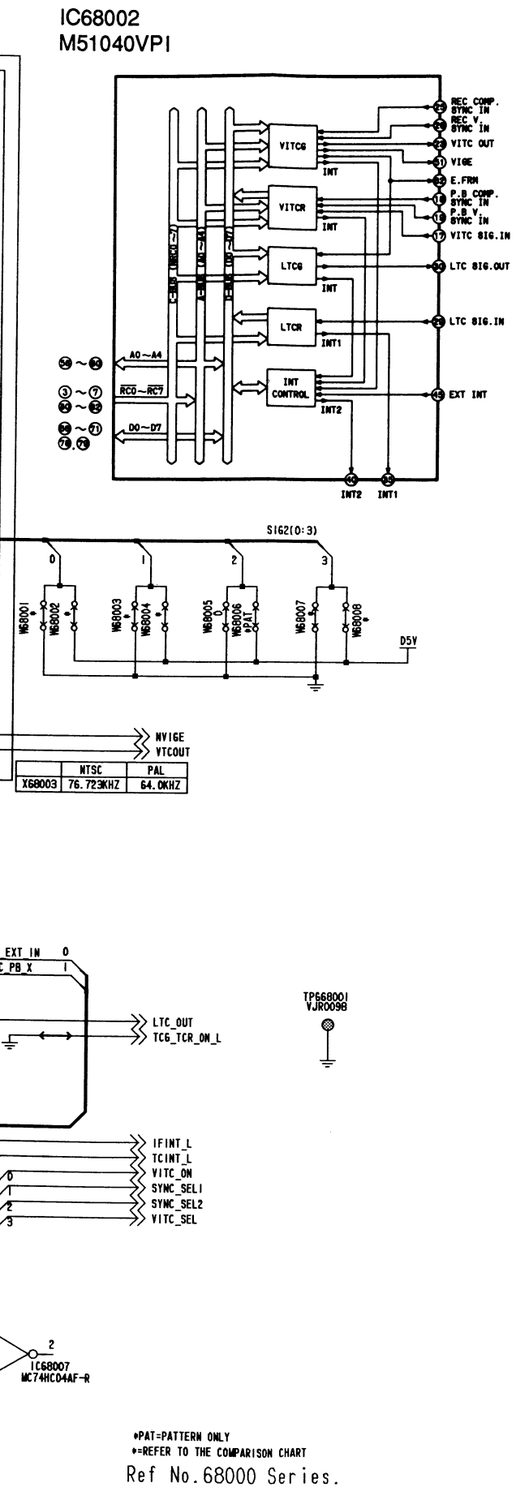
TIME CODE-1 SCHEMATIC DIAGRAM 1/3 (E10: Page CBA-11)



TIME CODE COMPARISON CHART 3/3 (E10: Page CBA-11)

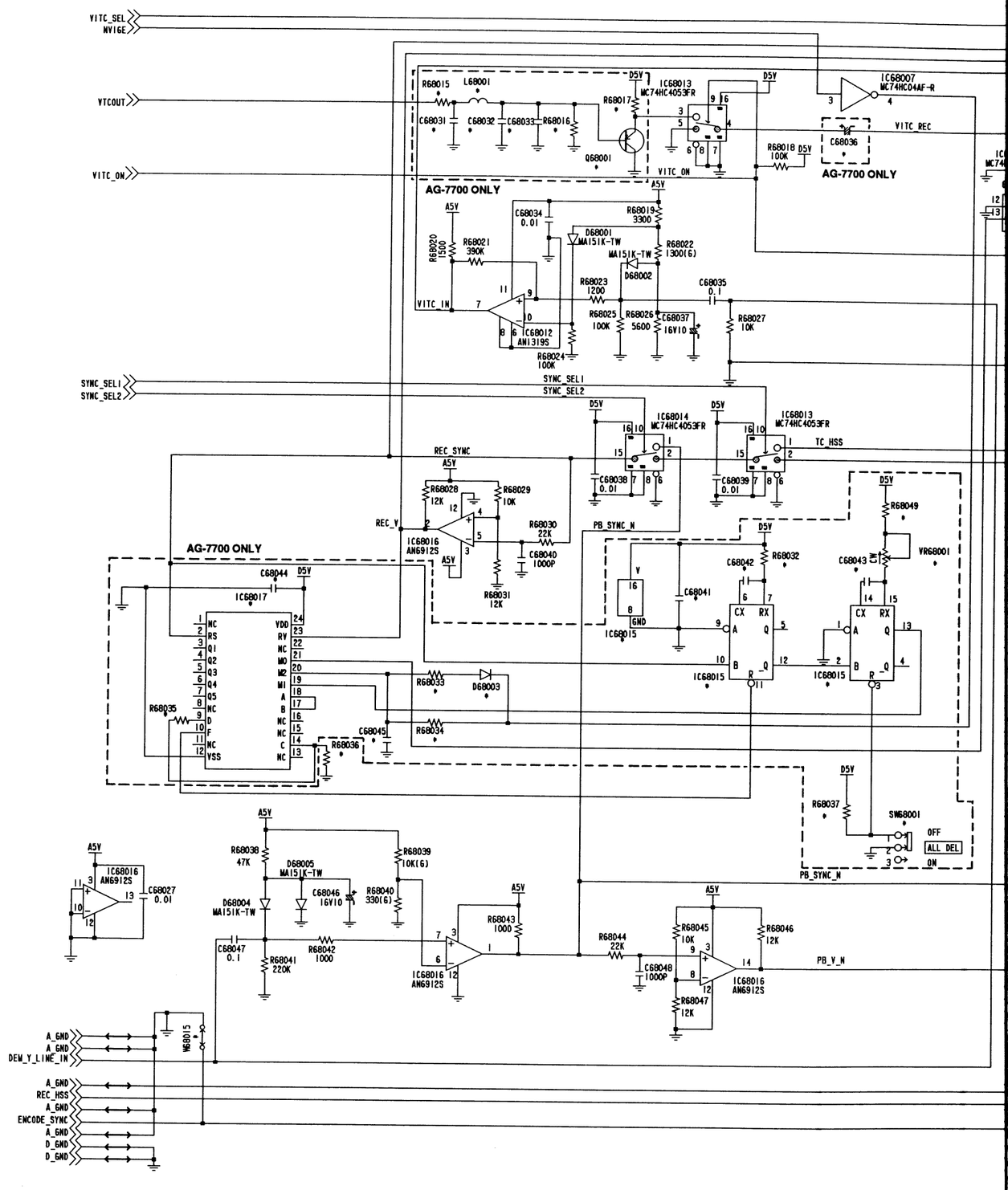
REF	AG-7700	AG-7600
C68017	22P/UN	22P/UN
C68031	5P/UN	*PAT/UN
C68032	56P/UN	*PAT/UN
C68033	6P/UN	*PAT/UN
C68036	50V2R2/EVV	*PAT/EVV
C68041	0.01/UFN	*PAT/UFN
C68042	1000P/UN	*PAT/UN
C68043	1000P/HU	*PAT/HU
C68044	0.01/UFN	*PAT/UFN
C68045	150P/UN	*PAT/UN
D68003	MA151K-TW	*PAT
IC68015	TC74HC221AFT	*PAT
IC68017	UPD65005X436	*PAT
L68001	220U/LC	*PAT/LC
Q68001	MSB709-RT2	*PAT
R68015	2700/J6	*PAT/J6
R68016	2700/J6	*PAT/J6
R68017	1000/J6	*PAT/J6
R68032	2000/RE	*PAT/RE
R68033	10K/RE	*PAT/RE
R68034	18K/RE	*PAT/RE
R68035	10K/J6	*PAT/J6
R68036	*PAT/J6	*PAT/J6
R68037	10K/J6	*PAT/J6
R68049	39K/J6	*PAT/J6
SW68001	VSS0342	*PAT
TP68003	VJR0098	*PAT
VR68001	20KB	*PAT
W68001	0/J6	0/J6
W68002	*PAT/J6	*PAT/J6
W68003	*PAT/J6	*PAT/J6
W68004	0/J6	0/J6
W68006	*PAT/J6	*PAT/J6
W68007	*PAT/J6	*PAT/J6
W68008	0/J6	0/J6
W68009	*PAT/J6	*PAT/J6
W68010	0/J6	0/J6
W68011	*PAT/J6	*PAT/J6
W68015	0/J6	0/J6
W68018	*PAT/J6	*PAT/J6
X68003	VSX0615-T	VSX0615-T

TIME CODE-2 SCHEMATIC DIAGRAM 2/3 (E10: Page CBA-11)

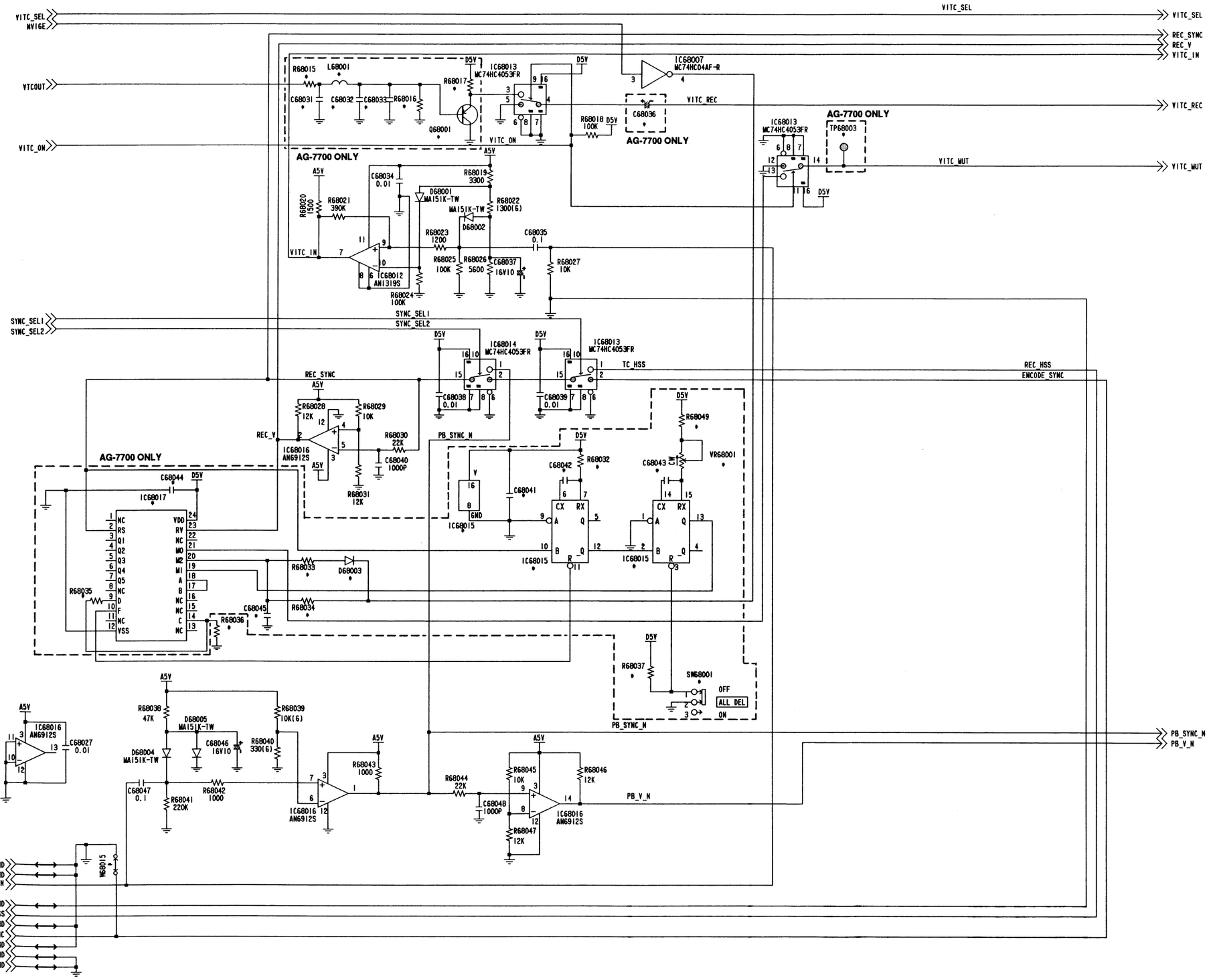


*PAT=PATTERN ONLY
*=REFER TO THE COMPARISON CHART

Ref No.68000 Series.



TIME CODE-2 SCHEMATIC DIAGRAM 2/3 (E10: Page CBA-11)

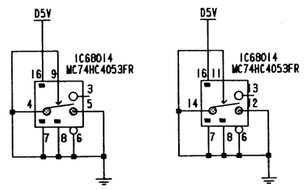


P68001
VJP3507C060

A	NO	B	
D_GND	1	D_GND	D_GND
FWD(L)	2	A0L	A0L
TC_CLK	3	A1L	A1L
DWS_MODE(L)	4	A2L	A2L
A_GND	5	A3L	A3L
LTC_EXT_IN	6	A4L	A4L
A_GND	7	A5L	A5L
TCG/TCR ON(L)	8	A6L	A6L
LTC_OUT	9	A7L	A7L
LTC_PB(X)	10	D0L	D0L
LTC_PB_G	11	D1L	D1L
REC_HSS	12	D2L	D2L
A_GND	13	D3L	D3L
VITC_REC	14	D4L	D4L
A_GND	15	D5L	D5L
VITC_MUT	16	D6L	D6L
A_GND	17	D7L	D7L
DEW_Y/LINE_IN	18	CSL(L)	CSL_L
A_GND	19	OEL(L)	OEL_L
VITC_SEL	20	WEL(L)	WEL_L
A_GND	21	TCINT(L)	TCINT_L
ENCODE_SYNC	22	IFINT(L)	IFINT_L
A_GND	23	CTL_PULSE	CTL_PULSE_H
DWS_OK(L)	24		
ROTARY_SW	25		
A_GND	26	A_GND	A_GND
A_GND	27	A_GND	A_GND
A5V	28	A5V	A5V
D5V	29	D5V	D5V
D5V	30	D5V	D5V

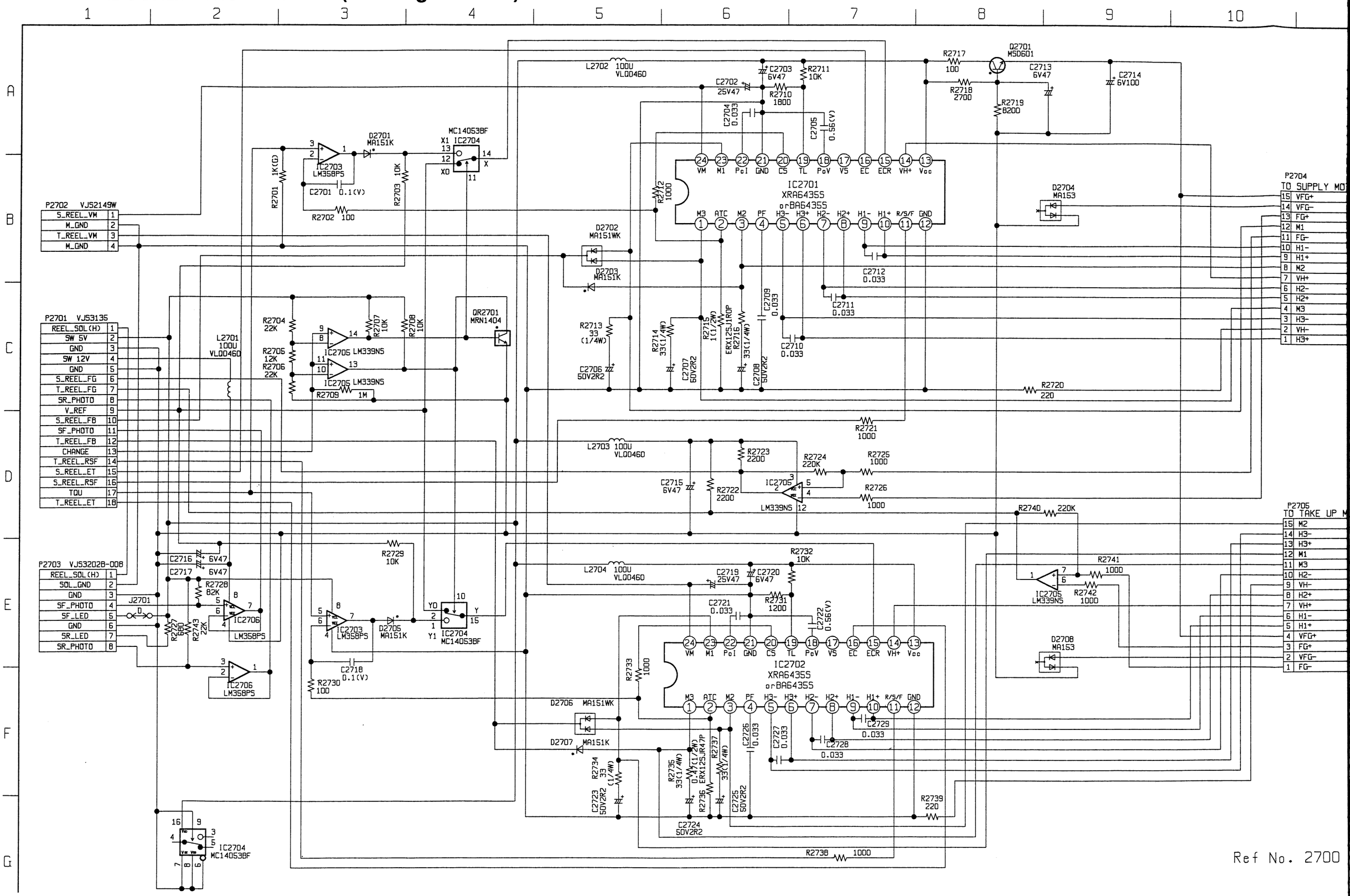
TIME CODE DC VOLTAGE CHART

REF. NO. / MODE	P61004									
	1A	2A	3A	4A	5A	6A	7A	8A	9A	10A
STOP	0	0.1	2.6	0.1	0	0	0	0	0	0
REC	0	0.1	2.6	0.1	0	0	0	0	0.5	0.5
REF. NO. / MODE	P61004									
	11A	12A	13A	14A	15A	16A	17A	18A	19A	20A
STOP	0	4.6	0	0	0	0	0	0	0	0
REC	0	4.6	0	0	0	0.2	0	0.9	0	0
REF. NO. / MODE	P61004									
	21A	22A	23A	24A	25A	26A	27A	28A	29A	30A
STOP	0	0	0	5.1	5.1	0	0	5.1	5.1	5.1
REC	0	0	0	5.1	5.1	0	0	5.1	5.1	5.1
REF. NO. / MODE	P61004									
	1B	2B	3B	4B	5B	6B	7B	8B	9B	10B
STOP	0	2.7	2.8	2.6	2.7	2.6	2.9	2.5	3.5	4.7
REC	0	2.7	2.8	2.6	2.7	2.6	2.9	2.5	3.5	4.7
REF. NO. / MODE	P61004									
	11B	12B	13B	14B	15B	16B	17B	18B	19B	20B
STOP	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	2.1	5.1
REC	5.1	5.1	5.1	5.0	5.0	5.0	5.0	5.1	2.1	5.0
REF. NO. / MODE	P61004									
	21B	22B	23B	24B	25B	26B	27B	28B	29B	30B
STOP	5.1	5.1	0	–	–	0	0	5.1	5.1	5.1
REC	5.1	5.1	0	–	–	0	0	5.1	5.1	5.1

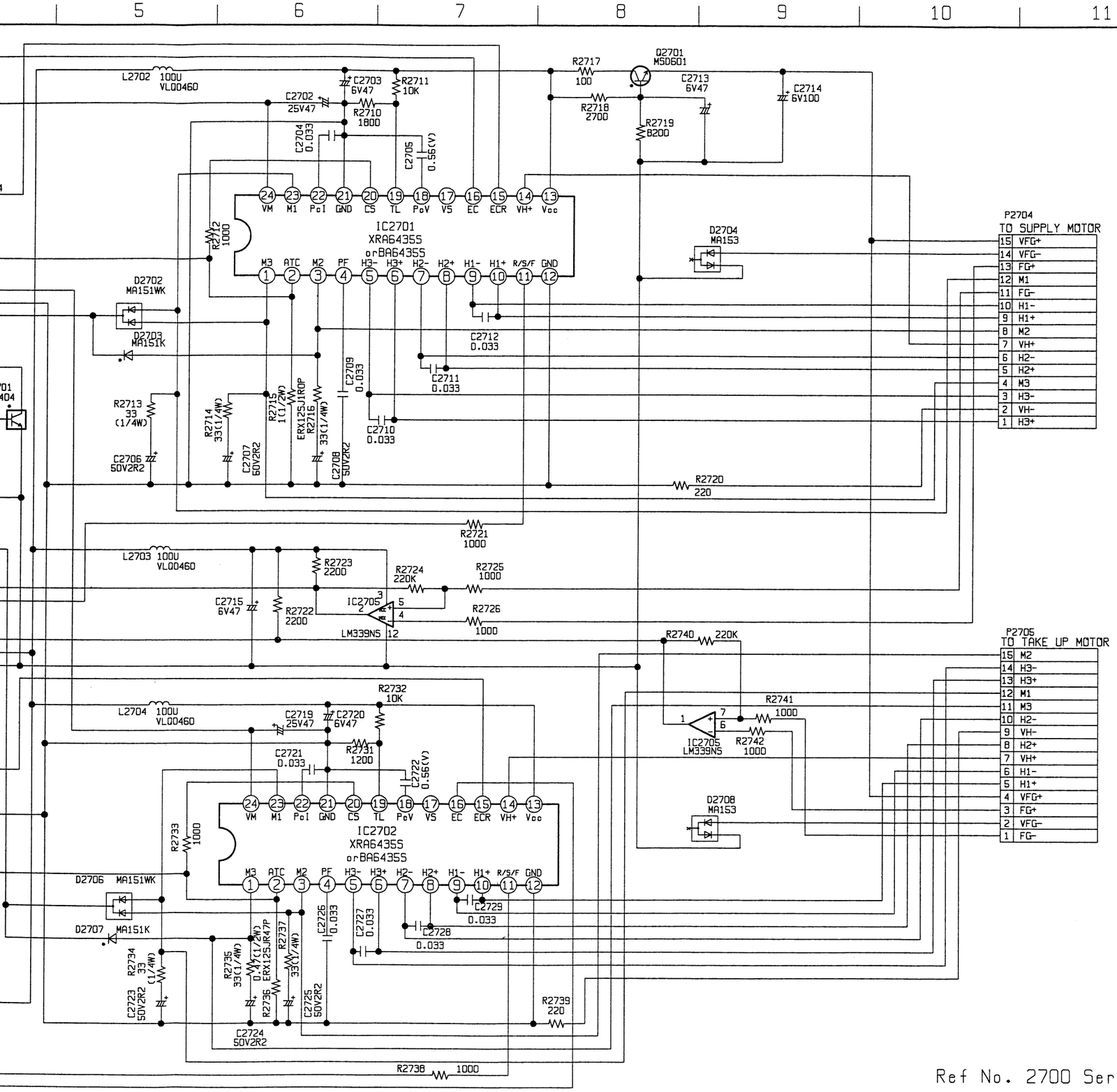


*=REFER TO THE COMPARISON CHART
Ref No.68000 Series.

REEL DRIVE SCHEMATIC DIAGRAM (E14: Page CBA-15)



-15)

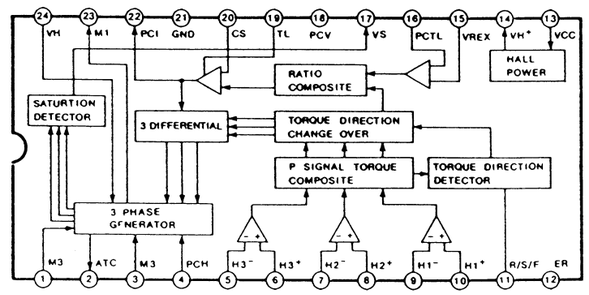


Ref No. 2700 Series.

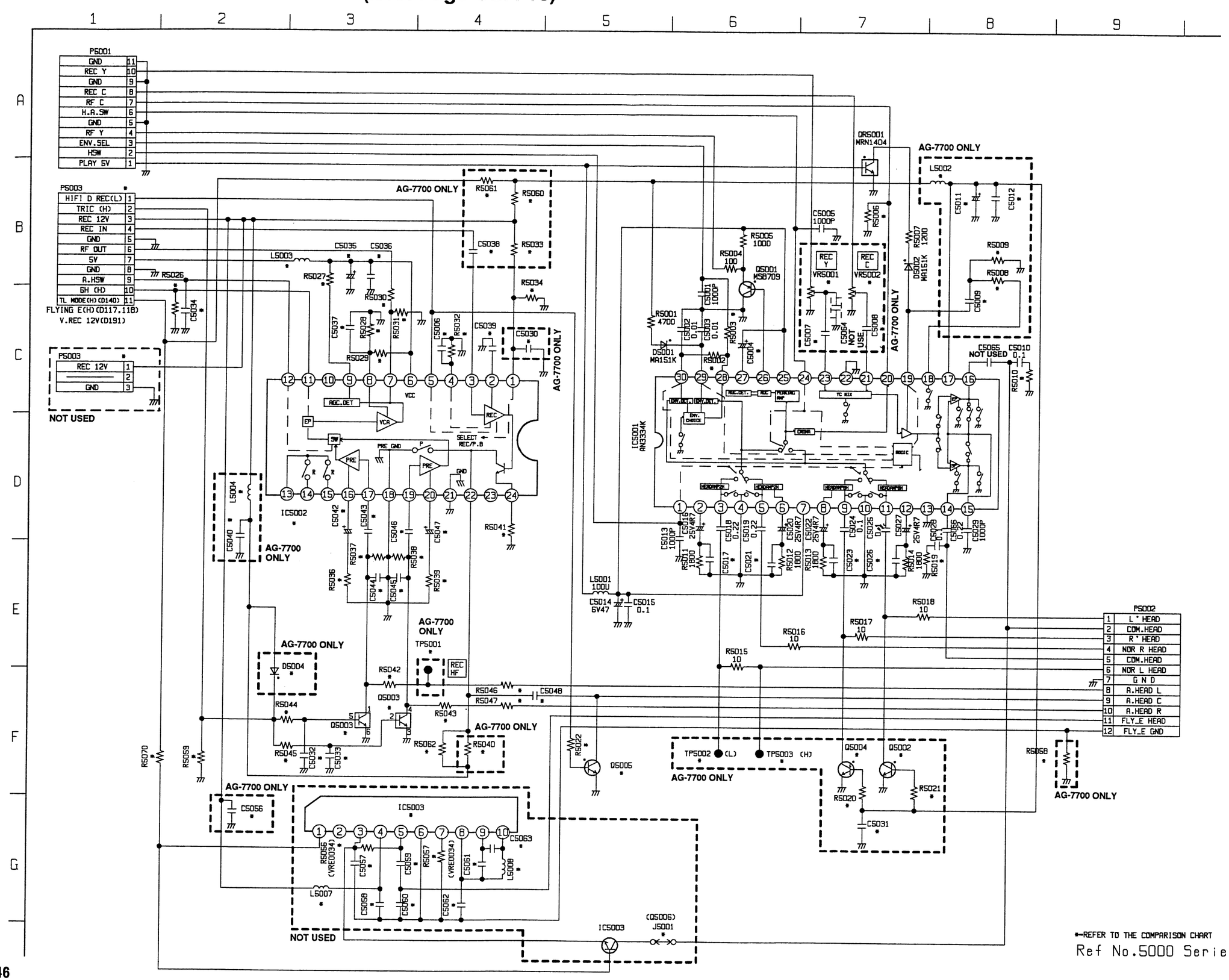
REEL DRIVE DC VOLTAGE CHART

REF. NO.	IC2701									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	1.4	0.1	1.3	1.4	2.5	2.4	2.5	2.4	2.4	2.5
REC	2.3	0.1	2.5	1.4	2.5	2.5	2.5	2.5	2.5	2.5
REF. NO.	IC2701									
MODE	11	12	13	14	15	16	17	18	19	20
STOP	0	0	4.7	3.4	2.4	2.1	4.1	0.6	1.7	0.1
REC	0	0	4.7	3.4	2.4	2.2	4.1	0.6	0.7	0.1
REF. NO.	IC2701									
MODE	21	22	23	24						
STOP	0	0.7	0.5	5.1						
REC	0	0.7	1.4	5.2						
REF. NO.	IC2702									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0.5	0.1	2.3	1.4	2.4	2.5	2.5	2.5	2.5	2.4
REC	1.5	0.1	1.5	1.4	2.5	2.5	2.5	2.5	2.5	2.5
REF. NO.	IC2702									
MODE	11	12	13	14	15	16	17	18	19	20
STOP	0	0	4.7	3.4	2.6	2.3	4.1	0.6	0.5	0.1
REC	0	0	4.7	3.4	2.5	2.3	4.1	0.6	0.5	0.1
REF. NO.	IC2702									
MODE	21	22	23	24						
STOP	0	0.7	2.3	5.2						
REC	0	0.7	1.7	5.2						
REF. NO.	IC2703									
MODE	1	2	3	4	5	6	7	8		
STOP	0	0.2	0.1	0	0.1	0.1	3.0	4.7		
REC	3.5	0.1	0.1	0	0.1	0.1	2.9	4.7		
REF. NO.	IC2704									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	2.6	2.4	0	0	0	0	0	0	0	4.7
REC	2.5	2.4	0	0	0	0	0	0	0	4.7
REF. NO.	IC2704									
MODE	11	12	13	14	15	16				
STOP	0.1	2.4	2.4	2.4	2.6	4.7				
REC	0.1	2.4	3.1	2.4	2.6	4.7				
REF. NO.	IC2705									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0.1	0.1	4.7	2.2	2.1	2.2	2.1	2.9	2.4	1.8
REC	2.4	2.8	4.7	2.1	2.1	2.1	2.1	2.9	2.4	1.8
REF. NO.	IC2705									
MODE	11	12	13	14						
STOP	2.4	0	4.7	0.1						
REC	2.4	0	4.7	0.1						
REF. NO.	IC2706									
MODE	1	2	3	4	5	6	7	8		
STOP	4.6	4.6	4.6	0	2.4	2.4	2.4	11.7		
REC	4.6	4.6	4.6	0	2.4	2.4	2.4	11.7		
REF. NO.	Q2701									
MODE	E	C	B							
STOP	2.8	3.8	3.4							
REC	2.8	3.8	3.4							
REF. NO.	QR2701									
MODE	E	C	B							
STOP	0	4.7	0.1							
REC	0	4.7	0.1							

IC2701,2702
XRA6435S(BA6435S)

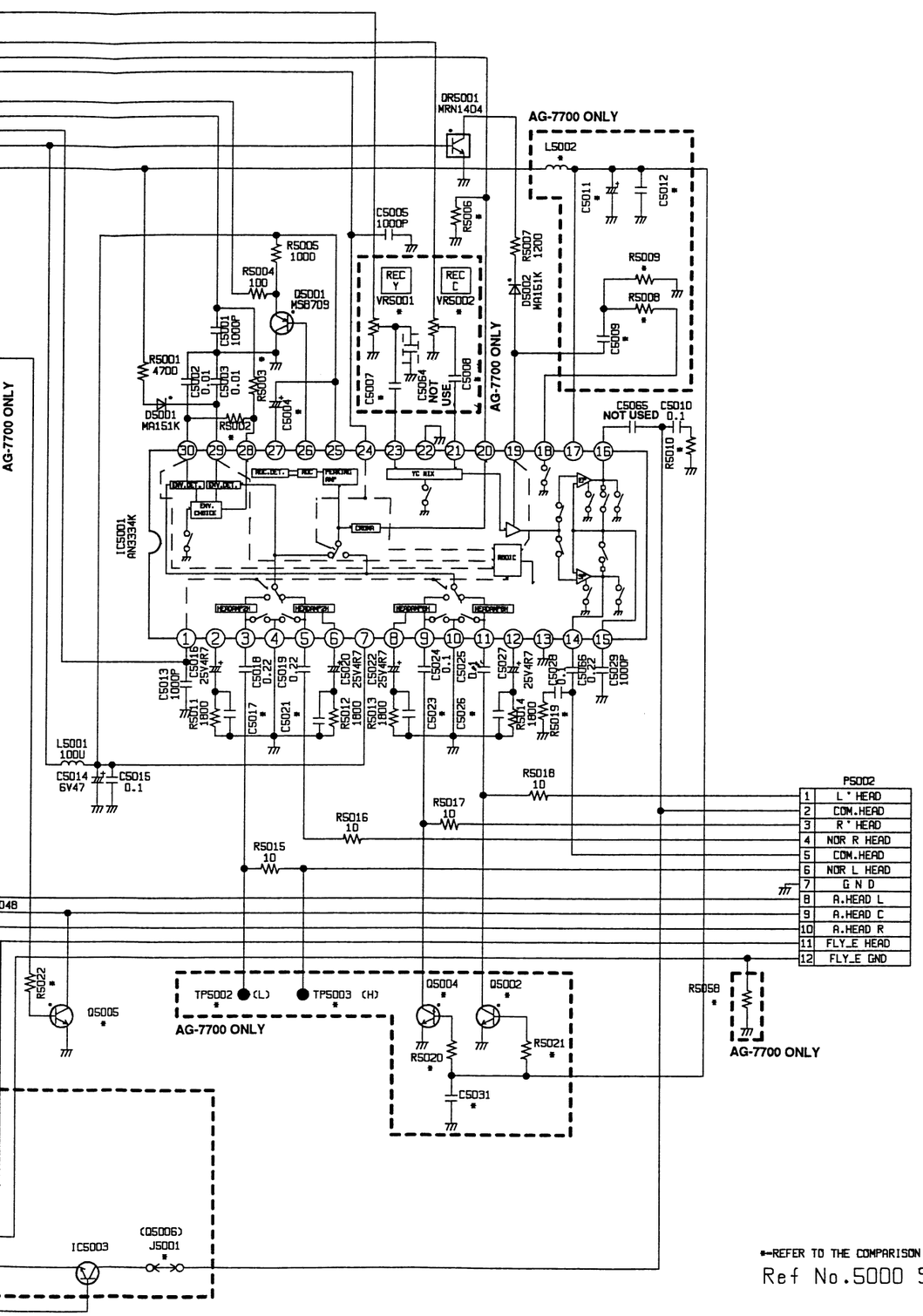


HEAD AMP SCHEMATIC DIAGRAM (E15: Page CBA-13)



	AG-7
C5004	50V
C5006	0.
C5007	0.
C5008	0.
C5009	1800PC
C5011	16V
C5012	0.0
C5017	0
C5021	0
C5023	2
C5026	2
C5030	0.
C5031	0.
C5032	0.
C5033	0.
C5034	1000
C5035	6V
C5036	0.
C5037	0.0
C5038	0.0
C5039	0.
C5040	0.
C5042	50
C5043	47
C5044	10
C5045	10
C5046	47
C5047	50
C5048	0.0
C5056	0.
D5004	MA151
IC5002	BA77
L5002	10
L5003	10
L5004	10
P5003	VJP3
Q5002	2SC2
Q5003	XN450
Q5004	2SC2
Q5005	2SC2
R5002	68
R5003	22
R5006	15
R5008	—
R5009	47
R5010	1
R5019	33
R5020	330
R5021	330
R5022	150
R5026	0
R5027	33
R5028	24K
R5029	27K
R5030	39
R5031	10
R5032	47
R5033	27
R5034	15
R5036	330
R5037	150
R5038	150
R5039	330
R5040	220(1
R5041	10
R5042	10
R5043	10
R5044	10
R5045	10
R5046	470
R5047	470
R5056	—
R5057	—
R5058	0
R5059	47K
R5060	—
R5061	0
R5062	220(1
R5070	0
TP5001	VJR00
TP5002	VJR00
TP5003	VJR00
VR5001	2KB(C
VR5002	2KB(C

*=REFER TO THE COMPARISON CHART
Ref No.5000 Series.



	AG-7700	AG-7600
C5004	50V0.1	50V1
C5006	0.01	0.01
C5007	0.01	———
C5008	0.01	———
C5009	1800P(J)(NPO)	———
C5011	16V22	———
C5012	0.047	———
C5017	BP	BP
C5021	BP	BP
C5023	2P	2P
C5026	2P	2P
C5030	0.01	———
C5031	0.1	———
C5032	0.1	0.1
C5033	0.1	0.1
C5034	1000P(K)	1000P(K)
C5035	6V47	6V47
C5036	0.01	0.01
C5037	0.01(K)	0.01(K)
C5038	0.01(K)	———
C5039	0.01	0.01
C5040	0.01	———
C5042	50V1	50V1
C5043	470P	470P
C5044	100P	100P
C5045	100P	100P
C5046	470P	470P
C5047	50V1	50V1
C5048	0.0047	0.0047
C5056	0.01	———
D5004	MA151K-TW	———
IC5002	BA7740FS	BA7740FS
L5002	100U	———
L5003	100U	100U
L5004	100U	———
P5003	VJP3091	VJP3091
Q5002	2SC2295	———
Q5003	XN4504-TW	XN4504-TW
Q5004	2SC2295	———
Q5005	2SC2295	2SC2295
R5002	680K	680K
R5003	22K	22K
R5006	1500	1500
R5008	———	———
R5009	470	———
R5010	1	1
R5019	330	390
R5020	3300	———
R5021	3300	———
R5022	1500	1500
R5026	0	0
R5027	33K	33K
R5028	24K(G)	24K(G)
R5029	27K(G)	27K(G)
R5030	390	390
R5031	10K	10K
R5032	47K	47K
R5033	27K	———
R5034	15K	15K
R5036	3300	3300
R5037	1500	1500
R5038	1500	1500
R5039	3300	3300
R5040	220(1/4W)	———
R5041	10	10
R5042	10	10
R5043	10	10
R5044	10K	10K
R5045	10K	10K
R5046	470	470
R5047	470	470
R5056	———	———
R5057	———	———
R5058	0	———
R5059	47K	47K
R5060	———	———
R5061	0	———
R5062	220(1/4W)	———
R5070	0	———
TPS001	VJR0098	———
TPS002	VJR0098	———
TPS003	VJR0098	———
VRS001	2KB(CA)	———
VRS002	2KB(CA)	———

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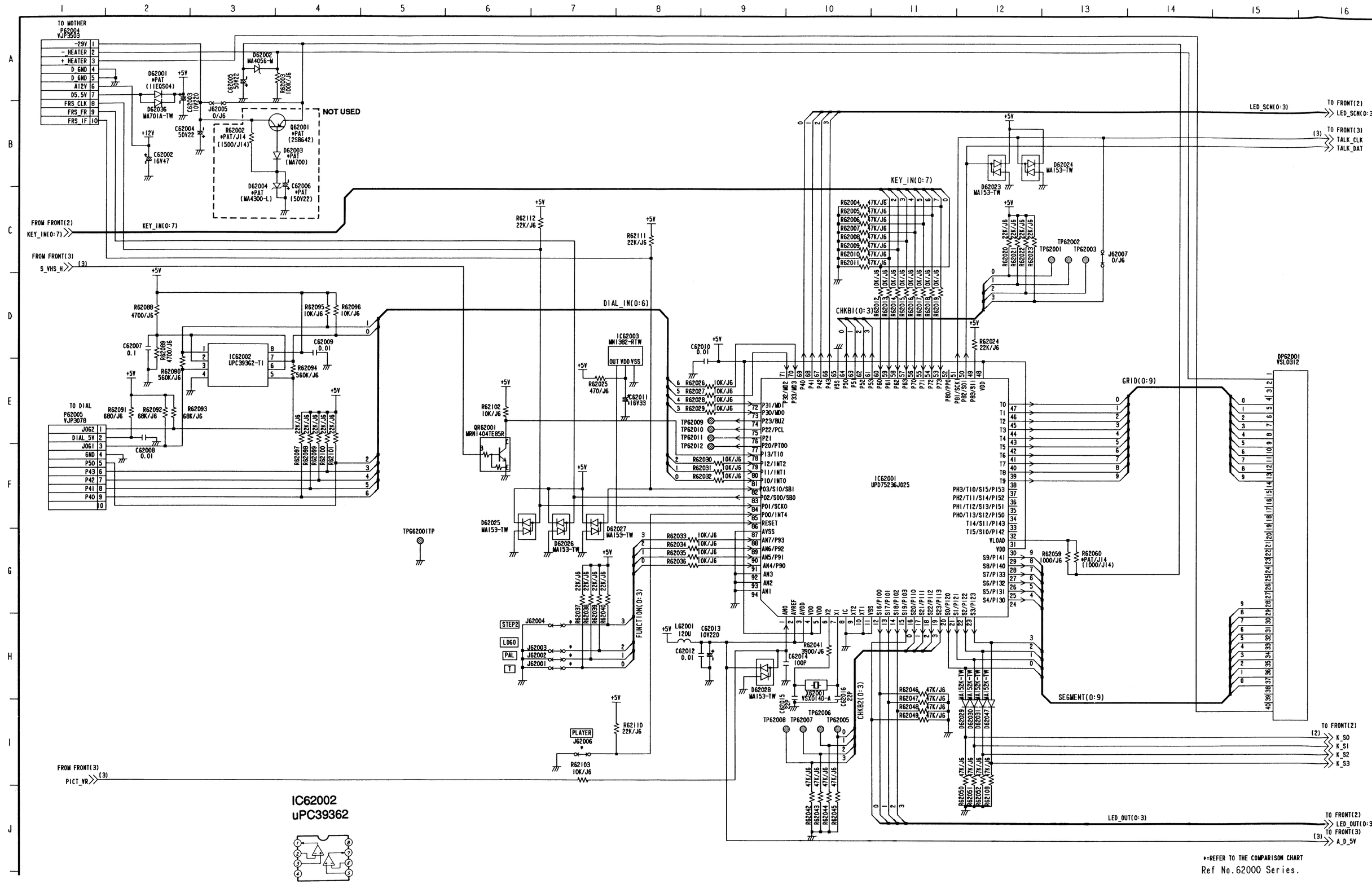
HEAD AMP DC VOLTAGE CHART

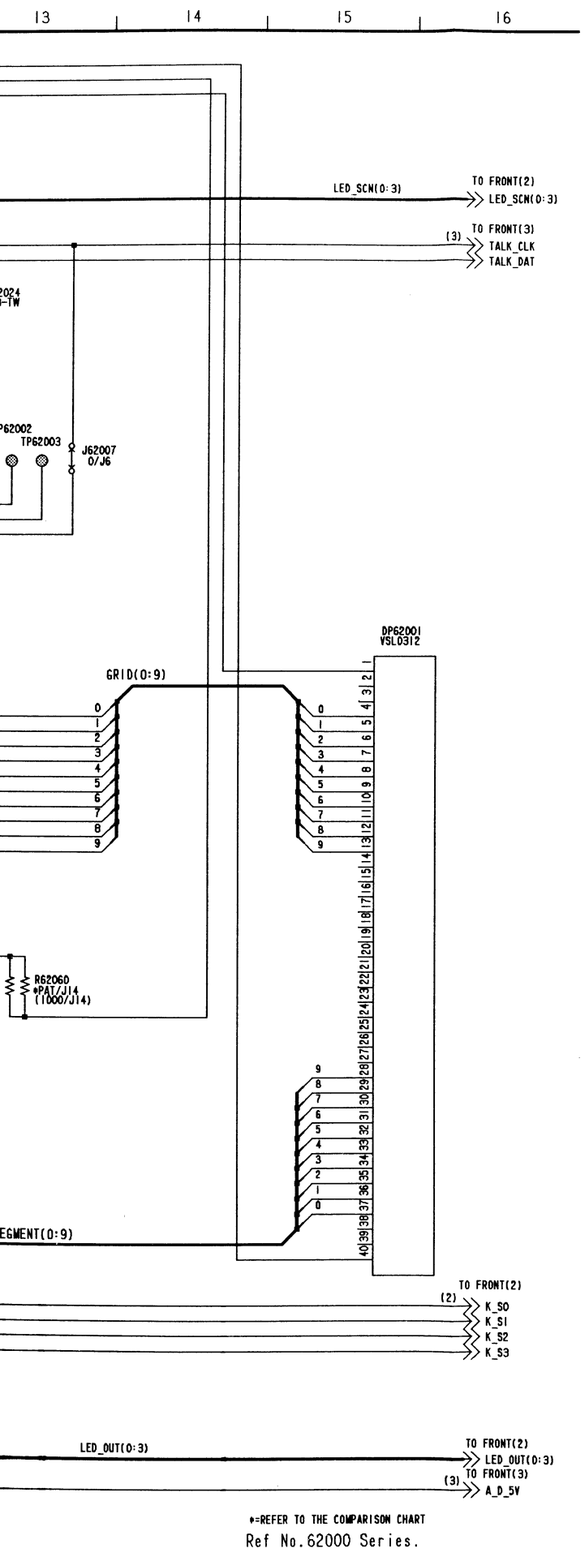
REF. NO.	IC5001									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	2.5	0.8	0.6	0	0.6	0.8	4.9	0.8	0.6	0
REC	2.5	0	0	0	0	0	0.3	0	0	0
REF. NO.	IC5001									
MODE	11	12	13	14	15	16	17	18	19	20
STOP	0.6	0.8	0	0	0	0	0	0	0.6	2.3
REC	0	0	0	5.9	5.8	5.9	11.2	0	2.7	0
REF. NO.	IC5001									
MODE	21	22	23	24	25	26	27	28	29	30
STOP	0	0	0	5.0	4.9	1.8	2.4	0	1.9	1.9
REC	4.6	0	4.6	0	0.3	0	0	0	11.1	3.5
REF. NO.	IC5002									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0.3	0.5	2.8	1.2	3.7	4.9	2.4	2.3	4.9	0
REC	4.0	1.3	2.7	1.3	0.1	4.9	3.7	2.3	4.9	0
REF. NO.	IC5002									
MODE	11	12	13	14	15	16	17	18	19	20
STOP	0	2.5	0	0	0	0.8	0.7	0	0.7	0.8
REC	0	2.5	0	0	0	0	0	0	0	0
REF. NO.	IC5002									
MODE	21	22	23	24						
STOP	0	0	0	0						
REC	0	7.3	0	0.6						
REF. NO.	Q5001			Q5002						
MODE	E	C	B	E	C	B				
STOP	2.4	0	1.8	0	0	0				
REC	0.3	0	0	0	0	0.8				
REF. NO.	Q5003						Q5004			
MODE	1	2	3	4	5	6	E	C	B	
STOP	0	0	0	0	0	0	0	0	0	
REC	0	0.7	0	0	0.7	0	0	0	0.8	
REF. NO.	Q5005			Q5006						
MODE	E	C	B	E	C	B				
STOP	0	0	0.8	0	0	5.0				
REC	0	0	0	0	2.5	0.3				

*=REFER TO THE COMPARISON CHART

Ref No.5000 Series.

FRONT-1 SCHEMATIC DIAGRAM 1/4 (E16: Page CBA-12)





*=REFER TO THE COMPARISON CHART

Ref No.62000 Series.

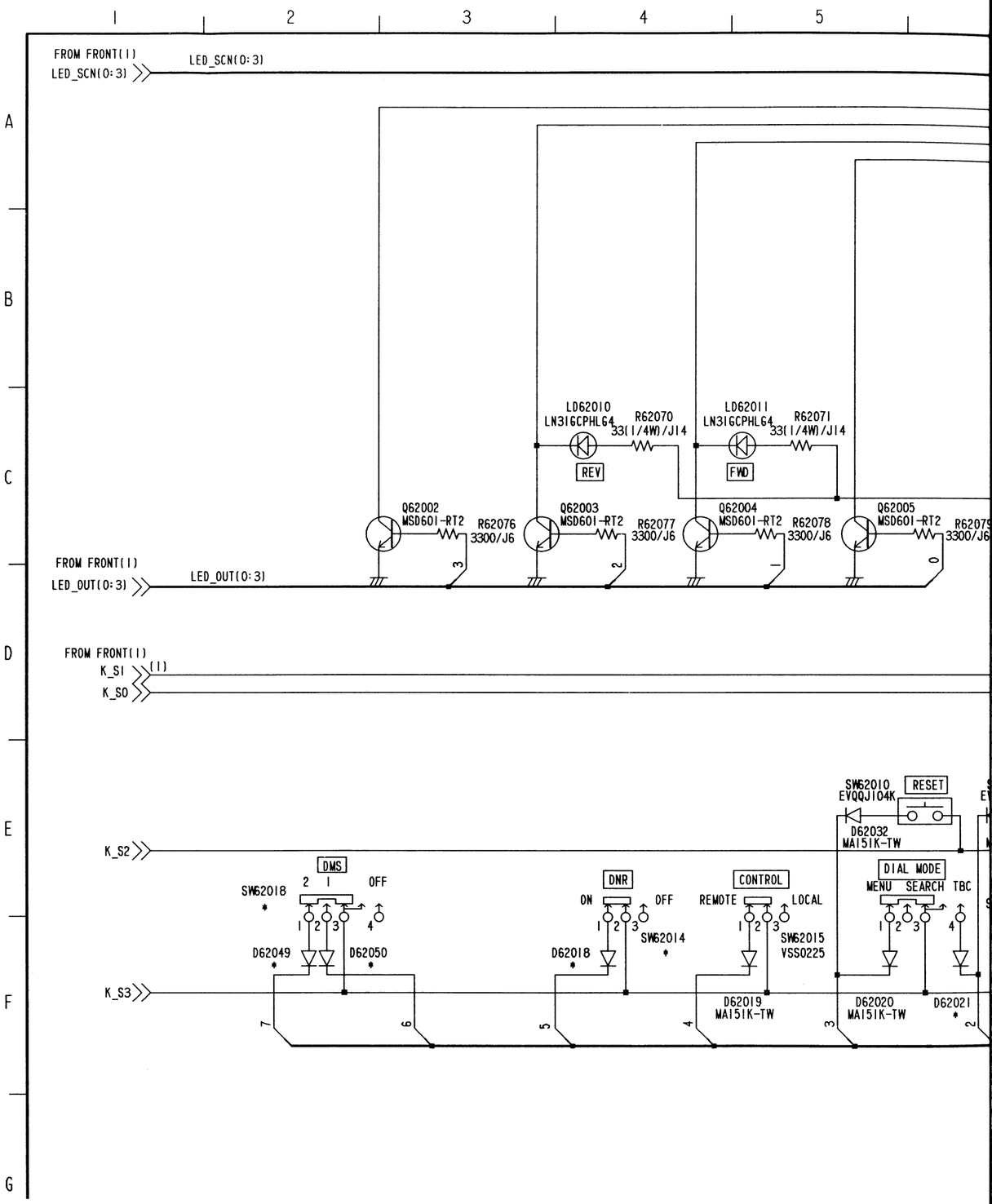
FRONT-1 DC VOLTAGE CHART

REF. NO.	IC62001									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	–	5.1	5.1	5.1	5.1	2.6	2.5	0	5.2	0
REC	–	5.1	5.1	5.1	5.1	2.6	2.5	0	5.1	0
REF. NO.	IC62001									
MODE	11	12	13	14	15	16	17	18	19	20
STOP	0	0	0	0	0	0	0	0	0	–
REC	0	0	1.2	0	1.2	0	0	0	0	–
REF. NO.	IC62001									
MODE	21	22	23	24	25	26	27	28	29	30
STOP	−3.6	−6.6	−6.6	−3.8	−3.8	−22.7	−25.5	−14.5	−17.2	5.2
REC	−8.9	−8.7	−12.1	−13.8	−13.7	−16.1	−25.5	−14.5	−17.2	5.2
REF. NO.	IC62001									
MODE	31	32	33	34	35	36	37	38	39	40
STOP	−26.0	0	0	0	0	0	0	−23.0	−23.0	−23.0
REC	−26.0	0	0	0	0	0	0	−23.0	−23.0	−23.0
REF. NO.	IC62001									
MODE	41	42	43	44	45	46	47	48	49	50
STOP	−23.0	−22.9	−22.9	−22.9	−22.7	−22.7	−23.0	5.2	5.1	0
REC	−23.0	−23.1	−23.2	−23.3	−23.0	−23.1	−23.3	5.1	5.1	1.0
REF. NO.	IC62001									
MODE	51	52	53	54	55	56	57	58	59	60
STOP	0	5.2	0	0	0	0	0	0	0	2.5
REC	4.7	5.1	0	0	0	0	0	0	0	2.4
REF. NO.	IC62001									
MODE	61	62	63	64	65	66	67	68	69	70
STOP	0	0	0	0	0	5.1	5.1	5.1	5.1	0
REC	0	0	0	0	0	3.8	3.8	3.8	3.8	0
REF. NO.	IC62001									
MODE	71	72	73	74	75	76	77	78	79	80
STOP	5.1	5.1	5.1	0	2.5	0	0	0	5.2	0
REC	5.1	5.1	5.1	0	2.5	0	0	0	5.2	0
REF. NO.	IC62001									
MODE	81	82	83	84	85	86	87	88	89	90
STOP	5.2	5.1	0	0	5.2	5.2	0	0	5.2	0
REC	5.1	5.1	3.8	5.1	5.1	0	0	0	0	0
REF. NO.	IC62001									
MODE	91	92	93	94						
STOP	0	0	0	0						
REC	0	0	0	0						
REF. NO.	IC62002									
MODE	1	2	3	4	5	6	7	8		
STOP	0	2.5	4.5	0	4.6	2.5	5.1	5.1		
REC	0	2.5	4.5	0	4.6	2.5	5.1	5.1		
REF. NO.	IC62003									
MODE	1	2	3							
STOP	5.1	5.1	0							
REC	5.1	5.1	0							
REF. NO.	QR62001									
MODE	E	C	B							
STOP	0	0	4.6							
REC	0	0	4.9							

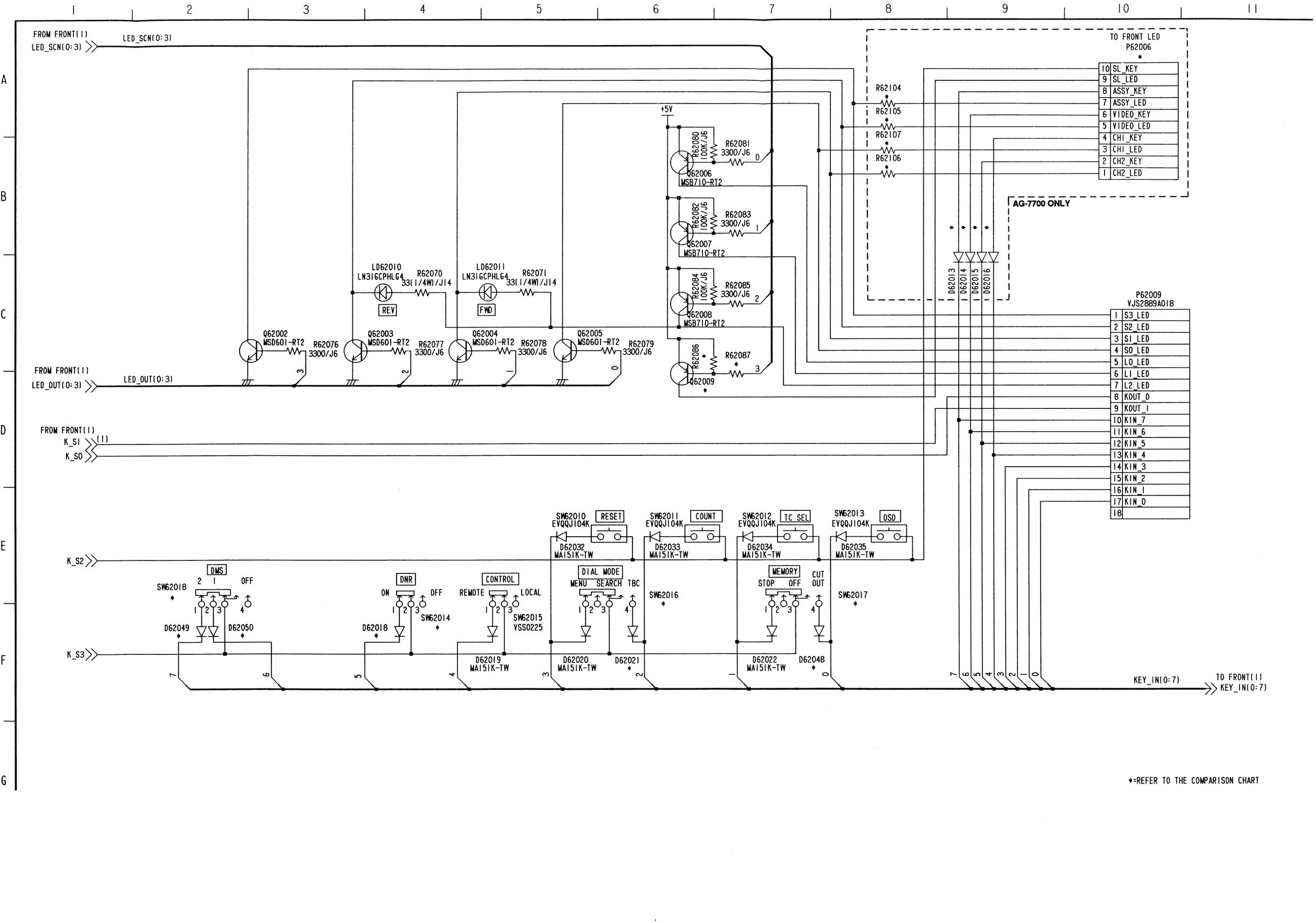
FRONT-2 DC VOLTAGE CHART

REF. NO.	Q62002			Q62003			Q62004			
MODE	E	C	B	E	C	B	E	C	B	
STOP	0	2.9	0.2	0	3.8	0	0	3.7	0	
REC	0	3.7	0	0	2.8	0.2	0	3.7	0	
REF. NO.	Q62005			Q62006			Q62007			
MODE	E	C	B	E	C	B	E	C	B	
STOP	0	3.5	0	5.1	2.6	4.9	5.1	2.6	4.9	
REC	0	2.5	0.2	5.1	1.8	4.9	5.1	2.6	4.9	
REF. NO.	Q62008			Q62009						
MODE	E	C	B	E	C	B				
STOP	5.2	2.6	4.9	5.1	1.8	4.9				
REC	5.1	2.6	4.9	5.1	1.8	4.9				

FRONT-2 SCHEMATIC DIAGRAM 2/4 (E16: Page CBA-12)

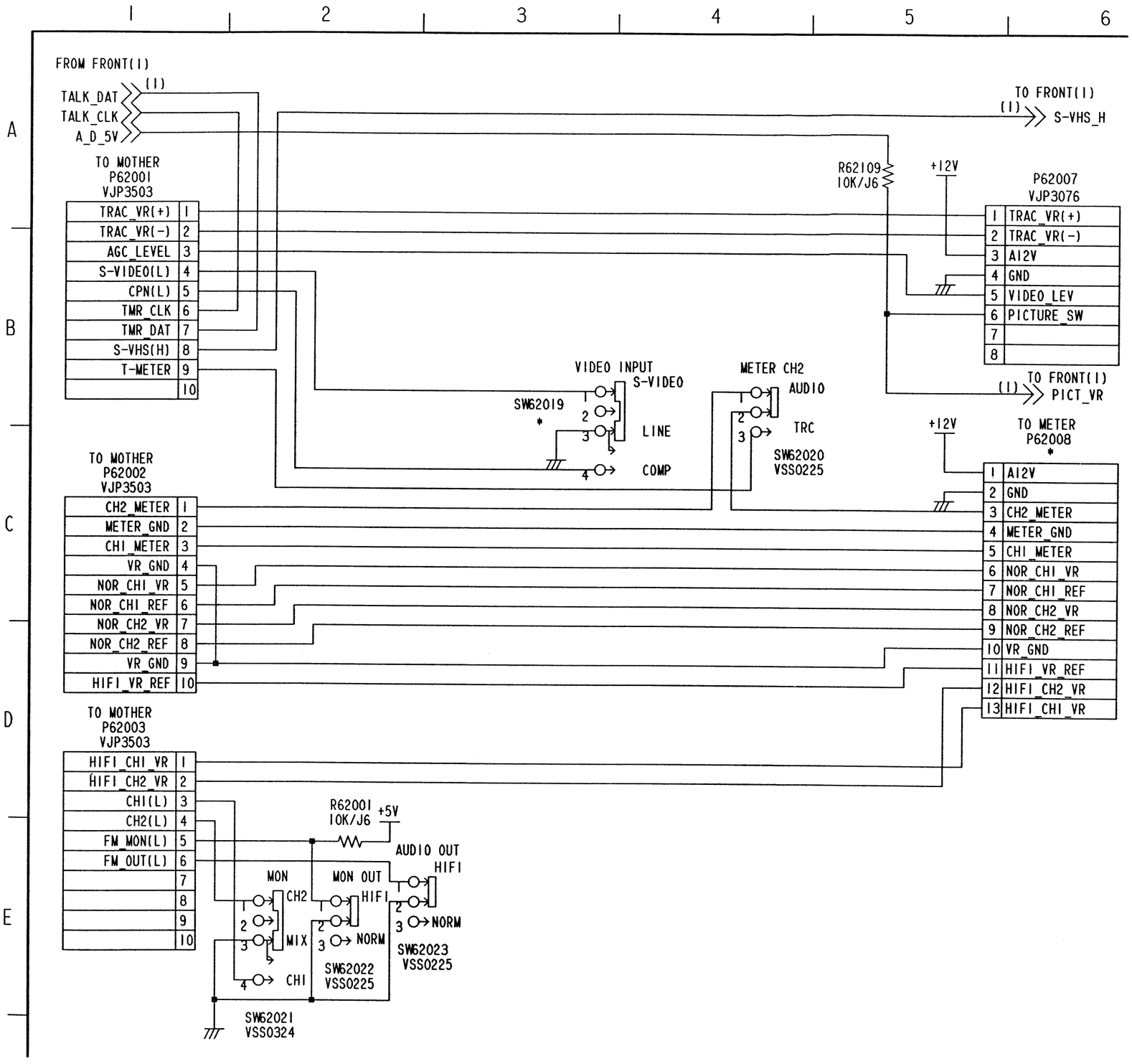


FRONT-2 SCHEMATIC DIAGRAM 2/4 (E16: Page CBA-12)



*=REFER TO THE COMPARISON CHART

FRONT-3 SCHEMATIC DIAGRAM 3/4 (E16: Page CBA-12)



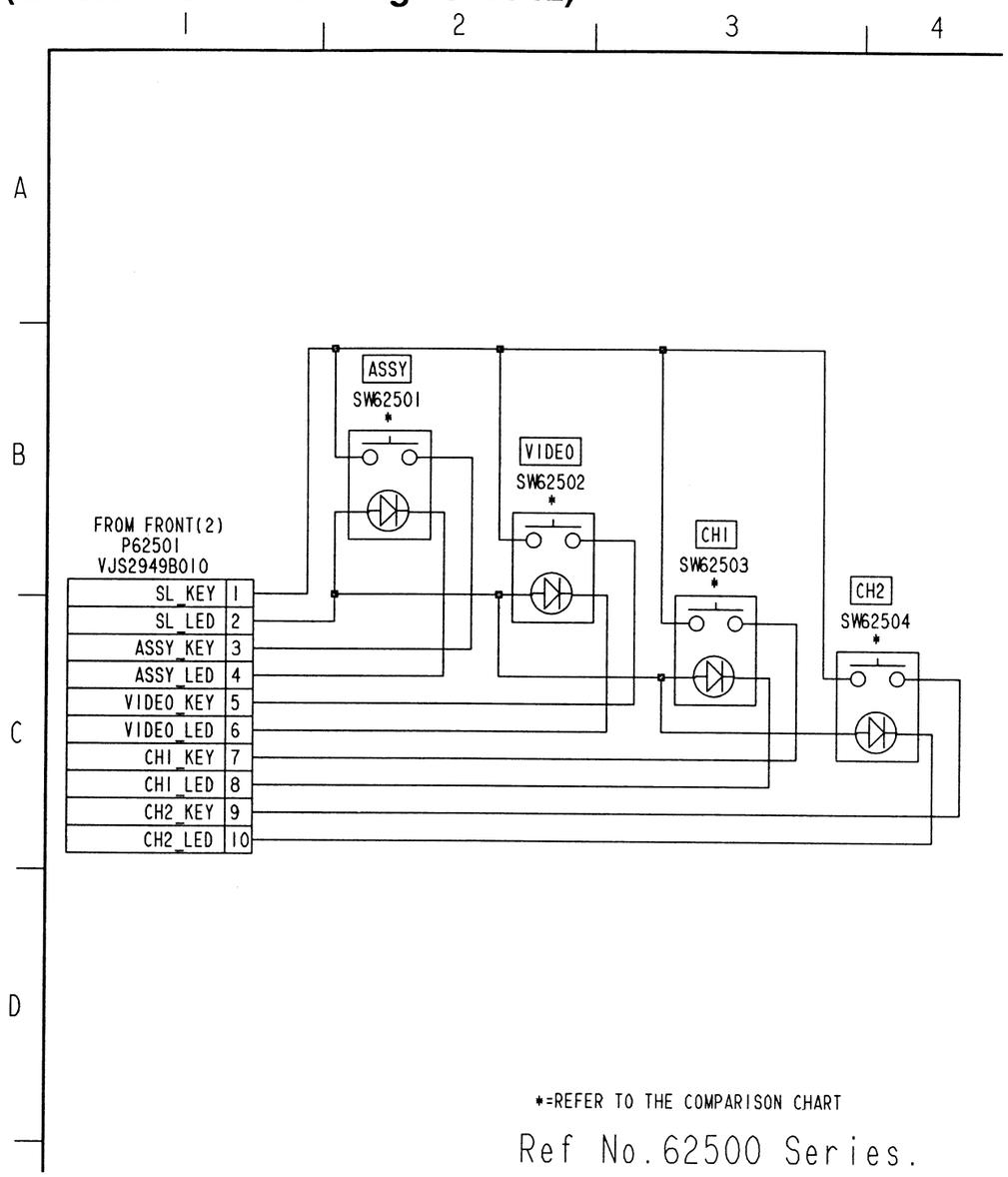
FRONT COMPARISON CHART 4/4 (E16: Page CBA-12)

REF	AG-7700	AG-7600
C62006	*PAT/EVV	*PAT/EVV
D62001	*PAT	*PAT
D62003	*PAT	*PAT
D62004	*PAT	*PAT
D62013	MA151K-TW	*PAT
D62014	MA151K-TW	*PAT
D62015	MA151K-TW	*PAT
D62016	MA151K-TW	*PAT
D62018	*PAT	*PAT
D62021	*PAT	*PAT
D62048	MA151K-TW	*PAT
D62049	*PAT	*PAT
D62050	*PAT	*PAT
J62001	*PAT/J6	*PAT/J6
J62002	0/J6	0/J6
J62003	*PAT/J6	*PAT/J6
J62004	0/J6	0/J6
J62006	*PAT/J6	0/J6
P62006	VJS2949B010	*PAT
P62008	VJP1394T	VJP3530
Q62001	*PAT	*PAT
Q62009	MSB710-RT2	*PAT
R62002	*PAT/J14	*PAT/J14
R62060	*PAT/J14	*PAT/J14
R62086	100K/J6	*PAT/J6
R62087	1000/J6	*PAT/J6
R62104	47/J14	*PAT/J14
R62105	33/J14	*PAT/J14
R62106	33/J14	*PAT/J14
R62107	33/J14	*PAT/J14
SW62014	*PAT	*PAT
SW62016	VSS0225	VSS0225
SW62017	VSS0324	VSS0225
SW62018	*PAT	*PAT
SW62019	VSS0225	*PAT
TP62001	*PAT	*PAT
TP62002	*PAT	*PAT
TP62003	*PAT	*PAT
TP62005	*PAT	*PAT
TP62006	*PAT	*PAT
TP62007	*PAT	*PAT
TP62008	*PAT	*PAT
TP62009	*PAT	*PAT
TP62010	*PAT	*PAT
TP62011	*PAT	*PAT
TP62012	*PAT	*PAT

OMPARISON CHART 4/4
e CBA-12)

	AG-7700	AG-7600
6	*PAT/EVV	*PAT/EVV
1	*PAT	*PAT
3	*PAT	*PAT
4	*PAT	*PAT
3	MA151K-TW	*PAT
4	MA151K-TW	*PAT
5	MA151K-TW	*PAT
6	MA151K-TW	*PAT
3	*PAT	*PAT
1	*PAT	*PAT
3	MA151K-TW	*PAT
9	*PAT	*PAT
0	*PAT	*PAT
1	*PAT/J6	*PAT/J6
2	0/J6	0/J6
3	*PAT/J6	*PAT/J6
4	0/J6	0/J6
5	*PAT/J6	0/J6
6	VJS2949B010	*PAT
3	VJP1394T	VJP3530
	*PAT	*PAT
9	MSB710-RT2	*PAT
2	*PAT/J14	*PAT/J14
0	*PAT/J14	*PAT/J14
6	100K/J6	*PAT/J6
7	1000/J6	*PAT/J6
4	47/J14	*PAT/J14
5	33/J14	*PAT/J14
6	33/J14	*PAT/J14
7	33/J14	*PAT/J14
	*PAT	*PAT
5	VSS0225	VSS0225
	VSS0324	VSS0225
	*PAT	*PAT
	VSS0225	*PAT
	*PAT	*PAT
	*PAT	*PAT
	*PAT	*PAT
	*PAT	*PAT
	*PAT	*PAT
	*PAT	*PAT
	*PAT	*PAT
	*PAT	*PAT
	*PAT	*PAT

FRONT LED SCHEMATIC DIAGRAM 1/2
(E17: AG-7700 0NLY/Page CBA-12)



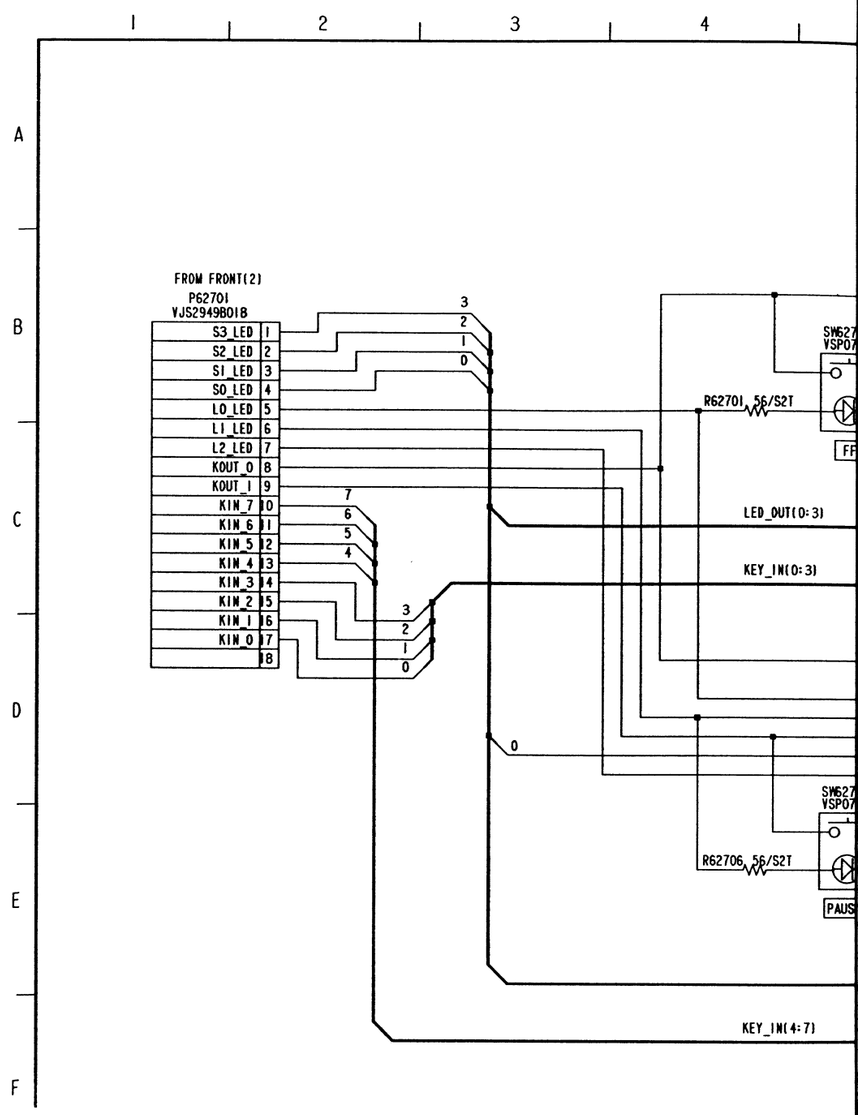
*=REFER TO THE COMPARISON CHART

Ref No.62500 Series.

FRONT LED COMPARISON CHART 2/2
(E17: AG-7700 0NLY/Page CBA-12)

REF	AG-7700
SW62501	VSP0151-2
SW62502	VSP0780
SW62503	VSP0780
SW62504	VSP0780

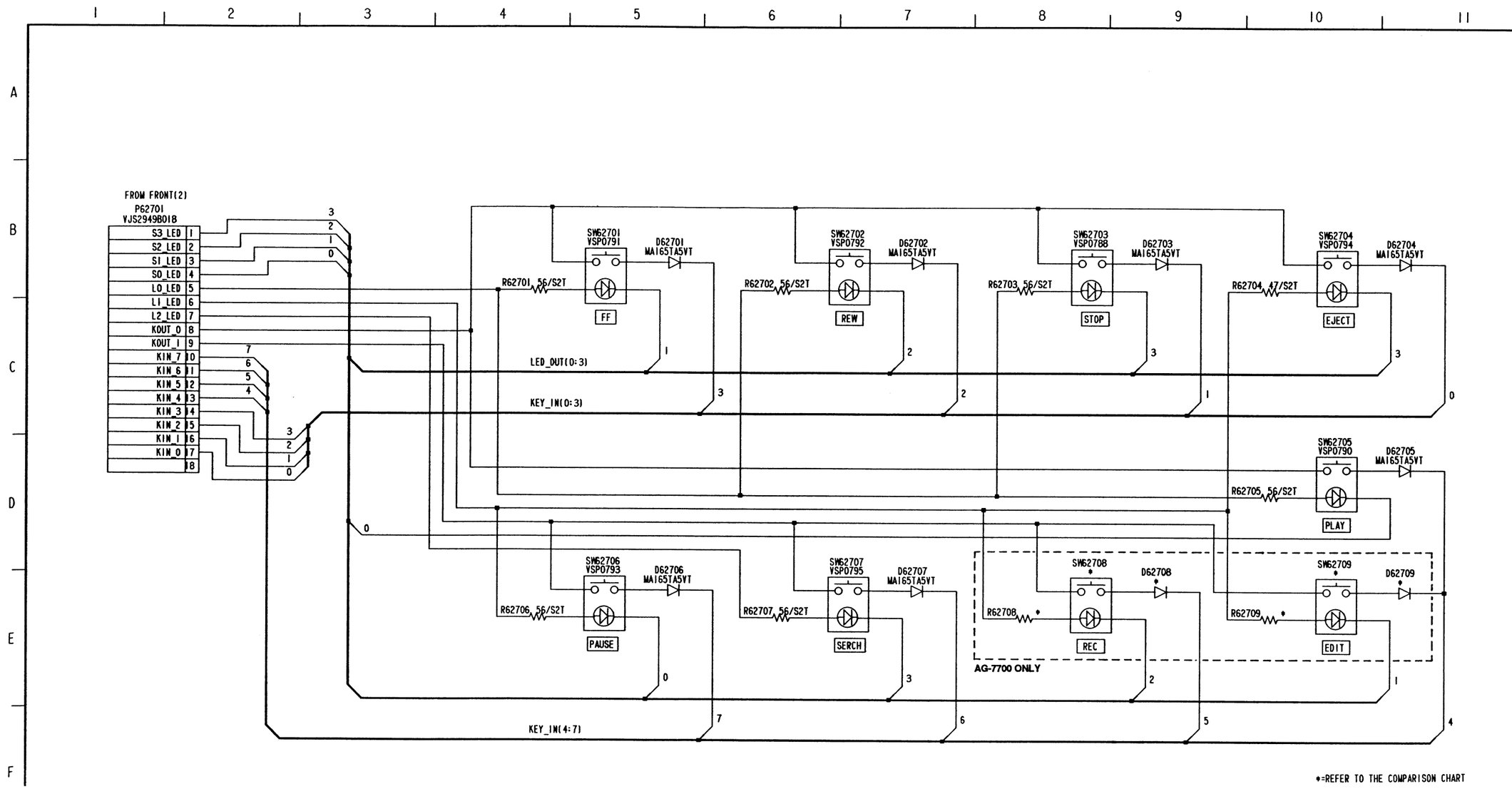
KEYBOARD SCHEMATIC DIAGRAM 1/2 (E18: Page



KEYBOARD COMPARISON CHART 2/2 (E18: Page C

REF	AG-7700	AG-7600
D62708	MA165-TW	*PAT
D62709	MA165-TW	*PAT
R62708	56/S2T	*PAT/S2T
R62709	56/S2T	*PAT/S2T
SW62708	VSP0789	*PAT
SW62709	VSP0795	*PAT

KEYBOARD SCHEMATIC DIAGRAM 1/2 (E18: Page CBA-13)



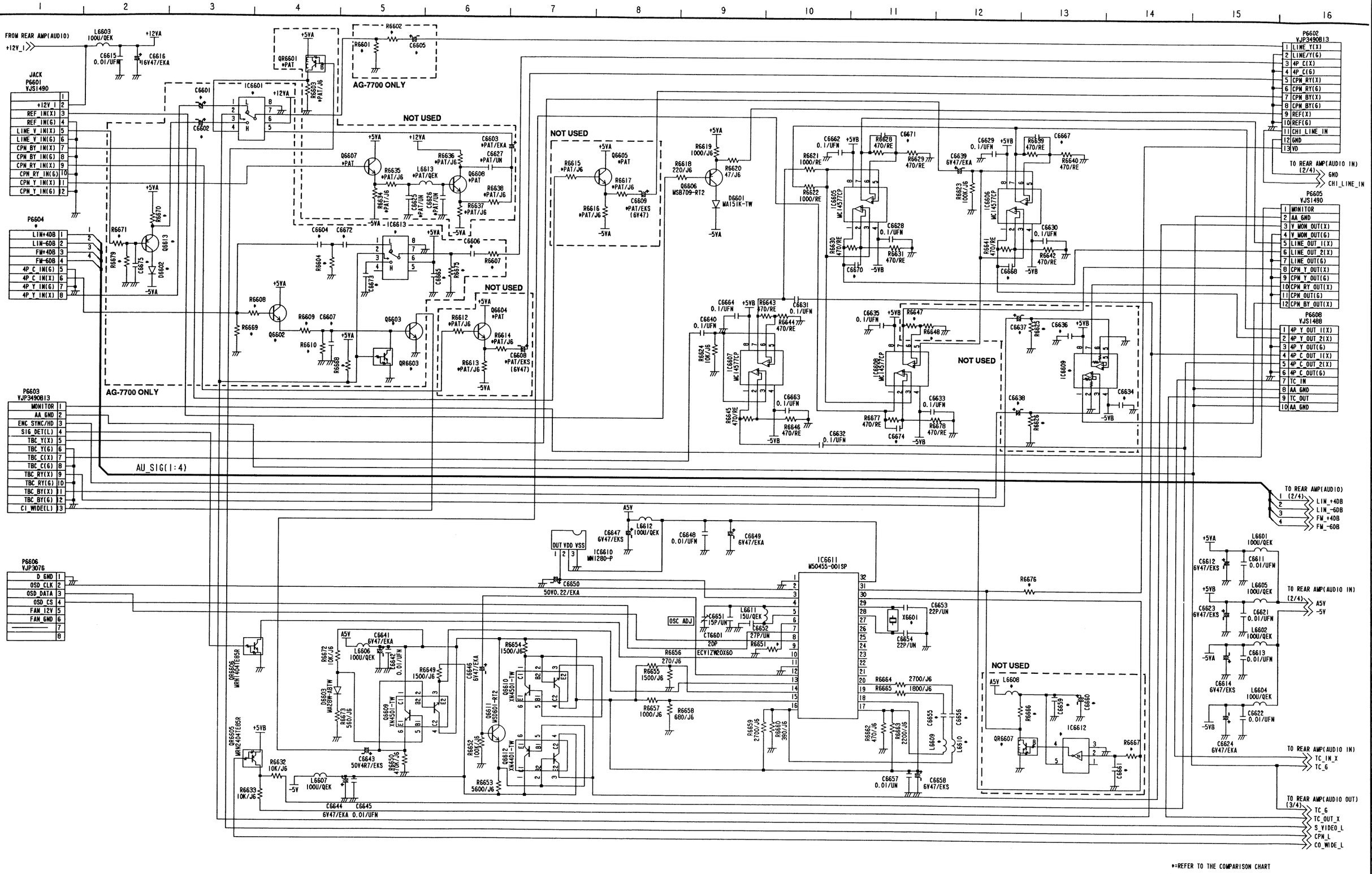
*=REFER TO THE COMPARISON CHART

Ref No.62700 Series.

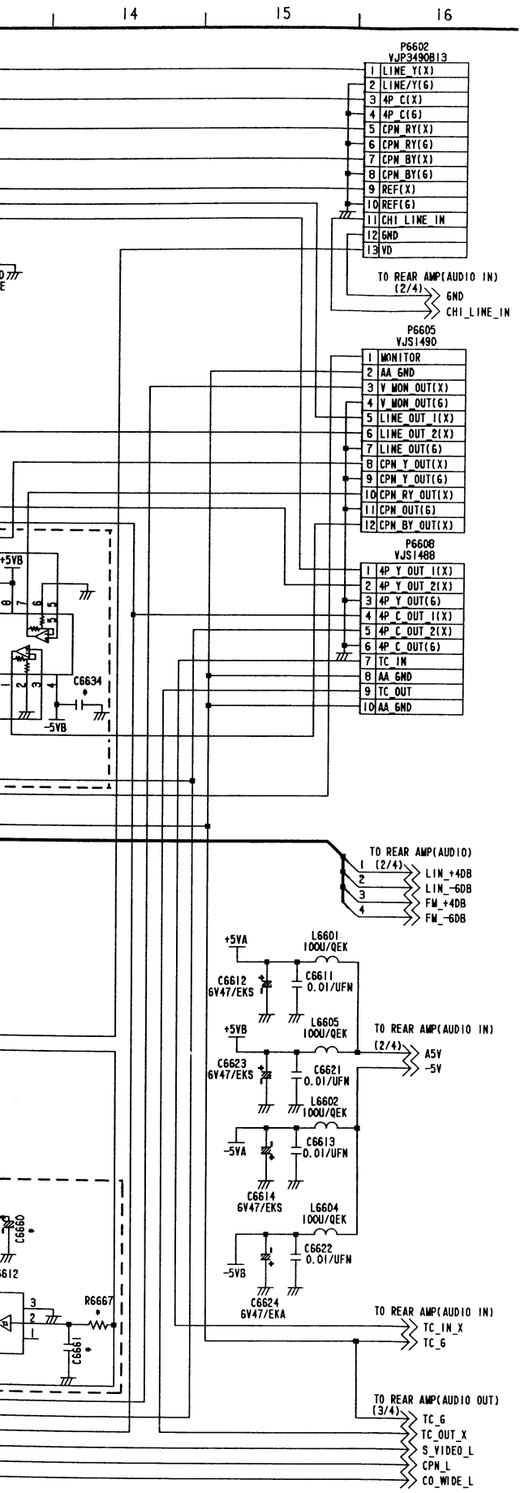
KEYBOARD COMPARISON CHART 2/2 (E18: Page CBA-13)

REF	AG-7700	AG-7600
D62708	MA165-TW	*PAT
D62709	MA165-TW	*PAT
R62708	56/S2T	*PAT/S2T
R62709	56/S2T	*PAT/S2T
SW62708	VSP0789	*PAT
SW62709	VSP0795	*PAT

REAR AMP VIDEO SCHEMATIC DIAGRAM 1/4 (E28: Page CBA-14)



Ref No.6600 Series.



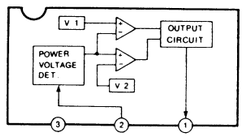
*=REFER TO THE COMPARISON CHART

Ref No.6600 Series.

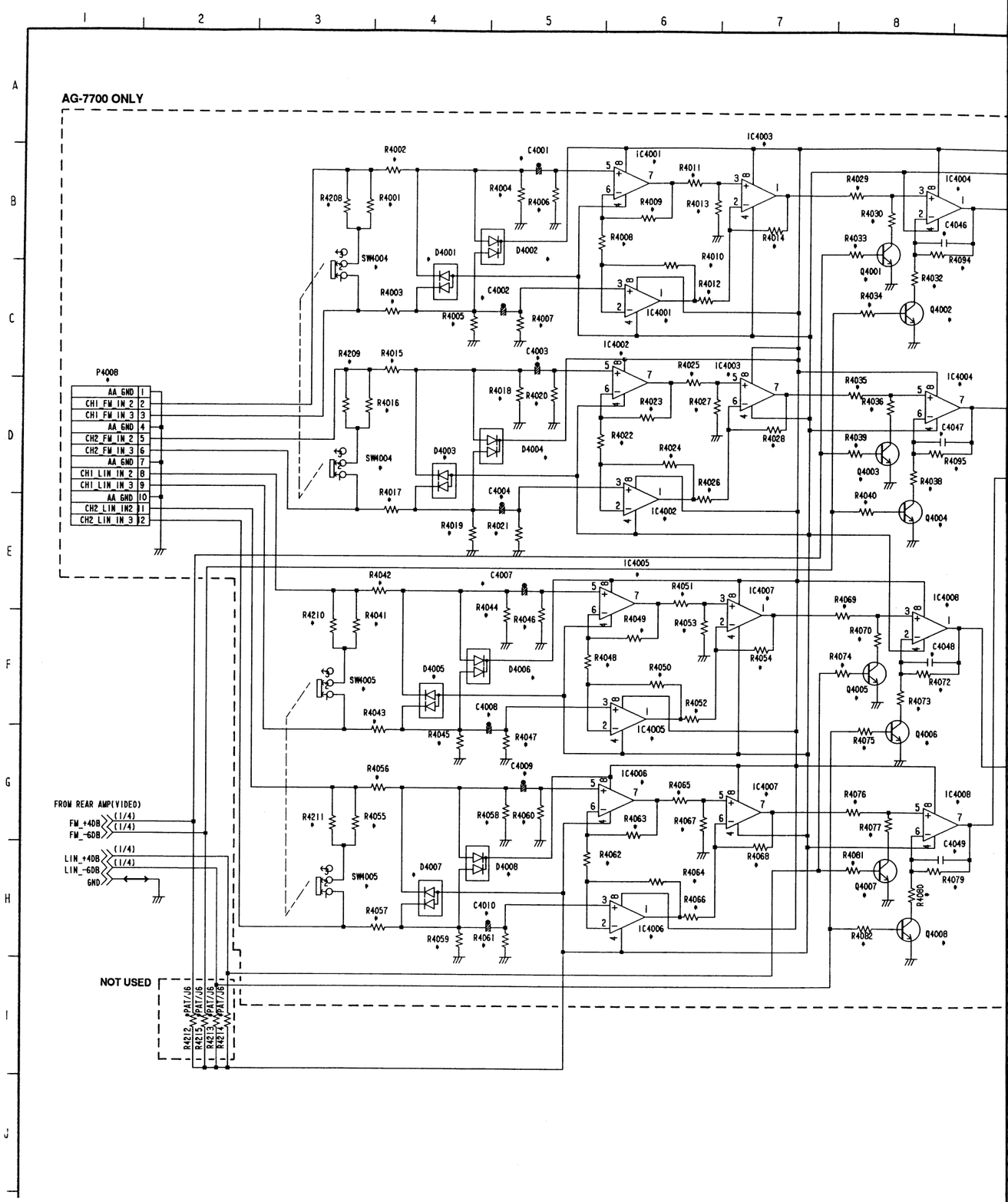
REAR AMP VIDEO DC VOLTAGE CHART

REF. NO.	IC6601									
MODE	1	2	3	4	5	6	7	8		
STOP	7.2	3.6	7.1	0	0	11.5	6.4	0		
REC	7.2	3.6	7.1	0	0	11.5	6.4	0		
REF. NO.	IC6605									
MODE	1	2	3	4	5	6	7	8		
STOP	0	0	0	−4.7	0	0	0	4.7		
REC	0	0	0	−4.7	0	0	0	4.7		
REF. NO.	IC6606									
MODE	1	2	3	4	5	6	7	8		
STOP	0	0	0	−4.7	0	0	0	4.7		
REC	0	0	0	−4.7	0	0	0	4.7		
REF. NO.	IC6607									
MODE	1	2	3	4	5	6	7	8		
STOP	0	0	0	−4.7	0	0	0	4.7		
REC	0	0	0	−4.7	0	0	0	4.7		
REF. NO.	IC6610									
MODE	1	2	3							
STOP	4.9	4.9	0							
REC	4.9	4.9	0							
REF. NO.	IC6611									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0	5.0	4.9	2.2	2.1	0	4.4	0.1	0.5	4.8
REC	0	5.0	4.9	2.2	2.1	0	4.4	0.1	0.5	4.8
REF. NO.	IC6611									
MODE	11	12	13	14	15	16	17	18	19	20
STOP	0	1.1	1.1	0.7	2.0	0.6	0.8	4.8	0.3	0.2
REC	0	1.1	1.1	0.7	2.0	0.6	0.9	4.8	0	0
REF. NO.	IC6611									
MODE	21	22	23	24	25	26	27	28	29	30
STOP	0	0.1	0	0	0	0	4.7	2.3	2.3	3.4
REC	0	0.1	0	0	0	0	4.7	2.3	2.3	3.4
REF. NO.	IC6611									
MODE	31	32								
STOP	4.9	4.9								
REC	4.9	4.9								
REF. NO.	IC6613									
MODE	1	2	3	4	5	6	7	8		
STOP	3.0	3.2	2.9	0	0	4.9	2.2	0		
REC	3.0	3.2	2.9	0	0	0	2.2	0		
REF. NO.	Q6601			Q6602			Q6603			
MODE	E	C	B	E	C	B	E	C	B	
STOP	−0.7	4.9	0	0	4.9	0	0	5.1	0	
REC	−0.7	4.9	0	0	4.9	0	0	5.1	0	
REF. NO.	Q6606			Q6609						
MODE	E	C	B	1	2	3	4	5	6	
STOP	0.7	−4.3	0	4.8	1.7	1.1	4.8	1.3	1.7	
REC	0.7	−4.3	0	4.8	1.7	1.1	4.8	1.3	1.7	
REF. NO.	Q6610						Q6611			
MODE	1	2	3	4	5	6	E	C	B	
STOP	0.5	0.5	−0.2	4.8	0.5	−0.2	−0.8	4.8	−0.2	
REC	0.4	0.4	−0.2	4.8	0.4	−0.2	−0.8	4.8	−0.2	
REF. NO.	Q6612						Q6613			
MODE	1	2	3	4	5	6	E	C	B	
STOP	−4.9	−0.8	−0.2	−4.9	−0.8	−0.2	0.8	−4.2	0.2	
REC	−4.9	−0.8	−0.2	−4.9	−0.8	−0.2	0.8	−4.2	0.2	
REF. NO.	QR6603			QR6605			QR6606			
MODE	E	C	B	E	C	B	E	C	B	
STOP	0	0	3.2	4.7	0	4.8	0	4.8	0.2	
REC	0	0	3.2	4.7	0	4.8	0	4.8	0.2	

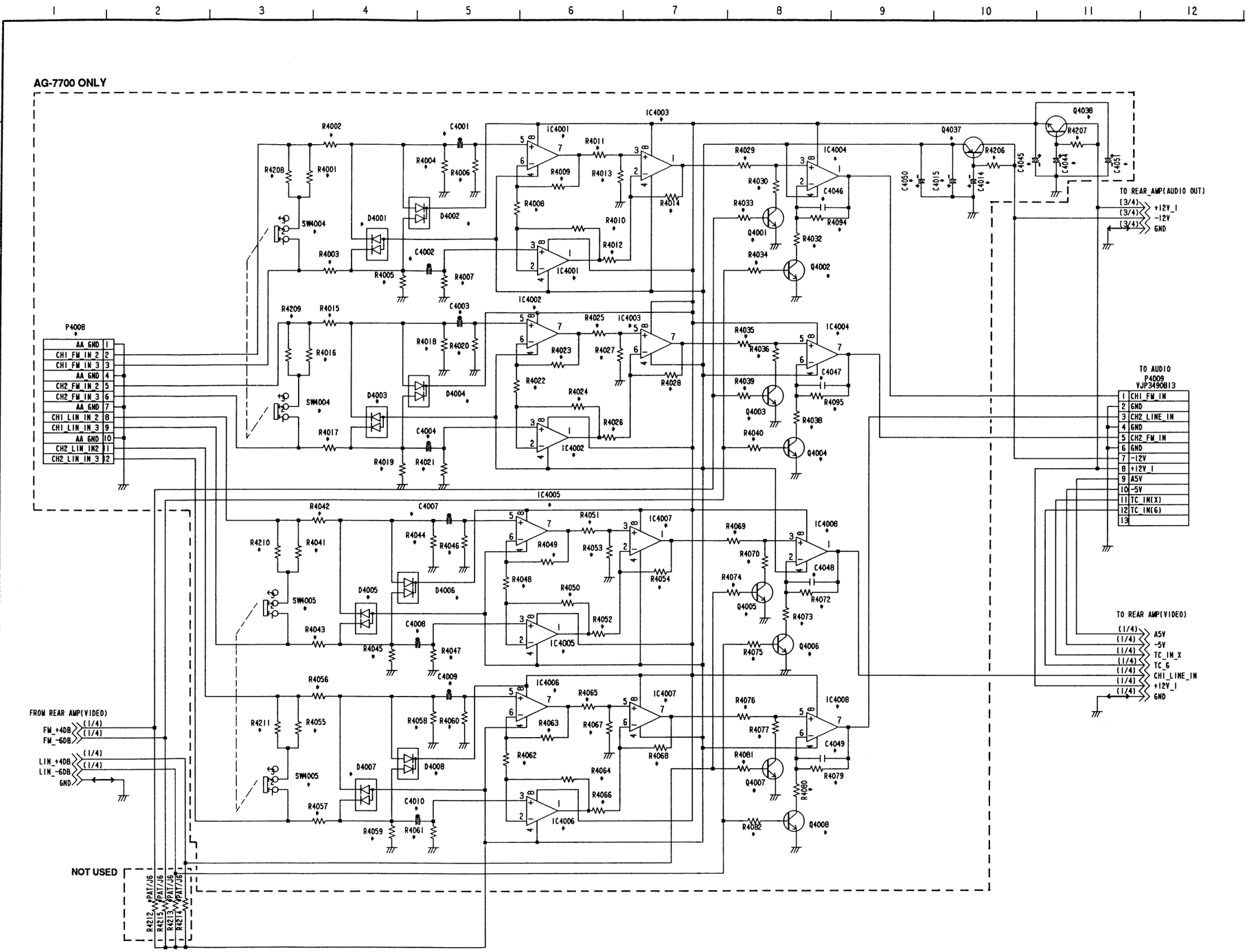
IC6610
MN1280-P



REAR AMP AUDIO IN SCHEMATIC DIAGRAM 2/4 (E28: Page CBA-14)



REAR AMP AUDIO IN SCHEMATIC DIAGRAM 2/4 (E28: Page CBA-14)



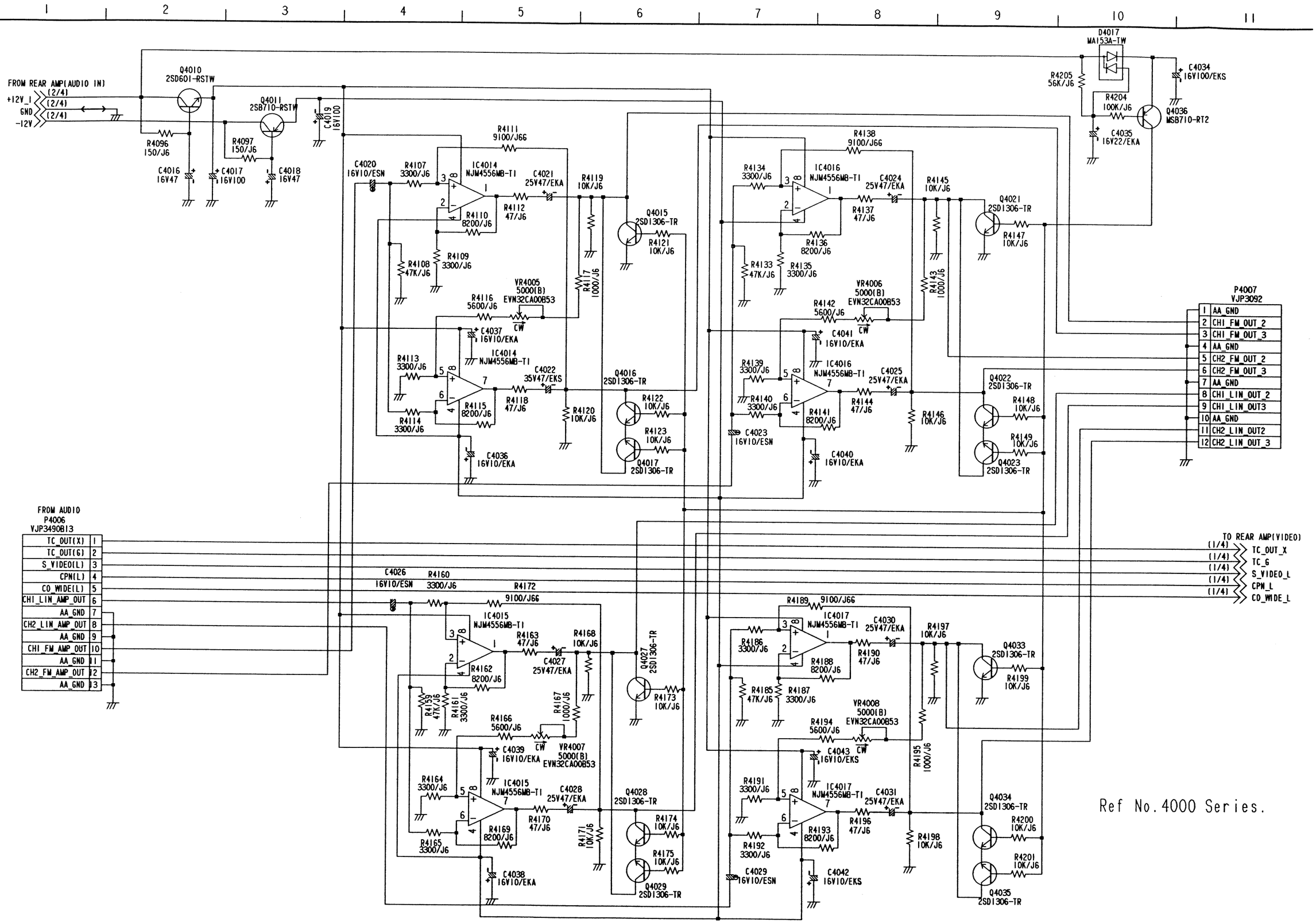
REAR AMP AUDIO IN DC VOLTAGE CHART

REF. NO.	IC4014									
MODE	1	2	3	4	5	6	7	8		
STOP	0	0	0	−11.4	0	0	0	10.9		
REC	0	0	0	−11.5	0	0	0	10.9		
REF. NO.	IC4015									
MODE	1	2	3	4	5	6	7	8		
STOP	0	0	0	−11.4	0	0	0	10.9		
REC	0	0	0	−11.5	0	0	0	10.9		
REF. NO.	IC4016									
MODE	1	2	3	4	5	6	7	8		
STOP	0	0	0	−11.4	0	0	0	10.9		
REC	0	0	0	−11.5	0	0	0	10.9		
REF. NO.	IC4017									
MODE	1	2	3	4	5	6	7	8		
STOP	0	0	0	−11.4	0	0	0	10.9		
REC	0	0	0	−11.5	0	0	0	10.9		
REF. NO.	Q4010			Q4011			Q4015			
MODE	E	C	B	E	C	B	E	C	B	
STOP	10.9	11.6	11.6	−11.5	−12.2	−12.1	0	0	0	
REC	10.8	11.6	11.6	−11.5	−12.2	−12.1	0	0	0	
REF. NO.	Q4016			Q4017			Q4021			
MODE	E	C	B	E	C	B	E	C	B	
STOP	0	0	0	0	0	0	0	0	0	
REC	0	0	0	0	0	0	0	0	0	
REF. NO.	Q4022			Q4023			Q4027			
MODE	E	C	B	E	C	B	E	C	B	
STOP	0	0	0	0	0	0	0	0	0	
REC	0	0	0	0	0	0	0	0	0	
REF. NO.	Q4028			Q4029			Q4033			
MODE	E	C	B	E	C	B	E	C	B	
STOP	0	0	0	0	0	0	0	0	0	
REC	0	0	0	0	0	0	0	0	0	
REF. NO.	Q4034			Q4035			Q4036			
MODE	E	C	B	E	C	B	E	C	B	
STOP	0	0	0	0	0	0	11.2	0	11.4	
REC	0	0	0	0	0	0	11.2	0	11.4	

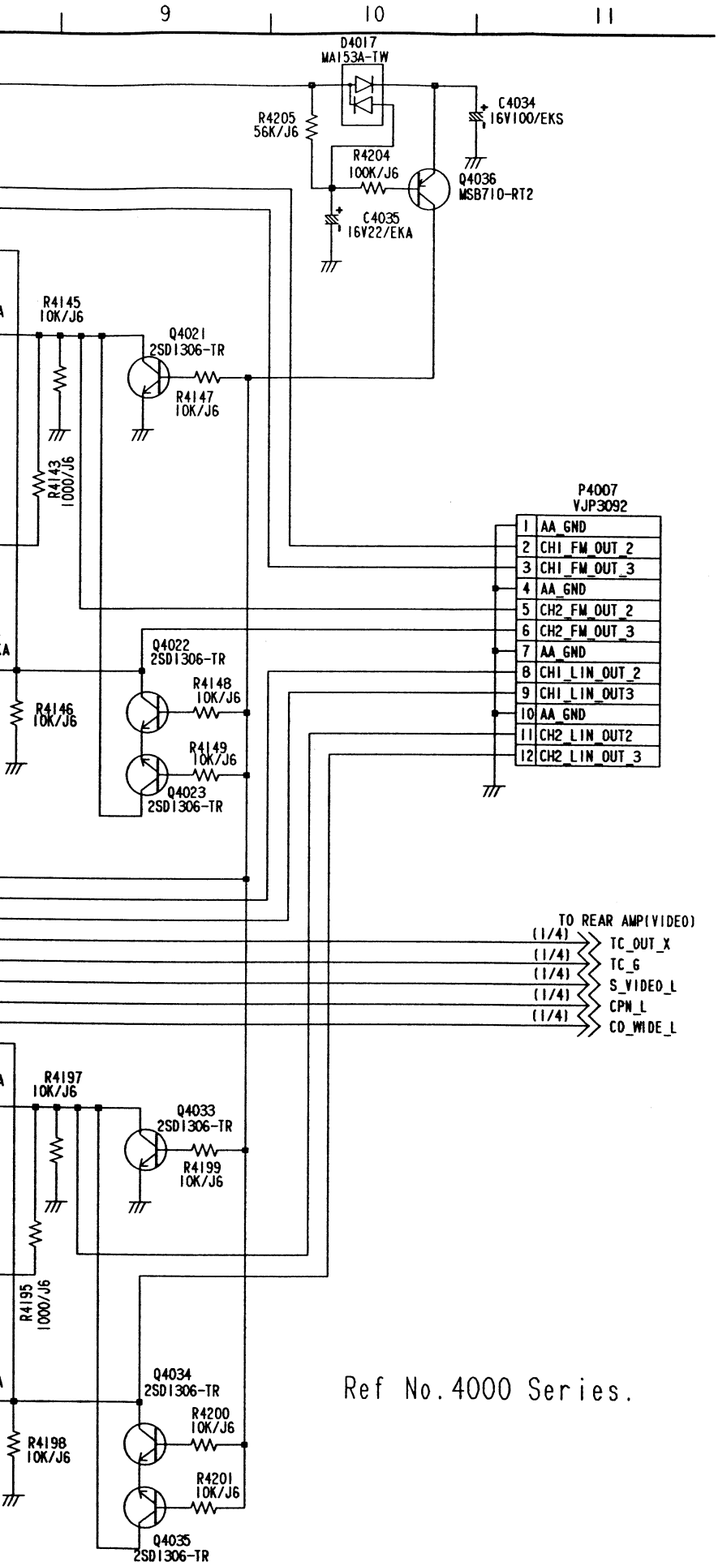
*=REFER TO THE COMPARISON CHART

Ref No. 4000 Series.

REAR AMP AUDIO OUT SCHEMATIC DIAGRAM 3/4 (E28: Page CBA-14)



Ref No. 4000 Series.



Ref No.4000 Series.

REAR AMP AUDIO OUT DC VOLTAGE CHART

REF. NO.	IC4001									
MODE	1	2	3	4	5	6	7	8		
STOP	0	0	0	−11.4	0	0	0	10.9		
REC	0	0	0	−11.4	0	0	0	10.9		
REF. NO.	IC4002									
MODE	1	2	3	4	5	6	7	8		
STOP	0	0	0	−11.4	0	0	0	10.9		
REC	0	0	0	−11.4	0	0	0	10.9		
REF. NO.	IC4003									
MODE	1	2	3	4	5	6	7	8		
STOP	0	0	0	−11.4	0	0	0	10.9		
REC	0	0	0	−11.4	0	0	0	10.9		
REF. NO.	IC4004									
MODE	1	2	3	4	5	6	7	8		
STOP	0	0	0	−11.4	0	0	0	10.9		
REC	0	0	0	−11.4	0	0	0	10.9		
REF. NO.	IC4005									
MODE	1	2	3	4	5	6	7	8		
STOP	0	0	0	−11.4	0	0	0	10.9		
REC	0	0	0	−11.4	0	0	0	10.9		
REF. NO.	IC4006									
MODE	1	2	3	4	5	6	7	8		
STOP	0	0	0	−11.4	0	0	0	10.9		
REC	0	0	0	−11.4	0	0	0	10.9		
REF. NO.	IC4007									
MODE	1	2	3	4	5	6	7	8		
STOP	0	0	0	−11.4	0	0	0	10.9		
REC	0	0	0	−11.5	0	0	0	10.9		
REF. NO.	IC4008									
MODE	1	2	3	4	5	6	7	8		
STOP	0	0	0	−11.4	0	0	0	10.9		
REC	0	0	0	−11.5	0	0	0	10.9		
REF. NO.	Q4001			Q4002			Q4003			
MODE	E	C	B	E	C	B	E	C	B	
STOP	0	0	0	0	0	0	0	0	0	
REC	0	0	0	0	0	0	0	0	0	
REF. NO.	Q4004			Q4005			Q4006			
MODE	E	C	B	E	C	B	E	C	B	
STOP	0	0	0	0	0	0	0	0	0	
REC	0	0	0	0	0	0	0	0	0	
REF. NO.	Q4007			Q4008			Q4037			
MODE	E	C	B	E	C	B	E	C	B	
STOP	0	0	0	0	0	0	−11.5	−12.2	−12.1	
REC	0	0	0	0	0	0	−11.5	−12.2	−12.1	
REF. NO.	Q4038									
MODE	E	C	B							
STOP	10.9	11.6	11.6							
REC	10.9	11.6	11.5							

REAR AMP COMPARISON CHART 4/4 (E28: Page

REF	AG-7700	AG-7600
C4001	16V10/EVN	*PAT/EVN
C4002	16V10/EVN	*PAT/EVN
C4003	16V10/EVN	*PAT/EVN
C4004	16V10/EVN	*PAT/EVN
C4007	16V10/EVN	*PAT/EVN
C4008	16V10/EVN	*PAT/EVN
C4009	16V10/EVN	*PAT/EVN
C4010	16V10/EVN	*PAT/EVN
C4014	16V47/EVV	*PAT/EVV
C4015	16V47/EVV	*PAT/EVV
C4044	16V47/EVV	*PAT/EVV
C4045	16V47/EVV	*PAT/EVV
C4046	33P/UN	*PAT/UN
C4047	33P/UN	*PAT/UN
C4048	33P/UN	*PAT/UN
C4049	33P/UN	*PAT/UN
C4050	16V47/EVV	*PAT/EVV
C4051	16V47/EVV	*PAT/EVV
C6601	10V47/EKA	*PAT/EKA
C6602	10V47/EKA	*PAT/EKA
C6603	*PAT/EKS	*PAT/EKS
C6604	0.1/UFN	*PAT/UFN
C6605	10V100/EKA	*PAT/EKA
C6606	0.1/UFN	*PAT/UFN
C6607	0.1/UFN	*PAT/UFN
C6608	*PAT/EKS	*PAT/EKS
C6609	*PAT/EKS	*PAT/EKS
C6625	*PAT/UN	*PAT/UN
C6626	*PAT/UN	*PAT/UN
C6627	*PAT/UN	*PAT/UN
C6634	*PAT/UFN	*PAT/UFN
C6636	*PAT/UFN	*PAT/UFN
C6637	*PAT/EKA	*PAT/EKA
C6638	*PAT/EKA	*PAT/EKA
C6655	39P/UN	39P/UN
C6656	39P/UN	39P/UN
C6659	*PAT/UFN	*PAT/UFN
C6660	*PAT/EKA	*PAT/EKA
C6661	*PAT/UBN	*PAT/UBN
C6665	0.01/UFN	*PAT/UFN
C6667	27P/UN	27P/UN
C6668	27P/UN	27P/UN
C6670	27P/UN	27P/UN
C6671	27P/UN	27P/UN
C6672	0.1/UFN	*PAT/UFN
C6673	0.1/UFN	*PAT/UFN

REF	AG-7700	AG-
C6674	27P/UN	27P
C6675	15P/UN	*PAT
D4001	MA151WA-TW	*P
D4002	MA151WK-TW	*P
D4003	MA151WA-TW	*P
D4004	MA151WK-TW	*P
D4005	MA151WA-TW	*P
D4006	MA151WK-TW	*P
D4007	MA151WA-TW	*P
D4008	MA151WK-TW	*P
D6602	MA151K-TW	*P
IC4001	NJM4556MB-T1	*P
IC4002	NJM4556MB-T1	*P
IC4003	NJM4556MB-T1	*P
IC4004	AN6558S	*P
IC4005	NJM4556MB-T1	*P
IC4006	NJM4556MB-T1	*P
IC4007	NJM4556MB-T1	*P
IC4008	AN6558S	*P
IC6601	NJM2233BMAT1	*P
IC6609	*PAT	*P
IC6612	*PAT	*P
IC6613	NJM2233BMAT1	*P
L6608	*PAT/QEK	*PAT
L6609	47U/QEK	47U/
L6610	47U/QEK	47U/
L6613	*PAT/QEK	*PAT
P4008	VJP3092	*P
P6604	VJS1468	*P
P6607	*PAT	*P
Q4001	MSD601-RT2	*P
Q4002	MSD601-RT2	*P
Q4003	MSD601-RT2	*P
Q4004	MSD601-RT2	*P
Q4005	MSD601-RT2	*P
Q4006	MSD601-RT2	*P
Q4007	MSD601-RT2	*P
Q4008	MSD601-RT2	*P
Q4037	2SB710-RSTW	*P

REAR AMP COMPARISON CHART 4/4 (E28: Page CBA-14)

REF	AG-7700	AG-7600
C4001	16V10/EVN	*PAT/EVN
C4002	16V10/EVN	*PAT/EVN
C4003	16V10/EVN	*PAT/EVN
C4004	16V10/EVN	*PAT/EVN
C4007	16V10/EVN	*PAT/EVN
C4008	16V10/EVN	*PAT/EVN
C4009	16V10/EVN	*PAT/EVN
C4010	16V10/EVN	*PAT/EVN
C4014	16V47/EVV	*PAT/EVV
C4015	16V47/EVV	*PAT/EVV
C4044	16V47/EVV	*PAT/EVV
C4045	16V47/EVV	*PAT/EVV
C4046	33P/UN	*PAT/UN
C4047	33P/UN	*PAT/UN
C4048	33P/UN	*PAT/UN
C4049	33P/UN	*PAT/UN
C4050	16V47/EVV	*PAT/EVV
C4051	16V47/EVV	*PAT/EVV
C6601	10V47/EKA	*PAT/EKA
C6602	10V47/EKA	*PAT/EKA
C6603	*PAT/EKS	*PAT/EKS
C6604	0.1/UFN	*PAT/UFN
C6605	10V100/EKA	*PAT/EKA
C6606	0.1/UFN	*PAT/UFN
C6607	0.1/UFN	*PAT/UFN
C6608	*PAT/EKS	*PAT/EKS
C6609	*PAT/EKS	*PAT/EKS
C6625	*PAT/UN	*PAT/UN
C6626	*PAT/UN	*PAT/UN
C6627	*PAT/UN	*PAT/UN
C6634	*PAT/UFN	*PAT/UFN
C6636	*PAT/UFN	*PAT/UFN
C6637	*PAT/EKA	*PAT/EKA
C6638	*PAT/EKA	*PAT/EKA
C6655	39P/UN	39P/UN
C6656	39P/UN	39P/UN
C6659	*PAT/UFN	*PAT/UFN
C6660	*PAT/EKA	*PAT/EKA
C6661	*PAT/UBN	*PAT/UBN
C6665	0.01/UFN	*PAT/UFN
C6667	27P/UN	27P/UN
C6668	27P/UN	27P/UN
C6670	27P/UN	27P/UN
C6671	27P/UN	27P/UN
C6672	0.1/UFN	*PAT/UFN
C6673	0.1/UFN	*PAT/UFN

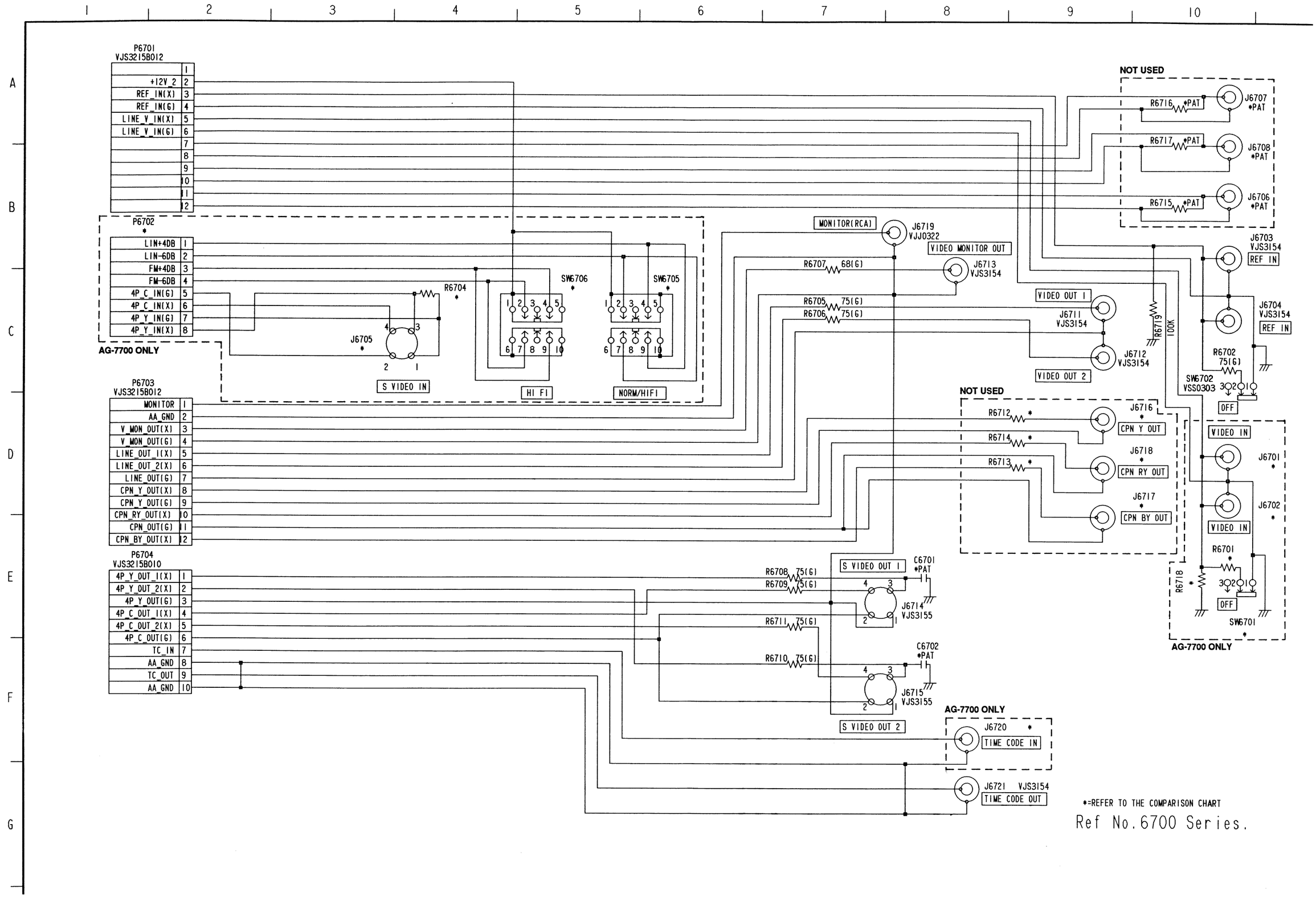
REF	AG-7700	AG-7600
C6674	27P/UN	27P/UN
C6675	15P/UN	*PAT/UN
D4001	MA151WA-TW	*PAT
D4002	MA151WK-TW	*PAT
D4003	MA151WA-TW	*PAT
D4004	MA151WK-TW	*PAT
D4005	MA151WA-TW	*PAT
D4006	MA151WK-TW	*PAT
D4007	MA151WA-TW	*PAT
D4008	MA151WK-TW	*PAT
D6602	MA151K-TW	*PAT
IC4001	NJM4556MB-T1	*PAT
IC4002	NJM4556MB-T1	*PAT
IC4003	NJM4556MB-T1	*PAT
IC4004	AN6558S	*PAT
IC4005	NJM4556MB-T1	*PAT
IC4006	NJM4556MB-T1	*PAT
IC4007	NJM4556MB-T1	*PAT
IC4008	AN6558S	*PAT
IC6601	NJM2233BMAT1	*PAT
IC6609	*PAT	*PAT
IC6612	*PAT	*PAT
IC6613	NJM2233BMAT1	*PAT
L6608	*PAT/QEK	*PAT/QEK
L6609	47U/QEK	47U/QEK
L6610	47U/QEK	47U/QEK
L6613	*PAT/QEK	*PAT/QEK
P4008	VJP3092	*PAT
P6604	VJS1468	*PAT
P6607	*PAT	*PAT
Q4001	MSD601-RT2	*PAT
Q4002	MSD601-RT2	*PAT
Q4003	MSD601-RT2	*PAT
Q4004	MSD601-RT2	*PAT
Q4005	MSD601-RT2	*PAT
Q4006	MSD601-RT2	*PAT
Q4007	MSD601-RT2	*PAT
Q4008	MSD601-RT2	*PAT
Q4037	2SB710-RSTW	*PAT

REF	AG-7700	AG-7600
Q4038	2SD602-RSTW	*PAT
Q6602	MSD601-RT2	*PAT
Q6603	MSD601-RT2	*PAT
Q6604	*PAT	*PAT
Q6605	*PAT	*PAT
Q6607	*PAT	*PAT
Q6608	*PAT	*PAT
Q6613	MSB709-RT2	*PAT
QR6601	*PAT	*PAT
QR6603	MRN1404TE85R	*PAT
QR6607	*PAT	*PAT
R4001	680/J6	*PAT/J6
R4002	47K/J6	*PAT/J6
R4003	47K/J6	*PAT/J6
R4004	8200/J6	*PAT/J6
R4005	8200/J6	*PAT/J6
R4006	100K/J6	*PAT/J6
R4007	100K/J6	*PAT/J6
R4008	3300/RE	*PAT/J6
R4009	4700/RE	*PAT/J6
R4010	4700/RE	*PAT/J6
R4011	4700/RE	*PAT/J6
R4012	4700/RE	*PAT/J6
R4013	4700/RE	*PAT/J6
R4014	4700/RE	*PAT/J6
R4015	47K/J6	*PAT/J6
R4016	680/J6	*PAT/J6
R4017	47K/J6	*PAT/J6
R4018	8200/J6	*PAT/J6
R4019	8200/J6	*PAT/J6
R4020	100K/J6	*PAT/J6
R4021	100K/J6	*PAT/J6
R4022	3300/RE	*PAT/J6
R4023	4700/RE	*PAT/J6
R4024	4700/RE	*PAT/J6
R4025	4700/RE	*PAT/J6
R4026	4700/RE	*PAT/J6
R4027	4700/RE	*PAT/J6
R4028	4700/RE	*PAT/J6
R4029	10K/J6	*PAT/J6
R4030	18K/J6	*PAT/J6
R4032	10K/J6	*PAT/J6
R4033	10K/J6	*PAT/J6
R4034	10K/J6	*PAT/J6
R4035	10K/J6	*PAT/J6
R4036	18K/J6	*PAT/J6

REF	AG-7700	AG-7600
R4038	10K/J6	*PAT/J6
R4039	10K/J6	*PAT/J6
R4040	10K/J6	*PAT/J6
R4041	680/J6	*PAT/J6
R4042	47K/J6	*PAT/J6
R4043	47K/J6	*PAT/J6
R4044	8200/J6	*PAT/J6
R4045	8200/J6	*PAT/J6
R4046	100K/J6	*PAT/J6
R4047	100K/J6	*PAT/J6
R4048	3300/RE	*PAT/J6
R4049	4700/RE	*PAT/J6
R4050	4700/RE	*PAT/J6
R4051	4700/RE	*PAT/J6
R4052	4700/RE	*PAT/J6
R4053	4700/RE	*PAT/J6
R4054	4700/RE	*PAT/J6
R4055	680/J6	*PAT/J6
R4056	47K/J6	*PAT/J6
R4057	47K/J6	*PAT/J6
R4058	8200/J6	*PAT/J6
R4059	8200/J6	*PAT/J6
R4060	100K/J6	*PAT/J6
R4061	100K/J6	*PAT/J6
R4062	3300/RE	*PAT/J6
R4063	4700/RE	*PAT/J6
R4064	4700/RE	*PAT/J6
R4065	4700/RE	*PAT/J6
R4066	4700/RE	*PAT/J6
R4067	4700/RE	*PAT/J6
R4068	4700/RE	*PAT/J6
R4069	10K/J6	*PAT/J6
R4070	18K/J6	*PAT/J6
R4072	10K/J6	*PAT/J6
R4073	10K/J6	*PAT/J6
R4074	10K/J6	*PAT/J6
R4075	10K/J6	*PAT/J6
R4076	10K/J6	*PAT/J6

REF	AG-7700	AG-7600
R4077	18K/J6	*PAT/J6
R4079	10K/J6	*PAT/J6
R4080	10K/J6	*PAT/J6
R4081	10K/J6	*PAT/J6
R4082	10K/J6	*PAT/J6
R4094	10K/J6	*PAT/J6
R4095	10K/J6	*PAT/J6
R4206	150/J6	*PAT/J6
R4207	150/J6	*PAT/J6
R4208	5600/J6	*PAT/J6
R4209	5600/J6	*PAT/J6
R4210	5600/J6	*PAT/J6
R4211	5600/J6	*PAT/J6
R4212	*PAT/J6	*PAT/J6
R4213	*PAT/J6	*PAT/J6
R4214	*PAT/J6	*PAT/J6
R4215	*PAT/J6	*PAT/J6
R6601	3300/J6	*PAT/J6
R6602	47/J6	*PAT/J6
R6603	*PAT/J6	*PAT/J6
R6604	75/G6	*PAT/J6
R6607	47/J6	*PAT/J6
R6608	1000/J6	*PAT/J6
R6609	4700/J6	*PAT/J6
R6610	2700/J6	*PAT/J6
R6612	*PAT/J6	*PAT/J6
R6613	*PAT/J6	*PAT/J6
R6614	*PAT/J6	*PAT/J6
R6615	*PAT/J6	*PAT/J6
R6616	*PAT/J6	*PAT/J6
R6617	*PAT/J6	*PAT/J6
R6625	*PAT/J6	*PAT/J6
R6626	*PAT/J6	*PAT/J6
R6634	*PAT/J6	*PAT/J6
R6635	*PAT/J6	*PAT/J6
R6636	*PAT/J6	*PAT/J6
R6637	*PAT/J6	*PAT/J6
R6638	*PAT/J6	*PAT/J6
R6647	*PAT/RE	*PAT/RE
R6648	*PAT/RE	*PAT/RE
R6651	0/J6	0/J6
R6666	*PAT/J6	*PAT/J6
R6667	*PAT/J6	*PAT/J6
R6668	10K/J6	*PAT/J6
R6669	120K/J6	*PAT/J6
R6670	1000/J6	*PAT/J6
R6671	220/J6	*PAT/J6
R6675	3300/J6	*PAT/J6
R6676	0/J6	0/J6
R6679	10K/J6	*PAT/J6
SW4004	VSS0208	*PAT
SW4005	VSS0208	*PAT
X6601	VSX0316	VSX0316

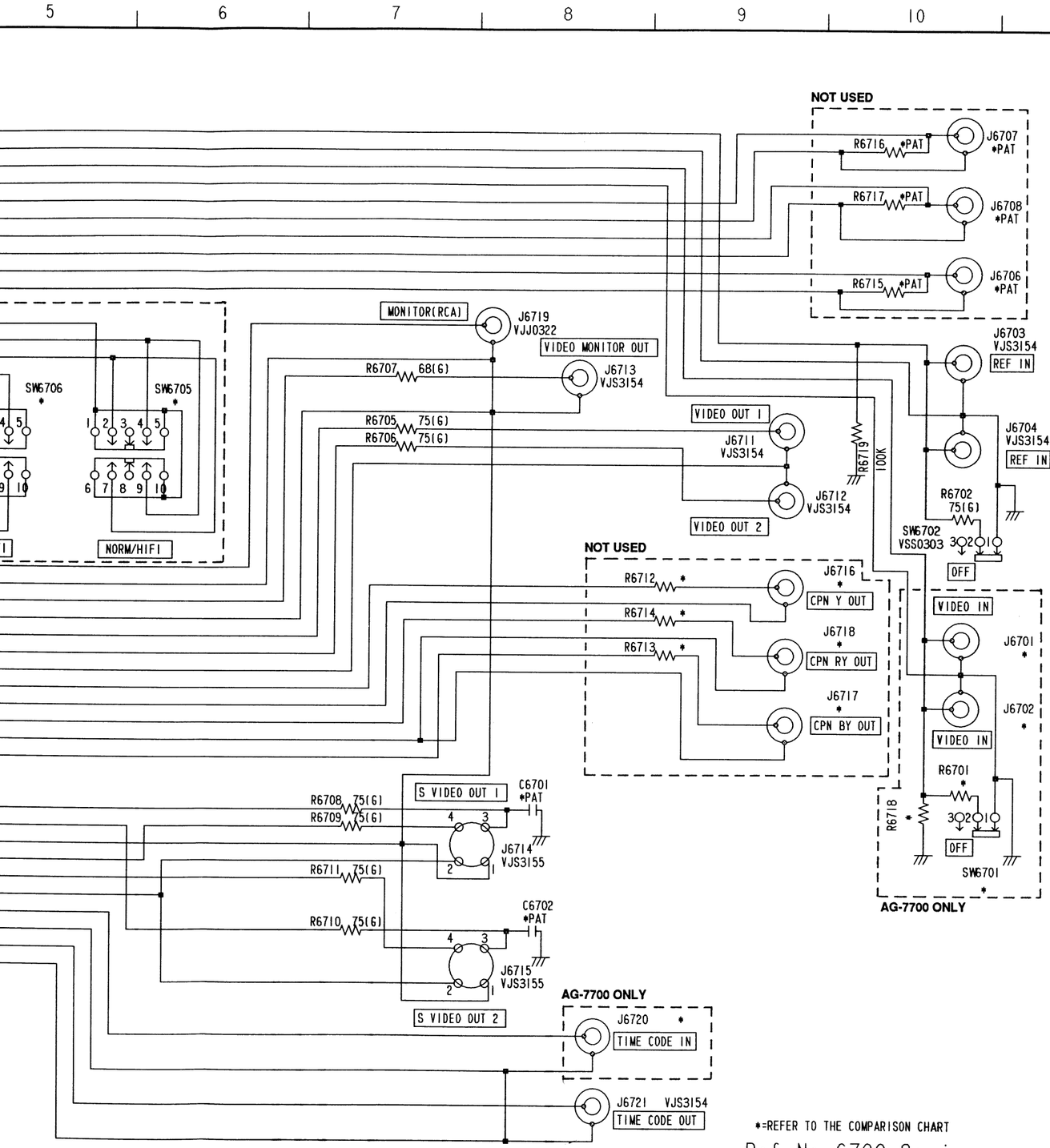
REAR JACK SCHEMATIC DIAGRAM 1/2 (E29: Page CBA-16)



*=REFER TO THE COMPARISON CHART

Ref No.6700 Series.

16)



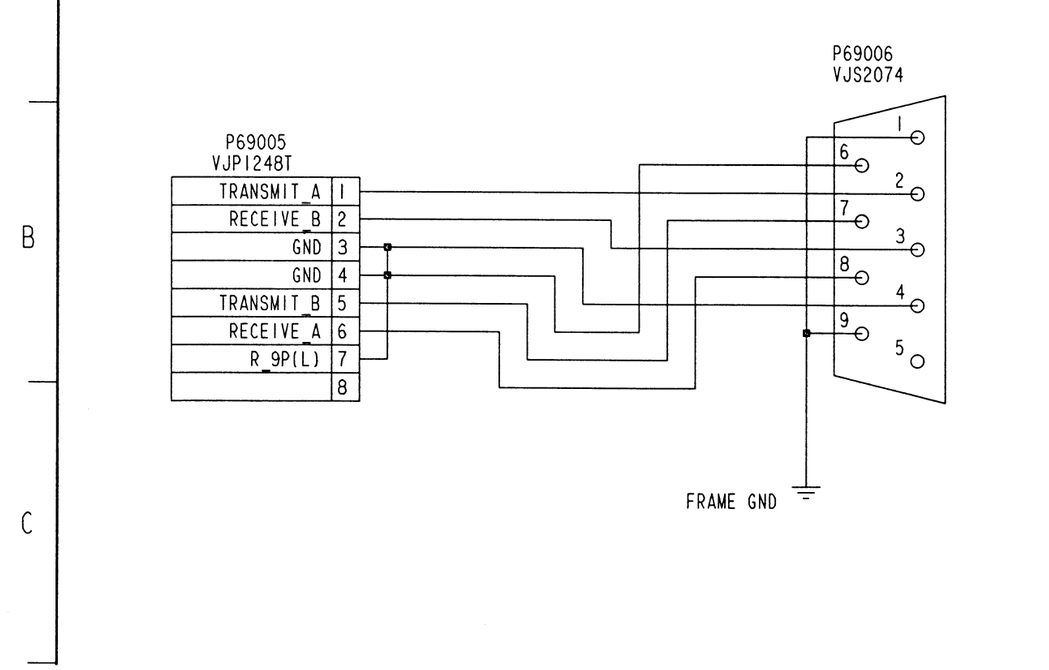
*=REFER TO THE COMPARISON CHART

Ref No.6700 Series.

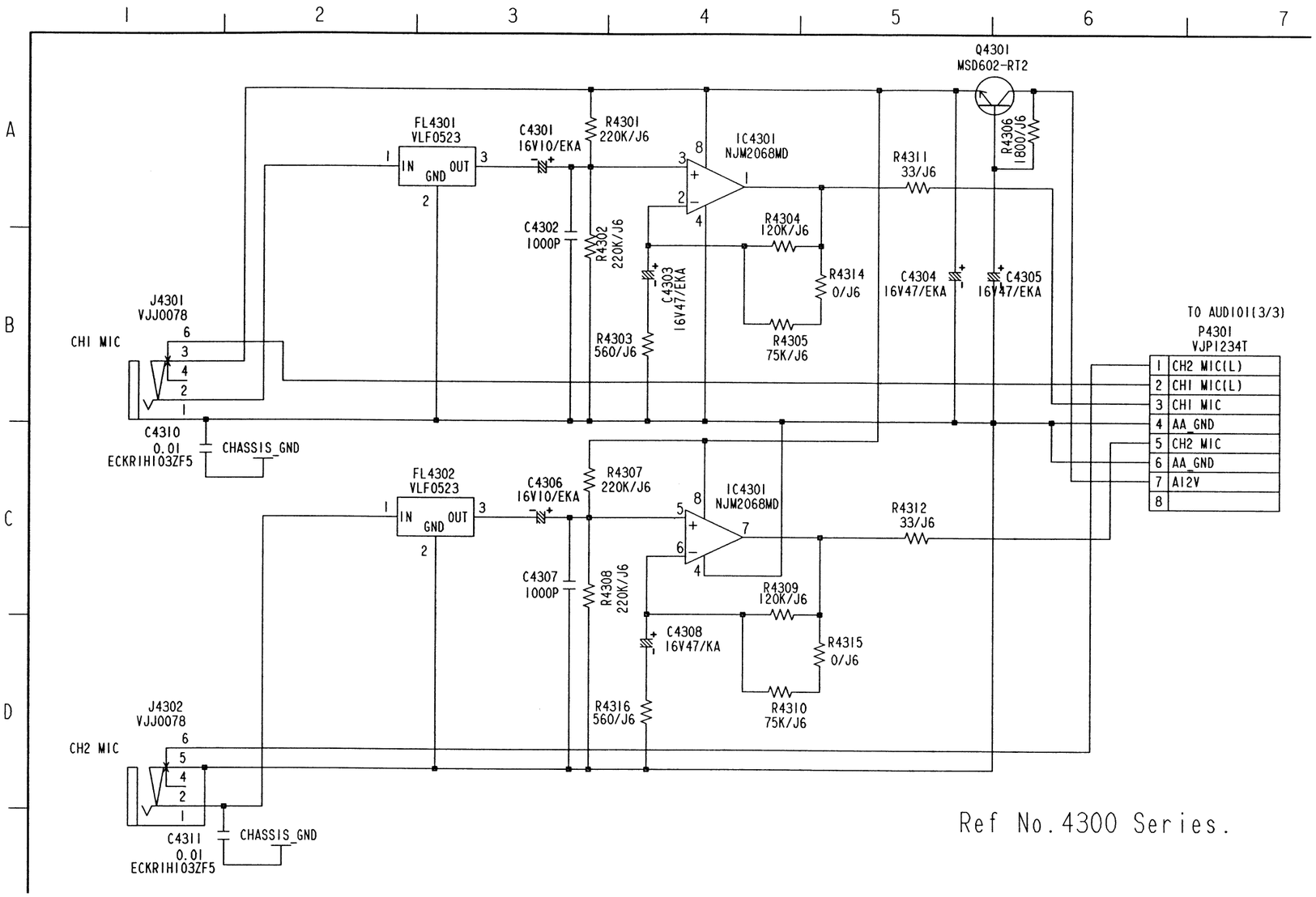
REAR JACK COMPARISON CHART 2/2 (E29: Page CBA-16)

REF	AG-7700	AG-7600
C6701	*PAT	*PAT
C6702	*PAT	*PAT
J6701	VJS3154	*PAT
J6702	VJS3154	*PAT
J6705	VJS3155	*PAT
J6720	VJS3154	*PAT
P6702	VJS3215B008	*PAT
R6701	75(G)	*PAT
R6704	75(G)	*PAT
R6718	100K/DS	*PAT
SW6701	VSS0303	*PAT
SW6705	VSS0390	*PAT
SW6706	VSS0390	*PAT

9PIN CONNECT SCHEMATIC DIAGRAM (E33: Page CBA-11)

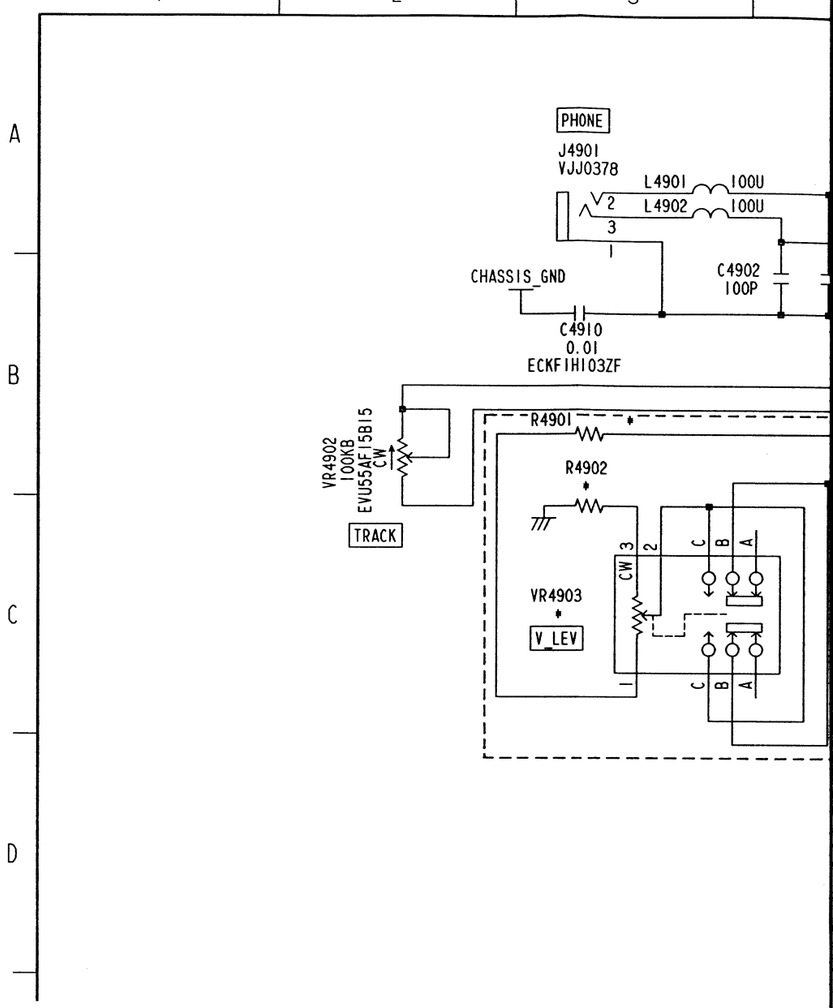


MIC JACK SCHEMATIC DIAGRAM (E20: AG-7700 0NLY/Page CBA-4)



Ref No.4300 Series.

FRONT JACK SCHEMATIC DIAGRAM 1/2 (E19: Pa



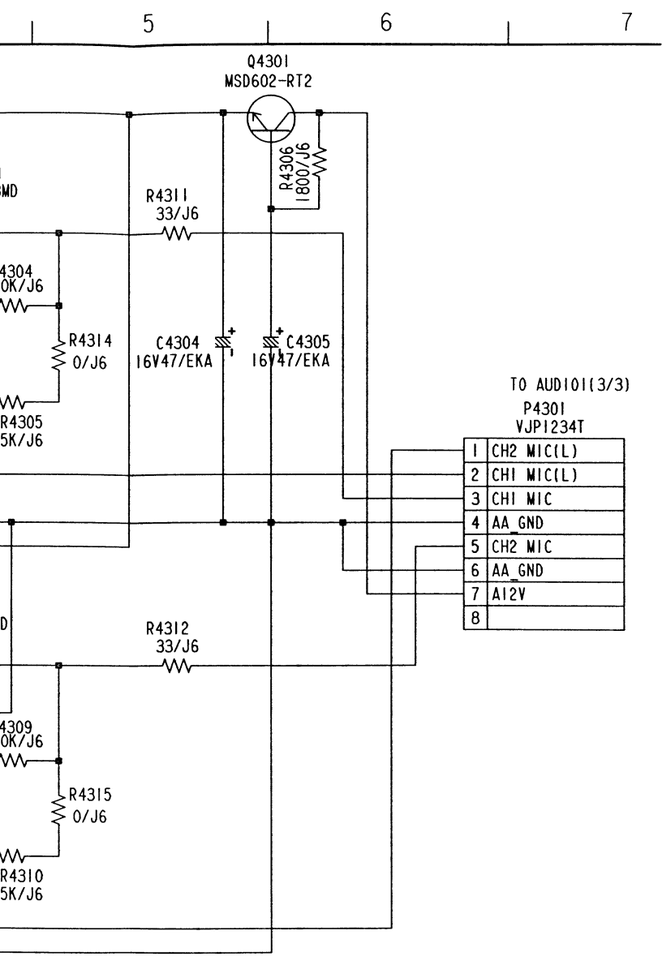
MIC JACK DC VOLTAGE CHART

REF. NO. / MODE	IC4301									
	1	2	3	4	5	6	7	8		
STOP	5.5	5.5	5.5	0	5.6	5.7	5.7	10.9		
REC	5.5	5.5	5.5	0	5.6	5.7	5.7	10.9		
REF. NO. / MODE	Q4301									
	E	C	B							
STOP	10.9	11.6	11.6							
REC	10.9	11.6	11.6							

FRONT JACK COMPARISON CHART 2/2 (E19:

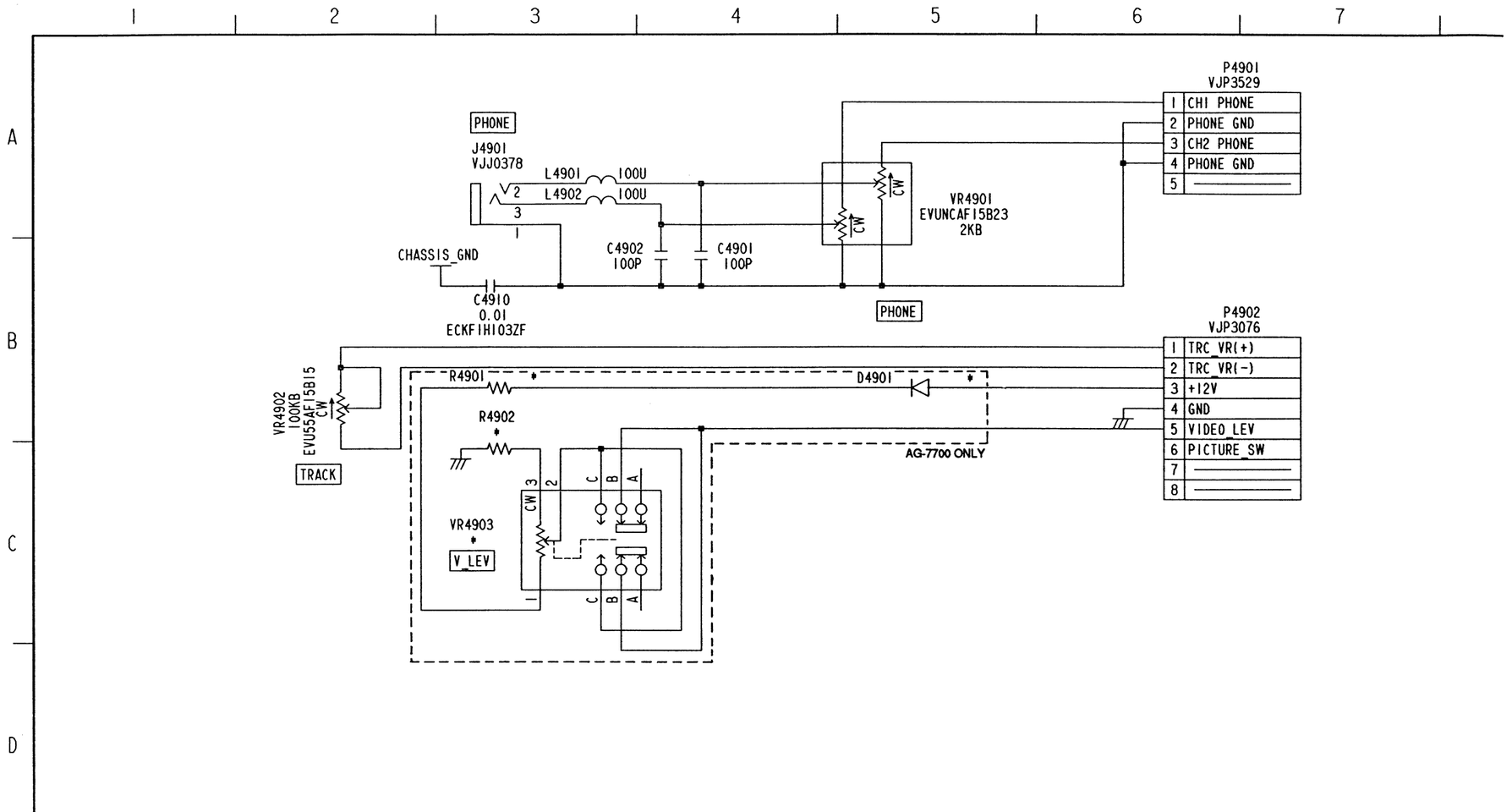
REF	AG-7700	AG-7600
D4901	MA165TA5VT	*PAT
R4901	33K/DS	*PAT/DS
R4902	8200/DS	*PAT/DS
R4903	*PAT/DS	*PAT/DS
R4904	*PAT/DS	*PAT/DS
R4905	*PAT/DS	*PAT/DS
R4906	*PAT/DS	*PAT/DS
SW4901	*PAT	*PAT
VR4903	EVU023015B14	*PAT

ge CBA-4)



Ref No.4300 Series.

FRONT JACK SCHEMATIC DIAGRAM 1/2 (E19: Page CBA-4)



*=REFER TO THE COMPARISON CHART

Ref No.4900 Series.

MIC JACK DC VOLTAGE CHART

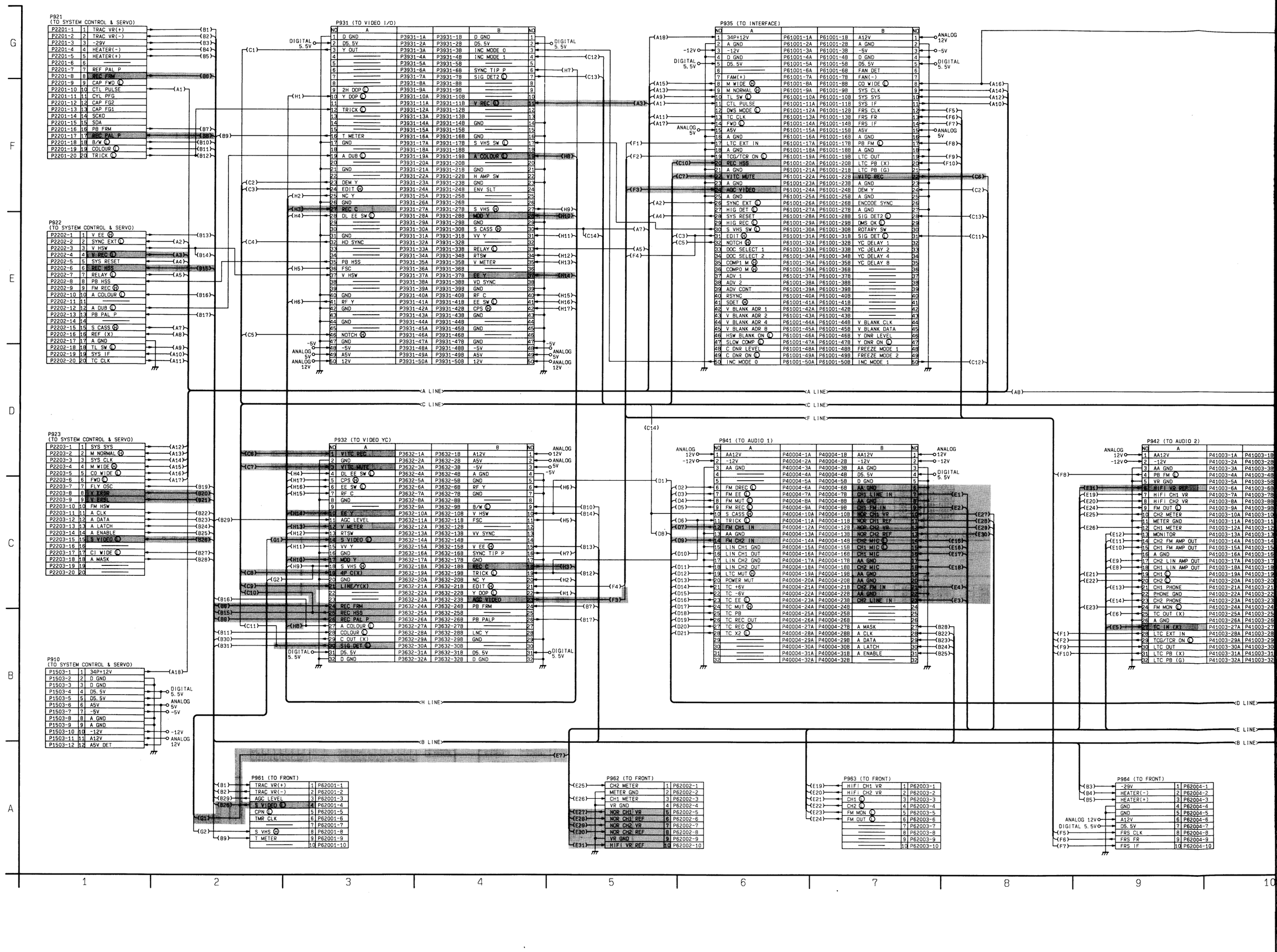
REF. NO.	IC4301									
MODE	1	2	3	4	5	6	7	8		
STOP	5.5	5.5	5.5	0	5.6	5.7	5.7	10.9		
REC	5.5	5.5	5.5	0	5.6	5.7	5.7	10.9		
REF. NO.	Q4301									
MODE	E	C	B							
STOP	10.9	11.6	11.6							
REC	10.9	11.6	11.6							

FRONT JACK COMPARISON CHART 2/2 (E19: Page CBA-4)

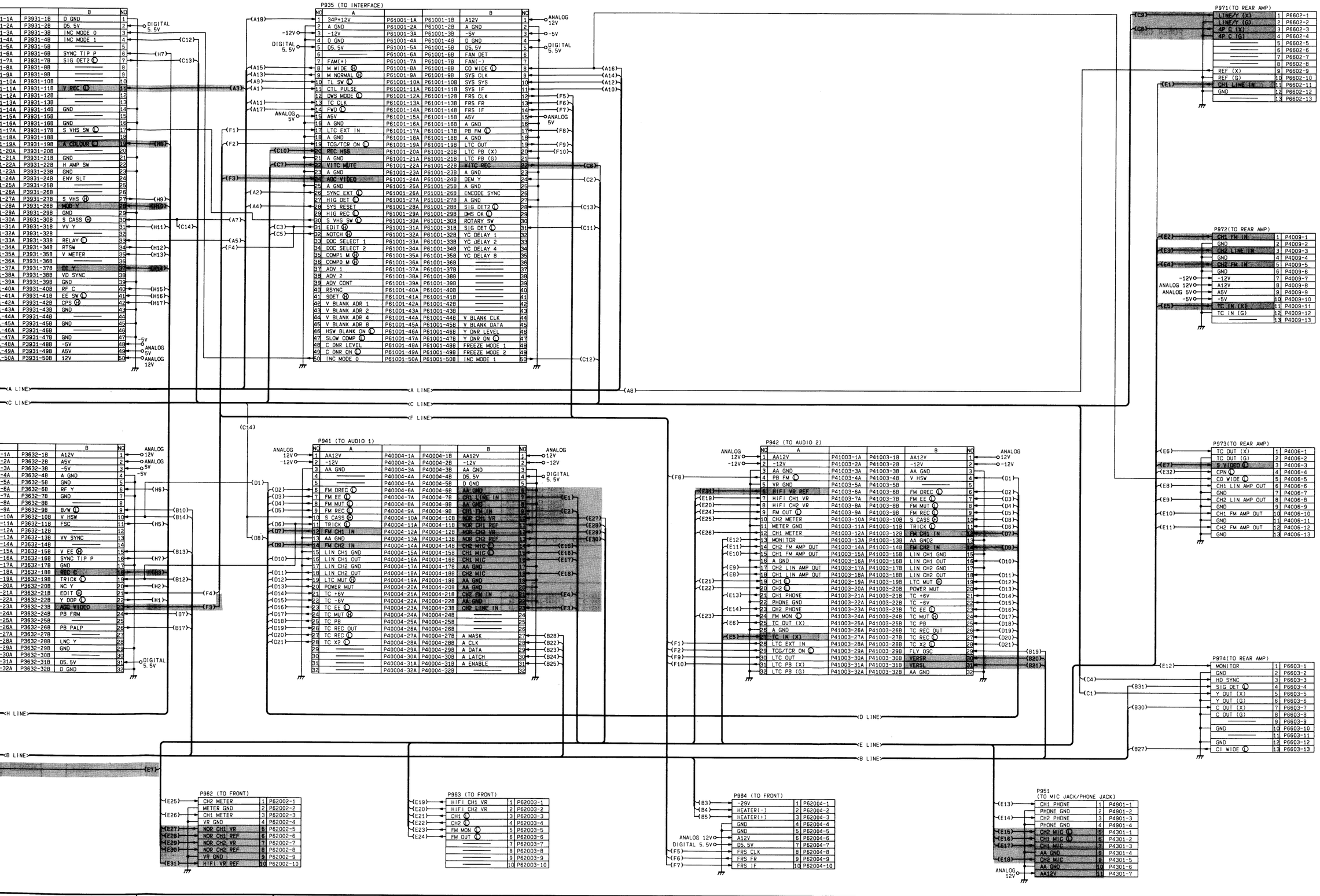
REF	AG-7700	AG-7600
D4901	MA165TA5VT	*PAT
R4901	33K/DS	*PAT/DS
R4902	8200/DS	*PAT/DS
R4903	*PAT/DS	*PAT/DS
R4904	*PAT/DS	*PAT/DS
R4905	*PAT/DS	*PAT/DS
R4906	*PAT/DS	*PAT/DS
SW4901	*PAT	*PAT
VR4903	EVU023015B14	*PAT

MOTHER SCHEMATIC DIAGRAM (E4: Page CBA-4)

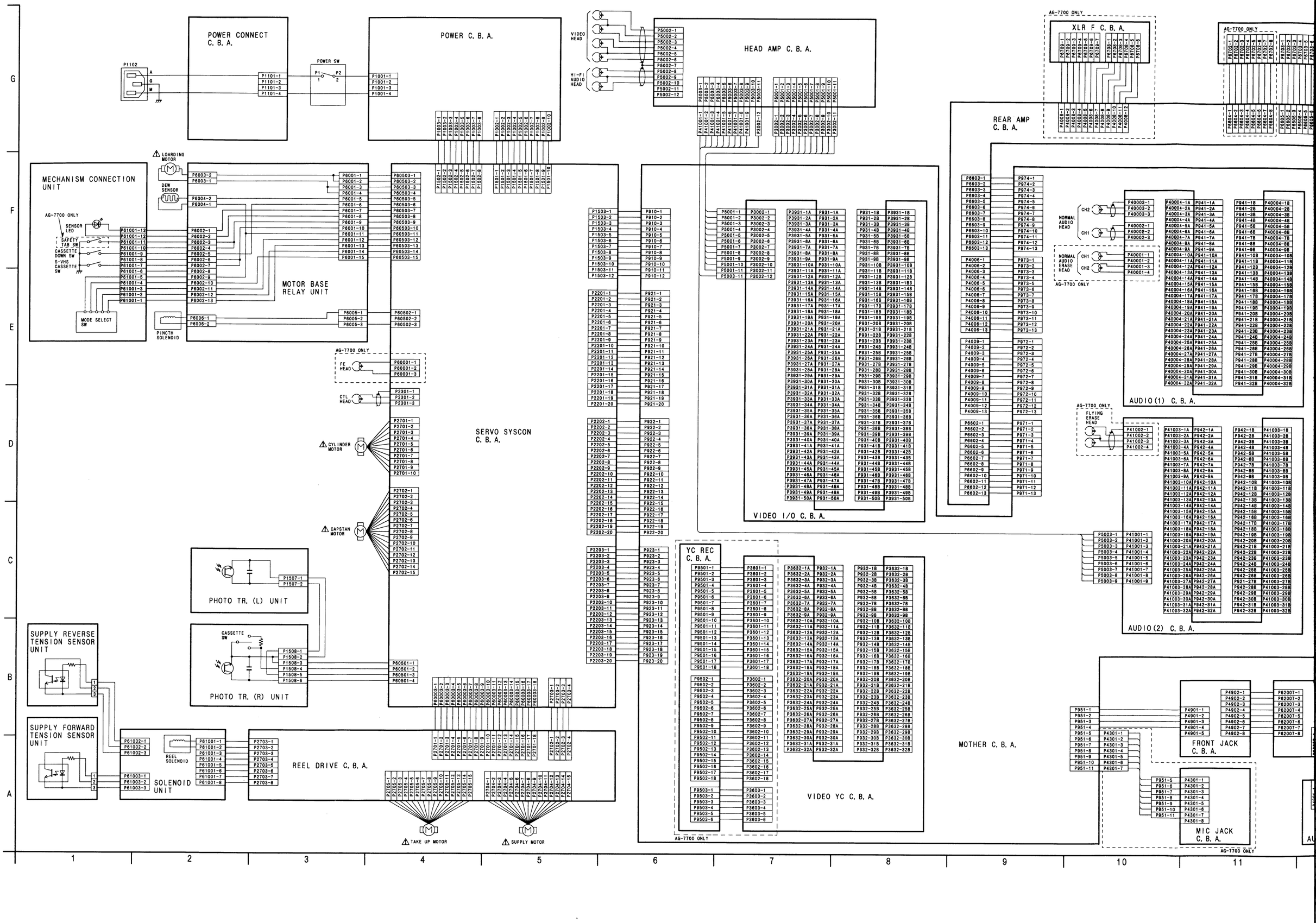
AG-7700 only have components and/or wires identified by shade mark on this schematic diagram.



BA-4) AG-7700 only have components and/or wires identified by shade mark on this schematic diagram.



INTERCONNECTION SCHEMATIC DIAGRAM



B. A.

SERVO SYSCON C. B. A.

SUPPLY MOTOR

VIDEO HEAD

HI-FI AUDIO HEAD

HEAD AMP C. B. A.

AG-7700 ONLY

XLR F C. B. A.

REAR JACK C. B. A.

REAR AMP C. B. A.

NORMAL AUDIO HEAD

NORMAL AUDIO ERASE HEAD

AG-7700 ONLY

FLYING ERASE HEAD

AG-7700 ONLY

AUDIO(1) C. B. A.

AUDIO(2) C. B. A.

VIDEO I/O C. B. A.

YC REC C. B. A.

AG-7700 ONLY

VIDEO YC C. B. A.

MOTHER C. B. A.

FRONT JACK C. B. A.

MIC JACK C. B. A.

AG-7700 ONLY

TIME CODE C. B. A.

34P CONNECT C. B. A. (OPTION)

34P I/O C. B. A.

INTERFACE C. B. A.

9PIN CONNECT C. B. A.

FRONT C. B. A.

SEARCH DIAL C. B. A.

AUDIO METER C. B. A.

FRONT LED C. B. A.

AG-7700 ONLY

KEYBOARD C. B. A.

5 6 7 8 9 10 11 12 13 14 15

SECTION 7

CIRCUIT BOARDS

CONTENTS

POWER C.B.A. CBA-3

MOTHER C.B.A., FRONT JACK C.B.A. AND MIC JACK C.B.A. CBA-4

SERVO & SYSTEM CONTROL C.B.A. CBA-5

YC REC C.B.A. CBA-6

VIDEO YC C.B.A. CBA-7

VIDEO I/O C.B.A. CBA-8

AUDIO (1) C.B.A. CBA-9

AUDIO (2) C.B.A. CBA-10

INTERFACE C.B.A., TIME CODE C.B.A. AND 9 PIN CONNECT C.B.A. CBA-11

FRONT C.B.A. AND FRONT LED C.B.A. CBA-12

KEYBOARD C.B.A. CBA-13

HEAD AMP C.B.A. CBA-13

REAR AMP C.B.A. CBA-14

REEL DRIVE C.B.A. CBA-15

REAR JACK C.B.A. CBA-16

XLR M C.B.A. AND XLR F C.B.A. CBA-16

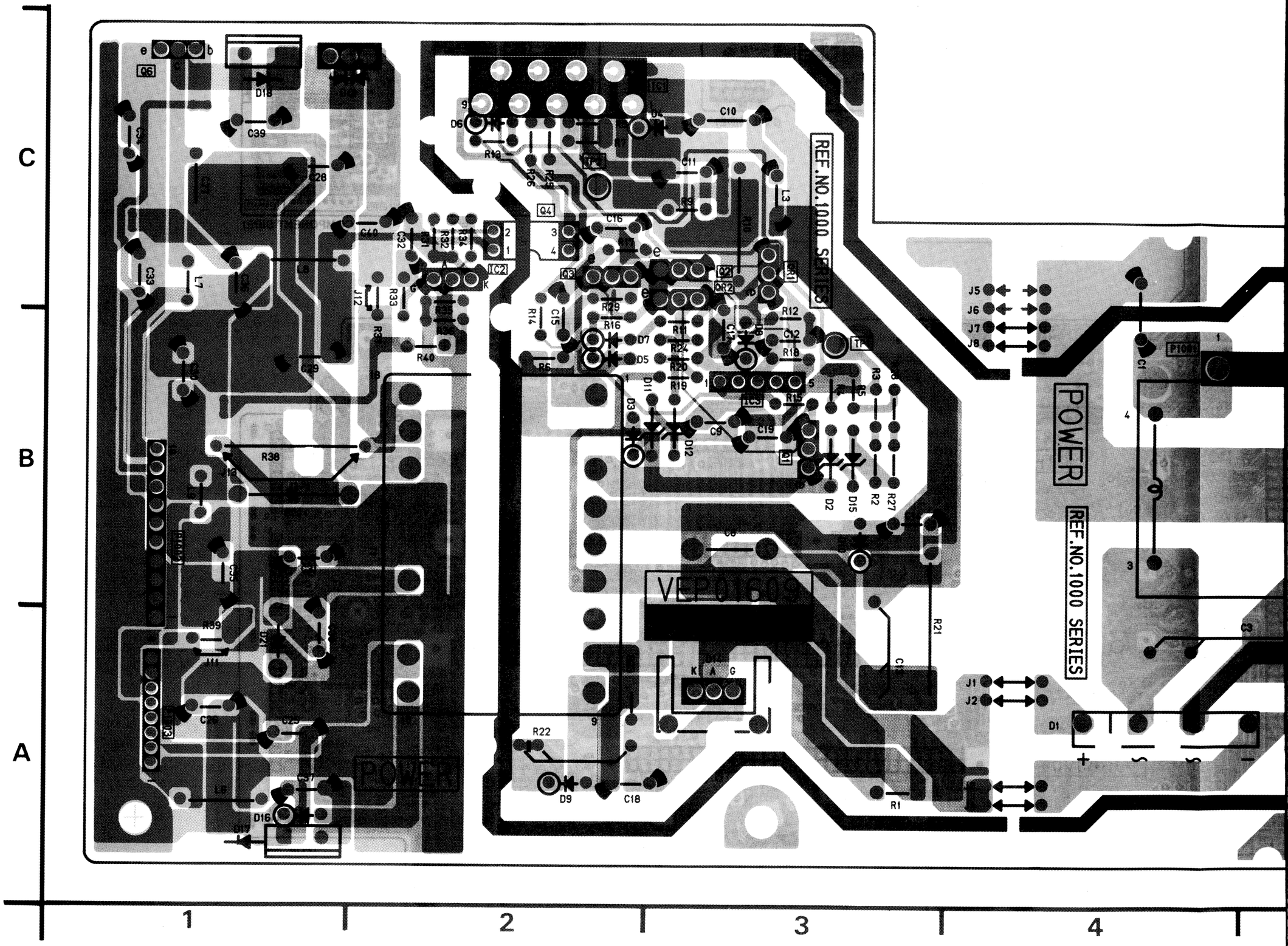
IMPORTANT SAFETY NOTICE

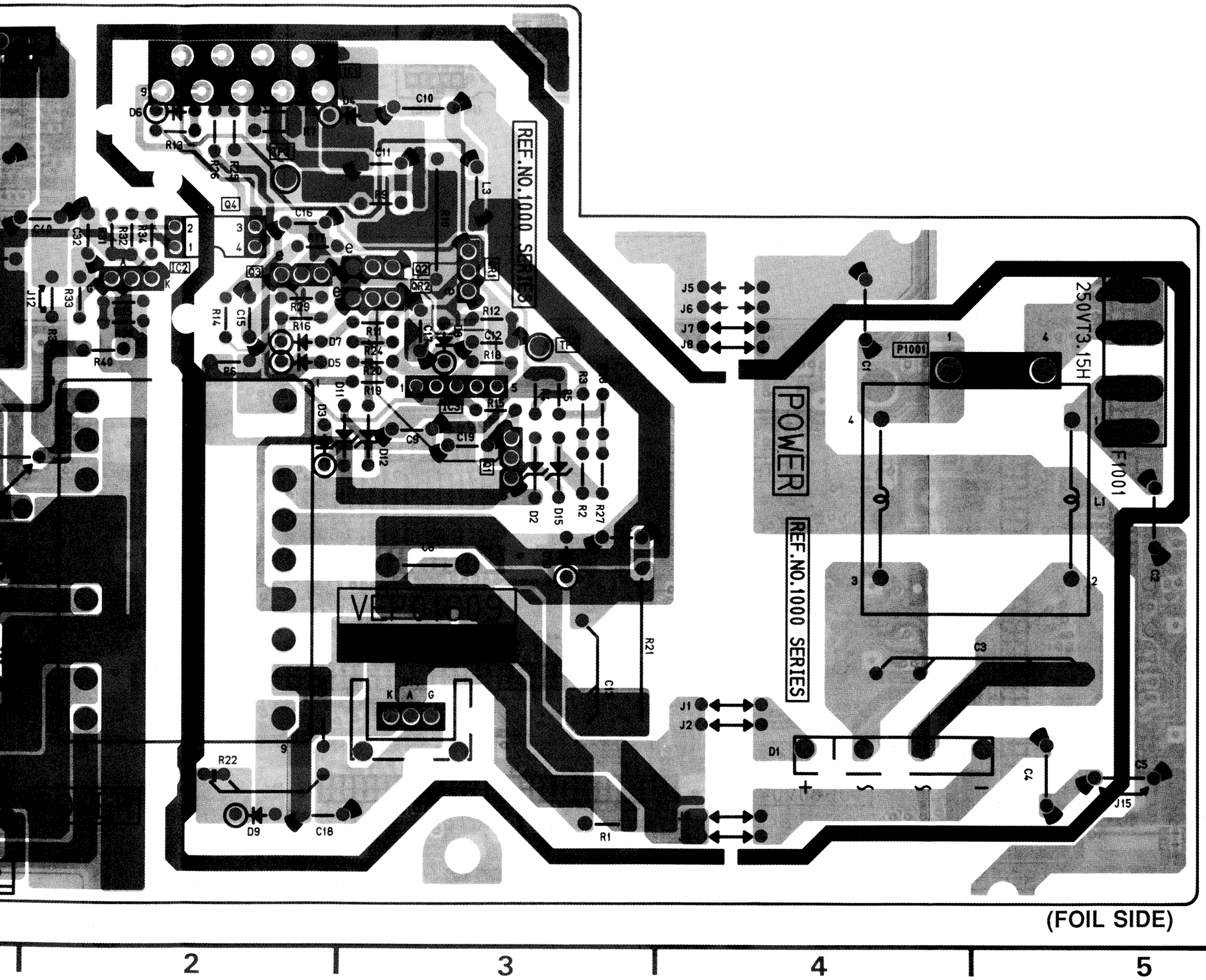
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

NOTE

DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST. AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

POWER C.B.A. (E1)



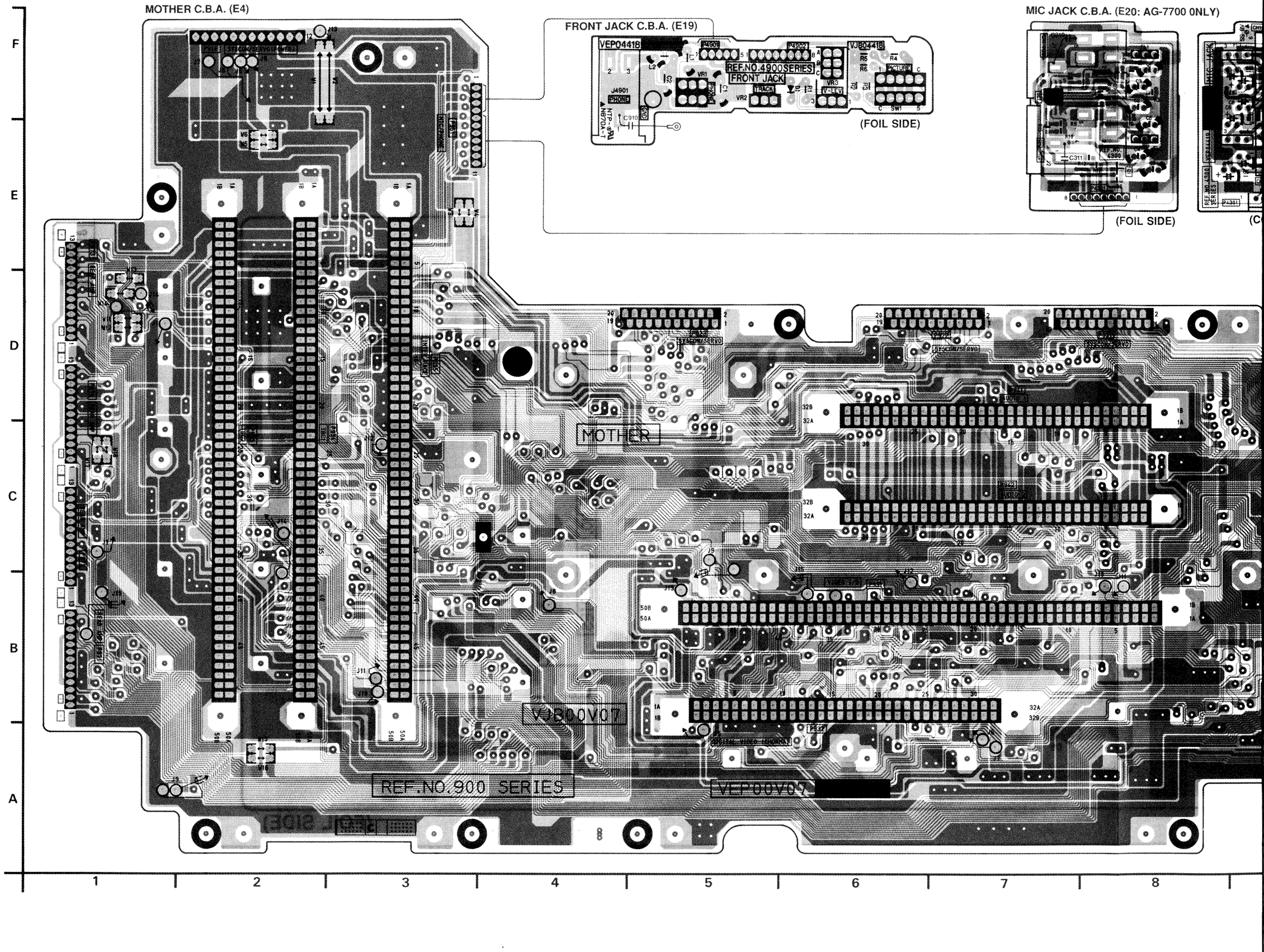


(FOIL SIDE)

POWER C.B.A.	
Transistor	
Q1001	B-3
Q1002	C-3
Q1003	C-2
Q1004	C-2
Q1006	C-1
Transistor & Resistor	
QR1001	C-3
QR1002	B-3
Integrated Circuit	
IC1001	C-2
IC1002	C-2
IC1003	B-3
Test Point	
TP1001	B-3
TP1002	C-2
Connector	
P1001	B-4
P1002	B-1
P1003	A-1

ADDRESS INFORMATION

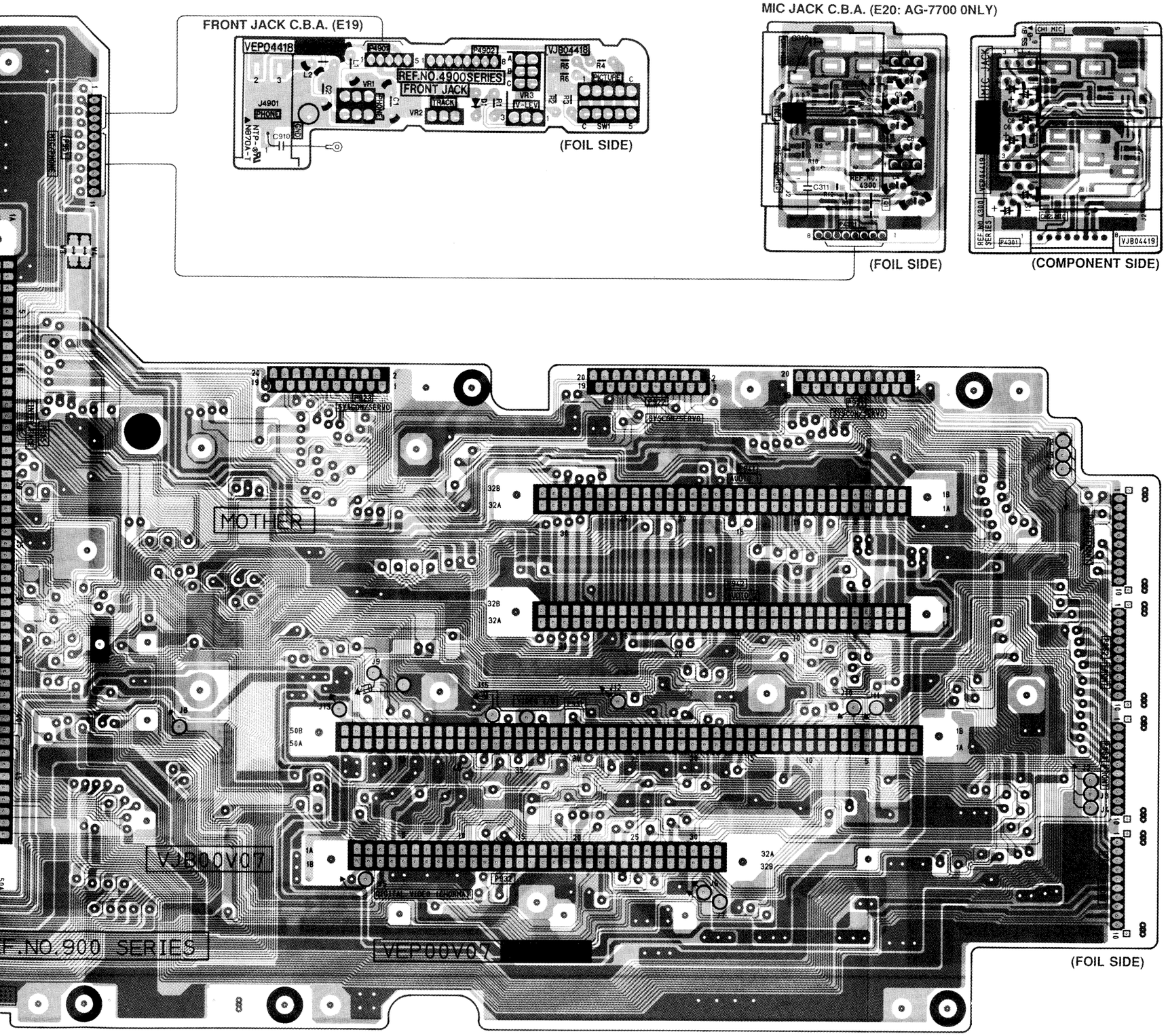
MOTHER C.B.A. (E4), FRONT JACK C.B.A. (E19) AND MIC JACK C.B.A. (E20: AG-7700 0NLY)



(E19) AND MIC JACK C.B.A. (E20: AG-7700 0NLY)

FRONT JACK C.B.A. (E19)

MIC JACK C.B.A. (E20: AG-7700 0NLY)



MOTHER C.B.A.	
Connector	
P910	F-2
P921	D-8
P922	D-7
P923	D-5
P931	B-6
P932	B-6
P933	C-2
P934	C-2
P935	D-3
P941	D-7
P942	C-7
P951	E-3
P961	C-9
P962	C-9
P963	B-9
P964	A-9
P971	B-1
P972	C-1
P973	E-1
P974	D-1

ADDRESS INFORMATION

FRONT JACK C.B.A.	
Adjustment	
VR4901	F-5
VR4902	F-5
VR4903	F-6
Connector	
P4901	F-5
P4902	F-6

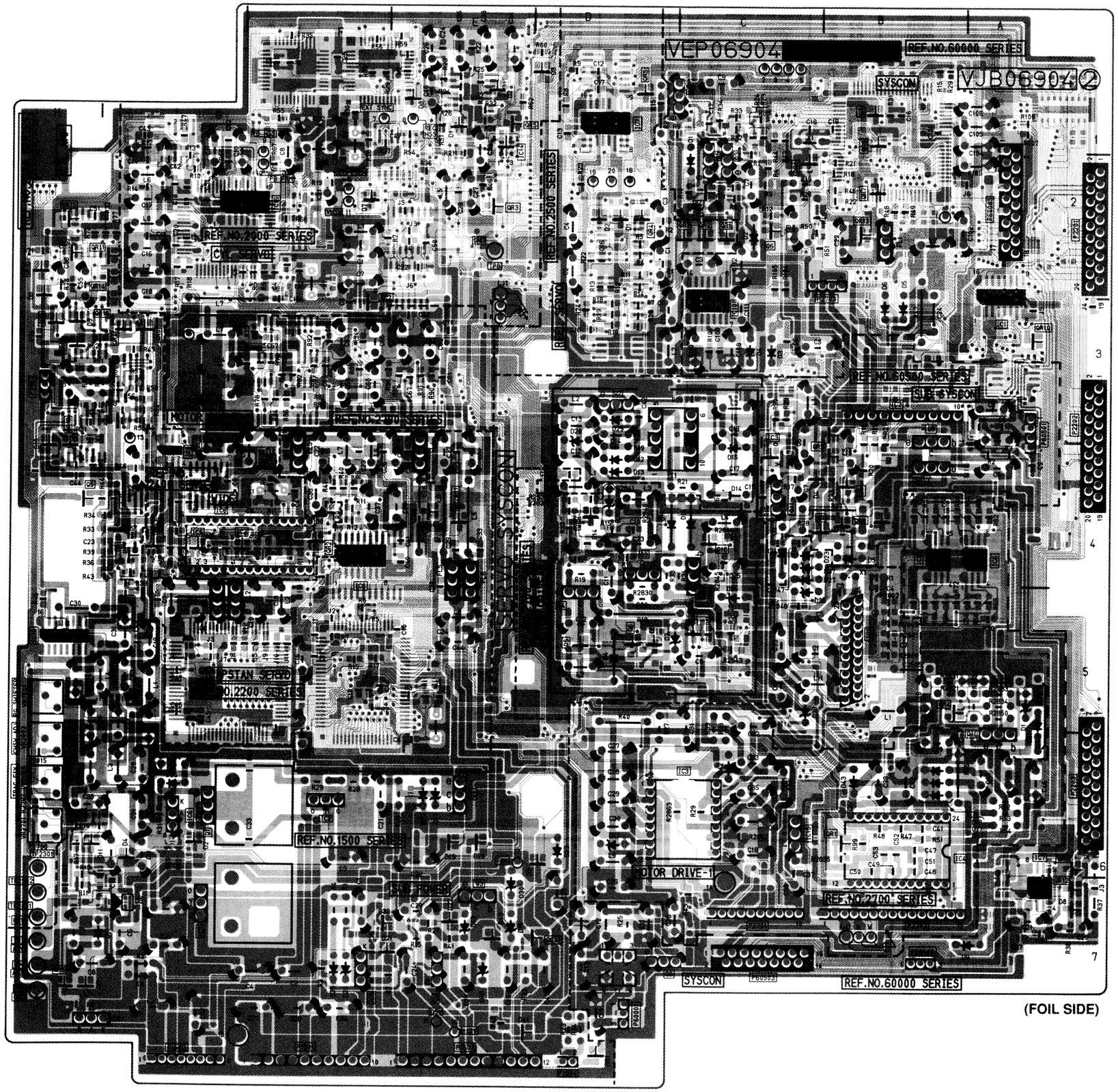
ADDRESS INFORMATION

MIC JACK C.B.A.	
Transistor	
Q4301	E-8
Integrated Circuit	
IC4301	F-7
Connector	
P4301	E-8
P4301	E-9

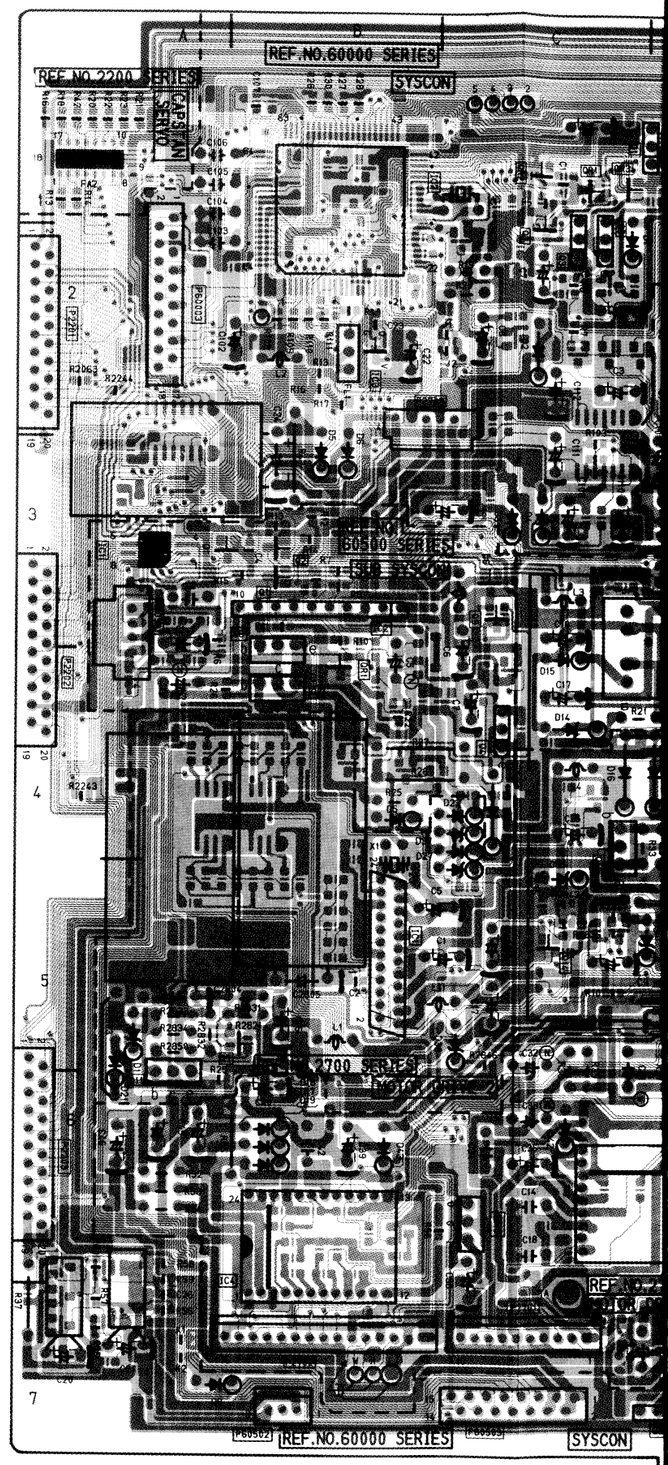
ADDRESS INFORMATION

3 4 5 6 7 8 9

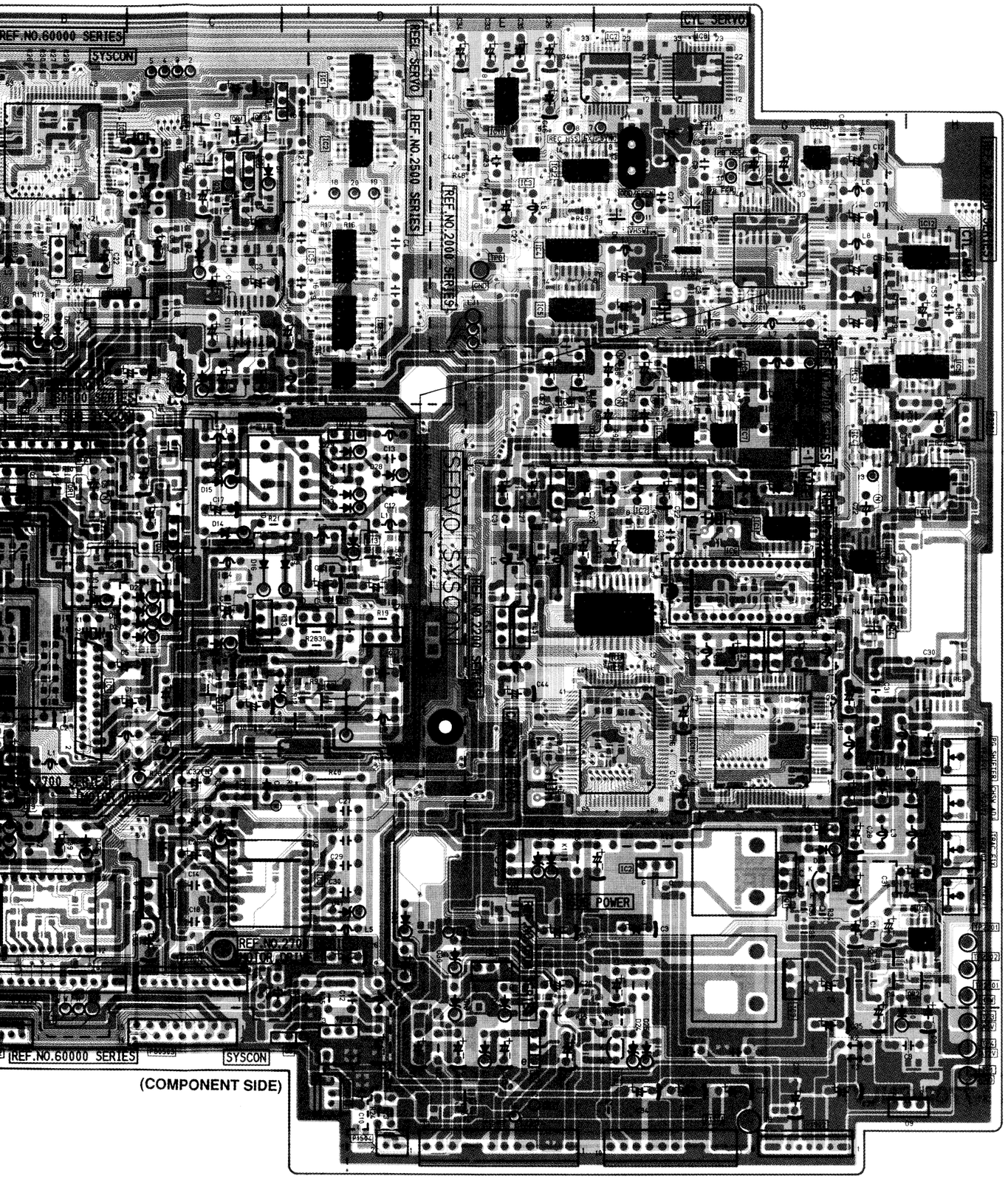
SERVO & SYSTEM CONTROL C.B.A. (E3)



(FOIL SIDE)



(COMPONENT SIDE)



(COMPONENT SIDE)

SERVO & SYSTEM CONTROL C.B.A.

Transistor		
Q1501	G-6	©
Q1501	G-6	Ⓕ
Q1502	D-3	©
Q1502	D-3	Ⓕ
Q1503	E-7	©
Q1503	E-7	Ⓕ
Q1504	E-6	©
Q1504	E-6	Ⓕ
Q1505	E-7	©
Q1505	E-7	Ⓕ
Q2001	F-3	©
Q2302	H-2	Ⓕ
Q2303	G-4	Ⓕ
Q2304	G-4	©
Q2305	H-4	Ⓕ
Q2703	D-5	©
Q2704	D-5	©
Q2704	D-5	Ⓕ
Q2705	D-5	Ⓕ
Q2706	D-5	Ⓕ
Q2707	B-5	©
Q2709	D-4	©
Q2709	D-4	Ⓕ
Q2710	C-4	©
Q2710	C-4	Ⓕ
Q2711	A-6	©
Q2711	A-6	Ⓕ
Q2713	D-4	©
Q2714	C-5	©
Q2715	D-4	Ⓕ
Q2716	C-4	Ⓕ
Q60001	C-1	©
Q60001	C-1	Ⓕ
Q60002	C-2	©
Q60003	C-2	©
Q60003	C-2	Ⓕ
Q60004	C-2	Ⓕ
Q60005	C-2	©
Q60005	C-2	Ⓕ
Q60006	C-2	Ⓕ
Q60007	B-1	Ⓕ
Q60008	D-7	Ⓕ
Q60501	B-3	©
Q60502	B-3	©
Q60503	B-3	Ⓕ
Q60504	C-4	©
Q60504	C-4	Ⓕ
Q60505	B-4	Ⓕ
Q60506	B-3	©
Q60506	B-3	Ⓕ
Q60507	B-4	Ⓕ
Q60508	B-4	©
Q60508	B-4	Ⓕ
Q60509	C-3	©

Transistor & Resistor		
QR1501	G-7	©
QR1502	H-7	©
QR1503	H-7	Ⓕ
QR1541	D-7	Ⓕ
QR2003	E-2	Ⓕ
QR2005	E-1	Ⓕ
QR2304	G-3	Ⓕ
QR2305	G-3	Ⓕ
QR2306	H-3	Ⓕ
QR2308	H-3	Ⓕ
QR2309	H-2	Ⓕ
QR2310	G-3	Ⓕ
QR2311	G-2	Ⓕ
QR2312	H-2	Ⓕ
QR2313	H-4	Ⓕ
QR2314	G-2	Ⓕ
QR2401	E-4	Ⓕ
QR2402	F-4	Ⓕ
QR2501	C-2	Ⓕ
QR2502	C-2	Ⓕ
QR2503	C-2	Ⓕ
QR2504	D-2	Ⓕ
QR2505	D-1	Ⓕ
QR2701	B-6	Ⓕ
QR2702	D-5	©
QR2703	C-5	Ⓕ
QR2704	B-5	Ⓕ
QR60001	C-1	©
QR60002	C-1	©
QR60003	C-1	©
QR60004	C-2	Ⓕ
QR60006	A-6	Ⓕ
QR60007	B-2	Ⓕ
QR60008	B-1	Ⓕ
QR60010	A-3	Ⓕ
QR60012	A-6	Ⓕ
QR60013	B-2	Ⓕ
QR60501	B-4	©
QR60502	B-4	Ⓕ
QR60503	B-4	Ⓕ

Integrated Circuit		
IC1501	H-6	©
IC1502	F-6	©
IC1502	F-6	Ⓕ
IC1503	G-7	©
IC1503	G-7	Ⓕ
IC1505	F-7	©
IC1505	F-7	Ⓕ
IC1506	G-6	©
IC1506	G-6	Ⓕ
IC2001	G-2	©
IC2002	F-3	Ⓕ
IC2003	E-1	©
IC2005	E-2	©
IC2006	F-2	©
IC2007	F-1	©
IC2008	F-1	©
IC2009	F-2	©
IC2010	E-1	©
IC2012	E-2	©
IC2013	G-1	©
IC2014	E-1	Ⓕ
IC2016	F-2	Ⓕ
IC2201	F-5	©
IC2202	F-4	©
IC2203	F-4	©
IC2206	F-4	Ⓕ
IC2207	F-4	©
IC2302	G-4	©
IC2303	G-3	©
IC2304	G-3	©
IC2305	H-3	©
IC2310	H-5	Ⓕ
IC2311	H-4	©
IC2312	H-2	©
IC2401	G-4	©
IC2402	G-4	Ⓕ
IC2403	F-4	Ⓕ
IC2404	G-4	Ⓕ
IC2405	G-4	Ⓕ
IC2406	F-4	©
IC2406	G-4	Ⓕ
IC2501	D-1	©
IC2502	D-1	©
IC2503	D-3	©
IC2505	D-2	©
IC2506	D-3	©
IC2507	D-1	Ⓕ
IC2701	B-5	©
IC2701	B-5	Ⓕ
IC2703	D-6	©
IC2703	C-6	Ⓕ
IC2704	B-6	©
IC2704	B-6	Ⓕ
IC2705	B-4	Ⓕ
IC2706	A-4	Ⓕ
IC2707	F-3	©
IC2708	F-3	©
IC2709	F-3	©
IC2710	F-3	©
IC2711	E-3	©
IC2715	C-6	©
IC2715	C-6	Ⓕ
IC60001	A-3	Ⓕ
IC60002	B-1	©
IC60003	B-2	©
IC60007	A-7	Ⓕ
IC60101	C-3	Ⓕ
IC60501	A-3	©
IC60502	B-3	©
IC60502	B-3	Ⓕ
IC60503	C-4	Ⓕ

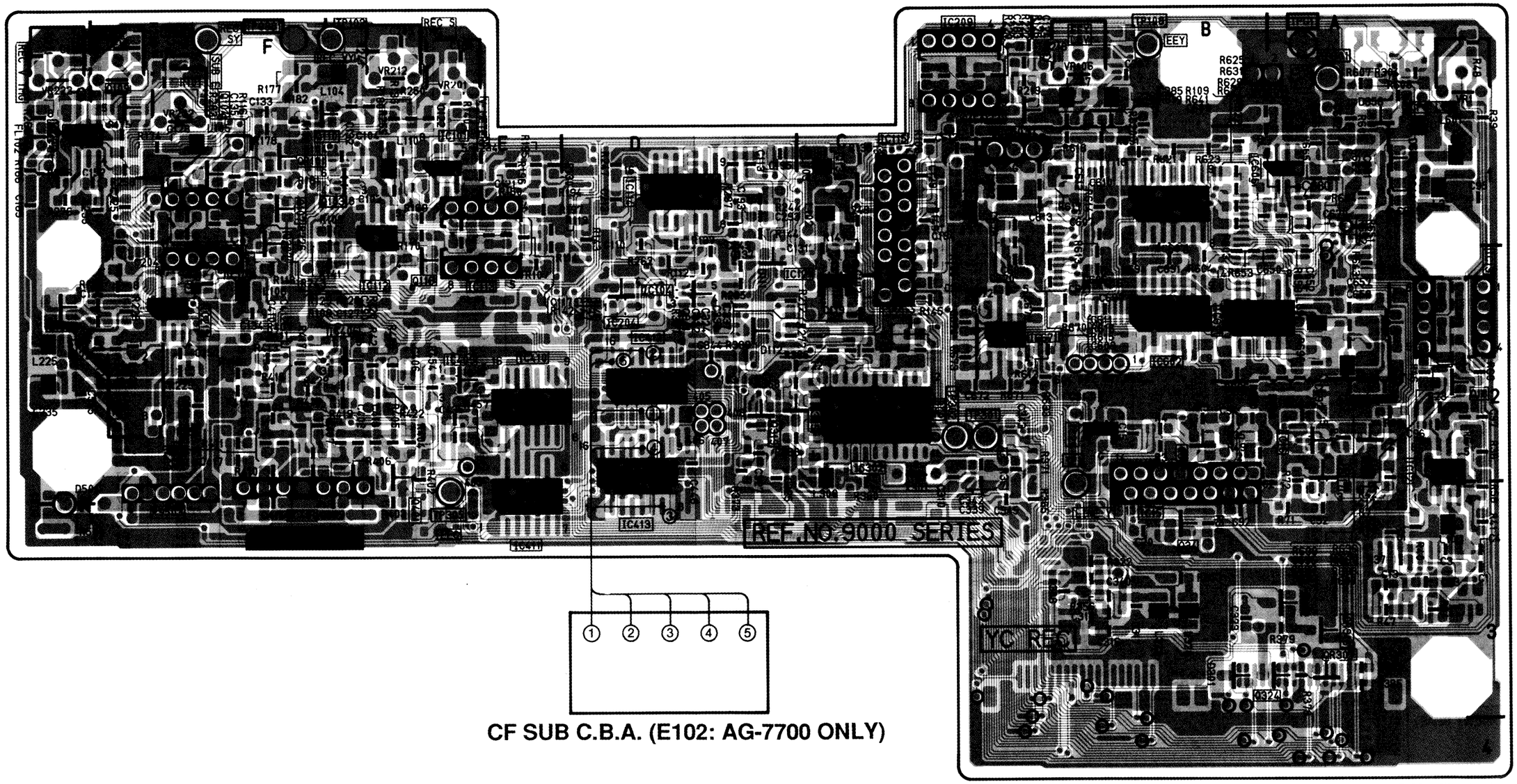
Test Point		
TP1501	H-7	©
TP1501	H-7	Ⓕ
TP1503	H-7	©
TP1503	H-7	Ⓕ
TP1504	H-7	©
TP1504	H-7	Ⓕ
TP2001	H-7	©
TP2001	H-7	Ⓕ
TP2008	E-2	©
TP2008	E-2	Ⓕ
TP2301	H-6	©
TP2301	H-6	Ⓕ
TP2502	H-7	©
TP2502	H-7	Ⓕ

Adjustment		
VR2001	H-5	©
VR2001	H-5	Ⓕ
VR2002	H-6	©
VR2002	H-6	Ⓕ
VR2003	H-6	©
VR2003	H-6	Ⓕ
VR2701	H-6	©
VR2701	H-6	Ⓕ

Connector		
P1501	F-7	©
P1501	F-7	Ⓕ
P1502	G-7	©
P1502	G-7	Ⓕ
P1503	E-7	©
P1503	E-7	Ⓕ
P1504	D-7	©
P1504	D-7	Ⓕ
P2201	A-2	©
P2201	A-2	Ⓕ
P2202	A-4	©
P2202	A-3	Ⓕ
P2203	A-6	©
P2203	A-6	Ⓕ
P2301	H-3	©
P2301	H-3	Ⓕ
P2701	C-7	©
P2701	C-7	Ⓕ
P2702	B-7	©
P2702	B-7	Ⓕ
P2703	B-2	©
P2703	B-2	Ⓕ
P60001	D-7	©
P60001	D-7	Ⓕ
P60003	A-2	©
P60003	A-2	Ⓕ
P60501	A-3	©
P60501	A-3	Ⓕ
P60502	B-7	©
P60502	B-7	Ⓕ
P60503	C-7	©
P60503	C-7	Ⓕ

ADDRESS INFORMATION
©...COMPONENT SIDE
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YC REC C.B.A. (E13: AG-7700 ONLY)



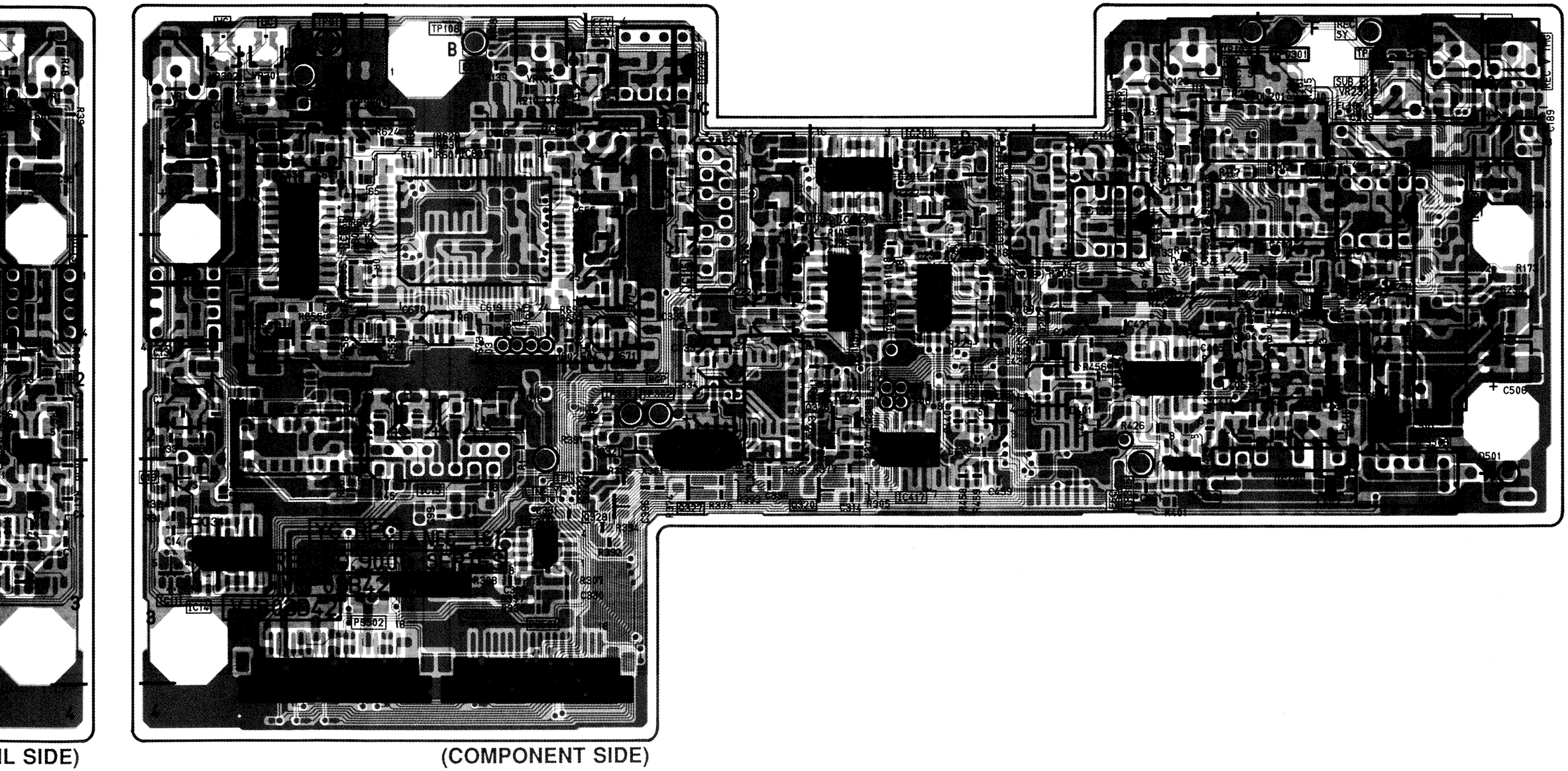
CF SUB C.B.A. (E102: AG-7700 ONLY)

(FOIL SIDE)

YC REC C.B.A.

Transistor		Q9221	C-1 Ⓕ	Integrated Circuit		IC9113	E-1 Ⓒ	IC9404	E-2 Ⓒ	Test Point		TPG9301	F-1 Ⓒ	Connector	
Q9008	B-2 Ⓕ	Q9319	D-2 Ⓕ	IC9011	A-3 Ⓒ	IC9113	E-2 Ⓕ	IC9405	F-2 Ⓒ	TP9001	B-3 Ⓒ	TPG9301	F-1 Ⓕ	P9001	B-1 Ⓒ
Q9018	A-2 Ⓕ	Q9320	C-3 Ⓒ	IC9012	A-2 Ⓕ	IC9114	D-1 Ⓕ	IC9406	E-2 Ⓕ	TP9001	B-2 Ⓕ	Adjustment		P9001	B-1 Ⓕ
Q9019	A-3 Ⓒ	Q9321	C-2 Ⓒ	IC9013	A-2 Ⓒ	IC9115	C-2 Ⓒ	IC9409	E-2 Ⓕ	TP9101	F-1 Ⓒ	VR9001	A-1 Ⓒ	P9501	B-3 Ⓒ
Q9020	A-2 Ⓕ	Q9322	C-3 Ⓒ	IC9013	A-2 Ⓕ	IC9115	C-1 Ⓕ	IC9410	E-2 Ⓕ	TP9101	F-1 Ⓕ	VR9001	A-1 Ⓕ	P9502	B-3 Ⓒ
Q9034	B-3 Ⓕ	Q9324	B-3 Ⓕ	IC9014	A-3 Ⓒ	IC9121	D-2 Ⓕ	IC9411	E-3 Ⓕ	TP9102	E-2 Ⓒ	VR9106	B-1 Ⓒ	P9503	F-2 Ⓒ
Q9101	D-1 Ⓒ	Q9325	C-2 Ⓕ	IC9015	B-3 Ⓒ	IC9201	D-1 Ⓒ	IC9412	D-2 Ⓕ	TP9102	E-2 Ⓕ	VR9106	B-1 Ⓕ	P9503	F-2 Ⓕ
Q9102	E-1 Ⓒ	Q9326	D-2 Ⓒ	IC9015	B-3 Ⓕ	IC9202	D-2 Ⓒ	IC9413	D-3 Ⓕ	TP9108	B-1 Ⓒ	VR9201	E-1 Ⓒ		
Q9103	F-1 Ⓕ	Q9327	C-3 Ⓒ	IC9016	A-2 Ⓕ	IC9203	D-2 Ⓒ	IC9417	D-3 Ⓒ	TP9108	B-1 Ⓕ	VR9201	E-1 Ⓕ		
Q9104	F-1 Ⓕ	Q9328	C-3 Ⓒ	IC9017	A-2 Ⓕ	IC9204	D-2 Ⓕ	IC9419	D-2 Ⓒ	TP9301	C-2 Ⓒ	VR9202	F-1 Ⓒ		
Q9107	F-1 Ⓕ	Q9410	E-3 Ⓕ	IC9021	B-2 Ⓕ	IC9209	C-1 Ⓒ	IC9601	B-1 Ⓒ	TP9301	C-2 Ⓕ	VR9202	F-1 Ⓕ		
Q9108	G-2 Ⓕ	Transistor & Resistor		IC9101	E-1 Ⓕ	IC9209	C-1 Ⓕ	IC9602	B-2 Ⓕ	TP9302	C-2 Ⓒ	VR9222	G-2 Ⓒ		
Q9109	F-1 Ⓕ	QR9101	F-1 Ⓕ	IC9102	D-1 Ⓒ	IC9212	F-2 Ⓕ	IC9603	B-1 Ⓒ	TP9302	C-2 Ⓕ	VR9222	G-1 Ⓕ		
Q9110	F-1 Ⓕ	QR9307	A-3 Ⓕ	IC9103	F-1 Ⓒ	IC9222	G-1 Ⓕ	IC9603	C-1 Ⓕ	TP9305	E-3 Ⓒ	VR9232	F-1 Ⓒ		
Q9118	E-2 Ⓕ	QR9316	A-3 Ⓕ	IC9103	F-2 Ⓕ	IC9302	C-2 Ⓕ	IC9606	B-1 Ⓕ	TP9305	E-3 Ⓕ	VR9232	F-1 Ⓕ		
Q9119	E-2 Ⓒ			IC9104	D-2 Ⓕ	IC9310	B-3 Ⓒ	IC9655	A-1 Ⓒ	TP9601	A-1 Ⓒ	VR9301	A-1 Ⓒ		
Q9134	C-1 Ⓕ			IC9105	D-2 Ⓒ	IC9401	F-3 Ⓒ	IC9671	C-2 Ⓕ	TP9601	A-1 Ⓕ	VR9302	A-1 Ⓒ		
Q9202	E-2 Ⓒ			IC9106	D-1 Ⓒ	IC9401	F-3 Ⓕ	IC9691	B-2 Ⓕ	TPG9001	A-1 Ⓒ				
Q9207	F-1 Ⓕ			IC9112	E-2 Ⓕ	IC9403	E-3 Ⓒ			TPG9001	A-1 Ⓕ				

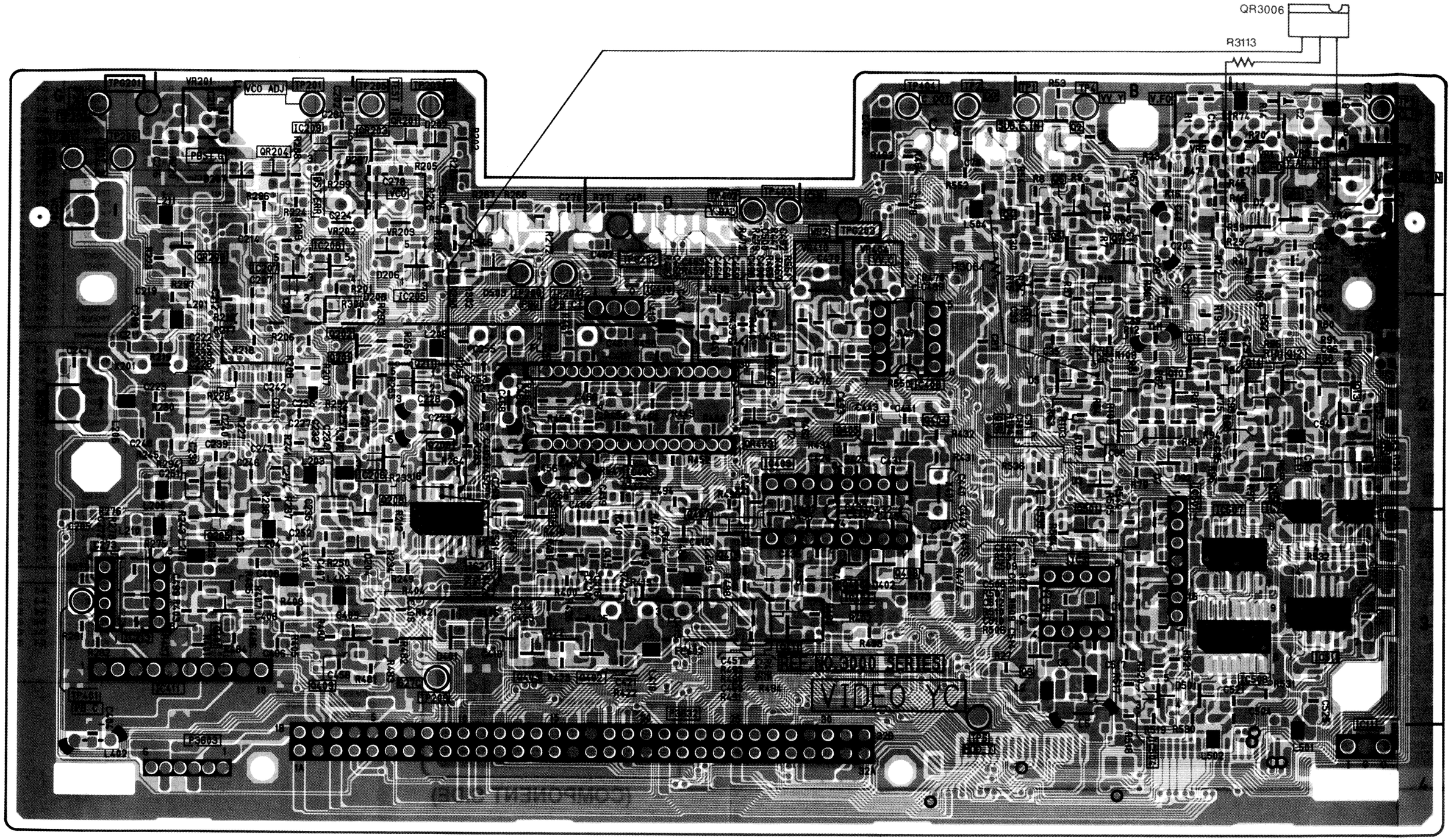
ADDRESS INFORMATION
Ⓒ...COMPONENT SIDE
Ⓕ...FOIL SIDE



IL SIDE)

(COMPONENT SIDE)

VIDEO YC C.B.A. (E6)



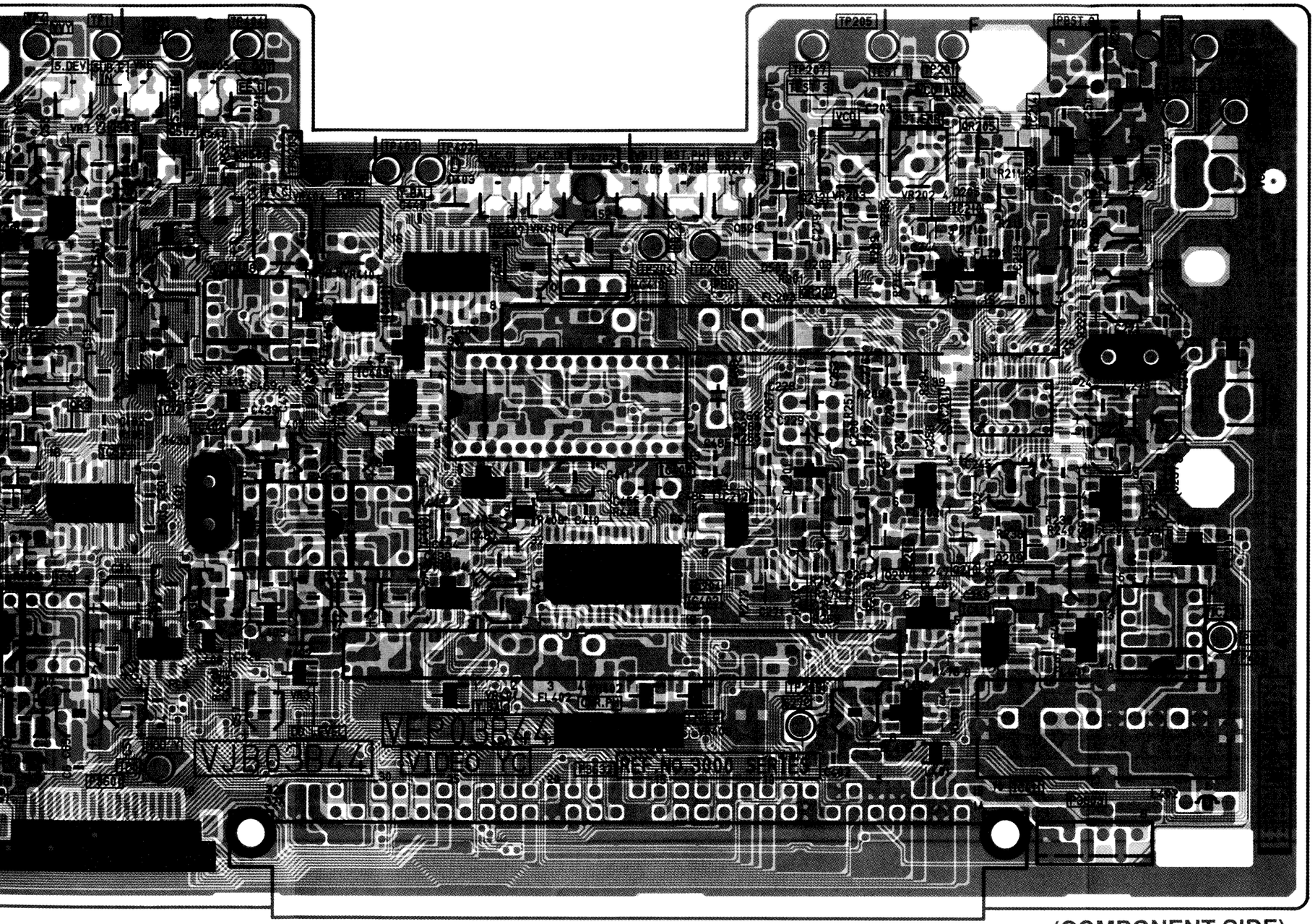
(FOIL SIDE)

QR3006

3113

(FOIL SIDE)

(COMPONE



(COMPONENT SIDE)

VIDEO YC C.B.A.

Transistor

Q3002	B-1	Ⓕ
Q3003	B-3	Ⓕ
Q3005	B-1	Ⓕ
Q3006	B-1	Ⓕ
Q3007	B-1	Ⓕ
Q3008	A-2	Ⓒ
Q3009	B-2	Ⓒ
Q3010	B-2	Ⓕ
Q3011	B-2	Ⓕ
Q3012	A-2	Ⓕ
Q3013	A-2	Ⓕ
Q3014	A-2	Ⓕ
Q3015	A-2	Ⓕ
Q3016	B-2	Ⓕ
Q3201	F-2	Ⓕ
Q3202	F-2	Ⓕ
Q3203	E-2	Ⓕ
Q3204	E-3	Ⓕ
Q3205	F-3	Ⓕ
Q3206	F-3	Ⓒ
Q3207	F-3	Ⓒ
Q3208	E-3	Ⓕ
Q3209	F-3	Ⓒ
Q3210	F-3	Ⓒ
Q3211	E-2	Ⓕ
Q3212	E-1	Ⓒ
Q3401	F-3	Ⓕ
Q3402	D-3	Ⓕ
Q3403	E-3	Ⓕ
Q3404	C-2	Ⓕ
Q3405	C-2	Ⓕ
Q3406	C-3	Ⓕ
Q3407	D-3	Ⓕ
Q3408	C-3	Ⓕ
Q3409	F-3	Ⓕ
Q3410	D-3	Ⓕ
Q3501	B-3	Ⓕ
Q3502	C-1	Ⓒ
Q3503	C-1	Ⓒ
Q3504	E-3	Ⓕ

Transistor & Resistor

QR3001	A-1	Ⓕ
QR3003	B-2	Ⓒ
QR3004	B-2	Ⓒ
QR3005	B-2	Ⓒ
QR3201	E-1	Ⓕ
QR3202	F-1	Ⓒ
QR3203	E-1	Ⓕ
QR3204	F-1	Ⓕ
QR3205	F-1	Ⓒ
QR3206	F-1	Ⓕ
QR3207	E-2	Ⓒ
QR3402	D-2	Ⓕ
QR3403	D-2	Ⓕ
QR3500	C-1	Ⓒ

Integrated Circuit

IC3001	B-2	Ⓒ
IC3002	B-2	Ⓒ
IC3003	B-3	Ⓒ
IC3003	B-3	Ⓕ
IC3004	A-1	Ⓒ
IC3006	A-3	Ⓕ
IC3007	A-3	Ⓕ
IC3008	B-1	Ⓒ
IC3009	A-1	Ⓕ
IC3010	B-1	Ⓒ
IC3011	A-4	Ⓒ
IC3011	A-4	Ⓕ
IC3012	C-2	Ⓒ
IC3201	F-2	Ⓒ
IC3205	E-2	Ⓕ
IC3206	E-2	Ⓕ
IC3207	F-1	Ⓕ
IC3208	F-1	Ⓕ
IC3209	F-1	Ⓒ
IC3210	F-1	Ⓕ
IC3211	E-3	Ⓕ
IC3212	E-2	Ⓒ
IC3213	G-3	Ⓒ
IC3213	G-3	Ⓕ
IC3214	F-1	Ⓒ
IC3215	G-1	Ⓒ
IC3401	F-3	Ⓒ
IC3402	E-3	Ⓒ
IC3403	D-2	Ⓒ
IC3403	D-2	Ⓕ
IC3404	C-2	Ⓒ
IC3404	C-2	Ⓕ
IC3406	E-2	Ⓒ
IC3406	D-2	Ⓕ
IC3407	D-1	Ⓒ
IC3408	C-2	Ⓒ
IC3409	D-2	Ⓒ
IC3410	E-2	Ⓒ
IC3410	D-2	Ⓕ
IC3411	F-3	Ⓒ
IC3411	F-3	Ⓕ
IC3412	D-2	Ⓒ
IC3501	B-2	Ⓒ
IC3502	B-2	Ⓒ
IC3502	B-2	Ⓕ
IC3503	B-3	Ⓒ
IC3504	B-3	Ⓕ
IC3506	B-3	Ⓒ
IC3507	B-3	Ⓒ
IC3508	A-3	Ⓕ
IC3509	A-3	Ⓒ
IC3510	A-3	Ⓒ
IC3511	A-3	Ⓕ
IC3512	E-1	Ⓒ

Test Point

TP3001	B-1	Ⓒ
TP3001	B-1	Ⓕ
TP3002	C-1	Ⓒ
TP3002	C-1	Ⓕ
TP3003	A-1	Ⓒ
TP3003	A-1	Ⓕ
TP3004	B-1	Ⓒ
TP3004	B-1	Ⓕ
TP3005	C-3	Ⓒ
TP3005	C-3	Ⓕ
TP3201	F-1	Ⓒ
TP3201	F-1	Ⓕ
TP3202	G-1	Ⓒ
TP3202	G-1	Ⓕ
TP3203	G-1	Ⓒ
TP3203	G-1	Ⓕ
TP3204	E-1	Ⓒ
TP3204	E-1	Ⓕ
TP3205	E-1	Ⓒ
TP3205	E-1	Ⓕ
TP3206	G-1	Ⓒ
TP3206	G-1	Ⓕ
TP3207	E-1	Ⓒ
TP3207	E-1	Ⓕ
TP3208	E-1	Ⓒ
TP3208	E-1	Ⓕ
TP3209	E-3	Ⓒ
TP3209	E-3	Ⓕ
TP3401	G-3	Ⓒ
TP3401	G-3	Ⓕ
TP3402	D-1	Ⓒ
TP3402	D-1	Ⓕ
TP3403	D-1	Ⓒ
TP3403	D-1	Ⓕ
TP3404	C-1	Ⓒ
TP3404	C-1	Ⓕ
TPG3201	G-1	Ⓒ
TPG3201	G-1	Ⓕ
TPG3202	D-1	Ⓒ
TPG3202	D-1	Ⓕ
TPG3203	C-1	Ⓒ
TPG3203	C-1	Ⓕ

Adjustment

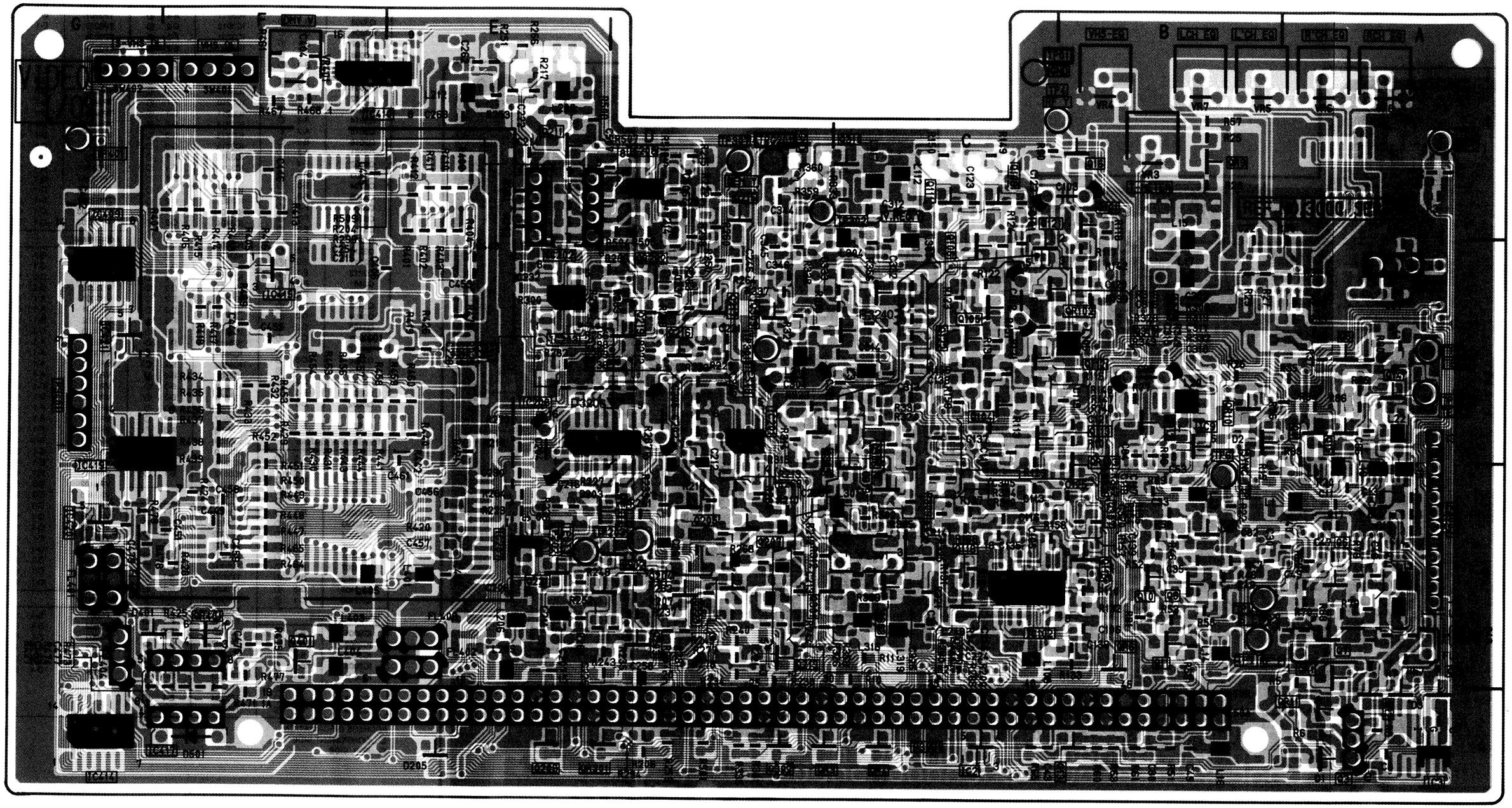
VC3201	G-1	Ⓒ
VC3201	G-1	Ⓒ
VC3202	G-2	Ⓒ
VC3202	G-2	Ⓕ
VR3001	A-1	Ⓒ
VR3001	A-1	Ⓕ
VR3002	B-1	Ⓒ
VR3003	C-3	Ⓒ
VR3004	A-1	Ⓒ
VR3004	A-1	Ⓕ
VR3005	A-1	Ⓒ
VR3005	A-1	Ⓕ
VR3006	C-1	Ⓒ
VR3007	B-1	Ⓒ
VR3201	F-1	Ⓒ
VR3201	F-1	Ⓕ
VR3202	F-1	Ⓒ
VR3203	E-1	Ⓒ
VR3203	E-1	Ⓕ
VR3206	E-1	Ⓒ
VR3207	E-1	Ⓒ
VR3402	E-3	Ⓒ
VR3403	E-3	Ⓒ
VR3404	C-1	Ⓒ
VR3404	C-1	Ⓕ
VR3405	C-1	Ⓒ
VR3406	E-1	Ⓒ
VR3407	D-1	Ⓒ
VR3408	D-1	Ⓒ
VR3410	C-1	Ⓒ
VR3410	C-1	Ⓕ

Connector

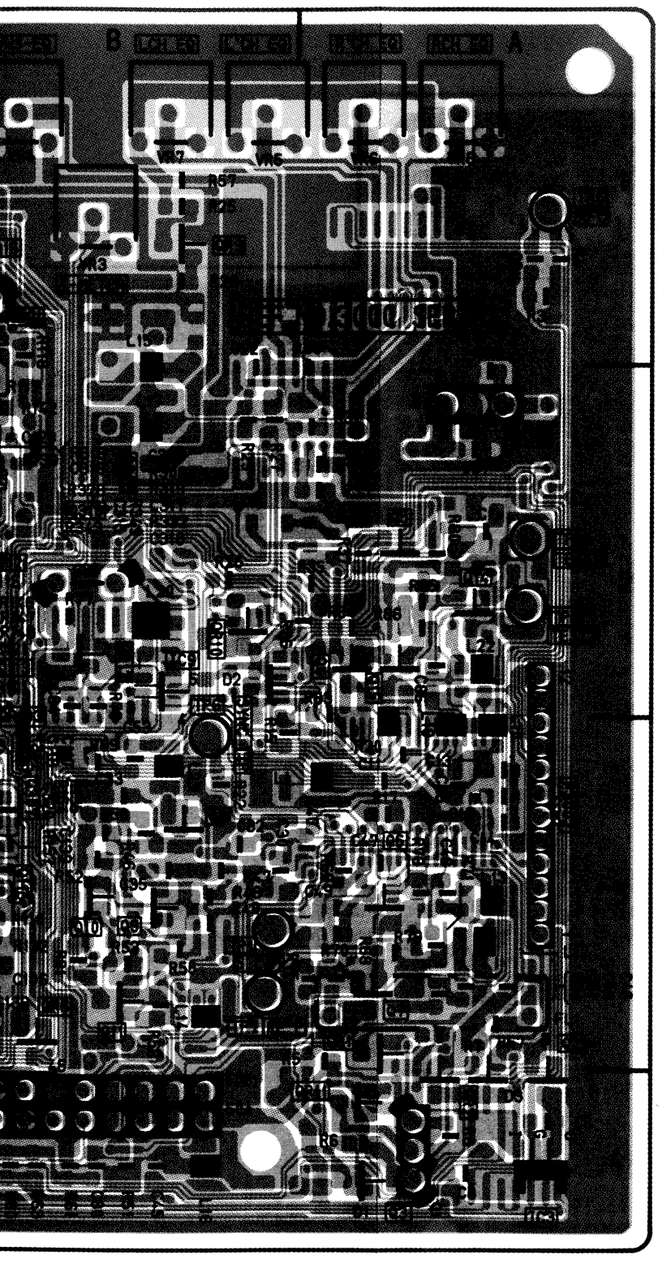
P3601	B-4	Ⓒ
P3602	B-4	Ⓒ
P3603	F-4	Ⓒ
P3603	F-4	Ⓕ
P3632	D-4	Ⓒ
P3632	D-4	Ⓕ

ADDRESS INFORMATION
Ⓒ...COMPONENT SIDE
Ⓕ...FOIL SIDE

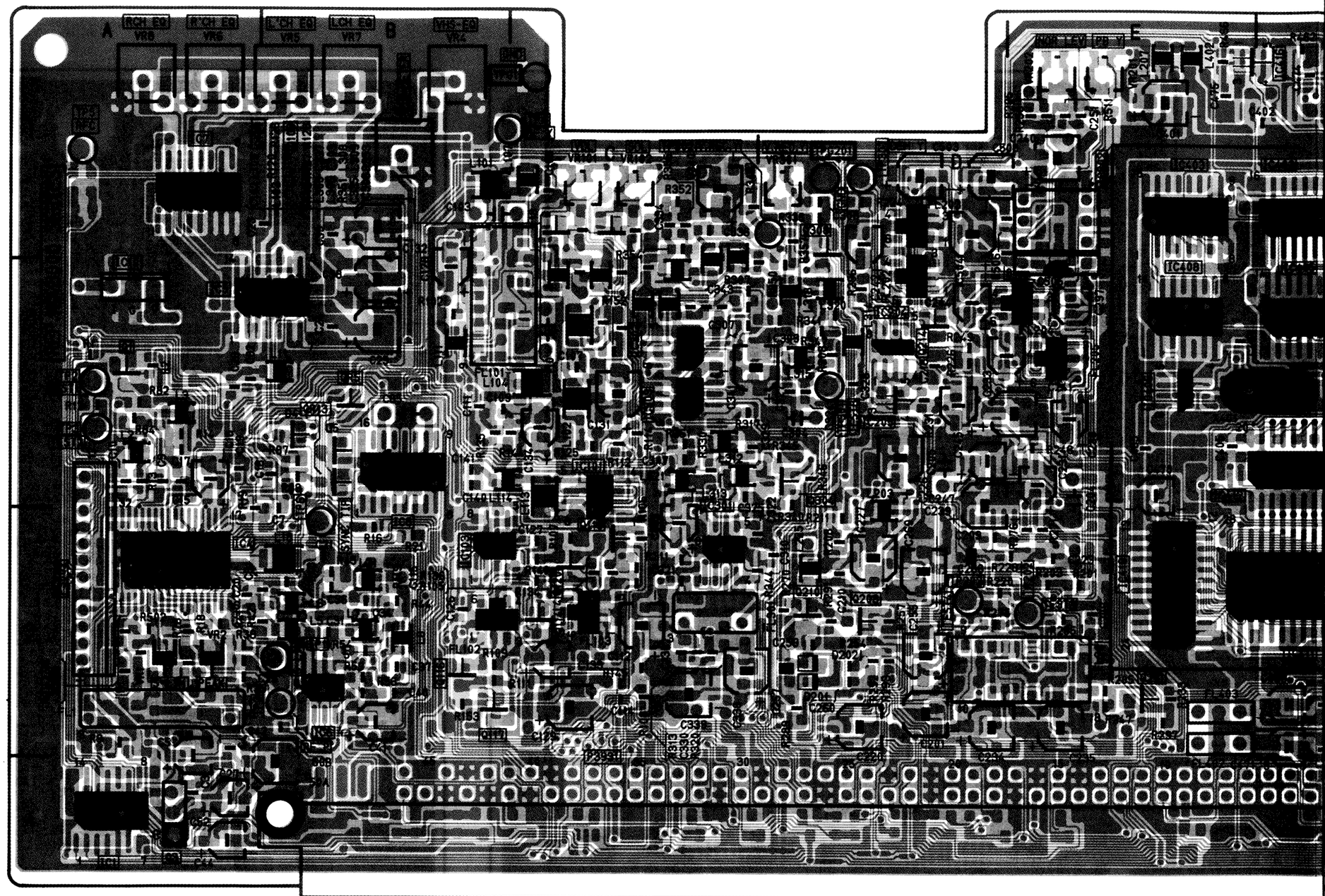
VIDEO I/O C.B.A. (E5)

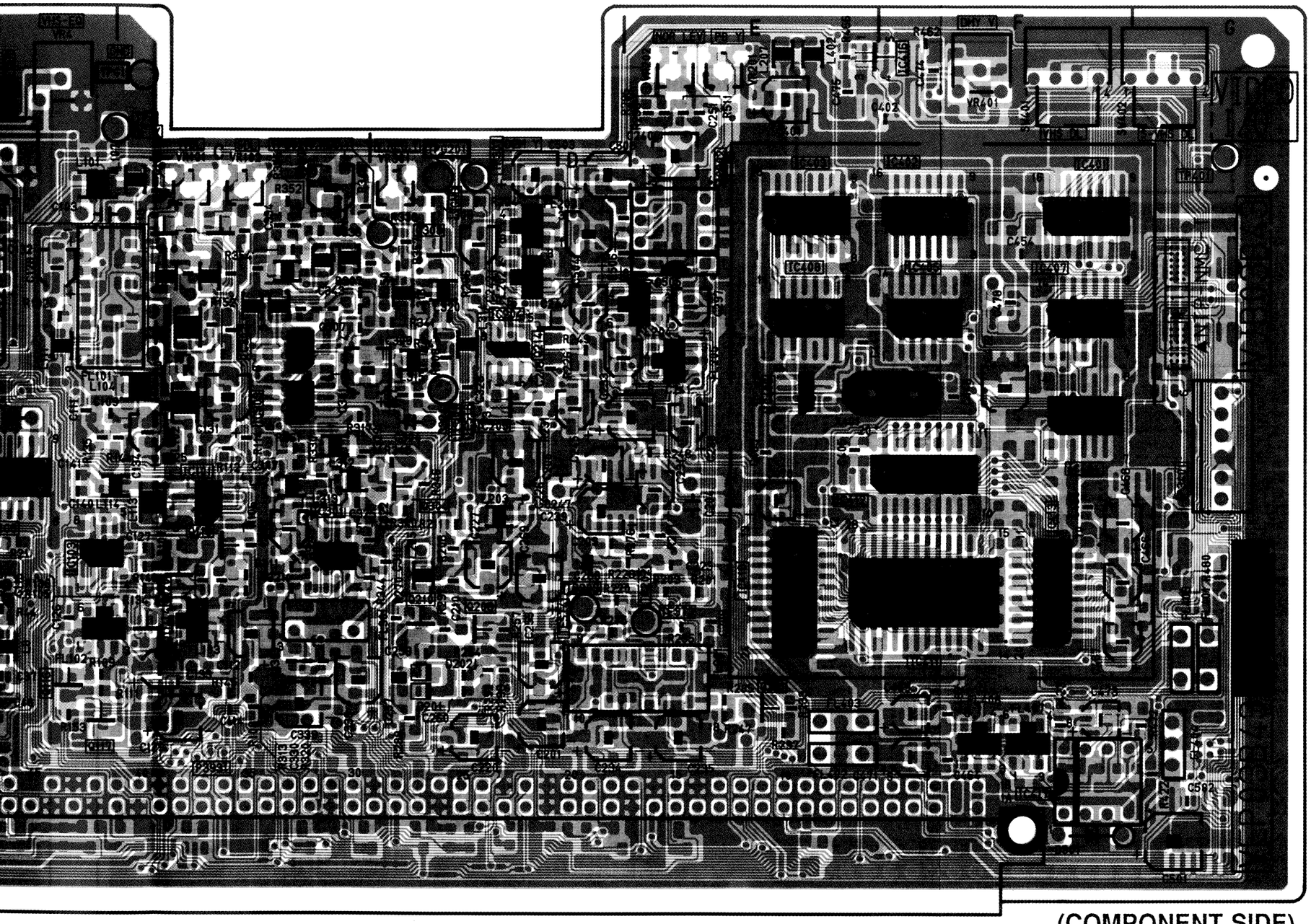


(FOIL SIDE)



(FOIL SIDE)





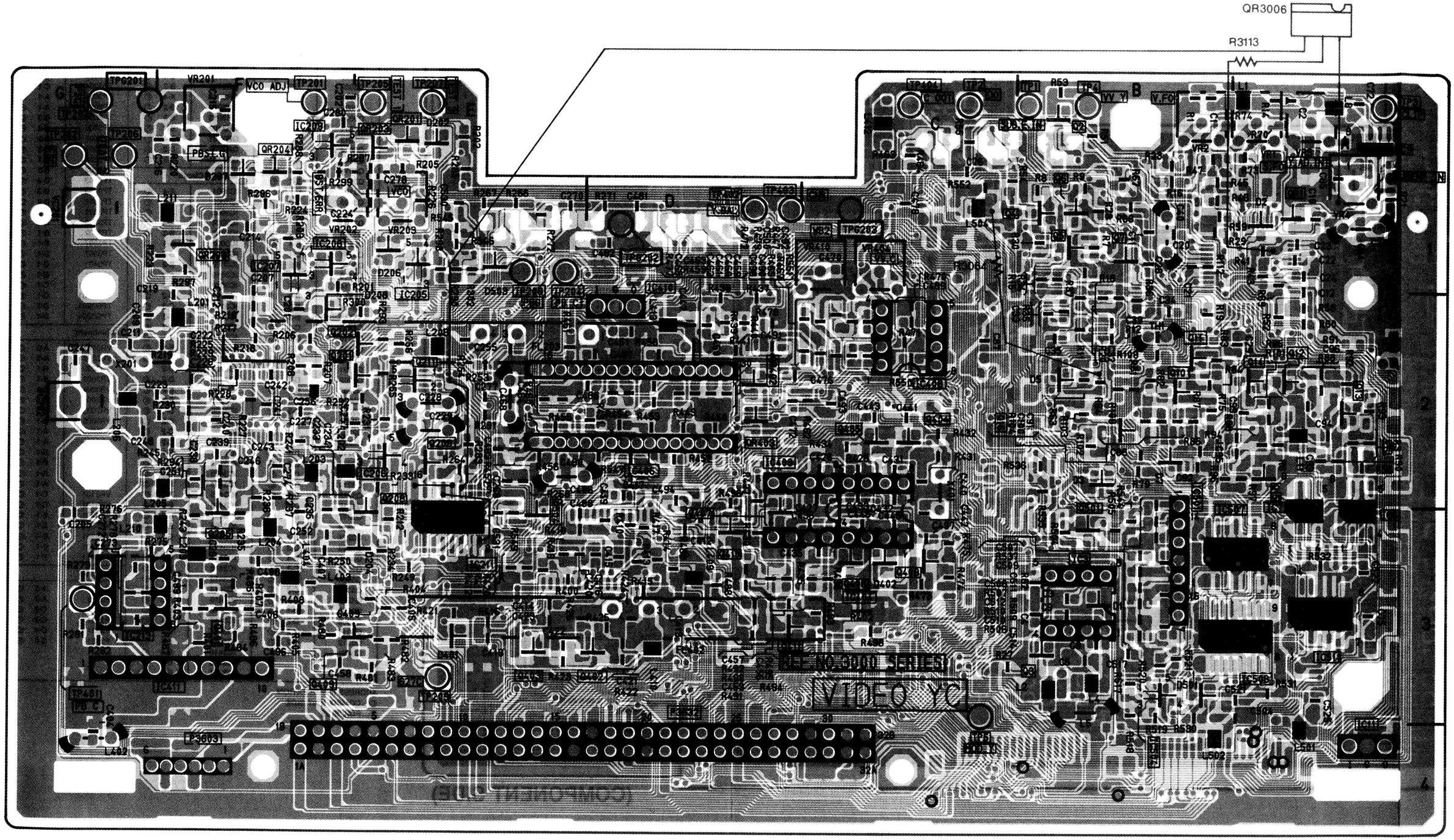
(COMPONENT SIDE)

VIDEO I/O C.B.A.

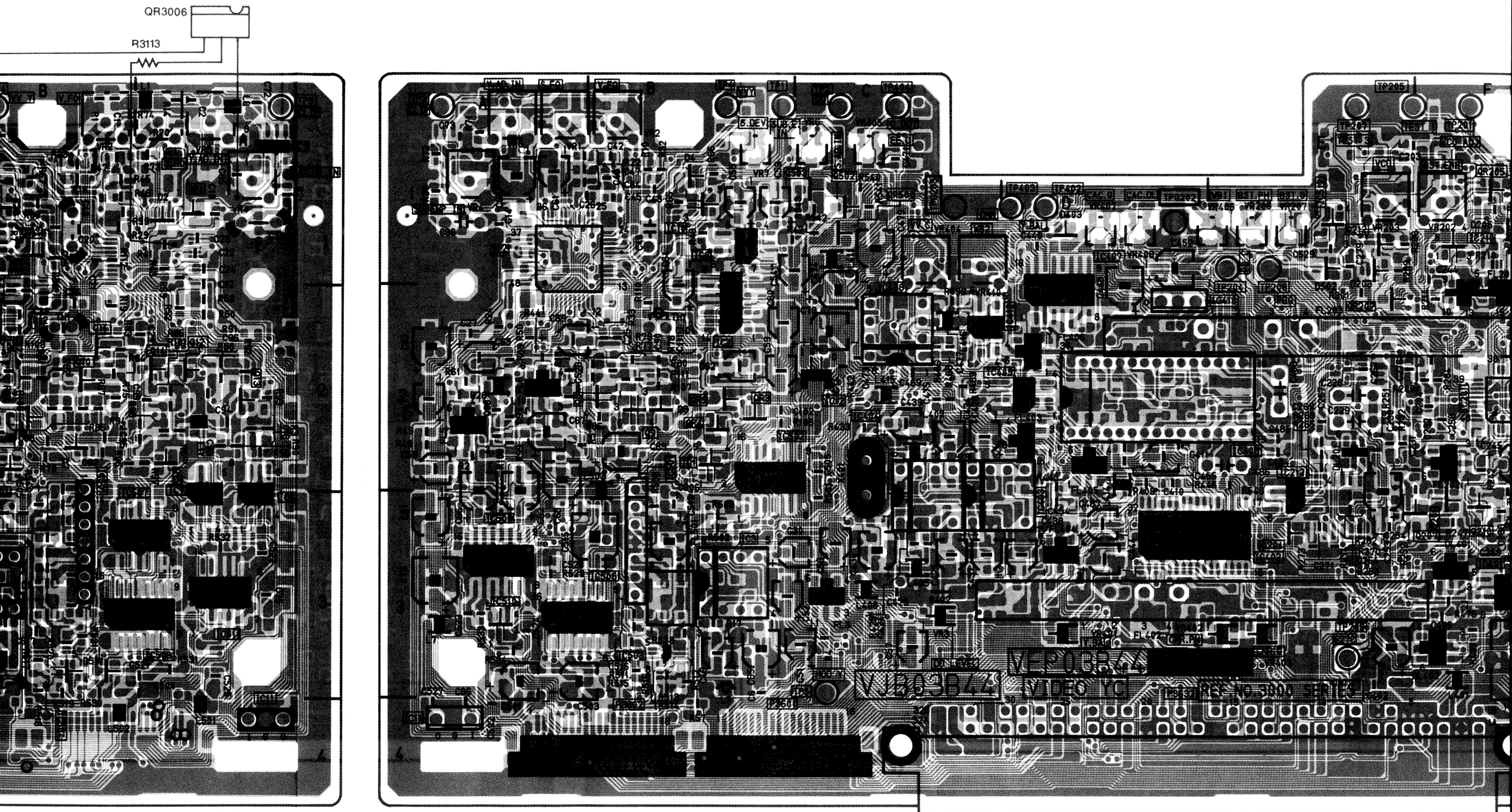
Transistor			Transistor & Resistor			Test Point		
Q3001	A-2	©	QR3001	A-3	Ⓕ	TP3001	B-3	©
Q3002	A-3	Ⓕ	QR3002	A-4	Ⓕ	TP3001	B-3	Ⓕ
Q3003	A-4	©	QR3003	D-4	Ⓕ	TP3002	A-2	©
Q3003	A-4	Ⓕ	QR3004	C-4	Ⓕ	TP3002	A-2	Ⓕ
Q3004	A-2	Ⓕ	QR3005	B-2	©	TP3003	A-2	©
Q3005	A-2	Ⓕ	QR3006	B-3	Ⓕ	TP3003	A-2	Ⓕ
Q3006	A-3	Ⓕ	QR3009	B-1	Ⓕ	TP3004	C-1	©
Q3007	A-3	Ⓕ	QR3010	B-2	Ⓕ	TP3004	C-1	Ⓕ
Q3008	B-3	Ⓕ	QR3011	A-4	Ⓕ	TP3005	A-1	©
Q3009	B-3	Ⓕ	QR3012	B-2	Ⓕ	TP3005	A-1	Ⓕ
Q3010	B-3	Ⓕ	QR3013	B-2	©	TP3006	B-3	©
Q3011	B-3	Ⓕ	QR3102	B-2	Ⓕ	TP3006	B-3	Ⓕ
Q3013	B-4	Ⓕ	QR3201	E-4	Ⓕ	TP3007	B-3	©
Q3014	A-2	Ⓕ	QR3202	D-2	Ⓕ	TP3007	B-3	Ⓕ
Q3015	A-2	Ⓕ	QR3401	F-3	Ⓕ	TP3202	E-3	©
Q3016	B-1	Ⓕ	**Integrated Circuit**			TP3202	E-3	Ⓕ
Q3101	B-1	Ⓕ				TP3203	D-3	©
Q3104	C-2	Ⓕ	IC3001	A-4	©	TP3203	D-3	Ⓕ
Q3105	C-2	Ⓕ	IC3002	C-4	Ⓕ	TP3301	D-2	©
Q3106	C-2	Ⓕ	IC3003	A-4	Ⓕ	TP3301	D-2	Ⓕ
Q3107	B-1	©	IC3004	A-3	©	TP3302	D-1	©
Q3108	C-1	Ⓕ	IC3006	B-3	©	TP3302	D-1	Ⓕ
Q3109	B-1	©	IC3007	A-1	©	TP3307	D-1	©
Q3111	C-1	Ⓕ	IC3008	B-3	©	TP3307	D-1	Ⓕ
Q3112	B-2	Ⓕ	IC3009	B-2	Ⓕ	TP3401	G-1	©
Q3113	B-2	Ⓕ	IC3010	A-2	©	TP3401	G-1	Ⓕ
Q3114	C-3	©	IC3010	A-2	Ⓕ	TPG3001	C-1	©
Q3115	B-3	Ⓕ	IC3101	C-2	©	TPG3001	C-1	Ⓕ
Q3116	B-3	©	IC3102	C-3	Ⓕ	TPG3201	D-1	©
Q3117	B-3	©	IC3103	B-3	©	TPG3201	D-1	Ⓕ
Q3118	C-3	Ⓕ	IC3201	D-2	Ⓕ	**Adjustment**		
Q3119	C-3	©	IC3202	E-1	©			
Q3120	C-3	©	IC3202	E-1	Ⓕ	VR3001	A-3	©
Q3122	C-2	Ⓕ	IC3203	E-2	Ⓕ	VR3002	A-3	©
Q3201	E-3	©	IC3204	D-2	©	VR3003	B-1	©
Q3202	D-3	Ⓕ	IC3205	D-2	©	VR3003	B-1	Ⓕ
Q3203	D-3	Ⓕ	IC3206	E-2	Ⓕ	VR3004	B-1	©
Q3204	D-4	Ⓕ	IC3207	E-3	Ⓕ	VR3004	B-1	Ⓕ
Q3205	D-3	Ⓕ	IC3208	D-1	Ⓕ	VR3005	B-1	©
Q3206	E-4	Ⓕ	IC3301	C-2	©	VR3005	B-1	Ⓕ
Q3207	D-3	Ⓕ	IC3302	C-2	©	VR3006	A-1	©
Q3208	D-3	©	IC3303	C-2	©	VR3006	A-1	Ⓕ
Q3210	D-3	©	IC3401	F-1	©	VR3007	B-1	©
Q3211	E-1	Ⓕ	IC3402	F-1	©	VR3007	B-1	Ⓕ
Q3213	D-3	Ⓕ	IC3403	E-1	©	VR3008	A-1	©
Q3214	D-2	©	IC3404	F-2	©	VR3008	A-1	Ⓕ
Q3215	D-1	Ⓕ	IC3405	F-2	©	VR3101	C-1	©
Q3216	D-2	Ⓕ	IC3406	E-2	©	VR3102	C-1	©
Q3217	D-2	Ⓕ	IC3407	F-2	©	VR3201	E-1	©
Q3219	D-2	Ⓕ	IC3408	E-2	©	VR3202	E-1	©
Q3221	E-3	Ⓕ	IC3409	G-1	Ⓕ	VR3301	D-1	©
Q3223	D-3	Ⓕ	IC3410	F-1	Ⓕ	VR3401	F-1	©
Q3302	D-4	Ⓕ	IC3411	F-3	©	VR3401	F-1	Ⓕ
Q3303	C-3	Ⓕ	IC3412	E-2	©	**Connector**		
Q3304	D-2	©	IC3413	F-2	©			
Q3306	C-2	Ⓕ	IC3414	G-4	Ⓕ	P3002	A-3	©
Q3307	B-3	Ⓕ	IC3415	F-2	Ⓕ	P3002	A-3	Ⓕ
Q3308	D-1	©	IC3416	F-1	©	P3401	G-2	©
Q3309	D-2	Ⓕ	IC3417	F-4	©	P3401	G-2	Ⓕ
Q3310	B-2	Ⓕ	IC3417	F-4	Ⓕ	P3931	C-4	©
Q3312	B-2	Ⓕ	IC3418	E-3	©	P3931	C-4	Ⓕ
Q3401	F-1	Ⓕ	IC3419	G-3	Ⓕ			
			IC3420	G-3	Ⓕ			
			IC3421	G-2	Ⓕ			

ADDRESS INFORMATION
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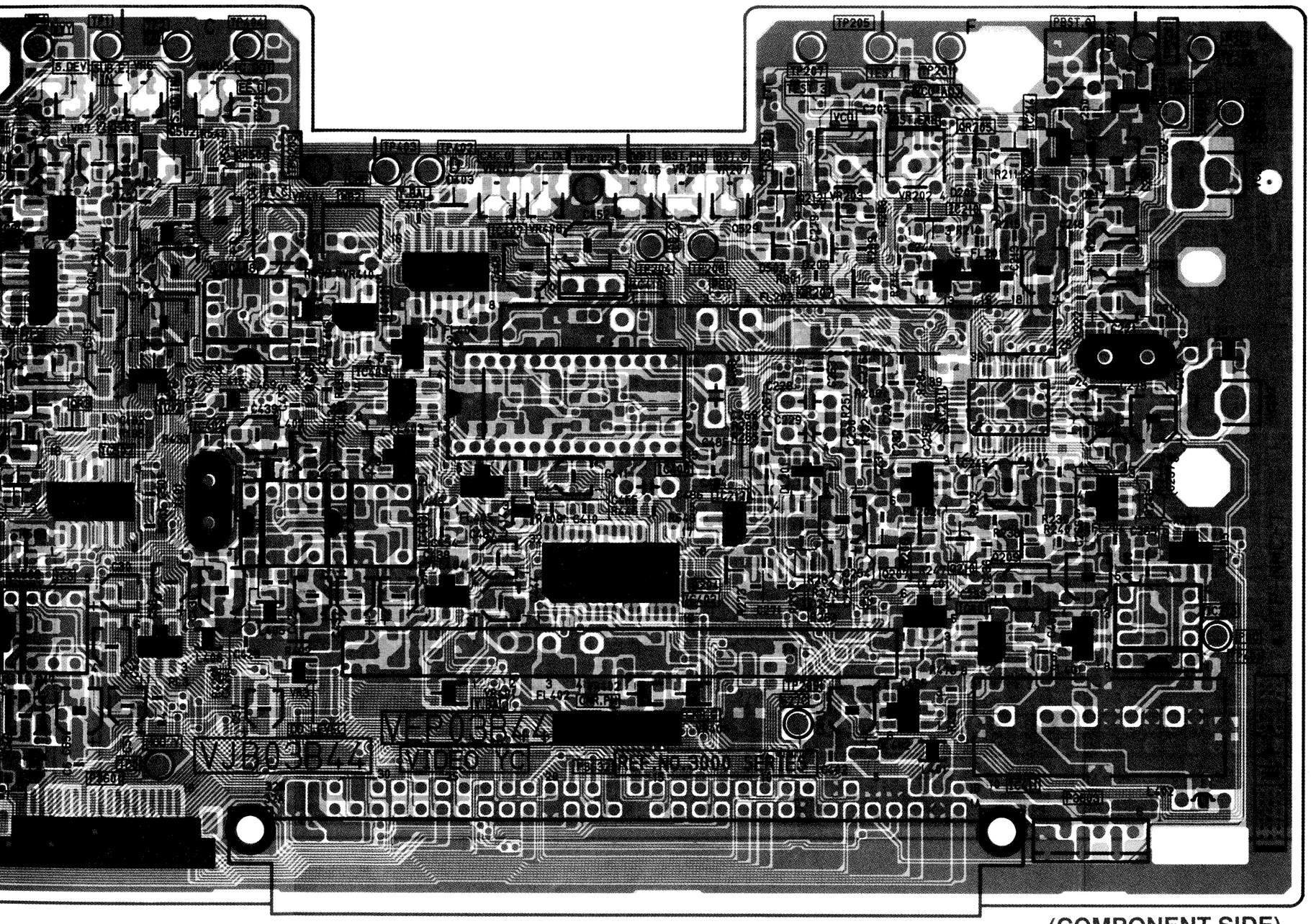
VIDEO YC C.B.A. (E6)



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(COMPONENT SIDE)

VIDEO YC C.B.A.

Transistor		
Q3002	B-1	Ⓕ
Q3003	B-3	Ⓕ
Q3005	B-1	Ⓕ
Q3006	B-1	Ⓕ
Q3007	B-1	Ⓕ
Q3008	A-2	Ⓒ
Q3009	B-2	Ⓒ
Q3010	B-2	Ⓕ
Q3011	B-2	Ⓕ
Q3012	A-2	Ⓕ
Q3013	A-2	Ⓕ
Q3014	A-2	Ⓕ
Q3015	A-2	Ⓕ
Q3016	B-2	Ⓕ
Q3201	F-2	Ⓕ
Q3202	F-2	Ⓕ
Q3203	E-2	Ⓕ
Q3204	E-3	Ⓕ
Q3205	F-3	Ⓕ
Q3206	F-3	Ⓒ
Q3207	F-3	Ⓒ
Q3208	E-3	Ⓕ
Q3209	F-3	Ⓒ
Q3210	F-3	Ⓒ
Q3211	E-2	Ⓕ
Q3212	E-1	Ⓒ
Q3401	F-3	Ⓕ
Q3402	D-3	Ⓕ
Q3403	E-3	Ⓕ
Q3404	C-2	Ⓕ
Q3405	C-2	Ⓕ
Q3406	C-3	Ⓕ
Q3407	D-3	Ⓕ
Q3408	C-3	Ⓕ
Q3409	F-3	Ⓕ
Q3410	D-3	Ⓕ
Q3501	B-3	Ⓕ
Q3502	C-1	Ⓒ
Q3503	C-1	Ⓒ
Q3504	E-3	Ⓕ

Transistor & Resistor		
QR3001	A-1	Ⓕ
QR3003	B-2	Ⓒ
QR3004	B-2	Ⓒ
QR3005	B-2	Ⓒ
QR3201	E-1	Ⓕ
QR3202	F-1	Ⓒ
QR3203	E-1	Ⓕ
QR3204	F-1	Ⓕ
QR3205	F-1	Ⓒ
QR3206	F-1	Ⓕ
QR3207	E-2	Ⓒ
QR3402	D-2	Ⓕ
QR3403	D-2	Ⓕ
QR3500	C-1	Ⓒ

Integrated Circuit		
IC3001	B-2	Ⓒ
IC3002	B-2	Ⓒ
IC3003	B-3	Ⓒ
IC3003	B-3	Ⓕ
IC3004	A-1	Ⓒ
IC3006	A-3	Ⓕ
IC3007	A-3	Ⓕ
IC3008	B-1	Ⓒ
IC3009	A-1	Ⓕ
IC3010	B-1	Ⓒ
IC3011	A-4	Ⓒ
IC3011	A-4	Ⓕ
IC3012	C-2	Ⓒ
IC3201	F-2	Ⓒ
IC3205	E-2	Ⓕ
IC3206	E-2	Ⓕ
IC3207	F-1	Ⓕ
IC3208	F-1	Ⓕ
IC3209	F-1	Ⓒ
IC3210	F-1	Ⓕ
IC3211	E-3	Ⓕ
IC3212	E-2	Ⓒ
IC3213	G-3	Ⓒ
IC3213	G-3	Ⓕ
IC3214	F-1	Ⓒ
IC3215	G-1	Ⓒ
IC3401	F-3	Ⓒ
IC3402	E-3	Ⓒ
IC3403	D-2	Ⓒ
IC3403	D-2	Ⓕ
IC3404	C-2	Ⓒ
IC3404	C-2	Ⓕ
IC3406	E-2	Ⓒ
IC3406	D-2	Ⓕ
IC3407	D-1	Ⓒ
IC3408	C-2	Ⓒ
IC3409	D-2	Ⓒ
IC3410	E-2	Ⓒ
IC3410	D-2	Ⓕ
IC3411	F-3	Ⓒ
IC3411	F-3	Ⓕ
IC3412	D-2	Ⓒ
IC3501	B-2	Ⓒ
IC3502	B-2	Ⓒ
IC3502	B-2	Ⓕ
IC3503	B-3	Ⓒ
IC3504	B-3	Ⓕ
IC3506	B-3	Ⓒ
IC3507	B-3	Ⓒ
IC3508	A-3	Ⓕ
IC3509	A-3	Ⓒ
IC3510	A-3	Ⓒ
IC3511	A-3	Ⓕ
IC3512	E-1	Ⓒ

Test Point		
TP3001	B-1	Ⓒ
TP3001	B-1	Ⓕ
TP3002	C-1	Ⓒ
TP3002	C-1	Ⓕ
TP3003	A-1	Ⓒ
TP3003	A-1	Ⓕ
TP3004	B-1	Ⓒ
TP3004	B-1	Ⓕ
TP3005	C-3	Ⓒ
TP3005	C-3	Ⓕ
TP3201	F-1	Ⓒ
TP3201	F-1	Ⓕ
TP3202	G-1	Ⓒ
TP3202	G-1	Ⓕ
TP3203	G-1	Ⓒ
TP3203	G-1	Ⓕ
TP3204	E-1	Ⓒ
TP3204	E-1	Ⓕ
TP3205	E-1	Ⓒ
TP3205	E-1	Ⓕ
TP3206	G-1	Ⓒ
TP3206	G-1	Ⓕ
TP3207	E-1	Ⓒ
TP3207	E-1	Ⓕ
TP3208	E-1	Ⓒ
TP3208	E-1	Ⓕ
TP3209	E-3	Ⓒ
TP3209	E-3	Ⓕ
TP3401	G-3	Ⓒ
TP3401	G-3	Ⓕ
TP3402	D-1	Ⓒ
TP3402	D-1	Ⓕ
TP3403	D-1	Ⓒ
TP3403	D-1	Ⓕ
TP3404	C-1	Ⓒ
TP3404	C-1	Ⓕ
TPG3201	G-1	Ⓒ
TPG3201	G-1	Ⓕ
TPG3202	D-1	Ⓒ
TPG3202	D-1	Ⓕ
TPG3203	C-1	Ⓒ
TPG3203	C-1	Ⓕ

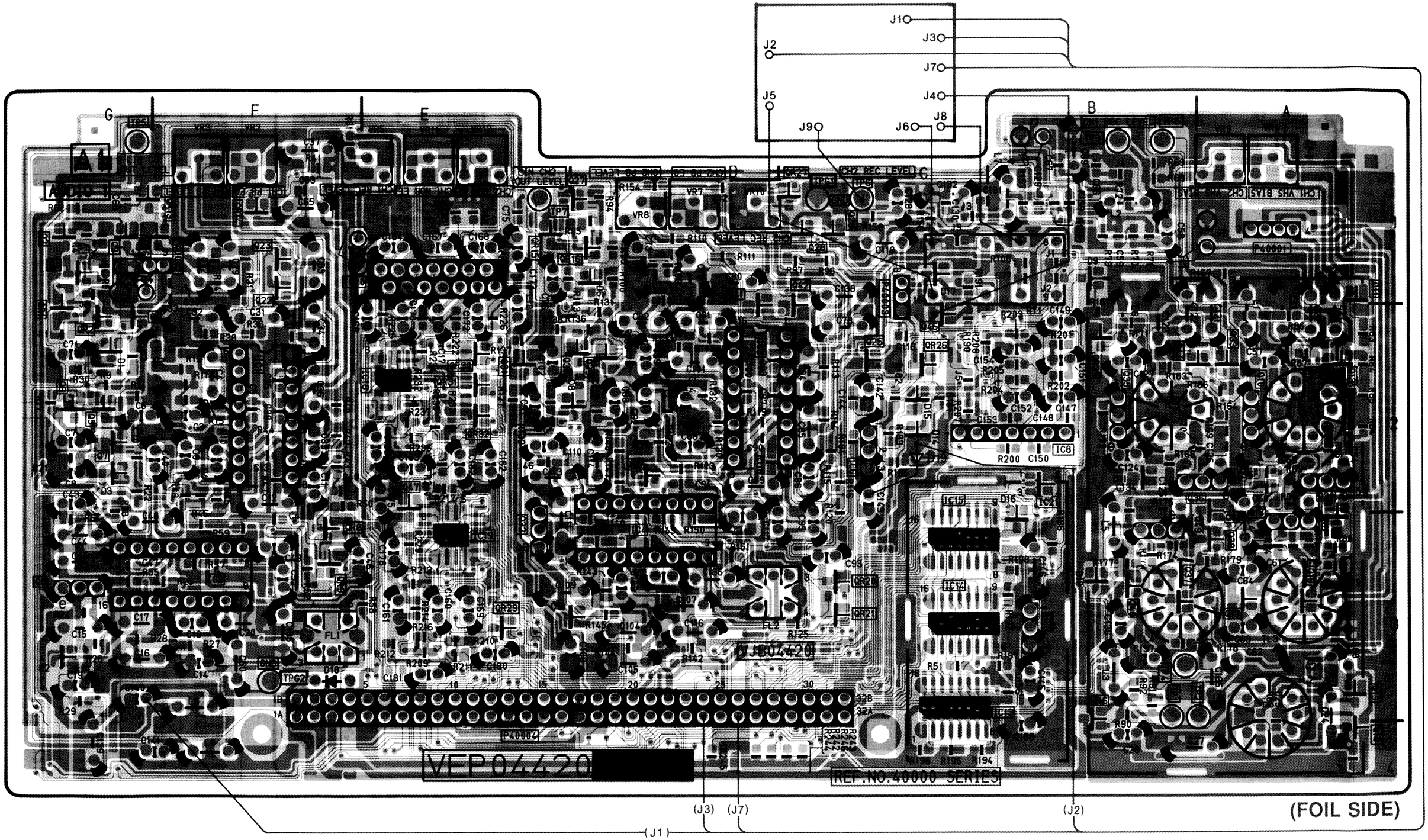
Adjustment		
VC3201	G-1	Ⓒ
VC3201	G-1	Ⓒ
VC3202	G-2	Ⓒ
VC3202	G-2	Ⓕ
VR3001	A-1	Ⓒ
VR3001	A-1	Ⓕ
VR3002	B-1	Ⓒ
VR3003	C-3	Ⓒ
VR3004	A-1	Ⓒ
VR3004	A-1	Ⓕ
VR3005	A-1	Ⓒ
VR3005	A-1	Ⓕ
VR3006	C-1	Ⓒ
VR3007	B-1	Ⓒ
VR3201	F-1	Ⓒ
VR3201	F-1	Ⓕ
VR3202	F-1	Ⓒ
VR3203	E-1	Ⓒ
VR3203	E-1	Ⓕ
VR3206	E-1	Ⓒ
VR3207	E-1	Ⓒ
VR3402	E-3	Ⓒ
VR3403	E-3	Ⓒ
VR3404	C-1	Ⓒ
VR3404	C-1	Ⓕ
VR3405	C-1	Ⓒ
VR3406	E-1	Ⓒ
VR3407	D-1	Ⓒ
VR3408	D-1	Ⓒ
VR3410	C-1	Ⓒ
VR3410	C-1	Ⓕ

Connector		
P3601	B-4	Ⓒ
P3602	B-4	Ⓒ
P3603	F-4	Ⓒ
P3603	F-4	Ⓕ
P3632	D-4	Ⓒ
P3632	D-4	Ⓕ

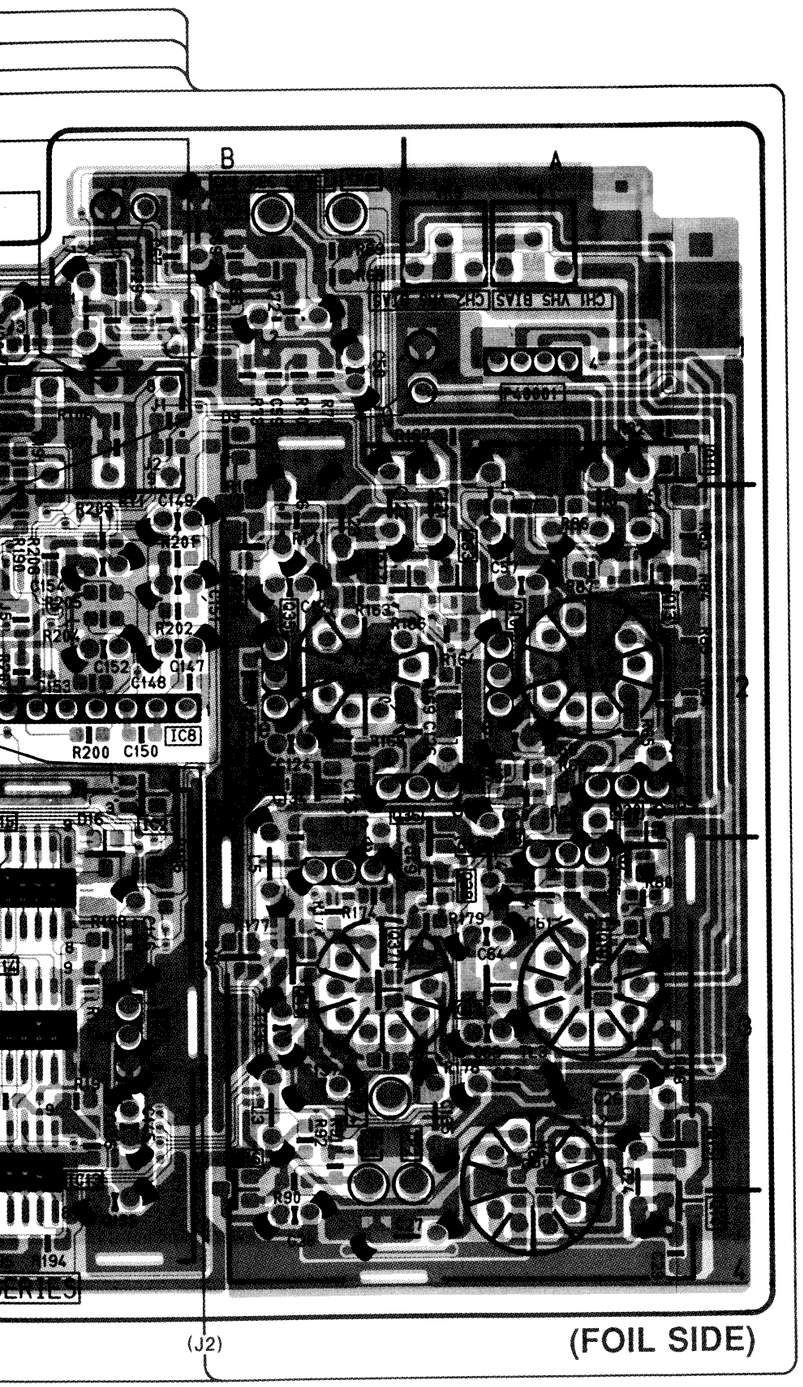
ADDRESS INFORMATION
Ⓒ...COMPONENT SIDE
Ⓕ...FOIL SIDE

AUDIO (1) C.B.A. (E7)

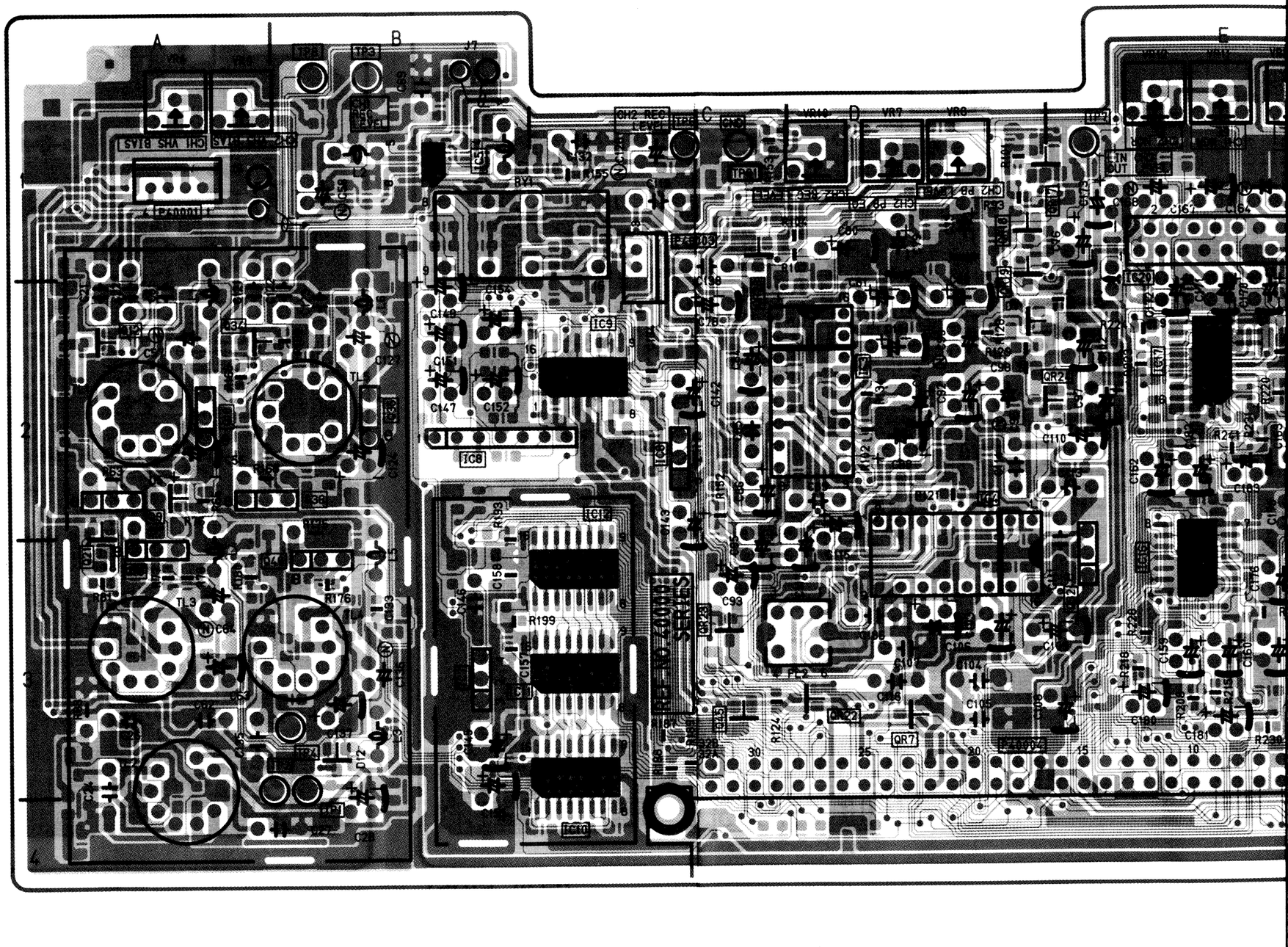
TIME CODE SUB C.B.A. (E103: AG-7700 ONLY)

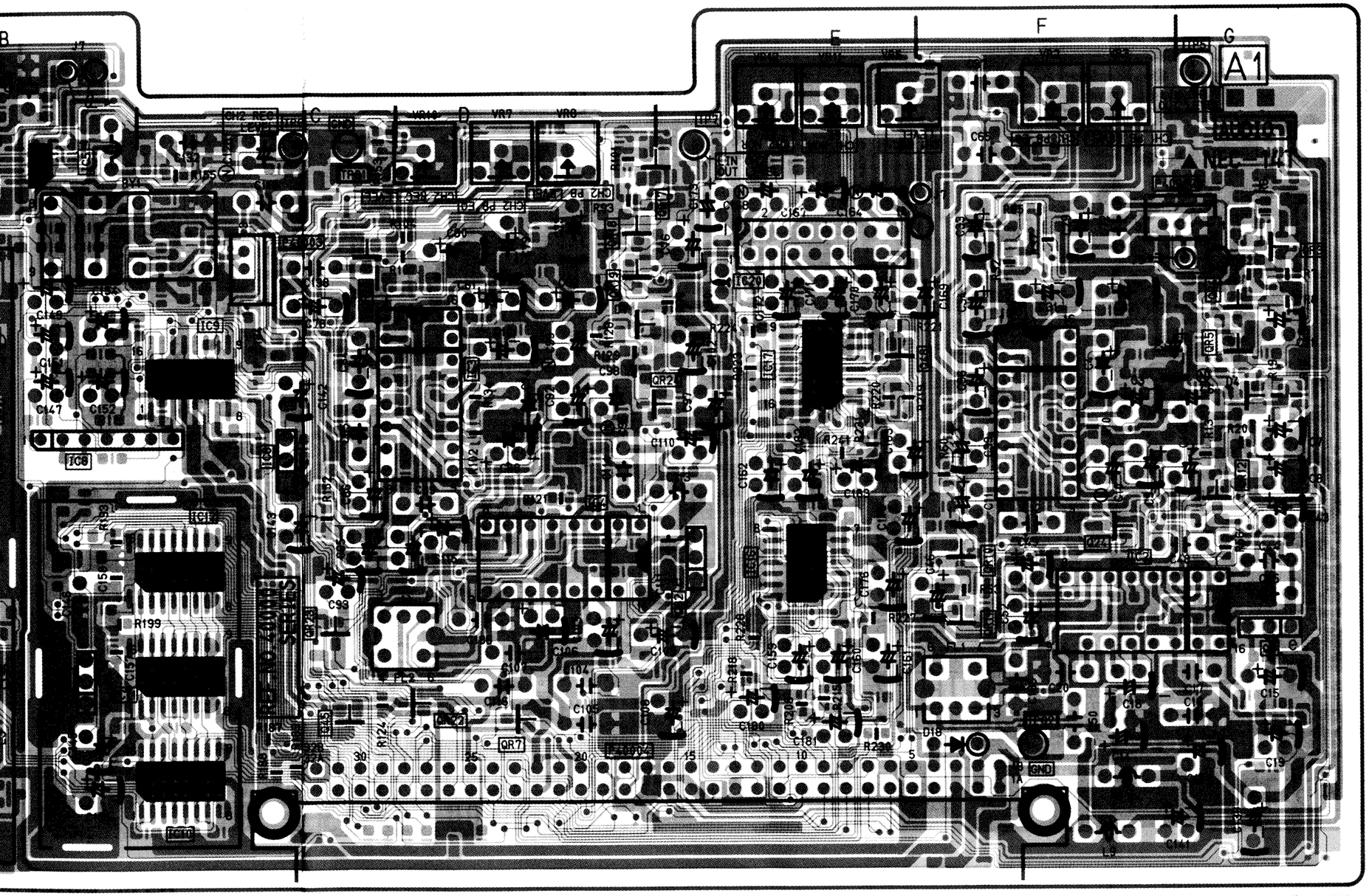


A. (E103: AG-7700 ONLY)



(FOIL SIDE)





(COMPONENT SIDE)

AUDIO (1) C.B.A.

Transistor		
Q40001	G-2	Ⓕ
Q40002	G-1	Ⓕ
Q40003	G-1	Ⓕ
Q40004	G-1	Ⓕ
Q40005	G-2	Ⓕ
Q40006	G-2	Ⓕ
Q40007	G-2	Ⓕ
Q40008	G-3	Ⓒ
Q40008	G-3	Ⓕ
Q40009	A-2	Ⓒ
Q40009	A-2	Ⓕ
Q40010	A-2	Ⓒ
Q40010	A-2	Ⓕ
Q40011	A-1	Ⓕ
Q40012	A-2	Ⓒ
Q40013	A-2	Ⓕ
Q40014	A-4	Ⓕ
Q40015	A-3	Ⓕ
Q40016	B-3	Ⓕ
Q40017	A-3	Ⓕ
Q40018	A-3	Ⓒ
Q40018	A-3	Ⓕ
Q40019	A-3	Ⓕ
Q40020	A-2	Ⓕ
Q40021	A-3	Ⓒ
Q40022	F-1	Ⓕ
Q40023	F-1	Ⓕ
Q40024	F-3	Ⓒ
Q40025	C-2	Ⓕ
Q40026	C-1	Ⓕ
Q40027	D-1	Ⓕ
Q40028	C-1	Ⓕ
Q40029	D-2	Ⓕ
Q40030	D-2	Ⓕ
Q40031	E-2	Ⓕ
Q40032	E-3	Ⓒ
Q40032	E-3	Ⓕ
Q40033	A-2	Ⓕ
Q40034	A-2	Ⓒ
Q40035	B-2	Ⓒ
Q40035	B-2	Ⓕ
Q40036	B-2	Ⓒ
Q40036	A-2	Ⓕ
Q40037	B-3	Ⓕ
Q40038	A-3	Ⓕ
Q40039	A-3	Ⓕ
Q40040	B-3	Ⓕ
Q40041	D-2	Ⓕ
Q40042	C-2	Ⓕ
Q40043	D-2	Ⓕ
Q40044	B-2	Ⓕ
Q40045	C-3	Ⓒ
Q40046	C-2	Ⓕ
Q40047	E-2	Ⓕ
Q40048	E-2	Ⓒ
Q40049	B-3	Ⓒ
Q40049	B-3	Ⓕ

Transistor & Resistor		
QR40001	G-2	Ⓕ
QR40002	G-2	Ⓕ
QR40003	G-1	Ⓒ
QR40004	G-2	Ⓒ
QR40005	G-2	Ⓒ
QR40006	G-1	Ⓕ
QR40007	D-3	Ⓒ
QR40008	F-3	Ⓕ
QR40009	F-3	Ⓕ
QR40010	F-3	Ⓒ
QR40011	F-3	Ⓒ
QR40012	G-2	Ⓒ
QR40013	G-1	Ⓕ
QR40014	F-1	Ⓕ
QR40015	E-1	Ⓕ
QR40016	D-1	Ⓕ
QR40017	E-1	Ⓒ
QR40018	D-1	Ⓒ
QR40019	D-2	Ⓒ
QR40020	C-3	Ⓕ
QR40021	C-3	Ⓕ
QR40022	D-3	Ⓒ
QR40023	C-3	Ⓒ
QR40024	E-2	Ⓒ
QR40025	B-2	Ⓕ
QR40026	C-2	Ⓕ
QR40027	C-1	Ⓕ
QR40028	C-2	Ⓒ
QR40029	E-3	Ⓕ
QR40030	E-2	Ⓕ
QR40031	E-2	Ⓕ
QR40032	E-2	Ⓕ

Integrated Circuit		
IC40001	F-2	Ⓒ
IC40001	F-2	Ⓕ
IC40002	F-3	Ⓒ
IC40002	F-3	Ⓕ
IC40003	D-2	Ⓒ
IC40003	D-2	Ⓕ
IC40004	D-3	Ⓒ
IC40004	D-3	Ⓕ
IC40005	B-1	Ⓒ
IC40006	C-2	Ⓒ
IC40006	C-2	Ⓕ
IC40007	B-3	Ⓒ
IC40007	B-3	Ⓕ
IC40008	B-2	Ⓒ
IC40008	B-2	Ⓕ
IC40009	C-2	Ⓒ
IC40010	C-3	Ⓒ
IC40011	C-3	Ⓒ
IC40012	C-3	Ⓒ
IC40013	C-3	Ⓕ
IC40014	C-3	Ⓕ
IC40015	C-3	Ⓕ
IC40016	E-3	Ⓒ
IC40017	E-2	Ⓒ
IC40018	E-2	Ⓕ
IC40019	E-3	Ⓕ
IC40020	E-1	Ⓒ
IC40020	E-1	Ⓕ
IC40021	B-2	Ⓕ

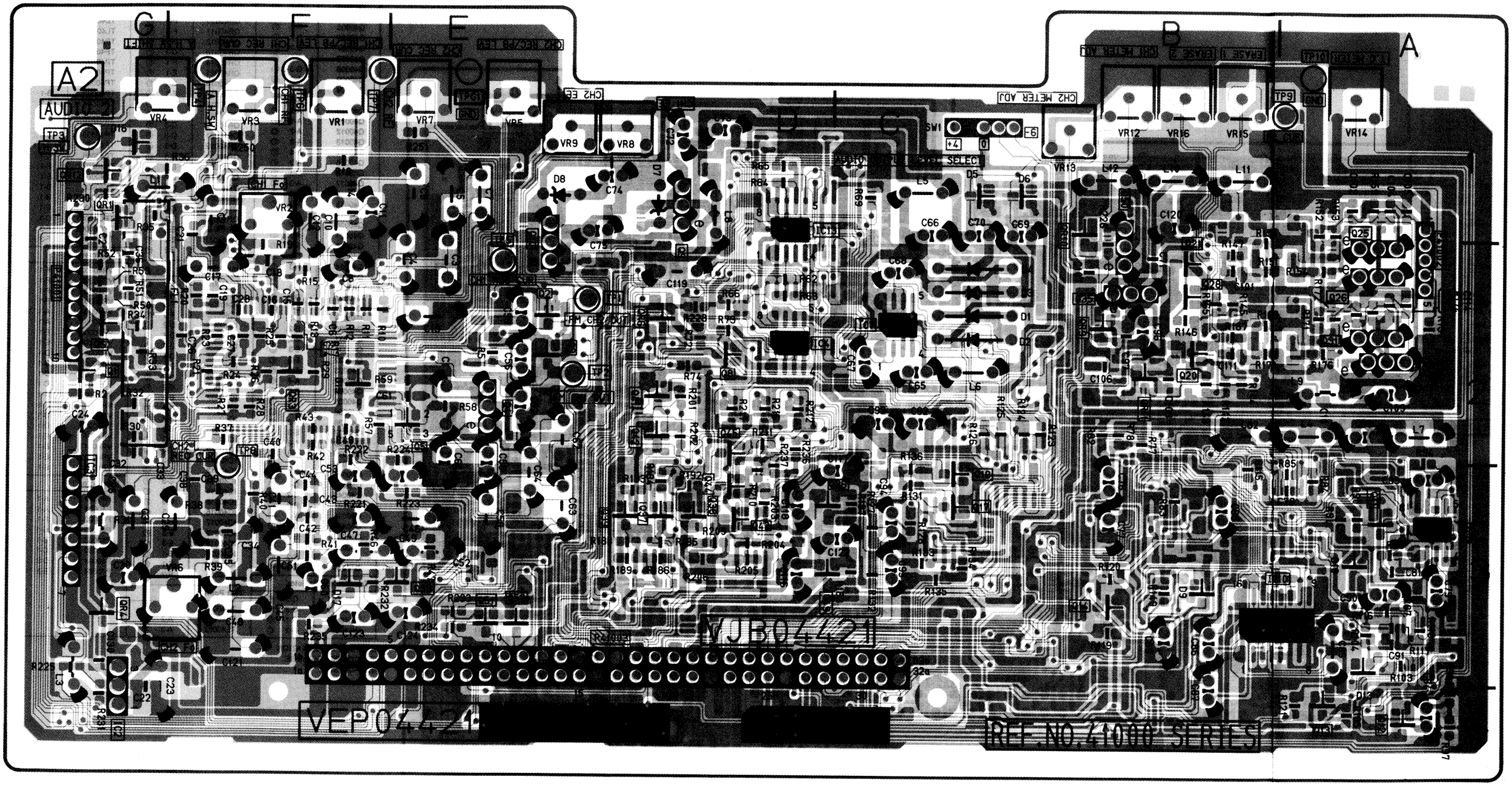
Test Point		
TL40001	A-2	Ⓒ
TL40001	A-2	Ⓕ
TL40002	A-3	Ⓒ
TL40002	A-3	Ⓕ
TL40003	A-3	Ⓒ
TL40003	A-3	Ⓕ
TL40004	B-3	Ⓒ
TL40004	B-3	Ⓕ
TL40005	B-2	Ⓒ
TL40005	B-2	Ⓕ
TP40001	B-3	Ⓒ
TP40001	B-3	Ⓕ
TP40002	A-3	Ⓒ
TP40002	A-3	Ⓕ
TP40003	B-1	Ⓒ
TP40003	B-1	Ⓕ
TP40004	B-3	Ⓒ
TP40004	B-3	Ⓕ
TP40005	G-1	Ⓒ
TP40005	G-1	Ⓕ
TP40006	C-1	Ⓒ
TP40006	C-1	Ⓕ
TP40007	E-1	Ⓒ
TP40007	E-1	Ⓕ
TP40008	B-1	Ⓒ
TP40008	B-1	Ⓕ
TPG40001	C-1	Ⓒ
TPG40001	C-1	Ⓕ
TPG40002	F-3	Ⓒ
TPG40002	F-3	Ⓕ

Adjustment		
VR40002	F-1	Ⓒ
VR40002	F-1	Ⓕ
VR40003	F-1	Ⓒ
VR40003	F-1	Ⓕ
VR40004	A-1	Ⓒ
VR40004	A-1	Ⓕ
VR40005	E-1	Ⓒ
VR40005	E-1	Ⓕ
VR40007	D-1	Ⓒ
VR40007	D-1	Ⓕ
VR40008	D-1	Ⓒ
VR40008	D-1	Ⓕ
VR40009	A-1	Ⓒ
VR40009	A-1	Ⓕ
VR40010	D-1	Ⓒ
VR40010	D-1	Ⓕ
VR40011	E-1	Ⓒ
VR40011	E-1	Ⓕ
VR40012	E-1	Ⓒ
VR40012	E-1	Ⓕ

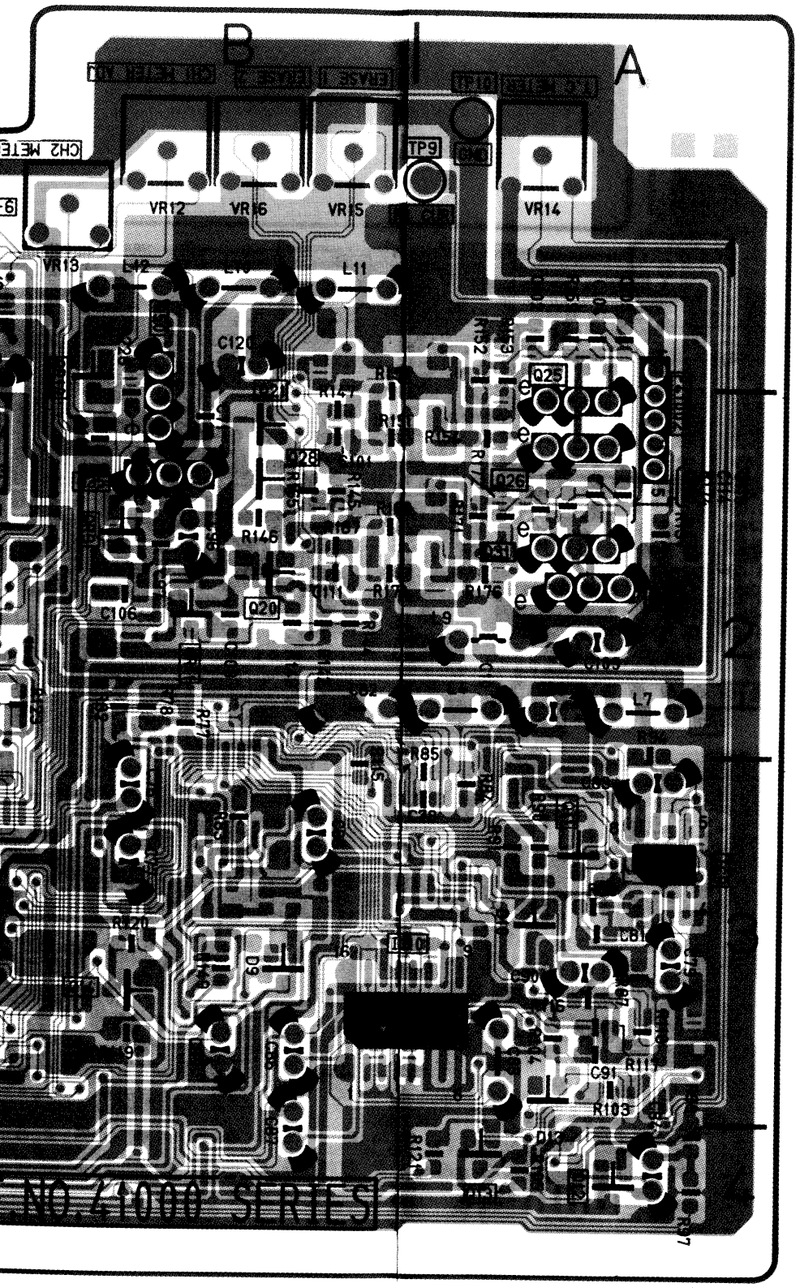
Connector		
P40001	A-1	Ⓒ
P40001	A-1	Ⓕ
P40002	F-1	Ⓒ
P40002	G-1	Ⓕ
P40003	C-1	Ⓒ
P40003	C-1	Ⓕ
P40004	D-3	Ⓒ
P40004	E-3	Ⓕ

ADDRESS INFORMATION
Ⓒ... COMPONENT SIDE
Ⓕ... FOIL SIDE

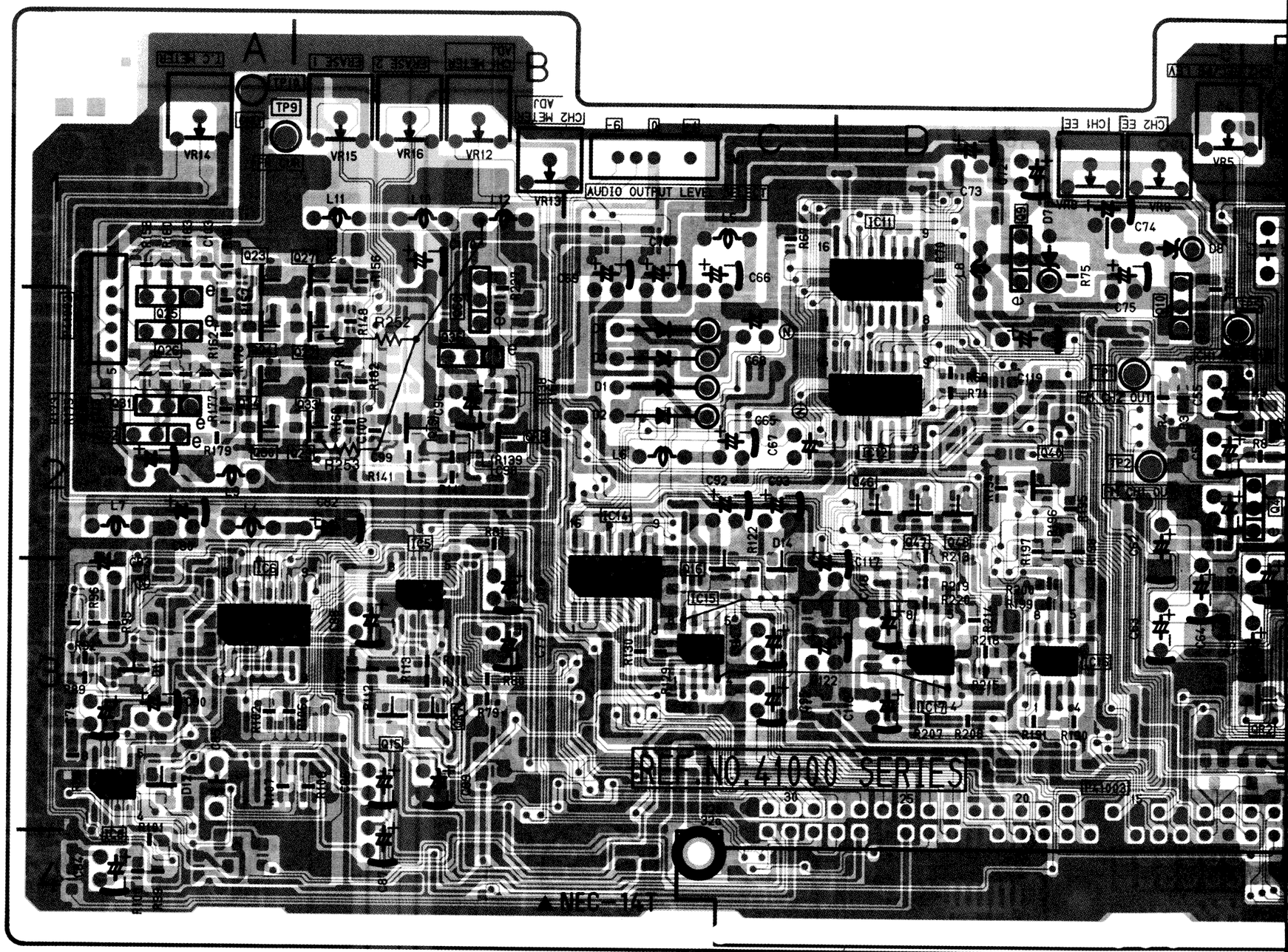
AUDIO (2) C.B.A. (E8)

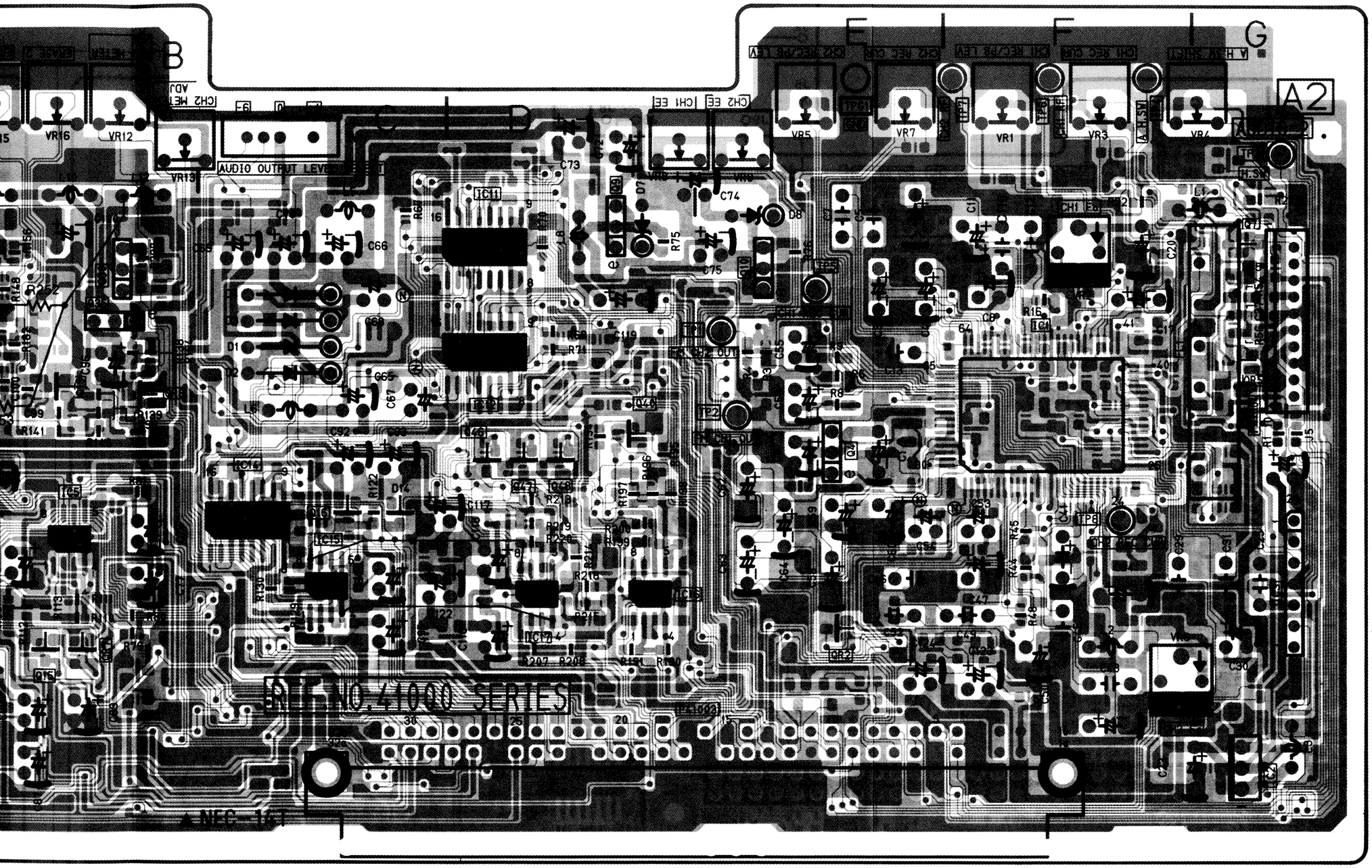


(FOIL SIDE)


NO.41000 SERIES

(FOIL SIDE)


AUDIO OUTPUT LEVEL
NEC 161
REF NO.41000 SERIES



(COMPONENT SIDE)

AUDIO (2) C.B.A.		
Transistor		
Q41001	G-2	Ⓕ
Q41002	E-2	Ⓕ
Q41003	E-2	Ⓕ
Q41003	F-2	Ⓕ
Q41004	E-2	©
Q41004	E-2	Ⓕ
Q41005	E-2	Ⓕ
Q41006	G-2	Ⓕ
Q41007	G-1	©
Q41008	D-2	Ⓕ
Q41009	D-1	©
Q41009	D-1	Ⓕ
Q41010	E-2	©
Q41010	E-2	Ⓕ
Q41011	A-3	Ⓕ
Q41012	A-4	Ⓕ
Q41013	A-4	Ⓕ
Q41014	B-3	Ⓕ
Q41015	B-3	©
Q41016	C-3	©
Q41017	C-3	Ⓕ
Q41018	C-3	Ⓕ
Q41019	B-2	©
Q41020	B-2	Ⓕ
Q41021	B-2	Ⓕ
Q41022	B-2	©
Q41023	A-1	©
Q41024	A-2	©
Q41025	A-2	©
Q41025	A-2	Ⓕ
Q41026	A-2	©
Q41026	A-2	Ⓕ
Q41027	B-1	©
Q41028	B-2	Ⓕ
Q41029	B-2	©
Q41030	A-2	©
Q41031	A-2	©
Q41031	A-2	Ⓕ
Q41032	A-2	©
Q41032	A-2	Ⓕ
Q41033	B-2	©
Q41034	A-2	©
Q41035	B-2	©
Q41035	B-2	Ⓕ
Q41036	D-3	Ⓕ
Q41037	D-3	Ⓕ
Q41038	D-3	Ⓕ
Q41039	D-3	Ⓕ
Q41040	D-2	©
Q41041	D-2	Ⓕ
Q41042	D-2	Ⓕ
Q41043	D-3	Ⓕ
Q41044	D-3	Ⓕ
Q41045	D-2	Ⓕ
Q41046	D-2	©
Q41047	D-2	©
Q41048	D-2	©
Q41049	D-3	Ⓕ
Q41050	B-2	©
Q41050	B-1	Ⓕ
Q41051	E-3	Ⓕ
Q41052	E-3	Ⓕ
Q41053	E-3	Ⓕ
Transistor & Resistor		
QR41001	G-1	Ⓕ
QR41002	E-3	©
QR41004	G-3	Ⓕ
QR41005	G-2	©
QR41006	D-2	Ⓕ
QR41007	B-3	©
QR41008	B-2	©
QR41009	B-2	Ⓕ
QR41010	B-1	Ⓕ
QR41011	B-2	Ⓕ
QR41012	G-1	Ⓕ
Integrated Circuit		
IC41001	F-2	©
IC41002	G-4	©
IC41002	G-4	Ⓕ
IC41003	G-3	©
IC41003	G-3	Ⓕ
IC41004	D-2	Ⓕ
IC41005	B-3	©
IC41006	A-3	©
IC41007	C-2	Ⓕ
IC41008	A-3	©
IC41009	A-3	Ⓕ
IC41010	A-3	Ⓕ
IC41011	D-1	©
IC41012	D-2	©
IC41013	D-1	Ⓕ
IC41014	C-3	©
IC41015	C-3	©
IC41016	D-3	©
IC41017	D-3	©
Test Point		
TP41001	E-2	©
TP41001	E-2	Ⓕ
TP41002	E-2	©
TP41002	E-2	Ⓕ
TP41003	G-1	©
TP41003	G-1	Ⓕ
TP41004	F-1	©
TP41004	F-1	Ⓕ
TP41005	E-2	©
TP41005	E-2	Ⓕ
TP41006	F-1	©
TP41006	F-1	Ⓕ
TP41007	F-1	©
TP41007	F-1	Ⓕ
TP41008	F-3	©
TP41008	F-3	Ⓕ
TP41009	A-1	©
TP41009	A-1	Ⓕ
TP41010	A-1	©
TP41010	A-1	Ⓕ
TPG40001	E-1	©
TPG40001	E-1	Ⓕ
Adjustment		
VR41001	F-1	©
VR41001	F-1	Ⓕ
VR41002	F-2	©
VR41002	F-1	Ⓕ
VR41003	F-1	©
VR41003	F-1	Ⓕ
VR41004	G-1	©
VR41004	F-1	Ⓕ
VR41005	E-1	©
VR41005	E-1	Ⓕ
VR41006	F-3	©
VR41006	F-3	Ⓕ
VR41007	E-1	©
VR41007	E-1	Ⓕ
VR41008	D-1	©
VR41008	D-1	Ⓕ
VR41009	E-1	©
VR41009	E-1	Ⓕ
VR41012	B-1	©
VR41012	B-1	Ⓕ
VR41013	B-1	©
VR41013	B-1	Ⓕ
VR41014	A-1	©
VR41014	A-1	Ⓕ
VR41015	B-1	©
VR41015	B-1	Ⓕ
VR41016	B-1	©
VR41016	B-1	Ⓕ
Connector		
P41001	G-2	©
P41001	D-3	Ⓕ
P41002	A-2	©
P41002	A-2	Ⓕ
P41003	D-3	©
P41003	D-3	Ⓕ

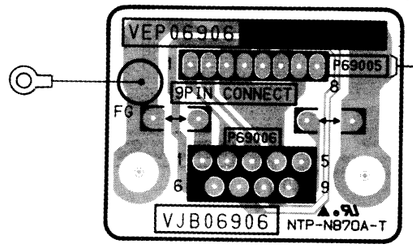
ADDRESS INFORMATION
©...COMPONENT SIDE
Ⓕ...FOIL SIDE

INTERFACE C.B.A. (E9), TIME CODE C.B.A. (E10) AND 9 PIN CONNECT C.B.A. (E33)

9 PIN CONNECT C.B.A.	
Connector	
P69005 P69006	C-2 C-2

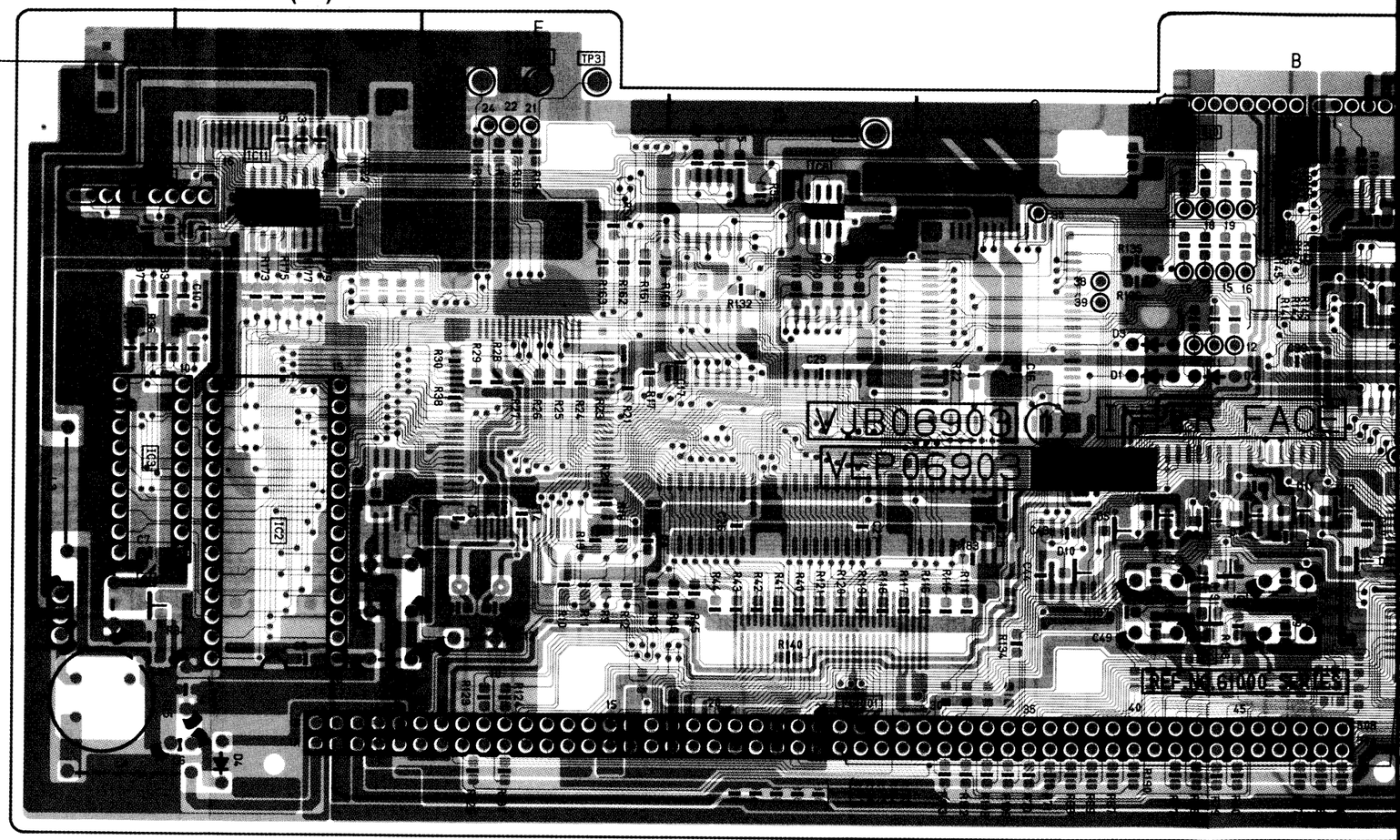
ADDRESS INFORMATION

9 PIN CONNECT C.B.A. (E33)

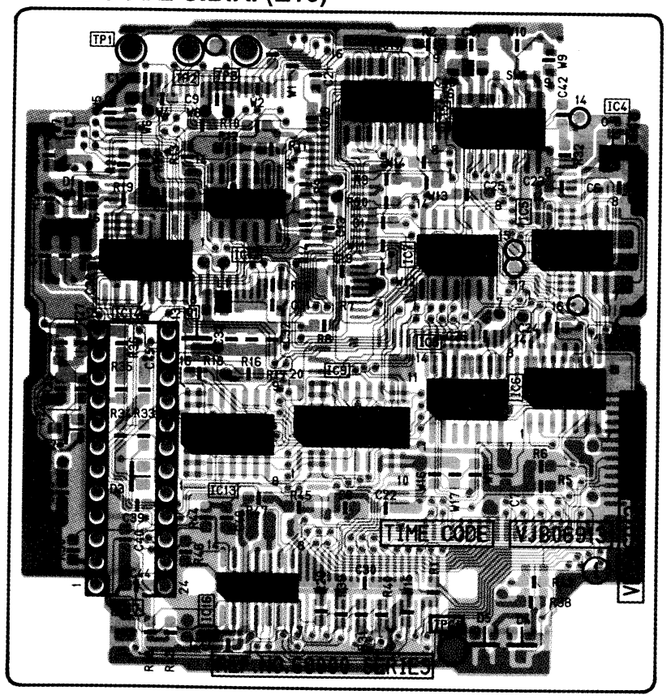


(FOIL SIDE)

INTERFACE C.B.A. (E9)

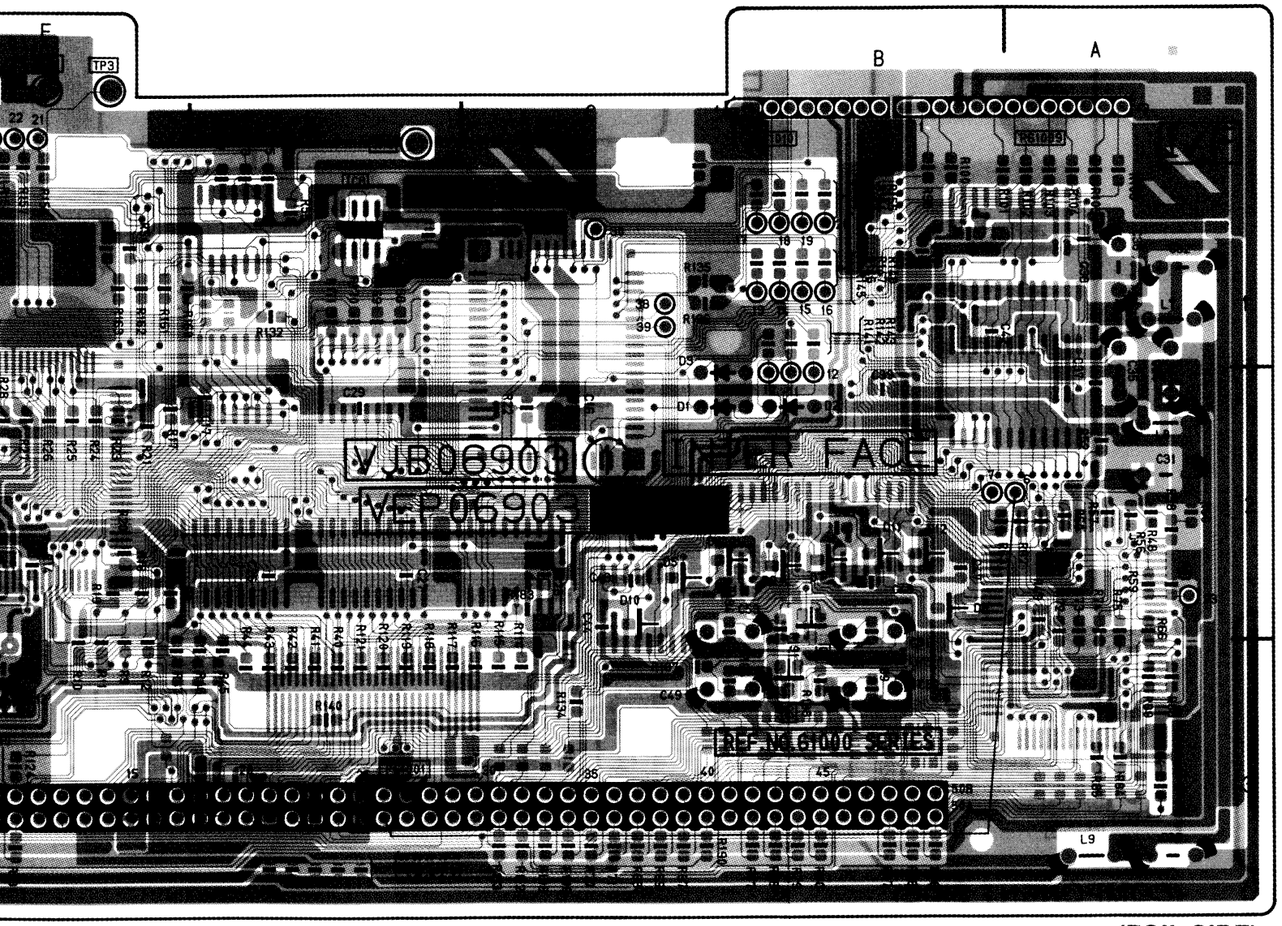


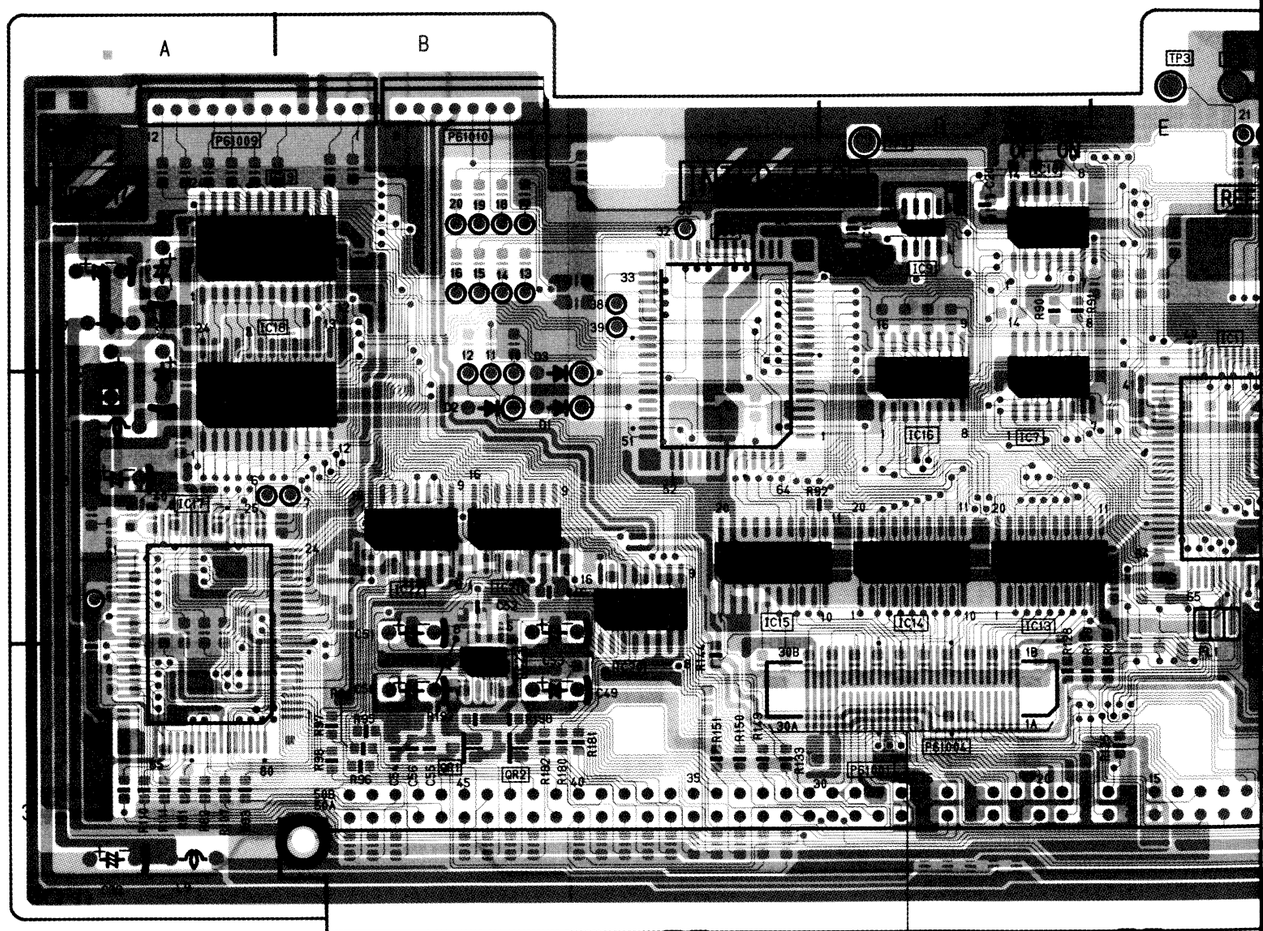
TIME CODE C.B.A. (E10)



(FOIL SIDE)

E33)





(FOIL SIDE)

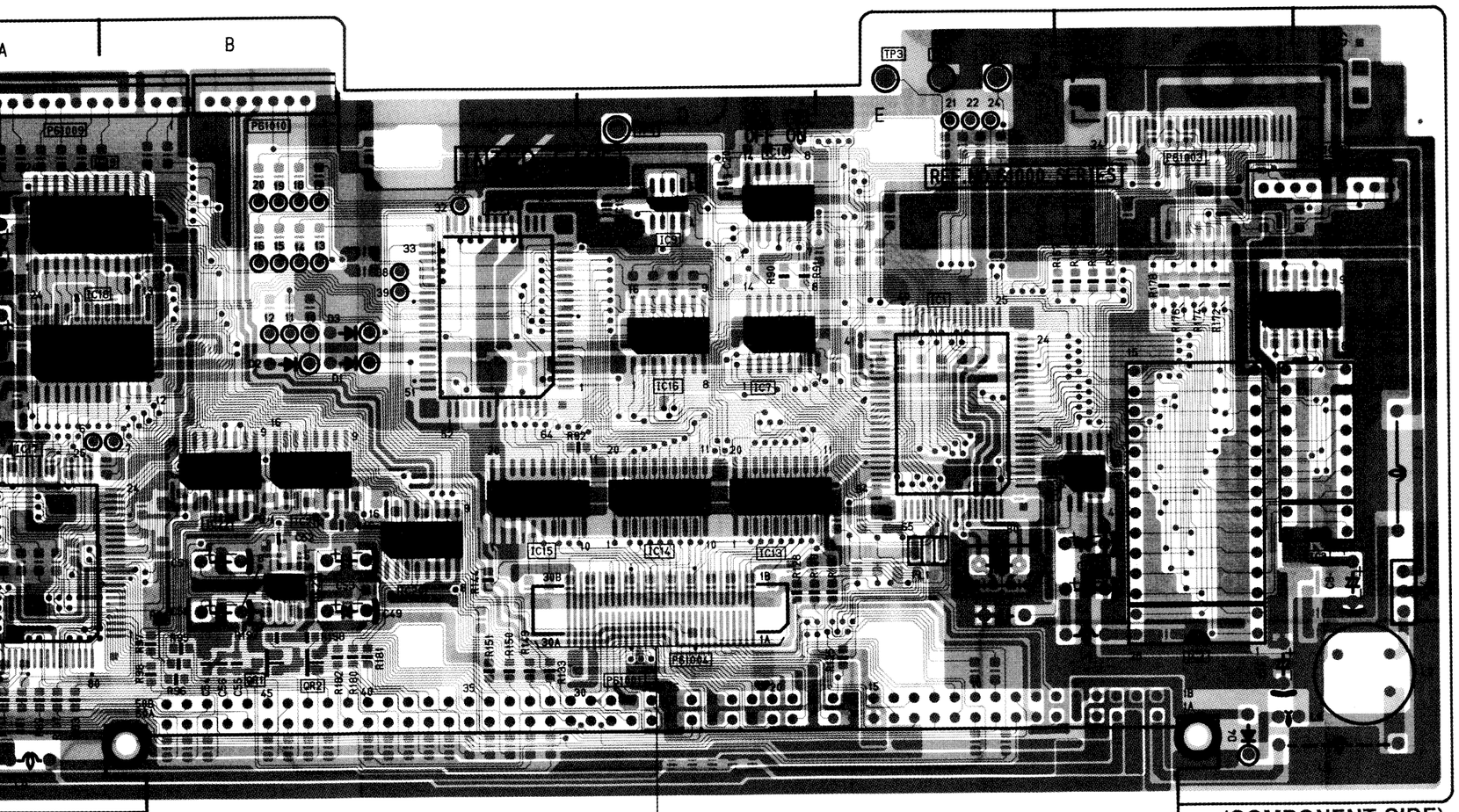
4 5 6 7 8 9 10 11

INTERFACE C.B.A.					
Transistor		IC61008	C-5	TP61002	C-4
Q61001	A-3	IC61009	B-10	TP61002	C-11
Q61002	A-6	IC61010	C-10	TP61003	C-4
Q61003	A-6	IC61011	C-3	TP61003	C-11
Transistor & Resistor		IC61013	B-10	TP61004	C-5
QR61001	A-9	IC61014	B-10	TP61004	C-10
QR61002	A-9	IC61015	B-10	**Connector**	
Integrated Circuit		IC61016	B-10	P61001	A-5
IC61001	B-11	IC61017	B-8	P61001	A-10
IC61002	A-3	IC61018	B-8	P61002	C-3
IC61002	A-12	IC61019	C-8	P61002	C-12
IC61003	A-3	IC61020	A-9	P61003	C-12
IC61003	A-12	IC61021	B-9	P61004	A-10
IC61004	C-10	IC61022	B-9	P61009	C-7
IC61005	B-11	IC61023	A-9	P61009	C-8
IC61006	B-12	**Test Point**		P61010	C-6
IC61007	B-11	TP61001	C-4	P61010	C-9
		TP61001	C-11		

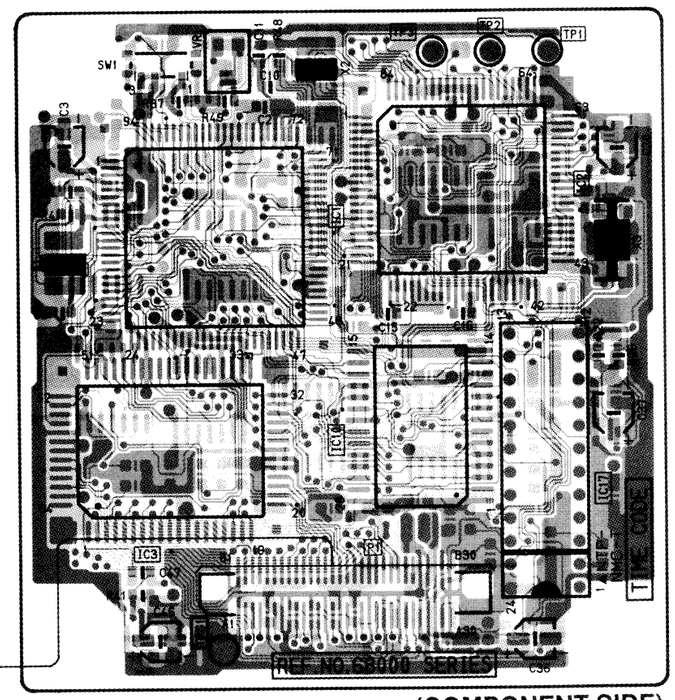
ADDRESS INFORMATION

TIME CODE C.B.A.			
Transistor		IC68016	A-1
Q68001	B-1	IC68017	A-1
Integrated Circuit		IC68017	A-14
IC68001	B-14	**Test Point**	
IC68002	B-14	TP68001	B-1
IC68003	A-13	TP68001	B-14
IC68004	B-2	TP68002	B-1
IC68005	B-2	TP68002	B-14
IC68006	A-2	TP68003	B-1
IC68007	B-2	TP68003	B-14
IC68008	A-2	TPG68001	A-2
IC68009	A-2	TPG68001	A-13
IC68010	A-14	**Adjustment**	
IC68011	B-2	VR68001	B-13
IC68012	B-1	**Connector**	
IC68013	A-1	P68001	A-14
IC68014	B-1		
IC68015	B-2		

ADDRESS INFORMATION



(COMPONENT SIDE)



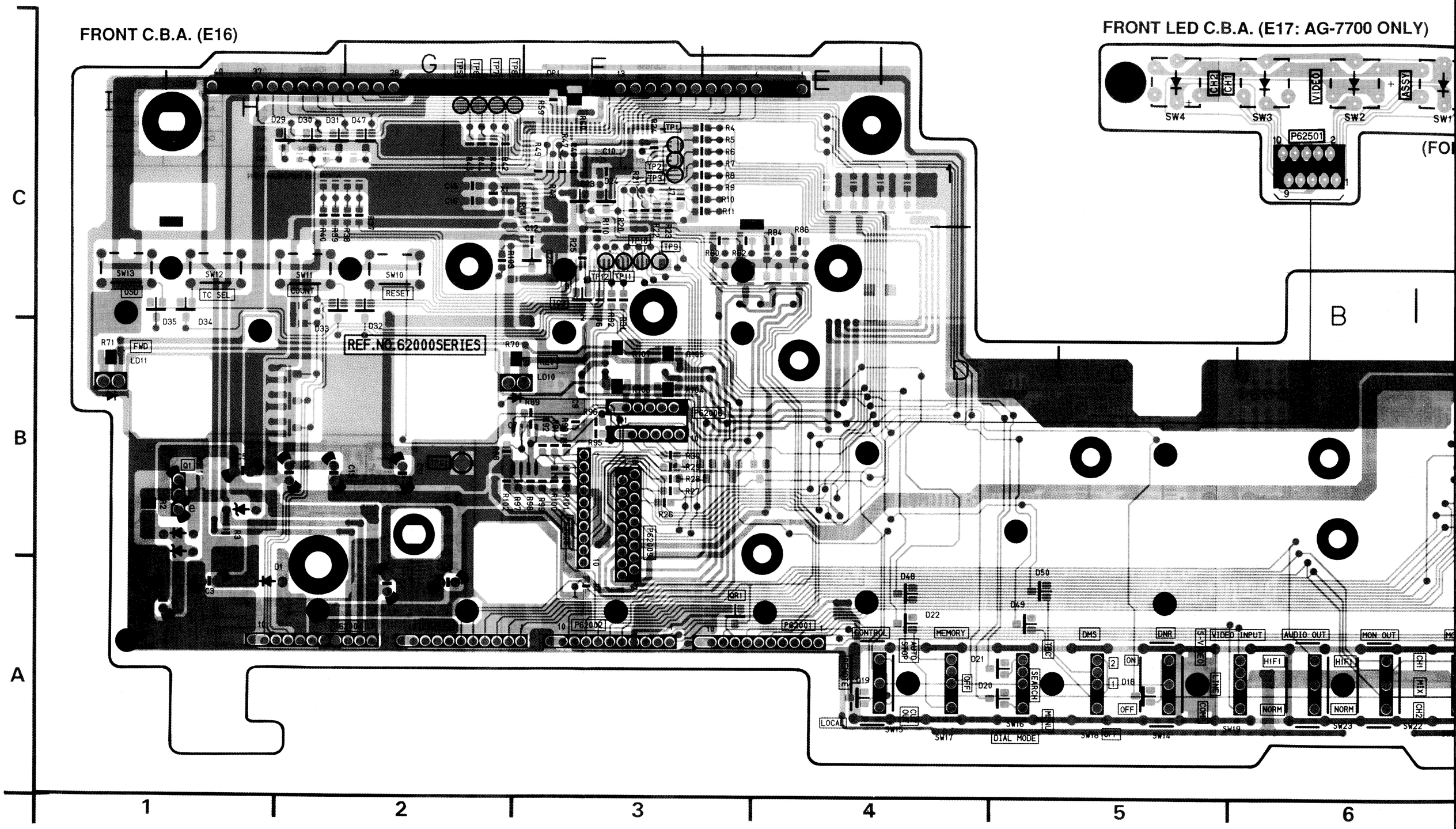
(COMPONENT SIDE)

9 10 11 12 13 14

FRONT C.B.A. (E16) AND FRONT LED C.B.A. (E17: AG-7700 ONLY)

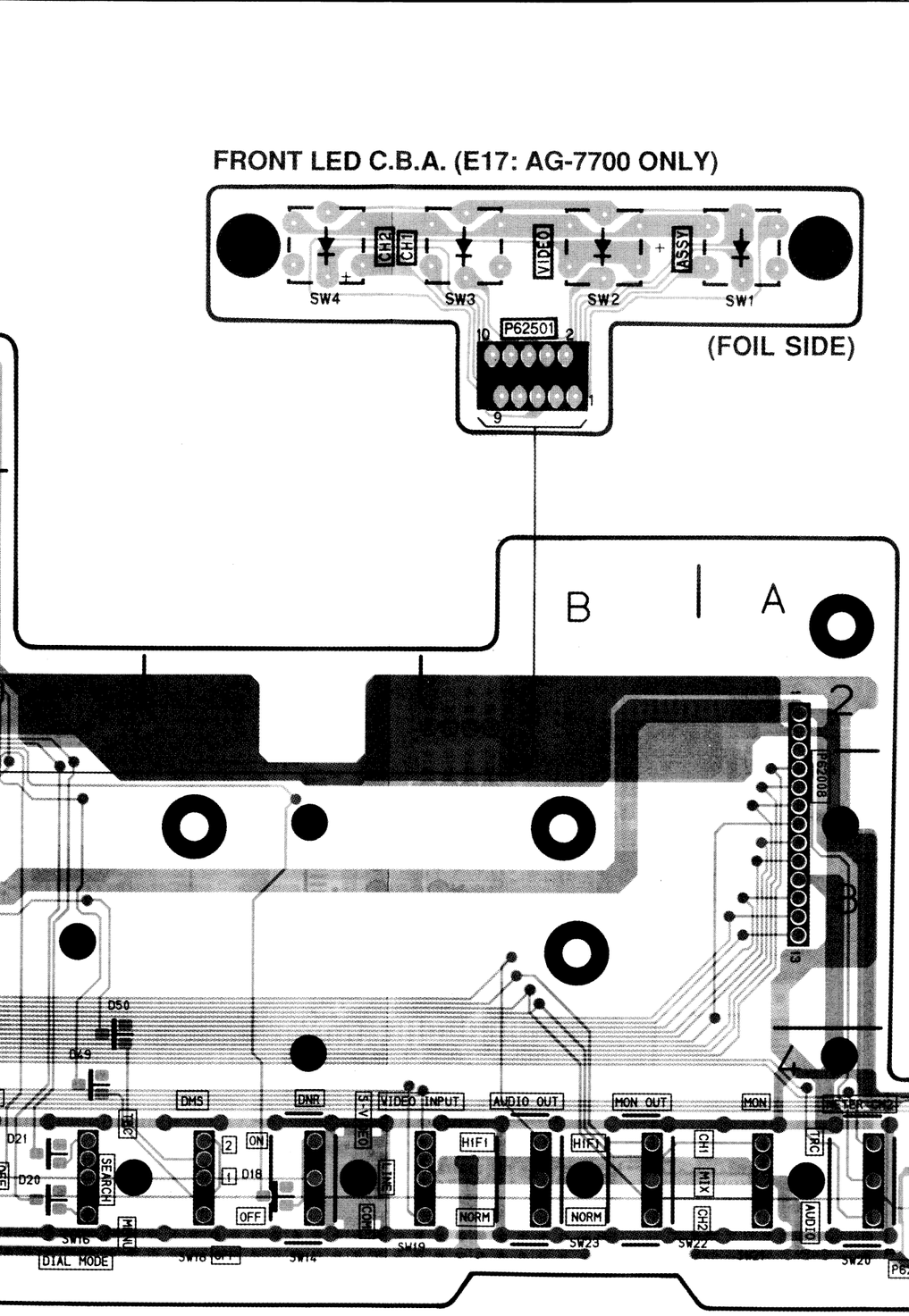
FRONT C.B.A. (E16)

FRONT LED C.B.A. (E17: AG-7700 ONLY)

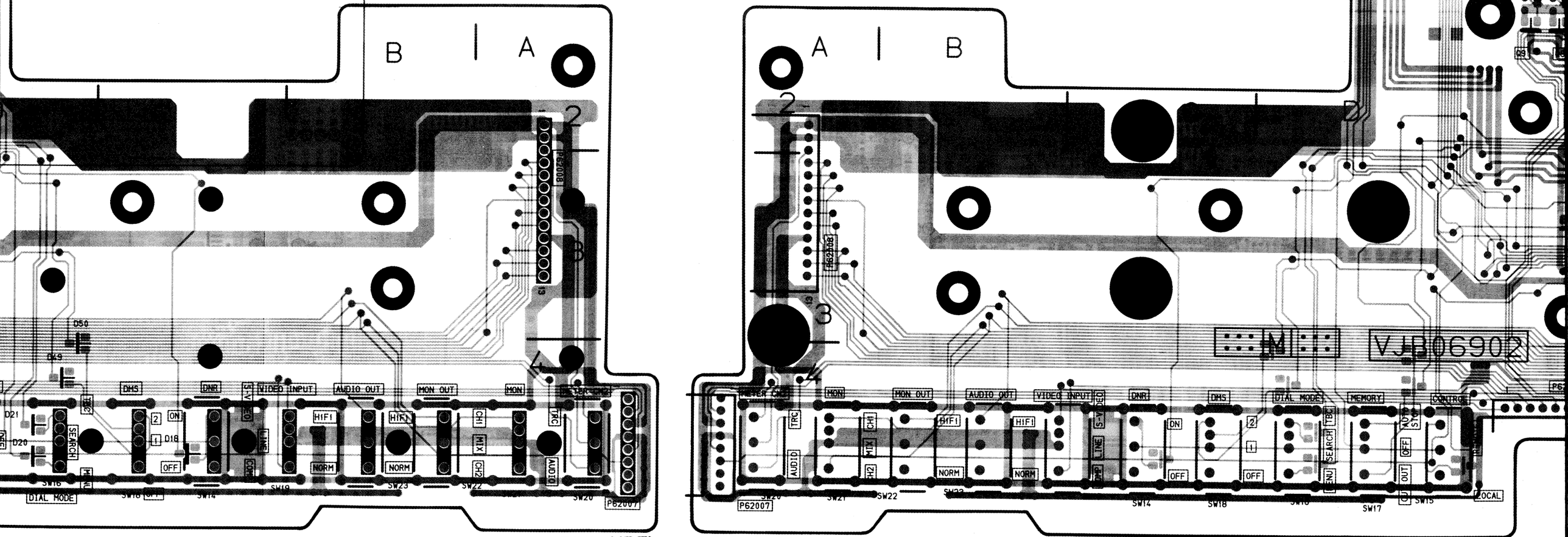


FRONT LED C.B.A. (E17: AG-7700 ONLY)

(FOIL SIDE)

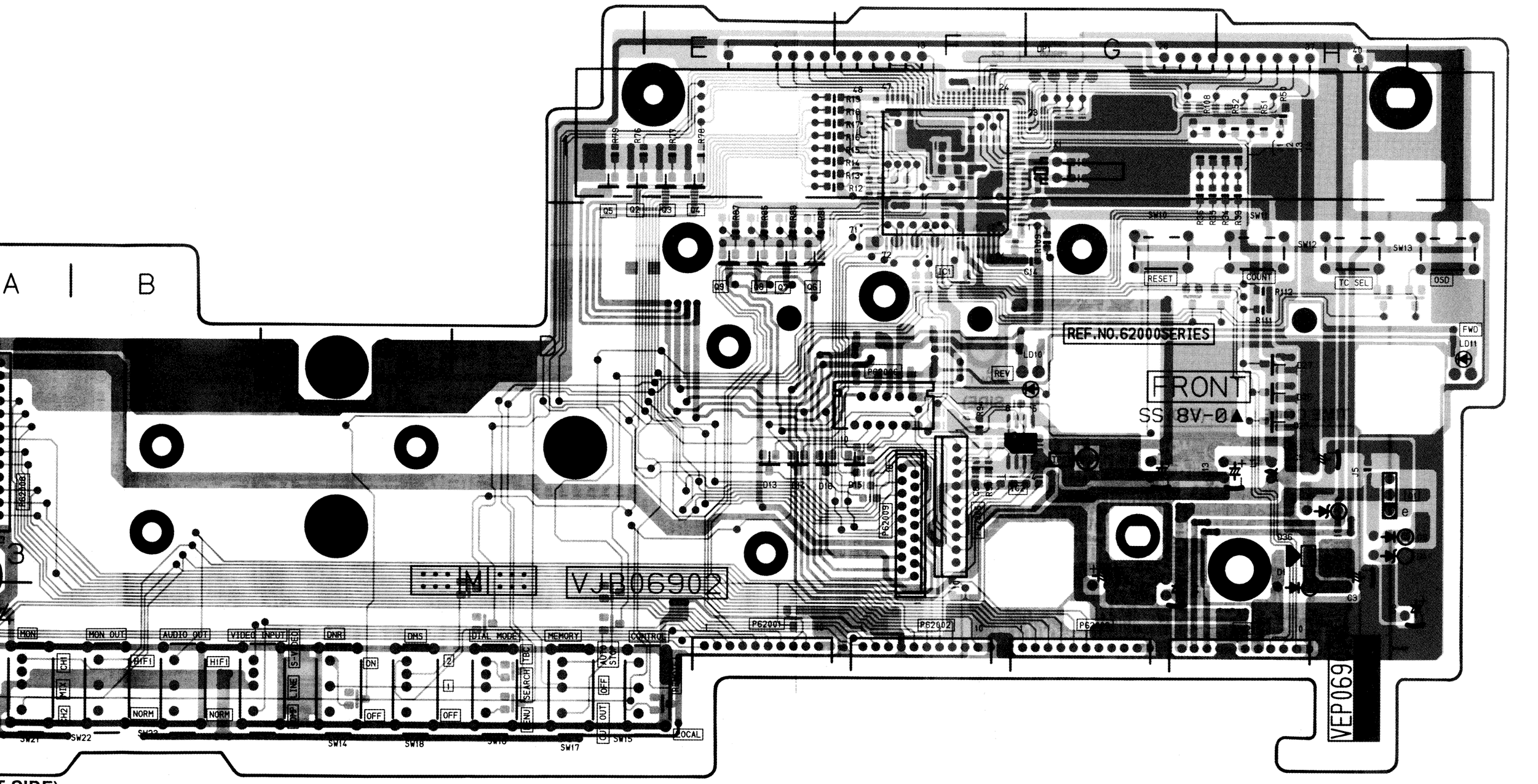


(FOIL SIDE)



(COMPONENT SIDE)

5 6 7 8 9 10



T SIDE)

8 9 10 11 12 13

KEYBOARD C.B.A. (E18)

FRONT C.B.A.	
Transistor	
Q62001	B-1
Q62001	B-13
Q62002	C-10
Q62003	C-10
Q62004	C-10
Q62005	C-10
Q62006	C-11
Q62007	C-11
Q62008	C-11
Q62009	C-10
Transistor & Resistor	
QR62001	A-3
Integrated Circuit	
IC62001	C-11
IC62002	B-12
IC62003	C-3
Test Point	
TP62001	C-3
TP62002	C-3
TP62003	C-3
TP62005	C-2
TP62006	C-2
TP62007	C-2
TP62008	C-2
TP62009	C-3
TP62010	C-3
TP62011	C-3
TP62012	C-3
TPG62001	B-2
TPG62001	B-12
Connector	
P62001	A-4
P62001	A-11
P62002	A-3
P62002	A-11
P62003	A-2
P62003	A-12
P62004	A-2
P62004	A-13
P62005	B-3
P62005	B-11
P62006	B-3
P62006	B-11
P62007	A-7
P62007	A-7
P62008	B-7
P62008	B-8
P62009	B-3
P62009	B-11

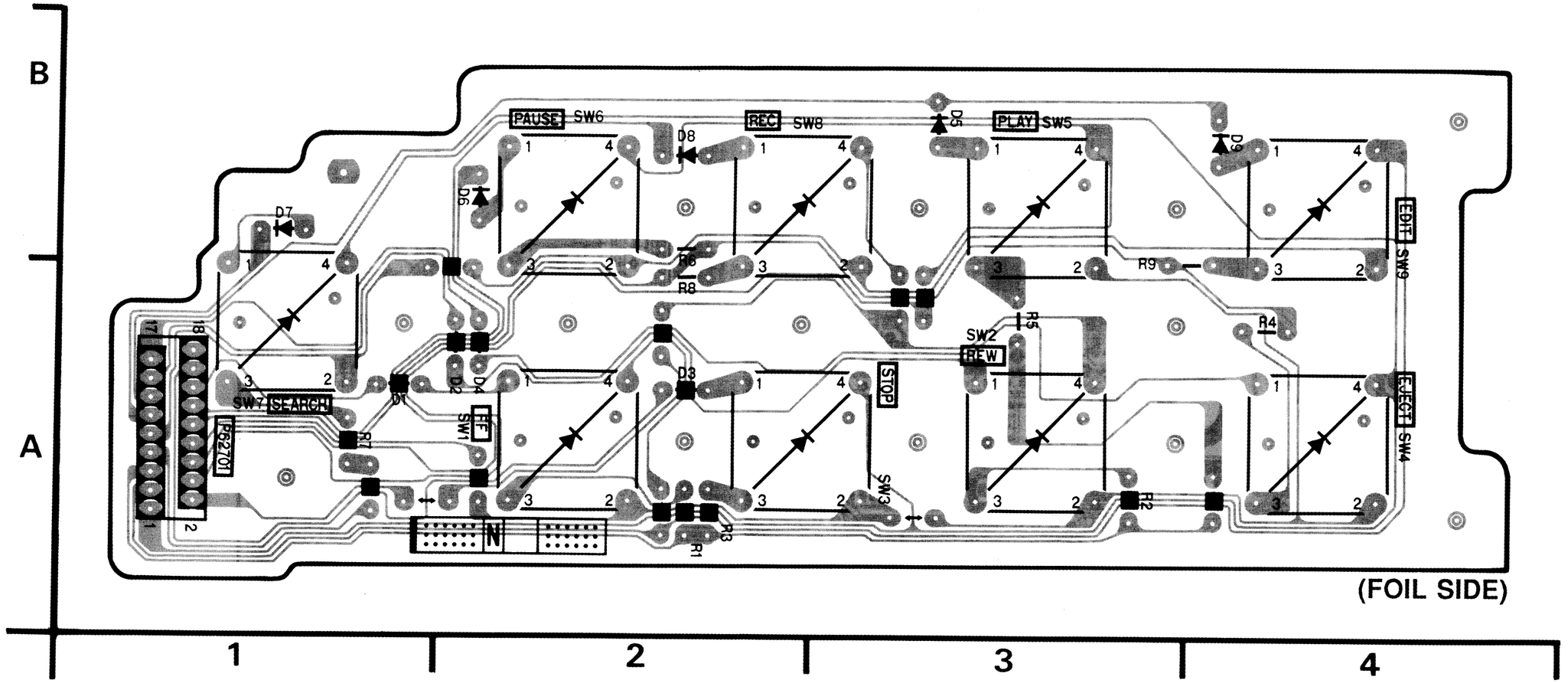
ADDRESS INFORMATION

FRONT LED C.B.A.	
Connector	
P62501	C-6

ADDRESS INFORMATION

KEYBOARD C.B.A.	
Connector	
P62701	A-1

ADDRESS INFORMATION



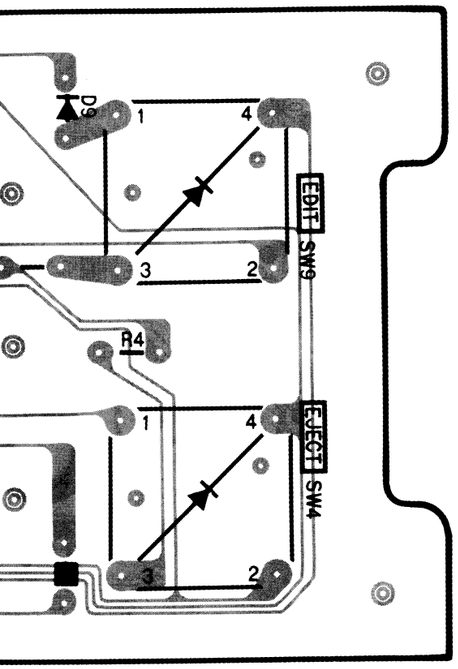
HEAD AMP C.B.A. (E15)

KEYBOARD C.B.A.	
Connector	
P62701	A-1

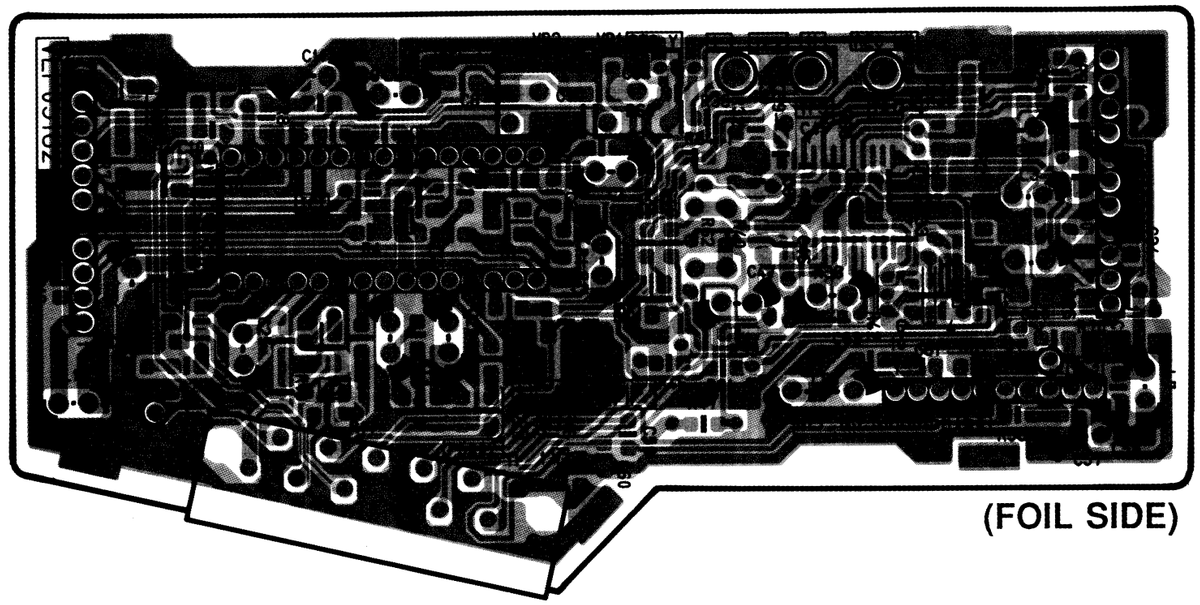
ADDRESS INFORMATION

HEAD AMP C.B.A.	
Transistor	
Q5001	A-1
Q5002	A-1
Q5003	A-3
Q5004	A-5
Q5005	A-2
Transistor & Resistor	
QR5001	B-1
Integrated Circuit	
IC5001	A-1
IC5001	A-5
IC5002	A-4
IC5003	A-3
IC5003	A-4
Test Point	
TP5001	B-2
TP5001	B-4
TP5002	B-2
TP5002	B-4
TP5003	B-2
TP5003	B-4
Adjustment	
VR5001	B-2
VR5001	B-4
VR5002	B-2
VR5002	B-4
Connector	
P5001	A-1
P5001	A-5
P5002	A-2
P5002	A-5
P5003	A-3
P5003	A-3

ADDRESS INFORMATION



(FOIL SIDE)



(FOIL SIDE)



(CO

A

B

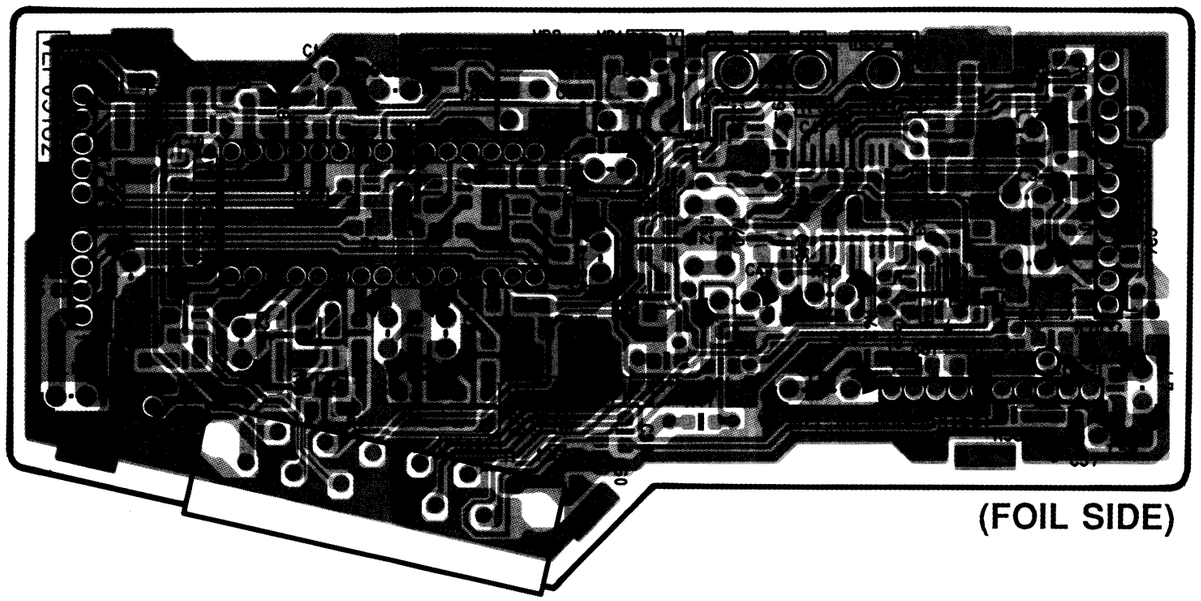
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1

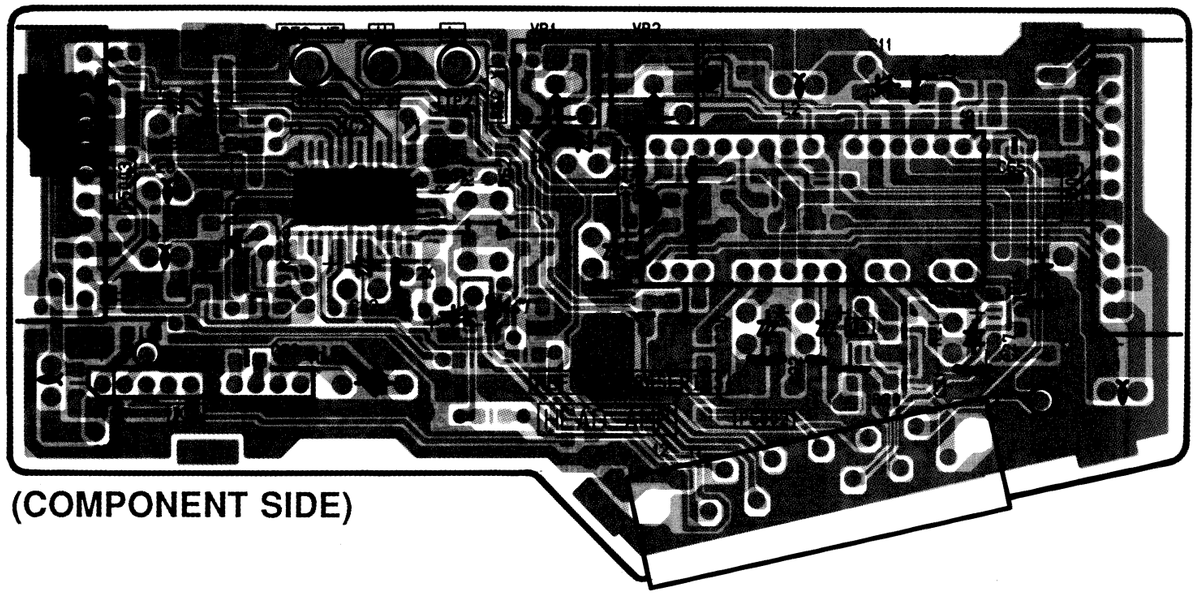
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3

D AMP C.B.A. (E15)



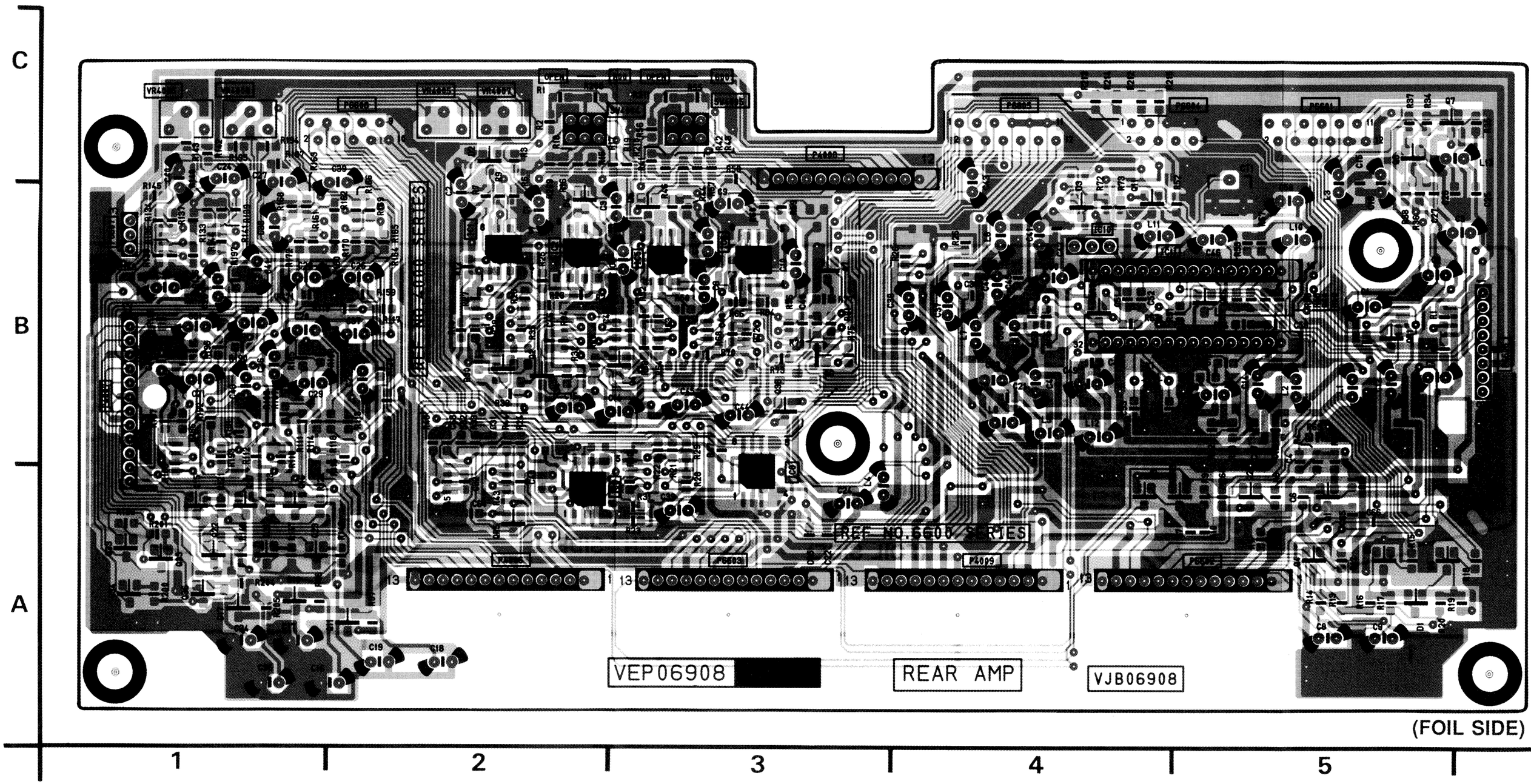
(FOIL SIDE)



(COMPONENT SIDE)

1 2 3 4 5

REAR AMP C.B.A. (E28)

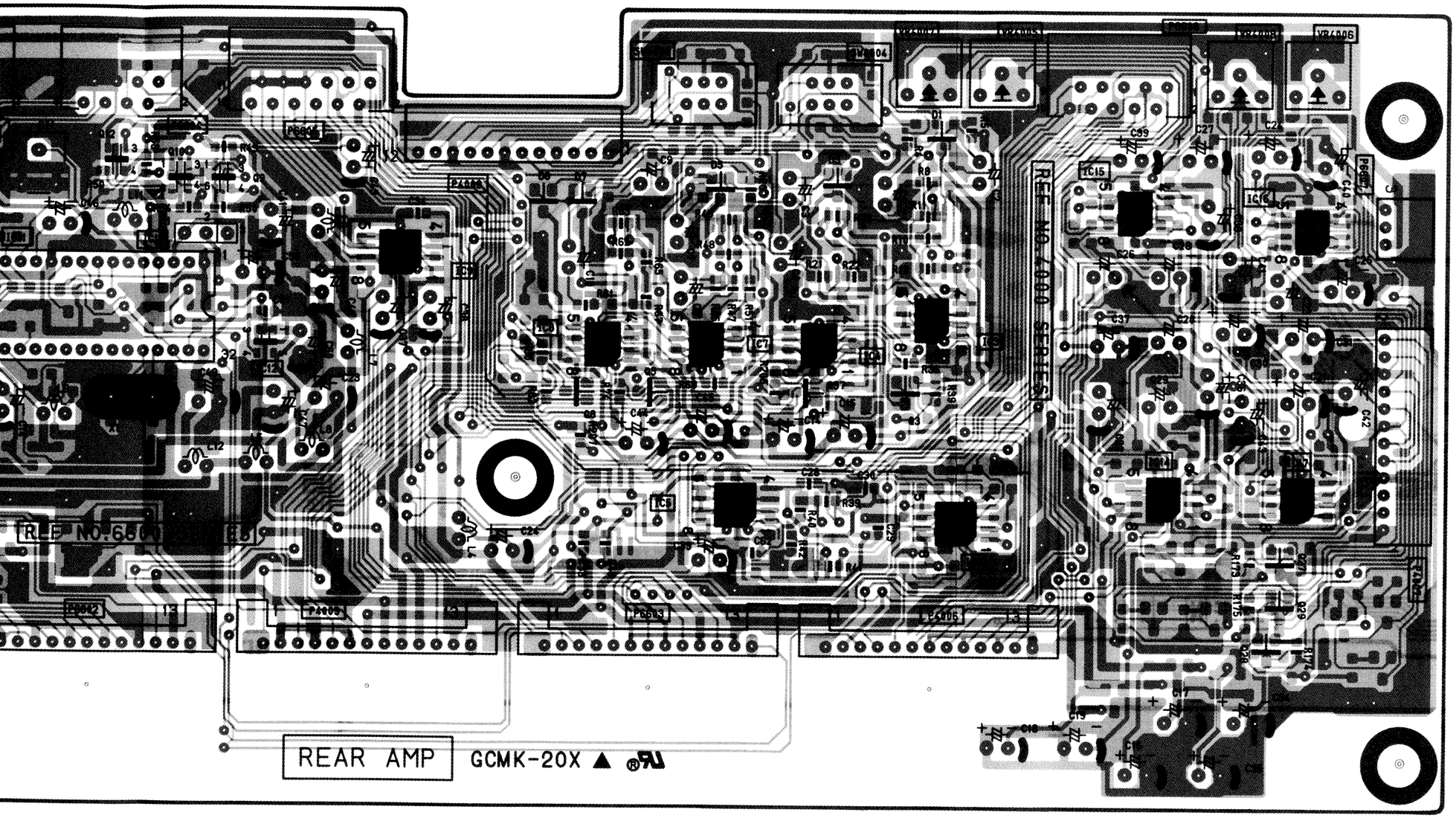


VJB06908

REAR AMP GCMK-20X ▲

(FOIL SIDE)

5 6 7 8 9



(COMPONENT SIDE)

7 8 9 10 11

REAR AMP C.B.A.

Transistor	
Q4001	B-2
Q4002	B-2
Q4003	B-9
Q4004	B-3
Q4005	B-9
Q4006	B-3
Q4007	B-3
Q4008	B-9
Q4010	A-1
Q4011	A-2
Q4015	A-1
Q4016	A-1
Q4017	A-1
Q4021	A-1
Q4022	A-1
Q4023	A-1
Q4027	A-11
Q4028	A-11
Q4029	A-11
Q4033	A-1
Q4034	A-1
Q4035	A-1
Q4036	A-1
Q4037	B-9
Q4038	B-3
Q6601	A-5
Q6602	A-5
Q6603	A-4
Q6604	A-5
Q6605	A-5
Q6606	A-5
Q6607	C-5
Q6608	C-5
Q6609	B-7
Q6610	B-7
Q6611	B-4
Q6612	C-7
Q6613	C-6

Transistor & Resistor	
QR6601	B-5
QR6603	A-5
QR6605	A-2
QR6606	B-5
QR6607	B-4

Integrated Circuit	
IC4001	B-2
IC4002	B-2
IC4003	B-10
IC4004	B-9
IC4005	B-3
IC4006	B-3
IC4007	B-9
IC4008	B-9
IC4014	B-10
IC4015	B-10
IC4016	B-11
IC4017	B-11
IC6601	B-6
IC6605	B-9
IC6606	A-2
IC6607	A-10
IC6608	A-3
IC6609	B-8
IC6610	B-4
IC6610	B-7
IC6611	B-4
IC6611	B-7
IC6612	B-8

Adjustment	
VR4005	C-2
VR4005	C-10
VR4006	C-1
VR4006	C-11
VR4007	C-2
VR4007	C-10
VR4008	C-1
VR4008	C-11

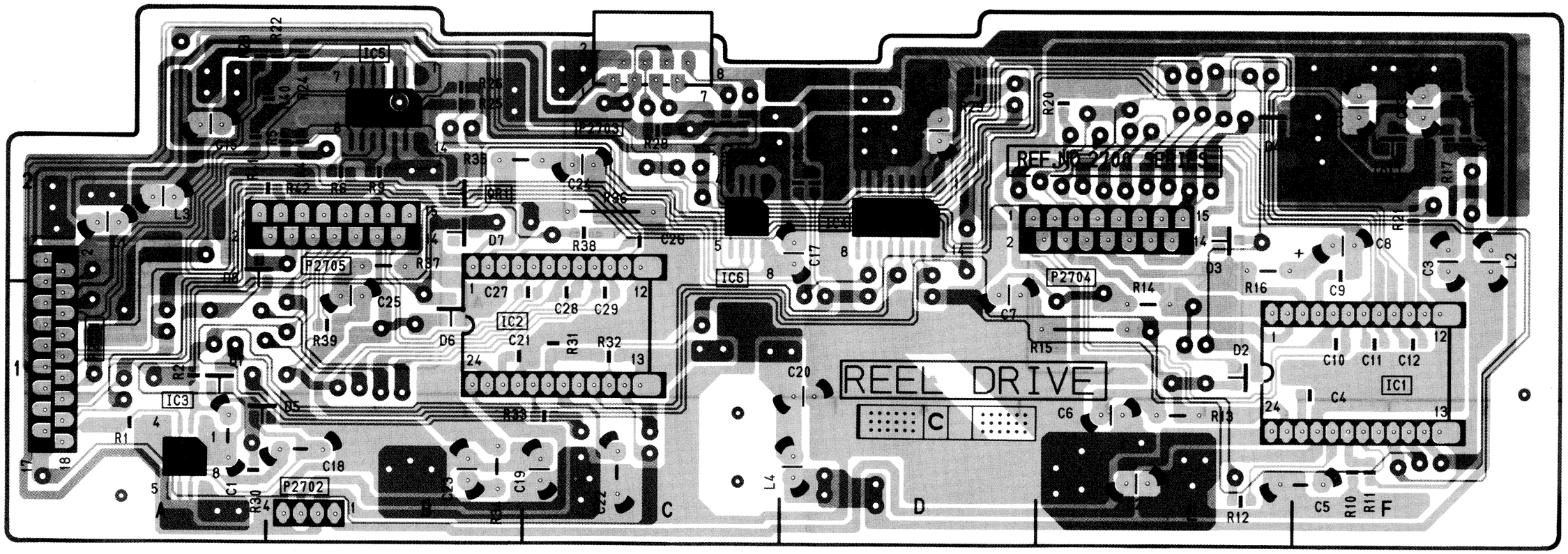
Connector	
P4006	A-2
P4006	A-10
P4007	B-1
P4007	B-11
P4008	C-3
P4008	C-8
P4009	A-4
P4009	A-8
P6601	C-5
P6601	C-7
P6602	A-5
P6602	A-7
P6603	A-3
P6603	A-9
P6604	C-5
P6604	C-7
P6605	C-4
P6605	C-8
P6606	B-6
P6606	B-6
P6607	B-1
P6607	B-11
P6608	C-2
P6608	C-10

ADDRESS INFORMATION

REEL DRIVE C.B.A. (E14)

REEL DRIVE C.B.A.	
Transistor	
Q2701	F-2
Transistor & Resistor	
QR2701	B-2
Integrated Circuit	
IC2701	F-1
IC2702	C-1
IC2703	A-1
IC2704	D-2
IC2705	B-2
IC2706	C-2
Connector	
P2701	A-1
P2702	B-2
P2703	C-2
P2704	E-2
P2705	B-2

ADDRESS INFORMATION

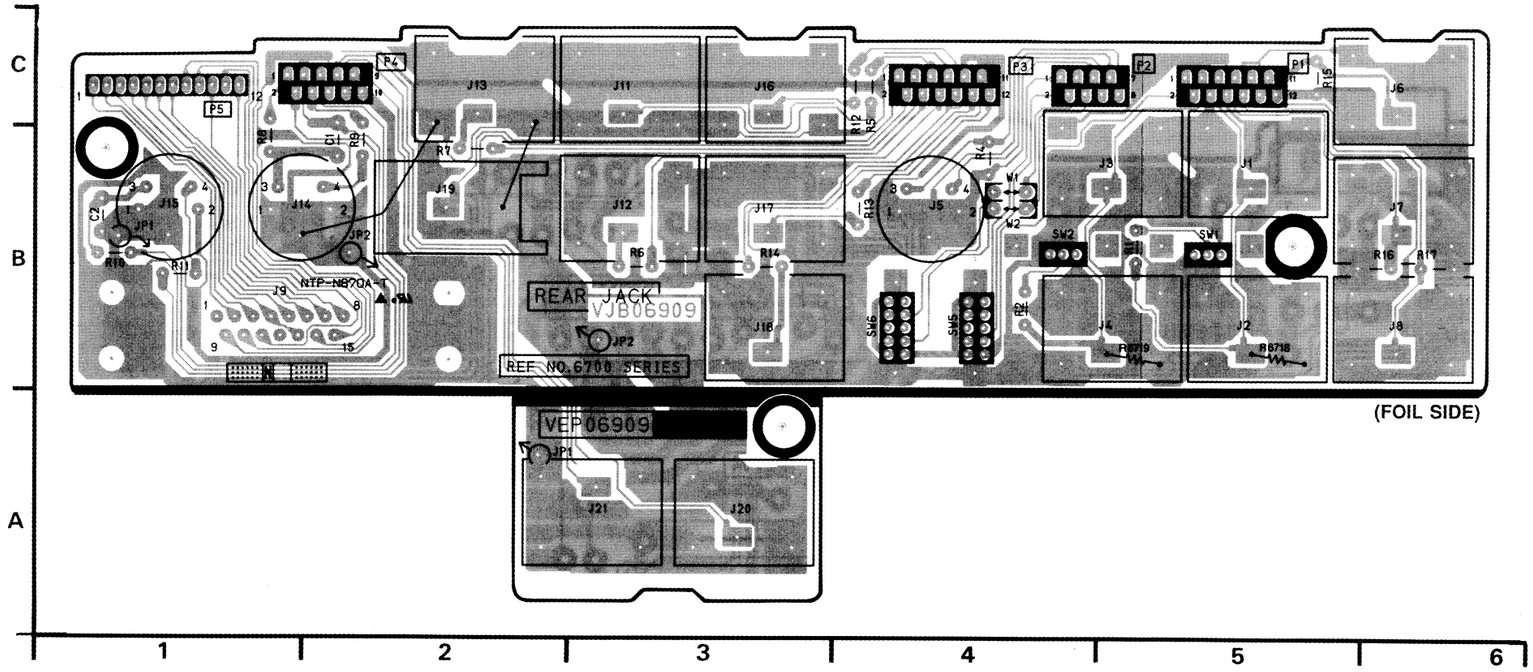


(FOIL SIDE)

REAR JACK C.B.A. (E29)

REAR JACK C.B.A.	
Connector	
P6701	C-5
P6702	C-4
P6703	C-4
P6704	C-2
P6705	C-1

ADDRESS INFORMATION



XLR M C.B.A. (E30) AND XLR F C.B.A. (E31: AG-7700 ONLY)

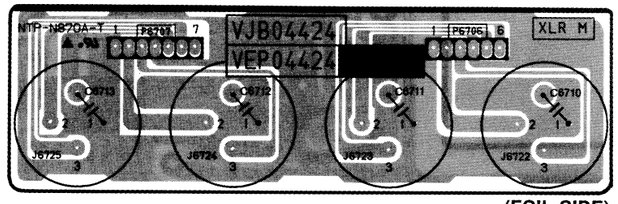
XLR M C.B.A.	
Connector	
P6706	B-2
P6707	B-1

ADDRESS INFORMATION

XLR F C.B.A.	
Connector	
P6708	A-2
P6709	A-1

ADDRESS INFORMATION

XLR M C.B.A. (E30)



XLR F C.B.A. (E31: AG-7700 ONLY)

SECTION 8

EXPLODED VIEWS & REPLACEMENT PARTS LISTS

CONTENTS

SERVICING FIXTURES & TOOLS LIST ····· PRT-2
CHASSIS PARTS SECTION ····· PRT-3
MOVING PARTS SECTION ····· PRT-5
CASSETTE COMPARTMENT SECTION ····· PRT-6
CHASSIS & FRAME SECTION ····· PRT-8
CASING PARTS SECTION ····· PRT-9
PACKING PARTS SECTION ····· PRT-11
ELECTRICAL REPLACEMENT PARTS LIST ····· PRT-13

NOTE

EXPLODED VIEWS ARE BASED ON AG-7700.

NOTES

1. ● Be sure to make your orders of replacement parts according to this list.
   ● "<R>" in Remark column indicates recommended parts.
   ● "<M>" in Remark column indicates needed in the periodical maintenance.
2. IMPORTANT SAFETY NOTICE
   Components indentified by "<!>" have special characteristics important for safety. When replacing any of these components, use only the original ones.
   Meaning of symbol "<!>" on this parts list is exactly the same as synbol ⚠ on Schematic and Circuit Board Diagrams.
3. Unless otherwise specified;
   All resistors are in (Ω), K=1,000Ω, M=1,000kΩ.
   All capacitors are in (F), U=10 F, P=10 F.
4. ITEM NUMBERS WITH CAPITAL LETER E
   Item numbers woth capital leter E (Example: E1, E2, ...) in Ref. no. column mean that the parts are listed with the E item numbers in the exploded views.
5. The main assembled parts are shown below C.B.A. marked with "■".
6. When ordering parts, use parts No. only form Part No. column.
7. Printed circuit board assembly with mark (RTL) is no longer available after discontinuation of the product.
8. Abbreviations for parts;

NAME	DESCRIPTION
C.CAPACITOR	CERAMIC CAPACITOR
C.CAPACITOR CH	CERAMIC CHIP CAPACITOR
E.CAPACITOR	ELECTROLYTIC CAPACITOR
G.CAPACITOR	GLASS CAPACITOR
M.CAPACITOR	MICA CAPACITOR
P.CAPACITOR	PLASTIC FILM CAPACITOR
S.CAPACITOR	SEMI-CONDUCTOR CAPACITOR
T.CAPACITOR	TANTALUM CAPACITOR
TRIMMER	TRIMMER
C.RESISTOR	CARBON RESISTOR
F.RESISTOR	FUSE RESISTOR
M.RESISTOR	METAL OXSIDE RESISTOR
M.RESISTOR CH	METAL OXSIDE CHIP RESISTOR
S.RESISTOR	SOLID RESISTOR
V.RESISTOR	VARIABLE RESISTOR
W.RESISTOR	WIRE WOUND RESISTOR
COMBI. TR-R	TRANSISTOR-RESISTOR COMBINATION PARTS
COMBI. R-R	RESISTOR-RESISTOR COMBINATION PARTS
COMBI. C-R-L	CAPACITOR-COIL COMBINATION PARTS
C.B.A.	CIRCUIT BOARD ASSEMBLY

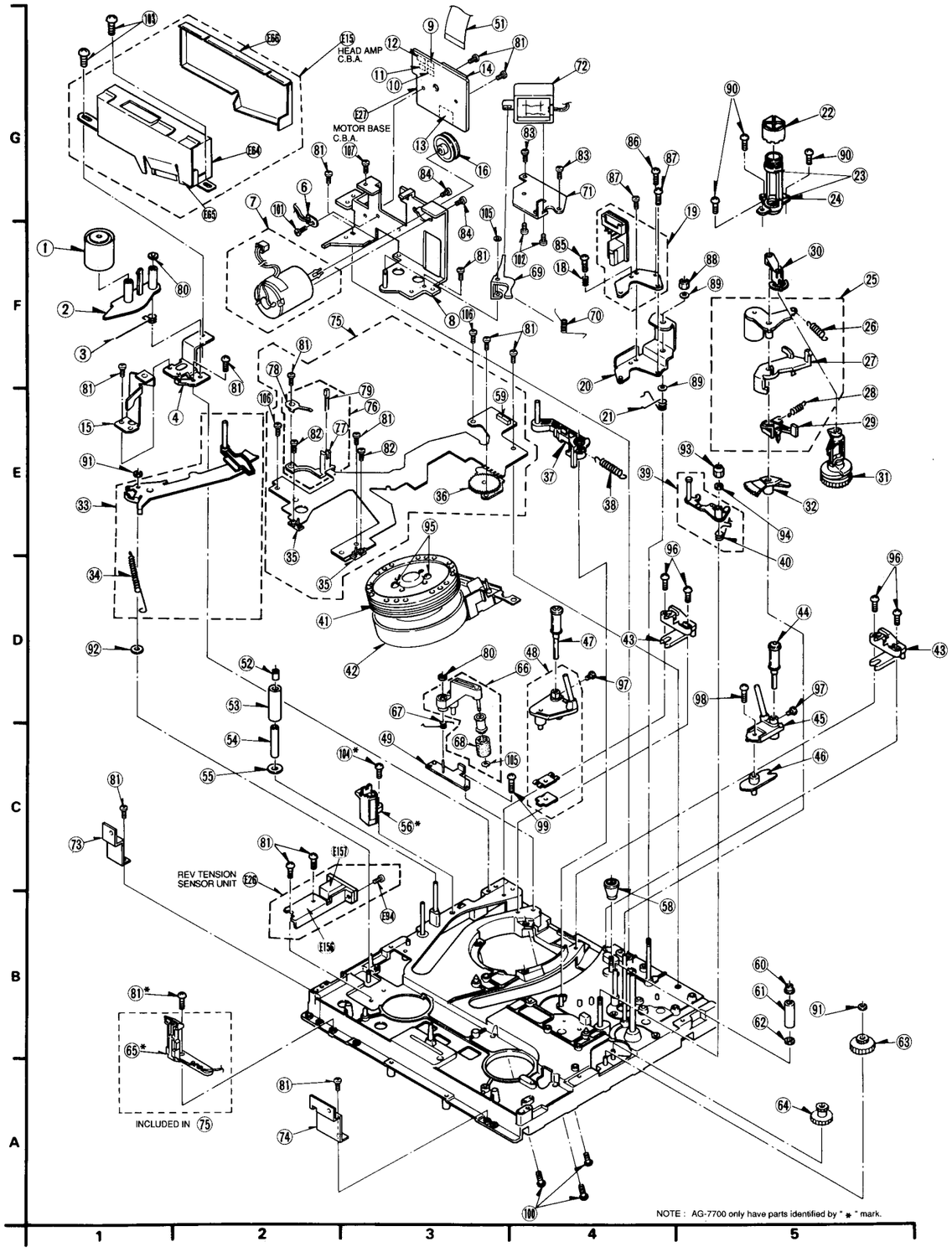
SERVICING FIXTURE & TOOLS LIST

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	VFM8080HADH	VHS ALIGNMENT TAPE	1	
	VFK0329	POST ADJ. SCREWDRIVER	1	
	VFK0132	BACK TENSION METER	1	(T2-H7-UM)
		(TENTELO METER, MADE IN U.S.A)		
	VFK1012	POST ADJ. PLATE	1	
	VFK0133	DIAL TORQUE GAUGE	1	
	VFK0180	PLASTIC CLAMPER	1	
	VFK0134	ADAPTOR	1	FOR VFK0133
	VFK0190	REEL TABLE HEIGHT GAUGE	1	
	VFK0236	TENSION POST ADJ. FIXTURE	1	
	VFK0806	TENSION SENSOR ADJ. FIXTURE	1	
	VFK0328	H-POSITION ADJ. SCREWDRIVER	1	
	VFK0330	FINE ADJ. SCREWDRIVER (3mm)	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	VFK0335	RETAINING RING REMOVER	1	(3mm / 1mm)
	VFK0326	HEX. WRENCH SET	1	
	VFK0948	CHECK LIGHT	1	
	MOR256	MOLYTONE GREASE	1	
	VFK0680	S.C.R. GREASE	1	
	VFK27	HEAD CREANING STICK	1	
	VFK0269	L-TYPE SCREWDRIVER	1	
	VFK86	FAN TYPE TENSION GAUGE	1	
	VFK0941	EXTENDER BOARD 100P	1	
	VFK0829	EXTENDER BOARD 64P	1	
	VFK0942	EXTENDER CODE 13P	1	
	VFK0685	EXTENDER CODE 40P	1	

EXPLODED VIEWS

❶ *Chassis Parts Section*



PRT—3

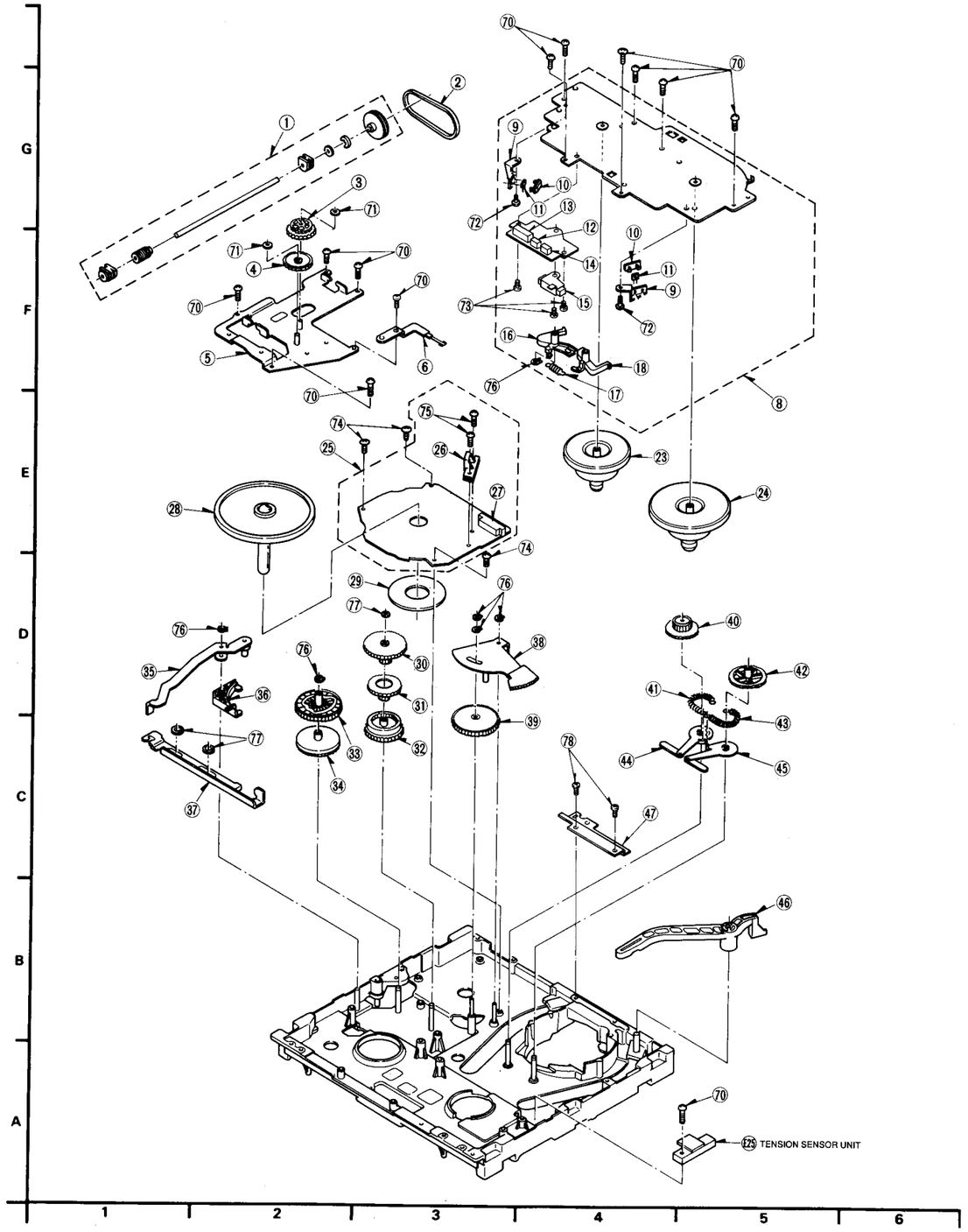
MECHANICAL REPLACEMENT PARTS LIST

1. Chassis Parts Section

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1-1	VXP1075	IMPEDANCE ROLLER UNIT	1	
1-2	VML2293	IMPEDANCE ROLLER ARM	1	
1-3	VMB1976	IMPEDANCE SPRING	1	
1-4	VMA7982	HEAD AMP ANGLE (L)	1	
1-6	VEK3185	HUMIDITY RESISTOR UNIT	1	<R>
1-7	VEM0360	LOADING MOTOR UNIT	1	<M><R><I>
1-8	VXA5151	MOTOR BASE (1) UNIT	1	
1-9	VJP1229G	CONNECTOR (2P)	1	
1-10	VJP1229T	CONNECTOR (2P)	1	
1-11	VJP1229R	CONNECTOR (2P)	1	
1-12	VJP1230R	CONNECTOR (3P)	1	
1-13	VJP3106B013	CONNECTOR (13P)	1	
1-14	VJS1493	CONNECTOR (15P)	1	
1-15	VMA8130	IMPEDANCE ROLLER SUPPORT ANGLE	1	
1-16	VDP1319	MOTOR PULLEY	1	
1-18	VMB1251	ADJUST SPRING	1	
1-19	VED0145	A/C HEAD (1) UNIT	1	<M><R>AG-7700
1-19	VED0116	A/C HEAD (1) UNIT	1	<M><R>AG-7600
1-20	VXA3649	A/C HEAD BASE UNIT	1	
1-21	VMB1567	A/C HEIGHT SPRING	1	
1-22	VXQ0094	THRUST SCREW UNIT	1	
1-23	VMX1567	OIL SEAL	2	
1-24	VXD0120	HOUSING UNIT	1	
1-25	VXL2367	PRESSURE ROLLER UNIT	1	<M><R>
1-26	VMB1977	PINCH PRESSURE SPRING	1	
1-27	VXL2368	PINCH PRESSURE ARM	1	
1-28	VMB1569	PINCH ARM SPRING	1	
1-29	VML1874	PINCH LIFT ARM	1	
1-30	VMX1353	PINCH CAM ARM	1	
1-31	VDG0577	PINCH CAM	1	
1-32	VDG0651	PINCH SECTOR GEAR	1	
1-33	VXL2089	TENSION ARM UNIT	1	
1-34	VMB1975	TENSION SPRING	1	
1-35	VSP0293	CASSETTE DETECT SW	2	
1-36	VSS0257	MODE SWITCH	1	<M><R>
1-37	VXL1857	SUB LOADING ARM (1) UNIT	1	
1-38	VMB1566	SUB POST SPRING	1	
1-39	VXL2074	P5 ARM UNIT	1	
1-40	VMB1554	P5 SPRING	1	
1-41	VEH0687	UPPER CYLINDER UNIT	1	<M><R>
1-42	VEG1109	LOWER CYLINDER UNIT	1	<M><R>
1-43	VMD0910	POST STOPPER	2	
1-44	VXP1264	ROLLER POST (1) UNIT	1	
1-45	VXA3213	INCLINED BASE (T)(1) UNIT	1	
1-46	VXA2687	INCLINED ADJUSTMENT PLATE U	1	
1-47	VXP1263	ROLLER POST (S) UNIT	1	
1-48	VXA3249KIT	INCLINED BASE (S)	1	
1-49	VXA3980	HEAD CLEANING PLATE	1	
1-51	VWJ15AW280M0	FLEXIBLE CABLE	1	
1-52	VMX1088	SUPPLY UPPER LIMITER	1	
1-53	VDP1533	SUPPLY ROLLER	1	
1-54	VMX1581	P1 COLLAR	1	
1-55	VMX1533	SUPPLY LOWER LIMITER	1	
1-56	VBS0038	FE HEAD	1	AG-7700 ONLY
1-58	VHN0110	ADJUST NUT	1	
1-59	VJS2964A013	CONNECTOR (15P)	1	
1-60	VMX1544	P4 UPPER LIMITER	1	
1-61	VMX1568	P4 SLEEVE	1	
1-62	VMX1534	P4 LOWER LIMITER	1	
1-63	VDG0664	CONNECTION GEAR	1	
1-64	VDG0483	PINCH SPEED DOWN GEAR	1	
1-65	VES0489	SAFETY SWITCH	1	AG-7700 ONLY
1-66	VXL2263	HEAD CLEANING UNIT	1	<M><R>
1-67	VMB2532	CLEANING SPRING	1	
1-68	VMT0321	HEAD CLEANING PAD	1	
1-69	VML2845	CAM LEVER	1	
1-70	VMB2672	CAM LEVER SPRING	1	
1-71	VMA8977	SOLENOID BASE	1	
1-72	VSJ0111	PINCH SOLENOID	1	
1-73	VMA6895	MOUNT PLATE (L)	1	
1-74	VMA6896	MOUNT PLATE (R)	1	
1-75	VXA5165	BEND FLEXIBLE UNIT	1	AG-7700
1-75	VXA5308	BEND FLEXIBLE UNIT	1	AG-7600
1-76	VXA3520	LED UNIT	1	
1-77	VMD0911	LED HOLDER	1	
1-78	VMB2020	EARTH SPRING	1	
1-79	GL450	LED	1	
1-80	VMX1079	CUT WASHER	2	
1-81	XTV26+6F	SCREW	15	(14):AG-7600
1-82	XTV2+4F	SCREW	2	
1-83	XYN26+K5	SCREW	2	
1-84	XSN3+3.5	SCREW	2	
1-85	VHD0322	SCREW	1	
1-86	VHD0089B	SCREW	1	
1-87	XSN3D6FZ	SCREW	2	
1-88	VHN0063	M4 NYLON NUT	1	
1-89	XWE4	M4 NYLON WASHER	2	
1-90	VHD0374	SCREW	3	
1-91	VMX0653	CUT WASHER	2	
1-92	XWGV3D6G	POLLY SLIDER WASHER	1	
1-93	VHD0045	M3 NYLON NUT	1	
1-94	XWE3VW	M3 WASHER	1	
1-95	VHD0425	SCREW	2	
1-96	XTV26+10F	SCREW	4	
1-97	VHD0133	SCREW	2	
1-98	XYN26+F6FZ	SCREW	1	
1-99	XTN3+6F	SCREW	1	
1-100	VHD0342	SCREW	3	
1-101	XTV2+6J	SCREW	1	
1-102	XYN26+C4	SCREW	2	
1-103	XTW3+8TR	SCREW	2	
1-104	XTV26+8F	SCREW	1	AG-7700 ONLY
1-105	VMX0653	CUT WASHER	11	
1-106	XTV26+4F	SCREW	2	
1-107	XYE3+EF8R	SCREW	1	

PRT—4

❷ *Moving Parts Section*



PRT—5

2. Moving Parts Section

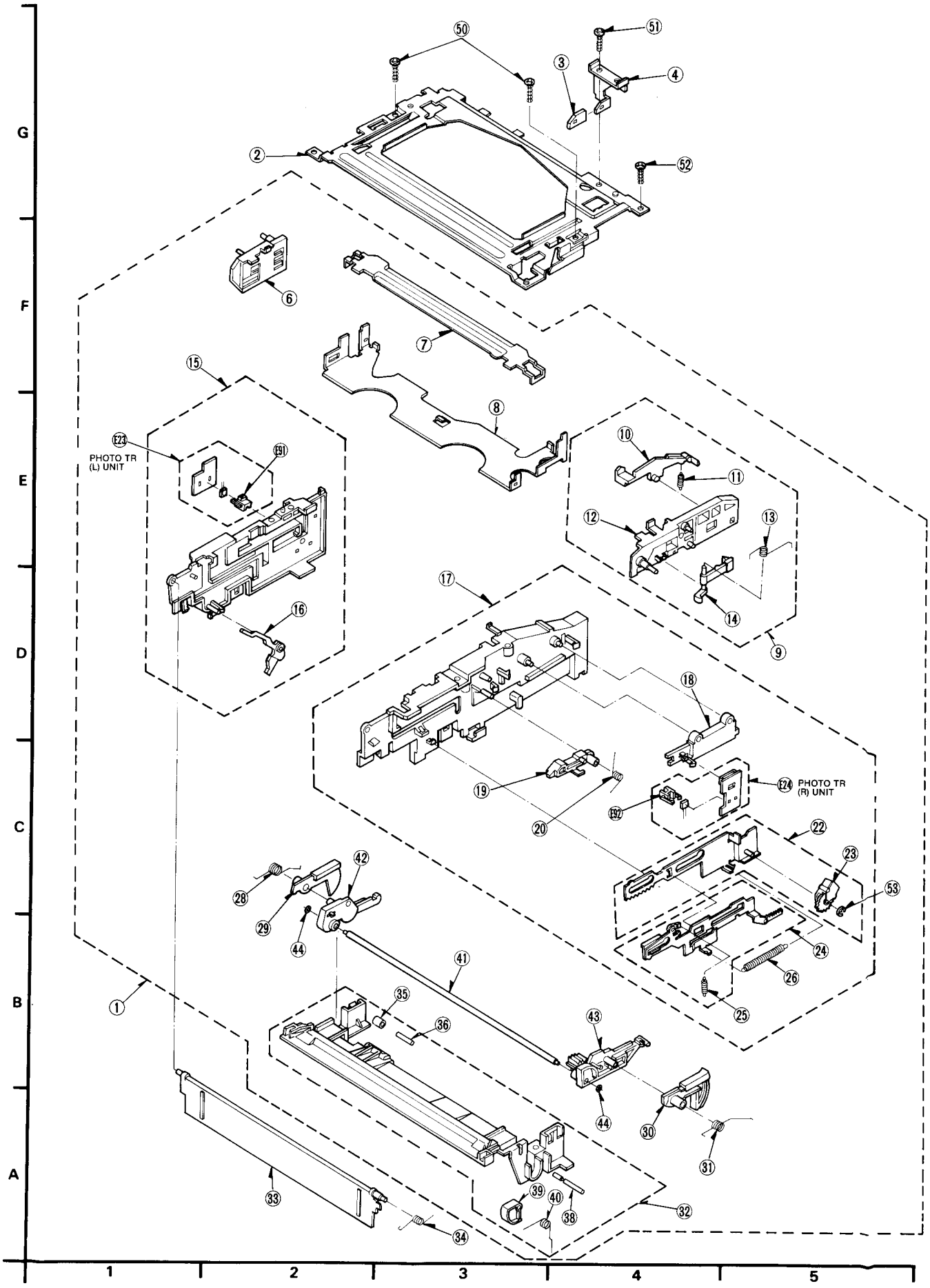
Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
2-1	VXP1082	WORM SHAFT UNIT	1	
2-2	VDV0228	LOADING BELT	1	<M><R>
2-3	VDG0581	WORM WHEEL	1	
2-4	VDG0582	INTERMEDIATE GEAR	1	
2-5	VXA3646	GEAR BASE (1) UNIT	1	
2-6	VXS0098	EARTH SPRING UNIT	1	
2-8	VXA4839	STATOR BASE UNIT	1	
2-9	VMD0611	FG SUPPORT (1)	2	
2-10	VMD0621	FG SUPPORT (2)	2	
2-11	HW-300B	HOLE IC	2	<R>
2-12	VJP1230R	CONNECTOR (3P)	1	
2-13	VJP3202A008Z	CONNECTOR (8P)	1	
2-14	VJP1230T	CONNECTOR (3P)	1	
2-15	VSJ0066	SOLENOID	1	<!>
2-16	VXZ0270	MAIN BRAKE (S) UNIT	1	<R>
2-17	VMB1978	BRAKE SPRING	1	
2-18	VXZ0314	MAIN BLAKE (T) UNIT	1	<R>
2-23	VXR0187	TAKEUP REEL TABLE UNIT	1	<R>
2-24	VXR0225	SUPPLY REEL TABLE UNIT	1	<R>
2-25	VEK6553	STATOR UNIT	1	
2-26	VBK0063	MR HEAD	1	<R>
2-27	VJP1902	CONNECTOR	1	
2-28	VXP1456	ROTOR UNIT	1	
2-29	VMA6847	SUB PLATE	1	
2-30	VDG0580	CENTER GEAR	1	
2-31	VXP0878	RETAINER GEAR UNIT	1	
2-32	VDG0342	RING GEAR	1	
2-33	VDG0578	MAIN CAM GEAR	1	
2-34	VDG0343	SUB CAM GEAR	1	
2-35	VXL1895	CAM FOLLOWER ARM UNIT	1	
2-36	VML1861	DETENT ARM	1	
2-37	VMM0218	MAIN ROD	1	
2-38	VXA3144	SECTOR GEAR UNIT	1	
2-39	VDG0579	LOADING CAM GEAR	1	
2-40	VDG0420	LOADING GEAR (T)	1	
2-41	VMB1555	LOADING SPRING (T)	1	
2-42	VDG0593	LOADING GEAR (S)	1	
2-43	VMB1746	LOADING SPRING (S)	1	
2-44	VXL1489	LOADING ARM (T)(1) UNIT	1	
2-45	VXL1487	LOADING ARM (S)(1) UNIT	1	
2-46	VML2304	CLEANING ROD	1	
2-47	VMA8003	MOUNT PLATE (B)	1	
2-70	XTV26+6F	SCREW	12	
2-71	VMX0653	CUT WASHER	2	
2-72	XYN2+F5	SCREW	2	
2-73	XSN26+4	SCREW	3	
2-74	XYEV0004	SCREW	3	
2-75	XYNV0015	SCREW	2	
2-76	XUEV3VW	CAT WASHER	6	
2-77	VMX1079	CUT WASHER	3	
2-78	XTV3+8F	SCREW	2	

3. Cassette Compartment Section

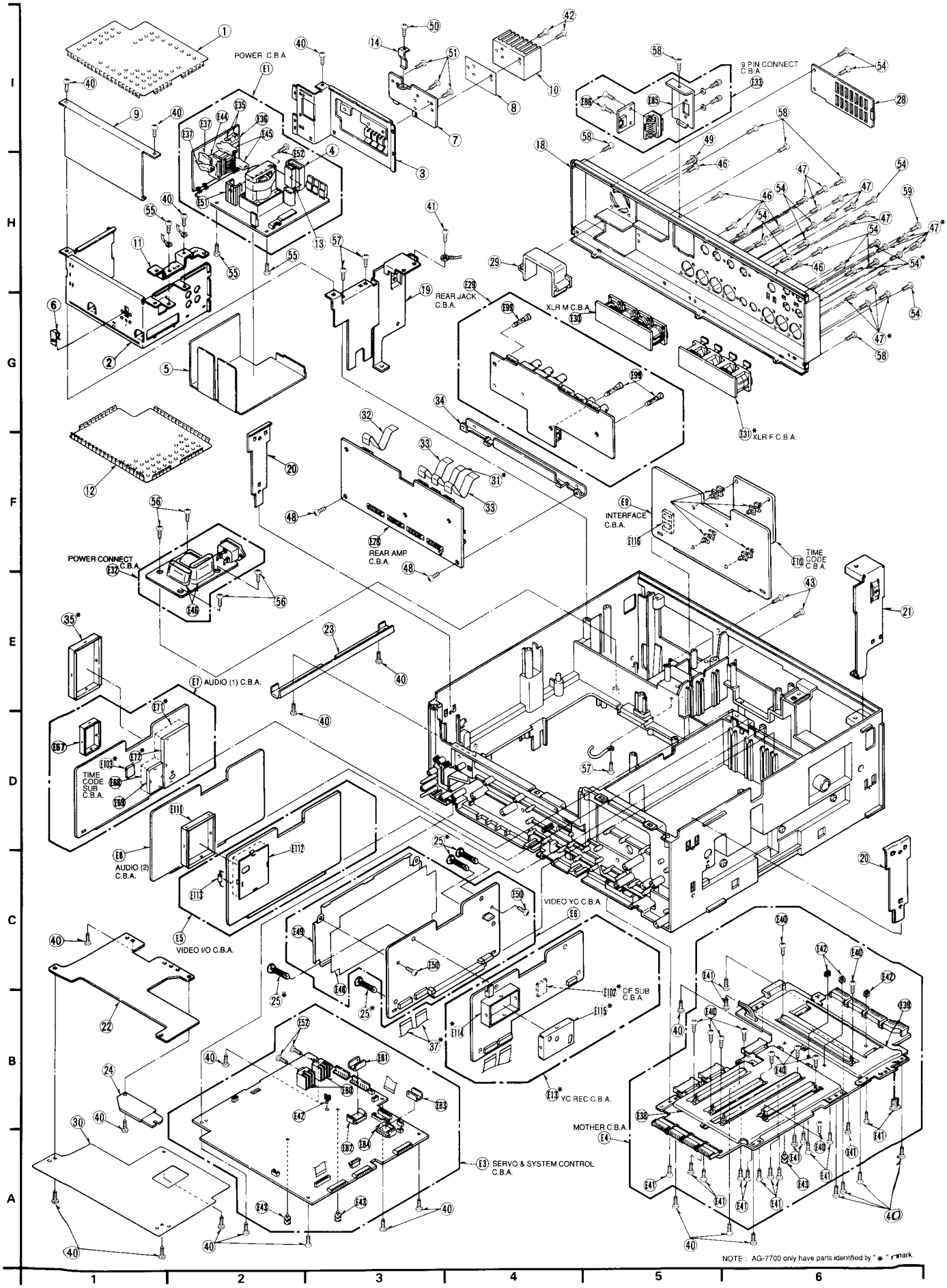
Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
3-1	VXA4504	CASSETTE COMPERTMENT UNIT	1	<R>
3-2	VMA8166	TOP PLATE	1	
3-3	VMD1384	CASSETTE HOLDER CAP	1	
3-4	VMA7992	CASSETTE HOLDER ANGLE	1	
3-6	VMD1387	HOLDER GUIDE (L)	1	
3-7	VXA3691	HOLDER ANGLE UNIT	1	
3-8	VMA7989	CASSETTE HOLDER	1	
3-9	VXA3692	HOLDER GUIDE (R) UNIT	1	
3-10	VML1882	DOOR OPEN LEVER	1	
3-11	VMB1584	DOOR OPEN LEVER SPRING	1	
3-12	VMD1386	HOLDER GUIDE (R)	1	
3-13	VMB2063	RELEASE SPRING	1	
3-14	VML2306	RELEASE LEVER	1	
3-15	VXA3694	SIDE PLATE (L) UNIT	1	
3-16	VML2305	OPENER LEVER	1	
3-17	VXA3693	SIDE PLATE (R) UNIT	1	
3-18	VSS0258	SLIDE SWITCH	1	<R>
3-19	VML2288	DOWN SUPPORT LEVER	1	
3-20	VMB1961	DOWN SUPPORT SPRING	1	
3-22	VXA3696	MAIN RACK UNIT	1	
3-23	VDG0737	DAMPER	1	
3-24	VXA3697	SUB RACK UNIT	1	
3-25	VMB1780	RACK C SPRING	1	
3-26	VMB1997	CLUTCH SPRING	1	
3-28	VMB1999	SUB WIPER SPRING (L)	1	
3-29	VML1878	SUB WIPER ARM (L)	1	
3-30	VML1879	SUB WIPER ARM (R)	1	
3-31	VMB1998	SUB WIPER SPRING (R)	1	
3-32	VXA4500	CASSETTE GUIDE UNIT	1	
3-33	VKF1464	BLINDER PANEL	1	
3-34	VMB1258	BLINDER SPRING	1	
3-35	VDP1398	CASSETTE ROLLER	1	
3-36	VMS5505	ROLLER SHAFT	1	
3-38	VMS4644	SHAFT	1	
3-39	VMD1773	CASSETTE SUPPORT	1	
3-40	VMB2329	SUPPORT SPRING	1	
3-41	VMS3182	MAIN SHAFT	1	
3-42	VML1876	WIPER ARM (L)	1	
3-43	VML1877	WIPER ARM (R)	1	
3-44	VHN0068	STOPPING WASHER	2	
3-50	XTV26+8G	SCREW	2	
3-51	XTV26+6F	SCREW	1	
3-52	XTV3+8G	SCREW	1	
3-53	XUC25FP	E RING	1	

PRT—6

❸ *Cassette Compartment Section*



❹ Chassis & Frame Section



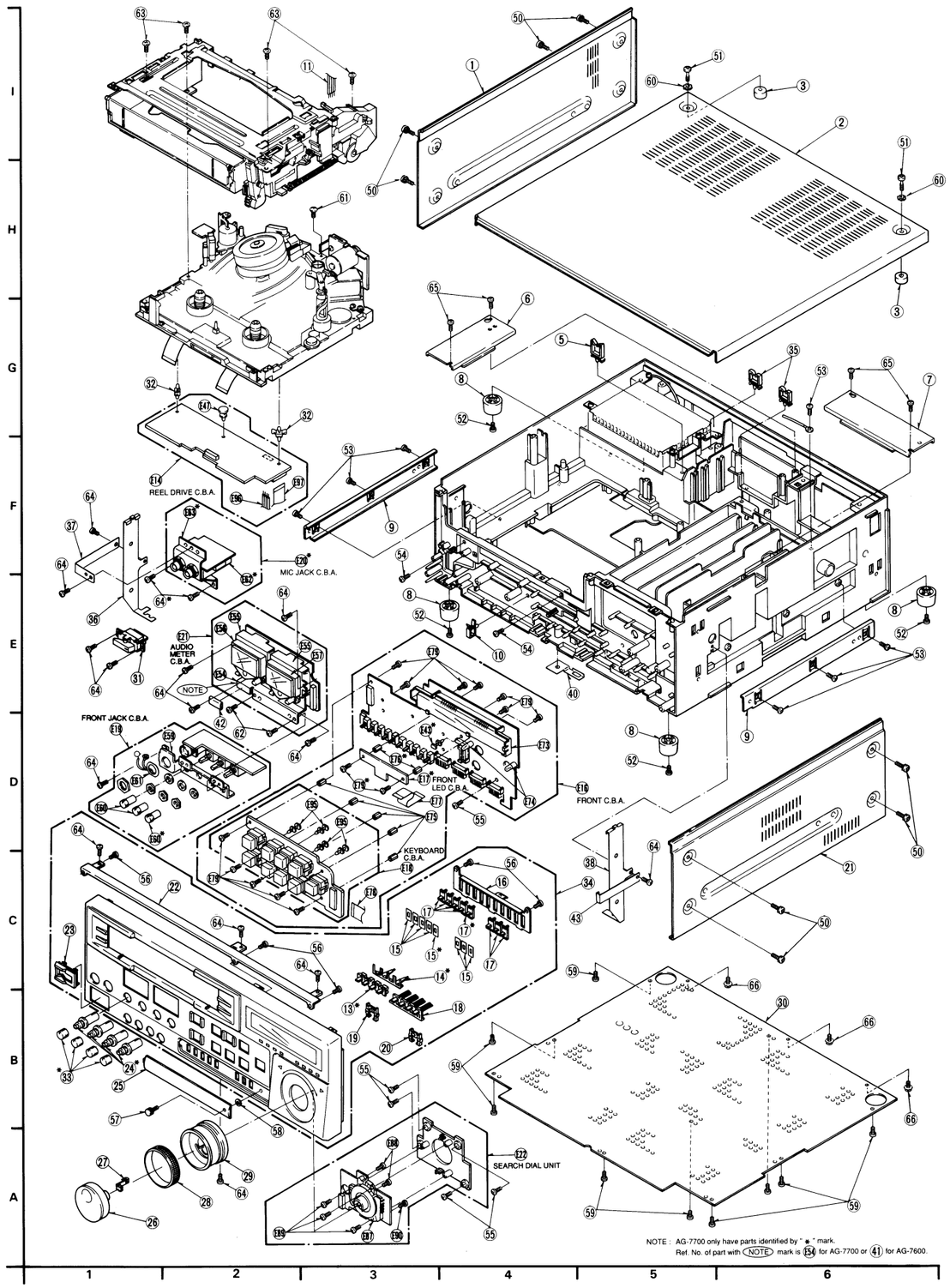
4. Chassis & Frame Section

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
4-1		VSC3961	POWER UNIT SHIELD CASE (UPPER)	1	
4-2		VSC3963	POWER SHIELD CASE (MIDDLE (A))	1	
4-3		VSC3964	POWER SHIELD CASE (MIDDLE (B))	1	
4-4		VWZ0106	INSULATION TUBE	1	
4-5		VMZ2224	INSULATION SHEET	1	
4-6		VMC0357	TR SPRING	1	
4-7		VSC3965	POWER SHIELD PLATE	1	
4-8		VMT0534	INSULATION SHEET	1	
4-9		VSC4195	POWER SHIELD SHEET	1	
4-10		VSC3966	HEAT SINK	1	
4-11		VMP2669	POWER EARTH ANGLE	1	
4-12		VSC3962	POWER SHIELD CASE (LOWER)	1	
4-13		VMZ2187	INSULATION TUBE	1	
4-14		VMP3083	TR HOLDER	1	
4-16		VJH0632	C.B. HOLDER	4	
4-18		VJH0792	REAR JACK PLATE	1	AG-7700
4-18		VJH0793	REAR JACK PLATE	1	AG-7600
4-19		VMP3221	TOP ANGLE (LEFT)	1	
4-20		VXA4649	SIDE ANGLE UNIT	2	
4-21		VMP3222	TOP ANGLE (RIGHT)	1	
4-22		VMP3216	MECHANISM SHIELD PLATE	1	
4-23		VMP3232	POWER CORD SHIELD ANGLE	1	
4-24		VMP3750	SUPPORT ANGLE	1	
4-25		VMX2078	P.C.B. HOLDER	4	AG-7700 ONLY
4-28		VMP4525	HEAT SINK COVER	1	
4-29		VGF0507	AC INLET GUARD	1	
4-30		VSC4186	MECHANISM SHIELD SHEET	1	
4-31		VWJ08AW070M0	FLEXIBLE CABLE	1	AG-7700 ONLY
4-32		VWJ10AW070M0	FLEXIBLE CABLE	1	
4-33		VWJ12AW070M0	FLEXIBLE CABLE	2	
4-34		VMP4224	REAR AMP ANGLE	1	
4-35		VSC3970	SHIELD COVER (UPPER)	1	AG-7700 ONLY
4-37		VWJ18XW040L0	FLEXIBLE CABLE	2	AG-7700 ONLY
4-40		XTV3+10JFR	SCREW	23	
4-41		XYE4+EF6	SCREW	1	
4-42		XYN26+C12FZ	SCREW	2	
4-43		XSB3+10FZ	SCREW	2	
4-46		XTV3+8GFZ	SCREW	6	(5):AG-7600
4-47		XSN26+6FZ	SCREW	16	(8):AG-7600
4-48		XTV3+8FFR	SCREW	2	
4-49		VHD0426	SCREW	1	
4-50		XYN3+C8	SCREW	1	
4-51		XTS3+8F	SCREW	3	
4-54		XTV3+8FFZ	SCREW	15	(12):AG-7600
4-55		XYE3+EF8FR	SCREW	4	
4-56		XTW3+10TFR	SCREW	4	
4-57		XTV3+10J	SCREW	3	
4-58		XYE3+EF8FZ	SCREW	6	
4-59		XYE3+EF12FZ	SCREW	1	

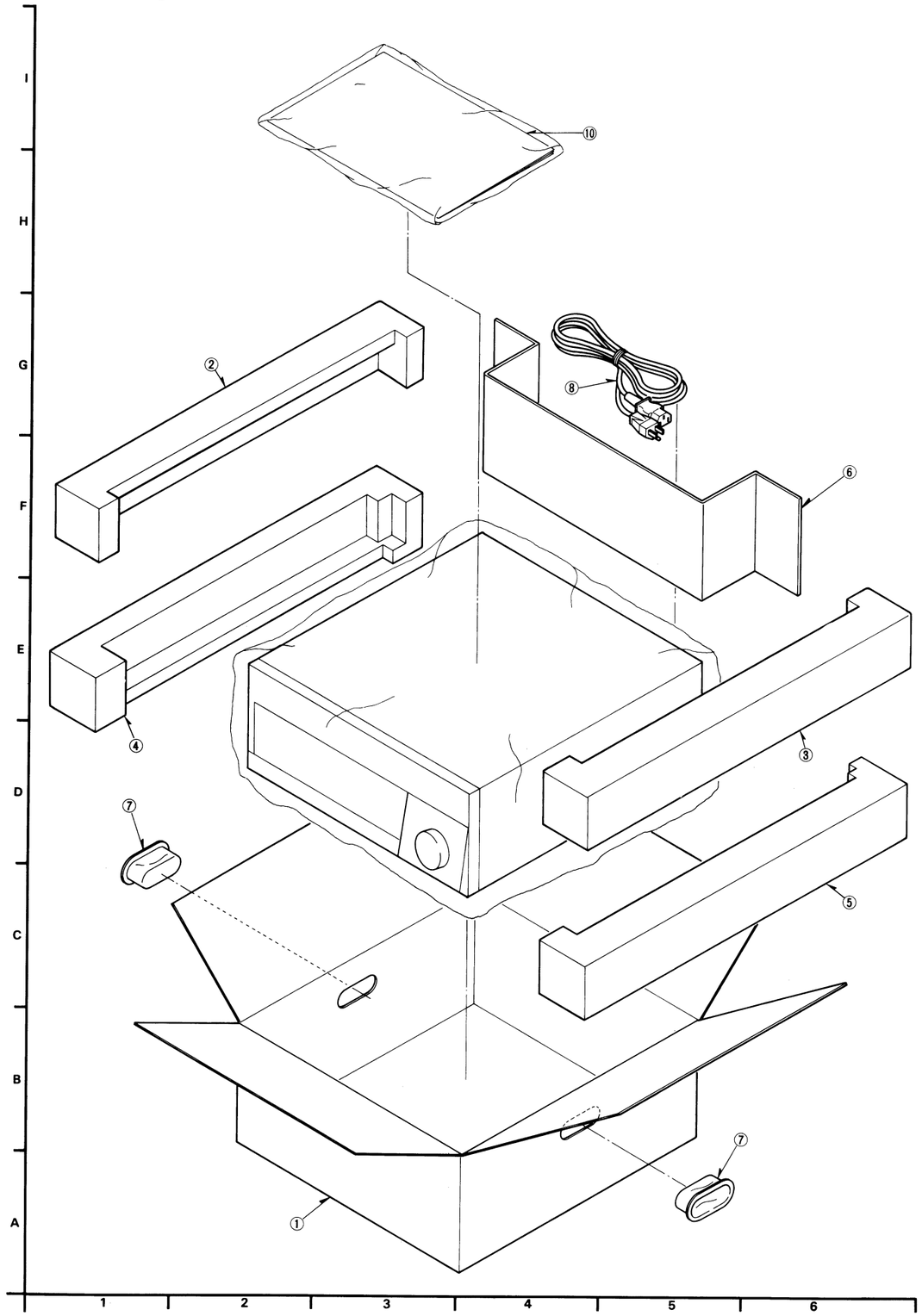
5. Casing Parts Section

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
5-1		VGM1048	SIDE PANEL (LEFT)	1	
5-2		VGM1114	TOP PANEL	1	
5-3		VMX2248	TOP PANEL SPACER	2	
5-5		VJF0004	MINI CLAMPER	1	
5-6		VMP4225	C.B. HOLDER (1)	1	
5-7		VMP4226	C.B. HOLDER (2)	1	
5-8		VKA0117	RUBBER FOOT	4	
5-9		VXA4551	SUPPORT ANGLE UNIT	2	
5-10		VJF0013	MINI CLAMPER	1	
5-11		VWJ04CN150CA	FLAT CABLE	1	
5-13		VGU6485	OPERATION BUTTON	4	AG-7700 ONLY
5-14		VKC0423	OPERATION BUTTON HOLDER	1	AG-7700 ONLY
5-15		VGF0508	SLIDE KNOB SHEET	8	(7):AG-7600
5-16		VMP3226	KNOB HOLD ANGLE	1	
5-17		VGU5603	SLIDE KNOB	8	(7):AG-7600
5-18		VGU6483	COUNTER BUTTON	1	
5-19		VGL0508	REV. PANELIGHT	1	
5-20		VGL0506	FWD PANELIGHT	1	
5-21		VGM1049	SIDE PANEL (RIGHT)	1	
5-22		VMP3225	FRONT SUPPORT ANGLE	1	
5-23		VKW1501	POWER SWITCH COVER	1	
5-24		VGU6482	VR KNOB	4	AG-7700 ONLY
5-25		VKW1839	OPERATION AREA COVER	1	
5-26		VGU4604	JOG DIAL KNOB	1	
5-27		VMC0444	KNOB SPRING	1	
5-28		VMG0476	SEARCH DIAL RUBBER	1	
5-29		VGU4605	SERCH DIAL KNOB	1	
5-30		VKM2737	BOTTOM PLATE	1	
5-31		VES0698	POWER SWITCH UNIT	1	
5-32		VJF0726	C.B. SUPPORT	2	
5-33		VMG0477	VR KNOB CAP	4	AG-7700 ONLY
5-34		VYP5720	FRONT PANEL UNIT	1	AG-7700
5-34		VYP5721	FRONT PANEL UNIT	1	AG-7600
5-35		VJF0004	MINI CLAMPER	2	
5-36		VMP3648	EARTH PLATE (LEFT)	1	
5-37		VMP3650	MIC EARTH PLATE	1	
5-38		VMP3649	EARTH PLATE (RIGHT)	1	
5-39		VMC1039	FRONT EARTH SPRING	2	
5-40		VSC4094	SHIELD PLATE	1	
5-41		VMP3282	METER ANGLE	1	AG-7600 ONLY
5-42		VMT0509	CONDUCTIVE CUSHION	1	
5-43		VMP4424	EARTH PLATE HOLDER	1	
5-50		VHD0426	SCREW	8	
5-51		VHD0222	SCREW	2	
5-52		XTV3+16G	SCREW	4	
5-53		XTV3+10J	SCREW	7	
5-54		XTV4+8F	SCREW	2	
5-55		XTV4+10JFR	SCREW	5	
5-56		XTV3+8J	SCREW	5	
5-57		VHD0679	SCREW	1	
5-58		VMX1558	STOPPING WASHER	1	
5-59		VHD0059	SCREW	9	
5-60		XWC4BFY	WASHER (M4)	2	
5-61		XTV4+12J	SCREW	1	
5-62		XTV3+8F	SCREW	2	
5-63		XTV26+8FR	SCREW	4	
5-64		XTV3+10JFR	SCREW	16	(14):AG-7600
5-65		XYN3+8FR	SCREW	4	
5-66		XYE3+EF6	SCREW	3	

❺ *Casing Parts Section*



❻ *Packing Parts Section*



PRT—11

6. Packing Parts Section

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
6-1	VPG7723	PACKING CASE	1	AG-7700
6-1	VPG7724	PACKING CASE	1	AG-7600
6-2	VPN3799	CUSHION (LEFT TOP)	1	
6-3	VPN3801	CUSHION (RIGHT TOP)	1	
6-4	VPN3802	CUSHION (LEFT BOTTOM)	1	
6-5	VPN3803	CUSHION (RIGHT BOTTOM)	1	
6-6	VPN3899	PAD	1	
6-7	VPF0149	HANDLE	1	
6-8	VJA0746	POWER CORD	1	
6-8	VJA0738	POWER CORD	1	
6-10	VQT5889	OPERATING INSTRUCTIONS	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

PRT—12

ELECTRICAL REPLACEMENT PARTS LIST

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
E9	VEP06903B	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		INTERFACE		
E10	VEP06913C	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		TIMECODE		AG-7700E
E10	VEP06913D	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		TIMECODE		AG-7600E
E13	VEP03B42A	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		VIDEO REC		AG-7700E ONLY
E102	VEP00V96A	P.C.BOARD W/COMPONENT	1	FOR VEP03B42A
		CF SUB		
E6	VEP03B44A	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		VIDEO YC		AG-7700E
E6	VEP03B44B	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		VIDEO YC		AG-7600E
E1	VEP01609A	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		POWER (1)		
E21	VEP04328A	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		METER VR		AG-7700E
E21	VEP04328B	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		METER VR		AG-7600E
E19	VEP04418C	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		FRONT JACK		AG-7700E
E19	VEP04418D	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		FRONT JACK		AG-7600E
E4	VEP00V07A	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		MOTHER		AG-7700E
E4	VEP00V07B	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		MOTHER		AG-7600E
E32	VEP01478C	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		POWER CONNECTOR		
E14	VEP02417A	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		REEL DRIVE		
E5	VEP03B43A	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		VIDEO I/O		AG-7700E
E5	VEP03B43B	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		VIDEO I/O		AG-7600E
E20	VEP04419A	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		MIC JACK		AG-7700E ONLY
E7	VEP04420C	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		AUDIO (1)		AG-7700E
E103	VEP00W09A	P.C.BOARD W/COMPONENT	1	FOR VEP04420C
		TIMECODE SUB		
E7	VEP04420D	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		AUDIO (1)		AG-7600E
E8	VEP04421C	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		AUDIO (2)		AG-7700E
E8	VEP04421D	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		AUDIO (2)		AG-7600E
E15	VEP05162K	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		HEAD AMP		AG-7700E
E15	VEP05162L	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		HEAD AMP		AG-7600E

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
E16	VEP06902E	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		FRONT		AG-7700E
E17	VEP06929A	P.C.BOARD W/COMPONENT	1	FOR VEP06902E
		FRONT LED		
E18	VEP06962A	P.C.BOARD W/COMPONENT	1	FOR VEP06902E
		KEY BOARD		
E16	VEP06902F	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		FRONT		AG-7600E
E18	VEP06962B	P.C.BOARD W/COMPONENT	1	FOR VEP06902F
		KEY BOARD		
E3	VEP06904C	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		SERVO SYSCON		AG-7700E
E3	VEP06904D	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		SERVO SYSCON		AG-7600E
E30	VEP04424A	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		XLR M		
E31	VEP04425A	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		XLR F		AG-7700E ONLY
E33	VEP06906A	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		9P IN REMOTER		
E28	VEP06908C	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		REAR AMP		AG-7700E
E28	VEP06908D	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		REAR AMP		AG-7600E
E29	VEP06909C	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		REAR JACK		AG-7700E
E29	VEP06909D	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		REAR JACK		AG-7600E
E25	VEK2567	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		TENSION SENSOR UNIT		
E26	VEK4265	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		REV TENSION SENSOR UNIT		
E24	VEK4058	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		PHOTO TR (R) UNIT		
E23	VEK3578	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		PHOTO TR (L) UNIT		
E27	VEK6633	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		MOTOR BASE		
E22	VEK5556	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		SEARCH DIAL UNIT		

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VEP06903B	P.C.BOARD W/COMPONENT		
		INTERFACE		
		CAPACITORS		
C61001	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C61002,03	ECUM1H150JCN	C.CAPACITOR CH 50V 15P	2	
C61004	ECEA0JU101	E.CAPACITOR 6.3V 100U	1	
C61005-07	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C61008	ECEA0JU471	E.CAPACITOR 6.3V 470U	1	
C61009,10	ECUM1H680JCN	C.CAPACITOR CH 50V 68P	2	
C61011	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C61012	ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C61013	ECEA1HU3R3	E.CAPACITOR 50V 3.3U	1	
C61014	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C61015	ECEA0JU101	E.CAPACITOR 6.3V 100U	1	
C61016-21	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	6	
C61026-29	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C61030	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C61031,32	ECEA0JU470	E.CAPACITOR 6.3V 47U	2	
C61049-51	ECEA1CU100	E.CAPACITOR 16V 10U	3	
C61052	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C61053	ECEA1CU100	E.CAPACITOR 16V 10U	1	
C61054	ECUM1H390JCN	C.CAPACITOR CH 50V 39P	1	
D61001-04	1lEQS04	DIODE	4	<R>
FL61001	VLF1016A470	FILTER	1	
FL61004	VLF0634	FILTER	1	
IC61001	HD641180XF6	IC	1	<R>
IC61002	VSI1403G	IC	1	<R>
IC61003	X22C12P	IC	1	<R>
IC61004	UPD65012FA19	IC	1	<R>
IC61005	TL7705CPSB	IC	1	<R>
IC61006	MC74HC4538A	IC	1	
IC61007	MC74HC32AF	IC	1	<R>
IC61008	TC7W00F	IC	1	<R>
IC61009	TC7W04F	IC	1	<R>
IC61010	MC74HC14AF	IC	1	<R>
IC61011	MC34051M	IC	1	<R>
IC61013	MC74HC541AF	IC	1	
IC61014	MC74HC245AF	IC	1	<R>
IC61015	MC74HC541AF	IC	1	
IC61016	MC74HC138AF	IC	1	<R>
IC61017	MB89363BPF	IC	1	<R>
IC61023	NJM2233BMA	IC	1	<R>
L61001	VLQEL05S470J	COIL 47UH	1	
L61002	VLQ0067	COIL	1	
L61003,04	VLP0054	COIL	2	
L61006	VLP0017	COIL	1	
L61007	VLQEL05S470J	COIL 47UH	1	
P61001	VJP3176B100	CONNECTOR (MALE)	1	
P61002	VJP3076	CONNECTOR (MALE)	1	
P61003	VJS3406D024	CONNECTOR (FEMALE)	1	
P61004	VJS3505C060	CONNECTOR (FEMALE)	1	
P61010	VJP3088	CONNECTOR (MALE)	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q61001	MSB709-R	TRANSISTOR	1	<R>
Q61002,03	MSD601-R	TRANSISTOR	2	<R>
		RESISTORS		
R61001,02	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	2	
R61003,04	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	2	
R61005,06	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	2	
R61007-12	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	6	
R61014-30	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	17	
R61032,33	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R61034	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R61035	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R61036,37	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	2	
R61038-47	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	10	
R61048,49	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	2	
R61050	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R61051-55	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	5	
R61056-63	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	8	
R61064	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R61065	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R61066-92	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	27	
R61107-13	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	7	
R61114-21	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	8	
R61122-37	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	16	
R61140-58	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	19	
R61160-79	ERJ6GEYJ331	M.RESISTOR CH1/10W 330	20	
R61183	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R61184	ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R61185	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R61186	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R61187	ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R61188	ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R61189	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R61190	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R61191	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R61193-97	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	5	
X61001	VSX0373	CRYSTAL OSCILLATOR	1	<R>
		MISCELLANEOUS		
E116	VJS2336A028	IC SOCKET	1	
	VEP06913C	P.C.BOARD W/COMPONENT		AG-7700E
		TIMECODE		
		CAPACITORS		
C68001,02	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C68003	ECEV1HVR22Q	E.CAPACITOR 50V 0.22U	1	
C68004,05	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
C68006-09	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C68010,11	ECUM1H150JCN	C.CAPACITOR CH 50V 15P	2	
C68012-16	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	5	
C68017	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C68018	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C68019	ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C68020	ECEV1CV100Q	E.CAPACITOR 16V 10U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C68021-27	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	7	
C68028	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C68029,30	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C68031	ECUM1H050CCN	C.CAPACITOR CH 50V 5P	1	
C68032	ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C68033	ECUM1H060DCN	C.CAPACITOR CH 50V 6P	1	
C68034	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C68035	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C68036	ECEV1HV2R2Q	E.CAPACITOR 50V 2.2U	1	
C68037	ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C68038,39	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C68040	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C68041	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C68042	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C68043	ECHU1C102JA5	P.CAPACITOR 16V 1000P	1	
C68044	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C68045	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C68046	ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C68047	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C68048	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
D68001-05	MA151K	DIODE	5	<R>
IC68001	UPD78220GJ	IC	1	<R>
IC68002	MN51040VPI	IC	1	<R>
IC68003	MB8421-90LPF	IC	1	<R>
IC68004	M51951AML	IC	1	<R>
IC68005,06	MC74HC32AF	IC	2	<R>
IC68007	MC74HC04AF	IC	1	<R>
IC68008	MC74HC32AF	IC	1	<R>
IC68009	MC74HC373AF	IC	1	<R>
IC68011	MC74HC4053F	IC	1	<R>
IC68012	AN1319S	IC	1	<R>
IC68013,14	MC74HC4053F	IC	2	<R>
IC68015	TC74HC221AF	IC	1	<R>
IC68016	AN6912S	IC	1	<R>
IC68017	UPD65005X436	IC	1	<R>
IS68010	VJS3427X028	CONNECTOR (FEMALE)	1	
IS68010	VSI1404C	IC	1	
L68001	VLQ0319K221	COIL 220UH	1	
P68001	VJP3507C060	CONNECTOR (MALE)	1	
Q68001	MSB709-R	TRANSISTOR	1	<R>
		RESISTORS		
R68001-03	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	3	
R68004	ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R68005,06	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R68007	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R68008	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R68009	ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R68010	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R68011,12	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	2	
R68013	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R68014	ERJ6GEYJ224	M.RESISTOR CH1/10W 220K	1	
R68015,16	ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	2	
R68017	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R68018	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R68019	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R68020	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R68021	ERJ6GEYJ394	M.RESISTOR CH1/10W 390K	1	
R68022	ERJ6GEYG132	M.RESISTOR CH1/10W 1.3K	1	
R68023	ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R68024,25	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	2	
R68026	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R68027	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R68028	ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R68029	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R68030	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R68031	ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R68032	VRE0034E202	M.RESISTOR CH 1/10W 2K	1	
R68033	VRE0034E103	M.RESISTOR CH 1/10W 10K	1	
R68034	VRE0034E183	M.RESISTOR CH 1/10W 18K	1	
R68035	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R68037	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R68038	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R68039	ERJ6GEYG103	M.RESISTOR CH1/10W 10K	1	
R68040	ERJ6GEYG331	M.RESISTOR CH1/10W 330	1	
R68041	ERJ6GEYJ224	M.RESISTOR CH1/10W 220K	1	
R68042,43	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R68044	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R68045	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R68046,47	ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	2	
R68048	ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R68049	ERJ6GEYJ393	M.RESISTOR CH1/10W 39K	1	
R68050	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
SW68001	VSS0342	SWITCH	1	<R>
VR68001	VRV0161B203	V.RESISTOR 20K	1	
W68001	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
W68004,05	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
W68008	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
W68010	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
W68012-17	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	6	
X68001	VSX0499	CRYSTAL OSCILLATOR	1	<R>
X68002	VSX0498	CRYSTAL OSCILLATOR	1	<R>
X68003	VSX0615	CRYSTAL OSCILLATOR	1	<R>
	VEP06913D	P.C.BOARD W/COMPONENT TIMECODE		AG-76OE
		CAPACITORS		
C68001,02	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C68003	ECEV1HVR22Q	E.CAPACITOR 50V 0.22U	1	
C68004,05	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
C68006-09	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C68010,11	ECUM1H150JCN	C.CAPACITOR CH 50V 15P	2	
C68012-16	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	5	
C68017	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C68018	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C68019	ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C68020	ECEV1CV100Q	E.CAPACITOR 16V 10U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C68021-27	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	7	
C68028	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C68029,30	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C68034	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C68035	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C68037	ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C68038,39	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C68040	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C68046	ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C68047	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C68048	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
D68001,02	MA151K	DIODE	2	<R>
D68004,05	MA151K	DIODE	2	<R>
IC68001	UPD78220GJ	IC	1	<R>
IC68002	MN51040VPI	IC	1	<R>
IC68003	MB8421-90LPF	IC	1	<R>
IC68004	M51951AML	IC	1	<R>
IC68005,06	MC74HC32AF	IC	2	<R>
IC68007	MC74HC04AF	IC	1	<R>
IC68008	MC74HC32AF	IC	1	<R>
IC68009	MC74HC373AF	IC	1	<R>
IC68011	MC74HC4053F	IC	1	<R>
IC68012	AN1319S	IC	1	<R>
IC68013,14	MC74HC4053F	IC	2	<R>
IC68016	AN6912S	IC	1	<R>
IS68010	VJS3427X028	CONNECTOR (FEMALE)	1	
IS68010	VSI1404C	IC	1	
P68001	VJP3507C060	CONNECTOR (MALE)	1	
		RESISTORS		
R68001-03	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	3	
R68004	ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R68005,06	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R68007	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R68008	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R68009	ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R68010	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R68011,12	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	2	
R68013	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R68014	ERJ6GEYJ224	M.RESISTOR CH1/10W 220K	1	
R68018	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R68019	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R68020	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R68021	ERJ6GEYJ394	M.RESISTOR CH1/10W 390K	1	
R68022	ERJ6GEYG132	M.RESISTOR CH1/10W 1.3K	1	
R68023	ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R68024,25	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	2	
R68026	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R68027	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R68028	ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R68029	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R68030	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R68031	ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R68038	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R68039	ERJ6GEYG103	M.RESISTOR CH1/10W 10K	1	
R68040	ERJ6GEYG331	M.RESISTOR CH1/10W 330	1	
R68041	ERJ6GEYJ224	M.RESISTOR CH1/10W 220K	1	
R68042,43	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R68044	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R68045	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R68046,47	ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R68048	ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R68050	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
W68001	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
W68004,05	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
W68008	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
W68010	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
W68012-17	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	6	
X68001	VSX0499	CRYSTAL OSCILLATOR	1	<R>
X68002	VSX0498	CRYSTAL OSCILLATOR	1	<R>
X68003	VSX0615	CRYSTAL OSCILLATOR	1	<R>
	VEP03B42A	P.C.BOARD W/COMPONENT		AG-7700E ONLY
		VIDEO REC		
	VEP00V96A	P.C.BOARD W/COMPONENT		ON VEP03B42A
		CF SUB		
		CAPACITORS		
C9001	ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C9002	ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	1	
C9003	ECUM1H070DCN	C.CAPACITOR CH 50V 7P	1	
C9004	ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C9005	ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	
C9006	ECEV0JV220Q	E.CAPACITOR 6.3V 22U	1	
C9007	ECEV1HV010Q	E.CAPACITOR 50V 1U	1	
C9008,09	ECEV1HV3R3Q	E.CAPACITOR 50V 3.3U	2	
C9010-12	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	3	
C9013	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C9014,15	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C9016	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C9031	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C9032	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C9033	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C9034	ECCF1H470JC4	C.CAPACITOR 50V 47P	1	
C9057	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C9092,93	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C9094	ECUM1H562KBN	C.CAPACITOR CH 50V 5600P	1	
C9095	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C9096	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C9098,99	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C9101	ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C9102	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C9103	ECUM1H070DCN	C.CAPACITOR CH 50V 7P	1	
C9104	ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C9106	ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C9107	ECEV1HV010Q	E.CAPACITOR 50V 1U	1	
C9108,09	ECEV1HV3R3Q	E.CAPACITOR 50V 3.3U	2	
C9110	ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	
C9111,12	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	2	
C9113	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C9114	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C9115	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C9116	ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C9119	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C9120	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C9122	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C9123	ECEV0GV101Q	E.CAPACITOR 4V 100U	1	
C9124	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C9126	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C9128	ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C9131	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C9133	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C9134	ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C9135	ECUM1H120JCN	C.CAPACITOR CH 50V 12P	1	
C9136,37	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C9138	ECCF1H470JC4	C.CAPACITOR 50V 47P	1	
C9152	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C9185	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C9189	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C9193	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C9194	ECUM1H562KBN	C.CAPACITOR CH 50V 5600P	1	
C9195	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C9196	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C9198,99	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C9201	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C9202	ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	1	
C9203	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C9204	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C9205	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C9208-10	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	3	
C9212	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C9213	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C9215	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C9223	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C9233	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C9235	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C9243	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C9245	ECUM1H123KBN	C.CAPACITOR CH 50V 0.012U	1	
C9252	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C9285	ECUM1H070DCN	C.CAPACITOR CH 50V 7P	1	
C9286	ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C9287	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C9289	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C9290	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C9293	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C9295	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C9310	ECUM1H470JCN	C.CAPACITOR 50V 47P	1	
C9314	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C9316	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C9317	ECUM1H070DCN	C.CAPACITOR CH 50V 7P	1	
C9318	ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C9322	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C9323	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C9324	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C9325	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C9330	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C9331	ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C9332	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C9333	ECEV0JV220Q	E.CAPACITOR 6.3V 22U	1	
C9334,35	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	2	
C9336	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C9337	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C9338	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	
C9339	ECUM1H080DCN	C.CAPACITOR CH 50V 8P	1	
C9340,41	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C9342	ECUM1H470JCN	C.CAPACITOR 50V 47P	1	
C9343	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C9345	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C9385	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C9395	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C9401	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C9402	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C9403	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C9404	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C9405	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C9406	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C9408,09	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C9411-13	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C9414	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C9415	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C9416	ECEV1CV220Q	E.CAPACITOR 16V 22U	1	
C9417	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C9418	ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C9420	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C9421	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C9434,35	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	2	
C9438	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C9439	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C9440	ECUM1H152KBN	C.CAPACITOR CH 50V 1500P	1	
C9445,46	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C9501	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C9502	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C9503	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C9504	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C9505	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C9506	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C9601	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C9602,03	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C9604	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C9606-13	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	8	
C9615	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C9617-21	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	5	
C9650	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C9651,52	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C9653	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C9654	ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C9655	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C9656-58	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
C9659	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C9670	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C9676	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C9680	ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C9691	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C9692	ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C9693	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C9694	ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C9697	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
D9111,12	MA151K	DIODE	2	<R>
D9201	MA151K	DIODE	1	<R>
D9301,02	MA151K	DIODE	2	<R>
D9401	MA151K	DIODE	1	<R>
D9501	11EQS04	DIODE	1	<R>
D9655	MA704	DIODE	1	<R>
DL9201	VLD0265	DELAY	1	
DL9202	VLD0266	DELAY	1	
FL9003	VLF0932	FILTER	1	
FL9101	VLF0639	FILTER	1	
FL9102	ELB4M022	FILTER	1	
FL9103	VLF0932	FILTER	1	
FL9302	VLF1048	FILTER	1	
FL9401	VLF1132	FILTER	1	
FL9601	VLF1016A223	FILTER	1	
IC9011	TC7S08F	IC	1	<R>
IC9012	NJM082BM	IC	1	<R>
IC9013	MC14577CP	IC	1	<R>
IC9014	TC74HC221AF	IC	1	<R>
IC9015	AN3916	IC	1	<R>
IC9016	TC7S66F	IC	1	<R>
IC9017	TC7S04F	IC	1	<R>
IC9021	NJM78L05UA	IC	1	<R>
IC9035	TC7S08F	IC	1	<R>
IC9101	TC4W53F	IC	1	<R>
IC9102	TC74HC221AF	IC	1	<R>
IC9103	MC14577CP	IC	1	<R>
IC9104	TC4S584F	IC	1	<R>
IC9105	TC74HC123AF	IC	1	<R>
IC9106	TC7S08F	IC	1	<R>
IC9112	NJM082BM	IC	1	<R>
IC9113	MC14577CP	IC	1	<R>
IC9114	TC74HC221AF	IC	1	<R>

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC9115	AN3916	IC	1	<R>
IC9121	NJM78L05UA	IC	1	<R>
IC9201	TC7S04F	IC	1	<R>
IC9202	TC7S66F	IC	1	<R>
IC9203	LM324NS	IC	1	<R>
IC9204	TC7S66F	IC	1	<R>
IC9209	MC14577CP	IC	1	<R>
IC9212	TK16031M	IC	1	<R>
IC9222	TK16031M	IC	1	<R>
IC9302	AN6367S	IC	1	<R>
IC9310	NJM2234MA	IC	1	<R>
IC9401	AN614	IC	1	<R>
IC9403	TC4W53F	IC	1	<R>
IC9404	SN74LS221NS	IC	1	<R>
IC9405	TA75W558FU	IC	1	<R>
IC9406	TA75S393F85	IC	1	<R>
IC9409	TC7S04F	IC	1	<R>
IC9410	MC14538BF	IC	1	<R>
IC9411	MC14013BF	IC	1	<R>
IC9412	MC14040BF	IC	1	<R>
IC9413	MC14538BF	IC	1	<R>
IC9417	MC14013BF	IC	1	<R>
IC9419	TC4S30F	IC	1	<R>
IC9601	CXD2105AQ	IC	1	<R>
IC9602	SN74LS221NS	IC	1	<R>
IC9603	AN78L05	IC	1	<R>
IC9606	TC7WU04F	IC	1	<R>
IC9655	CXD1175AM	IC	1	<R>
IC9691	MC74HC74AF	IC	1	<R>
L9002,03	VLQ0319K101	COIL 100UH	2	
L9010	VLQ0163J221	COIL 220UH	1	
L9102,03	VLQ0319K101	COIL 100UH	2	
L9105,06	VLQ0163J270	COIL 27UH	2	
L9110	VLQ0163J221	COIL 220UH	1	
L9225	VLQ0319K101	COIL 100UH	1	
L9227	VLQ0163J180	COIL 18UH	1	
L9228	VLQ0163J150	COIL 15UH	1	
L9235	VLQ0319K101	COIL 100UH	1	
L9304	VLQ0319K101	COIL 100UH	1	
L9328	VLQ0163J150	COIL 15UH	1	
L9329	VLQ0163J180	COIL 18UH	1	
L9402	VLQ0319K101	COIL 100UH	1	
L9404,05	VLQ0319K101	COIL 100UH	2	
L9501	VLP0133	COIL	1	
L9602	VLQ0319K101	COIL 100UH	1	
L9691,92	VLQ0163J2R7	COIL 2.7UH	2	
L9693	VLQ0163J151	COIL 150UH	1	
P9001	VJP1148	CONNECTOR (MALE)	1	
P9501,02	VJS2907D018	CONNECTOR (FEMALE)	2	
P9503	VJP1246T	CONNECTOR (MALE)	1	
Q9008	MSB709-R	TRANSISTOR	1	<R>
Q9018	MSD601-R	TRANSISTOR	1	<R>
Q9019	2SK198-R	TRANSISTOR	1	<R>
Q9020	MSB709-R	TRANSISTOR	1	<R>
Q9034	MSD601-R	TRANSISTOR	1	<R>
Q9101,02	MSB709-R	TRANSISTOR	2	<R>
Q9103	XN4601	TRANSISTOR	1	<R>
Q9104	MSD601-R	TRANSISTOR	1	<R>
Q9107	MSD601-R	TRANSISTOR	1	<R>
Q9108-10	MSB709-R	TRANSISTOR	3	<R>
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Q9119	2SK198-R	TRANSISTOR	1	<R>
Q9134	MSD601-R	TRANSISTOR	1	<R>
Q9202	MSD601-R	TRANSISTOR	1	<R>
Q9207	MSD601-R	TRANSISTOR	1	<R>
Q9221	MSD601-R	TRANSISTOR	1	<R>

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q9319,20	MSC2295-B	TRANSISTOR	2	<R>
Q9321	MSD601-R	TRANSISTOR	1	<R>
Q9322	MSB709-R	TRANSISTOR	1	<R>
Q9324,25	MSD601-R	TRANSISTOR	2	<R>
Q9326	MSC2295-B	TRANSISTOR	1	<R>
Q9401	MSD601-R	TRANSISTOR	1	<R>
Q9691	MSB709-R	TRANSISTOR	1	<R>
QR9101	MRN1403	TRANSISTOR-RESISTOR	1	<R>
QR9307	MRN1404	TRANSISTOR-RESISTOR	1	<R>
QR9316	MRN1402	TRANSISTOR-RESISTOR	1	<R>
		RESISTORS		
R9001	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9003	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R9004	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R9005	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R9006	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9023	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R9031,32	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	2	
R9035	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R9036,37	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R9038	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R9039	ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R9040	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R9041	ERJ6GEYJ474	M.RESISTOR CH1/10W 470K	1	
R9042	ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R9043,44	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R9045	ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R9046	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R9047	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R9048	ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R9050	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R9054	ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R9058	ERJ6GEYF333	M.RESISTOR CH1/10W 33K	1	
R9069	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R9070	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R9071,72	ERJ6GEYF333	M.RESISTOR CH1/10W 33K	2	
R9073	ERJ6GEYJ184	M.RESISTOR CH1/10W 180K	1	
R9074	ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R9075	ERJ6GEYJ393	M.RESISTOR CH1/10W 39K	1	
R9083	ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R9085	ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R9096	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9101,02	ERJ6GEYJ470	M.RESISTOR CH1/10W 47	2	
R9103	ERJ6GEYJ474	M.RESISTOR CH1/10W 470K	1	
R9104	ERJ6GEYJ394	M.RESISTOR CH1/10W 390K	1	
R9105	ERJ6GEYJ474	M.RESISTOR CH1/10W 470K	1	
R9106,07	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R9108,09	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R9110	ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R9111	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9112	ERJ6GEYJ393	M.RESISTOR CH1/10W 39K	1	
R9113	ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R9114	ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R9115	ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R9116	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R9117,18	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R9120	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R9125	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R9126	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R9128	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R9131,32	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	2	
R9135	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R9136	ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R9137	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R9138	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R9139	ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R9140	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R9141	ERJ6GEYJ224	M.RESISTOR CH1/10W 220K	1	
R9142	VRE0034E272	M.RESISTOR CH 1/10W 2.7K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R9143	VRE0034E102	M.RESISTOR CH 1/10W 1K	1	
R9144	ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R9145	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R9146	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R9147	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9148	ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R9150	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R9151	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R9155	ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R9156	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R9166	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R9169	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R9170	VRE0034E561	M.RESISTOR CH 1/10W 560	1	
R9171	ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R9172	ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R9173	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R9174	ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R9175	ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R9176,77	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	2	
R9178	ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R9179	ERJ6GEYJ820	M.RESISTOR CH1/10W 82	1	
R9180	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R9194	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9196	VRE0034E241	M.RESISTOR CH 1/10W 240	1	
R9201	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R9202	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R9203	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R9204	ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R9205	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R9206	ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R9207	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R9208	ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R9210	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R9211	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R9212	ERJ6GEYJ393	M.RESISTOR CH1/10W 39K	1	
R9214	ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R9215	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R9218	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R9219	ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R9220	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R9221	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R9222	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R9225	ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R9226	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R9229	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R9232	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R9234	VRE0034E751	M.RESISTOR CH 1/10W 750	1	
R9235	ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R9236	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R9237	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R9238	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R9240	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R9241	ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R9243	ERJ6GEYF333	M.RESISTOR CH1/10W 33K	1	
R9244	ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R9246	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	1	
R9247	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R9250	ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R9251	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R9252	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R9255	ERJ6GEYJ362	M.RESISTOR CH1/10W 3.6K	1	
R9256	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R9260	ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R9261	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R9262	ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R9266	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	1	
R9267	ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R9271	ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R9272	ERJ6GEYJ393	M.RESISTOR CH1/10W 39K	1	
R9276	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R9281	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R9282	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R9283	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R9284	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	1	
R9285	ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R9301	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R9302,03	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R9304	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R9305	ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R9306-08	ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	3	
R9321	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R9322	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R9330	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R9342	ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R9343	ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R9353	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R9356	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9357	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R9359	ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R9360	ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R9361	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R9363	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R9364	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R9365	ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R9366,67	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	2	
R9368	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R9369	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R9370	ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R9371	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9372	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R9377	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R9378	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R9379	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R9388	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R9389	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R9391	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9396	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9401	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R9402	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9403	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R9404	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R9405	ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R9406	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R9407	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9409	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R9410	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R9411,12	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R9413	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R9414	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R9415	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R9416	ERJ6GEYJ912	M.RESISTOR CH1/10W 9.1K	1	
R9417	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R9418	ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R9419	ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R9420	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R9421,22	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R9423	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R9424	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R9425	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R9426	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R9429	ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R9454	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R9455	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R9456	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	1	
R9457	ERJ6GEYJ433	M.RESISTOR CH1/10W 43K	1	
R9458	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R9459	ERJ6GEYJ224	M.RESISTOR CH1/10W 220K	1	
R9460	ERJ6GEYF124	M.RESISTOR CH1/10W 120K	1	
R9602	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9604,05	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R9607	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R9608	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9610	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9612	ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R9613	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R9614	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R9615	ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R9616	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R9617	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R9618	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R9619	ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R9620	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9623	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9625,26	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R9628	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9631	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9633	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9634	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R9636	ERJ6GEYF333	M.RESISTOR CH1/10W 33K	1	
R9641	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9643	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R9644	ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R9651	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R9652	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R9653,54	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	2	
R9655	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9657	ERJ6GEYJ271	M.RESISTOR CH1/10W 270	1	
R9658	ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R9660	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9661	ERJ6GEYJ270	M.RESISTOR CH1/10W 27	1	
R9663	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R9664	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R9665	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R9670	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9689	ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R9691	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R9693	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9694	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R9695	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R9696	ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R9697	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R9698	ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R9699	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
VR9001	EVN32CA00B24	V.RESISTOR 20K	1	
VR9106	EVN32CA00B24	V.RESISTOR 20K	1	
VR9201	EVN32CA00B14	V.RESISTOR 10K	1	
VR9202	EVN32CA00B13	V.RESISTOR 1K	1	
VR9212	EVN32CA00B14	V.RESISTOR 10K	1	
VR9222	EVN32CA00B14	V.RESISTOR 10K	1	
VR9232	EVN32CA00B13	V.RESISTOR 1K	1	
VR9301,02	EVM7DGA00B53	V.RESISTOR 5K	2	
X9301	VSX0406	CRYSTAL OSCILLATOR	1	<R>
		MISCELLANEOUS		
E114	VSC2483	SHIELD CASE	1	
E115	VSC2485	SHIELD CASE	1	
	VEP03B44A	P.C.BOARD W/COMPONENT		AG-7700E
		VIDEO YC		
		CAPACITORS		
C3001	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3003-06	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C3008,09	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3010	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3012	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3013	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3014	ECUM1H050CCN	C.CAPACITOR CH 50V 5P	1	
C3020-22	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C3023	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3024	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3025	ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U	1	
C3026	ECUM1H223ZFN	C.CAPACITOR CH 50V 0.022U	1	
C3027	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C3028,29	ECUM1H473ZFN	C.CAPACITOR CH 50V 0.047U	2	
C3030	ECEV1EV4R7Q	E.CAPACITOR 25V 4.7U	1	
C3032	ECUM1H221GCN	C.CAPACITOR CH 50V 220P	1	
C3033-35	ECUM1H271GCN	C.CAPACITOR CH 50V 270P	3	
C3038	ECQP1H561JZ	P.CAPACITOR 50V 560P	1	
C3039	ECUM1H820GCN	C.CAPACITOR CH 50V 82P	1	
C3040	ECQP1H911GZ	P.CAPACITOR 50V 910P	1	
C3042	ECUM1H080DCN	C.CAPACITOR CH 50V 8P	1	
C3043	ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C3044	ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C3045	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3047	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3048	ECUM1H470JCN	C.CAPACITOR 50V 47P	1	
C3049	ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C3051-55	ECEV1CV100Q	E.CAPACITOR 16V 10U	5	
C3056-61	ECEV1EV4R7Q	E.CAPACITOR 25V 4.7U	6	
C3062	ECEV0GV470Q	E.CAPACITOR 4V 47U	1	
C3063	ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C3064	ECEV0JV220Q	E.CAPACITOR 6.3V 22U	1	
C3065-69	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	5	
C3070	ECEV1HV010Q	E.CAPACITOR 50V 1U	1	
C3072-76	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	5	
C3078	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3079	ECEV1CV470Q	E.CAPACITOR 16V 47U	1	
C3080-83	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	4	
C3084,85	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3086,87	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	2	
C3088	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3089	ECEV1EV4R7Q	E.CAPACITOR 25V 4.7U	1	
C3091,92	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C3093	ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C3094,95	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C3096	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3097	ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C3100	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3101	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C3102	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3202	ECUM1H271JCN	C.CAPACITOR CH 50V 270P	1	
C3203-05	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C3206	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C3207	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3208	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C3209	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C3210	ECUM1H050CCN	C.CAPACITOR CH 50V 5P	1	
C3211	ECUM1H120JCN	C.CAPACITOR CH 50V 12P	1	
C3212	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3213	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3214-16	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C3217	ECEV1HV3R3Q	E.CAPACITOR 50V 3.3U	1	
C3218,19	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C3220	ECEV1EV4R7Q	E.CAPACITOR 25V 4.7U	1	
C3221	ECEV1HV2R2Q	E.CAPACITOR 50V 2.2U	1	
C3222	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3223	ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U	1	
C3224	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C3225	ECEV1HV010Q	E.CAPACITOR 50V 1U	1	
C3226	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3227	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3228,29	ECQV1H154JZ	P.CAPACITOR 50V 0.15U	2	
C3230	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3231	ECUM1H393KBN	C.CAPACITOR 50V 0.039M	1	
C3233	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3234	ECUM1H090DCN	C.CAPACITOR CH 50V 9P	1	
C3235	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3236	ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	
C3237	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3239,40	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C3241-44	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C3245	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3246	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3247	ECUM1H060DCN	C.CAPACITOR CH 50V 6P	1	
C3248	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3249	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3250-52	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	3	
C3253	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3254	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C3255	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3256	ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	1	
C3257,58	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3259	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3261	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3263-65	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C3266	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3267	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3268	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3269-71	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C3273	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3274	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C3275	ECEV1HV2R2Q	E.CAPACITOR 50V 2.2U	1	
C3276	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3277	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C3278	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C3279	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C3281	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3282	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3401	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3402-06	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	5	
C3407	ECUM1H090DCN	C.CAPACITOR CH 50V 9P	1	
C3408	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C3409	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3410	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3411	ECEV1HV2R2Q	E.CAPACITOR 50V 2.2U	1	
C3412	ECUM1E224ZFN	C.CAPACITOR CH 25V 0.22U	1	
C3413-17	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	5	
C3418	ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U	1	
C3419	ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C3420	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3421	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3422	ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C3423	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3424	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3425	ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C3426,27	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3428	ECEV1EV4R7Q	E.CAPACITOR 25V 4.7U	1	
C3429	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3430	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3431,32	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3433	ECUM1E224ZFN	C.CAPACITOR CH 25V 0.22U	1	
C3434	ECEV1EV4R7Q	E.CAPACITOR 25V 4.7U	1	
C3435,36	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3437-39	ECEV1CV100Q	E.CAPACITOR 16V 10U	3	
C3440	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3441	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3442	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3443	ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C3444	ECEV1EV4R7Q	E.CAPACITOR 25V 4.7U	1	
C3445-47	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C3448	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3449,50	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	2	
C3451	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C3452	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3453-55	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C3456	ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C3457	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3459	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3460	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C3461	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3462	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C3463	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3464	ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C3465	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3466,67	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	2	
C3468	ECQV1H105JZ	P.CAPACITOR 50V 1U	1	
C3469	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C3470	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3471	ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C3472	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3473	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3474	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3475,76	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C3477	ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C3478	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3479	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3480-83	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C3484,85	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	2	
C3486	ECQV1H105JZ	P.CAPACITOR 50V 1U	1	
C3487	ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C3488-92	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	5	
C3493	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3497-99	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C3500	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C3501	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3502	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3503	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3504,05	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3507-09	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C3510	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3511,12	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3513	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3514	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3515	ECEV1CV470Q	E.CAPACITOR 16V 47U	1	
C3516	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C3517	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3520-22	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	3	
C3523	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C3524	ECUM1H152KBN	C.CAPACITOR CH 50V 1500P	1	
C3525	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3527	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3528	ECUM1H470JCN	C.CAPACITOR 50V 47P	1	
C3529	ECUM1H821JCN	C.CAPACITOR CH 50V 820P	1	
C3530	ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C3531	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
D3001	MA3091-M	DIODE	1	<R>
D3002,03	MA151K	DIODE	2	<R>
D3005-07	MA151K	DIODE	3	<R>
D3202	MA151WA	DIODE	1	<R>
D3203-05	MA151K	DIODE	3	<R>
D3206	MA151WA	DIODE	1	<R>
D3208	MA151K	DIODE	1	<R>
D3401	MA151K	DIODE	1	<R>
D3402	MA3091-M	DIODE	1	<R>
D3403	MA28W-B	DIODE	1	<R>
D3501	MA151K	DIODE	1	<R>
D3502	MA151WA	DIODE	1	<R>
D3503	MA151K	DIODE	1	<R>
DL3201	VLD0272	DELAY	1	
FL3003	VLF1129	FILTER	1	
FL3005	VLF1127	FILTER	1	
FL3006	VLF1128	FILTER	1	
FL3201	VLF1134	FILTER	1	
FL3202	VLF1133	FILTER	1	
FL3203	VLD0147	FILTER	1	
FL3204	VLF1130	FILTER	1	
FL3205	VLF1131	FILTER	1	
FL3401	VLF1131	FILTER	1	
FL3402	VLD0089	FILTER	1	
FL3403,04	VLF1129	FILTER	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
FL3405,06	VLF1133	FILTER	2	
FL3501	VLF1132	FILTER	1	
IC3001	TC7S04F	IC	1	<R>
IC3002	AN3293S	IC	1	<R>
IC3003	MSM6871RS	IC	1	<R>
IC3004	AN3255FAP	IC	1	<R>
IC3006-08	NJM2233BMA	IC	3	<R>
IC3009	TC4W53F	IC	1	<R>
IC3011	AN78N05	IC	1	<R>
IC3012	NJM78L05UA	IC	1	<R>
IC3201	M52056FP	IC	1	<R>
IC3205-07	TC7S04F	IC	3	<R>
IC3208,09	TC7S66F	IC	2	<R>
IC3210	TC7S04F	IC	1	<R>
IC3211	MC74HC4053F	IC	1	<R>
IC3212	TK16031M	IC	1	<R>
IC3213	MC14577CP	IC	1	<R>
IC3214,15	NJM78L05UA	IC	2	<R>
IC3401	NJM2233BMA	IC	1	<R>
IC3402	AN3495S	IC	1	<R>
IC3403,04	MSM6871RS	IC	2	<R>
IC3406	M52093SP	IC	1	<R>
IC3407	SN74LS221NS	IC	1	<R>
IC3408	MC14577CP	IC	1	<R>
IC3409	NJM2234MA	IC	1	<R>
IC3410	AN78N05	IC	1	<R>
IC3411	VCR0373	IC	1	<R>
IC3412	NJM2233BMA	IC	1	<R>
IC3501	AN614	IC	1	<R>
IC3502	MC74HC4053F	IC	1	<R>
IC3503	TA75W558FU	IC	1	<R>
IC3504	TA75S393F85	IC	1	<R>
IC3506	MC14538BF	IC	1	<R>
IC3507	MC14013BF	IC	1	<R>
IC3508	MC14040BF	IC	1	<R>
IC3509	MC14538BF	IC	1	<R>
IC3510	TC4S30F	IC	1	<R>
IC3511	MC14013BF	IC	1	<R>
IC3512	TC4S30F	IC	1	<R>
L3001	VLQ0163J390	COIL 39UH	1	
L3002	VLQ0319K101	COIL 100UH	1	
L3004	VLQ0319K101	COIL 100UH	1	
L3005	VLP0083	COIL	1	
L3007,08	VLQ0319K101	COIL 100UH	2	
L3011	VLQ0163J151	COIL 150UH	1	
L3201	VLQ0163J470	COIL 47UH	1	
L3202,03	VLQ0163J820	COIL 82UH	2	
L3204	VLQ0163J180	COIL 18UH	1	
L3206	VLQ0319K101	COIL 100UH	1	
L3207	VLQ0163J330	COIL 33UH	1	
L3208	VLQ0163J150	COIL 15UH	1	
L3209-11	VLQ0319K101	COIL 100UH	3	
L3401	VLQ0319K101	COIL 100UH	1	
L3402	VLP0083	COIL	1	
L3403	VLQ0163J680	COIL 68UH	1	
L3404	VLQ0163J151	COIL 150UH	1	
L3405-07	VLQ0319K101	COIL 100UH	3	
L3409,10	VLQ0163J150	COIL 15UH	2	
L3411-13	VLQ0319K101	COIL 100UH	3	
L3415,16	VLQ0163J6R8	COIL 6.8UH	2	
L3501-03	VLQ0319K101	COIL 100UH	3	
L3504	VLQ0163J390	COIL 39UH	1	
P3601,02	VJS2848D018	CONNECTOR (FEMALE)	2	
P3603	VJP1233T	CONNECTOR (MALE)	1	
P3632	VJP3176B064	CONNECTOR (MALE)	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q3002	MSD601-R	TRANSISTOR	1	<R>
Q3003-05	MSC2295-B	TRANSISTOR	3	<R>
Q3006	MSD601-R	TRANSISTOR	1	<R>
Q3007	MSB709-R	TRANSISTOR	1	<R>
Q3008,09	XN4501	TRANSISTOR	2	<R>
Q3010,11	2SA1022-C	TRANSISTOR	2	<R>
Q3012	MSD601-R	TRANSISTOR	1	<R>
Q3013	MSB709-R	TRANSISTOR	1	<R>
Q3014	MSD601-R	TRANSISTOR	1	<R>
Q3015	MSB709-R	TRANSISTOR	1	<R>
Q3016	MSD601-R	TRANSISTOR	1	<R>
Q3201,02	MSB709-R	TRANSISTOR	2	<R>
Q3203-07	MSD601-R	TRANSISTOR	5	<R>
Q3208,09	MSC2295-B	TRANSISTOR	2	<R>
Q3210	MSB709-R	TRANSISTOR	1	<R>
Q3211	XN1504	TRANSISTOR	1	<R>
Q3212	MSB709-R	TRANSISTOR	1	<R>
Q3401-03	MSD601-R	TRANSISTOR	3	<R>
Q3404-08	MSC2295-B	TRANSISTOR	5	<R>
Q3410	MSB709-R	TRANSISTOR	1	<R>
Q3411	MSC2295-B	TRANSISTOR	1	<R>
Q3501	MSD601-R	TRANSISTOR	1	<R>
Q3502,03	MSB709-R	TRANSISTOR	2	<R>
Q3504	MSC2295-B	TRANSISTOR	1	<R>
QR3001	MRN1404	TRANSISTOR-RESISTOR	1	<R>
QR3003	MRN2403	TRANSISTOR-RESISTOR	1	<R>
QR3006	UN1212	TRANSISTOR-RESISTOR	1	<R>
QR3201,02	MRN1403	TRANSISTOR-RESISTOR	2	<R>
QR3203	MRN1404	TRANSISTOR-RESISTOR	1	<R>
QR3206,07	MRN1404	TRANSISTOR-RESISTOR	2	<R>
QR3402,03	MRN1404	TRANSISTOR-RESISTOR	2	<R>
QR3500	MRN1403	TRANSISTOR-RESISTOR	1	<R>
		RESISTORS		
R3001	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R3002-09	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	8	
R3010-12	VRE0034E102	M.RESISTOR CH 1/10W 1K	3	
R3013	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R3014	VRE0034E112	M.RESISTOR CH 1/10W 1.1K	1	
R3015	ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R3016	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3017	ERJ6GEYG151	M.RESISTOR CH1/10W 150	1	
R3018	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R3019	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R3020,21	VRE0034E152	M.RESISTOR CH 1/10W 1.5K	2	
R3022	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	1	
R3023	ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R3024	ERJ6GEYJ184	M.RESISTOR CH1/10W 180K	1	
R3026	ERJ6GEYJ225	M.RESISTOR CH1/10W 2.2M	1	
R3027,28	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	2	
R3029	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3030	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R3032	VRE0034E241	M.RESISTOR CH 1/10W 240	1	
R3033	ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R3034	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R3035,36	VRE0034E332	M.RESISTOR CH 1/10W 3.3K	2	
R3037	VRE0034E471	M.RESISTOR CH 1/10W 470	1	
R3039	VRE0034E471	M.RESISTOR CH 1/10W 470	1	
R3040,41	ERJ6GEYJ821	M.RESISTOR CH1/10W 820	2	
R3042	ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R3043	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R3044	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R3045	ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R3047	ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R3048	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R3050	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3051	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R3052	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3053	ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R3054	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R3055	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R3056	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R3057	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3058	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	1	
R3061	ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R3062	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3063	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R3064	ERDS2TJ473	C.RESISTOR 1/4W 47K	1	
R3066	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3069	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3070	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	1	
R3071,72	ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	2	
R3073	ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R3074	ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R3075	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R3077	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3078	VRE0034E392	M.RESISTOR CH 1/10W 3.9K	1	
R3079	VRE0034E333	M.RESISTOR CH 1/10W 33K	1	
R3080	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R3081	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R3082	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R3083	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3084	ERJ6GEYJ391	M.RESISTOR CH1/10W 390	1	
R3085	VRE0034E333	M.RESISTOR CH 1/10W 33K	1	
R3086	VRE0034E153	M.RESISTOR CH 1/10W 15K	1	
R3087	VRE0034E223	M.RESISTOR CH 1/10W 22K	1	
R3088,89	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	2	
R3090	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3091	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R3092	ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R3093-95	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	3	
R3096	ERJ6GEYJ621	M.RESISTOR CH1/10W 620	1	
R3097	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3098	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R3099	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3102	VRE0034E333	M.RESISTOR CH 1/10W 33K	1	
R3103	VRE0034E112	M.RESISTOR CH 1/10W 1.1K	1	
R3104	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3105	VRE0034E183	M.RESISTOR CH 1/10W 18K	1	
R3107	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R3113	ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R3201,02	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	2	
R3203	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R3205	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R3206	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3208	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3209,10	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	2	
R3211	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	1	
R3212	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R3214,15	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R3216	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3218	ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
R3219	ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R3220	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3221	ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R3222	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	1	
R3223	ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R3224	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3225	ERJ6GEYJ512	M.RESISTOR CH1/10W 5.1K	1	
R3226	ERJ6GEYJ513	M.RESISTOR CH1/10W 51K	1	
R3227,28	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	2	
R3229	ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R3230	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3231,32	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R3233	ERJ6GEYF333	M.RESISTOR CH1/10W 33K	1	
R3234,35	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	2	
R3236-39	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	4	
R3240	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R3241,42	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R3243	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R3244	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R3245,46	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	2	
R3247	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3249	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R3250	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3251	ERJ6GEYJ220	M.RESISTOR CH1/10W 22	1	
R3252	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R3253	ERJ6GEYJ271	M.RESISTOR CH1/10W 270	1	
R3254	ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R3255,56	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R3262,63	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R3264	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R3265	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R3266	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	1	
R3267	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R3268	ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R3269,70	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R3271,72	ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	2	
R3273	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3274,75	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	2	
R3276	ERJ6GEYJ511	M.RESISTOR CH1/10W 510	1	
R3277	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3278	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R3279,80	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R3281	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R3282	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R3284	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R3285	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R3286	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R3287,88	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R3289	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R3290	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3291	ERJ6GEYF333	M.RESISTOR CH1/10W 33K	1	
R3292,93	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	2	
R3295	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3297	ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R3298	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R3299,00	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R3301	ERJ6GEYF333	M.RESISTOR CH1/10W 33K	1	
R3400	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3401	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3402	ERDS2T0	C.RESISTOR 1/4W 0	1	
R3403,04	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R3405	ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R3407	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R3408	ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R3409	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3410	ERJ6GEYF333	M.RESISTOR CH1/10W 33K	1	
R3411	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R3412	ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R3413	ERJ6GEYF333	M.RESISTOR CH1/10W 33K	1	
R3414	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R3415	ERJ6GEYJ271	M.RESISTOR CH1/10W 270	1	
R3416	ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R3417	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R3418	ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R3419	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R3420	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3421	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3422	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R3423	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R3424	ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R3425	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R3426	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R3427,28	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R3429	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R3430	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R3431	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3432	ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R3433	ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R3434	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R3435	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3436,37	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	2	
R3438	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R3439	ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R3440	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R3441	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3445,46	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3449	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R3450,51	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R3452	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R3455	ERJ6GEYJ824	M.RESISTOR CH1/10W 820K	1	
R3457,58	ERJ6GEYJ331	M.RESISTOR CH1/10W 330	2	
R3460	ERJ6GEYF124	M.RESISTOR CH1/10W 120K	1	
R3461	ERJ6GEYJ824	M.RESISTOR CH1/10W 820K	1	
R3462	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3463	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R3465	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R3467	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3468	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R3470	ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R3471	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3472	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R3473	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3474	ERJ6GEYF333	M.RESISTOR CH1/10W 33K	1	
R3475	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3476	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3477-79	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	3	
R3484	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3485	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	1	
R3486	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R3487	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R3488	ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R3489	ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R3490	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R3491	ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R3492,93	VRE0034E681	M.RESISTOR CH 1/10W 680	2	
R3494	VRE0034E122	M.RESISTOR CH 1/10W 1.2K	1	
R3495	VRE0034E201	M.RESISTOR CH 1/10W 200	1	
R3496	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R3498,99	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	2	
R3501	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R3502	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3503	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R3504	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R3506	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3507	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3508	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R3509	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3510	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R3511,12	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R3513	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R3514	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3515	ERJ6GEYJ912	M.RESISTOR CH1/10W 9.1K	1	
R3516	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R3517	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3518	ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R3519	ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R3520,21	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R3529	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3530	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	1	
R3531	ERJ6GEYJ433	M.RESISTOR CH1/10W 43K	1	
R3532	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R3533	ERJ6GEYJ224	M.RESISTOR CH1/10W 220K	1	
R3534	ERJ6GEYF124	M.RESISTOR CH1/10W 120K	1	
R3536	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R3537	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R3538	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3540	ERJ6GEYJ683	M.RESISTOR CH1/10W 68K	1	
R3541	ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R3542	ERJ6GEYJ683	M.RESISTOR CH1/10W 68K	1	
R3543	ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R3544	ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R3545,46	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	2	
R3547	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R3548	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R3549	ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
R3550,51	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
VC3201	ECV1ZW60X60	TRIMMER	1	
VC3202	ECV1ZW20X60	TRIMMER	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
VR3001,02	EVN32CA00B53	V.RESISTOR 5K	2	
VR3003	EVM7JGA00B13	V.RESISTOR 1K	1	
VR3004,05	EVN32CA00B53	V.RESISTOR 5K	2	
VR3006	EVM7DGA00B52	V.RESISTOR 500	1	
VR3007	EVM7DGA00B53	V.RESISTOR 5K	1	
VR3201,02	EVN32CA00B15	V.RESISTOR 100K	2	
VR3203	EVN32CA00B14	V.RESISTOR 10K	1	
VR3206	EVM7DGA00B14	V.RESISTOR 10K	1	
VR3207	EVM7DGA00B24	V.RESISTOR 20K	1	
VR3401-03	EVM7JGA00B13	V.RESISTOR 1K	3	
VR3404	EVN32CA00B13	V.RESISTOR 1K	1	
VR3405	EVM7DGA00B13	V.RESISTOR 1K	1	
VR3406	EVM7DGA00B54	V.RESISTOR 50K	1	
VR3407	EVM7DGA00B23	V.RESISTOR 2K	1	
VR3408	EVM7DGA00B54	V.RESISTOR 50K	1	
VR3410	EVN32CA00B54	V.RESISTOR 50K	1	
X3201	VSX0406	CRYSTAL OSCILLATOR	1	<R>
X3401	VSX0316	CRYSTAL OSCILLATOR	1	<R>
		MISCELLANEOUS		
E48	VMZ2228	INSULATER	1	
E49	VSC3973	SHIELD PLATE	1	
E50	XTV3+6FFR	SCREW	2	
	VEP03B44B	P.C.BOARD W/COMPONENT		AG-7600E
		VIDEO YC		
		CAPACITORS		
C3001	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3003-06	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C3008,09	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3010	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3012	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3013	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3014	ECUM1H050CCN	C.CAPACITOR CH 50V 5P	1	
C3020-22	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C3023	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3024	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3025	ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U	1	
C3026	ECUM1H223ZFN	C.CAPACITOR CH 50V 0.022U	1	
C3027	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C3028,29	ECUM1H473ZFN	C.CAPACITOR CH 50V 0.047U	2	
C3030	ECEV1EV4R7Q	E.CAPACITOR 25V 4.7U	1	
C3032	ECUM1H221GCN	C.CAPACITOR CH 50V 220P	1	
C3033-35	ECUM1H271GCN	C.CAPACITOR CH 50V 270P	3	
C3038	ECQP1H561JZ	P.CAPACITOR 50V 560P	1	
C3039	ECUM1H820GCN	C.CAPACITOR CH 50V 82P	1	
C3040	ECQP1H911GZ	P.CAPACITOR 50V 910P	1	
C3042	ECUM1H080DCN	C.CAPACITOR CH 50V 8P	1	
C3043	ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C3044	ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C3045	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3047	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3048	ECUM1H470JCN	C.CAPACITOR 50V 47P	1	
C3049	ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C3051-55	ECEV1CV100Q	E.CAPACITOR 16V 10U	5	
C3056-61	ECEV1EV4R7Q	E.CAPACITOR 25V 4.7U	6	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3062	ECEV0GV470Q	E.CAPACITOR 4V 47U	1	
C3063	ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C3064	ECEV0JV220Q	E.CAPACITOR 6.3V 22U	1	
C3065-69	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	5	
C3070	ECEV1HV010Q	E.CAPACITOR 50V 1U	1	
C3072-76	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	5	
C3078	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3079	ECEV1CV470Q	E.CAPACITOR 16V 47U	1	
C3080-83	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	4	
C3084,85	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3086,87	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	2	
C3088	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3089	ECEV1EV4R7Q	E.CAPACITOR 25V 4.7U	1	
C3091,92	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C3093	ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C3094,95	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C3096	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3097	ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C3100	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3101	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C3102	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3202	ECUM1H271JCN	C.CAPACITOR CH 50V 270P	1	
C3203-05	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C3206	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C3207	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3208	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C3209	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C3210	ECUM1H050CCN	C.CAPACITOR CH 50V 5P	1	
C3211	ECUM1H120JCN	C.CAPACITOR CH 50V 12P	1	
C3212	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3213	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3214-16	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C3217	ECEV1HV3R3Q	E.CAPACITOR 50V 3.3U	1	
C3218,19	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C3220	ECEV1EV4R7Q	E.CAPACITOR 25V 4.7U	1	
C3221	ECEV1HV2R2Q	E.CAPACITOR 50V 2.2U	1	
C3222	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3223	ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U	1	
C3224	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C3225	ECEV1HV010Q	E.CAPACITOR 50V 1U	1	
C3226	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3227	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3228,29	ECQV1H154JZ	P.CAPACITOR 50V 0.15U	2	
C3230	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3231	ECUM1H393KBN	C.CAPACITOR 50V 0.039M	1	
C3233	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3234	ECUM1H090DCN	C.CAPACITOR CH 50V 9P	1	
C3235	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3236	ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	
C3237	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3239,40	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C3241-44	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C3245	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3246	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3248	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3249	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3250-52	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	3	
C3253	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3254	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C3255	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3256	ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	1	
C3257,58	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3259	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3261	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3263-65	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C3266	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3267	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3268	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3269-71	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C3273	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3274	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C3275	ECEV1HV2R2Q	E.CAPACITOR 50V 2.2U	1	
C3276	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3277	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C3278	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3279	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C3281	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3282	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3401	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3402-06	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	5	
C3407	ECUM1H090DCN	C.CAPACITOR CH 50V 9P	1	
C3408	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C3409	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3410	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3411	ECEV1HV2R2Q	E.CAPACITOR 50V 2.2U	1	
C3412	ECUM1E224ZFN	C.CAPACITOR CH 25V 0.22U	1	
C3413-17	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	5	
C3418	ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U	1	
C3419	ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C3420	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3421	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3422	ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C3423	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3424	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3425	ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C3426,27	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3428	ECEV1EV4R7Q	E.CAPACITOR 25V 4.7U	1	
C3429	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3430	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3431,32	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3433	ECUM1E224ZFN	C.CAPACITOR CH 25V 0.22U	1	
C3434	ECEV1EV4R7Q	E.CAPACITOR 25V 4.7U	1	
C3435,36	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3437-39	ECEV1CV100Q	E.CAPACITOR 16V 10U	3	
C3440	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3441	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3442	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3443	ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C3444	ECEV1EV4R7Q	E.CAPACITOR 25V 4.7U	1	
C3445-47	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C3448	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3449,50	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	2	
C3451	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C3452	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3453-55	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C3456	ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C3457	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3459	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3460	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C3461	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3462	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C3463	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3464	ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C3465	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3466,67	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	2	
C3468	ECQV1H105JZ	P.CAPACITOR 50V 1U	1	
C3469	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C3470	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3471	ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C3472	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3473	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3474	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3475,76	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C3477	ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C3478	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3479	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3480-83	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C3484,85	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	2	
C3486	ECQV1H105JZ	P.CAPACITOR 50V 1U	1	
C3487	ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C3488-92	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	5	
C3493	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3497-99	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C3500	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C3501	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3502	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3503	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3504,05	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3507-09	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C3510	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3511,12	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3513	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3514	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3515	ECEV1CV470Q	E.CAPACITOR 16V 47U	1	
C3516	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C3517	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3520-22	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	3	
C3523	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C3524	ECUM1H152KBN	C.CAPACITOR CH 50V 1500P	1	
C3525	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3527	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3528	ECUM1H470JCN	C.CAPACITOR 50V 47P	1	
C3529	ECUM1H821JCN	C.CAPACITOR CH 50V 820P	1	
C3530	ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C3531	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
D3001	MA3091-M	DIODE	1	<R>
D3002,03	MA151K	DIODE	2	<R>
D3005-07	MA151K	DIODE	3	<R>
D3202	MA151WA	DIODE	1	<R>
D3203-05	MA151K	DIODE	3	<R>
D3206	MA151WA	DIODE	1	<R>
D3208	MA151K	DIODE	1	<R>
D3401	MA151K	DIODE	1	<R>
D3402	MA3091-M	DIODE	1	<R>
D3403	MA28W-B	DIODE	1	<R>
D3501	MA151K	DIODE	1	<R>
D3502	MA151WA	DIODE	1	<R>
D3503	MA151K	DIODE	1	<R>
DL3201	VLD0272	DELAY	1	
FL3003	VLF1129	FILTER	1	
FL3005	VLF1127	FILTER	1	
FL3006	VLF1128	FILTER	1	
FL3201	VLF1134	FILTER	1	
FL3202	VLF1133	FILTER	1	
FL3203	VLD0147	FILTER	1	
FL3204	VLF1130	FILTER	1	
FL3205	VLF1131	FILTER	1	
FL3401	VLF1131	FILTER	1	
FL3402	VLD0089	FILTER	1	
FL3403,04	VLF1129	FILTER	2	
FL3405,06	VLF1133	FILTER	2	
FL3501	VLF1132	FILTER	1	
IC3001	TC7S04F	IC	1	<R>
IC3002	AN3293S	IC	1	<R>
IC3003	MSM6871RS	IC	1	<R>
IC3004	AN3255FAP	IC	1	<R>
IC3006-08	NJM2233BMA	IC	3	<R>
IC3009	TC4W53F	IC	1	<R>
IC3011	AN78N05	IC	1	<R>
IC3012	NJM78L05UA	IC	1	<R>
IC3201	M52056FP	IC	1	<R>
IC3205-07	TC7S04F	IC	3	<R>
IC3208,09	TC7S66F	IC	2	<R>
IC3210	TC7S04F	IC	1	<R>
IC3211	MC74HC4053F	IC	1	<R>
IC3212	TK16031M	IC	1	<R>
IC3213	MC14577CP	IC	1	<R>
IC3214,15	NJM78L05UA	IC	2	<R>
IC3401	NJM2233BMA	IC	1	<R>
IC3402	AN3495S	IC	1	<R>
IC3403,04	MSM6871RS	IC	2	<R>
IC3406	M52093SP	IC	1	<R>
IC3407	SN74LS221NS	IC	1	<R>

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC3408	MC14577CP	IC	1	<R>
IC3409	NJM2234MA	IC	1	<R>
IC3410	AN78N05	IC	1	<R>
IC3411	VCR0373	IC	1	<R>
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IC3501	AN614	IC	1	<R>
IC3502	MC74HC4053F	IC	1	<R>
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IC3512	TC4S30F	IC	1	<R>
L3001	VLQ0163J390	COIL 39UH	1	
L3002	VLQ0319K101	COIL 100UH	1	
L3004	VLQ0319K101	COIL 100UH	1	
L3005	VLP0083	COIL	1	
L3007,08	VLQ0319K101	COIL 100UH	2	
L3011	VLQ0163J151	COIL 150UH	1	
L3201	VLQ0163J470	COIL 47UH	1	
L3202,03	VLQ0163J820	COIL 82UH	2	
L3204	VLQ0163J180	COIL 18UH	1	
L3206	VLQ0319K101	COIL 100UH	1	
L3207	VLQ0163J330	COIL 33UH	1	
L3208	VLQ0163J150	COIL 15UH	1	
L3209-11	VLQ0319K101	COIL 100UH	3	
L3401	VLQ0319K101	COIL 100UH	1	
L3402	VLP0083	COIL	1	
L3403	VLQ0163J680	COIL 68UH	1	
L3404	VLQ0163J151	COIL 150UH	1	
L3405-07	VLQ0319K101	COIL 100UH	3	
L3409,10	VLQ0163J150	COIL 15UH	2	
L3411-13	VLQ0319K101	COIL 100UH	3	
L3416	VLQ0163J6R8	COIL 6.8UH	1	
L3501-03	VLQ0319K101	COIL 100UH	3	
L3504	VLQ0163J390	COIL 39UH	1	
P3603	VJP1233T	CONNECTOR (MALE)	1	
P3632	VJP3176B064	CONNECTOR (MALE)	1	
Q3002	MSD601-R	TRANSISTOR	1	<R>
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Q3006	MSD601-R	TRANSISTOR	1	<R>
Q3007	MSB709-R	TRANSISTOR	1	<R>
Q3008,09	XN4501	TRANSISTOR	2	<R>
Q3010,11	2SA1022-C	TRANSISTOR	2	<R>
Q3012	MSD601-R	TRANSISTOR	1	<R>
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Q3014	MSD601-R	TRANSISTOR	1	<R>
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Q3016	MSD601-R	TRANSISTOR	1	<R>
Q3201,02	MSB709-R	TRANSISTOR	2	<R>
Q3203-07	MSD601-R	TRANSISTOR	5	<R>
Q3208,09	MSC2295-B	TRANSISTOR	2	<R>
Q3210	MSB709-R	TRANSISTOR	1	<R>
Q3211	XN1504	TRANSISTOR	1	<R>
Q3212	MSB709-R	TRANSISTOR	1	<R>
Q3401-03	MSD601-R	TRANSISTOR	3	<R>
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Q3410	MSB709-R	TRANSISTOR	1	<R>
Q3411	MSC2295-B	TRANSISTOR	1	<R>
Q3501	MSD601-R	TRANSISTOR	1	<R>
Q3502,03	MSB709-R	TRANSISTOR	2	<R>
Q3504	MSC2295-B	TRANSISTOR	1	<R>

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
QR3001	MRN1404	TRANSISTOR-RESISTOR	1	<R>
QR3003	MRN2403	TRANSISTOR-RESISTOR	1	<R>
QR3006	UN1212	TRANSISTOR-RESISTOR	1	<R>
QR3201,02	MRN1403	TRANSISTOR-RESISTOR	2	<R>
QR3203	MRN1404	TRANSISTOR-RESISTOR	1	<R>
QR3206,07	MRN1404	TRANSISTOR-RESISTOR	2	<R>
QR3402,03	MRN1404	TRANSISTOR-RESISTOR	2	<R>
QR3500	MRN1403	TRANSISTOR-RESISTOR	1	<R>
		RESISTORS		
R3001	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R3002-09	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	8	
R3010-12	VRE0034E102	M.RESISTOR CH 1/10W 1K	3	
R3013	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R3014	VRE0034E112	M.RESISTOR CH 1/10W 1.1K	1	
R3015	ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R3016	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3017	ERJ6GEYG151	M.RESISTOR CH1/10W 150	1	
R3018	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R3019	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R3020,21	VRE0034E152	M.RESISTOR CH 1/10W 1.5K	2	
R3022	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	1	
R3023	ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R3024	ERJ6GEYJ184	M.RESISTOR CH1/10W 180K	1	
R3026	ERJ6GEYJ225	M.RESISTOR CH1/10W 2.2M	1	
R3027,28	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	2	
R3029	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3030	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R3032	VRE0034E241	M.RESISTOR CH 1/10W 240	1	
R3033	ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R3034	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R3035,36	VRE0034E332	M.RESISTOR CH 1/10W 3.3K	2	
R3037	VRE0034E471	M.RESISTOR CH 1/10W 470	1	
R3039	VRE0034E471	M.RESISTOR CH 1/10W 470	1	
R3040,41	ERJ6GEYJ821	M.RESISTOR CH1/10W 820	2	
R3042	ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R3043	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R3044	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R3045	ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R3047	ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R3048	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R3050	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3051	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R3052	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3053	ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R3054	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R3055	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R3056	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R3057	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3058	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	1	
R3061	ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R3062	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3063	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R3064	ERDS2TJ473	C.RESISTOR 1/4W 47K	1	
R3066	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3069	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3070	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	1	
R3071,72	ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	2	
R3073	ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R3074	ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R3075	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R3077	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3078	VRE0034E392	M.RESISTOR CH 1/10W 3.9K	1	
R3079	VRE0034E333	M.RESISTOR CH 1/10W 33K	1	
R3080	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R3081	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R3082	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R3083	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3084	ERJ6GEYJ391	M.RESISTOR CH1/10W 390	1	
R3085	VRE0034E333	M.RESISTOR CH 1/10W 33K	1	
R3086	VRE0034E153	M.RESISTOR CH 1/10W 15K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3087	VRE0034E223	M.RESISTOR CH 1/10W 22K	1	
R3088,89	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	2	
R3090	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3091	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R3092	ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R3093-95	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	3	
R3096	ERJ6GEYJ621	M.RESISTOR CH1/10W 620	1	
R3097	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3098	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R3099	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3102	VRE0034E333	M.RESISTOR CH 1/10W 33K	1	
R3103	VRE0034E112	M.RESISTOR CH 1/10W 1.1K	1	
R3104	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3105	VRE0034E183	M.RESISTOR CH 1/10W 18K	1	
R3107	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R3112	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3113	ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R3201,02	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	2	
R3203	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R3205	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R3206	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3208	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3209,10	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	2	
R3211	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	1	
R3212	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R3214,15	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R3216	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3218	ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
R3219	ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R3220	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3221	ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R3222	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	1	
R3223	ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R3224	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3225	ERJ6GEYJ512	M.RESISTOR CH1/10W 5.1K	1	
R3226	ERJ6GEYJ513	M.RESISTOR CH1/10W 51K	1	
R3227,28	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	2	
R3229	ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R3230	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3231,32	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R3233	ERJ6GEYF333	M.RESISTOR CH1/10W 33K	1	
R3234,35	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	2	
R3236-39	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	4	
R3240	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R3241,42	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R3243	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R3244	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R3245,46	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	2	
R3247	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R3249	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R3250	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3251	ERJ6GEYJ220	M.RESISTOR CH1/10W 22	1	
R3252	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R3253	ERJ6GEYJ271	M.RESISTOR CH1/10W 270	1	
R3254	ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R3255,56	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R3262,63	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R3264	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R3265	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R3266	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	1	
R3267	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R3268	ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R3269,70	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R3271,72	ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	2	
R3273	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3274,75	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	2	
R3276	ERJ6GEYJ511	M.RESISTOR CH1/10W 510	1	
R3277	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3278	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R3279,80	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R3281	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R3282	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R3284	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R3285	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R3286	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3287,88	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R3289	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R3290	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3291	ERJ6GEYF333	M.RESISTOR CH1/10W 33K	1	
R3292,93	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	2	
R3295	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3297	ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R3298	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R3299,00	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R3301	ERJ6GEYF333	M.RESISTOR CH1/10W 33K	1	
R3400	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3401	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3402	ERDS2T0	C.RESISTOR 1/4W 0	1	
R3403,04	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R3405	ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R3407	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R3408	ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R3409	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3410	ERJ6GEYF333	M.RESISTOR CH1/10W 33K	1	
R3411	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R3412	ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R3413	ERJ6GEYF333	M.RESISTOR CH1/10W 33K	1	
R3414	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R3415	ERJ6GEYJ271	M.RESISTOR CH1/10W 270	1	
R3416	ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R3417	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R3418	ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R3419	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R3420	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3421	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3422	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R3423	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R3424	ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R3425	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R3426	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R3427,28	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R3429	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R3430	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R3431	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3432	ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R3433	ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R3434	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R3435	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3436,37	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	2	
R3438	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R3439	ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R3440	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R3441	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3445,46	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R3449	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R3450,51	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R3452	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R3455	ERJ6GEYJ824	M.RESISTOR CH1/10W 820K	1	
R3457,58	ERJ6GEYJ331	M.RESISTOR CH1/10W 330	2	
R3460	ERJ6GEYF124	M.RESISTOR CH1/10W 120K	1	
R3461	ERJ6GEYJ824	M.RESISTOR CH1/10W 820K	1	
R3462	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3463	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R3465	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R3467	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3468	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R3470	ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R3471	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3472	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R3473	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3474	ERJ6GEYF333	M.RESISTOR CH1/10W 33K	1	
R3475	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3476	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3477-79	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	3	
R3484	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3485	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	1	
R3486	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R3487	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R3488	ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R3489	ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3490	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R3491	ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R3492,93	VRE0034E681	M.RESISTOR CH 1/10W 680	2	
R3494	VRE0034E122	M.RESISTOR CH 1/10W 1.2K	1	
R3495	VRE0034E201	M.RESISTOR CH 1/10W 200	1	
R3496	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R3498,99	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	2	
R3501	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R3502	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3503	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R3504	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R3506	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3507	ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R3508	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R3509	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3510	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R3511,12	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R3513	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R3514	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3515	ERJ6GEYJ912	M.RESISTOR CH1/10W 9.1K	1	
R3516	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R3517	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3518	ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R3519	ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R3520,21	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R3529	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3530	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	1	
R3531	ERJ6GEYJ433	M.RESISTOR CH1/10W 43K	1	
R3532	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R3533	ERJ6GEYJ224	M.RESISTOR CH1/10W 220K	1	
R3534	ERJ6GEYF124	M.RESISTOR CH1/10W 120K	1	
R3536	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R3537	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R3538	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3540	ERJ6GEYJ683	M.RESISTOR CH1/10W 68K	1	
R3541	ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R3542	ERJ6GEYJ683	M.RESISTOR CH1/10W 68K	1	
R3543	ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R3544	ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R3545,46	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	2	
R3547	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R3548	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R3549	ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
R3550,51	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
VC3201	ECV1ZW60X60	TRIMMER	1	
VR3003	EVM7JGA00B13	V.RESISTOR 1K	1	
VR3004,05	EVN32CA00B53	V.RESISTOR 5K	2	
VR3006	EVM7DGA00B52	V.RESISTOR 500	1	
VR3201,02	EVN32CA00B15	V.RESISTOR 100K	2	
VR3203	EVN32CA00B14	V.RESISTOR 10K	1	
VR3206	EVM7DGA00B14	V.RESISTOR 10K	1	
VR3207	EVM7DGA00B24	V.RESISTOR 20K	1	
VR3401-03	EVM7JGA00B13	V.RESISTOR 1K	3	
VR3404	EVN32CA00B13	V.RESISTOR 1K	1	
VR3406	EVM7DGA00B54	V.RESISTOR 50K	1	
VR3407	EVM7DGA00B23	V.RESISTOR 2K	1	
VR3408	EVM7DGA00B54	V.RESISTOR 50K	1	
VR3410	EVN32CA00B54	V.RESISTOR 50K	1	
X3201	VSX0406	CRYSTAL OSCILLATOR	1	<R>
X3401	VSX0316	CRYSTAL OSCILLATOR	1	<R>
		MISCELLANEOUS		
E48	VMZ2228	INSULATER	1	
E49	VSC3973	SHIELD PLATE	1	
E50	XTV3+6FFR	SCREW	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VEP01609A	P.C.BOARD W/COMPONENT		
		POWER (1)		
		CAPACITORS		
C1001,02	VCK0083	CAPACITOR	2	<!>
C1003	ECQU2A224MN	P.CAPACITOR 100V 0.1U	1	<!>
C1004,05	VCK0044	CAPACITOR	2	<!>
C1008	ECEC2GA221C	E.CAPACITOR 400V 220U	1	
C1009	ECA1CFZ221L	E.CAPACITOR 16V 220U	1	
C1011	ECA1HFZ470	E.CAPACITOR 50V 47U	1	
C1012	ECQB1H681JF	P.CAPACITOR 50V 680P	1	
C1013	ECQE6473MZ	P.CAPACITOR	1	
C1014	VCK0106K331	CAPACITOR	1	
C1015	ECQB1H223JF	P.CAPACITOR 50V 0.022U	1	
C1016	ECQB1H123JF	P.CAPACITOR 50V 0.012U	1	
C1017	ECQV1H274JZ	P.CAPACITOR 50V 0.27U	1	
C1019	ECA1HXLV2R2	E.CAPACITOR 50V 2.2U	1	
C1025	ECEA1JFE560	E.CAPACITOR 56U	1	
C1026	ECA1VFQ681	E.CAPACITOR 35V 680U	1	
C1027	ECA1EFZ122L	E.CAPACITOR 25V 1200U	1	
C1028,29	ECA1AFZ222	E.CAPACITOR 10V 2200U	2	
C1030	ECA1CFZ821	E.CAPACITOR 16V 820U	1	
C1031	ECA1EFZ331L	E.CAPACITOR 25V 330U	1	
C1032	ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C1033	ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
C1034	ECA1CXLV470	E.CAPACITOR 16V 47U	1	
C1035	ECA1CFQ152	E.CAPACITOR 16V 1500U	1	
C1036	ECQV1H564JZ	P.CAPACITOR 50V 0.56U	1	
C1037-39	ECCD2H101J	C.CAPACITOR 500V 100P	3	
D1001	D3SBA60	DIODE	1	<!><R>
D1002	RD62E	DIODE	1	<R>
D1003	ERA22-02	DIODE	1	<R>
D1004	MA723	DIODE	1	<R>
D1005	MA185	DIODE	1	<R>
D1006	MA165	DIODE	1	<R>
D1007	MA185	DIODE	1	<R>
D1008	MA4100M	DIODE	1	<R>
D1009	MA178	DIODE	1	<R>
D1010	APO1C	DIODE	1	<R>
D1011,12	RD91E	DIODE	2	<R>
D1014	8P4SMA	DIODE	1	<R>
D1015	RD62E	DIODE	1	<R>
D1016	VSD0001	DIODE	1	<R>
D1017,18	FMLG12SP	DIODE	2	<R>
D1019	FMB-24H	DIODE	1	<R>
D1020	31DQ04	DIODE	1	<R>
D1021	RL2ZP	DIODE	1	<R>
F1001	XBA2C31TH15	FUSE	1	<!>
IC1001	STRS6708LF	IC	1	<!><R>
IC1002	TL431CLP	IC	1	<R>
IC1003	M51953BL	IC	1	<R>
L1001	ELF18D606F	COIL	1	<!>
L1006	VLQ0354	COIL	1	
L1007	VLQ0410	COIL	1	
L1008	VLQ0605	COIL	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L1009	VLQ0410	COIL	1	
P1001	VJP2639	CONNECTOR (MALE)	1	
P1002	VJP1153	CONNECTOR (MALE)	1	
P1003	VJP3088	CONNECTOR (MALE)	1	
Q1001-03	2SD636	TRANSISTOR	3	<R>
Q1004	PS2561L1V1	TRANSISTOR	1	<!><R>
Q1006	2SD1474	TRANSISTOR	1	<R>
QR1001	UN114	TRANSISTOR-RESISTOR	1	<R>
QR1002	UN1214	TRANSISTOR-RESISTOR	1	<R>
		RESISTORS		
R1001	VSF0078	FUSE	1	<!>
R1002-05	ERDS2FJ683	C.RESISTOR 1/4W 68K	4	
R1006	ERDS2FJ2R7	C.RESISTOR 1/4W 2.7	1	
R1007	ERDS2FJ270	C.RESISTOR 1/4W 27	1	
R1009	ERDS2FJ1R5	C.RESISTOR 1/4W 1.5	1	
R1010	ERX2SJR43	M.RESISTOR 2W 0.43	1	
R1011	ERDS2FJ562	C.RESISTOR 1/4W 5.6K	1	
R1012	ERDS2FJ822	C.RESISTOR 1/4W 8.2K	1	
R1013	ERDS2FJ471	C.RESISTOR 1/4W 470	1	
R1014	ERDS2FJ331	C.RESISTOR 1/4W 330	1	
R1015	ERDS2FJ104	C.RESISTOR 1/4W 100K	1	
R1016	ERDS2FJ103	C.RESISTOR 1/4W 10K	1	
R1017	ERDS2FJ104	C.RESISTOR 1/4W 100K	1	
R1018	ERDS2FJ473	C.RESISTOR 1/4W 47K	1	
R1019,20	ERDS2FJ224	C.RESISTOR 1/4W 220K	2	
R1021	ERG3SJ683	M.RESISTOR 3W 68K	1	
R1022	ERG1SJ561	M.RESISTOR 1W 560	1	
R1023	ERDS2FJ562	C.RESISTOR 1/4W 5.6K	1	
R1024	ERDS2FJ334	C.RESISTOR 1/4W 330K	1	
R1025	ERDS2T0	C.RESISTOR 1/4W 0	1	
R1027,28	ERDS2FJ683	C.RESISTOR 1/4W 68K	2	
R1031	ERDS2TJ271	C.RESISTOR 1/4W 270	1	
R1032	ERDS2TJ561	C.RESISTOR 1/4W 560	1	
R1033	ERDS2T0	C.RESISTOR 1/4W 0	1	
R1034	ER0S2CKF2701	M.RESISTOR 1/4W 2.7K	1	
R1035	ER0S2CKF2201	M.RESISTOR 1/4W 2.2K	1	
R1036	ER0S2CKG6202	M.RESISTOR 1/4W 62K	1	
R1038	ERX3SJ1R0	M.RESISTOR 3W 4	1	
T1001	VLT0739	TRANSFORMER	1	<!>
		MISCELLANEOUS		
E35	VJF0318	FUSE HOLDER	2	
E36	VMZ0429	FUSE COVER	1	<!>
E37	VMZ0965	CAPACITOR COVER	2	<!>
E44	VMZ1798	BARRIER	1	<!>
E45	VMZ1608	CAPACITOR COVER	2	<!>
E51	VSC3434	SHIELD CASE	1	
E52	XYN3+F8	SCREW	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VEP04328A	P.C.BOARD W/COMPONENT		AG-7700E
		METER VR		
D4201-06	LN440YCPUVT1	DIODE	6	<R>
D4207,08	MA165	DIODE	2	<R>
P4201	VJP3081	CONNECTOR (MALE)	1	
		RESISTORS		
R4201,02	ERDS2TJ151	C.RESISTOR 1/4W 150	2	
R4203	ERDS2TJ222	C.RESISTOR 1/4W 2.2K	1	
R4204	ERDS2TJ272	C.RESISTOR 1/4W 2.7K	1	
R4205	ERDS2TJ222	C.RESISTOR 1/4W 2.2K	1	
R4206	ERDS2TJ272	C.RESISTOR 1/4W 2.7K	1	
R4207,08	ERDS2CKG5100	M.RESISTOR 1/4W 510	2	
R4209,10	ERDS2TJ151	C.RESISTOR 1/4W 150	2	
VR4201-04	EVJ9MA040B14	V.RESISTOR 10K	4	
		MISCELLANEOUS		
E54	VMP3282	METER ANGLE	1	
E55	VGF0245	METER HOLDER	2	
E56	VSE0117	CH1 METER	1	<R>
E57	VSE0115	CH2/VIDEO METER	1	<R>
	VEP04328B	P.C.BOARD W/COMPONENT		AG-7600E
		METER VR		
D4201-06	LN440YCPUVT1	DIODE	6	<R>
P4201	VJP3529	CONNECTOR (MALE)	1	
		RESISTORS		
R4209,10	ERDS2TJ151	C.RESISTOR 1/4W 150	2	
		MISCELLANEOUS		
E54	VMP3282	METER ANGLE	1	
E55	VGF0245	METER HOLDER	2	
E56	VSE0117	CH1 METER	1	<R>
E57	VSE0115	CH2/VIDEO METER	1	<R>

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VEP04418C	P.C.BOARD W/COMPONENT		AG-7700E
		FRONT JACK		
		CAPACITORS		
C4901,02	ECKF1H101KB	C.CAPACITOR 50V 100P	2	
C4910	ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
D4901	MA165	DIODE	1	<R>
L4901,02	VLQEL05S101J	COIL 100UH	2	
P4901	VJP3529	CONNECTOR (MALE)	1	
P4902	VJP3076	CONNECTOR (MALE)	1	
		RESISTORS		
R4901	ERDS2TJ333	C.RESISTOR 1/4W 33K	1	
R4902	ERDS2TJ822	C.RESISTOR 1/4W 8.2K	1	
VR4901	EVUNCAF15B23	V.RESISTOR 2K	1	
VR4902	EVU55AF15B15	V.RESISTOR 100K	1	
VR4903	EVU023015B14	V.RESISTOR 10K	1	
		MISCELLANEOUS		
E59	VMP4231	JACK ANGLE (1)	1	
E60	VGU6484	ROTARY KNOB	3	
E61	VMP4434	FRONT JACK ANGLE (2)	1	
	VEP04418D	P.C.BOARD W/COMPONENT		AG-7600E
		FRONT JACK		
		CAPACITORS		
C4901,02	ECKF1H101KB	C.CAPACITOR 50V 100P	2	
C4910	ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
L4901,02	VLQEL05S101J	COIL 100UH	2	
P4901	VJP3529	CONNECTOR (MALE)	1	
P4902	VJP3076	CONNECTOR (MALE)	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
VR4901	EVUNCAF15B23	V.RESISTOR 2K	1	
VR4902	EVU55AF15B15	V.RESISTOR 100K	1	
		MISCELLANEOUS		
	VMP4231	JACK ANGLE	1	
	VGU6484	ROTARY KNOB	2	
	VMP4434	FRONT JACK ANGLE	1	
	VEP00V07A	P.C.BOARD W/COMPONENT		AG-7700E
		MOTHER		
P910	VJP1147	CONNECTOR (MALE)	1	
P921-23	VJP3203A020Z	CONNECTOR (MALE)	3	
P931	VJS2898A100	CONNECTOR (FEMALE)	1	
P932	VJS2898A064	CONNECTOR (FEMALE)	1	
P935	VJS2898A100	CONNECTOR (FEMALE)	1	
P941,42	VJS2898A064	CONNECTOR (FEMALE)	2	
P961-64	VJS3152	CONNECTOR (FEMALE)	4	
P971-74	VJS3490A13	CONNECTOR (FEMALE)	4	
		MISCELLANEOUS		
E38	VMP4222	CONNECTOR ANGLE (1)	1	
E39	VMP4223	CONNECTOR ANGLE (2)	1	
E43	VMX0985	SPACER	1	
E42	VJF0456	BINDER	3	
E41	XYE3+EF8FZ	SCREW	17	
E40	XTV26+8J	SCREW	10	
	VEP00V07B	P.C.BOARD W/COMPONENT		AG-7600E
		MOTHER		
P910	VJP1147	CONNECTOR (MALE)	1	
P921-23	VJP3203A020Z	CONNECTOR (MALE)	3	
P931	VJS2898A100	CONNECTOR (FEMALE)	1	
P932	VJS2898A064	CONNECTOR (FEMALE)	1	
P935	VJS2898A100	CONNECTOR (FEMALE)	1	
P941,42	VJS2898A064	CONNECTOR (FEMALE)	2	
P961-64	VJS3152	CONNECTOR (FEMALE)	4	
P971-74	VJS3490A13	CONNECTOR (FEMALE)	4	
		MISCELLANEOUS		
E38	VMP4222	CONNECTOR ANGLE (1)	1	
E39	VMP4223	CONNECTOR ANGLE (2)	1	
E43	VMX0985	SPACER	1	
E42	VJF0456	BINDER	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
E41	XYE3+EF8FZ	SCREW	17	
E40	XTV26+8J	SCREW	10	
	VEP01478C	P.C.BOARD W/COMPONENT		
		POWER CONNECTOR		
		CAPACITORS		
C1101,02	ECQU2A224MN	P.CAPACITOR 100V 0.1U	2	<!>
L1101	ELF18D605	COIL	1	
P1101	VJP2638	CONNECTOR (MALE)	1	<!>
P1102	VJS2985	CONNECTOR (FEMALE)	1	<!>
		RESISTORS		
R1101	ERC12GM334	S.RESISTOR 1/2W 330K	1	<!>
		MISCELLANEOUS		
E46	VMZ1305	CAPACITOR COVER	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VEP02417A	P.C.BOARD W/COMPONENT		
		REEL DRIVE		
		CAPACITORS		
C2701	ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2702	ECEA1EKA470	E.CAPACITOR 25V 47U	1	
C2703	ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C2704	ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U	1	
C2705	ECQV1H564JZ	P.CAPACITOR 50V 0.56U	1	
C2706-08	ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	3	
C2709-12	ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U	4	
C2713	ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C2714	ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C2715-17	ECEA0JKA470	E.CAPACITOR 6.3V 47U	3	
C2718	ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2719	ECEA1EKA470	E.CAPACITOR 25V 47U	1	
C2720	ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C2721	ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U	1	
C2722	ECQV1H564JZ	P.CAPACITOR 50V 0.56U	1	
C2723-25	ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	3	
C2726-29	ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U	4	
D2701	MA151K	DIODE	1	<R>
D2702	MA151WK	DIODE	1	<R>
D2703	MA151K	DIODE	1	<R>
D2704	MA153	DIODE	1	<R>
D2705	MA151K	DIODE	1	<R>
D2706	MA151WK	DIODE	1	<R>
D2707	MA151K	DIODE	1	<R>
D2708	MA153	DIODE	1	<R>
IC2701,02	XRA6435S	IC	2	<R>
IC2703	LM358PS	IC	1	<R>
IC2704	MC14053BF	IC	1	<R>
IC2705	LM339NS	IC	1	<R>
IC2706	LM358PS	IC	1	<R>
J2701	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
L2701-04	VLQ0460	COIL	4	
P2701	VJS3135	CONNECTOR (FEMALE)	1	
P2702	VJS2149W	CONNECTOR (FEMALE)	1	
P2703	VJS3202B008	CONNECTOR (FEMALE)	1	
P2704,05	VJS1412	CONNECTOR (FEMALE)	2	
Q2701	MSD601-R	TRANSISTOR	1	<R>
QR2701	MRN1404	TRANSISTOR-RESISTOR	1	<R>
		RESISTORS		
R2701	ERJ6GEYG102	M.RESISTOR CH1/10W 1K	1	
R2702	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R2703	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2704	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R2705	ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R2706	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R2707,08	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R2709	ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R2710	ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R2711	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2712	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R2713,14	ERDS2TJ330	C.RESISTOR 1/4W 33	2	
R2715	ERX12SJ1R0	M.RESISTOR 1/2W 1.0	1	
R2716	ERDS2TJ330	C.RESISTOR 1/4W 33	1	
R2717	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R2718	ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R2719	ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R2720	ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R2721	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R2722,23	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	2	
R2724	ERJ6GEYJ224	M.RESISTOR CH1/10W 220K	1	
R2725,26	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R2727	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R2728	ERJ6GEYJ823	M.RESISTOR CH1/10W 82K	1	
R2729	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2730	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R2731	ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R2732	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2733	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R2734,35	ERDS2TJ330	C.RESISTOR 1/4W 33	2	
R2736	ERX12SJR47	M.RESISTOR 1/2W 0.47	1	
R2737	ERDS2TJ330	C.RESISTOR 1/4W 33	1	
R2738	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R2739	ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R2740	ERJ6GEYJ224	M.RESISTOR CH1/10W 220K	1	
R2741,42	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R2743	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
		MISCELLANEOUS		
E47	VMX2183	P.C.B. SPACER	1	
E96	VWJ04CN150CA	FLAT CABLE	1	
E97	VWJ18AW105M1	FLEXIBLE CABLE	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VEP03B43A	P.C.BOARD W/COMPONENT		AG-7700E
		VIDEO I/O		
		CAPACITORS		
C3001-03	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	3	
C3004	ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U	1	
C3005	ECEV1HVR47Q	E.CAPACITOR 50V 0.47U	1	
C3006	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3007	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3008	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C3009	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3010	ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C3011	ECUM1H391JCN	C.CAPACITOR CH 50V 390P	1	
C3012	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3013	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3014	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3015	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3016	ECEV1HV3R3Q	E.CAPACITOR 50V 3.3U	1	
C3017	ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C3018-20	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	3	
C3021	ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C3022-24	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	3	
C3025	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3026	ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C3027	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3028-30	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	3	
C3032,33	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
C3034	ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C3035	ECUM1H390JCN	C.CAPACITOR CH 50V 39P	1	
C3037	ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C3038	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3039,40	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C3041	ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C3042	ECUM1H271JCN	C.CAPACITOR CH 50V 270P	1	
C3043	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3044	ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C3045-48	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	4	
C3049	ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C3050,51	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C3052	ECEV0JV220Q	E.CAPACITOR 6.3V 22U	1	
C3053	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3080	ERJ6GEYJ221	C.RESISTOR 1/10W 220	1	
C3081	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3083	ECUM1H681JCN	C.CAPACITOR CH 50V 680P	1	
C3085	ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C3086	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3087	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3088	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C3102	ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C3103	ECQV1H154JZ	P.CAPACITOR 50V 0.15U	1	
C3105,06	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	2	
C3107	ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C3108	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3109,10	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C3111	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C3112-14	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C3115-20	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	6	
C3121	ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C3122,23	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	2	
C3124	ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C3125-27	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
C3129-32	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	4	
C3133	ECEV1HV010Q	E.CAPACITOR 50V 1U	1	
C3135,36	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C3138	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3139	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C3140	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3141	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3201	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3202	ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	1	
C3203	ECHU1C392GB	P.CAPACITOR 16V 3900P	1	
C3204	ECQV1H154JZ	P.CAPACITOR 50V 0.15U	1	
C3205	ECQV1H334JZ	P.CAPACITOR 50V 0.33U	1	
C3206	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3207	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3208	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3209	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C3210	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3211	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3212	ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	1	
C3213	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C3214,15	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C3216	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3217,18	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C3220	ECEV0GV101Q	E.CAPACITOR 4V 100U	1	
C3221	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3223	ECUM1H152KBN	C.CAPACITOR CH 50V 1500P	1	
C3224	ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	1	
C3225	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3226,27	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	2	
C3228	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C3229,30	ECUM1H561JCN	C.CAPACITOR CH 50V 560P	2	
C3231	ECEV0JV330Q	E.CAPACITOR 6.3V 33U	1	
C3232	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3233	ECEV1EV4R7Q	E.CAPACITOR 25V 4.7U	1	
C3234,35	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	2	
C3237	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3238	ECEV1EN4R7Q	E.CAPACITOR 25V 4.7U	1	
C3239-41	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	3	
C3242	ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C3244,45	ECEV1EV4R7Q	E.CAPACITOR 25V 4.7U	2	
C3246	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C3247	ECEV1HVR47Q	E.CAPACITOR 50V 0.47U	1	
C3248	ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	1	
C3251	ECUM1H070DCN	C.CAPACITOR CH 50V 7P	1	
C3253,54	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
C3255	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3256-58	ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	3	
C3259	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3260	ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C3261	ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	1	
C3268	ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	1	
C3269	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3297	ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C3298	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3299	ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	1	
C3305	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3306-18	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	13	
C3319-23	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	5	
C3325	ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	
C3326	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C3327	ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C3328	ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C3329	ECUM1H271JCN	C.CAPACITOR CH 50V 270P	1	
C3330	ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C3331	ECUM1H391JCN	C.CAPACITOR CH 50V 390P	1	
C3332	ECUM1H390JCN	C.CAPACITOR CH 50V 39P	1	
C3334	ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C3336	ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C3337	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3338-41	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	4	
C3342	ECEV1HV3R3Q	E.CAPACITOR 50V 3.3U	1	
C3343	ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C3344	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3345,46	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C3347	ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C3401	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3402	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3404-06	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	3	
C3443-46	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	4	
C3447,48	ECUM1H150JCN	C.CAPACITOR CH 50V 15P	2	
C3449-65	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	17	
C3466	ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C3467	ECEV1HV2R2Q	E.CAPACITOR 50V 2.2U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3468-71	ECEV0JV220Q	E.CAPACITOR 6.3V 22U	4	
C3472	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3473	ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C3474	ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U	1	
C3475	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3476	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3478	ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	
C3479	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3501	ECEV0JV101Q	E.CAPACITOR 6.3V 100U	1	
C3502	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3503,04	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	2	
C3505	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3506	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3507	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3508	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
D3001-03	MA151K	DIODE	3	<R>
D3201,02	1SS283	DIODE	2	<R>
D3203	MA151K	DIODE	1	<R>
D3206	MA165	DIODE	1	<R>
D3401	MA28W-B	DIODE	1	<R>
D3501	11EQS04	DIODE	1	<R>
FL3001	ELB4R031	FILTER	1	
FL3101	VLF1050	FILTER	1	
FL3102,03	VLF1155	FILTER	2	
FL3201	VLF1045	FILTER	1	
FL3202	VLF1156	FILTER	1	
FL3203	VLF1157	FILTER	1	
FL3204	VLF1156	FILTER	1	
FL3205	VLF1157	FILTER	1	
FL3301	ELB4H068	FILTER	1	
FL3401	VLF0526	FILTER	1	
FL3402-04	VLF0523	FILTER	3	
FL3405	VLF0526	FILTER	1	
FL3406	VLF1156	FILTER	1	
FL3407	VLF1157	FILTER	1	
IC3001	MC74HC86F	IC	1	<R>
IC3002	TC7S04F	IC	1	<R>
IC3003	NJM78L05UA	IC	1	<R>
IC3004	M52083FP	IC	1	<R>
IC3005	LM324NS	IC	1	<R>
IC3006	AN6308S	IC	1	<R>
IC3007	MC14052BF	IC	1	<R>
IC3010	AN78N05	IC	1	<R>
IC3101	NJM2234MA	IC	1	<R>
IC3102	TL8823F	IC	1	<R>
IC3103	NJM2233BMA	IC	1	<R>
IC3201	NJM592M8	IC	1	<R>
IC3202	MC14577CP	IC	1	<R>
IC3203	NJM2235MA	IC	1	<R>
IC3204	TC4W53F	IC	1	<R>
IC3205	TA75S01F85	IC	1	<R>
IC3206	AN3296S	IC	1	<R>
IC3207	NJM78L05UA	IC	1	<R>
IC3208	TK16031M	IC	1	<R>
IC3301	NJM2234MA	IC	1	<R>
IC3302,03	AN6308S	IC	2	<R>
IC3401	MC74HC157AF	IC	1	<R>
IC3402,03	MC74HC163AF	IC	2	<R>
IC3404	MC74HC32AF	IC	1	<R>
IC3405	MC74HC74AF	IC	1	<R>
IC3406	TC7WU04F	IC	1	<R>
IC3407	MC74HC08AF	IC	1	<R>
IC3408	MC74HC74AF	IC	1	<R>
IC3409	MC74HC04AF	IC	1	<R>
IC3410	MN4538BS	IC	1	<R>
IC3411	HM63021FP	IC	1	<R>

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC3412	MC74HC541AF	IC	1	<R>
IC3413	MB40778PF	IC	1	<R>
IC3414	MC74HC32AF	IC	1	<R>
IC3416	TC4S30F	IC	1	<R>
IC3417	MC14577CP	IC	1	<R>
IC3418	CXD1175AM	IC	1	<R>
IC3419	MC74HC74AF	IC	1	<R>
IC3420	TC7S08F	IC	1	<R>
IC3421	TC7S04F	IC	1	<R>
L3001	VLQ0163J181	COIL 180UH	1	
L3002	VLQ0163J390	COIL 39UH	1	
L3003	VLQ0163J330	COIL 33UH	1	
L3006	VLQ0163J270	COIL 27UH	1	
L3007,08	VLQ0163J330	COIL 33UH	2	
L3009	VLQ0163J100	COIL 10UH	1	
L3010	VLQ0163J120	COIL 12UH	1	
L3011	VLQ0163J180	COIL 18UH	1	
L3012,13	VLQ0163J100	COIL 10UH	2	
L3014	VLQ0163J101	COIL 100UH	1	
L3015-17	VLQ0319K101	COIL 100UH	3	
L3018	VLQ0133J271	COIL 270UH	1	
L3019	VLQ0163J101	COIL 100UH	1	
L3020	VLQ0133J821	COIL 820UH	1	
L3021	VLQ0163J151	COIL 150UH	1	
L3022	VLQ0163J390	COIL 39UH	1	
L3023	VLQ0163J820	COIL 82UH	1	
L3101	VLQ0133J331	COIL 330UH	1	
L3102	VLQ0133J561	COIL 560UH	1	
L3103	VLQ0133J391	COIL 390UH	1	
L3104	VLQ0133J561	COIL 560UH	1	
L3105	VLQ0133J102	COIL 1000UH	1	
L3107	VLQ0163J151	COIL 150UH	1	
L3108	VLQ0163J220	COIL 22UH	1	
L3109,10	VLQ0163J330	COIL 33UH	2	
L3111,12	VLQ0319K101	COIL 100UH	2	
L3113	VLQ0133J681	COIL 680UH	1	
L3114	VLQ0163J150	COIL 15UH	1	
L3203	VLQEL05K271J	COIL	1	
L3205-08	VLQ0319K101	COIL 100UH	4	
L3211	VLQ0163J560	COIL 56UH	1	
L3225	VLQ0319K101	COIL 100UH	1	
L3307	VLQ0163J820	COIL 82UH	1	
L3308	VLQ0163J151	COIL 150UH	1	
L3311	VLQ0163J101	COIL 100UH	1	
L3312,13	VLQ0163J221	COIL 220UH	2	
L3314	VLQ0163J4R7	COIL 4.7UH	1	
L3315	VLQ0163J6R8	COIL 6.8UH	1	
L3316-19	VLQ0319K101	COIL 100UH	4	
L3320	VLQ0163J6R8	COIL 6.8UH	1	
L3321	VLQ0163J151	COIL 150UH	1	
L3401-05	VLQ0319K101	COIL 100UH	5	
P3002	VJP3080	CONNECTOR (MALE)	1	
P3931	VJP3176B100	CONNECTOR (MALE)	1	
Q3001	MSD601-R	TRANSISTOR	1	<R>
Q3002	2SD1328-S	TRANSISTOR	1	<R>
Q3003	2SB643	TRANSISTOR	1	<R>
Q3004	MSC2295-B	TRANSISTOR	1	<R>
Q3005	2SK374-R	TRANSISTOR	1	<R>
Q3006,07	MSD601-R	TRANSISTOR	2	<R>
Q3008,09	MSC2295-B	TRANSISTOR	2	<R>
Q3010	MSB709-R	TRANSISTOR	1	<R>
Q3011	MSC2295-B	TRANSISTOR	1	<R>
Q3013,14	MSC2295-B	TRANSISTOR	2	<R>
Q3015	MSB709-R	TRANSISTOR	1	<R>
Q3016	MSC2295-B	TRANSISTOR	1	<R>
Q3101	MSC2295-B	TRANSISTOR	1	<R>

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q3104,05	MSC2295-B	TRANSISTOR	2	<R>
Q3106	MSB709-R	TRANSISTOR	1	<R>
Q3107	MSC2295-B	TRANSISTOR	1	<R>
Q3108	MSB709-R	TRANSISTOR	1	<R>
Q3109	MSC2295-B	TRANSISTOR	1	<R>
Q3111	MSB709-R	TRANSISTOR	1	<R>
Q3112	MSD601-R	TRANSISTOR	1	<R>
Q3113	MSC2295-B	TRANSISTOR	1	<R>
Q3114,15	MSD601-R	TRANSISTOR	2	<R>
Q3116	MSC2295-B	TRANSISTOR	1	<R>
Q3117,18	MSD601-R	TRANSISTOR	2	<R>
Q3119	MSC2295-B	TRANSISTOR	1	<R>
Q3120	MSD601-R	TRANSISTOR	1	<R>
Q3121	XN1213	TRANSISTOR	1	<R>
Q3122	MSB709-R	TRANSISTOR	1	<R>
Q3201-03	MSD601-R	TRANSISTOR	3	<R>
Q3204-08	MSC2295-B	TRANSISTOR	5	<R>
Q3210,11	MSD601-R	TRANSISTOR	2	<R>
Q3213	XN1504	TRANSISTOR	1	<R>
Q3214-17	MSD601-R	TRANSISTOR	4	<R>
Q3219	MSD601-R	TRANSISTOR	1	<R>
Q3221	MSD601-R	TRANSISTOR	1	<R>
Q3222	MSC2295-B	TRANSISTOR	1	<R>
Q3223	MSD601-R	TRANSISTOR	1	<R>
Q3301	MSD601-R	TRANSISTOR	1	<R>
Q3302	MSB709-R	TRANSISTOR	1	<R>
Q3303	MSD601-R	TRANSISTOR	1	<R>
Q3304	MSC2295-B	TRANSISTOR	1	<R>
Q3305	MSB709-R	TRANSISTOR	1	<R>
Q3306-11	MSD601-R	TRANSISTOR	6	<R>
Q3312	MSC2295-B	TRANSISTOR	1	<R>
Q3401	MSD601-R	TRANSISTOR	1	<R>
QR3001	MRN2404	TRANSISTOR-RESISTOR	1	<R>
QR3002	DTC363EK	TRANSISTOR-RESISTOR	1	<R>
QR3003,04	MRN1404	TRANSISTOR-RESISTOR	2	<R>
QR3005	MRN2404	TRANSISTOR-RESISTOR	1	<R>
QR3006	MRN1404	TRANSISTOR-RESISTOR	1	<R>
QR3009	MRN2404	TRANSISTOR-RESISTOR	1	<R>
QR3010,11	MRN1404	TRANSISTOR-RESISTOR	2	<R>
QR3102	MRN2404	TRANSISTOR-RESISTOR	1	<R>
QR3201,02	MRN1404	TRANSISTOR-RESISTOR	2	<R>
QR3401	XN4501	TRANSISTOR	1	<R>
		RESISTORS		
R3001	ERJ6GEYJ271	M.RESISTOR CH1/10W 270	1	
R3002	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R3003	ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R3004	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3005	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R3006	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R3007,08	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	2	
R3009	ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R3010,11	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R3012	ERJ6GEYJ820	M.RESISTOR CH1/10W 82	1	
R3013	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R3015	ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R3016	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3018	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R3019	ERJ6GEYJ271	M.RESISTOR CH1/10W 270	1	
R3020	ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R3021	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R3022	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3023	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R3025	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3026	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R3027	ERJ6GEYJ683	M.RESISTOR CH1/10W 68K	1	
R3029	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R3030	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3031-33	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	3	
R3034	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3036	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3037	ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R3038	ERJ6GEYJ393	M.RESISTOR CH1/10W 39K	1	
R3039	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3040	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R3041	ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
R3042	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R3044-47	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	4	
R3048-50	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	3	
R3051	ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R3052	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3053	ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R3054	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R3055	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R3056	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3057	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R3058,59	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R3060	ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R3061	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R3065	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R3067,68	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R3069	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R3070	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3071	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3072	ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R3073	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R3074	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3075	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R3077	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3079	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R3080	ERJ6GEYJ224	M.RESISTOR CH1/10W 220K	1	
R3081	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R3082	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R3083	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3084	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R3085	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3086	ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R3089	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R3090	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3104-14	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	11	
R3115	ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R3116,17	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R3118	ERJ6GEYG151	M.RESISTOR CH1/10W 150	1	
R3119-28	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	10	
R3129	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	1	
R3130	ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R3131,32	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	2	
R3133,34	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R3135	ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R3136-39	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	4	
R3140	ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R3141,42	ERJ6GEYF333	M.RESISTOR CH1/10W 33K	2	
R3143	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R3144	ERJ6GEYJ393	M.RESISTOR CH1/10W 39K	1	
R3145	ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R3146	ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R3147	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R3149,50	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	2	
R3151	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R3152	ERJ6GEYJ391	M.RESISTOR CH1/10W 390	1	
R3153	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R3154	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3156	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R3157,58	ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	2	
R3159	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3200	ERJ6GEYJ271	M.RESISTOR CH1/10W 270	1	
R3201,02	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R3203-05	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	3	
R3206	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	1	
R3207	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R3208	ERJ6GEYJ391	M.RESISTOR CH1/10W 390	1	
R3209	ERJ6GEYF333	M.RESISTOR CH1/10W 33K	1	
R3210	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R3211	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3212	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3213	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R3214-16	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	3	
R3217	ERJ6GEYJ271	M.RESISTOR CH1/10W 270	1	
R3218	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3219	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3220	ERJ6GEYJ820	M.RESISTOR CH1/10W 82	1	
R3221-23	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	3	
R3224	ERJ6GEYJ393	M.RESISTOR CH1/10W 39K	1	
R3225	ERJ6GEYJ113	M.RESISTOR CH1/10W 11K	1	
R3226	ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R3227	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R3228	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3229	ERJ6GEYF333	M.RESISTOR CH1/10W 33K	1	
R3230	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3231	ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R3232	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R3233	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R3234	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3235	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R3236,37	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	2	
R3238	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R3239	ERJ6GEYG151	M.RESISTOR CH1/10W 150	1	
R3240	ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R3241	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R3242	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3243	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R3244	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R3245	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	1	
R3246	ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R3247-50	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	4	
R3252	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3254	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3255	ERJ6GEYJ393	M.RESISTOR CH1/10W 39K	1	
R3256	ERJ6GEYF333	M.RESISTOR CH1/10W 33K	1	
R3257,58	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	2	
R3259	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R3260	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3261	ERJ6GEYJ683	M.RESISTOR CH1/10W 68K	1	
R3262	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3263	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R3264	ERJ6GEYJ474	M.RESISTOR CH1/10W 470K	1	
R3266	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R3267	ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R3268	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	1	
R3269	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3270	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3271	ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R3272	ERJ6GEYJ683	M.RESISTOR CH1/10W 68K	1	
R3273	ERJ6GEYJ684	M.RESISTOR CH1/10W 680K	1	
R3274	ERJ6GEYJ753	M.RESISTOR CH1/10W 75K	1	
R3275	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3276	VRE0034E473	M.RESISTOR CH 1/10W 47K	1	
R3277	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	1	
R3278	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3279	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R3280	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R3281,82	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R3283	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R3285	ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R3286	ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R3287	ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R3288	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R3289	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3290	ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R3291	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R3292	ERJ6GEYJ820	M.RESISTOR CH1/10W 82	1	
R3293	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R3294	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	1	
R3295	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3296	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3297	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R3298,99	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	2	
R3300	ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R3302	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3305	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3306	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R3308	ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R3309,10	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R3311	ERJ6GEYJ391	M.RESISTOR CH1/10W 390	1	
R3312-16	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	5	
R3317	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3318	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R3319	ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R3320	ERJ6GEYJ621	M.RESISTOR CH1/10W 620	1	
R3321	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R3322	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3323	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R3324	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	1	
R3325,26	ERJ6GEYJ221	M.RESISTOR CH1/10W 220	2	
R3327-33	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	7	
R3334,35	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	2	
R3336	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R3337,38	ERJ6GEYJ331	M.RESISTOR CH1/10W 330	2	
R3339	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R3340	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R3341	ERJ6GEYJ511	M.RESISTOR CH1/10W 510	1	
R3342	ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R3343	ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R3344	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R3345,46	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	2	
R3347,48	ERJ6GEYJ820	M.RESISTOR CH1/10W 82	2	
R3349	ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R3351	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3352	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R3353	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3354	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R3355	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3357	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R3358	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3359	ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R3360	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3361	ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R3403	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3405-08	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	4	
R3409	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3411,12	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R3413-16	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	4	
R3418	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3419	ERJ6GEYJ100	M.RESISTOR CH1/10W 10	1	
R3420,21	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	2	
R3422	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3423	ERJ6GEYJ564	M.RESISTOR CH1/10W 560K	1	
R3424,25	ERJ6GEYG103	M.RESISTOR CH1/10W 10K	2	
R3426	ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R3427	ERJ6GEYG302	M.RESISTOR CH1/10W 3K	1	
R3428	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R3430-32	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	3	
R3440-44	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	5	
R3447-54	ERJ6GEYG680	M.RESISTOR CH1/10W 68	8	
R3456-60	ERJ6GEYG680	M.RESISTOR CH1/10W 68	5	
R3461	ERJ6GEYF333	M.RESISTOR CH1/10W 33K	1	
R3462	VRE0034E103	M.RESISTOR CH 1/10W 10K	1	
R3463-65	ERJ6GEYG680	M.RESISTOR CH1/10W 68	3	
R3466	ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R3468	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3469	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R3471	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R3472	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3473,74	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	2	
R3475	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3476	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R3477	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3478	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3480	ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R3501	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3504	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	1	
R3505	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R3506	ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R3507	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R3508	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3509	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3510	ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R3511	ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
SW3401,02	VSR0045	SWITCH	2	<R>
VR3001,02	EVM7JGA00B24	V.RESISTOR 20K	2	
VR3003	EVN32CA00B24	V.RESISTOR 20K	1	
VR3004-08	EVN32CA00B54	V.RESISTOR 50K	5	
VR3101,02	EVM7DGA00B13	V.RESISTOR 1K	2	
VR3201,02	EVM7DGA00B13	V.RESISTOR 1K	2	
VR3301	EVM7DGA00B23	V.RESISTOR 2K	1	
VR3401	EVN32CA00B24	V.RESISTOR 20K	1	
X3401	VSX0540	CRYSTAL OSCILLATOR	1	<R>
		MISCELLANEOUS		
E111	VSC2051	SHIELD CASE (MIDDLE)	1	
E112	VSC2052	SHIELD CASE (LOWER)	1	
E113	ERDS2T0	CARBON RESISTOR	1	
	VEP03B43B	P.C.BOARD W/COMPONENT		AG-7600E
		VIDEO I/O		
		CAPACITORS		
C3001-03	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	3	
C3006	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3007	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3008	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C3009	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3010	ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C3011	ECUM1H391JCN	C.CAPACITOR CH 50V 390P	1	
C3012	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3013	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3014	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3015	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3016	ECEV1HV3R3Q	E.CAPACITOR 50V 3.3U	1	
C3017	ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C3018-20	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	3	
C3021	ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C3022-24	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	3	
C3025	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3026	ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C3027	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3028-30	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	3	
C3032,33	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
C3034	ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C3035	ECUM1H390JCN	C.CAPACITOR CH 50V 39P	1	
C3037	ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C3038	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3039,40	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C3041	ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C3042	ECUM1H271JCN	C.CAPACITOR CH 50V 270P	1	
C3043	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3044	ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C3045-48	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	4	
C3049	ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3050,51	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C3053	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3080	ERJ6GEYJ221	C.RESISTOR 1/10W 220	1	
C3081	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3083	ECUM1H681JCN	C.CAPACITOR CH 50V 680P	1	
C3085	ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C3086	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3087	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3088	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C3102	ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C3103	ECQV1H154JZ	P.CAPACITOR 50V 0.15U	1	
C3105,06	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	2	
C3107	ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C3108	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3109,10	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C3111	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C3112-14	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C3115-20	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	6	
C3121	ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C3122,23	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	2	
C3124	ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C3125-27	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
C3129-32	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	4	
C3133	ECEV1HV010Q	E.CAPACITOR 50V 1U	1	
C3135,36	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C3138	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3139	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C3140	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3141	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3201	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3202	ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	1	
C3203	ECHU1C392GB	P.CAPACITOR 16V 3900P	1	
C3204	ECQV1H154JZ	P.CAPACITOR 50V 0.15U	1	
C3205	ECQV1H334JZ	P.CAPACITOR 50V 0.33U	1	
C3206	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3207	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3208	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3209	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C3210	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3211	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3212	ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	1	
C3213	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C3214,15	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C3216	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3217,18	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C3220	ECEV0GV101Q	E.CAPACITOR 4V 100U	1	
C3221	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3223	ECUM1H152KBN	C.CAPACITOR CH 50V 1500P	1	
C3224	ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	1	
C3225	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3226,27	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	2	
C3228	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C3229,30	ECUM1H561JCN	C.CAPACITOR CH 50V 560P	2	
C3231	ECEV0JV330Q	E.CAPACITOR 6.3V 33U	1	
C3232	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3233	ECEV1EV4R7Q	E.CAPACITOR 25V 4.7U	1	
C3234,35	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	2	
C3237	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3239-41	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	3	
C3242	ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C3244,45	ECEV1EV4R7Q	E.CAPACITOR 25V 4.7U	2	
C3246	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C3247	ECEV1HVR47Q	E.CAPACITOR 50V 0.47U	1	
C3248	ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	1	
C3251	ECUM1H070DCN	C.CAPACITOR CH 50V 7P	1	
C3253,54	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
C3255	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3256-58	ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	3	
C3259	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3260	ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C3261	ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	1	
C3268	ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	1	
C3269	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3297	ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C3298	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3299	ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	1	
C3401	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3402	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3404-06	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	3	
C3443-46	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	4	
C3447,48	ECUM1H150JCN	C.CAPACITOR CH 50V 15P	2	
C3449-65	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	17	
C3466	ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C3467	ECEV1HV2R2Q	E.CAPACITOR 50V 2.2U	1	
C3468-71	ECEV0JV220Q	E.CAPACITOR 6.3V 22U	4	
C3472	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3473	ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C3474	ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U	1	
C3475	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3476	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3478	ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	
C3479	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3501	ECEV0JV101Q	E.CAPACITOR 6.3V 100U	1	
C3502	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3503,04	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	2	
C3505	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3506	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3507	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3508	ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
D3002,03	MA151K	DIODE	2	<R>
D3201,02	1SS283	DIODE	2	<R>
D3203	MA151K	DIODE	1	<R>
D3206	MA165	DIODE	1	<R>
D3401	MA28W-B	DIODE	1	<R>
D3501	11EQS04	DIODE	1	<R>
FL3001	ELB4R031	FILTER	1	
FL3101	VLF1050	FILTER	1	
FL3102,03	VLF1155	FILTER	2	
FL3201	VLF1045	FILTER	1	
FL3202	VLF1156	FILTER	1	
FL3203	VLF1157	FILTER	1	
FL3204	VLF1156	FILTER	1	
FL3205	VLF1157	FILTER	1	
FL3401	VLF0526	FILTER	1	
FL3402-04	VLF0523	FILTER	3	
FL3405	VLF0526	FILTER	1	
FL3406	VLF1156	FILTER	1	
FL3407	VLF1157	FILTER	1	
IC3001	MC74HC86F	IC	1	<R>
IC3002	TC7S04F	IC	1	<R>
IC3003	NJM78L05UA	IC	1	<R>
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IC3005	LM324NS	IC	1	<R>
IC3006	AN6308S	IC	1	<R>
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IC3010	AN78N05	IC	1	<R>
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IC3202	MC14577CP	IC	1	<R>
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IC3401	MC74HC157AF	IC	1	<R>
IC3402,03	MC74HC163AF	IC	2	<R>
IC3404	MC74HC32AF	IC	1	<R>
IC3405	MC74HC74AF	IC	1	<R>

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC3406	TC7WU04F	IC	1	<R>
IC3407	MC74HC08AF	IC	1	<R>
IC3408	MC74HC74AF	IC	1	<R>
IC3409	MC74HC04AF	IC	1	<R>
IC3410	MN4538BS	IC	1	<R>
IC3411	HM63021FP	IC	1	<R>
IC3412	MC74HC541AF	IC	1	<R>
IC3413	MB40778PF	IC	1	<R>
IC3414	MC74HC32AF	IC	1	<R>
IC3416	TC4S30F	IC	1	<R>
IC3417	MC14577CP	IC	1	<R>
IC3418	CXD1175AM	IC	1	<R>
IC3419	MC74HC74AF	IC	1	<R>
IC3420	TC7S08F	IC	1	<R>
IC3421	TC7S04F	IC	1	<R>
L3001	VLQ0163J181	COIL 180UH	1	
L3002	VLQ0163J390	COIL 39UH	1	
L3003	VLQ0163J330	COIL 33UH	1	
L3006	VLQ0163J270	COIL 27UH	1	
L3007,08	VLQ0163J330	COIL 33UH	2	
L3009	VLQ0163J100	COIL 10UH	1	
L3010	VLQ0163J120	COIL 12UH	1	
L3011	VLQ0163J180	COIL 18UH	1	
L3012,13	VLQ0163J100	COIL 10UH	2	
L3014	VLQ0163J101	COIL 100UH	1	
L3015-17	VLQ0319K101	COIL 100UH	3	
L3018	VLQ0133J271	COIL 270UH	1	
L3019	VLQ0163J101	COIL 100UH	1	
L3020	VLQ0133J821	COIL 820UH	1	
L3021	VLQ0163J151	COIL 150UH	1	
L3022	VLQ0163J390	COIL 39UH	1	
L3023	VLQ0163J820	COIL 82UH	1	
L3101	VLQ0133J331	COIL 330UH	1	
L3102	VLQ0133J561	COIL 560UH	1	
L3103	VLQ0133J391	COIL 390UH	1	
L3104	VLQ0133J561	COIL 560UH	1	
L3105	VLQ0133J102	COIL 1000UH	1	
L3107	VLQ0163J151	COIL 150UH	1	
L3108	VLQ0163J220	COIL 22UH	1	
L3109,10	VLQ0163J330	COIL 33UH	2	
L3111,12	VLQ0319K101	COIL 100UH	2	
L3113	VLQ0133J681	COIL 680UH	1	
L3114	VLQ0163J150	COIL 15UH	1	
L3203	VLQEL05K271J	COIL	1	
L3205-08	VLQ0319K101	COIL 100UH	4	
L3211	VLQ0163J560	COIL 56UH	1	
L3225	VLQ0319K101	COIL 100UH	1	
L3317	VLQ0319K101	COIL 100UH	1	
L3401-05	VLQ0319K101	COIL 100UH	5	
P3002	VJP3080	CONNECTOR (MALE)	1	
P3931	VJP3176B100	CONNECTOR (MALE)	1	
Q3001	MSD601-R	TRANSISTOR	1	<R>
Q3002	2SD1328-S	TRANSISTOR	1	<R>
Q3004	MSC2295-B	TRANSISTOR	1	<R>
Q3005	2SK374-R	TRANSISTOR	1	<R>
Q3006,07	MSD601-R	TRANSISTOR	2	<R>
Q3008,09	MSC2295-B	TRANSISTOR	2	<R>
Q3010	MSB709-R	TRANSISTOR	1	<R>
Q3011	MSC2295-B	TRANSISTOR	1	<R>
Q3013,14	MSC2295-B	TRANSISTOR	2	<R>
Q3015	MSB709-R	TRANSISTOR	1	<R>
Q3016	MSC2295-B	TRANSISTOR	1	<R>
Q3101	MSC2295-B	TRANSISTOR	1	<R>
Q3104,05	MSC2295-B	TRANSISTOR	2	<R>
Q3106	MSB709-R	TRANSISTOR	1	<R>
Q3107	MSC2295-B	TRANSISTOR	1	<R>

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q3108	MSB709-R	TRANSISTOR	1	<R>
Q3109	MSC2295-B	TRANSISTOR	1	<R>
Q3111	MSB709-R	TRANSISTOR	1	<R>
Q3112	MSD601-R	TRANSISTOR	1	<R>
Q3113	MSC2295-B	TRANSISTOR	1	<R>
Q3114,15	MSD601-R	TRANSISTOR	2	<R>
Q3116	MSC2295-B	TRANSISTOR	1	<R>
Q3117,18	MSD601-R	TRANSISTOR	2	<R>
Q3119	MSC2295-B	TRANSISTOR	1	<R>
Q3120	MSD601-R	TRANSISTOR	1	<R>
Q3121	XN1213	TRANSISTOR	1	<R>
Q3122	MSB709-R	TRANSISTOR	1	<R>
Q3201-03	MSD601-R	TRANSISTOR	3	<R>
Q3204-08	MSC2295-B	TRANSISTOR	5	<R>
Q3210,11	MSD601-R	TRANSISTOR	2	<R>
Q3213	XN1504	TRANSISTOR	1	<R>
Q3214-17	MSD601-R	TRANSISTOR	4	<R>
Q3219	MSD601-R	TRANSISTOR	1	<R>
Q3221	MSD601-R	TRANSISTOR	1	<R>
Q3222	MSC2295-B	TRANSISTOR	1	<R>
Q3223	MSD601-R	TRANSISTOR	1	<R>
Q3401	MSD601-R	TRANSISTOR	1	<R>
QR3003,04	MRN1404	TRANSISTOR-RESISTOR	2	<R>
QR3005	MRN2404	TRANSISTOR-RESISTOR	1	<R>
QR3006	MRN1404	TRANSISTOR-RESISTOR	1	<R>
QR3009	MRN2404	TRANSISTOR-RESISTOR	1	<R>
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QR3201,02	MRN1404	TRANSISTOR-RESISTOR	2	<R>
QR3401	XN4501	TRANSISTOR	1	<R>
		RESISTORS		
R3001	ERJ6GEYJ271	M.RESISTOR CH1/10W 270	1	
R3002	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R3003	ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R3004	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3009	ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R3010,11	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R3012	ERJ6GEYJ820	M.RESISTOR CH1/10W 82	1	
R3013	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R3015	ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R3016	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3018	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R3019	ERJ6GEYJ271	M.RESISTOR CH1/10W 270	1	
R3020	ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R3021	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R3022	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3023	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R3025	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3026	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R3027	ERJ6GEYJ683	M.RESISTOR CH1/10W 68K	1	
R3029	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R3030	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3031-33	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	3	
R3034	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3036	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3037	ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R3038	ERJ6GEYJ393	M.RESISTOR CH1/10W 39K	1	
R3039	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3040	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R3041	ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
R3042	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R3044-47	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	4	
R3048-50	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	3	
R3051	ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R3052	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3053	ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R3054	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R3055	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R3056	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3057	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R3058,59	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R3060	ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R3061	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R3065	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R3067,68	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R3069	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R3070	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3071	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3072	ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R3073	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R3074	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3075	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R3077	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3079	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R3080	ERJ6GEYJ224	M.RESISTOR CH1/10W 220K	1	
R3081	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R3082	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R3083	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3084	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R3085	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3086	ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R3089	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R3090	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3104-14	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	11	
R3115	ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R3116,17	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R3118	ERJ6GEYG151	M.RESISTOR CH1/10W 150	1	
R3119-28	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	10	
R3129	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	1	
R3130	ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R3131,32	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	2	
R3133,34	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R3135	ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R3136-39	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	4	
R3140	ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R3141,42	ERJ6GEYF333	M.RESISTOR CH1/10W 33K	2	
R3143	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R3144	ERJ6GEYJ393	M.RESISTOR CH1/10W 39K	1	
R3145	ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R3146	ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R3147	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R3149,50	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	2	
R3151	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R3152	ERJ6GEYJ391	M.RESISTOR CH1/10W 390	1	
R3153	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R3154	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3156	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R3157,58	ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	2	
R3159	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3200	ERJ6GEYJ271	M.RESISTOR CH1/10W 270	1	
R3201,02	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R3203-05	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	3	
R3206	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	1	
R3207	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R3208	ERJ6GEYJ391	M.RESISTOR CH1/10W 390	1	
R3209	ERJ6GEYF333	M.RESISTOR CH1/10W 33K	1	
R3210	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R3211	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3212	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	1	
R3213	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R3214-16	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	3	
R3217	ERJ6GEYJ271	M.RESISTOR CH1/10W 270	1	
R3218	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3219	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3220	ERJ6GEYJ820	M.RESISTOR CH1/10W 82	1	
R3221-23	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	3	
R3224	ERJ6GEYJ393	M.RESISTOR CH1/10W 39K	1	
R3225	ERJ6GEYJ113	M.RESISTOR CH1/10W 11K	1	
R3226	ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R3227	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R3228	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3229	ERJ6GEYF333	M.RESISTOR CH1/10W 33K	1	
R3230	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3231	ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3232	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R3233	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R3234	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3235	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R3236,37	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	2	
R3238	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R3239	ERJ6GEYG151	M.RESISTOR CH1/10W 150	1	
R3240	ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R3241	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R3242	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3243	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R3244	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R3245	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	1	
R3246	ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R3247-50	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	4	
R3252	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3254	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3255	ERJ6GEYJ393	M.RESISTOR CH1/10W 39K	1	
R3256	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R3257,58	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	2	
R3259	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R3260	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3261	ERJ6GEYJ683	M.RESISTOR CH1/10W 68K	1	
R3262	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3263	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R3264	ERJ6GEYJ474	M.RESISTOR CH1/10W 470K	1	
R3266	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R3267	ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R3268	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	1	
R3269	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3270	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3271	ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R3272	ERJ6GEYJ683	M.RESISTOR CH1/10W 68K	1	
R3273	ERJ6GEYJ684	M.RESISTOR CH1/10W 680K	1	
R3274	ERJ6GEYJ753	M.RESISTOR CH1/10W 75K	1	
R3275	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3276	VRE0034E473	M.RESISTOR CH 1/10W 47K	1	
R3277	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	1	
R3278	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3279	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R3280	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R3281,82	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R3283	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R3285	ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R3286	ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R3287	ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R3288	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R3289	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3290	ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R3291	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R3292	ERJ6GEYJ820	M.RESISTOR CH1/10W 82	1	
R3293	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R3294	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	1	
R3295	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3296	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3297	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R3298,99	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	2	
R3300	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
R3317	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3403	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3405-08	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	4	
R3409	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3411,12	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R3413-16	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	4	
R3418	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3419	ERJ6GEYJ100	M.RESISTOR CH1/10W 10	1	
R3420,21	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	2	
R3422	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3423	ERJ6GEYJ564	M.RESISTOR CH1/10W 560K	1	
R3424,25	ERJ6GEYG103	M.RESISTOR CH1/10W 10K	2	
R3426	ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R3427	ERJ6GEYG302	M.RESISTOR CH1/10W 3K	1	
R3428	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R3430-32	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	3	
R3440-44	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	5	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3447-54	ERJ6GEYG680	M.RESISTOR CH1/10W 68	8	
R3456-60	ERJ6GEYG680	M.RESISTOR CH1/10W 68	5	
R3461	ERJ6GEYF333	M.RESISTOR CH1/10W 33K	1	
R3462	VRE0034E103	M.RESISTOR CH 1/10W 10K	1	
R3463-65	ERJ6GEYG680	M.RESISTOR CH1/10W 68	3	
R3466	ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R3468	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3469	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R3471	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R3472	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3473,74	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	2	
R3475	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3476	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R3477	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3478	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3480	ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R3501	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3504	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	1	
R3505	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R3506	ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R3507	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R3508	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R3509	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R3510	ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R3511	ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
SW3401,02	VSR0045	SWITCH	2	<R>
VR3001,02	EVM7JGA00B24	V.RESISTOR 20K	2	
VR3003	EVN32CA00B24	V.RESISTOR 20K	1	
VR3004-08	EVN32CA00B54	V.RESISTOR 50K	5	
VR3101,02	EVM7DGA00B13	V.RESISTOR 1K	2	
VR3201,02	EVM7DGA00B13	V.RESISTOR 1K	2	
VR3401	EVN32CA00B24	V.RESISTOR 20K	1	
X3401	VSX0540	CRYSTAL OSCILLATOR	1	<R>
		MISCELLANEOUS		
E111	VSC2051	SHIELD CASE (MIDDLE)	1	
E112	VSC2052	SHIELD CASE (LOWER)	1	
E113	ERDS2T0	CARBON RESISTOR	1	
	VEP04419A	P.C.BOARD W/COMPONENT		AG-7700E ONLY
		MIC JACK		
		CAPACITORS		
C4301	ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C4302	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4303-05	ECEA1CKA470	E.CAPACITOR 16V 47U	3	
C4306	ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C4307	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4308	ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C4310,11	ECKF1H103ZF	C.CAPACITOR 50V 0.01U	2	
FL4301,02	VLF0523	FILTER	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC4301	NJM2068MD	IC	1	<R>
P4301	VJP3076	CONNECTOR (MALE)	1	
Q4301	MSD602-R	TRANSISTOR	1	<R>
		RESISTORS		
R4301,02	ERJ6GEYJ224	M.RESISTOR CH1/10W 220K	2	
R4303	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R4304	ERJ6GEYF124	M.RESISTOR CH1/10W 120K	1	
R4305	ERJ6GEYJ753	M.RESISTOR CH1/10W 75K	1	
R4306	ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R4307,08	ERJ6GEYJ224	M.RESISTOR CH1/10W 220K	2	
R4309	ERJ6GEYF124	M.RESISTOR CH1/10W 120K	1	
R4310	ERJ6GEYJ753	M.RESISTOR CH1/10W 75K	1	
R4311,12	ERJ6GEYJ330	M.RESISTOR CH1/10W 33	2	
R4314,15	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R4316	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
		MISCELLANEOUS		
E62	VSC3429	SHIELD COVER	1	
E63	VMP3224	MIC JACK ANGLE	1	
	VEP04420C	P.C.BOARD W/COMPONENT		AG-7700E
		AUDIO (1)		
	VEP00W09A	P.C.BOARD W/COMPONENT		ON VEP04420C
		TIMECODE SUB		
		CAPACITORS		
C40001	ECEA1CGE471	E.CAPACITOR 16V 470U	1	
C40002	ECUM1H153KBN	C.CAPACITOR CH 50V 0.015U	1	
C40003	ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C40004	ECSF1EE106	T.CAPACITOR 25V 10U	1	
C40006	ECEA1HN010S	E.CAPACITOR 50V 1U	1	
C40007	ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C40008,09	ECEA1CKA100	E.CAPACITOR 16V 10U	2	
C40010	ECEA1CN100S	E.CAPACITOR 16V 10U	1	
C40011	ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C40012	ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C40013	ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C40014	ECEA0JGE221	E.CAPACITOR 6.3V 220U	1	
C40015	ECEA1CGE221	E.CAPACITOR 16V 220U	1	
C40016	ECQV1H334JZ	P.CAPACITOR 50V 0.33U	1	
C40017	ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C40018	ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C40019	ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C40020	ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C40021	ECKF2H331KB	C.CAPACITOR 500V 330P	1	
C40022	ECKD2H151KB	C.CAPACITOR 500V 150P	1	
C40023	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40024	ECQP1H223JZ3	P.CAPACITOR 50V 0.022U	1	
C40025	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40026	ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C40027	ECQM2152KZ	P.CAPACITOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C40028	ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C40029	ECSF1EE336	T.CAPACITOR 25V 33U	1	
C40030	ECUM1H182KBN	C.CAPACITOR CH 50V 1800P	1	
C40031,32	ECSF1CE106	T.CAPACITOR 16V 10U	2	
C40033	ECSF1EE106	T.CAPACITOR 25V 10U	1	
C40034	ECSF1HE105	T.CAPACITOR 50V 1U	1	
C40035	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40036	ECSF1CE336	T.CAPACITOR 16V 33U	1	
C40037	ECQB1H823JF	P.CAPACITOR 50V 0.082U	1	
C40038	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C40039	ECEA1HGE4R7	E.CAPACITOR 50V 4.7U	1	
C40040	ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	1	
C40041,42	ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U	2	
C40043	ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C40044	ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C40045	ECQB1H273JF	P.CAPACITOR 50V 0.027U	1	
C40046	ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C40047	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40048	ECQB1H562JF	P.CAPACITOR 50V 5600P	1	
C40049	ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C40050	ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C40051	ECQM2152KZ	P.CAPACITOR	1	
C40052	ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C40053	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C40054	ECUM1H152KBN	C.CAPACITOR CH 50V 1500P	1	
C40055	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40056	ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C40057	ECEA1HN2R2S	E.CAPACITOR 50V 2.2U	1	
C40058	ECEA1HN010S	E.CAPACITOR 50V 1U	1	
C40059	ECUM1C104KBN	C.CAPACITOR CH 16V 0.1U	1	
C40060,61	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	2	
C40062	ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C40063	ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C40064	ECEA1EN4R7S	E.CAPACITOR 25V 4.7U	1	
C40065	ECQB1H222JF	P.CAPACITOR 50V 2200P	1	
C40066	ECUM1C104KBN	C.CAPACITOR CH 16V 0.1U	1	
C40067	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	
C40068	ECUM1H152KBN	C.CAPACITOR CH 50V 1500P	1	
C40069	ECQB1H153JF	P.CAPACITOR 50V 0.015U	1	
C40070	ECUM1H273KBN	C.CAPACITOR CH 50V 0.027U	1	
C40071	ECEA1HGE2R2	E.CAPACITOR 50V 2.2U	1	
C40072	ECQB1H222JF	P.CAPACITOR 50V 2200P	1	
C40073	ECEA1CGE471	E.CAPACITOR 16V 470U	1	
C40074	ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C40075	ECUM1H153KBN	C.CAPACITOR CH 50V 0.015U	1	
C40076	ECEA1HGE2R2	E.CAPACITOR 50V 2.2U	1	
C40077	ECUM1H182KBN	C.CAPACITOR CH 50V 1800P	1	
C40078	ECSF1EE336	T.CAPACITOR 25V 33U	1	
C40079,80	ECSF1CE106	T.CAPACITOR 16V 10U	2	
C40081	ECSF1EE106	T.CAPACITOR 25V 10U	1	
C40082	ECSF1HE105	T.CAPACITOR 50V 1U	1	
C40083	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40084	ECSF1CE336	T.CAPACITOR 16V 33U	1	
C40085	ECQB1H823JF	P.CAPACITOR 50V 0.082U	1	
C40086	ECEA1HGE4R7	E.CAPACITOR 50V 4.7U	1	
C40087	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C40088	ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	1	
C40089	ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C40090	ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C40091	ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U	1	
C40092	ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C40093	ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C40094	ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U	1	
C40095	ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C40096	ECEA1CN100S	E.CAPACITOR 16V 10U	1	
C40097	ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C40098	ECUM1H273KBN	C.CAPACITOR CH 50V 0.027U	1	
C40099	ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C40101	ECSF1EE106	T.CAPACITOR 25V 10U	1	
C40102	ECEA1HGE010	E.CAPACITOR 50V 1U	1	
C40103	ECEA0JGE221	E.CAPACITOR 6.3V 220U	1	
C40104	ECQV1H334JZ	P.CAPACITOR 50V 0.33U	1	
C40105	ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C40106	ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C40107	ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C40108	ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C40109	ECEA1CGE221	E.CAPACITOR 16V 220U	1	
C40110	ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C40111	ECQB1H273JF	P.CAPACITOR 50V 0.027U	1	
C40112	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40113	ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C40114	ECQB1H562JF	P.CAPACITOR 50V 5600P	1	
C40115	ECEA1HGE010	E.CAPACITOR 50V 1U	1	
C40116	ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C40117	ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C40118	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C40119	ECQB1H222JF	P.CAPACITOR 50V 2200P	1	
C40120	ECUM1C104KBN	C.CAPACITOR CH 16V 0.1U	1	
C40121	ECKF2H331KB	C.CAPACITOR 500V 330P	1	
C40122	ECKD2H151KB	C.CAPACITOR 500V 150P	1	
C40123	ECQM2152KZ	P.CAPACITOR	1	
C40124	ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C40125	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40126	ECUM1H152KBN	C.CAPACITOR CH 50V 1500P	1	
C40127	ECEA1HN2R2S	E.CAPACITOR 50V 2.2U	1	
C40128	ECEA1HN010S	E.CAPACITOR 50V 1U	1	
C40129	ECUM1C104KBN	C.CAPACITOR CH 16V 0.1U	1	
C40130	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	
C40131	ECUM1H152KBN	C.CAPACITOR CH 50V 1500P	1	
C40132	ECQB1H153JF	P.CAPACITOR 50V 0.015U	1	
C40133,34	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	2	
C40135	ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C40136	ECEA1EM4R7S	E.CAPACITOR 25V 4.7U	1	
C40137	ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C40138	ECQB1H222JF	P.CAPACITOR 50V 2200P	1	
C40139	ECEA1CGE471	E.CAPACITOR 16V 470U	1	
C40140,41	ECEA1CGE101	E.CAPACITOR 16V 100U	2	
C40142	ECEA1HGE220	E.CAPACITOR 50V 22U	1	
C40143	ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C40144	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C40145	ECEA1VGE330	E.CAPACITOR 35V 33U	1	
C40146	ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C40147	ECEA1VGE330	E.CAPACITOR 35V 33U	1	
C40148	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C40149	ECEA1HGE010	E.CAPACITOR 50V 1U	1	
C40150	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40151	ECEA1VGE330	E.CAPACITOR 35V 33U	1	
C40152	ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C40153	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40154	ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C40155	ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C40156-58	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	3	
C40159,60	ECEA1CKA100	E.CAPACITOR 16V 10U	2	
C40161	ECEA1AGE101	E.CAPACITOR 10V 100U	1	
C40162	ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C40163	ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C40164	ECEA1CN100S	E.CAPACITOR 16V 10U	1	
C40165,66	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C40167	ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C40168	ECEA1CN100S	E.CAPACITOR 16V 10U	1	
C40169	ECEA1VGE330	E.CAPACITOR 35V 33U	1	
C40170	ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C40171	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C40172	ECEA1VGE330	E.CAPACITOR 35V 33U	1	
C40173	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C40175	ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C40176	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C40180,81	ECEA1HGE100	E.CAPACITOR 50V 10U	2	
C40182	ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C40183	ECEA1HGE100	E.CAPACITOR 50V 10U	1	
D1,D2	MA151K	DIODE	2	<R>
D40001-11	MA151K	DIODE	11	<R>
D40012,13	MA151WA	DIODE	2	<R>
D40014,15	MA151K	DIODE	2	<R>
D40016	MA151WK	DIODE	1	<R>
D40017	MA151K	DIODE	1	<R>
D40018	MA723	DIODE	1	<R>

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
D40019	MA165	DIODE	1	<R>
FL40001,02	VLF0402	FILTER	2	
IC40001	HA12005	IC	1	<R>
IC40002	NE646N	IC	1	<R>
IC40003	HA12005	IC	1	<R>
IC40004	NE646N	IC	1	<R>
IC40005	UPC4558G2	IC	1	<R>
IC40006,07	MN1280R	IC	2	<R>
IC40008	AN360	IC	1	<R>
IC40009	MC14053BF	IC	1	<R>
IC40010-12	MC74HC595AF	IC	3	<R>
IC40013-15	TD62503F	IC	3	<R>
IC40016	MC14066BF	IC	1	<R>
IC40017	MC14053BF	IC	1	<R>
IC40018,19	AN6558S	IC	2	<R>
IC40020	M51132L	IC	1	<R>
IC40021	TC7S32F	IC	1	<R>
J40001	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
J40003-05	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	3	
L40001	VLQEL06F102K	COIL 1000UH	1	
L40002	VLQ0123	COIL	1	
L40003	VLQEL06F102K	COIL 1000UH	1	
L40004,05	VLQEL06F471K	COIL 470UH	2	
L40006	VLQEL06F102K	COIL 1000UH	1	
L40007	VLQ0123	COIL	1	
L40008,09	VLQEL06F102K	COIL 1000UH	2	
L40010	VLQ0460	COIL	1	
P40001	VJP1231T	CONNECTOR (MALE)	1	
P40002	VJP1230R	CONNECTOR (MALE)	1	
P40003	VJP1230T	CONNECTOR (MALE)	1	
P40004	VJP3176B064	CONNECTOR (MALE)	1	
Q1	2SB710	TRANSISTOR	1	<R>
Q40001	2SD1306	TRANSISTOR	1	<R>
Q40002,03	2SD1149-R	TRANSISTOR	2	<R>
Q40004	2SB709A	TRANSISTOR	1	<R>
Q40005,06	MSD601-R	TRANSISTOR	2	<R>
Q40007	MSB709-R	TRANSISTOR	1	<R>
Q40008	2SD636	TRANSISTOR	1	<R>
Q40009	2SD1862	TRANSISTOR	1	<R>
Q40010	2SB643	TRANSISTOR	1	<R>
Q40011	2SD1149-R	TRANSISTOR	1	<R>
Q40012	MSB709-R	TRANSISTOR	1	<R>
Q40013	2SD1149-R	TRANSISTOR	1	<R>
Q40014,15	2SD602A	TRANSISTOR	2	<R>
Q40016,17	2SB710A-R	TRANSISTOR	2	<R>
Q40018	2SD1862	TRANSISTOR	1	<R>
Q40019	MSB709-R	TRANSISTOR	1	<R>
Q40020,21	2SD602A	TRANSISTOR	2	<R>
Q40022,23	2SC2405-S	TRANSISTOR	2	<R>
Q40024,25	2SD1306	TRANSISTOR	2	<R>
Q40026	2SD1149-R	TRANSISTOR	1	<R>
Q40027	2SB709A	TRANSISTOR	1	<R>
Q40028	2SD1149-R	TRANSISTOR	1	<R>
Q40029,30	MSD601-R	TRANSISTOR	2	<R>
Q40031	MSB709-R	TRANSISTOR	1	<R>
Q40032	2SD636	TRANSISTOR	1	<R>
Q40033	2SD1149-R	TRANSISTOR	1	<R>

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q40034	MSB709-R	TRANSISTOR	1	<R>
Q40035	2SB643	TRANSISTOR	1	<R>
Q40036	2SD1862	TRANSISTOR	1	<R>
Q40037	MSB709-R	TRANSISTOR	1	<R>
Q40038,39	2SD602A	TRANSISTOR	2	<R>
Q40040	2SB710A-R	TRANSISTOR	1	<R>
Q40041,42	2SC2405-S	TRANSISTOR	2	<R>
Q40043	2SD1306	TRANSISTOR	1	<R>
Q40044	2SD1149-R	TRANSISTOR	1	<R>
Q40045	MSB709-R	TRANSISTOR	1	<R>
Q40046	2SB710A-R	TRANSISTOR	1	<R>
Q40047	2SD602-R	TRANSISTOR	1	<R>
Q40048	MSD601-R	TRANSISTOR	1	<R>
Q40049	2SD1862	TRANSISTOR	1	<R>
QR1-R4	UN2211	TRANSISTOR-RESISTOR	4	<R>
QR40001-03	MRN1403	TRANSISTOR-RESISTOR	3	<R>
QR40004	UN2114	TRANSISTOR-RESISTOR	1	<R>
QR40005	MRN1403	TRANSISTOR-RESISTOR	1	<R>
QR40006	MRN1404	TRANSISTOR-RESISTOR	1	<R>
QR40007	MRN1403	TRANSISTOR-RESISTOR	1	<R>
QR40008-10	MRN2403	TRANSISTOR-RESISTOR	3	<R>
QR40011	MRN1403	TRANSISTOR-RESISTOR	1	<R>
QR40012	MRN1402	TRANSISTOR-RESISTOR	1	<R>
QR40013	UN2217	TRANSISTOR-RESISTOR	1	<R>
QR40014	UN2215	TRANSISTOR-RESISTOR	1	<R>
QR40015-17	MRN1403	TRANSISTOR-RESISTOR	3	<R>
QR40018	UN2114	TRANSISTOR-RESISTOR	1	<R>
QR40019	MRN1403	TRANSISTOR-RESISTOR	1	<R>
QR40020-22	MRN2403	TRANSISTOR-RESISTOR	3	<R>
QR40023	MRN1403	TRANSISTOR-RESISTOR	1	<R>
QR40024	MRN1402	TRANSISTOR-RESISTOR	1	<R>
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QR40026	UN2215	TRANSISTOR-RESISTOR	1	<R>
QR40027	UN2217	TRANSISTOR-RESISTOR	1	<R>
QR40028	MRN1404	TRANSISTOR-RESISTOR	1	<R>
QR40029-32	MRN2404	TRANSISTOR-RESISTOR	4	<R>
		RESISTORS		
R1	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R3	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R4	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R40001-03	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	3	
R40004	ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R40005	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R40006	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R40007	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R40008	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R40009	ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R40010	ERJ6GEYJ154	M.RESISTOR CH1/10W 150K	1	
R40011,12	ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	2	
R40013	ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R40014	ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R40015	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R40016	ERJ6GEYF333	M.RESISTOR CH1/10W 33K	1	
R40017	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R40018	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R40019	ERJ6GEYJ824	M.RESISTOR CH1/10W 820K	1	
R40020,21	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	2	
R40022	ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R40023	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R40024	ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R40025	ERJ6GEYJ184	M.RESISTOR CH1/10W 180K	1	
R40026,27	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R40028	ERJ6GEYJ274	M.RESISTOR CH1/10W 270K	1	
R40029	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R40030	ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R40031	VRE0034E564	M.RESISTOR CH 1/10W 560K	1	
R40032	ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R40033	VRE0034E104	M.RESISTOR CH 1/10W 100K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R40034	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R40035	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R40036	ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R40037	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R40038	ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R40039	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R40040	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R40041	ERJ6GEYJ393	M.RESISTOR CH1/10W 39K	1	
R40042	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R40043,44	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	2	
R40045	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R40046	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R40047	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R40048	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R40049	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R40050,51	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R40052	ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R40053	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R40054	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R40055	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R40056	ERJ6GEYG181	M.RESISTOR CH1/10W 180	1	
R40057	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R40058	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R40059	ERJ6GEYF333	M.RESISTOR CH1/10W 33K	1	
R40060	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R40061	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R40062	ERJ6GEYJ564	M.RESISTOR CH1/10W 560K	1	
R40063	ERDS2TJ330	C.RESISTOR 1/4W 33	1	
R40064	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R40065	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R40066	ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R40067	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R40068	ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R40069	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R40070	ERJ6GEYJ823	M.RESISTOR CH1/10W 82K	1	
R40071	ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R40072	ERJ6GEYJ820	M.RESISTOR CH1/10W 82	1	
R40073	ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R40074	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R40075	ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R40076	ERDS1VJ100	C.RESISTOR 1/2W 10	1	
R40077	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R40078	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R40079-81	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	3	
R40082	ERJ6GEYJ155	M.RESISTOR CH1/10W 1.5M	1	
R40083	ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R40084	ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R40085	ERJ6GEYJ155	M.RESISTOR CH1/10W 1.5M	1	
R40086,87	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R40088	ERDS2TJ220	C.RESISTOR 1/4W 22	1	
R40089	ERJ6GEYF333	M.RESISTOR CH1/10W 33K	1	
R40090	ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R40091,92	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	2	
R40093,94	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	2	
R40095	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R40096	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R40097	ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R40098	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R40099	ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R40100	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R40101	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R40102	ERJ6GEYJ154	M.RESISTOR CH1/10W 150K	1	
R40103	ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R40104	VRE0034E564	M.RESISTOR CH 1/10W 560K	1	
R40105	ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R40106	VRE0034E104	M.RESISTOR CH 1/10W 100K	1	
R40107	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R40108	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R40109	ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R40110	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R40111	ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R40112	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R40113	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R40114	ERJ6GEYJ393	M.RESISTOR CH1/10W 39K	1	
R40115	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R40116	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R40117	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R40118	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R40119	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R40120	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R40121	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R40122	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R40123	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R40124	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R40125	ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R40127	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R40128	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R40129	ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R40130	ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R40131	ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R40132	ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R40133	ERJ6GEYF333	M.RESISTOR CH1/10W 33K	1	
R40134	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R40135	ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R40136	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R40137	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R40138	ERJ6GEYJ824	M.RESISTOR CH1/10W 820K	1	
R40139	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R40140	ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R40141	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R40142	ERJ6GEYJ184	M.RESISTOR CH1/10W 180K	1	
R40143	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R40144	ERJ6GEYJ274	M.RESISTOR CH1/10W 270K	1	
R40145	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R40146	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R40147	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R40148	ERJ6GEYG181	M.RESISTOR CH1/10W 180	1	
R40149	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R40150	ERJ6GEYF333	M.RESISTOR CH1/10W 33K	1	
R40151	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R40152	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R40153	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R40154	ERJ6GEYJ564	M.RESISTOR CH1/10W 560K	1	
R40155	ERJ6GEYJ820	M.RESISTOR CH1/10W 82	1	
R40157	ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R40158	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R40159	ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R40160	ERJ6GEYJ823	M.RESISTOR CH1/10W 82K	1	
R40161-63	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	3	
R40164	ERJ6GEYJ155	M.RESISTOR CH1/10W 1.5M	1	
R40165	ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R40166	ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R40167	ERJ6GEYJ155	M.RESISTOR CH1/10W 1.5M	1	
R40168	ERDS2TJ330	C.RESISTOR 1/4W 33	1	
R40169	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R40170	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R40171	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R40172	ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R40173	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R40174	ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R40175	ERDS1TJ100	C.RESISTOR 1/2W 10	1	
R40176	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R40177	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R40178-80	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	3	
R40181	ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
R40182	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R40183	ERJ6GEYJ154	M.RESISTOR CH1/10W 150K	1	
R40184	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R40185	ERJ6GEYG151	M.RESISTOR CH1/10W 150	1	
R40186	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R40187,88	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R40189	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R40190	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R40191	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R40192-99	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	8	
R40200	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R40201	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R40202	ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
R40203	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R40204	ERJ6GEYJ560	M.RESISTOR CH1/10W 56	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R40205	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R40206	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R40207,08	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R40209,10	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	2	
R40211	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R40212-15	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	4	
R40216,17	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	2	
R40218	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R40219,20	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R40221	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R40222	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R40223	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R40224-28	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	5	
R40229	ERJ6GEYG151	M.RESISTOR CH1/10W 150	1	
R40230	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R40231,32	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	2	
R40233	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R40234	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R40235,36	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R40237	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R40240,41	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	2	
R40242-46	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	5	
RY1	VSY2069	RELAY	1	
RY40001	VSY2074	RELAY	1	
TL40001	VLT0146	TRANSFORMER	1	
TL40002	VLT0143	TRANSFORMER	1	
TL40003,04	VLT0145	TRANSFORMER	2	
TL40005	VLT0146	TRANSFORMER	1	
VR40002,03	EVN32CA00B23	V.RESISTOR 2K	2	
VR40004	EVN32CA00B15	V.RESISTOR 100K	1	
VR40005	EVN32CA00B53	V.RESISTOR 5K	1	
VR40007,08	EVN32CA00B23	V.RESISTOR 2K	2	
VR40009	EVN32CA00B15	V.RESISTOR 100K	1	
VR40010	EVN32CA00B53	V.RESISTOR 5K	1	
VR40011,12	EVN32CA00B23	V.RESISTOR 2K	2	
		MISCELLANEOUS		
E67	VSC3967	SHIELD CASE	1	
E68	VSC3968	SHIELD CASE (MIDDLE)	1	
E69	VSC3969	SHIELD CASE (LOWER)	1	
E71	VSC3971	SHIELD CASE (MIDDLE)	1	
E72	VSC3972	SHIELD CASE (LOWER,BIAS)	1	
	VEP04420D	P.C.BOARD W/COMPONENT		AG-7600E
		AUDIO (1)		
		CAPACITORS		
C40001	ECEA1CGE471	E.CAPACITOR 16V 470U	1	
C40003	ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C40005	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
C40009	ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C40010	ECEA1CN100S	E.CAPACITOR 16V 10U	1	
C40011	ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C40014	ECEA0JGE221	E.CAPACITOR 6.3V 220U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C40015	ECEA1CGE221	E.CAPACITOR 16V 220U	1	
C40016	ECQV1H334JZ	P.CAPACITOR 50V 0.33U	1	
C40017	ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C40018	ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C40019	ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C40020	ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C40029	ECSF1EE336	T.CAPACITOR 25V 33U	1	
C40030	ECUM1H182KBN	C.CAPACITOR CH 50V 1800P	1	
C40031,32	ECSF1CE106	T.CAPACITOR 16V 10U	2	
C40033	ECSF1EE106	T.CAPACITOR 25V 10U	1	
C40034	ECSF1HE105	T.CAPACITOR 50V 1U	1	
C40035	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40036	ECSF1CE336	T.CAPACITOR 16V 33U	1	
C40037	ECQB1H823JF	P.CAPACITOR 50V 0.082U	1	
C40038	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C40039	ECEA1HGE4R7	E.CAPACITOR 50V 4.7U	1	
C40040	ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	1	
C40041,42	ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U	2	
C40043	ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C40044	ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C40045	ECQB1H273JF	P.CAPACITOR 50V 0.027U	1	
C40046	ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C40047	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40048	ECQB1H562JF	P.CAPACITOR 50V 5600P	1	
C40049	ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C40050	ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C40052	ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C40073	ECEA1CGE471	E.CAPACITOR 16V 470U	1	
C40074	ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C40077	ECUM1H182KBN	C.CAPACITOR CH 50V 1800P	1	
C40078	ECSF1EE336	T.CAPACITOR 25V 33U	1	
C40079,80	ECSF1CE106	T.CAPACITOR 16V 10U	2	
C40081	ECSF1EE106	T.CAPACITOR 25V 10U	1	
C40082	ECSF1HE105	T.CAPACITOR 50V 1U	1	
C40083	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40084	ECSF1CE336	T.CAPACITOR 16V 33U	1	
C40085	ECQB1H823JF	P.CAPACITOR 50V 0.082U	1	
C40086	ECEA1HGE4R7	E.CAPACITOR 50V 4.7U	1	
C40087	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C40088	ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	1	
C40091	ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U	1	
C40092	ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C40093	ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C40094	ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U	1	
C40095	ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C40096	ECEA1CN100S	E.CAPACITOR 16V 10U	1	
C40100	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
C40103	ECEA0JGE221	E.CAPACITOR 6.3V 220U	1	
C40104	ECQV1H334JZ	P.CAPACITOR 50V 0.33U	1	
C40105	ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C40106	ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C40107	ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C40108	ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C40109	ECEA1CGE221	E.CAPACITOR 16V 220U	1	
C40110	ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C40111	ECQB1H273JF	P.CAPACITOR 50V 0.027U	1	
C40112	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40113	ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C40114	ECQB1H562JF	P.CAPACITOR 50V 5600P	1	
C40115	ECEA1HGE010	E.CAPACITOR 50V 1U	1	
C40116	ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C40117	ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C40139	ECEA1CGE471	E.CAPACITOR 16V 470U	1	
C40140,41	ECEA1CGE101	E.CAPACITOR 16V 100U	2	
C40142	ECEA1HGE220	E.CAPACITOR 50V 22U	1	
C40143	ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C40144	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C40145	ECEA1VGE330	E.CAPACITOR 35V 33U	1	
C40146	ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C40147	ECEA1VGE330	E.CAPACITOR 35V 33U	1	
C40148	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C40149	ECEA1HGE010	E.CAPACITOR 50V 1U	1	
C40150	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40151	ECEA1VGE330	E.CAPACITOR 35V 33U	1	
C40152	ECEA1CGE101	E.CAPACITOR 16V 100U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C40153	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40154	ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C40155	ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C40156-58	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	3	
D40002	MA151K	DIODE	1	<R>
D40004	MA151K	DIODE	1	<R>
D40007	MA151K	DIODE	1	<R>
D40010	MA151K	DIODE	1	<R>
D40014,15	MA151K	DIODE	2	<R>
D40016	MA151WK	DIODE	1	<R>
D40017	MA151K	DIODE	1	<R>
D40018	MA723	DIODE	1	<R>
D40019	MA165	DIODE	1	<R>
FL40001,02	VLF0402	FILTER	2	
IC40001	HA12005	IC	1	<R>
IC40002	NE646N	IC	1	<R>
IC40003	HA12005	IC	1	<R>
IC40004	NE646N	IC	1	<R>
IC40006,07	MN1280R	IC	2	<R>
IC40008	AN360	IC	1	<R>
IC40009	MC14053BF	IC	1	<R>
IC40010-12	MC74HC595AF	IC	3	<R>
IC40013-15	TD62503F	IC	3	<R>
IC40021	TC7S32F	IC	1	<R>
J40005	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
J40008,09	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
L40008,09	VLQEL06F102K	COIL 1000UH	2	
P40002	VJP1230R	CONNECTOR (MALE)	1	
P40003	VJP1230T	CONNECTOR (MALE)	1	
P40004	VJP3176B064	CONNECTOR (MALE)	1	
Q40008	2SD636	TRANSISTOR	1	<R>
Q40022,23	2SC2405-S	TRANSISTOR	2	<R>
Q40024	2SD1306	TRANSISTOR	1	<R>
Q40032	2SD636	TRANSISTOR	1	<R>
Q40041,42	2SC2405-S	TRANSISTOR	2	<R>
Q40043	2SD1306	TRANSISTOR	1	<R>
Q40045	MSB709-R	TRANSISTOR	1	<R>
Q40046	2SB710A-R	TRANSISTOR	1	<R>
QR40008-10	MRN2403	TRANSISTOR-RESISTOR	3	<R>
QR40011	MRN1403	TRANSISTOR-RESISTOR	1	<R>
QR40012	MRN1402	TRANSISTOR-RESISTOR	1	<R>
QR40020-22	MRN2403	TRANSISTOR-RESISTOR	3	<R>
QR40023	MRN1403	TRANSISTOR-RESISTOR	1	<R>
QR40024	MRN1402	TRANSISTOR-RESISTOR	1	<R>
		RESISTORS		
R40010	ERJ6GEYJ154	M.RESISTOR CH1/10W 150K	1	
R40011,12	ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	2	
R40022	ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R40024	ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R40025	ERJ6GEYJ184	M.RESISTOR CH1/10W 180K	1	
R40026,27	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R40028	ERJ6GEYJ274	M.RESISTOR CH1/10W 270K	1	
R40029	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R40031	VRE0034E564	M.RESISTOR CH 1/10W 560K	1	
R40032	ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R40033	VRE0034E104	M.RESISTOR CH 1/10W 100K	1	
R40034	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R40035	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R40036	ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R40037	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R40038	ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R40039	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R40040	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R40041	ERJ6GEYJ393	M.RESISTOR CH1/10W 39K	1	
R40042	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R40043	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R40045	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R40046	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R40048	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R40049	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R40050,51	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R40052	ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R40053	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R40054	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R40055	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R40056	ERJ6GEYG181	M.RESISTOR CH1/10W 180	1	
R40057	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R40058	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R40059	ERJ6GEYF333	M.RESISTOR CH1/10W 33K	1	
R40102	ERJ6GEYJ154	M.RESISTOR CH1/10W 150K	1	
R40104	VRE0034E564	M.RESISTOR CH 1/10W 560K	1	
R40105	ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R40106	VRE0034E104	M.RESISTOR CH 1/10W 100K	1	
R40107	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R40108	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R40109	ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R40110	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R40111	ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R40112	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R40113	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R40114	ERJ6GEYJ393	M.RESISTOR CH1/10W 39K	1	
R40115	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R40116	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R40117	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R40120	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R40121	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R40122	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R40123	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R40124	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R40125	ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R40129	ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R40130	ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R40132	ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R40140	ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R40141	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R40142	ERJ6GEYJ184	M.RESISTOR CH1/10W 180K	1	
R40143	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R40144	ERJ6GEYJ274	M.RESISTOR CH1/10W 270K	1	
R40145	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R40146	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R40147	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R40148	ERJ6GEYG181	M.RESISTOR CH1/10W 180	1	
R40149	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R40150	ERJ6GEYF333	M.RESISTOR CH1/10W 33K	1	
R40151	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R40181	ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
R40182	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R40183	ERJ6GEYJ154	M.RESISTOR CH1/10W 150K	1	
R40184	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R40185	ERJ6GEYG151	M.RESISTOR CH1/10W 150	1	
R40186	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R40187,88	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R40189	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R40190	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R40191	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R40192-99	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	8	
R40200	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R40201	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R40202	ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
R40203	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R40204	ERJ6GEYJ560	M.RESISTOR CH1/10W 56	1	
R40205	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R40206	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R40207	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R40242-46	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	5	
RY40001	VSY2074	RELAY	1	
VR40002,03	EVN32CA00B23	V.RESISTOR 2K	2	
VR40007,08	EVN32CA00B23	V.RESISTOR 2K	2	
		MISCELLANEOUS		
E67	VSC3967	SHIELD CASE	1	
E68	VSC3968	SHIELD CASE (MIDDLE)	1	
E69	VSC3969	SHIELD CASE (LOWER)	1	
	VEP04421C	P.C.BOARD W/COMPONENT		AG-7700E
		AUDIO (2)		
		CAPACITORS		
C41001	ECEA1CGE471	E.CAPACITOR 16V 470U	1	
C41002	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C41003,04	ECEA1HGE3R3	E.CAPACITOR 50V 3.3U	2	
C41005	ECQB1H682JF	P.CAPACITOR 50V 6800P	1	
C41006	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C41007	ECQB1H223JF	P.CAPACITOR 50V 0.022U	1	
C41008	ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C41009	ECEA1HGE4R7	E.CAPACITOR 50V 4.7U	1	
C41010	ECQB1H223JF	P.CAPACITOR 50V 0.022U	1	
C41011	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C41012	ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C41013	ECQB1H332JF	P.CAPACITOR 50V 3300P	1	
C41014-16	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	3	
C41017	ECEA1HGE4R7	E.CAPACITOR 50V 4.7U	1	
C41018	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C41019	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C41020	ECEA1AGE101	E.CAPACITOR 10V 100U	1	
C41021,22	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C41023	ECEA1AGE101	E.CAPACITOR 10V 100U	1	
C41024	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C41025	ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C41026	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C41027	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C41028	ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C41029	ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C41030	ECEA1VGE330	E.CAPACITOR 35V 33U	1	
C41031	ECQV1H274JZ	P.CAPACITOR 50V 0.27U	1	
C41032,33	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C41034	ECEA1AGE101	E.CAPACITOR 10V 100U	1	
C41035-37	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C41038	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C41039	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C41040	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C41041	ECEA1HGE4R7	E.CAPACITOR 50V 4.7U	1	
C41042-44	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	3	
C41045	ECQB1H332JF	P.CAPACITOR 50V 3300P	1	
C41046	ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C41047	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C41048,49	ECQB1H223JF	P.CAPACITOR 50V 0.022U	2	
C41050	ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C41051	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C41052	ECQB1H682JF	P.CAPACITOR 50V 6800P	1	
C41053,54	ECEA1EN4R7S	E.CAPACITOR 25V 4.7U	2	
C41055,56	ECEA1HGE100	E.CAPACITOR 50V 10U	2	
C41057	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C41058	ECEA1HGE220	E.CAPACITOR 50V 22U	1	
C41059	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C41060	ECEA1AGE101	E.CAPACITOR 10V 100U	1	
C41061	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C41062	ECEA1AGE101	E.CAPACITOR 10V 100U	1	
C41063,64	ECEA1HGE010	E.CAPACITOR 50V 1U	2	
C41065,66	ECEA1CGE470	E.CAPACITOR 16V 47U	2	
C41067,68	ECEA1CN100S	E.CAPACITOR 16V 10U	2	
C41069,70	ECEA1HGE4R7	E.CAPACITOR 50V 4.7U	2	
C41071	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C41072-74	ECEA1CGE470	E.CAPACITOR 16V 47U	3	
C41075	ECEA1AGE221	E.CAPACITOR 10V 220U	1	
C41076	ECEA1VGE330	E.CAPACITOR 35V 33U	1	
C41077	ECEA0JGE101	E.CAPACITOR 6.3V 100U	1	
C41078	ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C41079	ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C41080	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C41081	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C41082	ECEA1CGE221	E.CAPACITOR 16V 220U	1	
C41083	ECEA1CN100S	E.CAPACITOR 16V 10U	1	
C41084	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C41085	ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C41086,87	ECEA1HGE100	E.CAPACITOR 50V 10U	2	
C41088	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C41089	ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C41090	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C41091	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C41092	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C41093	ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C41094-96	ECEA1CGE470	E.CAPACITOR 16V 47U	3	
C41097,98	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C41099	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C41100	ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C41101	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C41102,03	ECUM1H331JCN	C.CAPACITOR CH 50V 330P	2	
C41104	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C41106-08	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C41109	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C41110,11	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C41112,13	ECUM1H331JCN	C.CAPACITOR CH 50V 330P	2	
C41114	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C41116	ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C41117	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C41118	ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C41119	ECEA1CGE471	E.CAPACITOR 16V 470U	1	
C41120	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C41121	ECEA1HGE4R7	E.CAPACITOR 50V 4.7U	1	
C41122	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C41123	ECEA1HGE220	E.CAPACITOR 50V 22U	1	
C41124	ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C41130	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
D41001-04	0A90	DIODE	4	<R>
D41005,06	MA3043	DIODE	2	<R>
D41007,08	MA4068M	DIODE	2	<R>
D41009	MA151K	DIODE	1	<R>
D41010,11	MA157	DIODE	2	<R>
D41012,13	MA3030	DIODE	2	<R>
D41014	MA3068	DIODE	1	<R>
D41015,16	MA151K	DIODE	2	<R>

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
D41017	MA153	DIODE	1	<R>
FL41001	VLF0697	FILTER	1	
IC41001	BA7705K1	IC	1	<R>
IC41002	AN78N05	IC	1	<R>
IC41003	AN3912	IC	1	<R>
IC41004	UPC4558G2	IC	1	<R>
IC41005	UPC393G2	IC	1	<R>
IC41006	MC14053BF	IC	1	<R>
IC41007	UPC4558G2	IC	1	<R>
IC41008	NJM2068MD	IC	1	<R>
IC41009	UPC4558G2	IC	1	<R>
IC41010-12	MC14053BF	IC	3	<R>
IC41013	UPC4558G2	IC	1	<R>
IC41014	MC14053BF	IC	1	<R>
IC41015	UPC4556G2	IC	1	<R>
IC41016,17	AN6558S	IC	2	<R>
L41001-03	VLQEL05S101J	COIL 100UH	3	
L41004-08	VLQEL06F102K	COIL 1000UH	5	
L41009,10	VLQEL05S101J	COIL 100UH	2	
L41011	VLQ0599J120	COIL 12UH	1	
L41012	VLQEL05S101J	COIL 100UH	1	
P41001	VJP3078	CONNECTOR (MALE)	1	
P41002	VJP3529	CONNECTOR (MALE)	1	
P41003	VJP3176B064	CONNECTOR (MALE)	1	
Q41001	2SB709A-R	TRANSISTOR	1	<R>
Q41002,03	2SD1306	TRANSISTOR	2	<R>
Q41004	2SD636-R	TRANSISTOR	1	<R>
Q41005	XN1501	TRANSISTOR	1	<R>
Q41006,07	MSD601-R	TRANSISTOR	2	<R>
Q41008	2SD1306	TRANSISTOR	1	<R>
Q41009	2SD638	TRANSISTOR	1	<R>
Q41010	2SB643	TRANSISTOR	1	<R>
Q41011	2SD1306	TRANSISTOR	1	<R>
Q41012-14	MSD601-R	TRANSISTOR	3	<R>
Q41015	2SD1328-R	TRANSISTOR	1	<R>
Q41016	2SD602A	TRANSISTOR	1	<R>
Q41017,18	2SD1306	TRANSISTOR	2	<R>
Q41019	2SC2404	TRANSISTOR	1	<R>
Q41020	MSC2295-B	TRANSISTOR	1	<R>
Q41021	MSD601-R	TRANSISTOR	1	<R>
Q41022-24	2SD602A-R	TRANSISTOR	3	<R>
Q41025	2SB644	TRANSISTOR	1	<R>
Q41026	2SD639	TRANSISTOR	1	<R>
Q41027	2SC2404	TRANSISTOR	1	<R>
Q41028	MSD601-R	TRANSISTOR	1	<R>
Q41029,30	2SD602A-R	TRANSISTOR	2	<R>
Q41031	2SB644	TRANSISTOR	1	<R>
Q41032	2SD639	TRANSISTOR	1	<R>
Q41033	2SC2404	TRANSISTOR	1	<R>
Q41034	2SD602A-R	TRANSISTOR	1	<R>
Q41035	2SB793	TRANSISTOR	1	<R>
Q41036	2SB710	TRANSISTOR	1	<R>
Q41037	2SD1306	TRANSISTOR	1	<R>
Q41038,39	2SD1328-R	TRANSISTOR	2	<R>
Q41040	2SD1306	TRANSISTOR	1	<R>
Q41041,42	2SD1328-R	TRANSISTOR	2	<R>
Q41043	2SD1306	TRANSISTOR	1	<R>
Q41044,45	2SD1328-R	TRANSISTOR	2	<R>
Q41046	2SD1306	TRANSISTOR	1	<R>
Q41047,48	2SD1328-R	TRANSISTOR	2	<R>

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q41049	2SD601	TRANSISTOR	1	<R>
Q41050	2SD973	TRANSISTOR	1	<R>
Q41051,52	2SD1306	TRANSISTOR	2	<R>
Q41053	2SB709A-R	TRANSISTOR	1	<R>
QR41002,03	MRN2403	TRANSISTOR-RESISTOR	2	<R>
QR41004,05	MRN1403	TRANSISTOR-RESISTOR	2	<R>
QR41006,07	MRN1404	TRANSISTOR-RESISTOR	2	<R>
QR41008	MRN1403	TRANSISTOR-RESISTOR	1	<R>
QR41009	MRN2404	TRANSISTOR-RESISTOR	1	<R>
QR41010,11	MRN1404	TRANSISTOR-RESISTOR	2	<R>
QR41012	MRN1402	TRANSISTOR-RESISTOR	1	<R>
		RESISTORS		
R41001,02	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	2	
R41003,04	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R41005,06	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	2	
R41007	ERJ6GEYJ225	M.RESISTOR CH1/10W 2.2M	1	
R41008,09	ERJ6GEYJ331	M.RESISTOR CH1/10W 330	2	
R41010,11	ERJ6GEYG821	M.RESISTOR CH1/10W 820	2	
R41012	ERJ6GEYG681	M.RESISTOR CH1/10W 680	1	
R41013	VRE0034E112	M.RESISTOR CH 1/10W 1.1K	1	
R41014	VRE0034E103	M.RESISTOR CH 1/10W 10K	1	
R41015	ERJ6GEYG183	M.RESISTOR CH1/10W 18K	1	
R41016	ERJ6GEYG562	M.RESISTOR CH1/10W 5.6K	1	
R41017	ERJ6GEYG104	M.RESISTOR CH1/10W 100K	1	
R41018	ERJ6GEYG303	M.RESISTOR CH1/10W 30K	1	
R41019	ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R41020	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R41021	VRE0034E393	M.RESISTOR CH 1/10W 39K	1	
R41022	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R41023,24	VRE0034E223	M.RESISTOR CH 1/10W 22K	2	
R41025	ERJ6GEYG163	M.RESISTOR CH1/10W 16K	1	
R41026	ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R41027	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R41028,29	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	2	
R41030	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R41031	ERJ6GEYJ823	M.RESISTOR CH1/10W 82K	1	
R41032	ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R41033,34	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	2	
R41035	ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R41036,37	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	2	
R41038	ERJ6GEYG181	M.RESISTOR CH1/10W 180	1	
R41039	ERJ6GEYG103	M.RESISTOR CH1/10W 10K	1	
R41040	ERJ6GEYG303	M.RESISTOR CH1/10W 30K	1	
R41041	ERJ6GEYG104	M.RESISTOR CH1/10W 100K	1	
R41042	ERJ6GEYG562	M.RESISTOR CH1/10W 5.6K	1	
R41043	ERJ6GEYG183	M.RESISTOR CH1/10W 18K	1	
R41044	VRE0034E103	M.RESISTOR CH 1/10W 10K	1	
R41045	VRE0034E112	M.RESISTOR CH 1/10W 1.1K	1	
R41046	ERJ6GEYG681	M.RESISTOR CH1/10W 680	1	
R41047,48	ERJ6GEYG821	M.RESISTOR CH1/10W 820	2	
R41049	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R41050	ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R41051	ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R41052	ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R41053	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R41054,55	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	2	
R41057	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R41058	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R41059	ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R41062	ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R41063	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R41064	ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R41065	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R41066-71	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	6	
R41072,73	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	2	
R41074	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R41075,76	ERJ6GEYJ331	M.RESISTOR CH1/10W 330	2	
R41077	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R41078	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R41079	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R41080	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R41081	ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R41082	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R41083,84	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R41085	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R41086	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R41087	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R41088	ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R41089	ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R41090	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R41091,92	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R41094,95	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R41096	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R41097	ERJ6GEYG680	M.RESISTOR CH1/10W 68	1	
R41098	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R41099	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R41100	VRE0034E302	M.RESISTOR CH 1/10W 3K	1	
R41101	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R41102	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R41103	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R41104	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R41105,06	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R41107,08	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	2	
R41109-11	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	3	
R41112	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R41113	ERJ6GEYJ334	M.RESISTOR CH1/10W 330K	1	
R41115	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R41116	ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R41117	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R41118	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R41119	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R41120	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R41121	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R41122	ERJ6GEYJ391	M.RESISTOR CH1/10W 390	1	
R41123	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R41124	ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R41125	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R41126	ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R41127,28	ERJ6GEYJ470	M.RESISTOR CH1/10W 47	2	
R41129	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R41130	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R41131	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R41132,33	ERJ6GEYJ470	M.RESISTOR CH1/10W 47	2	
R41134	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R41135	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R41136	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R41137	ERJ6GEYK1R0	M.RESISTOR CH1/10W 1.0	1	
R41138	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R41139	ERJ6GEYF333	M.RESISTOR CH1/10W 33K	1	
R41140	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R41141	ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R41142	ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R41143	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R41144	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	1	
R41145	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R41146	ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R41147	ERJ6GEYJ391	M.RESISTOR CH1/10W 390	1	
R41148	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R41149	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R41150	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R41151	ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R41152	ERJ6GEYJ3R3	M.RESISTOR CH1/10W 3.3	1	
R41153	ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R41154	ERJ6GEYJ3R3	M.RESISTOR CH1/10W 3.3	1	
R41155	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R41156	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R41157	ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R41158	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R41159,60	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	2	
R41161	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R41162,63	ERJ6GEYJ270	M.RESISTOR CH1/10W 27	2	
R41164	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R41165	ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R41167	ERJ6GEYJ391	M.RESISTOR CH1/10W 390	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R41168	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R41169	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R41170	ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R41171	ERJ6GEYJ3R3	M.RESISTOR CH1/10W 3.3	1	
R41172	ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R41173	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R41174,75	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	2	
R41176	ERJ6GEYJ3R3	M.RESISTOR CH1/10W 3.3	1	
R41177	ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R41178	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R41179,80	ERJ6GEYJ270	M.RESISTOR CH1/10W 27	2	
R41181	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R41182	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R41183	ERJ6GEYG151	M.RESISTOR CH1/10W 150	1	
R41184	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R41185	ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R41186	ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R41187	ERJ6GEYG151	M.RESISTOR CH1/10W 150	1	
R41188	ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R41189	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R41190	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R41191	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R41192-94	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	3	
R41195	ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R41196	ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R41197	ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R41198	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R41199	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R41200-03	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	4	
R41204	ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R41205	ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R41206	ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R41207	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R41208	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R41209	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R41210-12	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	3	
R41213	ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R41214	ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R41215	ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R41216,17	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R41218	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R41219	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R41220	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R41221	ERJ6GEYG222	M.RESISTOR CH1/10W 2.2K	1	
R41222	ERJ6GEYG152	M.RESISTOR CH1/10W 1.5K	1	
R41223	ERJ6GEYG222	M.RESISTOR CH1/10W 2.2K	1	
R41224	ERJ6GEYG152	M.RESISTOR CH1/10W 1.5K	1	
R41226	ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R41227-29	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	3	
R41230	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R41231	ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R41232	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R41233,34	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R41235	ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
R41236,37	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R41252,53	ERDS2TJ273	C.RESISTOR 1/4W 27K	2	
SW41001	ESD145131	SWITCH	1	<R>
VR41001	EVN32CA00B24	V.RESISTOR 20K	1	
VR41002	EVMF6SA00B14	V.RESISTOR 10K	1	
VR41003	EVN32CA00B23	V.RESISTOR 2K	1	
VR41004	EVN32CA00B15	V.RESISTOR 100K	1	
VR41005	EVN32CA00B24	V.RESISTOR 20K	1	
VR41006	EVMF6SA00B14	V.RESISTOR 10K	1	
VR41007	EVN32CA00B53	V.RESISTOR 5K	1	
VR41008,09	EVN32CA00B23	V.RESISTOR 2K	2	
VR41012-14	EVN32CA00B53	V.RESISTOR 5K	3	
VR41015,16	EVN32CA00B23	V.RESISTOR 2K	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VEP04421D	P.C.BOARD W/COMPONENT		AG-7600E
		AUDIO (2)		
		CAPACITORS		
C41001	ECEA1CGE471	E.CAPACITOR 16V 470U	1	
C41003,04	ECEA1HGE3R3	E.CAPACITOR 50V 3.3U	2	
C41005	ECQB1H682JF	P.CAPACITOR 50V 6800P	1	
C41006	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C41007	ECQB1H223JF	P.CAPACITOR 50V 0.022U	1	
C41008	ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C41009	ECEA1HGE4R7	E.CAPACITOR 50V 4.7U	1	
C41010	ECQB1H223JF	P.CAPACITOR 50V 0.022U	1	
C41011	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C41012	ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C41013	ECQB1H332JF	P.CAPACITOR 50V 3300P	1	
C41014-16	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	3	
C41017	ECEA1HGE4R7	E.CAPACITOR 50V 4.7U	1	
C41018	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C41019	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C41020	ECEA1AGE101	E.CAPACITOR 10V 100U	1	
C41021,22	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C41023	ECEA1AGE101	E.CAPACITOR 10V 100U	1	
C41024	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C41025	ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C41026	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C41027	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C41028	ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C41029	ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C41030	ECEA1VGE330	E.CAPACITOR 35V 33U	1	
C41031	ECQV1H274JZ	P.CAPACITOR 50V 0.27U	1	
C41032,33	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C41034	ECEA1AGE101	E.CAPACITOR 10V 100U	1	
C41035,36	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C41038	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C41039	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C41040	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C41041	ECEA1HGE4R7	E.CAPACITOR 50V 4.7U	1	
C41042-44	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	3	
C41045	ECQB1H332JF	P.CAPACITOR 50V 3300P	1	
C41046	ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C41047	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C41048,49	ECQB1H223JF	P.CAPACITOR 50V 0.022U	2	
C41050	ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C41051	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C41052	ECQB1H682JF	P.CAPACITOR 50V 6800P	1	
C41055,56	ECEA1HGE100	E.CAPACITOR 50V 10U	2	
C41057	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C41058	ECEA1HGE220	E.CAPACITOR 50V 22U	1	
C41059	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C41060	ECEA1AGE101	E.CAPACITOR 10V 100U	1	
C41061	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C41065,66	ECEA1CGE470	E.CAPACITOR 16V 47U	2	
C41067,68	ECEA1CN100S	E.CAPACITOR 16V 10U	2	
C41069,70	ECEA1HGE4R7	E.CAPACITOR 50V 4.7U	2	
C41072-74	ECEA1CGE470	E.CAPACITOR 16V 47U	3	
C41075	ECEA1AGE221	E.CAPACITOR 10V 220U	1	
C41077	ECEA0JGE101	E.CAPACITOR 6.3V 100U	1	
C41080	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C41082	ECEA1CGE221	E.CAPACITOR 16V 220U	1	
C41084	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C41085	ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C41086,87	ECEA1HGE100	E.CAPACITOR 50V 10U	2	
C41088	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C41089	ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C41090	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C41091	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C41092	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C41093	ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C41094,95	ECEA1CGE470	E.CAPACITOR 16V 47U	2	
C41116	ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C41117	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C41118	ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C41119	ECEA1CGE471	E.CAPACITOR 16V 470U	1	
C41121	ECEA1HGE4R7	E.CAPACITOR 50V 4.7U	1	
C41122	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C41123	ECEA1HGE220	E.CAPACITOR 50V 22U	1	
C41124	ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C41130	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
D41001-04	0A90	DIODE	4	<R>
D41005,06	MA3043	DIODE	2	<R>
D41007,08	MA4068M	DIODE	2	<R>
D41009	MA151K	DIODE	1	<R>
D41010	MA157	DIODE	1	<R>
D41012,13	MA3030	DIODE	2	<R>
D41014	MA3068	DIODE	1	<R>
D41015,16	MA151K	DIODE	2	<R>
D41017	MA153	DIODE	1	<R>
FL41001	VLF0697	FILTER	1	
IC41001	BA7705K1	IC	1	<R>
IC41002	AN78N05	IC	1	<R>
IC41003	AN3912	IC	1	<R>
IC41004	UPC4558G2	IC	1	<R>
IC41005	UPC393G2	IC	1	<R>
IC41006	MC14053BF	IC	1	<R>
IC41007	UPC4558G2	IC	1	<R>
IC41008	NJM2068MD	IC	1	<R>
IC41010-12	MC14053BF	IC	3	<R>
IC41013	UPC4558G2	IC	1	<R>
IC41014	MC14053BF	IC	1	<R>
IC41015	UPC4556G2	IC	1	<R>
IC41016,17	AN6558S	IC	2	<R>
L41001-03	VLQEL05S101J	COIL 100UH	3	
L41004-08	VLQEL06F102K	COIL 1000UH	5	
P41001	VJP3078	CONNECTOR (MALE)	1	
P41003	VJP3176B064	CONNECTOR (MALE)	1	
Q41002,03	2SD1306	TRANSISTOR	2	<R>
Q41006	MSD601-R	TRANSISTOR	1	<R>
Q41008	2SD1306	TRANSISTOR	1	<R>
Q41009	2SD638	TRANSISTOR	1	<R>
Q41010	2SB643	TRANSISTOR	1	<R>
Q41012-14	MSD601-R	TRANSISTOR	3	<R>
Q41015	2SD1328-R	TRANSISTOR	1	<R>
Q41016	2SD602A	TRANSISTOR	1	<R>
Q41017,18	2SD1306	TRANSISTOR	2	<R>
Q41036	2SB710	TRANSISTOR	1	<R>
Q41037	2SD1306	TRANSISTOR	1	<R>
Q41038,39	2SD1328-R	TRANSISTOR	2	<R>
Q41040	2SD1306	TRANSISTOR	1	<R>
Q41041,42	2SD1328-R	TRANSISTOR	2	<R>
Q41043	2SD1306	TRANSISTOR	1	<R>
Q41044,45	2SD1328-R	TRANSISTOR	2	<R>
Q41046	2SD1306	TRANSISTOR	1	<R>
Q41047,48	2SD1328-R	TRANSISTOR	2	<R>

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q41049	2SD601	TRANSISTOR	1	<R>
Q41051,52	2SD1306	TRANSISTOR	2	<R>
Q41053	2SB709A-R	TRANSISTOR	1	<R>
QR41002,03	MRN2403	TRANSISTOR-RESISTOR	2	<R>
QR41004	MRN1403	TRANSISTOR-RESISTOR	1	<R>
QR41006,07	MRN1404	TRANSISTOR-RESISTOR	2	<R>
QR41012	MRN1402	TRANSISTOR-RESISTOR	1	<R>
		RESISTORS		
R41003,04	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R41005,06	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	2	
R41007	ERJ6GEYJ225	M.RESISTOR CH1/10W 2.2M	1	
R41008,09	ERJ6GEYJ331	M.RESISTOR CH1/10W 330	2	
R41010,11	ERJ6GEYG821	M.RESISTOR CH1/10W 820	2	
R41012	ERJ6GEYG681	M.RESISTOR CH1/10W 680	1	
R41013	VRE0034E112	M.RESISTOR CH 1/10W 1.1K	1	
R41014	VRE0034E103	M.RESISTOR CH 1/10W 10K	1	
R41015	ERJ6GEYG183	M.RESISTOR CH1/10W 18K	1	
R41016	ERJ6GEYG562	M.RESISTOR CH1/10W 5.6K	1	
R41017	ERJ6GEYG104	M.RESISTOR CH1/10W 100K	1	
R41018	ERJ6GEYG303	M.RESISTOR CH1/10W 30K	1	
R41019	ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R41020	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R41021	VRE0034E393	M.RESISTOR CH 1/10W 39K	1	
R41022	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R41023,24	VRE0034E223	M.RESISTOR CH 1/10W 22K	2	
R41025	ERJ6GEYG163	M.RESISTOR CH1/10W 16K	1	
R41026	ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R41027	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R41028,29	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	2	
R41030	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R41031	ERJ6GEYJ823	M.RESISTOR CH1/10W 82K	1	
R41032	ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R41033,34	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	2	
R41035	ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R41038	ERJ6GEYG181	M.RESISTOR CH1/10W 180	1	
R41039	ERJ6GEYG103	M.RESISTOR CH1/10W 10K	1	
R41040	ERJ6GEYG303	M.RESISTOR CH1/10W 30K	1	
R41041	ERJ6GEYG104	M.RESISTOR CH1/10W 100K	1	
R41042	ERJ6GEYG562	M.RESISTOR CH1/10W 5.6K	1	
R41043	ERJ6GEYG183	M.RESISTOR CH1/10W 18K	1	
R41044	VRE0034E103	M.RESISTOR CH 1/10W 10K	1	
R41045	VRE0034E112	M.RESISTOR CH 1/10W 1.1K	1	
R41046	ERJ6GEYG681	M.RESISTOR CH1/10W 680	1	
R41047,48	ERJ6GEYG821	M.RESISTOR CH1/10W 820	2	
R41049	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R41050	ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R41051	ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R41062	ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R41063	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R41064	ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R41065	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R41066-71	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	6	
R41072,73	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	2	
R41074	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R41075,76	ERJ6GEYJ331	M.RESISTOR CH1/10W 330	2	
R41077	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R41078	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R41082	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R41091	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R41097	ERJ6GEYG680	M.RESISTOR CH1/10W 68	1	
R41098	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R41099	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R41100	VRE0034E302	M.RESISTOR CH 1/10W 3K	1	
R41101	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R41102	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R41103	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R41104	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R41105,06	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R41107,08	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R41109-11	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	3	
R41112	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R41113	ERJ6GEYJ334	M.RESISTOR CH1/10W 330K	1	
R41115	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R41116	ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R41117	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R41118	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R41119	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R41120	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R41121	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R41122	ERJ6GEYJ391	M.RESISTOR CH1/10W 390	1	
R41123	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R41124	ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R41125	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R41126	ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R41127,28	ERJ6GEYJ470	M.RESISTOR CH1/10W 47	2	
R41129	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R41130	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R41131	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R41132,33	ERJ6GEYJ470	M.RESISTOR CH1/10W 47	2	
R41134	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R41135	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R41136	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R41149	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R41183	ERJ6GEYG151	M.RESISTOR CH1/10W 150	1	
R41184	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R41185	ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R41186	ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R41187	ERJ6GEYG151	M.RESISTOR CH1/10W 150	1	
R41188	ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R41189	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R41190	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R41191	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R41192-94	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	3	
R41195	ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R41196	ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R41197	ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R41198	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R41199	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R41200-03	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	4	
R41204	ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R41205	ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R41206	ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R41207	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R41208	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R41209	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R41210-12	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	3	
R41213	ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R41214	ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R41215	ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R41216,17	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R41218	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R41219	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R41220	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R41228,29	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R41230	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R41231	ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R41232	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R41233,34	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R41235	ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
R41236,37	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R41250,51	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
SW41001	ESD145131	SWITCH	1	<R>
VR41001	EVN32CA00B24	V.RESISTOR 20K	1	
VR41002	EVMF6SA00B14	V.RESISTOR 10K	1	
VR41004	EVN32CA00B15	V.RESISTOR 100K	1	
VR41005	EVN32CA00B24	V.RESISTOR 20K	1	
VR41006	EVMF6SA00B14	V.RESISTOR 10K	1	
VR41012-14	EVN32CA00B53	V.RESISTOR 5K	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VEP05162K	P.C.BOARD W/COMPONENT		AG-7700E
		HEAD AMP		
		CAPACITORS		
C5001	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C5002,03	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C5004	ECEA1HKA0R1	E.CAPACITOR 50V 0.1U	1	
C5005	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C5006-08	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C5009	ECUM1H182JN	C.CAPACITOR CH 50V 1800P	1	
C5010	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C5011	ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C5012	ECUM1H473ZFN	C.CAPACITOR CH 50V 0.047U	1	
C5013	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C5014	ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C5015	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C5016	ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C5017	ECUM1H080DCN	C.CAPACITOR CH 50V 8P	1	
C5018,19	ECUM1E224ZFN	C.CAPACITOR CH 25V 0.22U	2	
C5020	ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C5021	ECUM1H080DCN	C.CAPACITOR CH 50V 8P	1	
C5022	ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C5023	ECUM1H020DCN	C.CAPACITOR CH 50V 2P	1	
C5024,25	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C5026	ECUM1H020DCN	C.CAPACITOR CH 50V 2P	1	
C5027	ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C5028	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C5029	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C5030	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5031	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C5032,33	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C5034	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C5035	ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C5036	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5037,38	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C5039,40	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C5042	ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C5043	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C5044,45	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C5046	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C5047	ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C5048	ECUM1H472ZFN	C.CAPACITOR CH 50V 4700P	1	
C5056	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5066	ECUM1E224ZFN	C.CAPACITOR CH 25V 0.22U	1	
D5001,02	MA151K	DIODE	2	<R>
D5004	MA151K	DIODE	1	<R>
IC5001	AN3334K	IC	1	<R>
IC5002	BA7740FS	IC	1	<R>
L5001-04	VLQ0460	COIL	4	
P5001	VJP3091	CONNECTOR (MALE)	1	
P5002	VJS2603	CONNECTOR (FEMALE)	1	
P5003	VJP3091	CONNECTOR (MALE)	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q5001	MSB709-R	TRANSISTOR	1	<R>
Q5002	MSC2295-B	TRANSISTOR	1	<R>
Q5003	XN4504	TRANSISTOR	1	<R>
Q5004,05	MSC2295-B	TRANSISTOR	2	<R>
QR5001	MRN1404	TRANSISTOR-RESISTOR	1	<R>
		RESISTORS		
R5001	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R5002	ERJ6GEYJ684	M.RESISTOR CH1/10W 680K	1	
R5003	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R5004	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R5005	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R5006	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R5007	ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R5008	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R5009	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R5010	ERJ6GEYK1R0	M.RESISTOR CH1/10W 1.0	1	
R5011-14	ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	4	
R5015-18	ERJ6GEYJ100	M.RESISTOR CH1/10W 10	4	
R5019	ERJ6GEYJ391	M.RESISTOR CH1/10W 390	1	
R5020,21	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	2	
R5022	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R5026	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R5027	ERJ6GEYF333	M.RESISTOR CH1/10W 33K	1	
R5028	ERJ6GEYG243	M.RESISTOR CH1/10W 24K	1	
R5029	ERJ6GEYG273	M.RESISTOR CH1/10W 27K	1	
R5030	ERJ6GEYJ391	M.RESISTOR CH1/10W 390	1	
R5031	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R5032	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R5033	ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R5034	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	1	
R5036	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R5037,38	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	2	
R5039	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R5040	ERDS2TJ221	C.RESISTOR 1/4W 220	1	
R5041-43	ERJ6GEYJ100	M.RESISTOR CH1/10W 10	3	
R5044,45	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R5046,47	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R5058	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R5059	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R5061	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R5062	ERDS2TJ221	C.RESISTOR 1/4W 220	1	
R5070	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
VR5001,02	EVN32CA00B23	V.RESISTOR 2K	2	
		MISCELLANEOUS		
E64	VSC3119	SHIELD COVER (MIDDLE)	1	
E65	VSC3039	SHIELD COVER (FRONT)	1	
E66	VSC3040	SHIELD COVER (REAR)	1	
	VEP05162L	P.C.BOARD W/COMPONENT		AG-7600E
		HEAD AMP		

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
		CAPACITORS		
C5001	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C5002,03	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C5004	ECEA1HKA0R1	E.CAPACITOR 50V 0.1U	1	
C5005	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C5006	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5010	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C5013	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C5014	ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C5015	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C5016	ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C5017	ECUM1H080DCN	C.CAPACITOR CH 50V 8P	1	
C5018,19	ECUM1E224ZFN	C.CAPACITOR CH 25V 0.22U	2	
C5020	ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C5021	ECUM1H080DCN	C.CAPACITOR CH 50V 8P	1	
C5022	ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C5023	ECUM1H020DCN	C.CAPACITOR CH 50V 2P	1	
C5024,25	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C5026	ECUM1H020DCN	C.CAPACITOR CH 50V 2P	1	
C5027	ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C5028	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C5029	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C5032,33	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C5034	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C5035	ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C5036	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5037	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C5039	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5042	ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C5043	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C5044,45	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C5046	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C5047	ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C5048	ECUM1H472ZFN	C.CAPACITOR CH 50V 4700P	1	
C5066	ECUM1E224ZFN	C.CAPACITOR CH 25V 0.22U	1	
D5001,02	MA151K	DIODE	2	<R>
IC5001	AN3334K	IC	1	<R>
IC5002	BA7740FS	IC	1	<R>
L5001	VLQ0460	COIL	1	
L5003	VLQ0460	COIL	1	
P5001	VJP3091	CONNECTOR (MALE)	1	
P5002	VJS2603	CONNECTOR (FEMALE)	1	
P5003	VJP3091	CONNECTOR (MALE)	1	
Q5001	MSB709-R	TRANSISTOR	1	<R>
Q5003	XN4504	TRANSISTOR	1	<R>
Q5005	MSC2295-B	TRANSISTOR	1	<R>
QR5001	MRN1404	TRANSISTOR-RESISTOR	1	<R>
		RESISTORS		
R5001	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R5002	ERJ6GEYJ684	M.RESISTOR CH1/10W 680K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R5003	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R5004	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R5005	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R5006	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R5007	ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R5010	ERJ6GEYK1R0	M.RESISTOR CH1/10W 1.0	1	
R5011-14	ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	4	
R5015-18	ERJ6GEYJ100	M.RESISTOR CH1/10W 10	4	
R5019	ERJ6GEYJ391	M.RESISTOR CH1/10W 390	1	
R5022	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R5026	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R5027	ERJ6GEYF333	M.RESISTOR CH1/10W 33K	1	
R5028	ERJ6GEYG243	M.RESISTOR CH1/10W 24K	1	
R5029	ERJ6GEYG273	M.RESISTOR CH1/10W 27K	1	
R5030	ERJ6GEYJ391	M.RESISTOR CH1/10W 390	1	
R5031	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R5032	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R5034	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	1	
R5036	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R5037,38	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	2	
R5039	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R5041	ERJ6GEYJ180	M.RESISTOR CH1/10W 18	1	
R5042,43	ERJ6GEYJ100	M.RESISTOR CH1/10W 10	2	
R5044,45	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R5046,47	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R5059	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
		MISCELLANEOUS		
E64	VSC3119	SHIELD COVER (MIDDLE)	1	
E65	VSC3039	SHIELD COVER (FRONT)	1	
E66	VSC3040	SHIELD COVER (REAR)	1	
	VEP06902E	P.C.BOARD W/COMPONENT		AG-7700E
		FRONT		
	VEP06929A	P.C.BOARD W/COMPONENT		ON VEP06902E
		FRONT LED		
	VEP06962A	P.C.BOARD W/COMPONENT		ON VEP06902E
		KEY BOARD		
		CAPACITORS		
C62002	ECEA1CKS470	E.CAPACITOR 16V 47U	1	
C62003	ECEA1AKS221	E.CAPACITOR 10V 220U	1	
C62004,05	ECEA1HKS220	E.CAPACITOR 50V 22U	2	
C62007	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C62008-10	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	3	
C62011	ECEA1CKS330	E.CAPACITOR 16V 33U	1	
C62012	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C62013	ECEA1AKS221	E.CAPACITOR 10V 220U	1	
C62014	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C62015,16	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
D62002	MA4056-M	DIODE	1	<R>
D62013-16	MA151K	DIODE	4	<R>
D62019,20	MA151K	DIODE	2	<R>
D62022	MA151K	DIODE	1	<R>
D62023-28	MA153	DIODE	6	<R>
D62029-31	MA152K	DIODE	3	<R>
D62032-35	MA151K	DIODE	4	<R>
D62036	MA701A	DIODE	1	<R>
D62047	MA152K	DIODE	1	<R>
D62048	MA151K	DIODE	1	<R>

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
D62701-09	MA165	DIODE	9	<R>
DP62001	VSL0312	DISPLAY TUBE	1	
IC62001	UPD75236J025	IC	1	<R>
IC62002	UPC393G2	IC	1	<R>
IC62003	MN1382-R	IC	1	<R>
J62002	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
J62004,05	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
J62007	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
L62001	VLQEL05K121K	COIL 120UH	1	
LD62010,11	LN31GCPHLG4	DIODE	2	
P62001-04	VJP3503	CONNECTOR (MALE)	4	
P62005	VJP1236T	CONNECTOR (MALE)	1	
P62006	VJS2949B010	CONNECTOR (FEMALE)	1	
P62007	VJP3076	CONNECTOR (MALE)	1	
P62008	VJP3093	CONNECTOR (MALE)	1	
P62009	VJS2889A018	CONNECTOR (FEMALE)	1	
P62501	VJS2949B010	CONNECTOR (FEMALE)	1	
P62701	VJS2949B018	CONNECTOR (FEMALE)	1	
Q62002-05	MSD601-R	TRANSISTOR	4	<R>
Q62006-09	MSB710-R	TRANSISTOR	4	<R>
QR62001	MRN1404	TRANSISTOR-RESISTOR	1	<R>
		RESISTORS		
R62001	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R62003	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R62004-11	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	8	
R62012-19	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	8	
R62020-24	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	5	
R62025	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R62026-36	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	11	
R62037-40	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	4	
R62041	ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R62042-52	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	11	
R62059	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R62070,71	ERJ14YJ330	M.RESISTOR CH 1/4W 33	2	
R62076-79	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	4	
R62080	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R62081	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R62082	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R62083	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R62084	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R62085	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R62086	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R62087	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R62088,89	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	2	
R62090	ERJ6GEYJ564	M.RESISTOR CH1/10W 560K	1	
R62091	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R62092,93	ERJ6GEYJ683	M.RESISTOR CH1/10W 68K	2	
R62094	ERJ6GEYJ564	M.RESISTOR CH1/10W 560K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R62095,96	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R62097-01	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	5	
R62102,03	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R62104	ERJ14YJ470	M.RESISTOR CH 1/4W 47	1	
R62105-07	ERJ14YJ330	M.RESISTOR CH 1/4W 33	3	
R62108	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R62109	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R62110-12	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	3	
R62701-03	ERDS2TJ560	C.RESISTOR 1/4W 56	3	
R62704	ERDS2TJ470	C.RESISTOR 1/4W 47	1	
R62705-09	ERDS2TJ560	C.RESISTOR 1/4W 56	5	
SW62010-13	EVQQJ104K	SWITCH	4	<R>
SW62015,16	VSS0225	SWITCH	2	<R>
SW62017	VSS0324	SWITCH	1	<R>
SW62019,20	VSS0225	SWITCH	2	<R>
SW62021	VSS0324	SWITCH	1	<R>
SW62022,23	VSS0225	SWITCH	2	<R>
SW62501	VSP0151	SWITCH	1	
SW62502-04	VSP0780	SWITCH	3	<R>
SW62701	VSP0791	SWITCH	1	<R>
SW62702	VSP0792	SWITCH	1	<R>
SW62703	VSP0788	SWITCH	1	<R>
SW62704	VSP0794	SWITCH	1	<R>
SW62705	VSP0790	SWITCH	1	<R>
SW62706	VSP0793	SWITCH	1	<R>
SW62707	VSP0795	SWITCH	1	<R>
SW62708	VSP0789	SWITCH	1	<R>
SW62709	VSP0795	SWITCH	1	<R>
X62001	VSX0140	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
E43	VMX0985	SPACER	1	
E73	VJF0960	DISPLAY HOLDER	1	
E74	VMX2062	LED SPACER	2	
E76	VMS4950	P.C.B. SUPPORT	2	
E79	XYN26+C5FR	SCREW	14	
E75	VMS5528	P.C.B. SUPPORT	5	
	VGF0506	SHIELD SHEET	1	
E77	VWJ10SW050L0	FLEXIBLE CABLE	1	
E78	VWJ18XW040L1	FLEXIBLE CABLE	1	
	VEP06902F	P.C.BOARD W/COMPONENT		AG-7600E
		FRONT		
	VEP06962B	P.C.BOARD W/COMPONENT		ON VEP06902F
		KEY BOARD		
		CAPACITORS		
C62002	ECEA1CKS470	E.CAPACITOR 16V 47U	1	
C62003	ECEA1AKS221	E.CAPACITOR 10V 220U	1	
C62004,05	ECEA1HKS220	E.CAPACITOR 50V 22U	2	
C62007	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C62008-10	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	3	
C62011	ECEA1CKS330	E.CAPACITOR 16V 33U	1	
C62012	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C62013	ECEA1AKS221	E.CAPACITOR 10V 220U	1	
C62014	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C62015,16	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
D62002	MA4056-M	DIODE	1	<R>
D62019,20	MA151K	DIODE	2	<R>
D62022	MA151K	DIODE	1	<R>
D62023-28	MA153	DIODE	6	<R>
D62029-31	MA152K	DIODE	3	<R>
D62032-35	MA151K	DIODE	4	<R>
D62036	MA701A	DIODE	1	<R>
D62047	MA152K	DIODE	1	<R>
D62701-07	MA165	DIODE	7	<R>
DP62001	VSL0312	DISPLAY TUBE	1	
IC62001	UPD75236J025	IC	1	<R>
IC62002	UPC393G2	IC	1	<R>
IC62003	MN1382-R	IC	1	
J62002	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
J62004-07	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	4	
L62001	VLQEL05K121K	COIL 120UH	1	
LD62010,11	LN31GCPHLG4	DIODE	2	
P62001-04	VJP3503	CONNECTOR (MALE)	4	
P62005	VJP1236T	CONNECTOR (MALE)	1	
P62007	VJP3076	CONNECTOR (MALE)	1	
P62008	VJP3530	CONNECTOR (MALE)	1	
P62009	VJS2889A018	CONNECTOR (FEMALE)	1	
P62701	VJS2949B018	CONNECTOR (FEMALE)	1	
Q62002-05	MSD601-R	TRANSISTOR	4	<R>
Q62006-08	MSB710-R	TRANSISTOR	3	<R>
QR62001	MRN1404	TRANSISTOR-RESISTOR	1	<R>
		RESISTORS		
R62001	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R62003	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R62004-11	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	8	
R62012-19	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	8	
R62020-24	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	5	
R62025	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R62026-36	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	11	
R62037-40	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	4	
R62041	ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R62042-52	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	11	
R62059	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R62070,71	ERJ14YJ330	M.RESISTOR CH 1/4W 33	2	
R62076-79	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	4	
R62080	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R62081	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R62082	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R62083	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R62084	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R62085	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R62088,89	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	2	
R62090	ERJ6GEYJ564	M.RESISTOR CH1/10W 560K	1	
R62091	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R62092,93	ERJ6GEYJ683	M.RESISTOR CH1/10W 68K	2	
R62094	ERJ6GEYJ564	M.RESISTOR CH1/10W 560K	1	
R62095,96	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R62097-01	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	5	
R62102,03	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R62108	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R62109	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R62110-12	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	3	
R62701-03	ERDS2TJ560	C.RESISTOR 1/4W 56	3	
R62704	ERDS2TJ470	C.RESISTOR 1/4W 47	1	
R62705-07	ERDS2TJ560	C.RESISTOR 1/4W 56	3	
SW62010-13	EVQQJ104K	SWITCH	4	<R>
SW62015-17	VSS0225	SWITCH	3	<R>
SW62020	VSS0225	SWITCH	1	<R>
SW62021	VSS0324	SWITCH	1	<R>
SW62022,23	VSS0225	SWITCH	2	<R>
SW62701	VSP0791	SWITCH	1	<R>
SW62702	VSP0792	SWITCH	1	<R>
SW62703	VSP0788	SWITCH	1	<R>
SW62704	VSP0794	SWITCH	1	<R>
SW62705	VSP0790	SWITCH	1	<R>
SW62706	VSP0793	SWITCH	1	<R>
SW62707	VSP0795	SWITCH	1	<R>
X62001	VSX0140	CRYSTAL OSCILLATOR	1	<R>
		MISCELLANEOUS		
E73	VJF0960	DISPLAY HOLDER	1	
E74	VMX2062	LED SPACER	2	
E79	XYN26+C5FR	SCREW	10	
E75	VMS5528	P.C.B. SUPPORT	5	
E77	VWJ10SW050L0	FLEXIBLE CABLE	1	
E78	VWJ18XW040L1	FLEXIBLE CABLE	1	
	VEP06904C	P.C.BOARD W/COMPONENT		AG-7700E
		SERVO SYSCON		
		CAPACITORS		
C1501	ECEA1VGE220	E.CAPACITOR 35V 22U	1	
C1502	ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C1503	ECEA1DPS681	E.CAPACITOR 680U	1	
C1504	ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C1505	ECEA1AGE221	E.CAPACITOR 10V 220U	1	
C1506	ECEA1CU101	E.CAPACITOR 16V 100U	1	
C1507	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C1508	ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C1509,10	ECEA1CU101	E.CAPACITOR 16V 100U	2	
C1511	ECEA1HU4R7	E.CAPACITOR 50V 4.7U	1	
C1512	ECEA1CU101	E.CAPACITOR 16V 100U	1	
C1513	ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C1514	ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C1515	ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U	1	
C1517	ECEA1AU221	E.CAPACITOR 10V 220U	1	
C1518	ECEA1VU100	E.CAPACITOR 35V 10U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C1519	ECEA1EGE470	E.CAPACITOR 25V 47U	1	
C1520	ECEA1EGE221	E.CAPACITOR 25V 220U	1	
C1521	ECEA1EGE470	E.CAPACITOR 25V 47U	1	
C1522	ECEA1CGE102	E.CAPACITOR 16V 1000U	1	
C1523	ECEA1EGE470	E.CAPACITOR 25V 47U	1	
C1524	ECEA1EGE221	E.CAPACITOR 25V 220U	1	
C1525	ECEA1AGE101	E.CAPACITOR 10V 100U	1	
C1526	ECEA1AGE471	E.CAPACITOR 10V 470U	1	
C1527	ECEA1EGE221	E.CAPACITOR 25V 220U	1	
C1529	ECEA1EGE471E	E.CAPACITOR 25V 470U	1	
C1530	ECEA1VGE220	E.CAPACITOR 35V 22U	1	
C1531	ECA0JFQ102	E.CAPACITOR 6.3V 1000U	1	
C1532	ECEA1AGE221	E.CAPACITOR 10V 220U	1	
C1533	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C1534	ECEA1EGE221	E.CAPACITOR 25V 220U	1	
C1541	ECEA1AGE101	E.CAPACITOR 10V 100U	1	
C1542	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C2001	ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2002	ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C2003	ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C2004	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2005	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2006	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C2007	ECEA1AU330	E.CAPACITOR 10V 33U	1	
C2008	ECQB1H683JF	P.CAPACITOR 50V 0.068U	1	
C2009	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2010	ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2011	ECEA1AU220	E.CAPACITOR 10V 22U	1	
C2012	ECEA1CU470	E.CAPACITOR 16V 47U	1	
C2013-15	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C2016,17	ECEA0JU470	E.CAPACITOR 6.3V 47U	2	
C2018	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2019	ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2020	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2021	ECQB1H152JF	P.CAPACITOR 50V 1500P	1	
C2022	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2023	ECQV1H184JZ	P.CAPACITOR 50V 0.18U	1	
C2024	ECUM1H102JN	C.CAPACITOR CH 50V 1000P	1	
C2025	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2026	ECEA1HU010	E.CAPACITOR 50V 1U	1	
C2027	ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2028	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2029	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C2030	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C2031	ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C2032	ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2033,34	ECEA1CU100	E.CAPACITOR 16V 10U	2	
C2035	ECEA1HUR47	E.CAPACITOR 50V 0.47U	1	
C2044,45	ECUM1H271JCN	C.CAPACITOR CH 50V 270P	2	
C2046	ECEA1HUR47	E.CAPACITOR 50V 0.47U	1	
C2047	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C2050	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2201	ECEA0JGE470	E.CAPACITOR 6.3V 47U	1	
C2202,03	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C2204,05	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
C2206	ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2207,08	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C2209,10	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
C2214	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2215	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2216	ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2217,18	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C2219	ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2220,21	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C2222	ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2223,24	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C2225	ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2226	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2227	ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2228-30	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C2231	ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2232-34	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C2235	ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C2236	ECQB1H333JF	P.CAPACITOR 50V 0.033U	1	
C2237,38	ECEA0JU470	E.CAPACITOR 6.3V 47U	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C2239-41	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C2243	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2244	ECEA1CU100	E.CAPACITOR 16V 10U	1	
C2245-47	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C2318,19	ECEA0JU470	E.CAPACITOR 6.3V 47U	2	
C2320	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	
C2321	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2322	ECEA1HN4R7S	E.CAPACITOR 50V 4.7U	1	
C2323	ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C2327,28	ECEA0JU470	E.CAPACITOR 6.3V 47U	2	
C2330	ECQP1H103JZ	P.CAPACITOR 50V 0.01U	1	
C2331	ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C2335,36	ECEA0JU470	E.CAPACITOR 6.3V 47U	2	
C2338	ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C2339	ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C2340-44	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	5	
C2350	ECEA1CU470	E.CAPACITOR 16V 47U	1	
C2351	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2352,53	ECEA1CU470	E.CAPACITOR 16V 47U	2	
C2354	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2355	ECEA1HU010	E.CAPACITOR 50V 1U	1	
C2401,02	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C2403	ECEA1CU470	E.CAPACITOR 16V 47U	1	
C2404,05	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C2406-09	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C2410	ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2501	ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C2502	ECQB1H222JF	P.CAPACITOR 50V 2200P	1	
C2503	ECQB1H273JF	P.CAPACITOR 50V 0.027U	1	
C2504	ECQB1H222JF	P.CAPACITOR 50V 2200P	1	
C2510	ECEA1CU470	E.CAPACITOR 16V 47U	1	
C2512-14	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C2516-19	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C2701	ECEA1CU101	E.CAPACITOR 16V 100U	1	
C2702	ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C2703	ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C2704	ECUM1H271JCN	C.CAPACITOR CH 50V 270P	1	
C2705	ECEA1HU010	E.CAPACITOR 50V 1U	1	
C2709	ECEA1HU010	E.CAPACITOR 50V 1U	1	
C2710	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2711	ECQB1H222JF	P.CAPACITOR 50V 2200P	1	
C2712	ECEA1EU221	E.CAPACITOR 25V 220U	1	
C2714	ECQV1H474JZ	P.CAPACITOR 50V 0.47U	1	
C2716,17	ECEA1EU101	E.CAPACITOR 25V 100U	2	
C2718	ECQV1H474JZ	P.CAPACITOR 50V 0.47U	1	
C2722	ECUM1H102JN	C.CAPACITOR CH 50V 1000P	1	
C2723	ECEA1EU221	E.CAPACITOR 25V 220U	1	
C2724	ECUM1H102JN	C.CAPACITOR CH 50V 1000P	1	
C2725	ECEA1EU221	E.CAPACITOR 25V 220U	1	
C2726	ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2727-30	ECQV1H104JZ	P.CAPACITOR 50V 0.1U	4	
C2731-33	ECEA1HN4R7S	E.CAPACITOR 50V 4.7U	3	
C2734	ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C2735	ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2736	ECQB1H683JF	P.CAPACITOR 50V 0.068U	1	
C2737	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2738	ECEA1CU470	E.CAPACITOR 16V 47U	1	
C2739	ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2740	ECEA1EU470	E.CAPACITOR 25V 47U	1	
C2741	ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U	1	
C2742	ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C2744-46	ECEA1HU2R2	E.CAPACITOR 50V 2.2U	3	
C2747-50	ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U	4	
C2751-53	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C2754	ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2755-57	ECUM1H102JN	C.CAPACITOR CH 50V 1000P	3	
C2758	ECEA1HNR47S	E.CAPACITOR 50V 0.47U	1	
C2759	ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C2760	ECEA1HN2R2S	E.CAPACITOR 50V 2.2U	1	
C2761	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2762	ECEA1HU2R2	E.CAPACITOR 50V 2.2U	1	
C2763	ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2764	ECEA0JU220	E.CAPACITOR 6.3V 22U	1	
C2765	ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C2766	ECEA1HN2R2S	E.CAPACITOR 50V 2.2U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C2767	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2768	ECEA1HU2R2	E.CAPACITOR 50V 2.2U	1	
C2769,70	ECUM1H102JN	C.CAPACITOR CH 50V 1000P	2	
C2793	ECEA1HU4R7	E.CAPACITOR 50V 4.7U	1	
C2804,05	ECEA1EU472	E.CAPACITOR 25V 4700U	2	
C2806	ECEA1HU4R7	E.CAPACITOR 50V 4.7U	1	
C60001	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C60002,03	ECEA1CU102	E.CAPACITOR 16V 1000U	2	
C60005	ECEA0JU332	E.CAPACITOR 6.3V 3300U	1	
C60006	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C60007	ECEA1HU010	E.CAPACITOR 50V 1U	1	
C60008	ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C60009	ECEA0JU332	E.CAPACITOR 6.3V 3300U	1	
C60010	ECQB1H333JF	P.CAPACITOR 50V 0.033U	1	
C60011	ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C60012	ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C60013	ECEA1CU100	E.CAPACITOR 16V 10U	1	
C60016	ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C60017	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C60018,19	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C60022	ECEA1AU220	E.CAPACITOR 10V 22U	1	
C60023	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C60024	ECEA0JU682	E.CAPACITOR 6.3V 6800U	1	
C60101	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C60102	ECEA1CU470	E.CAPACITOR 16V 47U	1	
C60103-06	ECQB1H102JF	P.CAPACITOR 50V 1000P	4	
C60107	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C60108	ECEA1CU221	E.CAPACITOR 16V 220U	1	
C60109	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C60110,11	ECEA1CU100	E.CAPACITOR 16V 10U	2	
C60112	ECEA1CU470	E.CAPACITOR 16V 47U	1	
C60501	ECEA1EU4R7	E.CAPACITOR 25V 4.7U	1	
C60502	ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C60503	ECEA1HN010S	E.CAPACITOR 50V 1U	1	
C60504	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C60505	ECEA1EN101S	E.CAPACITOR 25V 100U	1	
C60506	ECEA1CU101	E.CAPACITOR 16V 100U	1	
C60507	ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C60508,09	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
D1502-04	MA151K	DIODE	3	<R>
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D1517	MA4130M	DIODE	1	<R>
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D1543,44	MA151K	DIODE	2	<R>
D2001	MA151K	DIODE	1	<R>
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D2007,08	MA151K	DIODE	2	<R>
D2308	MA151K	DIODE	1	<R>

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
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D2401	MA151K	DIODE	1	<R>
D2501,02	MA151K	DIODE	2	<R>
D2701	MA4180-L	DIODE	1	<R>
D2703	MA4160-L	DIODE	1	<R>
D2704	11DQ04	DIODE	1	<R>
D2705	MA151K	DIODE	1	<R>
D2715,16	11DQ04	DIODE	2	<R>
D2717-19	11EQS04	DIODE	3	<R>
D2720	MA153	DIODE	1	<R>
D2721	11EQS04	DIODE	1	<R>
D2722	MA153	DIODE	1	<R>
D2723	11EQS04	DIODE	1	<R>
D2727	11EQS04	DIODE	1	<R>
D2734,35	MA4160-L	DIODE	2	<R>
D2736-38	MA4160-M	DIODE	3	<R>
D2741,42	MA4062M	DIODE	2	<R>
D2743	MA723VT	DIODE	1	<R>
D60001	11EQS04	DIODE	1	<R>
D60002	MA170	DIODE	1	<R>
D60003-06	11EQS04	DIODE	4	<R>
D60501,02	MA151K	DIODE	2	<R>
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FA2202	VLF1036D101	FILTER	1	
FL2201-06	VLF0634	FILTER	6	
FL60001	VLF0630	FILTER	1	
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IC1502	AN7912F	IC	1	<R>
IC1503	AN7905F	IC	1	<R>
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IC2004	MC14052BF	IC	1	<R>
IC2006	TC4S30F	IC	1	<R>
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC2701	BA6149LS	IC	1	<R>
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IC2704	XRA6435S	IC	1	<R>
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IC2707	LM393PS	IC	1	<R>
IC2708	LM358PS	IC	1	<R>
IC2709	LM393PS	IC	1	<R>
IC2710,11	UPC4556G2	IC	2	<R>
IC2715	AN78N12	IC	1	<R>
IC60001	TD62503F	IC	1	<R>
IC60002	MN188166VCTG	IC	1	<R>
IC60003	MN1382-R	IC	1	
IC60101	LM324NS	IC	1	<R>
IC60501	LM393PS	IC	1	<R>
IC60502	M54649L	IC	1	<R>
IC60503	MN1382-R	IC	1	
J2002-04	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	3	
J2007	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
J2202	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
J2204,05	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
J2207-12	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	6	
J60001	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
J60003	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
J60005,06	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
K1501	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
K1502	ERDS2T0	C.RESISTOR 1/4W 0	1	
L1501	VLQEL06F101K	COIL 100UH	1	
L1502,03	VLP0074	COIL	2	
L2001,02	VLQEL05S470J	COIL 47UH	2	
L2004-06	VLQEL05S470J	COIL 47UH	3	
L2007	VLP0054	COIL	1	
L2008	VLQEL05S470J	COIL 47UH	1	
L2201,02	VLQEL05S2R2K	COIL 2.2UH	2	
L2203-05	VLP0054	COIL	3	
L2206,07	VLQEL05S2R2K	COIL 2.2UH	2	
L2208	VLQEL05S470J	COIL 47UH	1	
L2301-04	VLQEL05S470J	COIL 47UH	4	
L2401	VLQEL05S470J	COIL 47UH	1	
L2502	VLQEL05S470J	COIL 47UH	1	
L2701	VLQ0128	COIL	1	
L2702-04	VLQ0129	COIL	3	
L2705	VLQEL05S470J	COIL 47UH	1	
L2707	VLQEL05S470J	COIL 47UH	1	
L2711	VLQEL05S470J	COIL 47UH	1	
L60001	VLQEL05S471K	COIL 470UH	1	
L60002	VLQEL05S470J	COIL 47UH	1	
L60501	VLQEL05S150K	COIL 15UH	1	
P1501	VJP1146T	CONNECTOR (MALE)	1	
P1502	VJP3076	CONNECTOR (MALE)	1	
P1503	VJP1147	CONNECTOR (MALE)	1	
P2201-03	VJS3202B020Z	CONNECTOR (FEMALE)	3	
P2301	VJP1230T	CONNECTOR (MALE)	1	
P2701	VJP3078	CONNECTOR (MALE)	1	
P2702	VJP3083	CONNECTOR (MALE)	1	
P2703	VJS2149W	CONNECTOR (FEMALE)	1	
P60001	VJP1230R	CONNECTOR (MALE)	1	
P60003	VJS3135	CONNECTOR (FEMALE)	1	
P60501	VJS2149W	CONNECTOR (FEMALE)	1	
P60502	VJP1230T	CONNECTOR (MALE)	1	
P60503	VJS3134	CONNECTOR (FEMALE)	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q1501	2SD1474	TRANSISTOR	1	<R>
Q1502	2SD973A-R	TRANSISTOR	1	<R>
Q1503	2SD1474	TRANSISTOR	1	<R>
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Q1505	2SD973A	TRANSISTOR	1	<R>
Q2001	MSC2295-B	TRANSISTOR	1	<R>
Q2302-05	MSD601-R	TRANSISTOR	4	<R>
Q2703	MSB709-R	TRANSISTOR	1	<R>
Q2704	2SB1151	TRANSISTOR	1	<R>
Q2705-07	2SD601A-R	TRANSISTOR	3	<R>
Q2709-11	2SB772	TRANSISTOR	3	<R>
Q2713-16	MSB709-R	TRANSISTOR	4	<R>
Q60001	2SD638	TRANSISTOR	1	<R>
Q60002	MSB709-R	TRANSISTOR	1	<R>
Q60003	2SB819	TRANSISTOR	1	<R>
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Q60501-03	MSD601-R	TRANSISTOR	3	<R>
Q60504	2SB819	TRANSISTOR	1	<R>
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Q60506	2SD1273-Q	TRANSISTOR	1	<R>
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QR1541	UN2219	TRANSISTOR-RESISTOR	1	<R>
QR2005	MRN1404	TRANSISTOR-RESISTOR	1	<R>
QR2304,05	MRN2402	TRANSISTOR-RESISTOR	2	<R>
QR2306	MRN1404	TRANSISTOR-RESISTOR	1	<R>
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QR2311,12	MRN1404	TRANSISTOR-RESISTOR	2	<R>
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R1501	ERDS2TJ181	C.RESISTOR 1/4W 180	1	
R1502	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R1504	ERDS2TJ181	C.RESISTOR 1/4W 180	1	
R1505	VRE0034E103	M.RESISTOR CH 1/10W 10K	1	
R1506	VRE0034E473	M.RESISTOR CH 1/10W 47K	1	
R1507	VRE0034E222	M.RESISTOR CH 1/10W 2.2K	1	
R1509	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R1510	ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R1511	ERJ6GEYJ224	M.RESISTOR CH1/10W 220K	1	
R1512-14	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	3	
R1515	ERDS2TJ222	C.RESISTOR 1/4W 2.2K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1516-18	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	3	
R1519	ERDS2TJ333	C.RESISTOR 1/4W 33K	1	
R1520	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R1521	ERDS2TJ221	C.RESISTOR 1/4W 220	1	
R1522	ERDS2TJ181	C.RESISTOR 1/4W 180	1	
R1525	ERDS2TJ222	C.RESISTOR 1/4W 2.2K	1	
R1526,27	ERJ6GEYJ331	M.RESISTOR CH1/10W 330	2	
R1528,29	ERDS2TJ181	C.RESISTOR 1/4W 180	2	
R1531	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R1532	VRE0034E562	M.RESISTOR CH 1/10W 5.6K	1	
R1533	VRE0034E392	M.RESISTOR CH 1/10W 3.9K	1	
R1534	VRE0034E222	M.RESISTOR CH 1/10W 2.2K	1	
R1535	ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R1536	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R1541,42	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R2001	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R2002	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2003,04	ERJ6GEYF333	M.RESISTOR CH1/10W 33K	2	
R2005-07	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	3	
R2008	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R2009,10	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R2013	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R2017,18	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R2019	ERJ6GEYF124	M.RESISTOR CH1/10W 120K	1	
R2020	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2021	ERJ6GEYJ683	M.RESISTOR CH1/10W 68K	1	
R2022	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R2023	ERJ6GEYJ224	M.RESISTOR CH1/10W 220K	1	
R2024,25	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R2026	ERJ6GEYJ184	M.RESISTOR CH1/10W 180K	1	
R2027	ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R2028	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R2029	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R2030	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R2031	ERJ6GEYG241	M.RESISTOR CH1/10W 240	1	
R2032	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R2033	ERJ6GEYJ224	M.RESISTOR CH1/10W 220K	1	
R2035,36	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	2	
R2047	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R2048	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R2049	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2051	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R2054-56	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	3	
R2059,60	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	2	
R2062	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R2064	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2067,68	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R2201	ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R2202	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R2203	ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R2205,06	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	2	
R2207	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2208	ERJ6GEYG104	M.RESISTOR CH1/10W 100K	1	
R2211	ERJ6GEYG473	M.RESISTOR CH1/10W 47K	1	
R2212	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2213-18	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	6	
R2220-23	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	4	
R2240	ERJ6GEYG473	M.RESISTOR CH1/10W 47K	1	
R2241	ERJ6GEYG104	M.RESISTOR CH1/10W 100K	1	
R2242	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R2331	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R2332	ERJ6GEYJ683	M.RESISTOR CH1/10W 68K	1	
R2333	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R2334	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R2335	ERJ6GEYF333	M.RESISTOR CH1/10W 33K	1	
R2336	ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R2337	ERJ6GEYG242	M.RESISTOR CH1/10W 2.4K	1	
R2338	ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R2339	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R2340,41	ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	2	
R2342	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R2343	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R2344	ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
R2345	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	1	
R2346	ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R2347	ERJ6GEYF124	M.RESISTOR CH1/10W 120K	1	
R2352	ERJ6GEYJ752	M.RESISTOR CH1/10W 7.5K	1	
R2353,54	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R2355	ERJ6GEYJ752	M.RESISTOR CH1/10W 7.5K	1	
R2356	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R2357,58	ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	2	
R2359	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R2360,61	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	2	
R2362	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R2363	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	1	
R2364	ERJ6GEYG913	M.RESISTOR CH1/10W 91K	1	
R2370,71	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R2372	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	1	
R2373	ERDS2TJ122	C.RESISTOR 1/4W 1.2K	1	
R2374	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R2375	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R2376	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R2377	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R2378	ERJ6GEYJ154	M.RESISTOR CH1/10W 150K	1	
R2379	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R2380	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R2381	ERDS2TJ122	C.RESISTOR 1/4W 1.2K	1	
R2401	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R2402,03	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	2	
R2404,05	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	2	
R2406	ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R2407,08	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	2	
R2409	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R2410	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R2411	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R2501	ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R2502	ERJ6GEYJ334	M.RESISTOR CH1/10W 330K	1	
R2503	ERJ6GEYJ274	M.RESISTOR CH1/10W 270K	1	
R2504	ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R2505	ERJ6GEYJ334	M.RESISTOR CH1/10W 330K	1	
R2506	ERJ6GEYJ154	M.RESISTOR CH1/10W 150K	1	
R2507-10	ERJ6GEYG104	M.RESISTOR CH1/10W 100K	4	
R2511-15	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	5	
R2516	ERJ6GEYG393	M.RESISTOR CH1/10W 39K	1	
R2517	ERJ6GEYG223	M.RESISTOR CH1/10W 22K	1	
R2518-20	ERJ6GEYG124	M.RESISTOR CH1/10W 120K	3	
R2521	ERJ6GEYG154	M.RESISTOR CH1/10W 150K	1	
R2522	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R2523,24	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R2701	ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
R2709,10	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R2711	ERJ6GEYJ154	M.RESISTOR CH1/10W 150K	1	
R2712	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R2713	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R2714-17	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	4	
R2718	ERG2SJ561	M.RESISTOR 2W 560	1	
R2719	ERDS2TJ270	C.RESISTOR 1/4W 27	1	
R2725	ERJ6GEYJ334	M.RESISTOR CH1/10W 330K	1	
R2727	ERDS2TJ150	C.RESISTOR 1/4W 15	1	
R2729	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R2730	ERDS2TJ182	C.RESISTOR 1/4W 1.8K	1	
R2731	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2732	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	1	
R2733	ERDS2TJ182	C.RESISTOR 1/4W 1.8K	1	
R2734	ERDS2TJ391	C.RESISTOR 1/4W 390	1	
R2735	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2736	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	1	
R2738,39	ERDS2TJ150	C.RESISTOR 1/4W 15	2	
R2740	ERX12SJR68	M.RESISTOR 1/2W 0.68	1	
R2743	ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R2747	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2748	ERJ6GEYF124	M.RESISTOR CH1/10W 120K	1	
R2751	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R2752-54	ERDS2TJ330	C.RESISTOR 1/4W 33	3	
R2755	ERX12SJR47	M.RESISTOR 1/2W 0.47	1	
R2756	ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R2757	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2758	ERJ6GEYJ224	M.RESISTOR CH1/10W 220K	1	
R2759	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R2760	ERJ6GEYJ184	M.RESISTOR CH1/10W 180K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R2761,62	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R2763,64	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	2	
R2765	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2766	ERJ6GEYJ224	M.RESISTOR CH1/10W 220K	1	
R2767	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R2768	ERJ6GEYJ184	M.RESISTOR CH1/10W 180K	1	
R2769,70	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R2771,72	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	2	
R2773,74	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R2775	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R2776	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R2777	ERJ6GEYJ334	M.RESISTOR CH1/10W 330K	1	
R2778-82	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	5	
R2783	ERJ6GEYJ224	M.RESISTOR CH1/10W 220K	1	
R2784	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2785	ERJ6GEYJ224	M.RESISTOR CH1/10W 220K	1	
R2786,87	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R2788	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R2789	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R2790	ERJ6GEYF333	M.RESISTOR CH1/10W 33K	1	
R2791	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R2792	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2793	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R2794	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R2795	ERJ6GEYF333	M.RESISTOR CH1/10W 33K	1	
R2796	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R2799,00	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R2803	ERG2SJ221	M.RESISTOR 2W 220	1	
R2821	ERDS2TJ682	C.RESISTOR 1/4W 6.8K	1	
R2828,29	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	2	
R2830	ERDS2TJ391	C.RESISTOR 1/4W 390	1	
R2831	ERDS2TJ561	C.RESISTOR 1/4W 560	1	
R2832	ERDS2TJ562	C.RESISTOR 1/4W 5.6K	1	
R2833	ERDS2TJ391	C.RESISTOR 1/4W 390	1	
R2834	ERDS2TJ182	C.RESISTOR 1/4W 1.8K	1	
R2835	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R2836	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2838,39	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R2840	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R2841	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R2842,43	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R2844	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R2845	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R2846-48	ERJ6GEYJ271	M.RESISTOR CH1/10W 270	3	
R2849	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R2850	ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R2862,63	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	2	
R60001	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R60002	ERD2FCG220	C.RESISTOR 2W 22	1	
R60003	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R60004	ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R60005	ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R60006	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R60007	ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R60008	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R60009	ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R60010	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R60011	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R60012	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R60013	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R60015	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R60016	ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R60017,18	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R60019	ERDS2TJ472	C.RESISTOR 1/4W 4.7K	1	
R60020	ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R60021-24	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	4	
R60025	ERDS2TJ333	C.RESISTOR 1/4W 33K	1	
R60026-29	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	4	
R60030	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R60031	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R60032-35	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	4	
R60040	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R60043,44	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	2	
R60045	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R60047	ERG1SJ330	M.RESISTOR 1W 33	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R60048,49	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	2	
R60050	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R60101	ERJ6GEYG102	M.RESISTOR CH1/10W 1K	1	
R60102	ERJ6GEYG302	M.RESISTOR CH1/10W 3K	1	
R60103-05	ERJ6GEYG102	M.RESISTOR CH1/10W 1K	3	
R60106	ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R60107	ERJ6GEYJ823	M.RESISTOR CH1/10W 82K	1	
R60108-11	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	4	
R60501	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R60502,03	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	2	
R60504	ERJ6GEYG181	M.RESISTOR CH1/10W 180	1	
R60505	ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R60506	ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R60507,08	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	2	
R60509	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R60510,11	ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	2	
R60512	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R60513	ERJ6GEYJ121	M.RESISTOR CH1/10W 120	1	
R60514	ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R60515	ERJ6GEYJ474	M.RESISTOR CH1/10W 470K	1	
R60516	ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R60517,18	ERJ6GEYJ821	M.RESISTOR CH1/10W 820	2	
R60519	ERJ6GEYG181	M.RESISTOR CH1/10W 180	1	
R60520,21	ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	2	
R60522	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R60523	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R60524	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R60525	ERDS2TJ151	C.RESISTOR 1/4W 150	1	
R60526	ERJ6GEYJ683	M.RESISTOR CH1/10W 68K	1	
R60527,28	ERG1SJ300	M.RESISTOR 1W 30	2	
R60529	ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R60530	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
T1501	ETE13K86AY	TRANSFORMER	1	
T60001	EIQ7QF002B	TRANSFORMER	1	
VR2001	EVN32CA00B54	V.RESISTOR 50K	1	
VR2003	EVN32CA00B15	V.RESISTOR 100K	1	
X2001	VSX0296	CRYSTAL OSCILLATOR	1	<R>
X2002	VSX0066	CRYSTAL OSCILLATOR	1	<R>
X2201	VSX0197	CRYSTAL OSCILLATOR	1	<R>
X2401	VSX0086	CRYSTAL OSCILLATOR	1	<R>
X2701	VSX0136	CRYSTAL OSCILLATOR	1	<R>
X60001	VSX0230	CRYSTAL OSCILLATOR	1	<R>
		MISCELLANEOUS		
E43	VMX0985	SPACER	2	
E52	XYN3+F8	SCREW	2	
E80	VSC4042	HEAT SINK	2	
E82	VMC0493	HEAT SINK SPRING	1	
E84	VMC0075	HEAT SINK SPRING	1	
E83	VSC1215	IC HEAT SINK	1	
E42	VJF0816	CORD CLAMPER	1	
E81	VSC1689	HEAT SINK	1	
	VEP06904D	P.C.BOARD W/COMPONENT		AG-7600E
		SERVO SYSCON		

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
		CAPACITORS		
C1501	ECEA1VGE220	E.CAPACITOR 35V 22U	1	
C1502	ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C1503	ECEA1DPS681	E.CAPACITOR 680U	1	
C1504	ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C1505	ECEA1AGE221	E.CAPACITOR 10V 220U	1	
C1506	ECEA1CU101	E.CAPACITOR 16V 100U	1	
C1507	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C1508	ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C1509,10	ECEA1CU101	E.CAPACITOR 16V 100U	2	
C1511	ECEA1HU4R7	E.CAPACITOR 50V 4.7U	1	
C1512	ECEA1CU101	E.CAPACITOR 16V 100U	1	
C1513	ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C1514	ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C1515	ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U	1	
C1517	ECEA1AU221	E.CAPACITOR 10V 220U	1	
C1518	ECEA1VU100	E.CAPACITOR 35V 10U	1	
C1519	ECEA1EGE470	E.CAPACITOR 25V 47U	1	
C1520	ECEA1EGE221	E.CAPACITOR 25V 220U	1	
C1521	ECEA1EGE470	E.CAPACITOR 25V 47U	1	
C1522	ECEA1CGE102	E.CAPACITOR 16V 1000U	1	
C1523	ECEA1EGE470	E.CAPACITOR 25V 47U	1	
C1524	ECEA1EGE221	E.CAPACITOR 25V 220U	1	
C1525	ECEA1AGE101	E.CAPACITOR 10V 100U	1	
C1526	ECEA1AGE471	E.CAPACITOR 10V 470U	1	
C1527	ECEA1EGE221	E.CAPACITOR 25V 220U	1	
C1529	ECEA1EGE471E	E.CAPACITOR 25V 470U	1	
C1530	ECEA1VGE220	E.CAPACITOR 35V 22U	1	
C1531	ECA0JFQ102	E.CAPACITOR 6.3V 1000U	1	
C1532	ECEA1AGE221	E.CAPACITOR 10V 220U	1	
C1533	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C1534	ECEA1EGE221	E.CAPACITOR 25V 220U	1	
C1541	ECEA1AGE101	E.CAPACITOR 10V 100U	1	
C1542	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C2001	ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2002	ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C2003	ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C2004	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2005	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2006	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C2007	ECEA1AU330	E.CAPACITOR 10V 33U	1	
C2008	ECQB1H683JF	P.CAPACITOR 50V 0.068U	1	
C2009	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2010	ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2011	ECEA1AU220	E.CAPACITOR 10V 22U	1	
C2012	ECEA1CU470	E.CAPACITOR 16V 47U	1	
C2013-15	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C2016,17	ECEA0JU470	E.CAPACITOR 6.3V 47U	2	
C2018	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2019	ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2020	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2021	ECQB1H152JF	P.CAPACITOR 50V 1500P	1	
C2022	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2023	ECQV1H184JZ	P.CAPACITOR 50V 0.18U	1	
C2025	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2027	ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2028	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2029	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C2030	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C2031	ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C2032	ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2033,34	ECEA1CU100	E.CAPACITOR 16V 10U	2	
C2035	ECEA1HUR47	E.CAPACITOR 50V 0.47U	1	
C2044,45	ECUM1H271JCN	C.CAPACITOR CH 50V 270P	2	
C2047	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C2050	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2201	ECEA0JGE470	E.CAPACITOR 6.3V 47U	1	
C2202,03	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C2204,05	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
C2206	ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2207,08	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C2209,10	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
C2214	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C2215	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2216	ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2217,18	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C2219	ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2220,21	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C2222	ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2223,24	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C2225	ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2226	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2227	ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2228-30	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C2231	ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2232-34	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C2235	ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C2236	ECQB1H333JF	P.CAPACITOR 50V 0.033U	1	
C2237,38	ECEA0JU470	E.CAPACITOR 6.3V 47U	2	
C2239-41	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C2243	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2244	ECEA1CU100	E.CAPACITOR 16V 10U	1	
C2245-47	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C2318,19	ECEA0JU470	E.CAPACITOR 6.3V 47U	2	
C2320	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	
C2321	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2322	ECEA1HN4R7S	E.CAPACITOR 50V 4.7U	1	
C2323	ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C2327,28	ECEA0JU470	E.CAPACITOR 6.3V 47U	2	
C2330	ECQP1H103JZ	P.CAPACITOR 50V 0.01U	1	
C2331	ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C2335,36	ECEA0JU470	E.CAPACITOR 6.3V 47U	2	
C2338	ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C2339	ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C2340-42	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C2401,02	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C2403	ECEA1CU470	E.CAPACITOR 16V 47U	1	
C2404,05	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C2406-09	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C2410	ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2501	ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C2502	ECQB1H222JF	P.CAPACITOR 50V 2200P	1	
C2503	ECQB1H273JF	P.CAPACITOR 50V 0.027U	1	
C2504	ECQB1H222JF	P.CAPACITOR 50V 2200P	1	
C2510	ECEA1CU470	E.CAPACITOR 16V 47U	1	
C2512-14	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C2516-19	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C2701	ECEA1CU101	E.CAPACITOR 16V 100U	1	
C2702	ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C2703	ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C2704	ECUM1H271JCN	C.CAPACITOR CH 50V 270P	1	
C2705	ECEA1HU010	E.CAPACITOR 50V 1U	1	
C2709	ECEA1HU010	E.CAPACITOR 50V 1U	1	
C2710	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2711	ECQB1H222JF	P.CAPACITOR 50V 2200P	1	
C2712	ECEA1EU221	E.CAPACITOR 25V 220U	1	
C2714	ECQV1H474JZ	P.CAPACITOR 50V 0.47U	1	
C2716,17	ECEA1EU101	E.CAPACITOR 25V 100U	2	
C2718	ECQV1H474JZ	P.CAPACITOR 50V 0.47U	1	
C2722	ECUM1H102JN	C.CAPACITOR CH 50V 1000P	1	
C2723	ECEA1EU221	E.CAPACITOR 25V 220U	1	
C2724	ECUM1H102JN	C.CAPACITOR CH 50V 1000P	1	
C2725	ECEA1EU221	E.CAPACITOR 25V 220U	1	
C2726	ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2727-30	ECQV1H104JZ	P.CAPACITOR 50V 0.1U	4	
C2731-33	ECEA1HN4R7S	E.CAPACITOR 50V 4.7U	3	
C2734	ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C2735	ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2736	ECQB1H683JF	P.CAPACITOR 50V 0.068U	1	
C2737	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2738	ECEA1CU470	E.CAPACITOR 16V 47U	1	
C2739	ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2740	ECEA1EU470	E.CAPACITOR 25V 47U	1	
C2741	ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U	1	
C2742	ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C2744-46	ECEA1HU2R2	E.CAPACITOR 50V 2.2U	3	
C2747-50	ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U	4	
C2751-53	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C2754	ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2755-57	ECUM1H102JN	C.CAPACITOR CH 50V 1000P	3	
C2758	ECEA1HNR47S	E.CAPACITOR 50V 0.47U	1	
C2759	ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C2760	ECEA1HN2R2S	E.CAPACITOR 50V 2.2U	1	
C2761	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2762	ECEA1HU2R2	E.CAPACITOR 50V 2.2U	1	
C2763	ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2764	ECEA0JU220	E.CAPACITOR 6.3V 22U	1	
C2765	ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C2766	ECEA1HN2R2S	E.CAPACITOR 50V 2.2U	1	
C2767	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2768	ECEA1HU2R2	E.CAPACITOR 50V 2.2U	1	
C2769,70	ECUM1H102JN	C.CAPACITOR CH 50V 1000P	2	
C2793	ECEA1HU4R7	E.CAPACITOR 50V 4.7U	1	
C2804,05	ECEA1EU472	E.CAPACITOR 25V 4700U	2	
C2806	ECEA1HU4R7	E.CAPACITOR 50V 4.7U	1	
C60001	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C60002,03	ECEA1CU102	E.CAPACITOR 16V 1000U	2	
C60005	ECEA0JU332	E.CAPACITOR 6.3V 3300U	1	
C60006	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C60007	ECEA1HU010	E.CAPACITOR 50V 1U	1	
C60008	ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C60009	ECEA0JU332	E.CAPACITOR 6.3V 3300U	1	
C60016	ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C60018,19	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C60022	ECEA1AU220	E.CAPACITOR 10V 22U	1	
C60023	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C60024	ECEA0JU682	E.CAPACITOR 6.3V 6800U	1	
C60101	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C60102	ECEA1CU470	E.CAPACITOR 16V 47U	1	
C60103-06	ECQB1H102JF	P.CAPACITOR 50V 1000P	4	
C60107	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C60108	ECEA1CU221	E.CAPACITOR 16V 220U	1	
C60109	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C60110,11	ECEA1CU100	E.CAPACITOR 16V 10U	2	
C60112	ECEA1CU470	E.CAPACITOR 16V 47U	1	
C60501	ECEA1EU4R7	E.CAPACITOR 25V 4.7U	1	
C60502	ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C60503	ECEA1HN010S	E.CAPACITOR 50V 1U	1	
C60504	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C60505	ECEA1EN101S	E.CAPACITOR 25V 100U	1	
C60506	ECEA1CU101	E.CAPACITOR 16V 100U	1	
C60507	ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C60508,09	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
D1502-04	MA151K	DIODE	3	<R>
D1505	MA701A	DIODE	1	<R>
D1507	MA151K	DIODE	1	<R>
D1508	MA3020	DIODE	1	<R>
D1509	8P2M	DIODE	1	<R>
D1510	MA165	DIODE	1	<R>
D1511	MA151K	DIODE	1	<R>
D1512	VSD0002	DIODE	1	<R>
D1513	AK04	DIODE	1	<R>
D1514	MA1270-M	DIODE	1	<R>
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D1519,20	MA151K	DIODE	2	<R>
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D1524	MA4047M	DIODE	1	<R>
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D1541	MA3091-M	DIODE	1	<R>
D1542	MA4039	DIODE	1	<R>
D1543,44	MA151K	DIODE	2	<R>

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
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D2006	MA151WA	DIODE	1	<R>
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D2309	MA151WK	DIODE	1	<R>
D2401	MA151K	DIODE	1	<R>
D2501,02	MA151K	DIODE	2	<R>
D2701	MA4180-L	DIODE	1	<R>
D2703	MA4160-L	DIODE	1	<R>
D2704	11DQ04	DIODE	1	<R>
D2705	MA151K	DIODE	1	<R>
D2715,16	11DQ04	DIODE	2	<R>
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D2720	MA153	DIODE	1	<R>
D2721	11EQS04	DIODE	1	<R>
D2722	MA153	DIODE	1	<R>
D2723	11EQS04	DIODE	1	<R>
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D2734,35	MA4160-L	DIODE	2	<R>
D2736-38	MA4160-M	DIODE	3	<R>
D2741,42	MA4062M	DIODE	2	<R>
D2743	MA723VT	DIODE	1	<R>
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D60002	MA170	DIODE	1	<R>
D60003-06	11EQS04	DIODE	4	<R>
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D60503	10E1	DIODE	1	<R>
D60504	MA151K	DIODE	1	<R>
D60505	MA170	DIODE	1	<R>
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FA2202	VLF1036D101	FILTER	1	
FL2201-06	VLF0634	FILTER	6	
IC1501	LM393PS	IC	1	<R>
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IC1505,06	TL431CLP	IC	2	<R>
IC2001	MN6742VMEG	IC	1	<R>
IC2002	MN1382-R	IC	1	
IC2003	BA226F	IC	1	<R>
IC2004	MC14052BF	IC	1	<R>
IC2006	TC4S30F	IC	1	<R>
IC2007,08	MN53015VZW	IC	2	<R>
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IC2201	MN19041VMCX	IC	1	<R>
IC2202	L7A0269	IC	1	<R>
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IC2501,02	LM324NS	IC	2	<R>
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC2703	AN3815K	IC	1	<R>
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IC2705	LM393PS	IC	1	<R>
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IC2710,11	UPC4556G2	IC	2	<R>
IC2715	AN78N12	IC	1	<R>
IC60001	TD62503F	IC	1	<R>
IC60002	MN188166VCTG	IC	1	<R>
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IC60502	M54649L	IC	1	<R>
IC60503	MN1382-R	IC	1	
J2002-04	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	3	
J2007	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
J2202	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
J2204,05	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
J2207-12	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	6	
J60001	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
J60003	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
J60005,06	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
K1501	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
K1502	ERDS2T0	C.RESISTOR 1/4W 0	1	
L1501	VLQEL06F101K	COIL 100UH	1	
L1502,03	VLP0074	COIL	2	
L2001,02	VLQEL05S470J	COIL 47UH	2	
L2004-06	VLQEL05S470J	COIL 47UH	3	
L2007	VLP0054	COIL	1	
L2008	VLQEL05S470J	COIL 47UH	1	
L2201,02	VLQEL05S2R2K	COIL 2.2UH	2	
L2203-05	VLP0054	COIL	3	
L2206,07	VLQEL05S2R2K	COIL 2.2UH	2	
L2208	VLQEL05S470J	COIL 47UH	1	
L2301-03	VLQEL05S470J	COIL 47UH	3	
L2401	VLQEL05S470J	COIL 47UH	1	
L2502	VLQEL05S470J	COIL 47UH	1	
L2701	VLQ0128	COIL	1	
L2702-04	VLQ0129	COIL	3	
L2705	VLQEL05S470J	COIL 47UH	1	
L2707	VLQEL05S470J	COIL 47UH	1	
L2711	VLQEL05S470J	COIL 47UH	1	
L60002	VLQEL05S470J	COIL 47UH	1	
L60501	VLQEL05S150K	COIL 15UH	1	
P1501	VJP1146T	CONNECTOR (MALE)	1	
P1502	VJP3076	CONNECTOR (MALE)	1	
P1503	VJP1147	CONNECTOR (MALE)	1	
P2201-03	VJS3202B020Z	CONNECTOR (FEMALE)	3	
P2301	VJP1230T	CONNECTOR (MALE)	1	
P2701	VJP3078	CONNECTOR (MALE)	1	
P2702	VJP3083	CONNECTOR (MALE)	1	
P2703	VJS2149W	CONNECTOR (FEMALE)	1	
P60003	VJS3135	CONNECTOR (FEMALE)	1	
P60501	VJS2149W	CONNECTOR (FEMALE)	1	
P60502	VJP1230T	CONNECTOR (MALE)	1	
P60503	VJS3134	CONNECTOR (FEMALE)	1	
Q1501	2SD1474	TRANSISTOR	1	<R>
Q1502	2SD973A-R	TRANSISTOR	1	<R>

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q1503	2SD1474	TRANSISTOR	1	<R>
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Q1505	2SD973A	TRANSISTOR	1	<R>
Q2001	MSC2295-B	TRANSISTOR	1	<R>
Q2303-05	MSD601-R	TRANSISTOR	3	<R>
Q2703	MSB709-R	TRANSISTOR	1	<R>
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Q2705-07	2SD601A-R	TRANSISTOR	3	<R>
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Q60001	2SD638	TRANSISTOR	1	<R>
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Q60504	2SB819	TRANSISTOR	1	<R>
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QR2304,05	MRN2402	TRANSISTOR-RESISTOR	2	<R>
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		RESISTORS		
R1501	ERDS2TJ181	C.RESISTOR 1/4W 180	1	
R1502	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R1504	ERDS2TJ181	C.RESISTOR 1/4W 180	1	
R1505	VRE0034E103	M.RESISTOR CH 1/10W 10K	1	
R1506	VRE0034E473	M.RESISTOR CH 1/10W 47K	1	
R1507	VRE0034E222	M.RESISTOR CH 1/10W 2.2K	1	
R1509	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R1510	ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R1511	ERJ6GEYJ224	M.RESISTOR CH1/10W 220K	1	
R1512-14	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	3	
R1515	ERDS2TJ222	C.RESISTOR 1/4W 2.2K	1	
R1516-18	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	3	
R1519	ERDS2TJ333	C.RESISTOR 1/4W 33K	1	
R1520	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R1521	ERDS2TJ221	C.RESISTOR 1/4W 220	1	
R1522	ERDS2TJ181	C.RESISTOR 1/4W 180	1	
R1525	ERDS2TJ222	C.RESISTOR 1/4W 2.2K	1	
R1526,27	ERJ6GEYJ331	M.RESISTOR CH1/10W 330	2	
R1528,29	ERDS2TJ181	C.RESISTOR 1/4W 180	2	
R1531	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R1532	VRE0034E562	M.RESISTOR CH 1/10W 5.6K	1	
R1533	VRE0034E392	M.RESISTOR CH 1/10W 3.9K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1534	VRE0034E222	M.RESISTOR CH 1/10W 2.2K	1	
R1535	ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R1536	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R1541,42	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R2001	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R2002	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2004	ERJ6GEYF333	M.RESISTOR CH1/10W 33K	1	
R2005-07	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	3	
R2008	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R2009,10	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R2013	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R2017,18	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R2019	ERJ6GEYF124	M.RESISTOR CH1/10W 120K	1	
R2020	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2021	ERJ6GEYJ683	M.RESISTOR CH1/10W 68K	1	
R2022	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R2027	ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R2028	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R2029	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R2030	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R2031	ERJ6GEYG241	M.RESISTOR CH1/10W 240	1	
R2032	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R2033	ERJ6GEYJ224	M.RESISTOR CH1/10W 220K	1	
R2035,36	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	2	
R2047	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R2048	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R2049	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2054-56	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	3	
R2059,60	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	2	
R2062	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R2064	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2067,68	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R2201	ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R2202	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R2203	ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R2205,06	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	2	
R2207	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2208	ERJ6GEYG104	M.RESISTOR CH1/10W 100K	1	
R2211	ERJ6GEYG473	M.RESISTOR CH1/10W 47K	1	
R2212	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2213-18	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	6	
R2220-23	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	4	
R2240	ERJ6GEYG473	M.RESISTOR CH1/10W 47K	1	
R2241	ERJ6GEYG104	M.RESISTOR CH1/10W 100K	1	
R2242	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R2331	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R2333	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R2334	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R2335	ERJ6GEYF333	M.RESISTOR CH1/10W 33K	1	
R2336	ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R2337	ERJ6GEYG242	M.RESISTOR CH1/10W 2.4K	1	
R2338	ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R2339	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R2340,41	ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	2	
R2342	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R2343	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R2344	ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
R2345	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	1	
R2346	ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
R2347	ERJ6GEYF124	M.RESISTOR CH1/10W 120K	1	
R2352	ERJ6GEYJ752	M.RESISTOR CH1/10W 7.5K	1	
R2353,54	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R2355	ERJ6GEYJ752	M.RESISTOR CH1/10W 7.5K	1	
R2356	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R2357,58	ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	2	
R2359	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R2360,61	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	2	
R2362	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R2363	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	1	
R2364	ERJ6GEYG913	M.RESISTOR CH1/10W 91K	1	
R2370,71	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R2379	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R2401	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R2402,03	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	2	
R2406	ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R2407,08	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	2	
R2409	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R2410	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R2411	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R2501	ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R2502	ERJ6GEYJ334	M.RESISTOR CH1/10W 330K	1	
R2503	ERJ6GEYJ274	M.RESISTOR CH1/10W 270K	1	
R2504	ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R2505	ERJ6GEYJ334	M.RESISTOR CH1/10W 330K	1	
R2506	ERJ6GEYJ154	M.RESISTOR CH1/10W 150K	1	
R2507-10	ERJ6GEYG104	M.RESISTOR CH1/10W 100K	4	
R2511-15	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	5	
R2516	ERJ6GEYG393	M.RESISTOR CH1/10W 39K	1	
R2517	ERJ6GEYG223	M.RESISTOR CH1/10W 22K	1	
R2518-20	ERJ6GEYG124	M.RESISTOR CH1/10W 120K	3	
R2521	ERJ6GEYG154	M.RESISTOR CH1/10W 150K	1	
R2522	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R2523,24	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R2701	ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
R2709,10	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R2711	ERJ6GEYJ154	M.RESISTOR CH1/10W 150K	1	
R2712	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R2713	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R2714-17	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	4	
R2718	ERG2SJ561	M.RESISTOR 2W 560	1	
R2719	ERDS2TJ270	C.RESISTOR 1/4W 27	1	
R2725	ERJ6GEYJ334	M.RESISTOR CH1/10W 330K	1	
R2727	ERDS2TJ150	C.RESISTOR 1/4W 15	1	
R2729	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R2730	ERDS2TJ182	C.RESISTOR 1/4W 1.8K	1	
R2731	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2732	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	1	
R2733	ERDS2TJ182	C.RESISTOR 1/4W 1.8K	1	
R2734	ERDS2TJ391	C.RESISTOR 1/4W 390	1	
R2735	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2736	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	1	
R2738,39	ERDS2TJ150	C.RESISTOR 1/4W 15	2	
R2740	ERX12SJR68	M.RESISTOR 1/2W 0.68	1	
R2743	ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R2747	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2748	ERJ6GEYF124	M.RESISTOR CH1/10W 120K	1	
R2751	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R2752-54	ERDS2TJ330	C.RESISTOR 1/4W 33	3	
R2755	ERX12SJR47	M.RESISTOR 1/2W 0.47	1	
R2756	ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R2757	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2758	ERJ6GEYJ224	M.RESISTOR CH1/10W 220K	1	
R2759	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R2760	ERJ6GEYJ184	M.RESISTOR CH1/10W 180K	1	
R2761,62	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R2763,64	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	2	
R2765	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2766	ERJ6GEYJ224	M.RESISTOR CH1/10W 220K	1	
R2767	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R2768	ERJ6GEYJ184	M.RESISTOR CH1/10W 180K	1	
R2769,70	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R2771,72	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	2	
R2773,74	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R2775	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R2776	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R2777	ERJ6GEYJ334	M.RESISTOR CH1/10W 330K	1	
R2778-82	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	5	
R2783	ERJ6GEYJ224	M.RESISTOR CH1/10W 220K	1	
R2784	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2785	ERJ6GEYJ224	M.RESISTOR CH1/10W 220K	1	
R2786,87	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R2788	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R2789	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R2790	ERJ6GEYF333	M.RESISTOR CH1/10W 33K	1	
R2791	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R2792	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2793	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R2794	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	1	
R2795	ERJ6GEYF333	M.RESISTOR CH1/10W 33K	1	
R2796	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R2799,00	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R2803	ERG2SJ221	M.RESISTOR 2W 220	1	
R2821	ERDS2TJ682	C.RESISTOR 1/4W 6.8K	1	
R2828,29	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	2	
R2830	ERDS2TJ391	C.RESISTOR 1/4W 390	1	
R2831	ERDS2TJ561	C.RESISTOR 1/4W 560	1	
R2832	ERDS2TJ562	C.RESISTOR 1/4W 5.6K	1	
R2833	ERDS2TJ391	C.RESISTOR 1/4W 390	1	
R2834	ERDS2TJ182	C.RESISTOR 1/4W 1.8K	1	
R2835	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R2836	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2838,39	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R2840	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R2841	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R2842,43	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R2844	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R2845	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R2846-48	ERJ6GEYJ271	M.RESISTOR CH1/10W 270	3	
R2849	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R2850	ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R2862,63	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	2	
R60001	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R60002	ERD2FCG220	C.RESISTOR 2W 22	1	
R60003	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R60004	ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R60005	ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R60006	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R60007	ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R60008	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R60009	ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R60010	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R60011	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R60012	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R60013	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R60015	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R60016	ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R60017,18	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R60019	ERDS2TJ472	C.RESISTOR 1/4W 4.7K	1	
R60020	ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R60021-24	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	4	
R60026-29	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	4	
R60030	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R60031	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R60032-35	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	4	
R60043,44	ERJ6GEYF472	M.RESISTOR CH1/10W 4.7K	2	
R60045	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R60047	ERG1SJ330	M.RESISTOR 1W 33	1	
R60050	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R60101	ERJ6GEYG102	M.RESISTOR CH1/10W 1K	1	
R60102	ERJ6GEYG302	M.RESISTOR CH1/10W 3K	1	
R60103-05	ERJ6GEYG102	M.RESISTOR CH1/10W 1K	3	
R60106	ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R60107	ERJ6GEYJ823	M.RESISTOR CH1/10W 82K	1	
R60108-11	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	4	
R60501	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R60502,03	ERJ6GEYG153	M.RESISTOR CH1/10W 15K	2	
R60504	ERJ6GEYG181	M.RESISTOR CH1/10W 180	1	
R60505	ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R60506	ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R60507,08	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	2	
R60509	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R60510,11	ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	2	
R60512	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R60513	ERJ6GEYJ121	M.RESISTOR CH1/10W 120	1	
R60514	ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R60515	ERJ6GEYJ474	M.RESISTOR CH1/10W 470K	1	
R60516	ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R60517,18	ERJ6GEYJ821	M.RESISTOR CH1/10W 820	2	
R60519	ERJ6GEYG181	M.RESISTOR CH1/10W 180	1	
R60520,21	ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	2	
R60522	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R60523	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R60524	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R60525	ERDS2TJ151	C.RESISTOR 1/4W 150	1	
R60526	ERJ6GEYJ683	M.RESISTOR CH1/10W 68K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R60527,28	ERG1SJ300	M.RESISTOR 1W 30	2	
R60529	ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R60530	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
T1501	ETE13K86AY	TRANSFORMER	1	
VR2001	EVN32CA00B54	V.RESISTOR 50K	1	
VR2003	EVN32CA00B15	V.RESISTOR 100K	1	
W2001,02	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
W2301	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
X2001	VSX0296	CRYSTAL OSCILLATOR	1	<R>
X2002	VSX0066	CRYSTAL OSCILLATOR	1	<R>
X2201	VSX0197	CRYSTAL OSCILLATOR	1	<R>
X2401	VSX0086	CRYSTAL OSCILLATOR	1	<R>
X2701	VSX0136	CRYSTAL OSCILLATOR	1	<R>
X60001	VSX0230	CRYSTAL OSCILLATOR	1	<R>
		MISCELLANEOUS		
E43	VMX0985	SPACER	2	
E52	XYN3+F8	SCREW	2	
E80	VSC4042	HEAT SINK	2	
E82	VMC0493	HEAT SINK SPRING	1	
E84	VMC0075	HEAT SINK SPRING	1	
E83	VSC1215	HEAT SINK	1	
E42	VJF0816	CORD CLAMPER	1	
E81	VSC1689	IC HEAT SINK	1	
	VEP04424A	P.C.BOARD W/COMPONENT		
		XLR F		
		CAPACITORS		
C6710-13	ECKF1H103ZF	C.CAPACITOR 50V 0.01U	4	
J6722-25	VJP3417	CONNECTOR (MALE)	4	
P6706	VJP1246T	CONNECTOR (MALE)	1	
P6707	VJP1247T	CONNECTOR (MALE)	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VEP04425A	P.C.BOARD W/COMPONENT		AG-7700E ONLY
		XLR F		
J6726-29	VJS3417	CONNECTOR(FEMALE)	4	
P6708	VJP1246T	CONNECTOR(MALE)	1	
P6709	VJP1247T	CONNECTOR(MALE)	1	
	VEP06906A	P.C.BOARD W/COMPONENT		
		9P IN REMOTE		
P69005	VJP3076	CONNECTOR (MALE)	1	
P69006	VJS2074	CONNECTOR (FEMALE)	1	
		MISCELLANEOUS		
E85	VMP4229	9P IN CONNECTOR ANGLE	1	
E86	XSB3+6F	SCREW	1	
	XYE3+EF8FZ	SCREW	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VEP06908C	P.C.BOARD W/COMPONENT		AG-7700E
		REAR AMP		
		CAPACITORS		
C4001-04	ECEA1CSN100	E.CAPACITOR 16V 10U	4	
C4007-10	ECEA1CSN100	E.CAPACITOR 16V 10U	4	
C4014	ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C4015	ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C4016	ECEA1CKS470	E.CAPACITOR 16V 47U	1	
C4017	ECEA1CKS101	E.CAPACITOR 16V 100U	1	
C4018	ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C4019	ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C4020	ECEA1CSN100	E.CAPACITOR 16V 10U	1	
C4021	ECEA1EKA470	E.CAPACITOR 25V 47U	1	
C4022	ECEA1VKS470	E.CAPACITOR 35V 47U	1	
C4023	ECEA1CSN100	E.CAPACITOR 16V 10U	1	
C4024,25	ECEA1EKA470	E.CAPACITOR 25V 47U	2	
C4026	ECEA1CSN100	E.CAPACITOR 16V 10U	1	
C4027,28	ECEA1EKA470	E.CAPACITOR 25V 47U	2	
C4029	ECEA1CSN100	E.CAPACITOR 16V 10U	1	
C4030,31	ECEA1EKA470	E.CAPACITOR 25V 47U	2	
C4034	ECEA1CKS101	E.CAPACITOR 16V 100U	1	
C4035	ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C4036-41	ECEA1CKA100	E.CAPACITOR 16V 10U	6	
C4042,43	ECEA1CKS100	E.CAPACITOR 16V 10U	2	
C4044	ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C4045	ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C4046-49	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	4	
C6601,02	ECEA1AKA470	E.CAPACITOR 10V 47U	2	
C6605	ECEA1AKA101	E.CAPACITOR 10V 100U	1	
C6607	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C6611	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6612	ECEA0JKS470	E.CAPACITOR 6.3V 47U	1	
C6613	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6614	ECEA0JKS470	E.CAPACITOR 6.3V 47U	1	
C6615	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6616	ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C6621,22	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C6623	ECEA0JKS470	E.CAPACITOR 6.3V 47U	1	
C6624	ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C6628-32	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	5	
C6639	ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C6640	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C6641	ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C6642	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6643	ECEA1HKS4R7	E.CAPACITOR 50V 4.7U	1	
C6644	ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C6645	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6646	ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C6647	ECEA0JKS470	E.CAPACITOR 6.3V 47U	1	
C6648	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6649	ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C6650	ECEA1HKAR22	E.CAPACITOR 50V 0.22U	1	
C6651	ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C6652	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C6653,54	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
C6655,56	ECUM1H390JCN	C.CAPACITOR CH 50V 39P	2	
C6657	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6658	ECEA0JKS470	E.CAPACITOR 6.3V 47U	1	
C6662-64	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
C6665	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6667-70	ECCF1H270JC	C.CAPACITOR 50V 27P	4	
CT6601	ECV1ZW20X60	TRIMMER	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
D4001	MA151WA	DIODE	1	<R>
D4002	MA151WK	DIODE	1	<R>
D4003	MA151WA	DIODE	1	<R>
D4004	MA151WK	DIODE	1	<R>
D4005	MA151WA	DIODE	1	<R>
D4006	MA151WK	DIODE	1	<R>
D4007	MA151WA	DIODE	1	<R>
D4008	MA151WK	DIODE	1	<R>
D4017	MA153A	DIODE	1	<R>
D6601,02	MA151K	DIODE	2	<R>
D6603	MA28W-AB	DIODE	1	<R>
IC4001-03	NJM4556MB	IC	3	<R>
IC4004	AN6558S	IC	1	<R>
IC4005-07	NJM4556MB	IC	3	<R>
IC4008	AN6558S	IC	1	<R>
IC4014-17	NJM4556MB	IC	4	<R>
IC6601	NJM2233BMA	IC	1	<R>
IC6605-07	MC14577CF	IC	3	<R>
IC6610	MN1280P	IC	1	<R>
IC6611	M50455-001SP	IC	1	<R>
L6601-07	VLQEL05K101J	COIL 100UH	7	
L6609,10	VLQEL05K470J	COIL 47UH	2	
L6611	VLQEL05K150J	COIL 15UH	1	
L6612	VLQEL05K101J	COIL 100UH	1	
P4006	VJP3490B13	CONNECTOR (MALE)	1	
P4007,08	VJP3092	CONNECTOR (MALE)	2	
P4009	VJP3490B13	CONNECTOR (MALE)	1	
P6601	VJS1490	CONNECTOR (FEMALE)	1	
P6602,03	VJP3490B13	CONNECTOR (MALE)	2	
P6604	VJS1468	CONNECTOR (FEMALE)	1	
P6605	VJS1490	CONNECTOR (FEMALE)	1	
P6606	VJP3076	CONNECTOR (MALE)	1	
P6607	VJP1243T	CONNECTOR (MALE)	1	
P6608	VJS1488	CONNECTOR (FEMALE)	1	
Q4001-08	MSD601-R	TRANSISTOR	8	<R>
Q4010	2SD601-R	TRANSISTOR	1	<R>
Q4011	2SB710-R	TRANSISTOR	1	<R>
Q4015-17	2SD1306	TRANSISTOR	3	<R>
Q4021-23	2SD1306	TRANSISTOR	3	<R>
Q4027-29	2SD1306	TRANSISTOR	3	<R>
Q4033-35	2SD1306	TRANSISTOR	3	<R>
Q4036	MSB710-R	TRANSISTOR	1	<R>
Q4037	2SB710-R	TRANSISTOR	1	<R>
Q4038	2SD602-R	TRANSISTOR	1	<R>
Q6602,03	MSD601-R	TRANSISTOR	2	<R>
Q6606	MSB709-R	TRANSISTOR	1	<R>
Q6609,10	XN4501	TRANSISTOR	2	<R>
Q6611	MSD601-R	TRANSISTOR	1	<R>
Q6612	XN4401	TRANSISTOR	1	<R>
Q6613	MSB709-R	TRANSISTOR	1	<R>
QR6603	MRN1404	TRANSISTOR-RESISTOR	1	<R>
QR6605	MRN2404	TRANSISTOR-RESISTOR	1	<R>
QR6606	MRN1404	TRANSISTOR-RESISTOR	1	<R>
		RESISTORS		
R4001	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R4002,03	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	2	
R4004,05	ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4006,07	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	2	
R4008	VRE0034E332	M.RESISTOR CH 1/10W 3.3K	1	
R4009-14	VRE0034E472	M.RESISTOR CH 1/10W 4.7K	6	
R4015	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R4016	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R4017	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R4018,19	ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	2	
R4020,21	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	2	
R4022	VRE0034E332	M.RESISTOR CH 1/10W 3.3K	1	
R4023-28	VRE0034E472	M.RESISTOR CH 1/10W 4.7K	6	
R4029	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R4030	ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R4032-35	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	4	
R4036	ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R4038-40	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	3	
R4041	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R4042,43	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	2	
R4044,45	ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	2	
R4046,47	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	2	
R4048	VRE0034E332	M.RESISTOR CH 1/10W 3.3K	1	
R4049-54	VRE0034E472	M.RESISTOR CH 1/10W 4.7K	6	
R4055	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R4056,57	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	2	
R4058,59	ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	2	
R4060,61	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	2	
R4062	VRE0034E332	M.RESISTOR CH 1/10W 3.3K	1	
R4063-68	VRE0034E472	M.RESISTOR CH 1/10W 4.7K	6	
R4069	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R4070	ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R4072-76	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	5	
R4077	ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R4079-82	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	4	
R4094,95	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R4096,97	ERJ6GEYG151	M.RESISTOR CH1/10W 150	2	
R4107	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R4108	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R4109	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R4110	ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R4111	ERJ6GEYG912	M.RESISTOR CH1/10W 9.1K	1	
R4112	ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R4113,14	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	2	
R4115	ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R4116	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R4117	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R4118	ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R4119-23	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	5	
R4133	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R4134,35	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	2	
R4136	ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R4137	ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R4138	ERJ6GEYG912	M.RESISTOR CH1/10W 9.1K	1	
R4139,40	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	2	
R4141	ERJ6GEYJ822	M.RESISTOR CH1/10W .8.2K	1	
R4142	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R4143	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R4144	ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R4145-49	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	5	
R4159	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R4160,61	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	2	
R4162	ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R4163	ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R4164,65	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	2	
R4166	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R4167	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R4168	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R4169	ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R4170	ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R4171	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R4172	ERJ6GEYG912	M.RESISTOR CH1/10W 9.1K	1	
R4173-75	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	3	
R4185	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R4186,87	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	2	
R4188	ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R4189	ERJ6GEYG912	M.RESISTOR CH1/10W 9.1K	1	
R4190	ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4191,92	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	2	
R4193	ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R4194	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R4195	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R4196	ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R4197-01	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	5	
R4204	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R4205	ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
R4206,07	ERJ6GEYG151	M.RESISTOR CH1/10W 150	2	
R4208-11	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	4	
R6601	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R6602	ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R6604	ERJ6GEYG750	M.RESISTOR CH1/10W 75	1	
R6604	ERJ6GEYJ750	M.RESISTOR CH1/10W 75	1	
R6608	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R6609	ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R6610	ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R6618	ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R6619	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R6620	ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R6621,22	VRE0034E102	M.RESISTOR CH 1/10W 1K	2	
R6623	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R6624	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R6628-31	VRE0034E471	M.RESISTOR CH 1/10W 470	4	
R6632,33	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R6639-46	VRE0034E471	M.RESISTOR CH 1/10W 470	8	
R6649	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R6650	ERJ6GEYJ474	M.RESISTOR CH1/10W 470K	1	
R6652	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R6653	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R6654,55	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	2	
R6656	ERJ6GEYJ271	M.RESISTOR CH1/10W 270	1	
R6657	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R6658	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R6659	ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R6660	ERJ6GEYJ391	M.RESISTOR CH1/10W 390	1	
R6662	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R6663	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R6664	ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R6665	ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R6668	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R6669	ERJ6GEYF124	M.RESISTOR CH1/10W 120K	1	
R6670	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R6671	ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R6672	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R6673	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
SW4004,05	VSS0208	SWITCH	2	<R>
VR4005-08	EVN32CA00B53	V.RESISTOR 5K	4	
X6601	VSX0316	CRYSTAL OSCILLATOR	1	<R>

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VEP06908D	P.C.BOARD W/COMPONENT		AG-7600E
		REAR AMP		
		CAPACITORS		
C4016	ECEA1CKS470	E.CAPACITOR 16V 47U	1	
C4017	ECEA1CKS101	E.CAPACITOR 16V 100U	1	
C4018	ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C4019	ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C4020	ECEA1CSN100	E.CAPACITOR 16V 10U	1	
C4021	ECEA1EKA470	E.CAPACITOR 25V 47U	1	
C4022	ECEA1VKS470	E.CAPACITOR 35V 47U	1	
C4023	ECEA1CSN100	E.CAPACITOR 16V 10U	1	
C4024,25	ECEA1EKA470	E.CAPACITOR 25V 47U	2	
C4026	ECEA1CSN100	E.CAPACITOR 16V 10U	1	
C4027,28	ECEA1EKA470	E.CAPACITOR 25V 47U	2	
C4029	ECEA1CSN100	E.CAPACITOR 16V 10U	1	
C4030,31	ECEA1EKA470	E.CAPACITOR 25V 47U	2	
C4034	ECEA1CKS101	E.CAPACITOR 16V 100U	1	
C4035	ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C4036-41	ECEA1CKA100	E.CAPACITOR 16V 10U	6	
C4042,43	ECEA1CKS100	E.CAPACITOR 16V 10U	2	
C6611	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6612	ECEA0JKS470	E.CAPACITOR 6.3V 47U	1	
C6613	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6614	ECEA0JKS470	E.CAPACITOR 6.3V 47U	1	
C6615	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6616	ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C6621,22	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C6623	ECEA0JKS470	E.CAPACITOR 6.3V 47U	1	
C6624	ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C6628-33	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	6	
C6635	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C6639	ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C6640	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C6641	ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C6642	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6643	ECEA1HKS4R7	E.CAPACITOR 50V 4.7U	1	
C6644	ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C6645	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6646	ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C6647	ECEA0JKS470	E.CAPACITOR 6.3V 47U	1	
C6648	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6649	ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C6650	ECEA1HKAR22	E.CAPACITOR 50V 0.22U	1	
C6651	ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C6652	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C6653,54	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
C6655,56	ECUM1H390JCN	C.CAPACITOR CH 50V 39P	2	
C6657	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6658	ECEA0JKS470	E.CAPACITOR 6.3V 47U	1	
C6662-64	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
C6667,68	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	2	
C6670,71	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	2	
C6674	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
CT6601	ECV1ZW20X60	TRIMMER	1	
D4017	MA153A	DIODE	1	<R>
D6601	MA151K	DIODE	1	<R>
D6603	MA28W-AB	DIODE	1	<R>
IC4014-17	NJM4556MB	IC	4	<R>

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC6605-08	MC14577CP	IC	4	<R>
IC6610	MN1280P	IC	1	<R>
IC6611	M50455-001SP	IC	1	<R>
L6601-07	VLQEL05K101J	COIL 100UH	7	
L6609,10	VLQEL05K470J	COIL 47UH	2	
L6611	VLQEL05K150J	COIL 15UH	1	
L6612	VLQEL05K101J	COIL 100UH	1	
P4006	VJP3490B13	CONNECTOR (MALE)	1	
P4007	VJP3092	CONNECTOR (MALE)	1	
P4009	VJP3490B13	CONNECTOR (MALE)	1	
P6601	VJS1490	CONNECTOR (FEMALE)	1	
P6602,03	VJP3490B13	CONNECTOR (MALE)	2	
P6605	VJS1490	CONNECTOR (FEMALE)	1	
P6606	VJP3076	CONNECTOR (MALE)	1	
P6608	VJS1488	CONNECTOR (FEMALE)	1	
Q4010	2SD601-R	TRANSISTOR	1	<R>
Q4011	2SB710-R	TRANSISTOR	1	<R>
Q4015-17	2SD1306	TRANSISTOR	3	<R>
Q4021-23	2SD1306	TRANSISTOR	3	<R>
Q4027-29	2SD1306	TRANSISTOR	3	<R>
Q4033-35	2SD1306	TRANSISTOR	3	<R>
Q4036	MSB710-R	TRANSISTOR	1	<R>
Q6606	MSB709-R	TRANSISTOR	1	<R>
Q6609,10	XN4501	TRANSISTOR	2	<R>
Q6611	MSD601-R	TRANSISTOR	1	<R>
Q6612	XN4401	TRANSISTOR	1	<R>
QR6605	MRN2404	TRANSISTOR-RESISTOR	1	<R>
QR6606	MRN1404	TRANSISTOR-RESISTOR	1	<R>
		RESISTORS		
R4096,97	ERJ6GEYG151	M.RESISTOR CH1/10W 150	2	
R4107	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R4108	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R4109	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R4110	ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R4111	ERJ6GEYG912	M.RESISTOR CH1/10W 9.1K	1	
R4112	ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R4113,14	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	2	
R4115	ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R4116	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R4117	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R4118	ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R4119-23	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	5	
R4133	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R4134,35	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	2	
R4136	ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R4137	ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R4138	ERJ6GEYG912	M.RESISTOR CH1/10W 9.1K	1	
R4139,40	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	2	
R4141	ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R4142	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R4143	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R4144	ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R4145-49	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	5	
R4159	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R4160,61	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	2	
R4162	ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R4163	ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R4164,65	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	2	
R4166	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R4167	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4168	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R4169	ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R4170	ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R4171	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R4172	ERJ6GEYG912	M.RESISTOR CH1/10W 9.1K	1	
R4173-75	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	3	
R4185	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R4186,87	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	2	
R4188	ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R4189	ERJ6GEYG912	M.RESISTOR CH1/10W 9.1K	1	
R4190	ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R4191,92	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	2	
R4193	ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R4194	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R4195	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R4196	ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R4197-01	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	5	
R4204	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R4205	ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
R6618	ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R6619	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R6620	ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R6621,22	VRE0034E102	M.RESISTOR CH 1/10W 1K	2	
R6623	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R6624	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R6628-31	VRE0034E471	M.RESISTOR CH 1/10W 470	4	
R6632,33	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R6639-46	VRE0034E471	M.RESISTOR CH 1/10W 470	8	
R6649	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R6650	ERJ6GEYJ474	M.RESISTOR CH1/10W 470K	1	
R6651	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R6652	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R6653	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R6654,55	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	2	
R6656	ERJ6GEYJ271	M.RESISTOR CH1/10W 270	1	
R6657	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R6658	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R6659	ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R6660	ERJ6GEYJ391	M.RESISTOR CH1/10W 390	1	
R6662	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R6663	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R6664	ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R6665	ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R6672	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R6673	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R6676	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R6677,78	VRE0034E471	M.RESISTOR CH 1/10W 470	2	
VR4005-08	EVN32CA00B53	V.RESISTOR 5K	4	
X6601	VSX0316	CRYSTAL OSCILLATOR	1	<R>
	VEP06909C	P.C.BOARD W/COMPONENT		AG-7700E
		REAR JACK		
J6701-04	VJS3154	CONNECTOR (FEMALE)	4	
J6705	VJS3155	CONNECTOR (FEMALE)	1	
J6711-13	VJS3154	CONNECTOR (FEMALE)	3	
J6714,15	VJS3155	CONNECTOR (FEMALE)	2	
J6720,21	VJS3154	CONNECTOR (FEMALE)	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
P6701	VJS3215B012	CONNECTOR (FEMALE)	1	
P6702	VJS3215B008	CONNECTOR (FEMALE)	1	
P6703	VJS3215B012	CONNECTOR (FEMALE)	1	
P6704	VJS3215B010	CONNECTOR (FEMALE)	1	
		RESISTORS		
R6701,02	ERDS2CKG75R0	M.RESISTOR 1/4W 75.0	2	
R6704-06	ERDS2CKG75R0	M.RESISTOR 1/4W 75.0	3	
R6707	ERDS2CKG68R0	M.RESISTOR 1/4W 68.0	1	
R6708-11	ERDS2CKG75R0	M.RESISTOR 1/4W 75.0	4	
R6718,19	ERDS2TJ104	C.RESISTOR 1/4W 100K	2	
SW6701,02	VSS0303	SWITCH	2	<R>
SW6705,06	VSS0390	SWITCH	2	<R>
		MISCELLANEOUS		
E99	VMX2078	P.C.B. SPACER	3	
	VXQ0102	SCREW	2	
	VEP06909D	P.C.BOARD W/COMPONENT		AG-7600E
		REAR JACK		
J6703,04	VJS3154	CONNECTOR (FEMALE)	2	
J6711-13	VJS3154	CONNECTOR (FEMALE)	3	
J6714,15	VJS3155	CONNECTOR (FEMALE)	2	
J6721	VJS3154	CONNECTOR (FEMALE)	1	
P6701	VJS3215B012	CONNECTOR (FEMALE)	1	
P6703	VJS3215B012	CONNECTOR (FEMALE)	1	
P6704	VJS3215B010	CONNECTOR (FEMALE)	1	
		RESISTORS		
R6702	ERDS2CKG75R0	M.RESISTOR 1/4W 75.0	1	
R6705,06	ERDS2CKG75R0	M.RESISTOR 1/4W 75.0	2	
R6707	ERDS2CKG68R0	M.RESISTOR 1/4W 68.0	1	
R6708-11	ERDS2CKG75R0	M.RESISTOR 1/4W 75.0	4	
R6719	ERDS2TJ104	C.RESISTOR 1/4W 100K	1	
SW6702	VSS0303	SWITCH	1	<R>
		MISCELLANEOUS		
E99	VMX2078	P.C.B. SPACER	3	
	VXQ0102	SCREW	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VEK4265	P.C.BOARD W/COMPONENT		
		REV TENSION SENSOR UNIT		
		MISCELLANEOUS		
E156	VMA7987	REV PHOTO HOLDER	1	
E157	ON1108	PHOTO INTERRUPTER	1	<R>
E94	XTV26+4F	SCREW	1	
	VEK4058	P.C.BOARD W/COMPONENT		
		PHOTO TR (R) UNIT		
		MISCELLANEOUS		
E92	VMD0645	PHOTO TR HOLDER	1	
	VEK3578	P.C.BOARD W/COMPONENT		
		PHOTO TR (L) UNIT		
		MISCELLANEOUS		
E91	VMD0645	PHOTO TR HOLDER	1	
	VEK5556	P.C.BOARD W/COMPONENT		
		SEARCH DIAL UNIT		
		MISCELLANEOUS		
E87	VSQ0651	JOG/SHUTTLE UNIT	1	<R>
E88	XTV3+6F	SCREW	2	
E89	XTV3+8J	SCREW	3	
E90	XYE3+EF6	SCREW	1	

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