ORDER NO. VSD9109M615

V11134

Service Manual

Panasonic Professional/Industrial Video S-VHS 625 VHS PAL Hi-Fi

Editing Video Cassette Recorder

AG-7350-E -B

Editing Video Cassette Player

AG-7150-E -B

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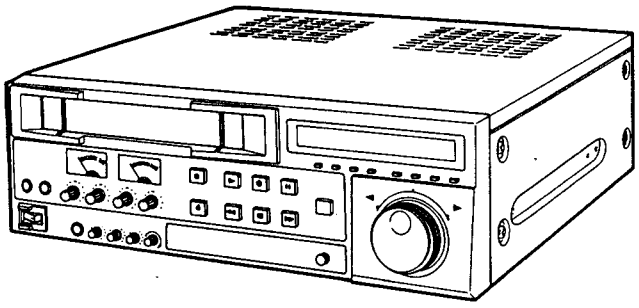
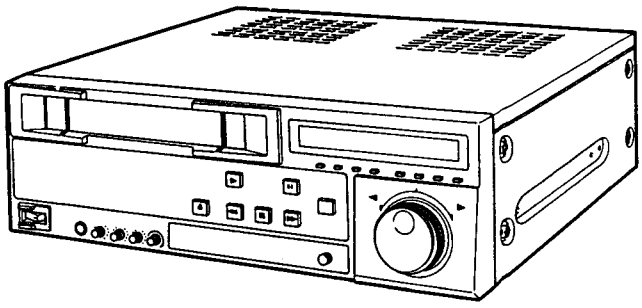


AG-7350



AG-7150

Panasonic

SPECIFICATIONS AG-7350 [AG-7150]

ITEM	SPECIFICATION
Power	Source: AC 120~240V, 50~60Hz Consumption: Approx. 50W [Approx. 44W]
Television Format	CCIR standard (625 lines, 50 fields) PAL colour signal, moditied SECAM colour signal 4.43MHz modified NTSC colour signal
Tape Speed	23.39mm/s (PAL, modified SECAM), 33.35mm/s (Modified NTSC)
Tape Format	S-VHS tape, VHS tape
FF/REW Time	Approx. 2min. with NV-E180
Video	Head: 4 rotary heads, 2 head-helical scanning system 49μm (NOR)×2, 35μm (SS)×2 1 flying (rotary) erase head 97μm×2 (AG-7350)
	Luminance: FM azimuth recording
	Color signal: Converted subcarrier phase shift recording
	Input level: LINE IN (BNC): (AG-7350 only) 1.0Vp-p, 75Ω unbalanced S-VIDEO IN (4P): (AG-7350 only) Y; 1.0Vp-p, 75Ω unbalanced C; 0.286Vp-p, burst level 75Ω unbalanced EXT. SYNC (BNC): 4.0Vp-p, (negative pulse) 75Ω unbalanced
	Output level: LINE OUT (BNC): 1.0Vp-p 75Ω, unbalanced×2 S-VIDEO OUT (4P): Y; 1.0Vp-p 75Ω, unbalanced C; 0.286Vp-p, burst level 75Ω unbalanced
	Signal-to-Noise Ratio (VHS): B/W; 45dB Color, 45dB
	Horizontal Resolution: B/W; more than 400 lines (S-VHS), 300 lines (VHS) Color; more than 400 lines (S-VHS), 240 lines (VHS)
TIME Code (CH2)	Input level (PHONO): 1.0Vp-p, 10kΩ unbalanced (AG-7350) Output level (PHONO): 2.4Vp-p, low impedance unbalanced

ITEM	SPECIFICATION
Audio	Head: Normal Audio/Control: 1 stationary head Hi-Fi Audio: 2 rotary heads; 36μm×2 Erase: 1 full track erase 1 Audio track erase
	Track: 4 tracks (Normal: 2 tracks, Hi-Fi: 2 tracks)
	Input level: LINE IN Hi-Fi (PHONO): −8dBv, 47kΩ unbalanced×2 (AG-7350 only) LINE IN NORMAL/Hi-Fi (PHONO): −8dBv, 47kΩ unbalanced×2 (AG-7350 only) MIC IN (1/4"): −60dBv, 4.7kΩ unbalanced×2 (AG-7350 only)
	Output level: LINE OUT Hi-Fi (PHONO): −8dBv, 600Ω unbalanced×2 LINE OUT NORMAL/Hi-Fi (PHONO): −8dBv, 600Ω unbalanced×2 HEADPHONES (1/4"): −60dBv~−20dBv, 8Ω unbalanced MONITOR OUT (PHONO): 0dBv, 600Ω unbalanced
	Frequency Response: Normal: 50Hz~12kHz Hi-Fi: 20Hz~20kHz
	Hi-Fi Dynamic Range: more than 90dB
	Signal-to Noise Ratio: better than 48dB (Normal) (with Dolby NR switch ON)
Operating Condition	Temperature; 5°C~40°C (during operation) Humidity; 35%~80%
Dimensions	424mm (W)×131.5mm (H)×424mm (D)
Weight	Approx. 11kg [Approx. 10.8kg]
Standard Accessories	34P Interface Adaptor (Mounted on the unit) Power Cord S-VHS cable (4P)
Optional Accessories	RS-232C Interface Adaptor (AG-IA232TC) Remoto Controller (AG-A600) 4P S-VIDEO Cable (AG-C71A, AG-C70A) Rack Mount Adaptor (AG-M730)

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

INTRODUCTION

This Service Manual contains all the technical information which allow service personnel to understand and service the Panasonic S-VHS Cassette recorder model AG-7350-E/B, video cassette player model AG-7150-E/B.

These models are developed for applications in industry and educational establishments and in addition, it has an optional accessory RS-232C interface is a capable of satellite communication. By the use S-VHS system, a sharp picture quality with high resolution is obtained, and advanced editing by easy operation is realized by the introduction of high reliability mechanism.

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SAFETY PRECAUTIONS

GENERAL GUIDELINES

1. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
2. After servicing, see to it that all the protective 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 on the plug.
2. Measure the resistance value, with an ohm meter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads connectors, control shafts,etc. When the exposed metallic part has a return path to the chassis, the reading should be between 1M ohm and 5.2 M ohm.
   When the exposed metal does not have a return path to the chassis, the reading must be ∞.

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 1.5k ohm, 10 watts resistor, in parallel with a 0.15uF capacitor, between each exposed metallic part on the set and 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 measure 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 potential 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 possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

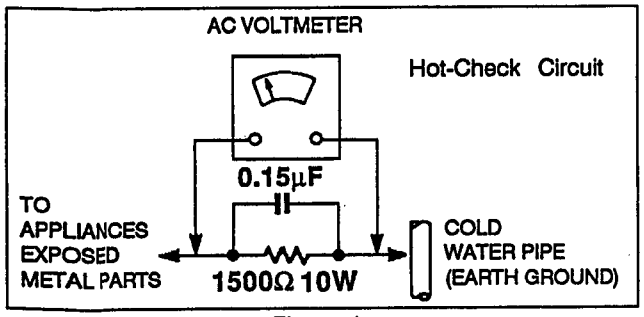

Figure 1

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 replacementES devices are packaged with leads eletcrically shorted together by conductive foam, aluminum foil or comparable conductive material).
7. Immediately before removing the protective material from 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 devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device).

Section 1

OPERATING INSTRUCTIONS

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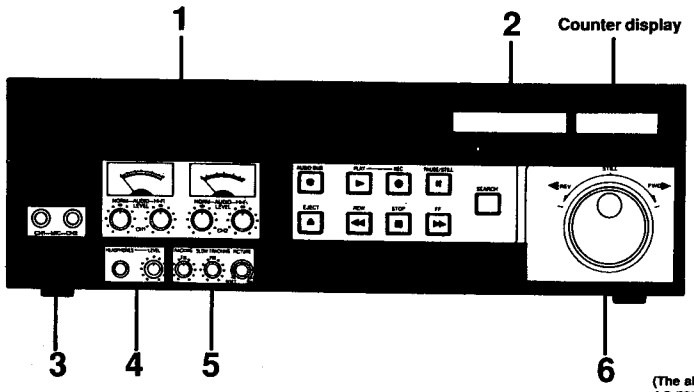
1-1. Front Panel Parts



(The above illustration is AG-7350.)

1 Level control area (AG-7350 only)

Audio (CH1) level meter ..... Displays CH1 audio level.
Audio (CH2) level meter ..... Displays CH2 audio level or tracking level.
Audio (CH1) NORMAL LEVEL control ..... Adjusts recording level for normal audio CH1.
Audio (CH1) Hi-Fi LEVEL control ..... Adjusts recording level for Hi-Fi audio CH1.
Audio (CH2) NORMAL LEVEL control ..... Adjusts recording level for normal audio CH2.
Audio (CH2) Hi-Fi LEVEL control ..... Adjusts recording level for Hi-Fi audio CH2.

2 Function display lamp area

Cassette "IN" lamp ( ) ..... Lights when a cassette is inserted.
S-VHS lamp ( ) ..... Lights in S-VHS mode.
Hi-Fi lamp ..... Lights when Hi-Fi sound is recorded or played back.
DOLBY* NR lamp ..... Lights when Dolby NR system is used.
SENSOR lamp (AG-7350 only) ..... Lights when SENSOR REC switch is ON. Flashes when no tape is inserted or tape with broken removable tab is inserted with the SENSOR REC switch set to ON.
"6H" lamp ..... Lights when played back in 6H mode (EP).
One-time playback lamp ( ) ..... Lights in one-time repeated playback mode.
Memory stop lamp (→000) ..... Lights in counter (0:00:00) stop mode.
Continuous playback lamp ( ) ..... Lights in continuous repeated playback 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.

3 Microphone area (AG-7350 only)

MIC jacks (CH1/CH2) ..... Connects 1/4" external microphone.

4 Headphone area

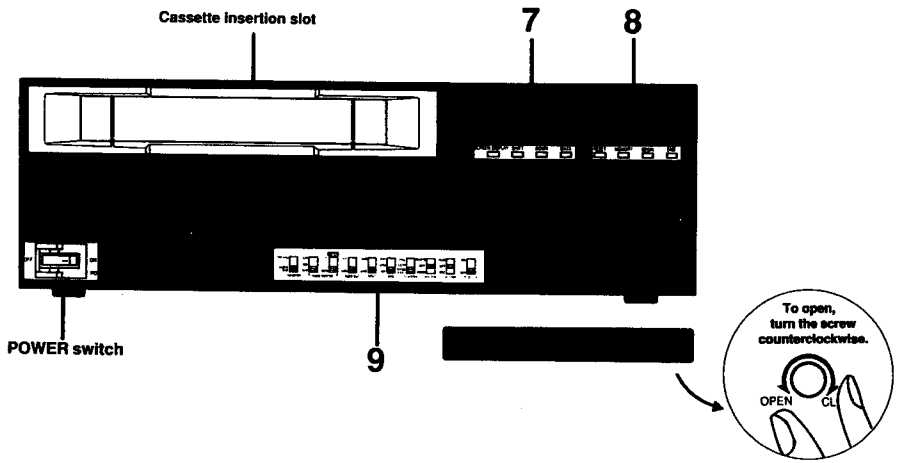
HEADPHONE jack ..... Connects 1/4" stereo headphones.
HEADPHONE LEVEL control ..... Adjusts headphones volume.

5 Picture adjusting area

TRACKING control ..... Adjusts tracking.
SLOW TRACKING control ..... Adjusts slow motion tracking.
PICTURE adjusting knob ..... Adjusts picture sharpness during playback.

6 Basic operation area

AUDIO DUB button (AG-7350 only) ..... Starts audio dubbing when used together with PLAY button during playback.
PLAY button ..... Starts playback.
REC button (AG-7350 only) ..... Starts recording when used together with PLAY button.
PAUSE/STILL button ..... Establishes still-picture mode during playback and pause mode during recording.
EJECT button ..... For ejecting the cassette.
REW button ..... Rewinds the tape.
STOP button ..... Stops all operations.
FF button ..... Fast forwards the tape.
SEARCH button ..... Executes and releases search.
Search/JOG dial ..... Adjusts search speed.



7 Menu setting area

SCREEN DISPLAY button ..... Displays initial setting menu on the screen.
SHIFT button ..... Changes the menu pages and shifts the flashing of the indicator rightward.
DOWN button ..... Shifts the flashing of the line indicator downward.
DATA button ..... Inputs the digit data and selects the data.

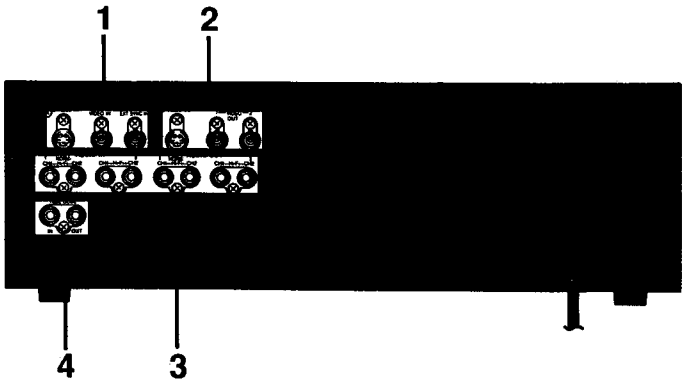
8 Function setting area

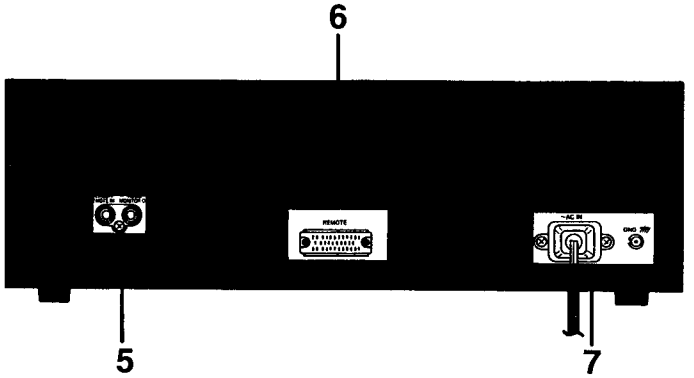
RESET button ..... Resets the tape counter.
MEMORY button ..... Sets the memory auto stop and selects the repeat mode.
BEGIN button ..... Sets the repeat beginning point.
END button ..... Sets the repeat ending point.

9 Function setting area

CH2 METER selector ..... Selects between Audio CH2 Level Meter and Tracking Meter for Audio (CH2) level meter.
AUDIO MONITOR meter selectors ..... Selects type of sound and channel to be monitored.
AUDIO OUT selector ..... Selects type of sound to be output from Audio Output Jacks.
INPUT signal selector (AG-7350 only) ..... Selects video input signal.
SYNC mode selector ..... Selects type of signal to be synchronized.
SENSOR REC selector (AG-7350 only) ..... Selects the mode to be recorded automatically.
EXT TIMER selector ..... Selects timer mode.
MODE LOCK selector ..... Inhibits function of the front panel buttons.
TV SYSTEM selector ..... Selects the 3 VHS system, PAL, CCIR and NTSC 4.43.

1-2. Rear Panel Parts





1 Video input signal area

S-VIDEO IN connector (AG-7350 only) ..... S-VIDEO signal input connector.
VIDEO IN connector (AG-7350 only) ..... Video signal input connector.
EXT SYNC IN connector ..... To synchronize with the external reference synchronizing signal.

2 Video output signal area

S-VIDEO OUT connector ..... S-VIDEO signal output connector.
VIDEO OUT (1, 2) connectors ..... Video signal output connectors.

3 Audio signal area

NORM/Hi-Fi audio input connectors ..... NORM/Hi-Fi audio (CH1/2) input connectors.
(AG-7350 only)
Hi-Fi audio input connectors ..... Input connectors for Hi-Fi sound only.
(AG-7350 only)
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.

4 Time code signal area

TIME CODE IN connector (AG-7350 only) .... Time Code signal input connector.
TIME CODE OUT connector ..... Time Code signal output connector.

5 Sensor remote recording/Monitor output area

SENSOR REMOTE connector (AG-7350 only) .. Sensor remote signal recording connector.
AUDIO MONITOR OUT connector ..... Audio monitor signal output connector.

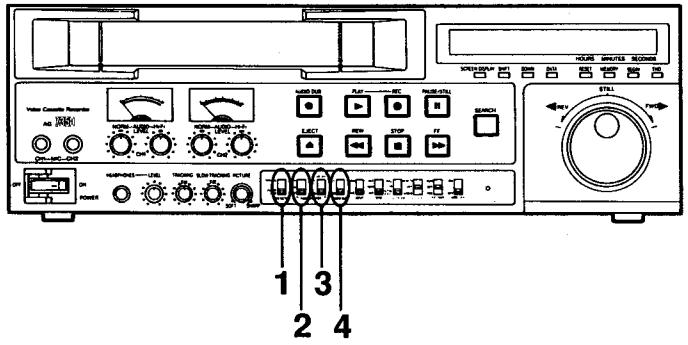
6 Remote signal area

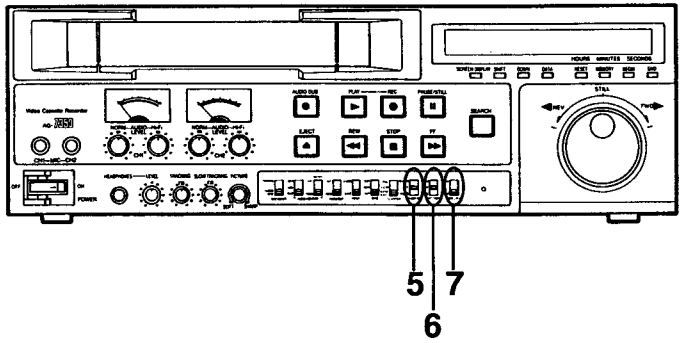
REMOTE connector ..... Connector for remote search controller (AG-A600).

7 Power supply circuit area

AC IN socket ..... Connected to AC 120-240V power outlet.
GND terminal ..... When connecting this unit to any other component, make absolutely sure that it is properly grounded by connecting this terminal.

1-3. Setting the Switches

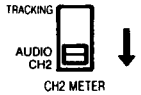




(The above illustration is AG-7350.)

1. CH2 METER Selector (AG-7350 only)

Used to adjust the audio (CH2) input level during recording. Set this selector to "AUDIO CH2" before making adjustment for the recording level of audio channel 2.



2. AUDIO MONITOR Selector

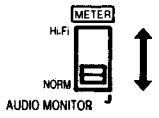
Used to select the audio channel which is to be heard on the TV monitor or headphones through the HEADPHONE Jack on the front panel or the AUDIO MONITOR OUT connector on the rear panel of the unit.

CH1: To monitor the audio signal from channel 1.
MIX: To monitor the mixed audio signals from channels 1 and 2 through the AUDIO MONITOR OUT connector or HEADPHONES Jack. When using headphones, audio channels 1 (left) and 2 (right) can be monitored separately.
CH2: To monitor the audio signal channel 2.

3. METER Selector (No LEVEL meter for AG-7150.)

Used to display the recording level of Hi-Fi audio or normal audio on the LEVEL meter and select the audio output signal from the HEADPHONES Jack on the front panel or the AUDIO MONITOR OUT connector on the rear panel.

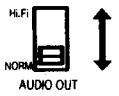
Hi-Fi: Selects Hi-Fi audio.
NORM: Selects normal audio.



4. AUDIO OUT Selector

Used to select the audio output signal from the NORM/Hi-Fi audio output connectors on the rear panel.

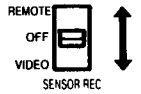
Hi-Fi: Discriminates between Hi-Fi and normal audio automatically. When there is no Hi-Fi audio output signal, normal audio will be automatically outputted.
NORM: Normal audio is outputted.



5. SENSOR REC Selector (AG-7350 only)

Used to select the mode to be recorded automatically.

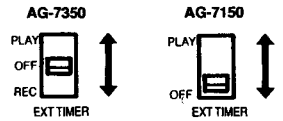
REMOTE: To perform automatic recording of control signal from the connector at rear panel.
OFF: Normally, set this switch to this position.
VIDEO: To detect the video input signal from the VIDEO IN connector and record automatically.



6. EXT TIMER Selector

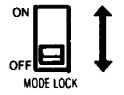
Used to perform timer recording or playback.

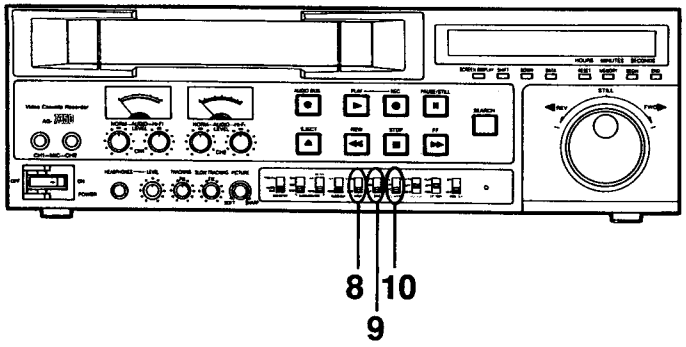
PLAY: To perform timer playback with an external timer.
OFF: Normally, set this switch to this position.
REC: To perform timer recording with an external timer.



7. MODE LOCK Selector

ON: To operate the unit with a remote controller. When this switch is set to this position, the operation buttons on the front panel of the unit will be rendered inoperative.
OFF: When this switch is set to this position, the operation buttons on the front panel are operative and the unit can also be controlled with the remote controller.



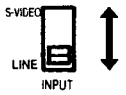


8. INPUT Signal Selector (AG-7350 only)

Used to select video input signal to be recorded.

S-VIDEO: To record video signal through the S-VIDEO IN Connector.

LINE: To record video signal through the VIDEO IN Connector.



9. SYNC Selector

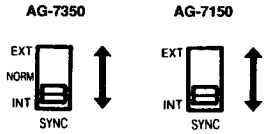
Select the synchronizing signal.

EXT: To synchronize to the external composite sync signal transmitted through the EXIT SYNC IN Connector during playback or recording.

NORM: To synchronize to the video input signal transmitted from the VIDEO IN Connector. (If there is no video input signal, the "INT" mode will be selected.)

INT: To synchronize to the internal oscillator built in this unit. (During recording, it will be automatically synchronized to the video input signal.)

■ When setting to "EXT", be sure to input an external composite sync signal.



10. TV SYSTEM Selector

Used to select the 3 VHS system.

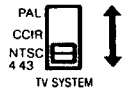
PAL: To playback or record by PAL system.

CCIR: To playback or record by CCIR system. (S-VHS recording can not be made.)

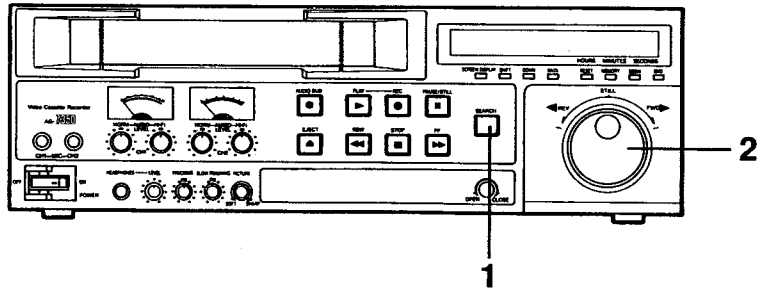
NTSC 4.43: To playback tapes recorded by NTSC system. (Recording cannot be performed.)

■ PAL and CCIR systems can not be distinguished automatically.

■ If REC and PLAY Buttons are pressed simultaneously when this selector is set to "NTSC 4.43", the unit will automatically go into playback mode.



1-4. Search Operations



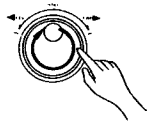
1. Press the SEARCH Button.

The SEARCH, PLAY and PAUSE/STILL Buttons' indicators will light up. Then the unit goes into the SEARCH standby mode.

2. Operate the SEARCH/JOG Dial.

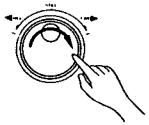
The inner part dial is JOG mode while the outer part dial is SHUTTLE mode.

■ When the SEARCH/JOG Dial is rotated clockwise, the tape will be played back in the forward direction (the FWD indicator appears). When it is rotated counterclockwise, the tape will be played back in the reverse direction (the REV indicator appears).



[1] JOG mode

In response to the speed at which the inner part dial is turned, the tape can be played back at a speed ranging from still picture to ±1x normal tape speed.
When the turning is stopped, a still picture is always produced.



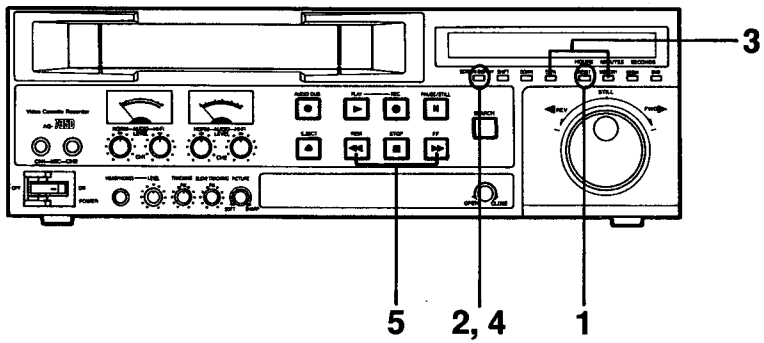
[2] SHUTTLE mode

When the outer part dial is rotated in the SHUTTLE mode, the tape speed will be changed depending on the position of the SEARCH/JOG Dial. The tape speed can be changed from 0 (ie, STILL playback) to 9 times the normal tape speed.
The still picture is obtained when the SEARCH/JOG Dial is set to the center fix position (click-stop).

Note

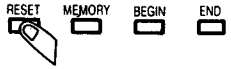
■ Set the "DIRECT SEARCH" mode in the ON-SCREEN (initial setting) menu to "ON" to perform the direct search operation. (Refer pages 38 to 41.)

1-5. MEMORY STOP Functions



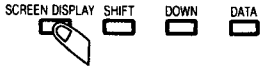
1. Press the RESET Button at the point to be automatically stopped.

■ The tape counter will be reset to "0:00:00".



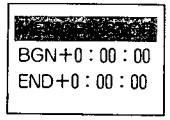
2. Press the SCREEN DISPLAY Button.

■ The ON-SCREEN menu will be displayed on the TV monitor.

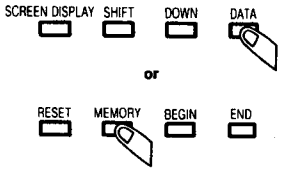


3. Press the DATA or MEMORY Button.

■ Select the "MEMORY STOP" mode.



("→000" lamp lights up in the counter.)

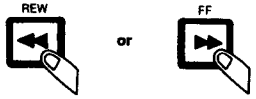


4. Press the SCREEN DISPLAY Button.

■ The normal picture will appear.

5. Press the FF or REW Button.

■ When the FF or REW Button is pressed, the tape will be wound and then stopped automatically around the tape counter position "0:00:00".



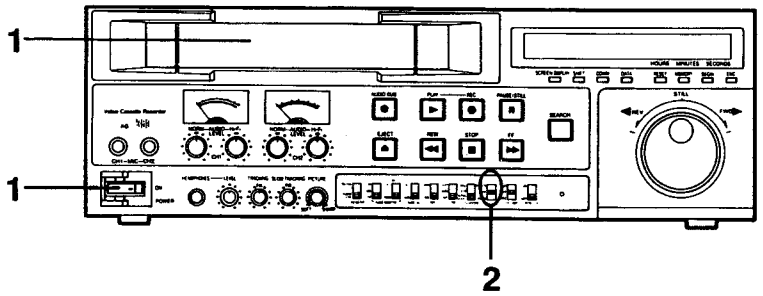
Notes

- MEMORY STOP function is also available by just pressing the MEMORY Button at the position except "0:00:00" after step 1 described above.
- When finished with this function, be sure to select "MEMORY OFF" in step 3 described above. ("→000" lamp goes off in the counter.)

1-6. Sensor Recording (AG-7350 only)

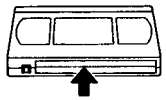
Model AG-7150 is not equipped with recording function.

The unit allows to start recording automatically if a video input signal is supplied to the unit from an external source such as a satellite, etc.



1. Turn on the unit and insert a video cassette.

Make sure that the erasure prevention tab on the video cassette is intact.



2. Set the SENSOR REC Selector.

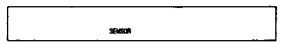
In case of "VIDEO" setting:

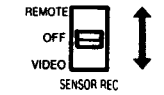
■ The "SENSOR" indicator will appear on the tape counter and the unit will be set to the standby mode. When a video signal is inputted into the VIDEO IN Connector, the unit is turned on and set to the recording mode. When there is no more signal, the unit will go into the stop mode and, after a while, be set to the standby mode again.

In case of "REMOTE" setting:

■ The "SENSOR" indicator will appear on the tape counter and the unit will be set to the standby mode. When a recording start signal is inputted into the SENSOR REMOTE Connector on the rear panel, the unit is turned on and set to the recording mode. When a recording end signal is inputted, the unit will go into the stop mode and, after a while, be set to the standby mode again.

■ The tape position where the SENSOR recording started also becomes the beginning position of the REPEAT playback. Similarly, the tape position where the recording ended becomes the end position of the REPEAT playback, and the repeat mode is automatically set to "REPEAT CONTINUE".



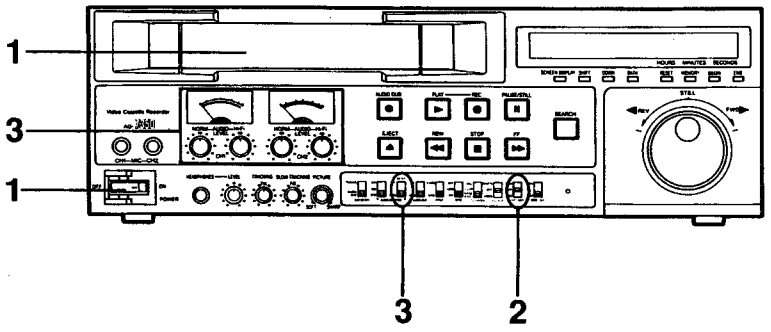


Notes

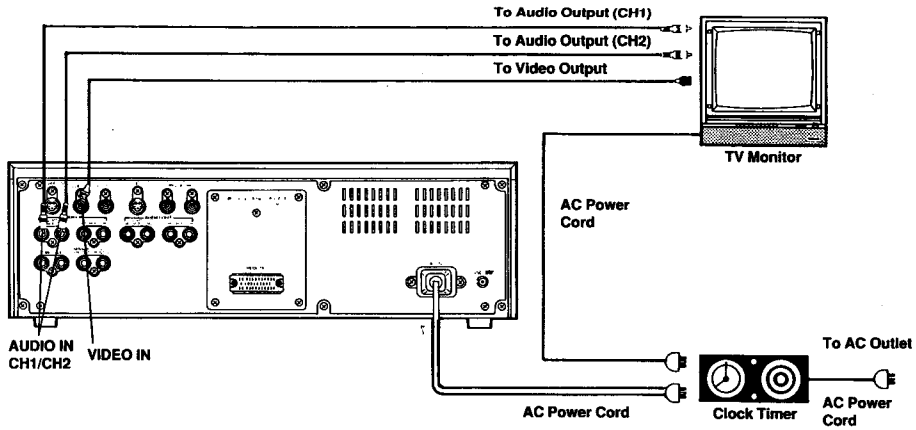
- The "SENSOR" indicator will blink if no video cassette or a video cassette with its erasure prevention tab broken off is inserted in the unit after the SENSOR REC Selector is set "VIDEO" or "REMOTE".
- When the tape reaches its end during the SENSOR recording, the unit is set to the stop mode and turned off.
- Any operation buttons are inoperative after the SENSOR REC Selector is set.

1-7. Timer Recording (AG-7350 only)

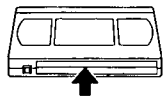
Model AG-7150 is not equipped with recording function.



Connections



1. Turn on the unit and insert a video cassette.



- Make sure that the erasure prevention tab on the video cassette is intact.

2. Set the EXT TIMER Selector to "REC".

3. Adjust the audio recording level.

(Refer page 14.)

4. Set the timer.

[1] Turn on the timer.

[2] Set the timer to the desired ON and OFF time.

- It may take about 1 minute to load the tape on the cylinder inside the unit when the preset ON time comes. Therefore, set the preset ON time at least about 1 minute ahead of the actual start time.
- It is best to set the OFF time so that the unit is turned off about 10 minutes after the tape reaches its end. This will prevent the tape from damage.
  If, for example, NV-E180 tape is used for TIMER recording, the recording time should be preset for about 190 minutes.

- Refer to the operating instructions of the timer you are using for details.

5. When the preset time comes

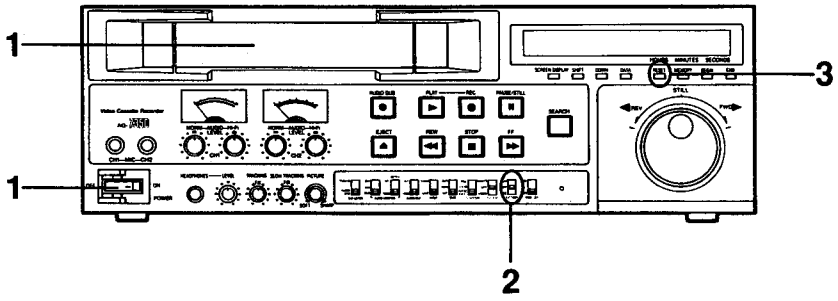
At the preset time ON time, the unit will be turned on automatically to start TIMER recording. At the preset OFF time, the unit will be turned off, but the tape will remain loaded on the cylinder inside the unit.
When the power is resumed, the unit will go into the stop mode and then into the TIMER recording mode.

6. Press the STOP Button to stop TIMER recording halfway.

Notes

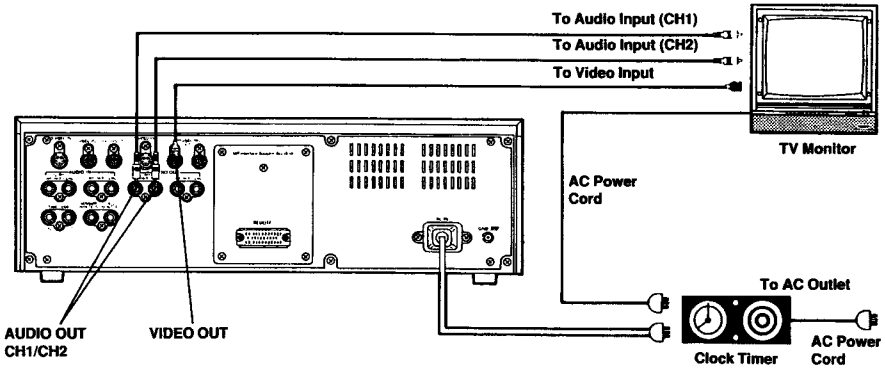
- When the tape reaches its end, the unit will go into the mode set in the ON-SCREEN menu (TAPE END MENU).
- If the power is turned off while the tape is moving during TIMER recording, the tape will remain loaded on the cylinder inside the unit. When the power is resumed, the unit will unload the tape from the cylinder. After a while, the unit goes into the stop mode and then the TIMER recording mode.

1-8. Timer Playback

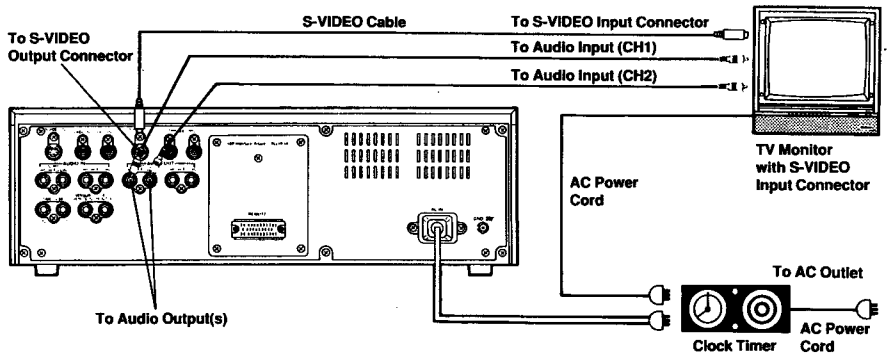


Connections

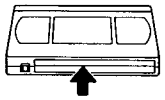
• Connection with video and audio cables



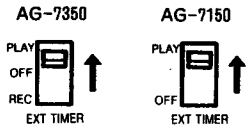
• Connection with S-VIDEO and audio cables



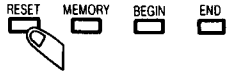
1. Turn on the unit and insert a recorded video cassette.



2. Set the EXT TIMER Selector to "PLAY".



3. Press the RESET Button to reset the tape counter to "0:00:00".



4. Set the timer.

[1] Turn on the timer.

[2] Set the timer to the desired ON and OFF time.

- It is best to set the OFF time so that the unit is turned off about 10 minutes after the tape reaches its end. This will prevent the tape from damage. If, for example, NV-E180 tape is used for TIMER playback, the playback time should be preset for about 190 minutes.

■ Refer to the operating instructions of the timer you are using for details.

5. When preset time comes

At the preset ON time, the unit will be turned on automatically to start playback. At the preset OFF time, the unit will be turned off, but the tape will remain loaded on the cylinder inside the unit.

■ When the repeat function is set, the unit will rewind and then resume the repeat playback.

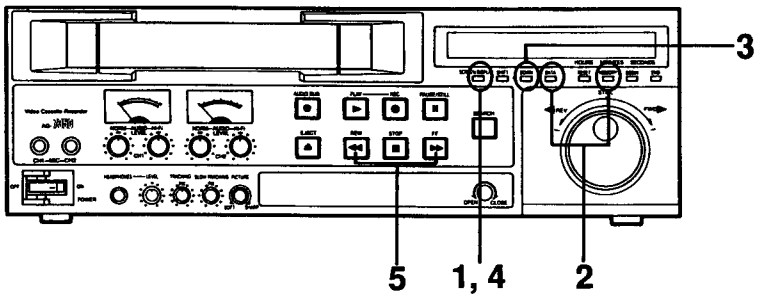
6. Press the STOP Button to stop TIMER playback halfway.

Notes

■ When the tape reaches its end, the unit will go into the mode set in the ON-SCREEN (initial setting) menu. However, during repeat mode, the tape will be automatically rewound.

■ If the power is turned off while the tape is moving during TIMER playback, the tape will remain loaded on the cylinder inside the unit. When the power is resumed, the unit will unload the tape from the cylinder. After a while, the unit goes into the stop mode and then the TIMER playback mode.

1-9. Repeat Playback

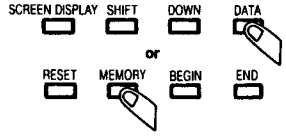


1. Press the SCREEN DISPLAY Button.

■ The ON-SCREEN menu will be displayed on the TV monitor.

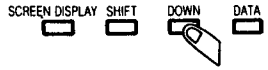
2. Press the DATA or MEMORY Button.

■ Select the repeating mode (one-time or continuous repeated playback mode).
The " ⇄ " or " ↻ " mark will appear on the tape counter.



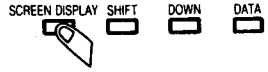
3. Press the DOWN Button.

■ Press the SHIFT and DATA Buttons to locate the beginning and end points of section you wish to perform REPEAT playback.



4. Press the SCREEN DISPLAY Button.

■ The normal screen will appear.



5. Press the FF or REW Button.

■ When the tape reaches the beginning BGN points, REPEAT playback will start automatically.

Notes

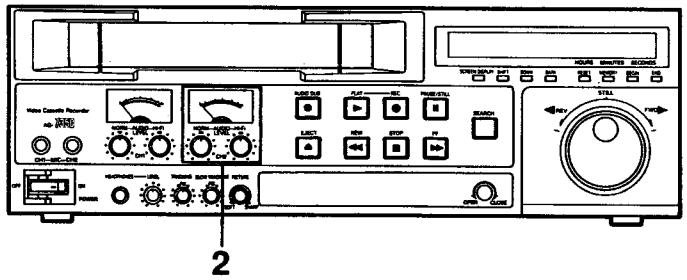
■ When same data is input for BGN and END, repeat playback is performed from the tape beginning to the end.

■ When the data for END has exceeded the tape end, repeat palyback is performed from the BGN position to the tape end.

■ When the data for BGN is smaller than the tape beginning, repeat playback is performed from the tape beginning to the END position.

1-10. Time Code

The SMPTE time code signal recorded onto the tape by using a time code generator/reader permits absolute addressing (the identification of storage locations by actual addresses). The time code signal will be recorded on audio CH2 track.



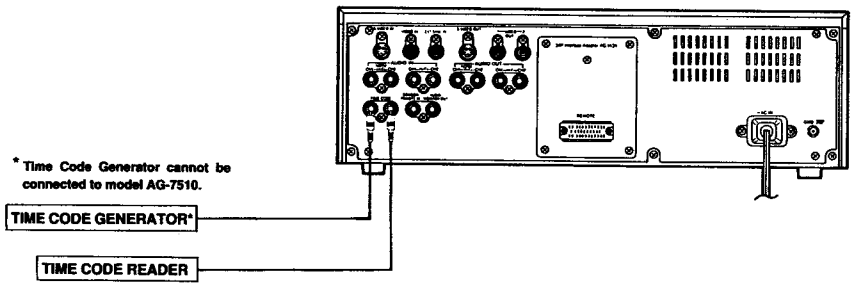
1. Set the selectors.

CH2 METER Selector → "CH2" (AG-7350 only) (Refer to page 11.)
AUDIO CH2 (ON-SCREEN) → "TIME CODE" (Refer to pages 38 to 40.)

2. When the time code signal has been entered. (AG-7350 only)

■ The AUDIO CH2 LEVEL meter indicates near 0.
■ Time code signals are recorded during recording and dubbing (including audio dubbing on channel 2).
Refer to the operating instructions of the SMPTE time code generator/reader you are using for details.

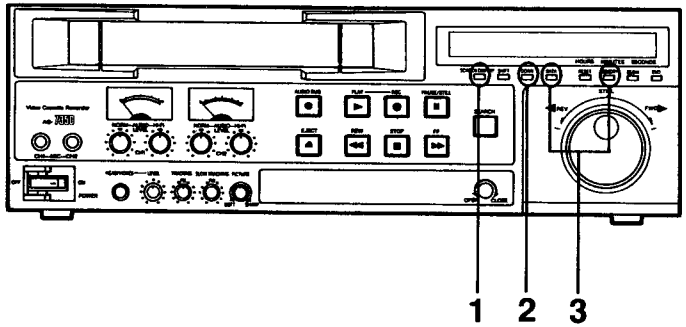
Connections

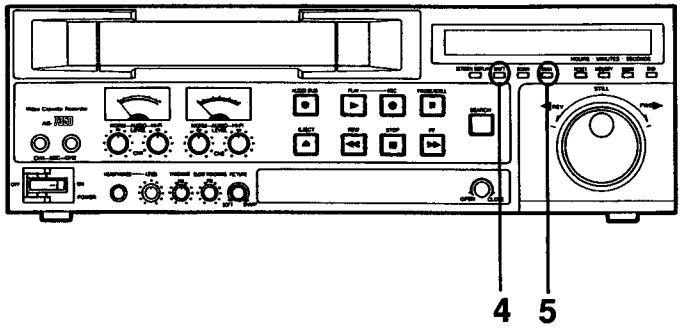


Note

■ The unit's tape counter does not count the time code signals, but the control (CTL) signals recorded onto the tape. Connect the time code generator/reader to the unit to read the addresses of the time code signal.

1-11. ON-SCREEN (Memory Setting)



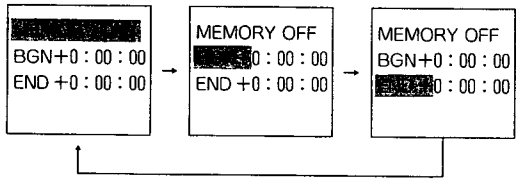


1. Press the SCREEN DISPLAY Button.

■ The unit goes into the ON-SCREEN mode and the MEMORY setting menu will display on the screen.

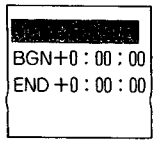
2. Press the DOWN Button.

■ The "MEMORY" indication line will flash. Each time the DOWN Button is pressed, the flashing indication will be shifted to "BGN" → "END" → "MEMORY" line.

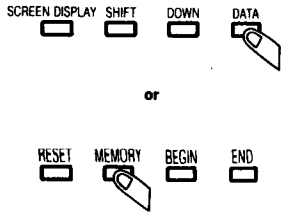


3. Press the DATA or MEMORY Button.

■ Select the desired mode while the "MEMORY" indication line is highlighted.



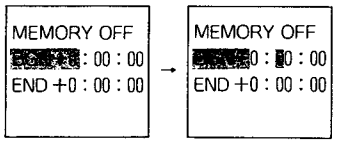
"MEMORY OFF" (No indication) → "MEMORY STOP" (⇥000) → "REPEAT 1 TIME" (⊃) → "REPEAT CONTINUE" (↻)



4. Press the SHIFT Button.

The digit to be set will move. The digit is flashing during selection of the desired numeric.

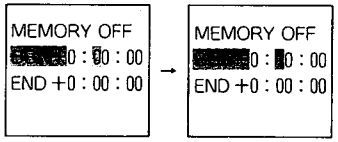
■ This step is activated while "BGN" or "END" is highlighted.

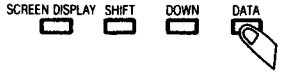


5. Press the DATA Button.

Set the desired numeric and select "+" or "–".

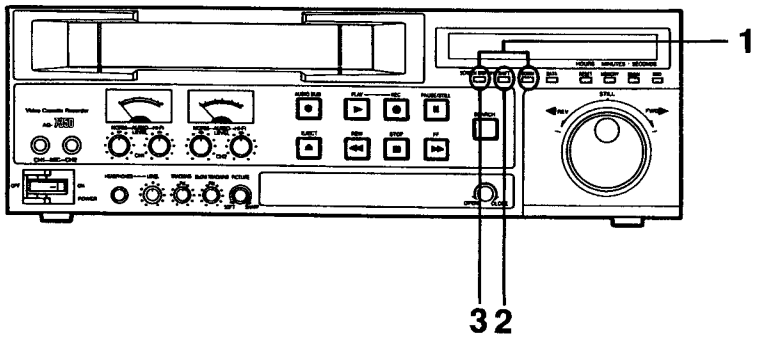
■ This step is activated while "BGN" or "END" is highlighted.





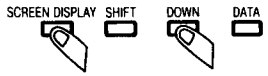
Superimpose display	Description of function
MEMORY OFF	Counter memory is off.
MEMORY STOP	The tape stops at the counter position "0:00:00".
REPEAT 1TIME	Performs one-time REPEAT playback.
REPEAT CONTINUE	Performs continuous REPEAT playback.
BGN	Beginning point of REPEAT playback.
END	End point of REPEAT playback.

1-12. ON-SCREEN (Initial Setting)



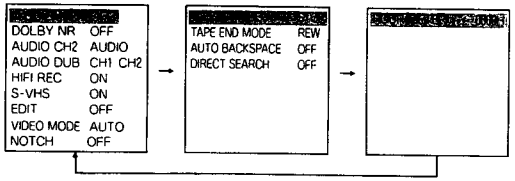
1. Press the DOWN and SCREEN DISPLAY Buttons together.

■ The unit goes into the ON-SCREEN mode and the initial setting menu will display on the screen.



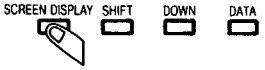
2. Press the SHIFT Button.

■ Each time the SHIFT Button is pressed, the screen will be changed as follows.



3. Press the SCREEN DISPLAY Button after setting is finished.

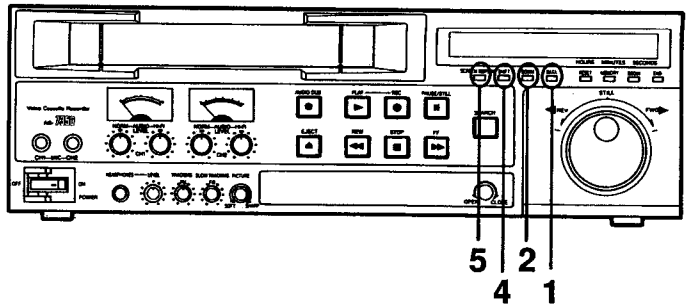
■ Normal screen will appear.



Note

■ If the SCREEN DISPLAY Button is pressed in the initial setting mode, the screen will return to normal.

■ How to set each initial setting item



1. Press the DATA Button.

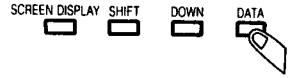
■ Select "ON" or "OFF"

AG-7350

AUDIO LIMITER	OFF
DOLBY NR	OFF
AUDIO CH2	AUDIO
AUDIO DUB	CH1.CH2
HIFI REC	ON
S-VHS	ON
EDIT	OFF
VIDEO MODE	AUTO
NOTCH	OFF

AG-7150

DOLBY NR	OFF
AUDIO CH2	AUDIO
EDIT	OFF
VIDEO MODE	AUTO



2. Press the DOWN Button.

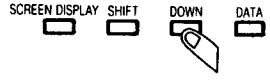
■ The next item will flash.

AG-7350

AUDIO LIMITER	ON
DOLBY NR	OFF
AUDIO CH2	AUDIO
AUDIO DUB	CH1.CH2

AG-7150

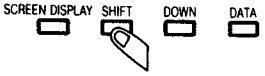
DOLBY NR	ON
AUDIO CH2	AUDIO
EDIT	OFF
VIDEO MODE	AUTO



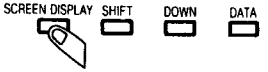
3. Repeat steps 1 and 2 to set each item to the desired mode.

4. Press the SHIFT Button to shift the screen to the next menu.

■ Repeat steps 1 and 2 to set each item mode.



5. Press the SCREEN DISPLAY Button after setting is finished to return to the normal screen.



■ Contents of each initial setting item

DATA Button: To select operation mode
DOWN Button: To move to the next item
SHIFT Button: To shift to next menu screen

Superimpose	Description of function	Initial mode
AUDIO LIMITER (AG-7350 only)	Sets the AUTO LIMITER function ON or OFF. **ON:** Permits audio recording with less distortion at peak levels with the aid of the automatic volume control circuit. (This function is activated when normal audio recording is performed.) **OFF:** Permits maximum dynamic range to be recorded, but the level must be set low enough so that peaks do not cause objectionable distortion.	OFF
DOLBY NR	Sets the DOLBY NR function ON or OFF. **ON:** Dolby NR system is activated. **OFF:** Dolby NR system is not activated. ■ DOLBY Noise Reduction System PLAY / REC: **ON** — Normal sound with less noise.; **OFF** — Treble is emphasized. REC **OFF** — Treble is attenuated.; Normal sound *DOLBY NR system is activated when normal audio is reproduced.	OFF
AUDIO CH2	Selects the signal to be recorded or played back on audio channel 2. **AUDIO:** Audio signal is recorded/played back. **TIME CODE:** Time code signal is recorded/played back. (Sound track of channel 2 will be muted.)	AUDIO
AUDIO DUB (AG-7350 only)	Selects the audio track CH1 or CH2 for audio dubbing. **CH1:** Audio is recorded on channel 1. **CH1, CH2:** Audio is recorded on both channels 1 and 2. **CH2:** Audio is recorded on channel 2.	CH1, CH2
HIFI REC (AG-7350 only)	Sets the Hi-Fi audio recording. **ON:** Hi-Fi audio is recorded. **OFF:** Hi-Fi audio is not recorded.	ON
S-VHS (AG-7350 only)	Sets the recording mode. **ON:** Distinguishes between the VHS and S-VHS tapes and determines the recording mode. **OFF:** VHS recording is performed.	ON
EDIT	Sets the editing mode. **ON:** To edit or duplicate tapes (dubbing) **OFF:** For normal operation	OFF
VIDEO MODE	Selects the colour mode of video input signal. **COLOUR:** Forcibly colour mode **AUTO:** Automatically distinguishes between black & white and colour video input signals. Forcibly black & white mode	AUTO
NOTCH	Selects whether to reduce noise or not. **ON:** When noise appears during composite input. **OFF:** When noise do not appear during composite input.	OFF

DATA Button: To select operation mode
DOWN Button: To select to the next item
SHIFT Button: To shift to next menu screen

Superimpose	Description of function	Initial mode
TAPE IN MODE	Selects the VTR function mode after a video cassette is inserted. **STOP:** The unit goes into the STOP mode. **REW:** Rewinds the tape automatically. **PAUSE:** The unit goes into the PAUSE/STILL mode. **PLAY:** Playback will start automatically.	STOP
TAPE END MODE	Selects the VTR function mode when the tape reaches its end. **REW:** Rewinds the tape automatically. **STOP:** The unit goes into the STOP mode. **EJECT:** The video cassette will be ejected. **REW→EJECT:** Ejects the video cassette after rewinding the tape automatically.	REW
AUTO BACKSPACE (AG-7350 only)	Sets the Auto Backspace function ON and OFF. **ON:** The unit rewinds the tape for about 1 second and goes into the PAUSE mode when the REC Button is pressed during the PAUSE/STILL mode or the PAUSE/STILL Button is pressed during recording. Then when the PAUSE/STILL Button is pressed, the unit playbacks the tape for about a second and goes into the recording mode. **OFF:** For normal PAUSE/STILL operation	OFF
DIRECT SEARCH	Sets the Direct Search function ON and OFF. **ON:** Allows to operate the SEARCH Dial directly without having to press the SEARCH Button. **OFF:** For normal SEARCH operation	OFF
HOUR METER	Displays the total of the cylinder driving time.	0000H

1-13. Error Displays

The following error messages will be displayed on the tape counter if an abnormality occurs in the unit. In this case, follow instructions described below.

Error display	Problem	Remedy
d	Condensation (dew) forms inside the unit.	Wait until "d" goes out with the power on. (Refer to "In case of dew detection".)
E-2	Elevator Lock trouble	Contact your local dealer.
E-3	Loading Lock trouble	Contact your local dealer.
E-4	Cylinder Lock trouble	Contact your local dealer.
E-5	Reel Lock trouble	Contact your local dealer.
E-6	Tension trouble	Contact your local dealer.

Note

- If the error messages except the indication "d" are displayed, turn OFF the unit immediately and disconnect the power cord from the mains to prevent the unit from serious damage before contacting your authorized service personnel.

In case of dew detection

When condensation (dew, so-called sweating) forms inside the unit, the error message "d" will be displayed on the counter and all the operation buttons are made inoperative. Leave the unit on and let it remain at room temperature until "d" disappears. Depending on the surrounding condition, this may take several hours.

Cause of condensation

Condensation forms if warm air comes in contact with a cold object, for example on a window in a well-heated room in winter. It may form if the unit or the video cassette is exposed to sudden changes in temperature and humidity such as may occur when the unit or the video cassette is taken from a cold to a warm place. For instance:

- In a room where the heater has just been turned on in winter;
- In a room with steam or high humidity;
- If the unit or the cassette is brought from cold surroundings into a well-heated room.

Moisture condensation normally occurs gradually. Therefore, there may be cases in which the "d" indicator does not start flashing until 10 or 15 minutes after moisture has begun to condense. In particular, if the temperature or humidity in the room change, wait about 20 minutes before using the unit.

1-14.Troubleshooting

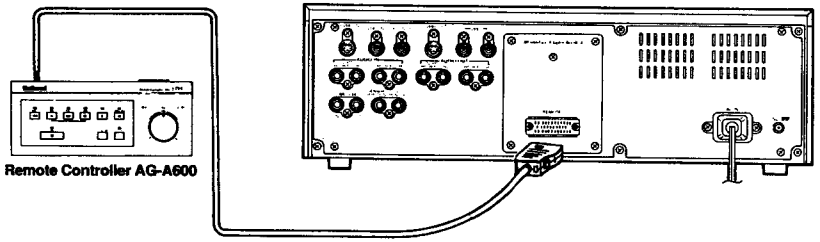
Before requesting service, check the following points once again. If the problem is not solved, contact your local dealer.

Problem	Check points	Page
Operation buttons are inoperative.	■ An error message is displayed on the tape counter. ■ The SENSOR REC Selector is set to "ON". (AG-7350 only) ■ The MODE LOCK Selector is set to "ON".	42 12, 21 12
Recording cannot be performed. (AG-7350 only)	■ The erasure prevention tab on the cassette's rear is broken off. ■ The INPUT Selector is not set correctly.	48 13
RECORD or PLAYBACK mode is engaged after the unit is turned on.	■ The EXT TIMER Selector is set to "ON". ■ The SENSOR REC Selector is set to "ON". (AG-7350 only)	12 12, 21
Playback picture has large amounts of "snow".	■ Video heads are clogged with dirt or abraded.	49
Noise interference in playback picture.	■ Adjust the TRACKING control.	16
Playback picture is not in colour.	■ The video input signal was originally black & white. ■ The "VIDEO MODE" in the ON-SCREEN (initial setting) menu is set to "B/W".	— 40
Counter does not work.	■ CTL (control) signals are not recorded onto the tape.	—
Playback picture is distorted.	■ Adjust horizontal hold control on the TV monitor. ■ Sudden voltage variations occurred during recording. ■ Tape is old and/or defective. ■ The SYNC Selector is not set correctly.	— — — 13

1-15.Controller (Option)

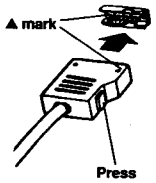
■ **Remote Controller AG-A600**

Connection



The optional Remote Controller AG-A600 allows RECORD, PLAYBACK, FAST FORWARD, REWIND, PAUSE/STILL, VARIABLE SPEED PLAYBACK (0~9 times normal tape speed) in forward or reverse direction and STOP operations. Operation is possible with the unit's operation buttons even when the AG-A600 is connected to the unit.

Connection with the REMOTE Connector



Align the " ▲ " marks and connect it to the REMOTE Connector while keeping the cable connector button pressed.

1-16. Rack Mount Adaptor (Option)

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

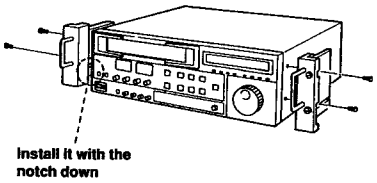
Installation of the AG-M730-E

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 it to the unit.



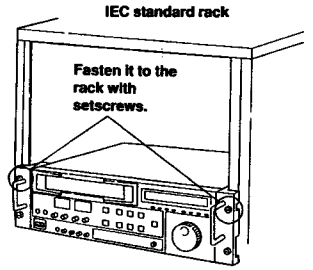
Mounting on the IEC standard rack

1. Remove the 4 rubber legs

from the bottom of the unit.

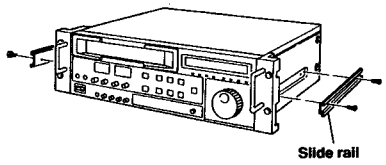
2. Mount the unit on the rack.

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

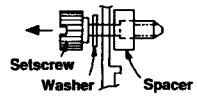


Installation of slide rails

■ Use a complete slide rail and bracket unit for 18" length (part No. CC3004-99-0017) or 24" 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.

1-17. Connector Signals

S-VIDEO IN/OUT Connectors

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

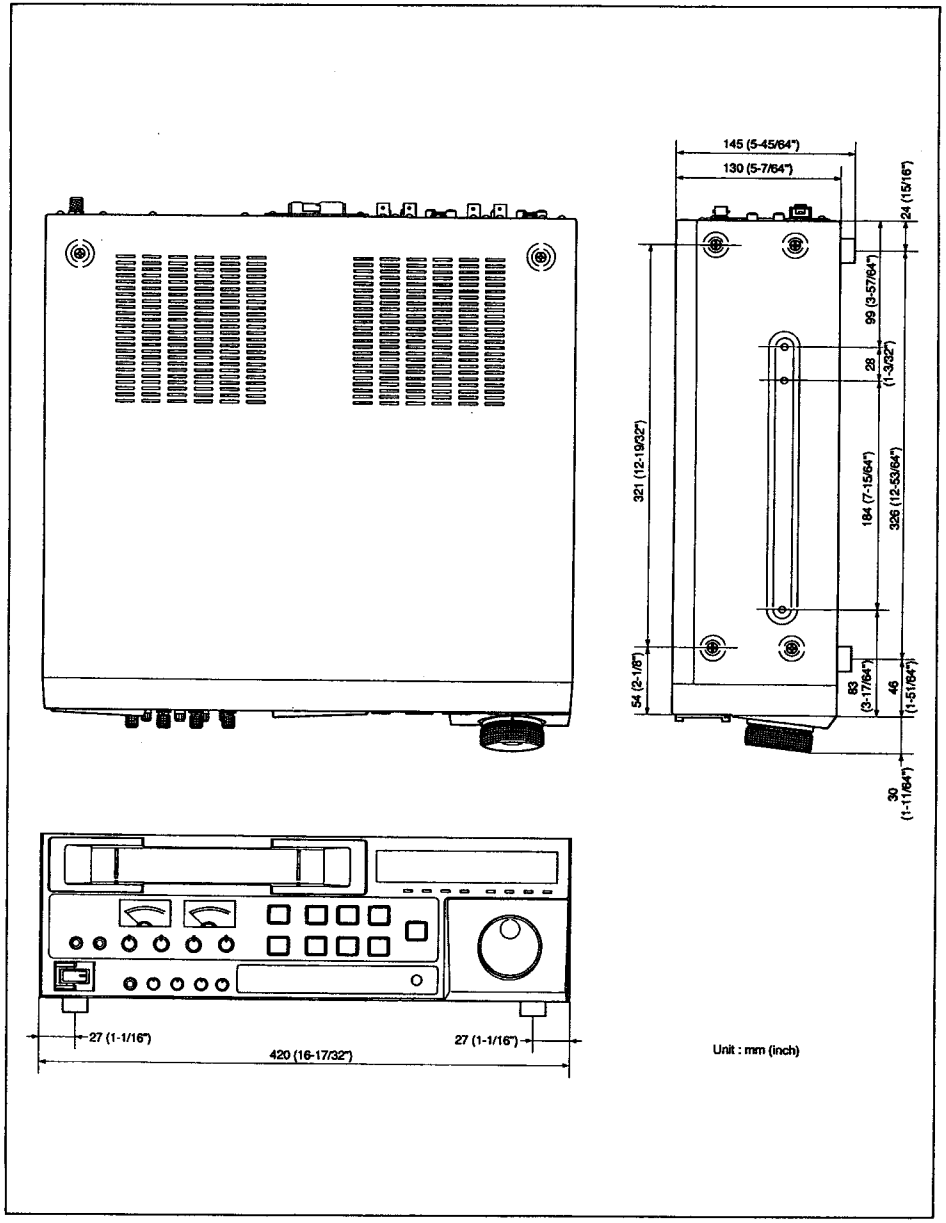
Model AG-7150 is not equipped with S-VIDEO IN Connector.

34P REMOTE Connector

Pin No.	Description of signal
1	REC SWITCH
2	PLAY SWITCH
3	FF SWITCH
4	REW SWITCH
5	STOP SWITCH
6	AUDIO DUB SWITCH
7	PAUSE SWITCH
8	CASSETTE IN
9	AUDIO DUB SWITCH
10	———
11	———
12	GND
13	FRAME ADV. SWITCH
14	REVERSE COUNT
15	———
16	EDIT SWITCH
17	REVERSE
18	CONTROL PULSE OUT
19	REMOTE 19
20	START MARK
21	EJECT SWITCH
22	———
23	REC HOLD
24	PLAY HOLD
25	FF HOLD
26	REW HOLD
27	———
28	AUDIO DUB HOLD
29	PAUSE HOLD
30	REMOTE 30
31	AUDIO DUB HOLD
32	———
33	REMOTE 33
34	+ 12 V

Pin No. 1, 6, 9, 23, 28 and 31 are not used for model AG-7150.

1-18. Dimensions



Section 2

DISASSEMBLY PROCEDURES

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2-1. DISASSEMBLY FLOW CHART

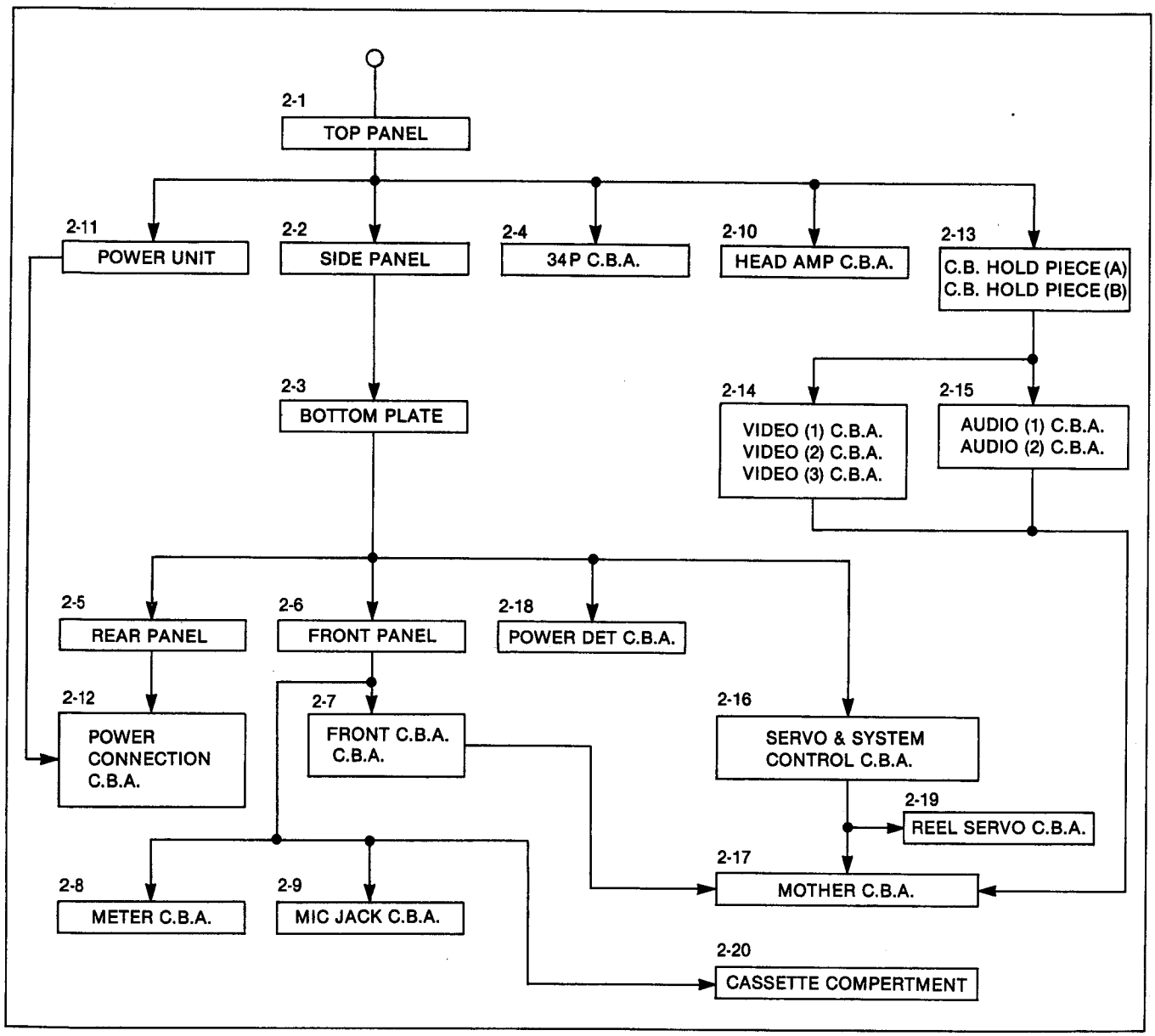


Figure D1

The above flow chart describes the order of steps for removing the cabinet parts and certain printed circuit boards in order to gain access to the items needing servicing. To reassemble the unit, follow the steps in reverse order.

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. Careful lift the rear of the case and side it off the back of the unit.

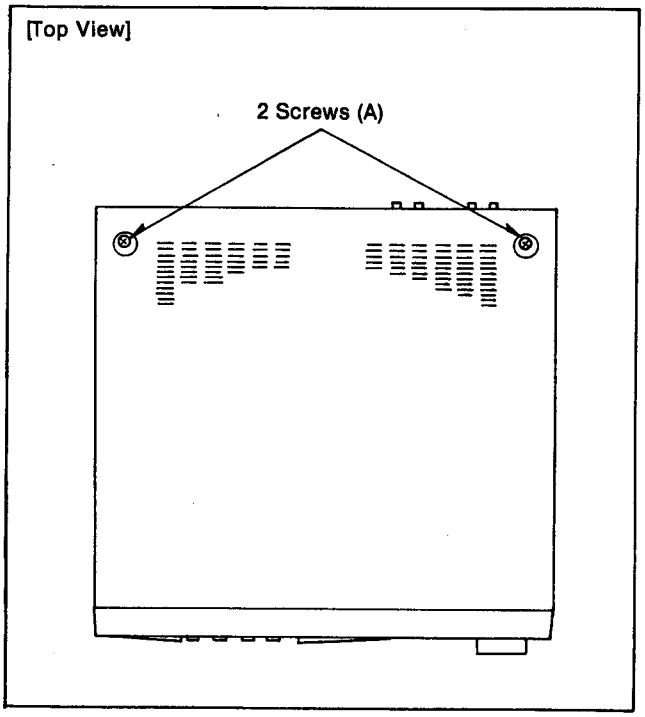


Figure D2

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.

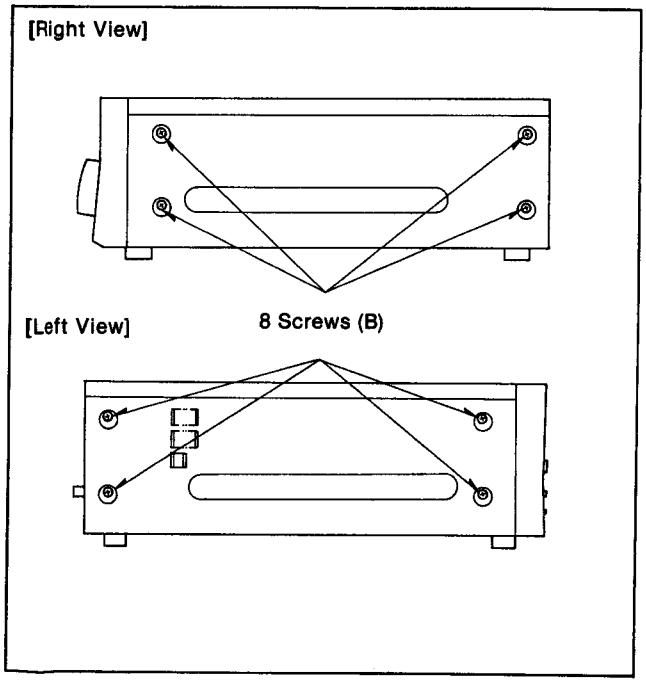


Figure D3

2-2-3. Removal of the Bottom Plate

1. Unscrew the 9 screws (C) on the Bottom Plate (Figure D4).
2. Lift the Bottom Plate.

* Note : Do not remove the 4 rubber feet.

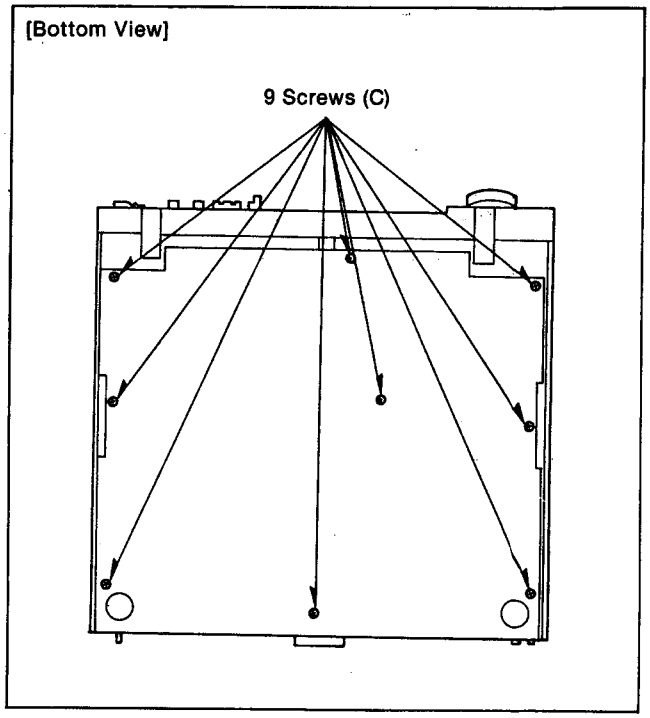


Figure D4

2-2-4. Removal of the 34P C.B.A.

1. Unscrew the 4 screws (D) on the 34P C.B.A. (Figure D5).
2. Careful lift the 34P C.B.A.

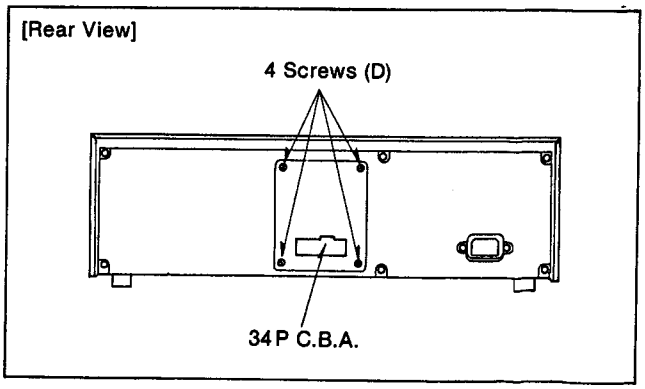


Figure D5

2-2-5. Removal of the Rear Panel with Rear Jack C.B.A.

1. Unscrew the 8 screws (E) on the Rear Panel (Figure D6).
2. Lift the Rear Panel with Rear Jack C.B.A. and carefully pull the panel off the unit.

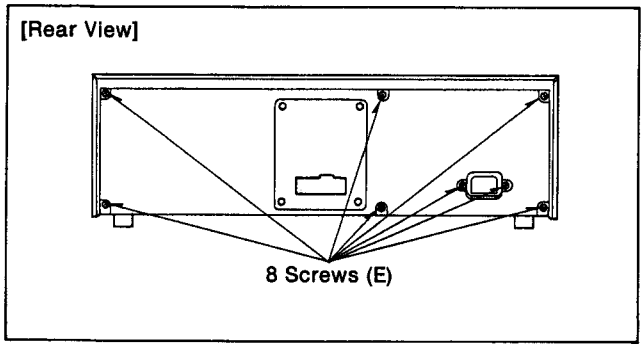


Figure D6

2-2-6. Removal of the Front Panel

1. Pull out the 4 knobs (F) on the Front Panel (Figure D7).
2. Pull out the Jog/Search Dial Knob on the Front Panel (Figure D7).

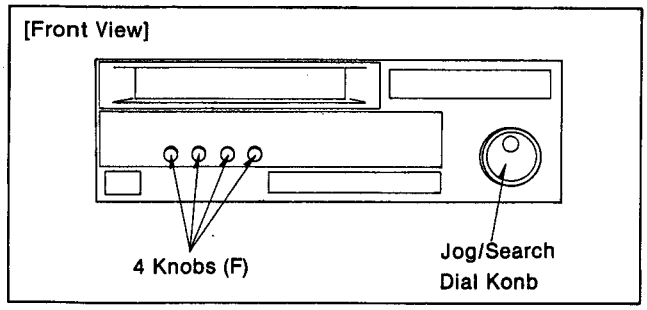


Figure D7

3. Unscrew the 3 screws (G) on the top of the Front Panel (Figure D8).
4. Unlock the 3 locking tabs (H) on the top of the Front Panel and the 2 locking tabs (I) on the bottom of the Front Panel (Figure D8 and Figure D9).

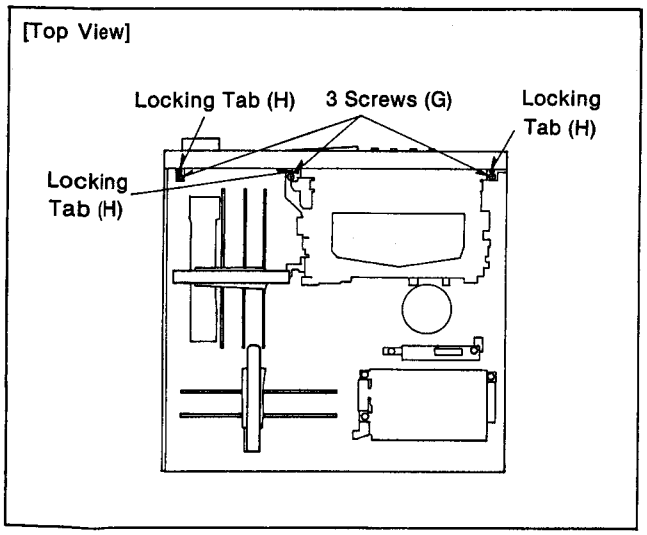


Figure D8

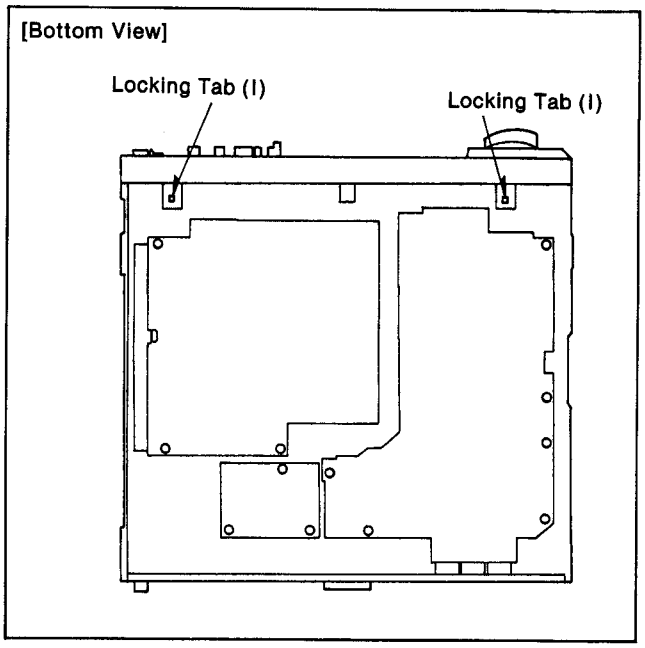


Figure D9

2-2-7. Removal of the Front C.B.A.

1. Unscrew the 4 screws (J) on the Search Dial Unit and pull out the connector P6207 (Figure D10).
2. Lift the Search Dial Unit.

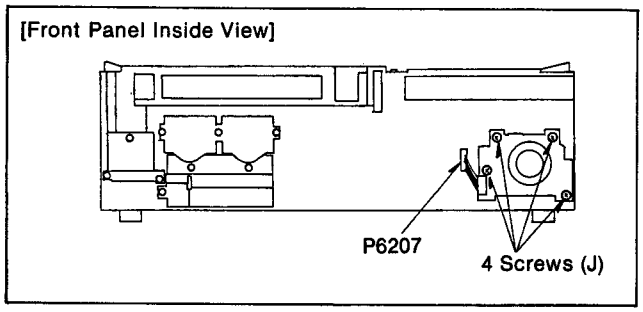


Figure D10

3. Unscrew a screw (K) on the Front C.B.A. (Figure D11).
4. Unlock the 3 locking tabs (L) on the Front C.B.A. and carefully lift the Front C.B.A.(Figure D11).

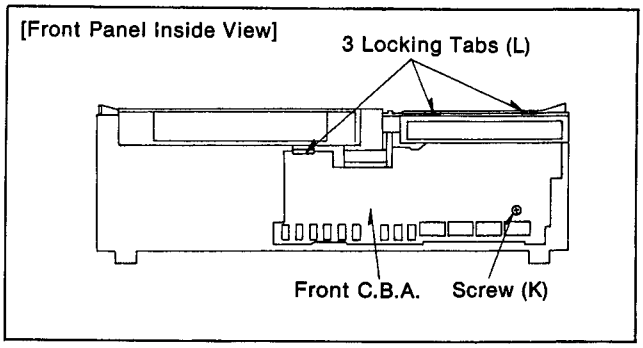


Figure D11

2-2-8. Removal of the Audio Meter Unit

1. Unscrew the 6 screws (M) on the Audio Meter Unit (Figure D12).
2. Lift the Audio Meter Unit.

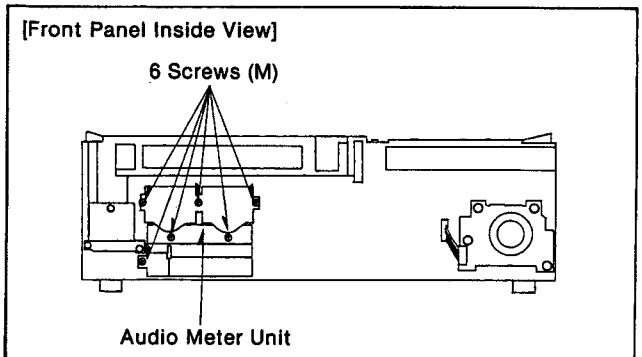


Figure D12

2-2-9. Removal of the Mic Jack Unit

1. Unscrew the 3 screws (N) on the Mic Jack Unit (Figure D13).
2. Lift the Mic Jack Unit.

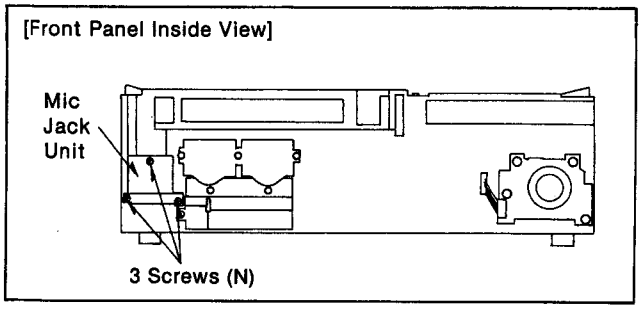


Figure D13

2-2-10. Removal of the Head Amp C.B.A.

1. Unscrew the 2 screws (O) on the Head Amp C.B.A. (Figure D14).
2. Pull out the Head Amp C.B.A.

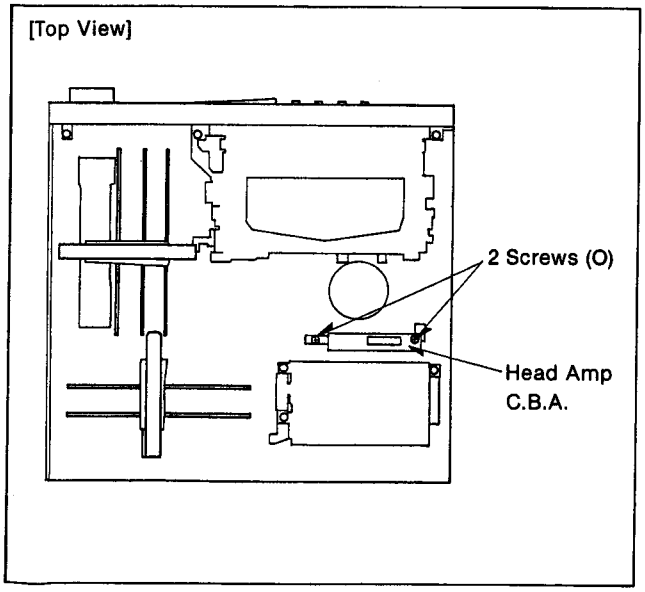


Figure D14

2-2-11. Removal of the Power Unit

1. Unscrew the 3 screws (P) on the Power Unit (Figure D15).
2. Pull out the Power Unit.

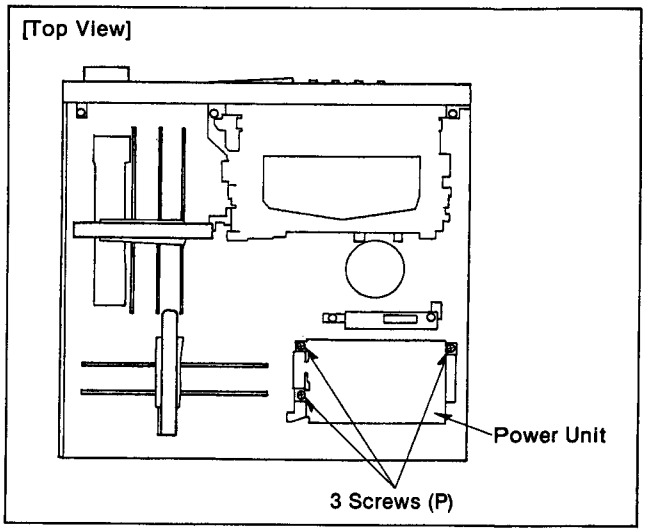


Figure D15

2-2-12. Removal of the Power Connection C.B.A.

1. Unscrew the 2 screws (Q) on the Rear Panel (Figure D16).

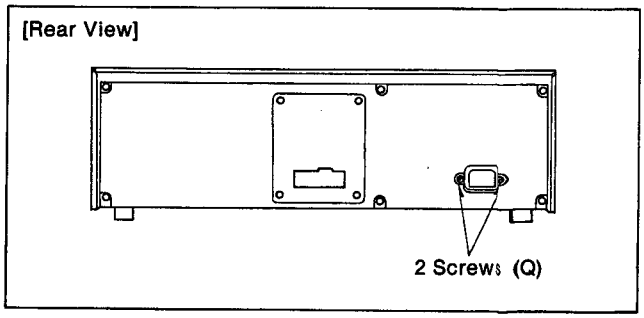


Figure D16

2. Unscrew the 4 screws (R) on the Power Connection C.B.A. (Figure D17).
3. Carefully lift the Power Connection C.B.A.

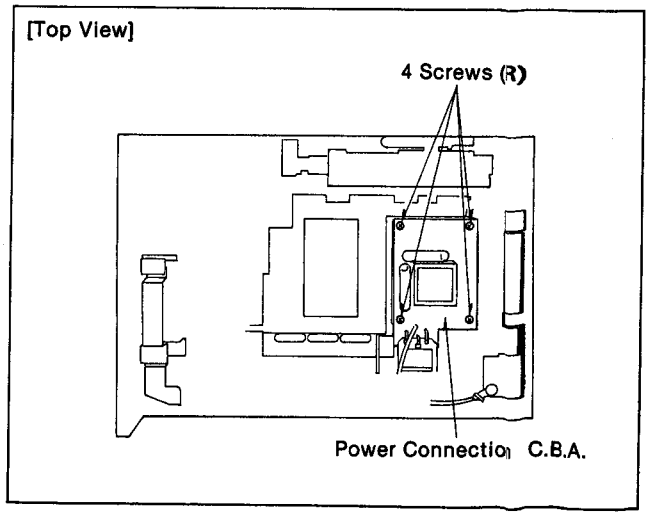


Figure D17

2-2-13. Opening of the C.B.Hold Piece (A) and (B)

1. Open the C.B. Hold Piece (A) and (B) from unit by minus driver or the same (Figure D18 and Figure D19).

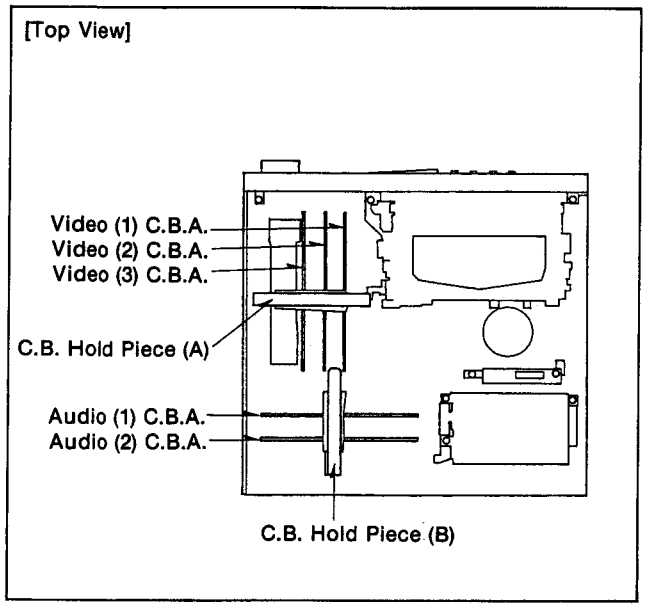


Figure D18

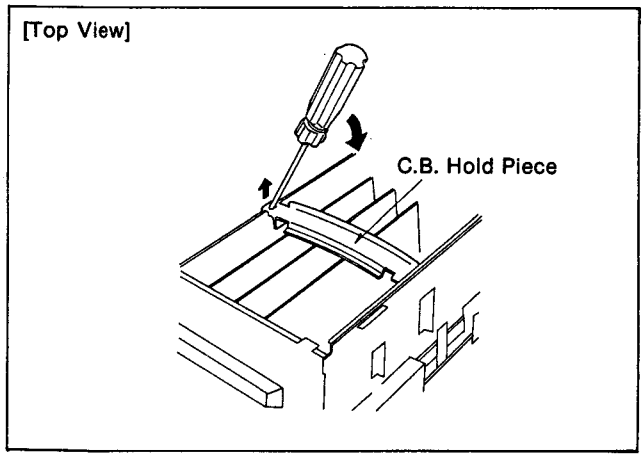


Figure D19

2-2-14. Removal of the Video (1) C.B.A., Video (2) C.B.A. and Video (3) C.B.A.

1. Open the C.B. Hold Piece (A) as shown in Figure D18.
2. Carefully pull out the Video (1) C.B.A., Video (2) C.B.A. and Video (3) C.B.A. from Mother C.B.A.

2-2-15. Removal of the Audio (1) C.B.A. and Audio (2) C.B.A.

1. Open the C.B. Hold Piece (B) as shown in Figure D18.
2. Carefully pull out the Audio (1) C.B.A. and Audio (2) C.B.A. from Mother C.B.A.

2-2-16. Opening of the Servo & System Control C.B.A.

1. Unscrew the 3 screws (S) on the Servo & System Control C.B.A. and open the Servo & System Control C.B.A. by unlock a locking tab (T)(Figure D20 and Figure D21).
2. Remove the flatcables (P6001, P6002 and P6003)(Figure D21).

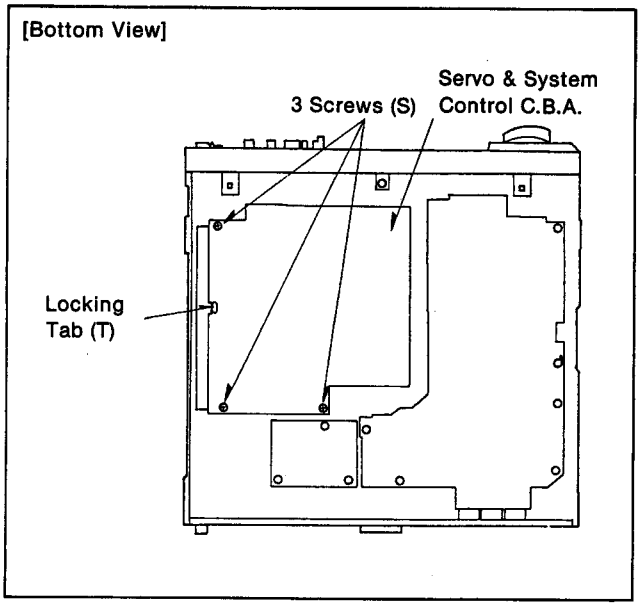


Figure D20

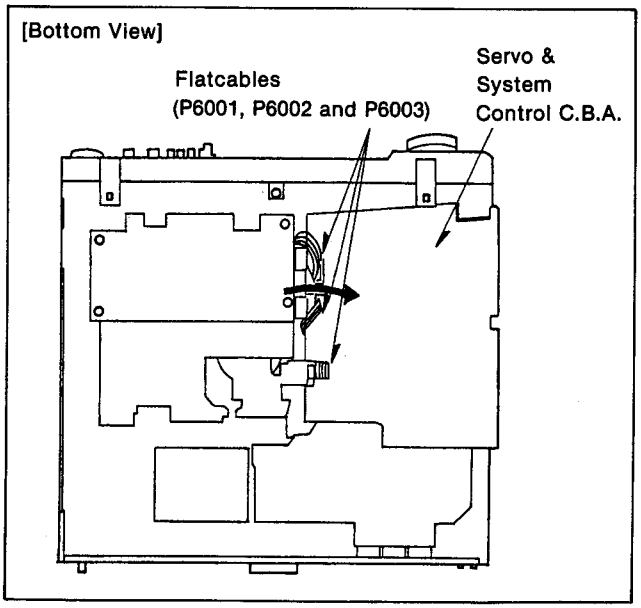


Figure D21

2-2-17. Removal of the Mother C.B.A.

NOTE : Before removing the Mother C.B.A., be sure to remove the Front C.B.A., Rear Jack C.B.A. Video (1) C.B.A., Video (2) C.B.A., Video (3) C.B.A., Audio (1) C.B.A. and Audio (2) C.B.A.

1. Unscrew the 8 screws (U) on the Mother C.B.A. (Figure D22).
2. Lift the Mother C.B.A.

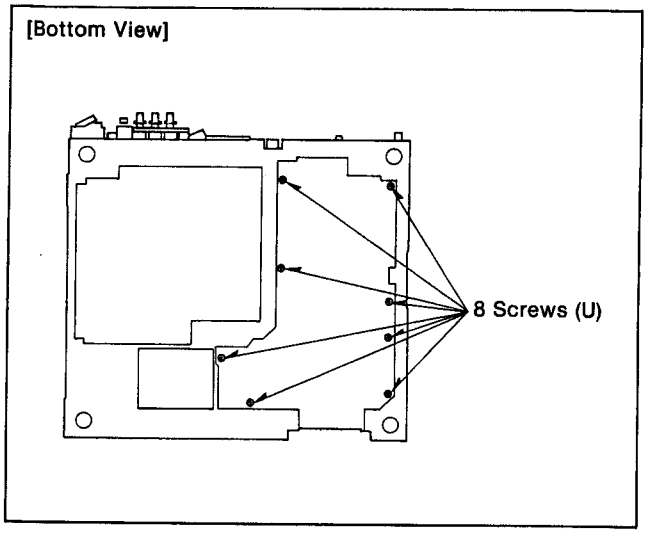


Figure D22

2-2-18. Removal of the Power Detection C.B.A.

1. Unscrew the 3 screws (V) on the Power Detection C.B.A. (Figure D23).
2. Unlock a locking tab (W) on the Power Detection C.B.A. and lift the Power Detection C.B.A. (Figure D23).

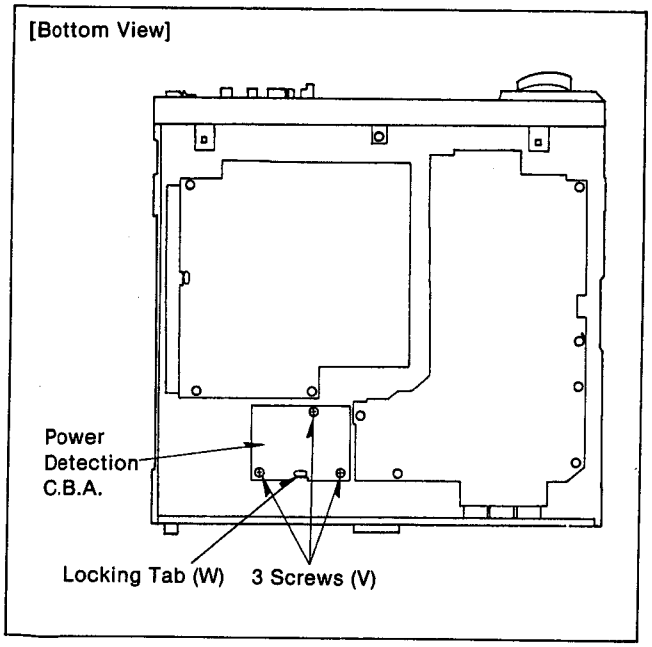


Figure D23

2-2-19. Removal of the Reel Servo C.B.A.

1. Unscrew the 4 screws (X) on the Reel Servo C.B.A. (Figure D24).
2. Lift the Reel Servo C.B.A.

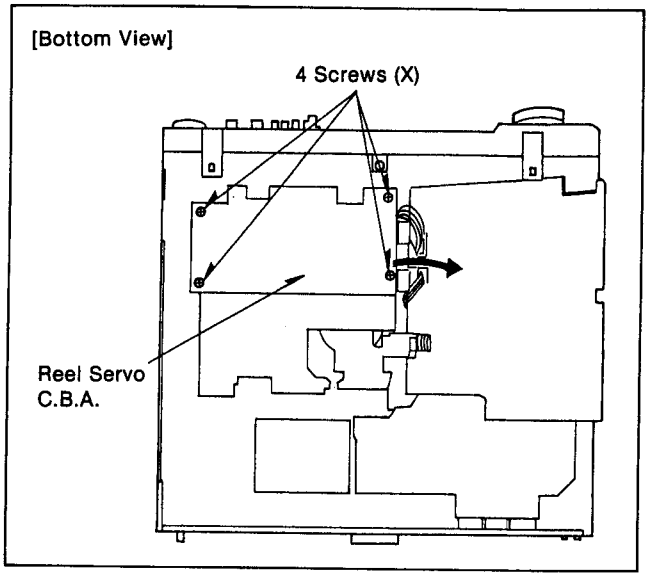


Figure D24

2-2-20. Removal of the Cassette Compartment Unit

1. Unscrew the 2 screws (Y-1) and a screw (Y-2)(Figure D25).
2. Disconnect 2 wires and 4 wires from P1508 on the right side of the Cassette Compartment Unit (Figure D25).
3. Remove the Top Plate.

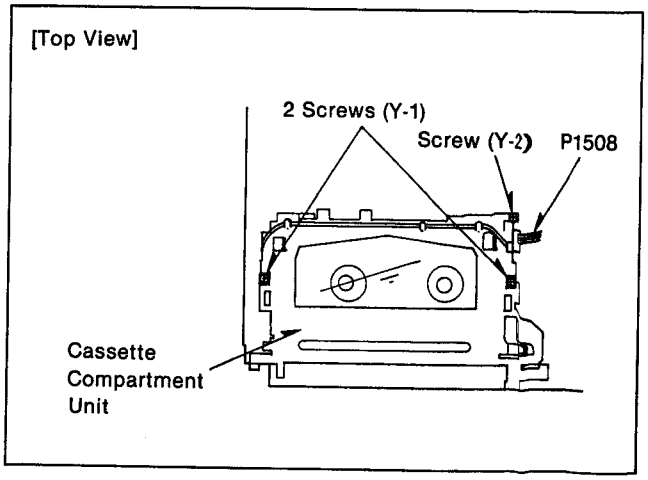


Figure D25

4. Remove a cassette holder unit.

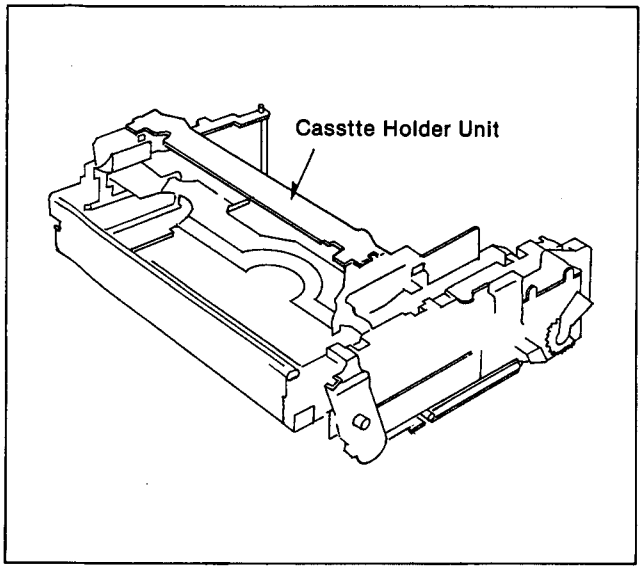


Figure D26

5. Unscrew the 4 screws (Z) and remove the Cassette Compartment Unit.

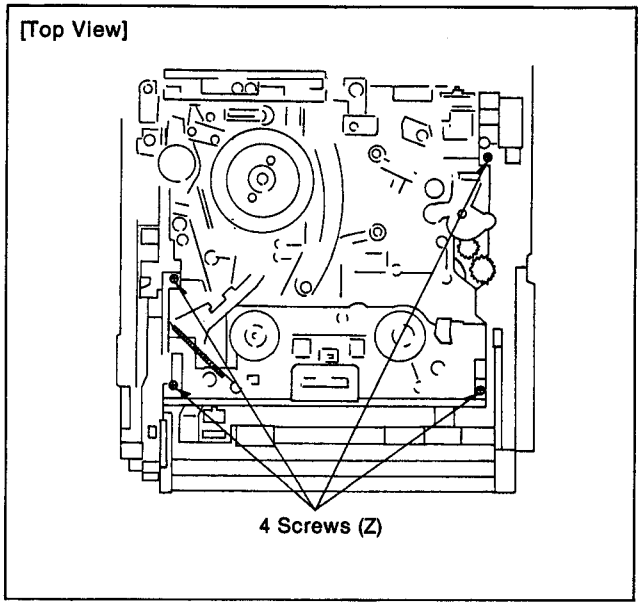
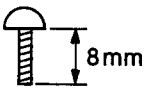
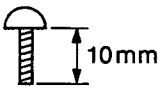
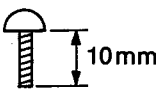
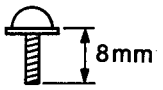
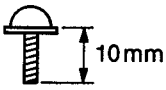
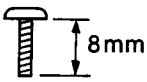
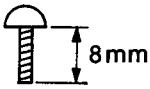
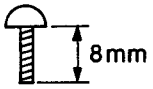


Figure D27

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

SCREWS

(A) VHD0222	(B) VHD0426	(C) VHD0059	(D),(E),(Q)  XTV3+8FFZ(BLACK)	(G),(M),(N),(P),(S),(U),(V),(X)  XTV3+10JFR(RED)
(J),(K)  XTV4+10JFR (RED)	(O)  XTW3+8LR (RED)	(R)  XTW3+10JFR (RED)	(Y-1)  XTV3+8FB	(Y-2)  XTV26+8G (RED)
(Z)  XTV26+8FR (RED)				

Section 3

MAINTENANCE

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3-1. REGULAR MAINTENANCE

The purpose of periodic maintenance is to preserve the functioning of this machine throughout it's 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 piece of equipment. It contains many belts, rollers, heads etc., which become worn, and deteriorate 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, to poor environmental conditions may adversely affect the life-span 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.
Please note that the recommended maintenance schedule depends on temperature and humidity.

3-2. 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 Transporters	●	●	●	●	●	●	●	●	●	●	1-7	Loading Motor U								◎		
1-19	A/C Head (1) U.	●	●	●	●	●	●	●	◎	●	●	1-48	Inclind Base (S) (2) U								■		
1-56	FE Head (AG-7350 ONLY)	●	●	●	●	●	●	●	◎	●	●	1-45	Inclind Base (T) (1) U								■		
1-41	Upper Cylinder U	●	◎	●	◎	●	◎	●	◎	●	◎	1-51	Head Cleaning U		◎		◎		◎		◎		◎
1-42	Lower Cylinder U	●	●	●	●	●	◎	●	●	●	●	1-36	Mode SW								◎		
2-28	Capstan Rotor U (Shaft)	●	●	●	●	●	●	●	●	●	●	2-7	Reel Motor U								◎		
1-25	Pressure Rooler U	●	●	●	◎	●	●	●	◎	●	●	2-39	Loading Cam Gear				×				×		
2-16	Main Brake (S) U				◎				◎			2-33	Main Cam Gear								■		
2-18	Main Brake (T) U				◎				◎			2-1	Worm Shaft								■		
2-2	Loading Belt				◎				◎			2-3	Worm Wheel								■		
1-13	Phinch Solenoid										◎												

*** 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	———	———
■	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.

3-3. PARTS LOCATION

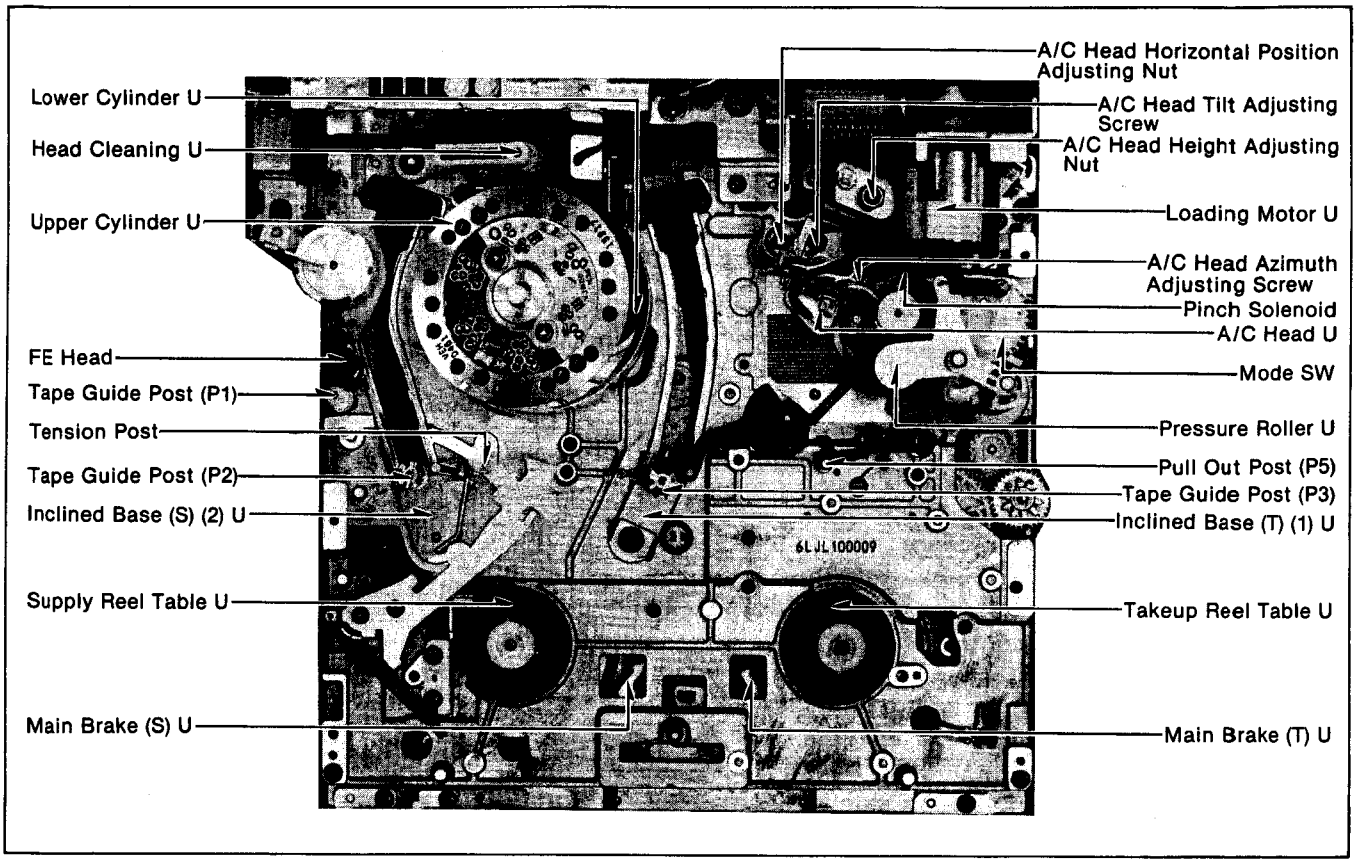


Figure M1 Top View

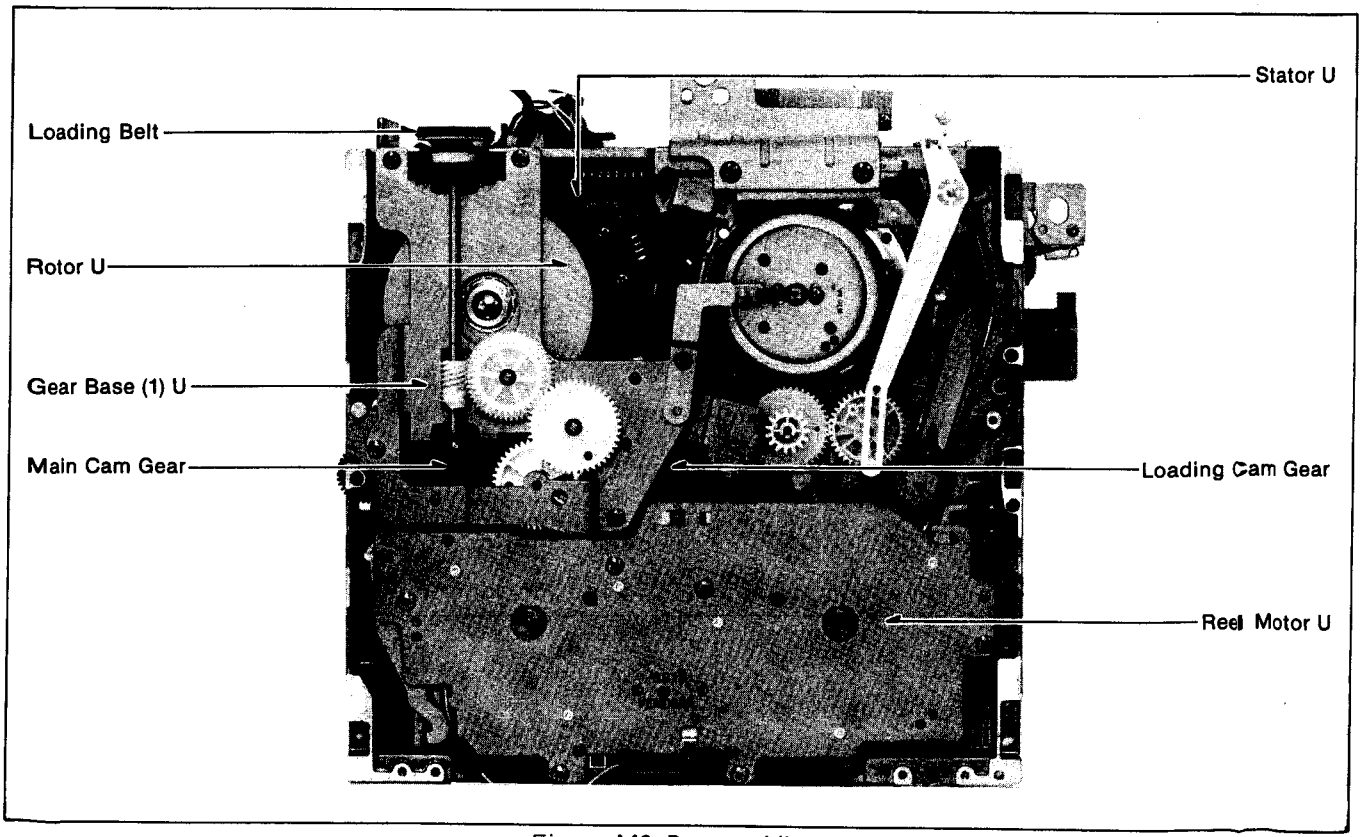


Figure M2 Bottom View

3-4. MAINTENANCE PROCEDURES

3-4-1. HOW TO EJECT MANUALY

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. Rotate the Wormshaft to clockwise until cassette is ejected.

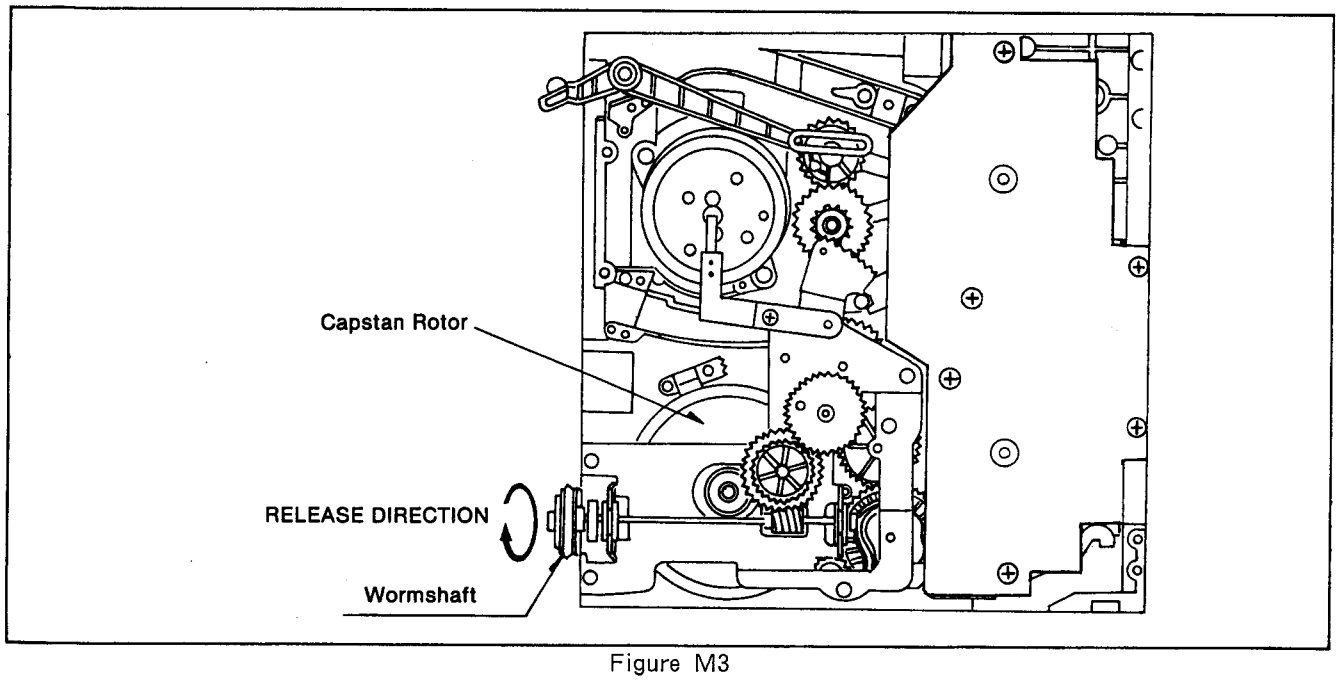


Figure M3

3-4-2. CYLINDER MAINTENANCE PROCEDURES

A. 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 Liquid.
3. Repeat for the other video heads. (Figure M4)

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

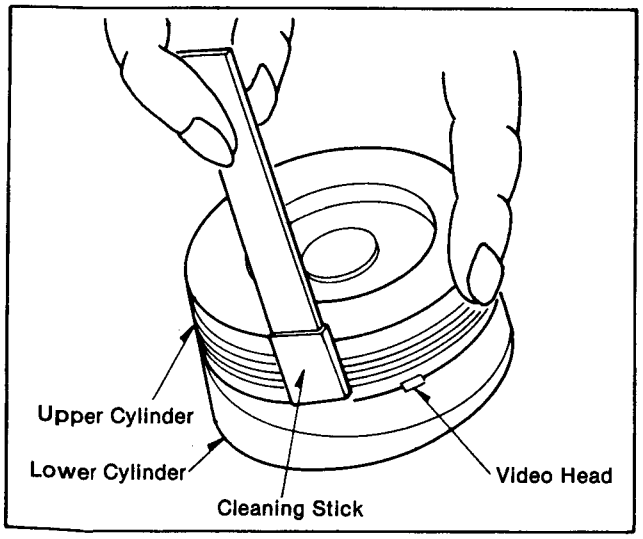


Figure M4

B. Replacement of the Upper Cylinder Unit

1. First remove two screws as shown in Figure M5. Then unsolder 16 (Figure M6) of the soldered portions indicated by arrows on the Upper Cylinder, and finally remove the Upper Cylinder.

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

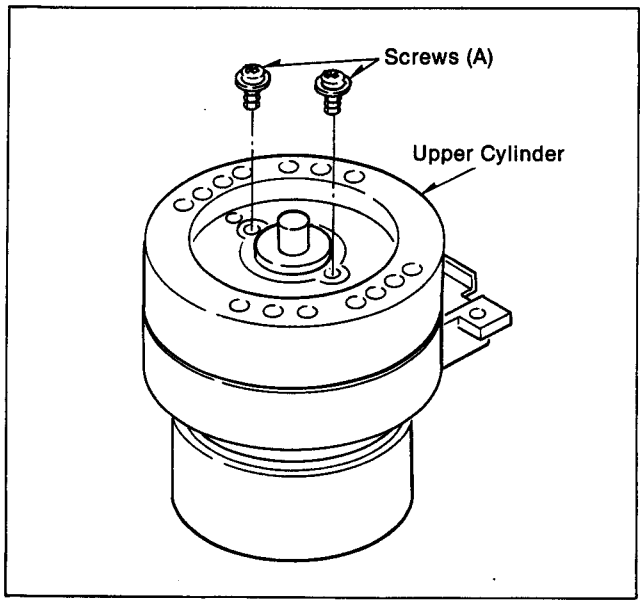


Figure M5

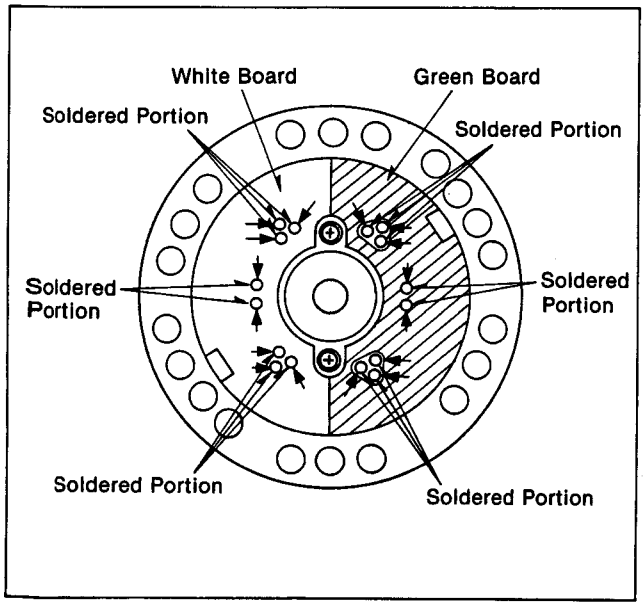


Figure M6

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 M7.

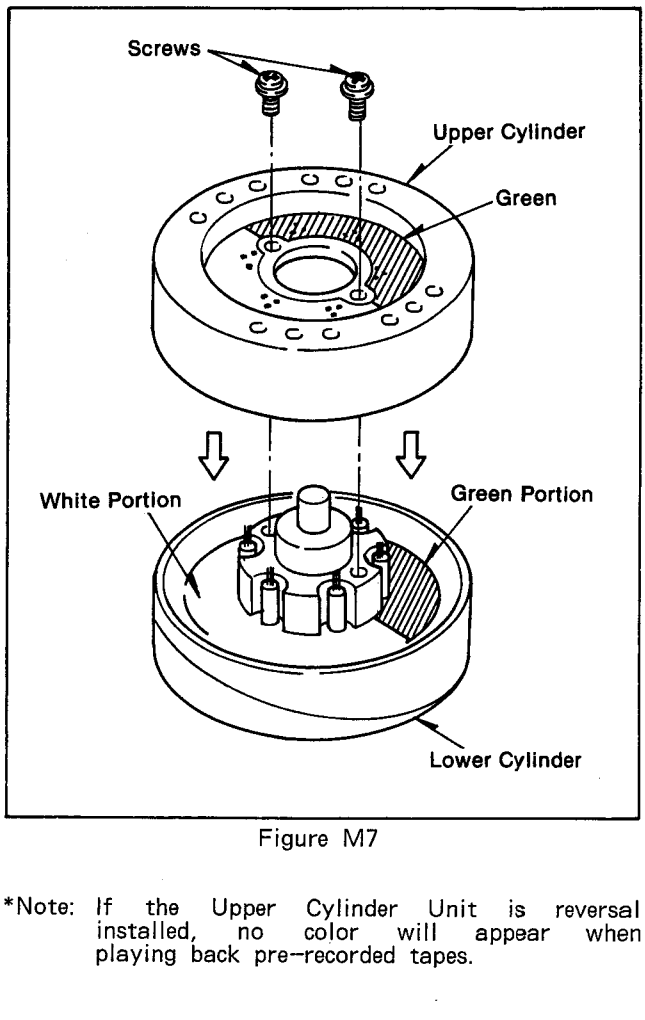


Figure M7

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

C. Replacement of the Lower Cylinder Unit

1. Disconnect 2 connectors.(Figure M8)

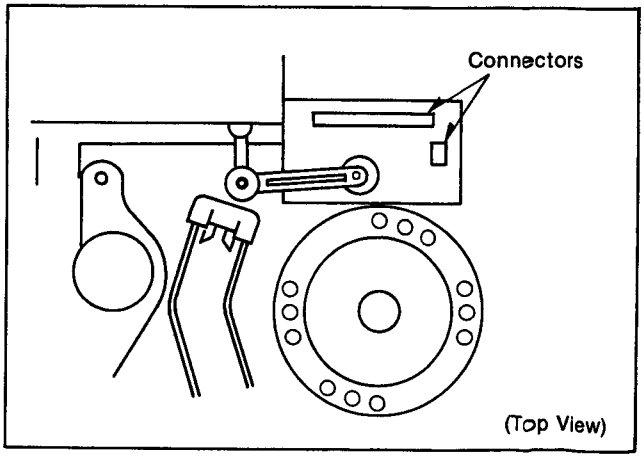


Figure 2-8

2. Remove the Cleaning Rod from bottom side.
3. Disconnect a connector (D).
4. Unscrew 3 screws (C). Since there is very little clearance between DD Cylinder (Lower Cylinder) Unit and Chassis, remove the Cylinder gently and carefully. (Figure M9).

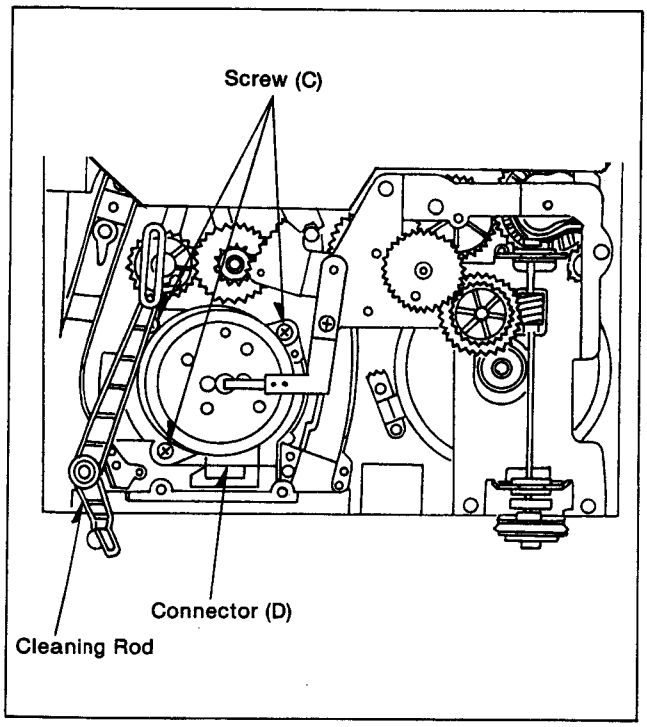


Figure M9

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

D. Adjustment After Re-Installing

Figure M10 shows the order of steps for adjusting the mechanical and electrical.

These adjustments should be performed after completion of reinstalling the Upper Cylinder or Lower Cylinder Unit.

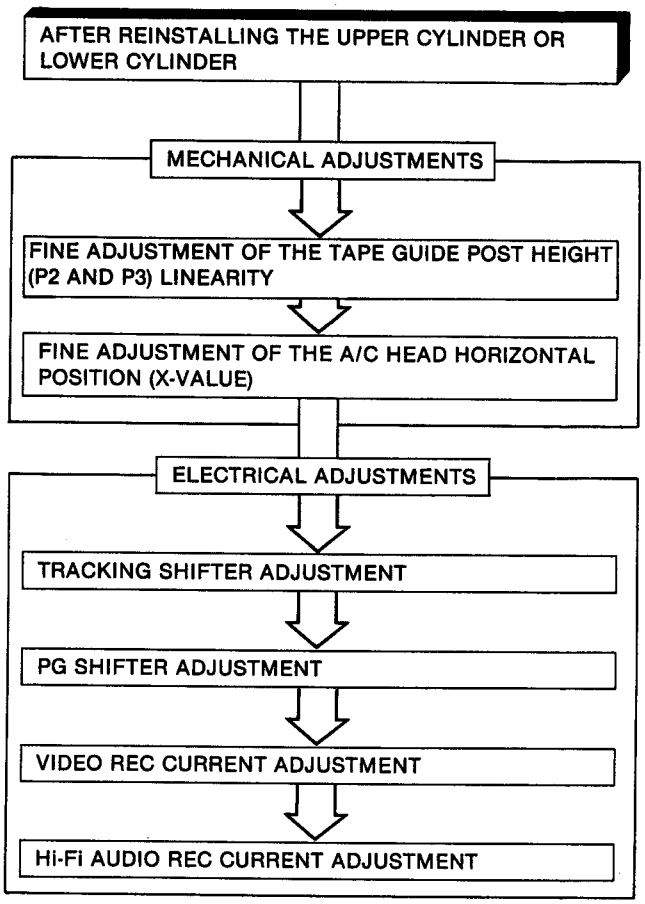


Figure M10

3-4-3. A/C HEAD MAINTENANCE PROCEDURES

A. Replacement of the A/C Head (1) Unit

1. Disconnect a connector (H). (Figure M11)
2. Unscrew 3 screws (E)(F)(G) with a spring and then remove the A/C Head (1) Unit (Figure M11).

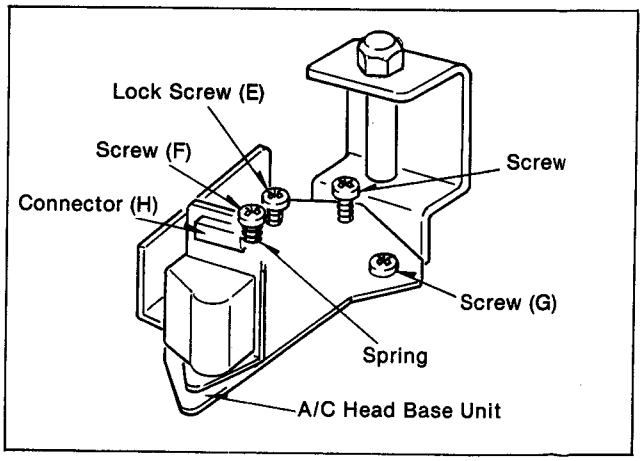


Figure M11

3. The A/C Head (1) Unit can be reinstalled by reversing the removal procedure.

B. Adjustment After Re-installing

Figure M12 shows the order of steps for adjusting the mechanical and electrical. These adjustments should be performed after completion of reinstalling the A/C Head (1) Unit.

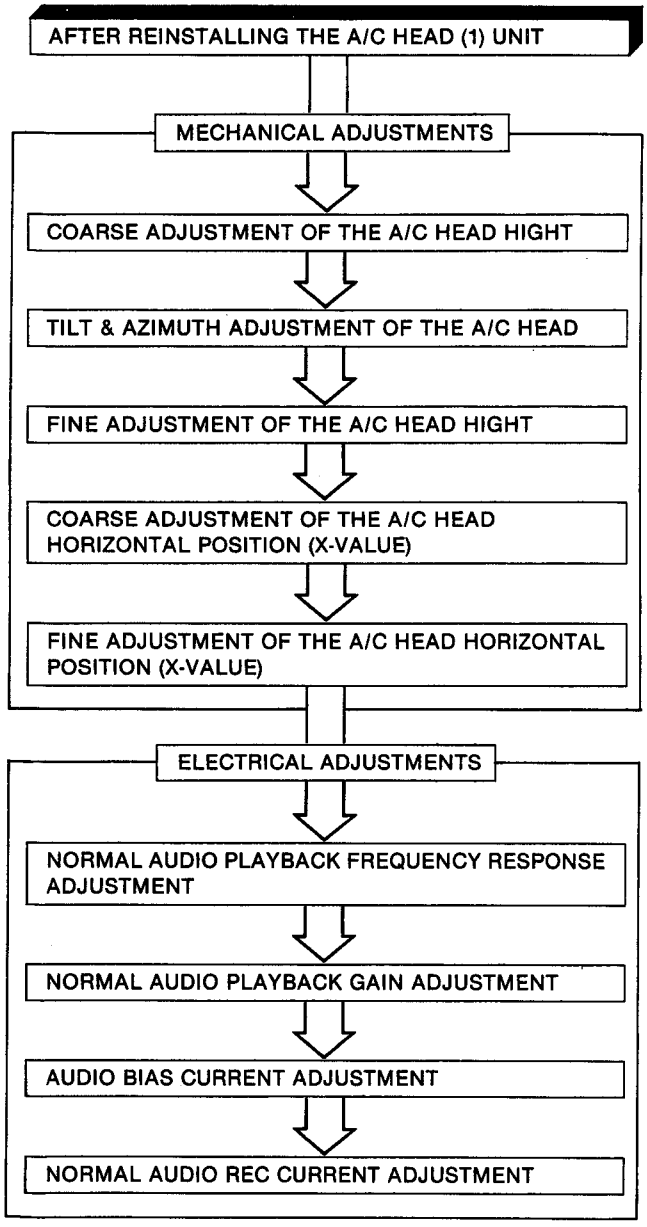


Figure M12

3-4-4. FULL ERASE HEAD MAINTENANCE PROCEDURE

A. Replacement of the Full Erase Head

1. Disconnect a connector (J).
2. Unscrew a screw (K) and remove the Full Erase Head.

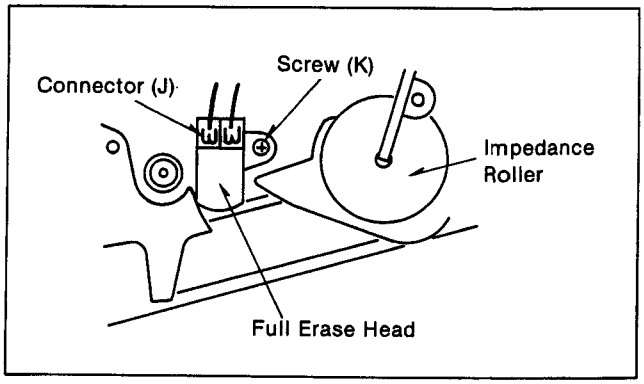


Figure M13

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

3-4-5. PRESSURE ROLLER MAINTENANCE PROCEDURES

A. Replacement of the Pressure Roller Unit

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

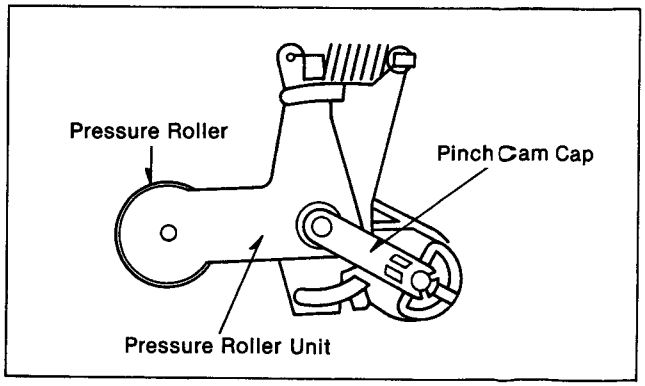


Figure M14

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

3-4-6. REEL MOTOR UNIT MAINTENANCE PROCEDURES

A. Replacement of the Reel Unit

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

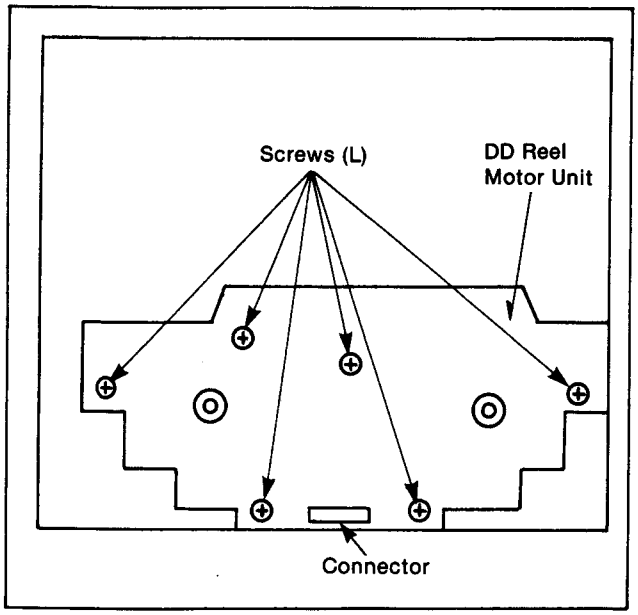


Figure M15

3. The Reel Motor Unit can be re-installed 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.

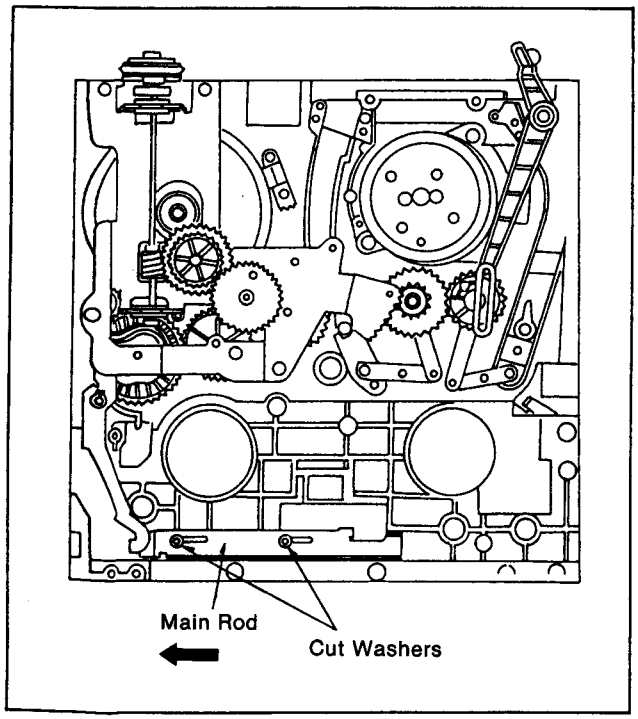


Figure M16

3-4-7. MAIN BRAKE (S),(T) UNIT MAINTENANCE PROCEDURES

A. Replacement of the Main Brake (S),(T) Unit

1. Remove the Reel Unit. (Refer to Reel Motor Maintenance Procedures.)
2. Remove a Retaining Ring.
3. Remove the Main Brake (S),(T) with a spring.

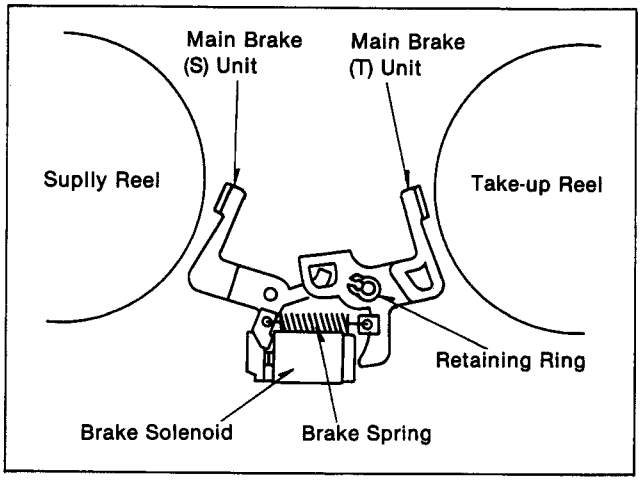


Figure M17

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 M16)

3-4-8. LOADING MOTOR UNIT MAINTENANCE PROCEDURES

A. Replacement of the Loading Motor Unit

1. Remove the Loading Belt.
2. Remove the Loading Motor Pulley.
3. Disconnect a connector.
4. Unscrew 2 screws (M) and remove the Loading Motor Unit.

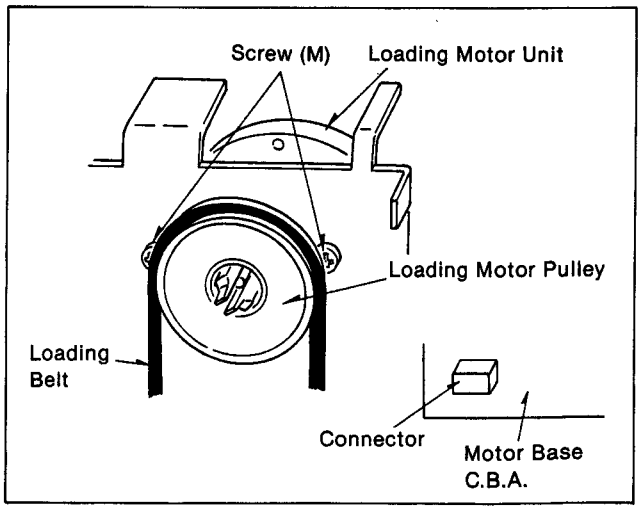


Figure M18

5. The Loading Motor Unit can be reinstalled by reversing the removal procedure.

3-4-9. HEAD CLEANING PAD UNIT MAINTENANCE PROCEDURES

A. 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.

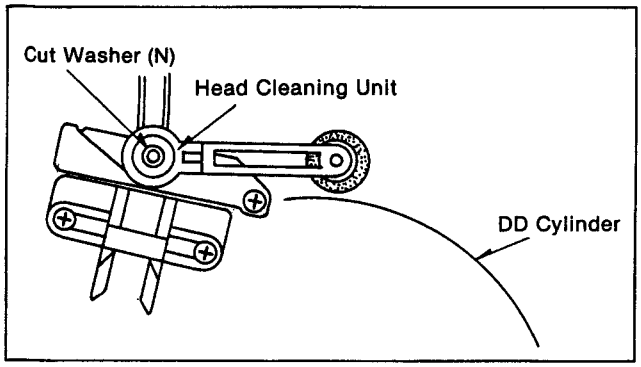


Figure M19

3-4-10. MODE SWITCH MAINTENANCE PROCEDURES

A. 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. Remove the Pinch Cam.

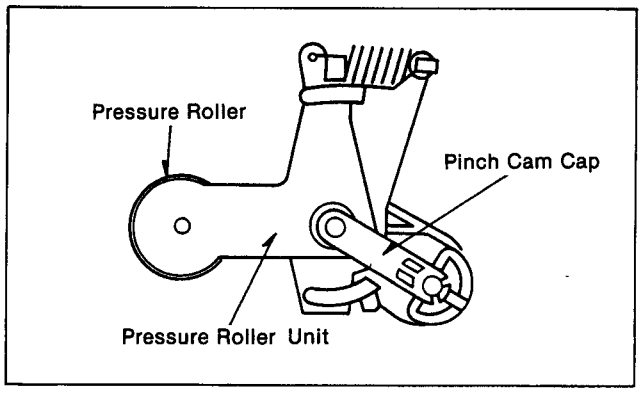


Figure M20

5. Unscrew 2 screws (P) and remove the Loading Motor Base.
6. Unscrew a screw (Q) and unsolder 5 of soldered portions.
7. Finally remove the Mode Switch.

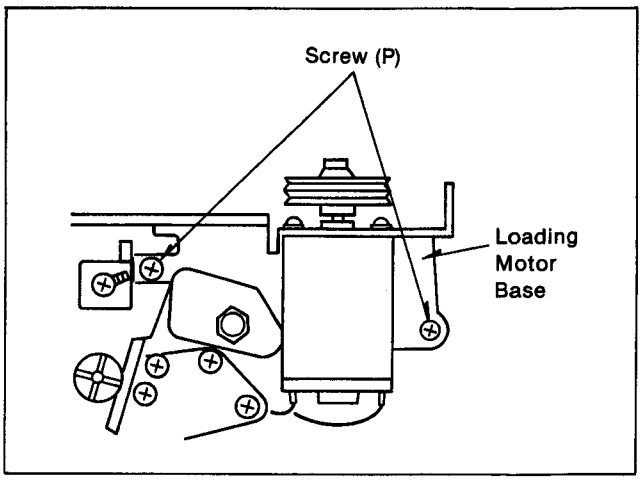


Figure M21

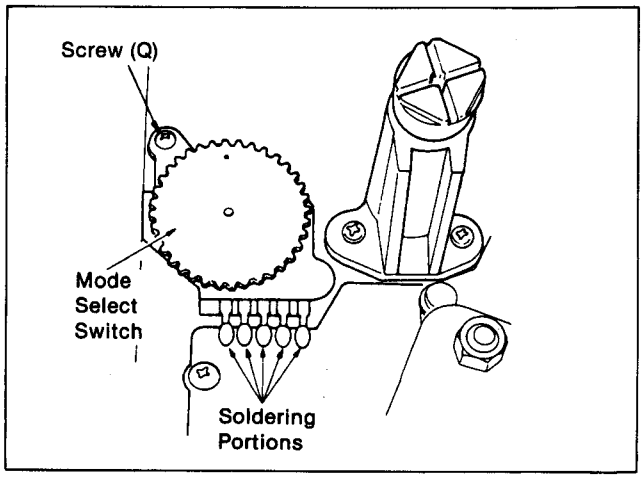


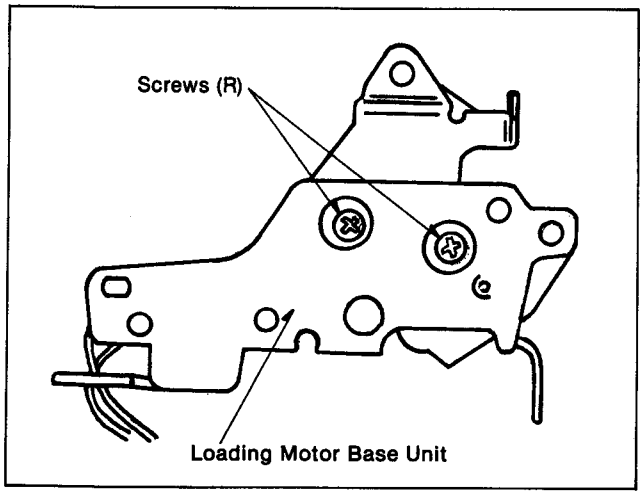
Figure M22

8. Install a Mode Switch and tighten screw (Q), then solder 5 soldering portions.
9. Install the Pinch Cam and Pressure Roller Unit. (Refer to " Assembly Procedures of Pinch Cam & Pressure Roller Unit.")
10. Install the Loading Motor Base and tighten screw (P).
11. Install the Cassette Compartment. (Refer to Reinstallation of Cassette Compartment.)

3-4-11. PINCH SOLRNOID MAINTENANCE PROCEDURES

A. Replacement of the Pinch Solenoid

1. Unscrew 2 screws (P) and remove the Loading Motor Base. (Figure M21)
2. Disconnect a connector (red) on the Motor Base C.B.A.
3. Unscrew 2 screws(R)(Figure M23) and remove the Pinch Solenoid.
4. Install a Pinch Solenoid and tighten 2 screws (P).
5. Install the Loading Motor Base and tighten 2 screws (P).(Figure M21)



B. Adjustment After Re-installing

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

Section 4

MECHANICAL ADJUSTMENTS

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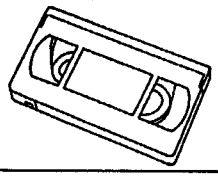
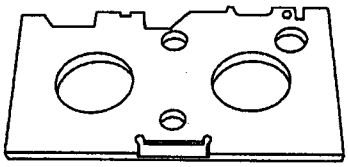
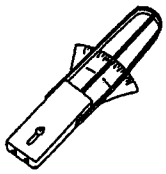
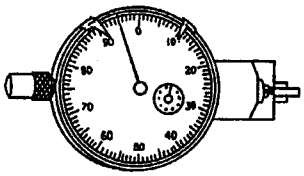
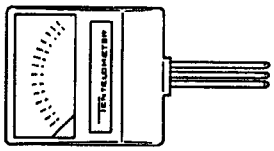
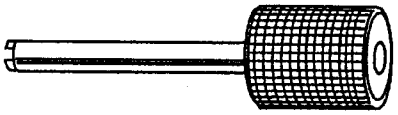
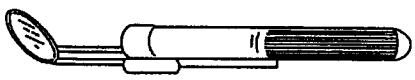
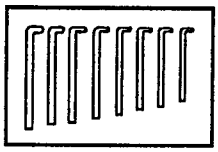
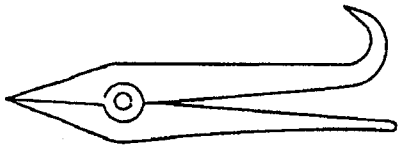
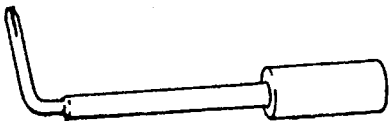
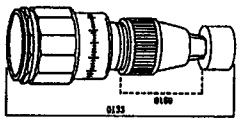
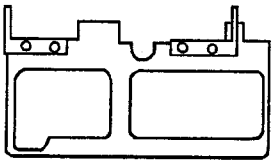
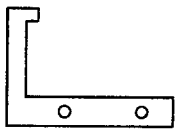
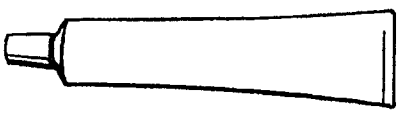
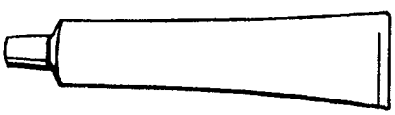
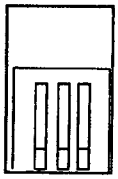
4-1. SERVICING FIXTURES AND TOOLS

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

VFM8180HADH ; PAL VHS Alignment Tape VFM8080HQFP ; NTSC VHS Alignment Tape 	VFK0191 ; Post Adjustment Plate 	VFK66 ; Fan Type Tension Gauge 
VFK0190 ; Reel Table Height Fixture 	VFK0132 ; Back Tension Meter (Tentelometer, Made in U.S.A.) 	VFK0329 ; Post Adj.Screwdriver 
VFK0343 ; Check Light 	VFK0328 ; H-Position Adj. Screwdriver 	VFK0326 ; Hex. Wrench Set (0.7, 0.9, 1.2, 1.5, 1.6, 2.0, 2.4, 3.0mm) 
VFK0335 ; Retaining Ring Remover 	VFK0269 ; L Type Screwdriver 	VFK0330 ; Fine Adjustment Screwdriver (3mm ϕ)
VFK0133 ; Dial Torque Gauge VFK0180 ; Plastic Clamper Only VFK0134 ; Adaptor for VFK0133 	VFK0236 ; Tension Post Adj. Plate 	VFK0578 ; Tension Sensor Adj. Fixture 
VFK0344 ; Post Height Adj. Fixture 	High Quality Machine Oil (Reel Shaft, Capstan Saft etc.) <<PURCHASE LOCALLY>>	Cleaning Liquid (Alchol) (Tape Transport Rubber Parts etc.) <<PURCHASE LOCALLY>>
MOR265 ; Morlytone Grease (Black) (for metal part) 	VFK0680 ; S.C.R. Grease (White) (for plastic part) 	VFK27 ; Head Cleaning Stick 

4-2. TAPE INTERCHANGEABILITY ADJUSTMENT PROCEDURES

4-2-1. ADJUSTMENT FLOW CHART

This flow chart describes the order of steps for adjusting the tape guide posts and A/C head in order to gain access to the items needing servicing. (Figures M1 and M2)

AFTER RE-INSTALLING THE UPPER CYLINDER OR LOWER CYLINDER

- 4-2-6. FINE ADJUSTMENT OF THE TAPE GUIDE POST HEIGHT (P2 AND P3)(LINEARITY)
- 4-2-9. FINE ADJUSTMENT OF THE A/C HEAD HORIZONTAL POSITION (X-VALUE)

AFTER RE-INSTALLING ALL POSTS OR IF ALL POSTS HAVE BEEN TURNED EXTREMELY

- 4-2-2. COARSE ADJUSTMENT OF THE TAPE GUIDE POST HEIGHTS (P2 AND P3)
- 4-2-3. ADJUSTMENT OF THE PULL-OUT POST (P5) HEIGHT
- 4-2-5. TILT AND AZIMUTH ADJUSTMENT OF THE A/C HEAD
- 4-2-6. FINE ADJUSTMENT OF THE TAPE GUIDE POST HEIGHT (P2 AND P3)(LINEARITY)
- 4-2-7. FINE ADJUSTMENT OF THE A/C HEAD HEIGHT

AFTER RE-INSTALLING THE A/C HEAD

- 4-2-7. FINE ADJUSTMENT OF THE A/C HEAD HEIGHT
- 4-2-5. TILT AND AZIMUTH ADJUSTMENT OF THE A/C HEAD
- 4-2-7. FINE ADJUSTMENT OF THE A/C HEAD HEIGHT
- 4-2-8. COARSE ADJUSTMENT OF THE A/C HEAD HORIZONTAL POSITION (X-VALUE)
- 4-2-9. FINE ADJUSTMENT OF THE A/C HEAD HORIZONTAL POSITION (X-VALUE)

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

- 4-2-3. ADJUSTMENT OF THE PULL-OUT POST (P5) HEIGHT

<<NOTE>>

Do not re-adjust any other posts.

Figure M1

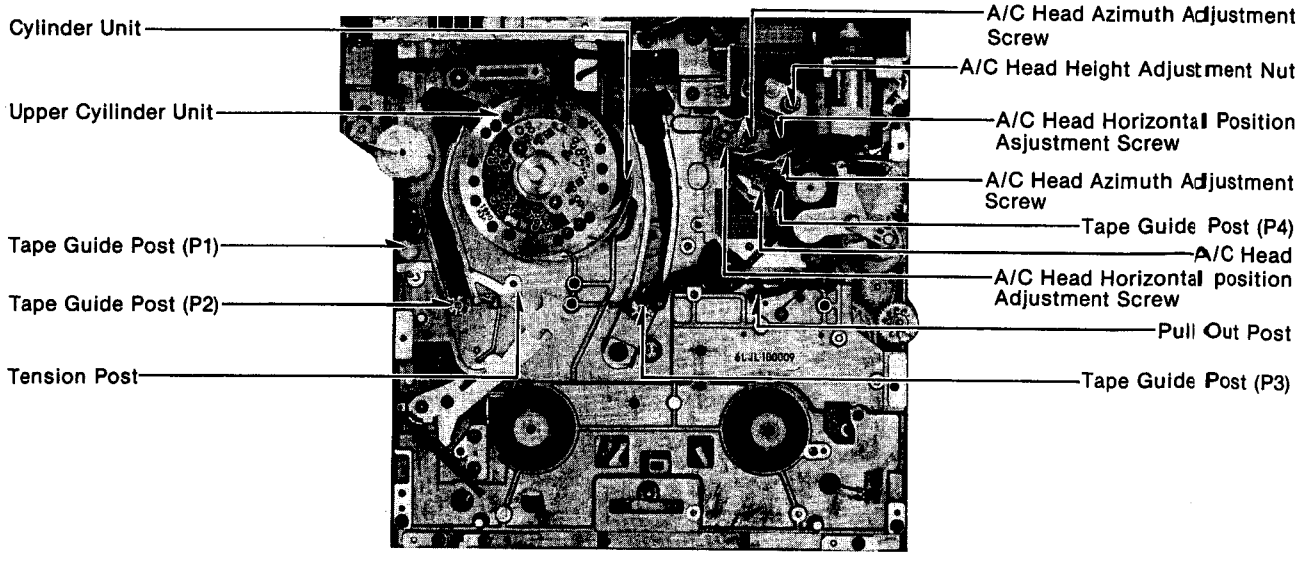


Figure M2

4-2-2. 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.
The following adjustment is required only when replacing the posts.
To prevent the alignment tape from being damaged, use a normal cassette tape for this procedure.

<<TOOL>>

Post Adjustment Plate ; VFK0191
Reel Table Height Gauge ; VFK0190
Post Adjustment Screwdriver ; VFK0329
Check Light ; VFK0343
L Type Screwdriver ; VFK0326

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 M3.

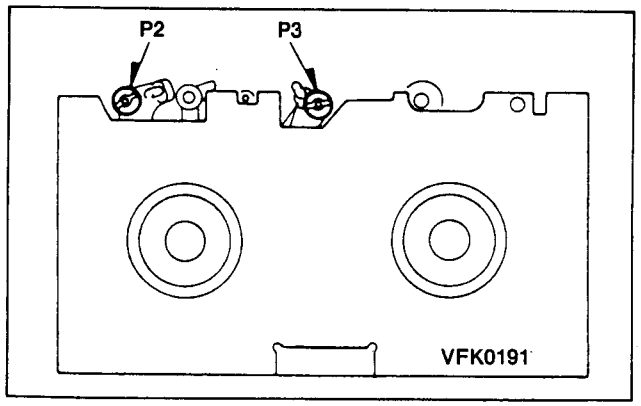


Figure M3

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 M4. That is the lower edge of Tape guide should be lower than surface of Adjustment Plate.

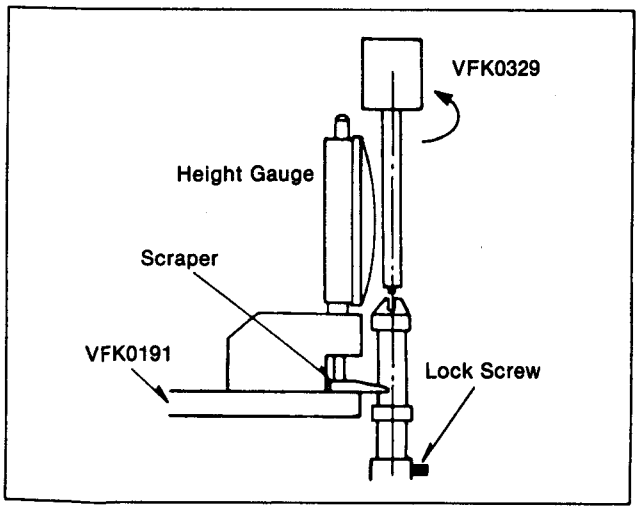


Figure M4

<<NOTE>>

Before turning P2 and P3 posts, slightly loosen the Lock Screw using the L Type Screwdriver.

4. Place the scraper of Reel Table Height Gauge as shown in Figure M5.
   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.

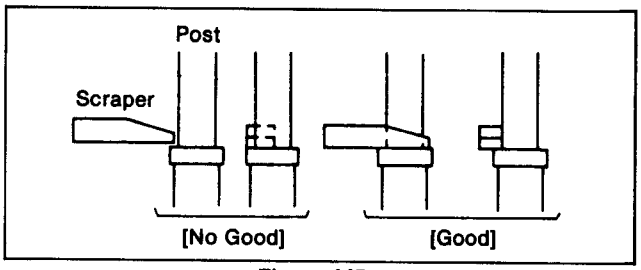


Figure M5

5. After the adjustment, install the cassette compartment referring to Reinstallation of cassette compartment.
6. Play back the beginning portion of NV-E180 cassette tape, and confirm that tape travel as shown in Figure M6.

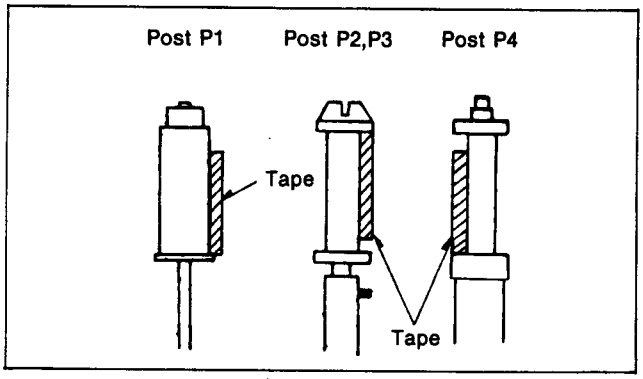


Figure M6

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 frilling 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 M7.

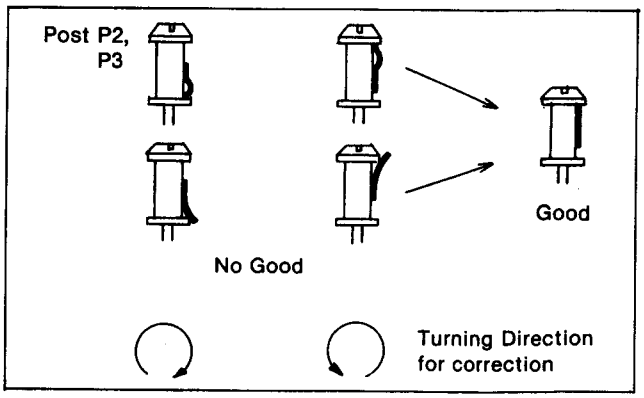


Figure M7

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

4-2-3. ADJUSTMENT OF THE PULL OUT POST (P5) HEIGHT

<<TOOL>>
Post Adjustment Plate ; VFK0191
Reel Table Height Gauge ; VFK0190
Nut Driver ; Purchase locally

<<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.
3. Turn the Worm Shaft counterclockwise (loading direction) until the mechanical condition becomes as shown in Figure M8.

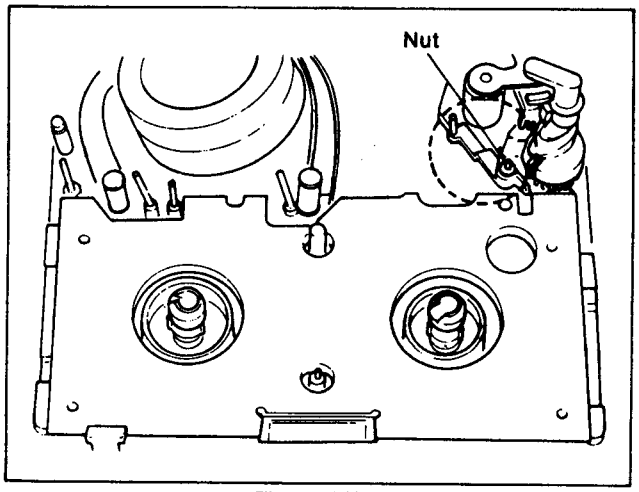


Figure M8

4. Place the Reel Table Height Gauge on the Post Adjustment Plate and set the gauge to zero 0 as shown in Figure M9.

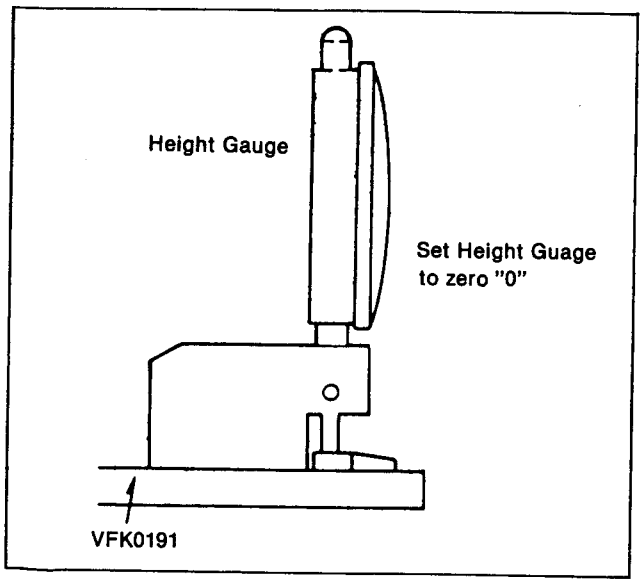


Figure M9

5. Place the Reel Table Height Gauge as shown in Figure M10 and turn the nut slowly until the gauge reads - 0.03mm +/- 0.01mm.

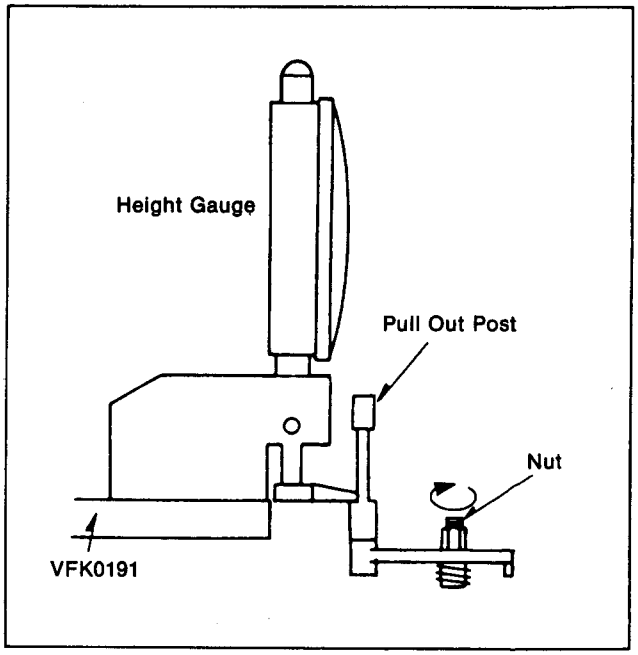


Figure M10

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 M11.

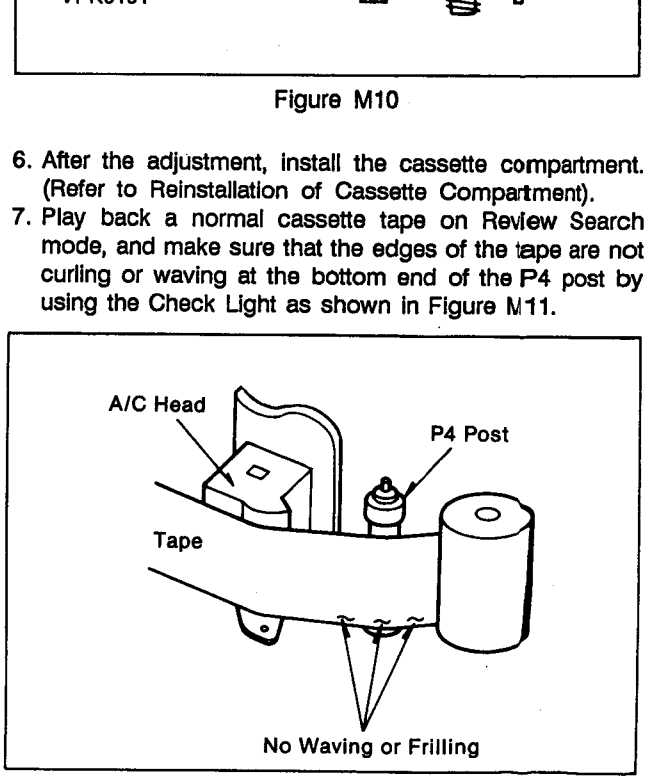


Figure M11

<<NOTE>>
There is easy method to check Waving or Frilling. If there is Waving or Frilling in the lower edge, the white black pattern which is reflected on the tape will curve or not linear as shown in Figure M12.

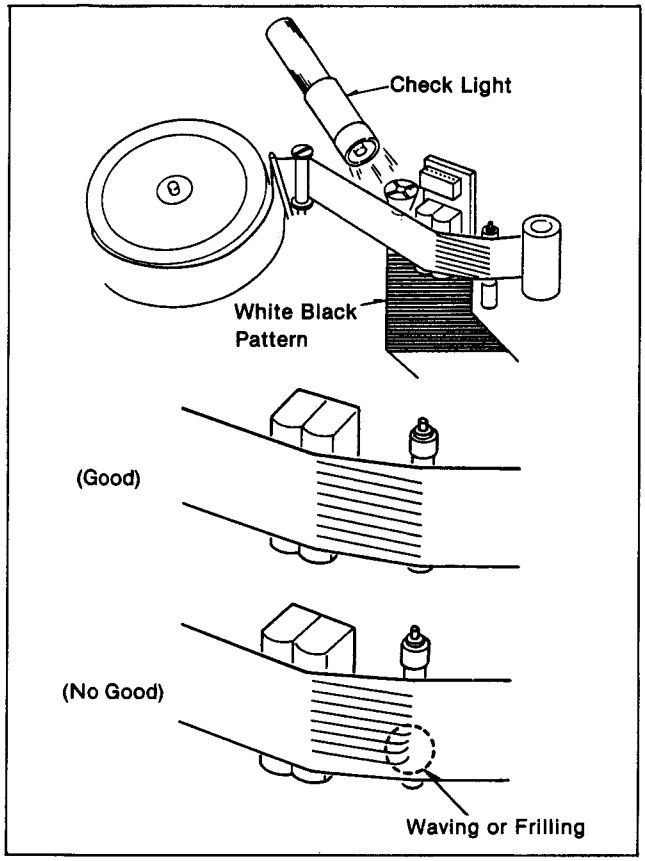


Figure M12

8. If curling appears, readjust P5 post.

4-2-4. 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 ; VFK0343
Nut Driver ; Purchase locally

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 M13 by turning the Nut (A) clockwise to lower the head, and counter-clockwise to raise it.

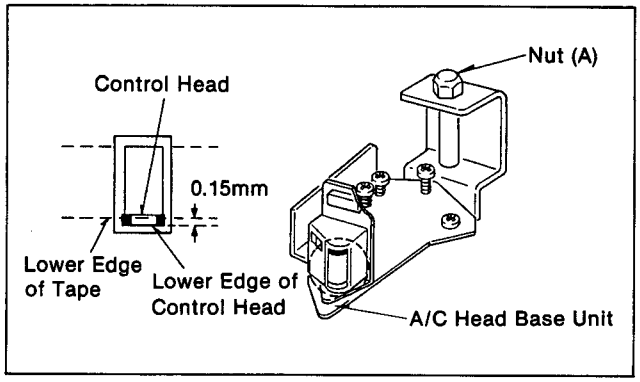


Figure M13

4-2-5. TILT & AZIMUTH ADJUSTMENT OF THE A/C HEAD

<<NOTE>>

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

<<TOOL>>

Alignment Tape ; VFM8180HADH
Check Light ; VFK0343
Screwdriver(+) ; Purchase locally
VHS Video Tape

1. Play back a VHS Video tape which the amount of tape winding of a Supply Reel is more than the amount of tape winding of a Take up Reel. Turn a screw (B) to clockwise until Waving or Frilling appears in the lower edge of P4 post as Figure M11.

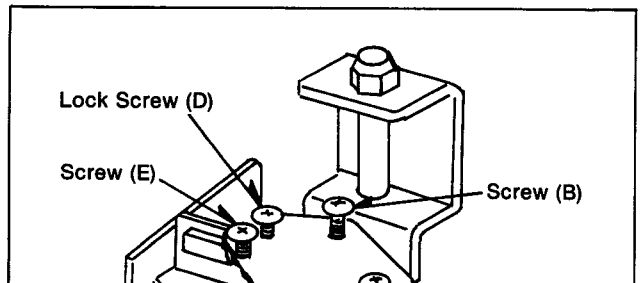


Figure M14

<<NOTE>>

There is easy method to check Waving or Frilling. If there is Waving or Frilling in the lower edge, White Black pattern which is reflected on the tape will curve or not linear. (Figure M12)

2. Turn the screw (B) to counter-clockwise until waving or frilling do not appear in the lower edge of P4 post.
3. Connect the scope CH1 to the Normal Audio Output CH1 and the scope CH2 to the Normal Audio Output CH2 on the rear panel.
4. Play back the 2-nd portion (Normal Audio 10KHz) of the alignment tape (VFM8080HQFP).
5. Adjust the screw (C) so that these phases of both channels match as shown in Figure M15.

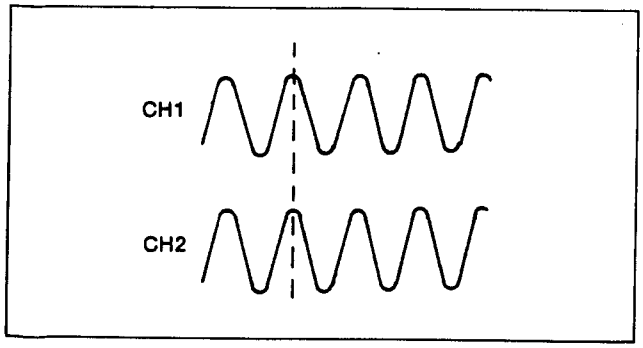


Figure M15

6. Adjust the screw (C) and (B) so that CH1 and CH2 output levels become maximum, these phases of both channels much at the same time (Figure M16). During this adjustment the Lock screw (D) does not touch the A/C Head Base as shown in Figure M17.

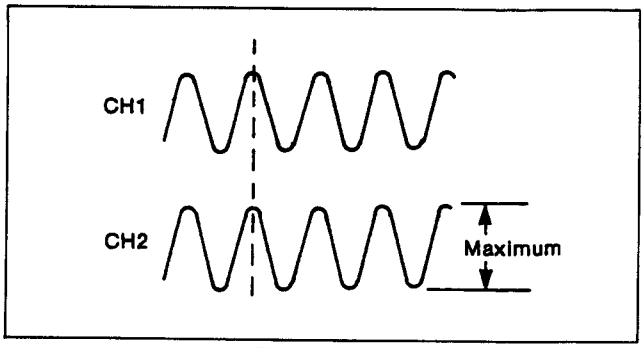


Figure M16

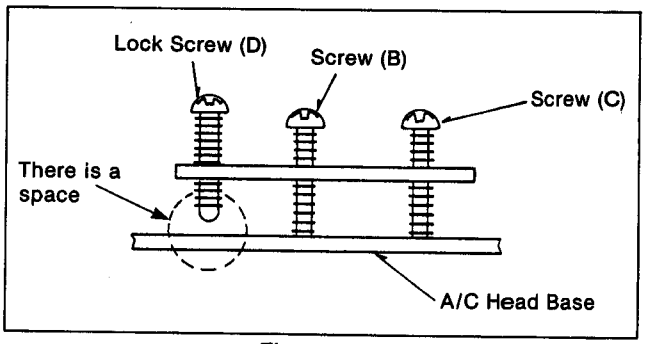


Figure M17

7. Turn the screw (C) to clockwise so that the difference of phases of both channels become 180 degrees as shown in Figure M18.

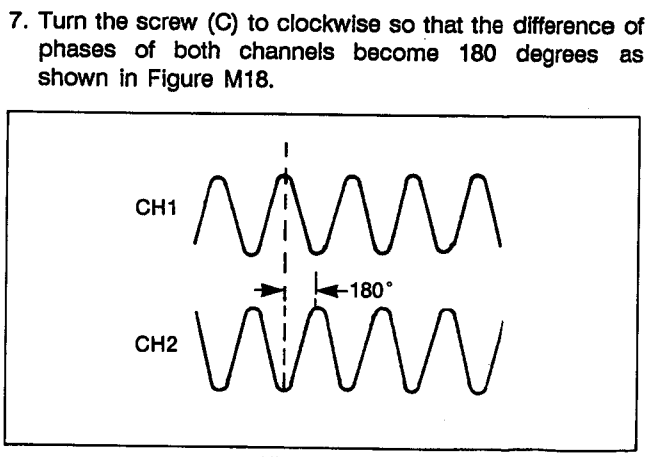


Figure M18

9. Tighten the Lock screw (D) so that these phases of both channels match as shown in Figure M15.

4-2-6. 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 scope to TP3005 (RF) on the video (1) board and TP2201 on the servo TP board to Ext-trigger the scope.
2. Play back the 2-nd portion (Monoscope 2) of the alignment tape (VFM8180HADH)
3. Turn the Tracking Control VR and adjust for maximum VIDEO FM envelope.
4. If the RF envelope appears like example A or B in Figure M20 then adjustment of the tape guide post (P2 : Entrance) is necessary.
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 M20-C.

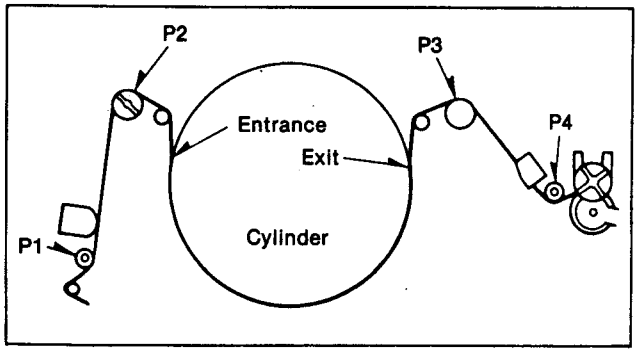


Figure M19

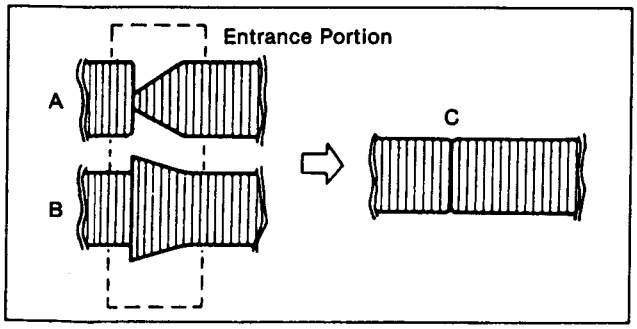


Figure M20

6. If the RF envelope appears like example D or E in Figure M21, 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 M21-F.

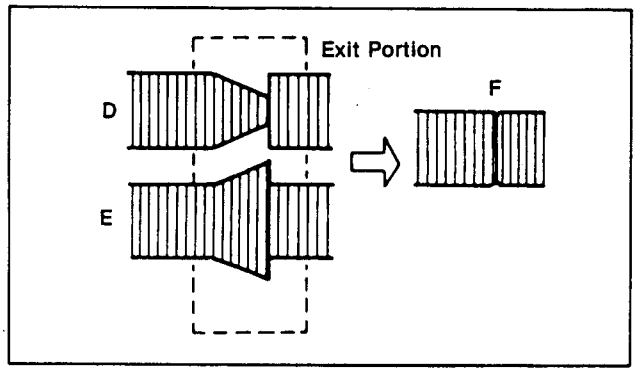


Figure M21

8. Turn the Tracking VR fully clockwise and counterclockwise. The output envelope should vary nearly parallel with other condition as shown in Figure M22.

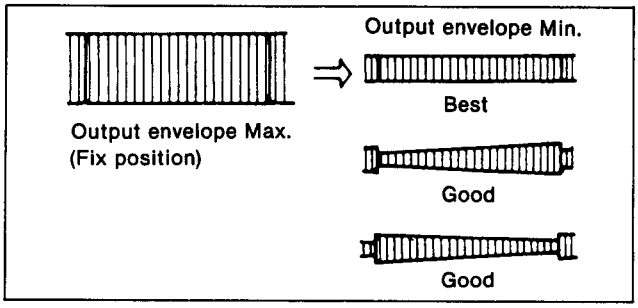


Figure M22

9. Turn the Tracking VR into center fix position and adjust for maximum RF envelope.
   If the RF envelope does not meet these specifications,

   V1/VO >= 0.7
   V2/VO >= 0.8
   V3/VO >= 0.7

   then repeat steps 4-9 again.

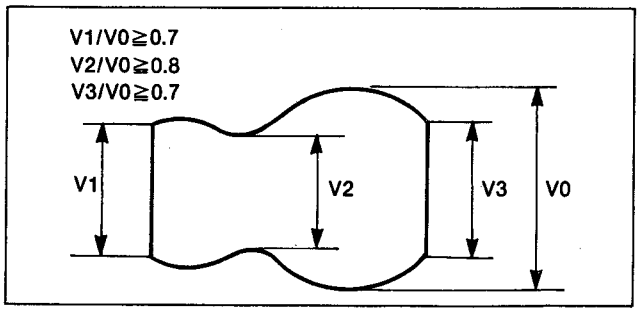


Figure M23

4-2-7. FINE ADJUSTMENT OF THE A/C HEAD HEIGHT

<<NOTE>>
Before this adjustment 5-2-3. Coarse Adjustment of the A/C Head Height should be performed.

<<TOOL>>
Alignment Tape ; VFM8180HADH
Nut Driver ; Purchase locally

1. Connect a scope to the Normal Audio CH2 Output on the rear panel.
2. Play back the 2-nd portion (Normal Audio 10kHz) of the Alignment Tape (VFM8180HADH)
3. Adjust the Nut (A)(Figure M24) so that the CH2 output level becomes maximum as shown in Figure M25.

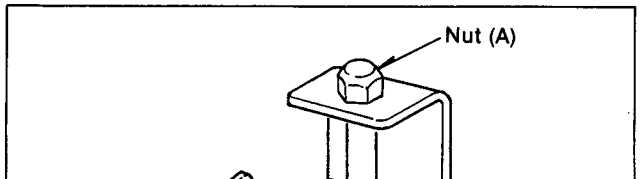


Figure M24

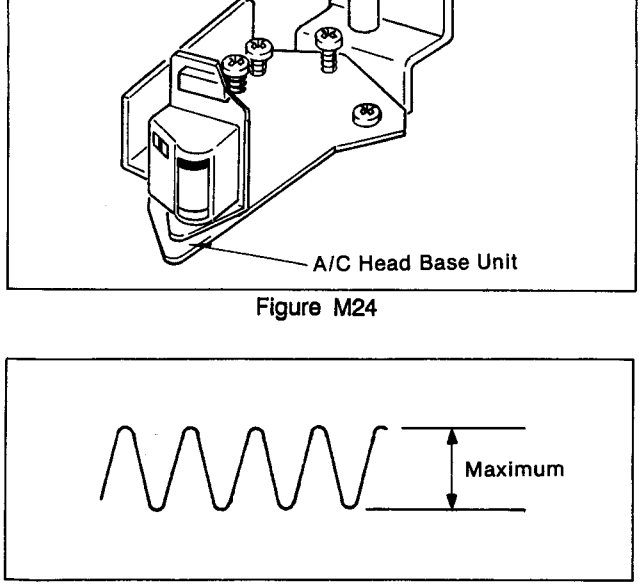


Figure M25

4-2-8. 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. Set the Tracking Control VR to the center detent(fixed) position.
2. Connect a scope CH1 to TP3005 (RF) on the video (1) board, CH2 to the audio CH1 output on the rear panel.
3. Play back the 4-th position (Monoscope 3 and Audio / Every 10-th field is skipped) of the Alignment tape VFM8080HQFP.
4. 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 M26.

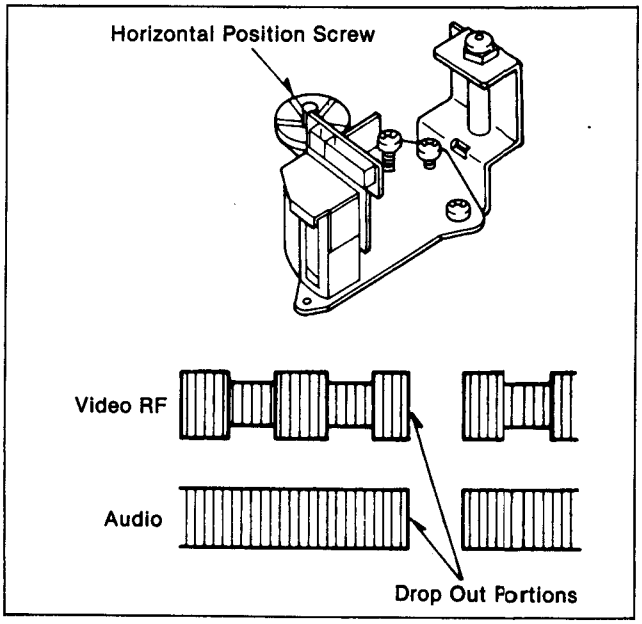


Figure 3-26 Horizontal Position Adjustment of A/C Head

<<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.

4-2-9. 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 on the Front Panel.
3. Play back the 2-nd portion (Monoscope 2) of the alignment tape (VFM8180HADH)
4. Adjust the Horizontal Position Screw (Figure M25) of A/C head so that the RF signal becomes maximum level as shown in Figure M27.

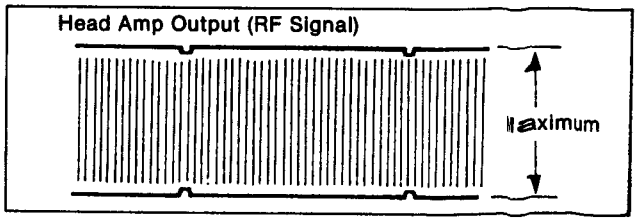


Figure M27

4-3. OTHER MECHANICAL ADUSTMENT PROCEDURES

4-3-1. MEASUREMENT AND ADJUSTMENT OF BACK TENSION

<<TOOL>>
Back Tension Meter ; VFK0132
VHS Cassette Tape (180 min. tape not S-VHS tape)

A. FWD Tension Adjustment

<<SPEC>>
23g to 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 M28 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.

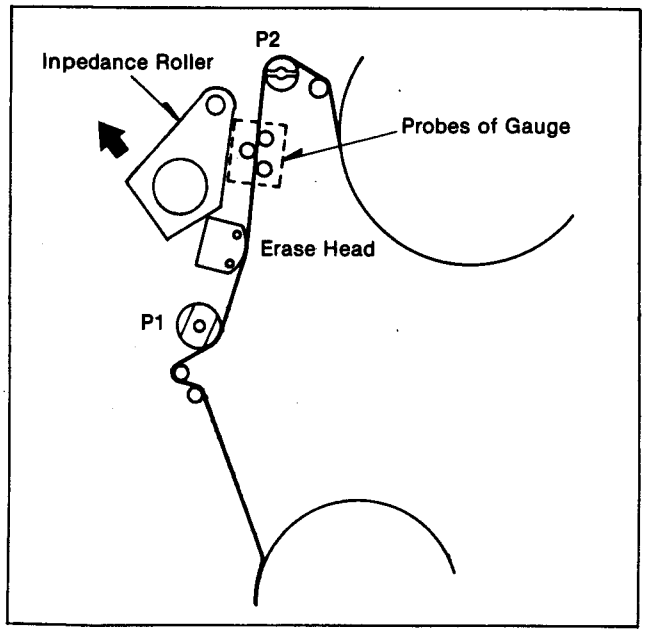


Figure M28 Measurement of Back Tension

4. If it is out of specification, replace the Tension spring.

B. Rev Tension Adjustment

<<SPEC>>
30g to 60g

1. Play back the beginning of E180 VHS cassette in the Reverse play mode and wait for approx. 10 to 20 seconds so that the tape movement is stabilized.
2. Pull the Impedance Roller in the direction indicated by the arrow in Figure M28 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.

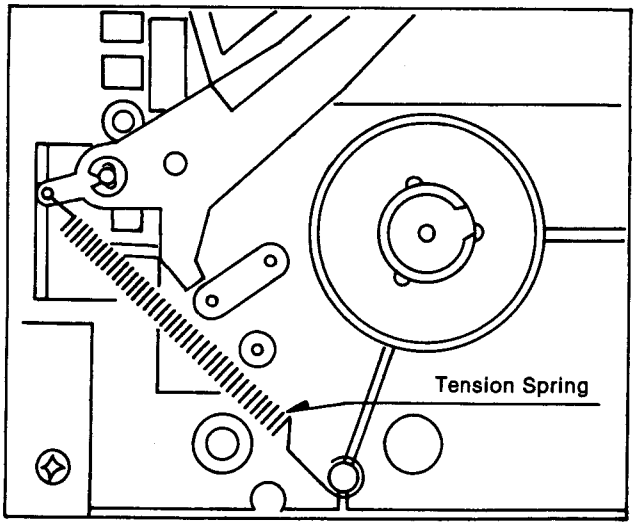


Figure M29

4-3-2. HEIGHT ADJUSTMENT OF THE REEL TABLES

<<TOOL>>
Post Adjustment Plate ; VFK0191
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 M30.

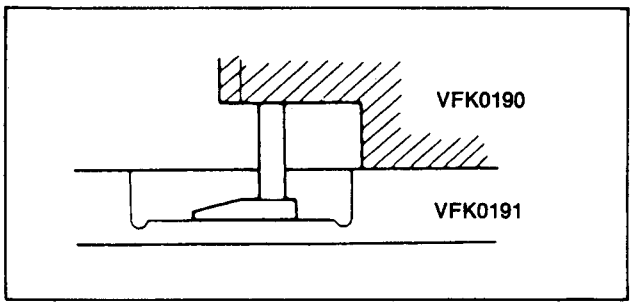


Figure M30

4. Measure the height of the top surface of either Reel Table and note the difference in height from the plate cut-out. (Figure M30 and M31) Repeat this procedures for the other Reel Table.

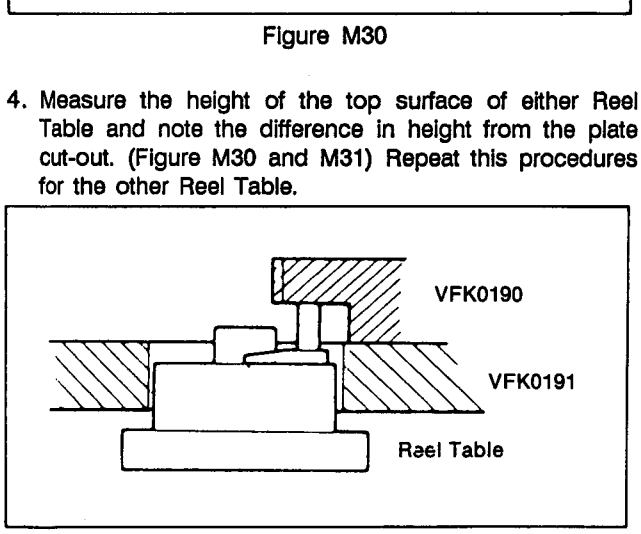


Figure M31

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 M32) so that measurement becomes the spec. If you can not adjust to the spec., replace Take Up Reel table.

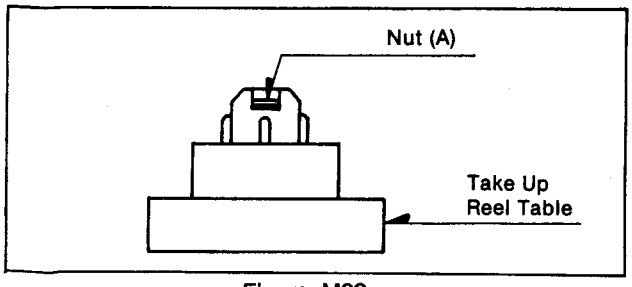


Figure M32

<<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 M33.

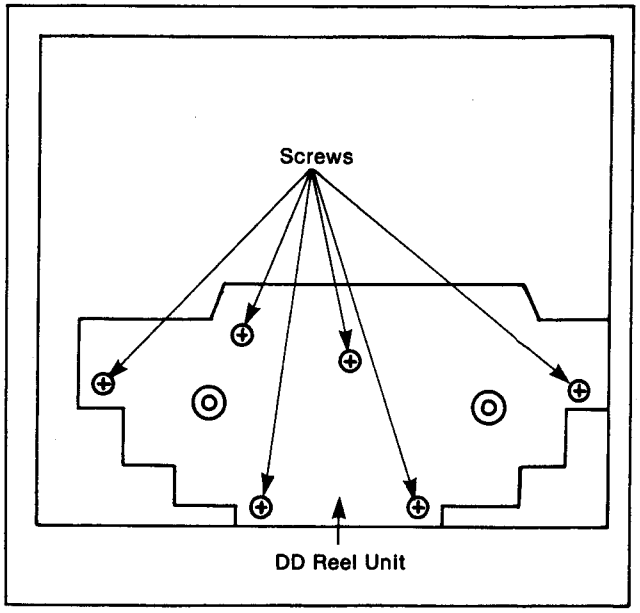


Figure M33 Bottom View of DD Reel Unit

<<NOTE>>
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.

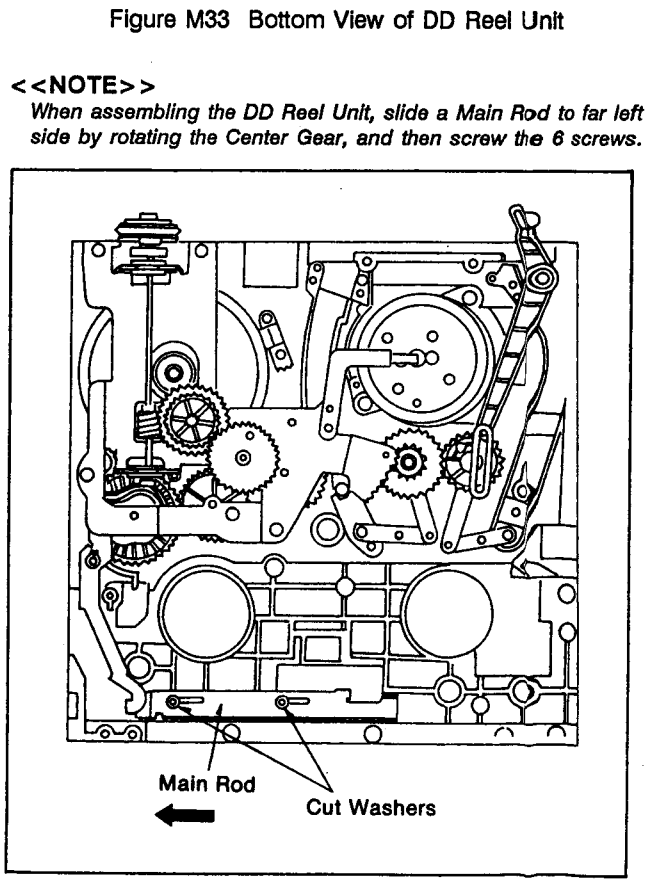


Figure M34

4-3-3. ADJUSTMENT OF THE CAPSTAN THRUST GAP

<<TOOL>>
Reel Table Height Gauge ; VFK0190
Height Adjustment Fixture ; VFK0344

<<SPEC>>
0.5mm +/- 0.05mm

1. Turn a Thrust Adjust Screw slightly until the capstan rotor unit just touches the coil of the capstan stator unit.

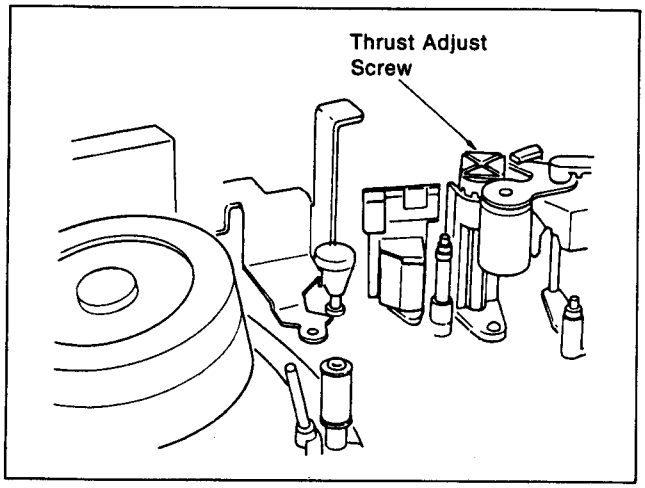


Figure M35

2. Unscrew 4 screws and remove the Gear Base Unit.
3. Set the Height Adjustment Fixture on the capstan Rotor unit as shown Figure M36.

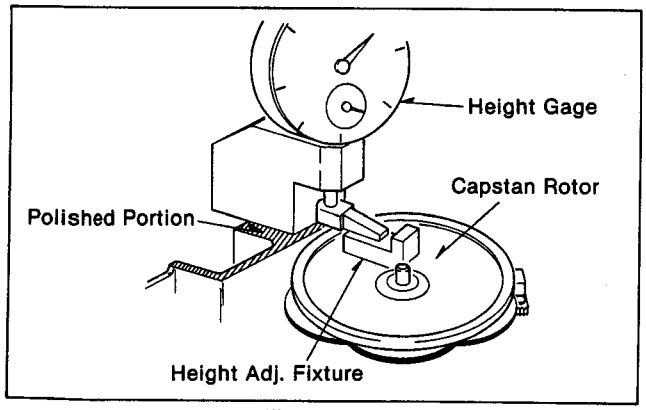


Figure M36

4. Adjust the Thrust Adjust screw so that the thrust gap becomes 0.5mm +/- 0.05mm.

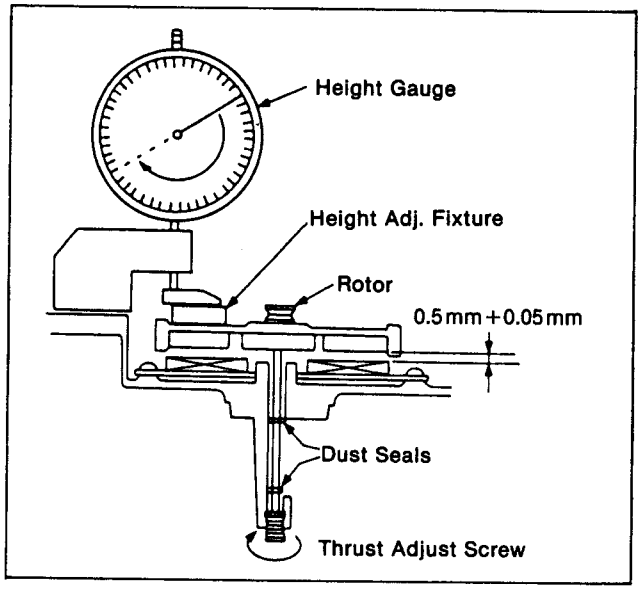


Figure M37

4-3-4. MEASUREMENT AND ADJUSTMENT OF THE BRAKE TORQUE

<<TOOL>>
Torque Gauge ; VFK0133
Adapter 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 (Subloading mode).
3. Place the torque gauge on the reel table as shown in Figure M38. The weight of the gauge should not rest on the reel table.
4. Turn the torque gauge in the direction indicated in Figure M39 until the brake begins slipping and read the gauge.

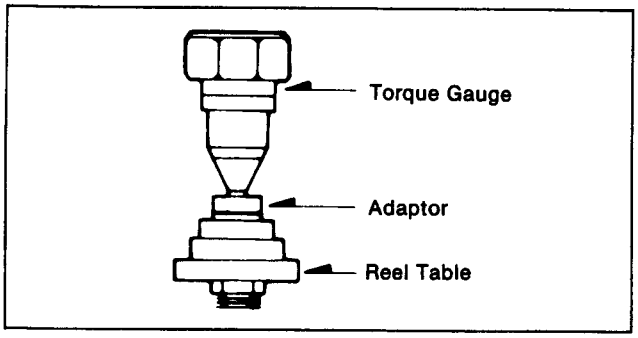
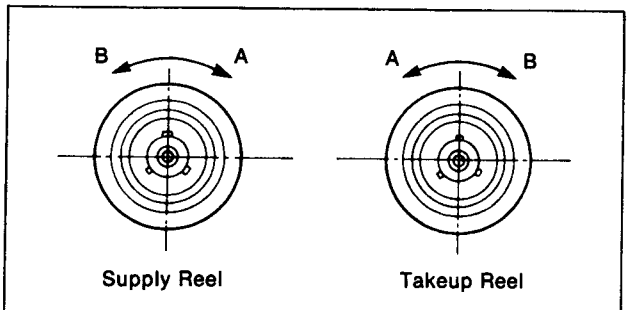


Figure M38 Measuring Method



	A	B
Takeup	more than 550g-cm	more than 50g-om
Supply		more than 40g-cm

Figure M39 Specification of Brake Torque

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 the braking 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.

4-3-5. ADJUSTMENT OF PRESSING FORCE OF PRESSURE ROLLER UNIT

<<TOOL>>
Fan Taype Tension Gauge ; VFK66
Fine Adj. Screwdriver ; VFK0330
VHS 180 min. Cassette Tape

<<SPEC>>
930g +/- 70g

1. Remove the Cassette Compartment.
2. Play back the end portion of VHS (180 min.) tape.
3. Insert a Fine Adj. Screwdriver in the hole (C).
4. Slightly losen the screw (B).
5. Set the Fan Type Tension Gauge to the part (A) of Pinch Roller Unit.
6. Press the Arm with the Gauge, in the direction indicated by the arrow as show in Figure M40.
7. Adjust the Solenoid Base so that the reading of the Tension Gauge is 930g +/- 70g at the moment of the tape running stop.

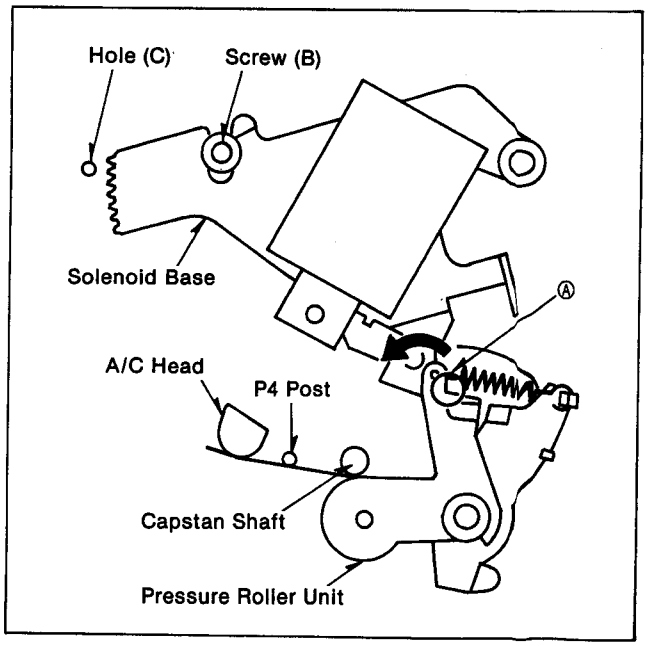


Figure M40

4-3-6. ADJUSTMENT OF THE REV. TENSION SENSOR POSITION

<<TOOL>>
Tension Sensor Adj. Fixture ; VFK0578
Tension Post Adj. Plate ; VFK0236
Fine Adj. Screwdriver ; VFK0330
Digital Volt Meter ; Purchase locally

<<NOTE>>
Assemble a Tension Sensor Adjustment Fixture (VFK0578) and a Tension Post Adj Plate (VFK0236) as shown in Figure M41.

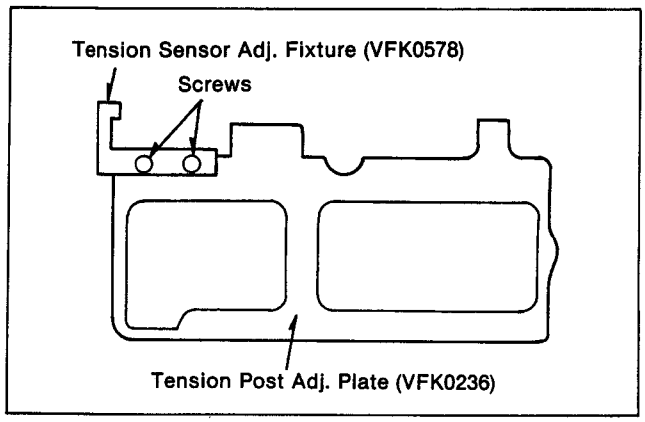


Figure M41

1. Remove the Top Plate and Cassette Holder Unit. (refer to Disassemble Procedures)

<<NOTE>>
Do not disconnect 4Pin (exept 2P) flat wire from connector P1508 on the right side of Cassette Compartment.

2. Push the Sub Wiper Arm (R) to direction of Cassette loading.
   Then the Sub Wiper Arm (R) goes down itsedlf and mode of machine change to STOP.
3. Turn the Power switch off.
4. Remove the Cassette Compartment (refer to Disassmbly Procedures) and disconnect 4Pin flat wire form P1508.
5. Connect the V.T.V.M. or D.V.M. to TP2502 on the Reel Servo C.B.A.
7. Place the Tension Post Position Adjustment Plate with the Fixture over the reel tables as shown in Figure M42.

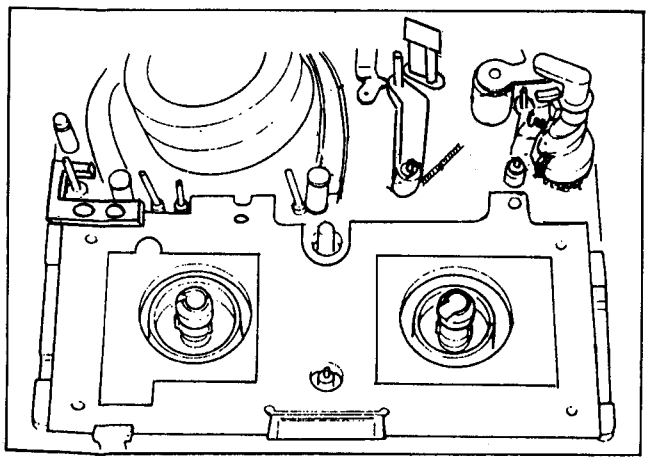


Figure M42

8. Turn the Power switch on.
9. Slightly loosen 2 screws (C). Insert a Fine Adj. Screwdriver in the hold (D). (Figure M43)

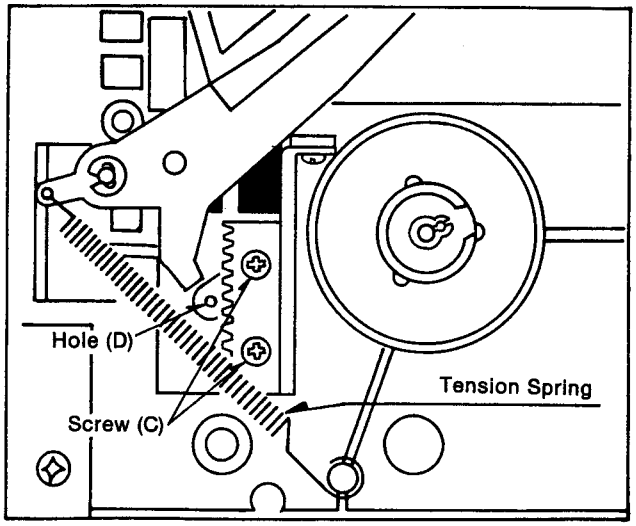


Figure M43

10. Adjust the Rev Sensor Position so that measurement becomes D.C. 2.0V to 2.5V.
11. Remove the Tension Sensor Fixture.
12. Reinstall the Cassette Compartment.
13. Confirm Playback picture (Rev Playback mode, Playback mode etc.)

4-3-7. ADJUSTMENT OF THE FG HEAD GAP

<<SPEC>>
0.17mm to 0.18mm

1. Slightly loosen 2 screws. (Figure M44)
2. Put the paper which is used for cover page of this volume into the gap between F.G. Head and Capstan rotor. (The thickness of the cover page is approx. 0.17mm).
3. After adjustment, tighten 2 screws.

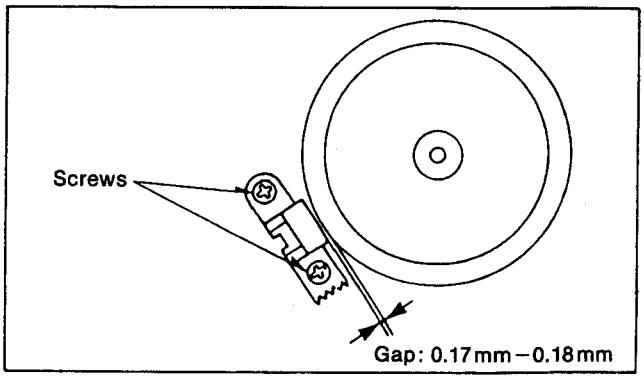


Figure M44

<<NOTE>>
Do not touch the surface of rotor and keep any magnetizable material away.

4-4. 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 M45 and Figure M46. This mechanical adjustment is performed in the STOP mode.

4-4-1. CONFIRMATION OF ALIGNMENT CONDITION

1. Remove the Loading Belt.
2. Unscrew 4 screws and remove the Gear Base Unit.(Figure M45)
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 M47.
4. Identification hole on the Mode Select Switch at 6 oclock position and aligned with small hole on Pinch Cam as shown in Figure M46.
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.

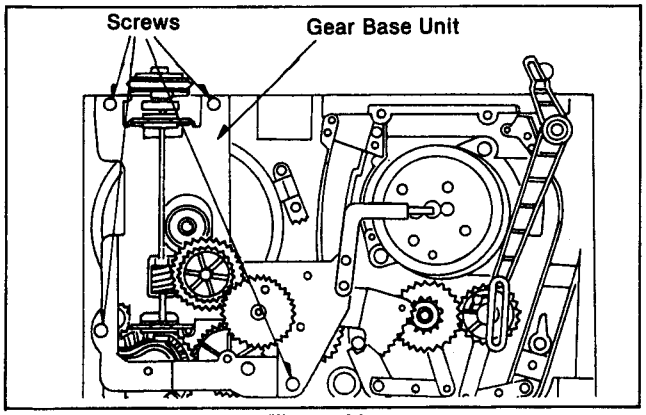


Figure M45

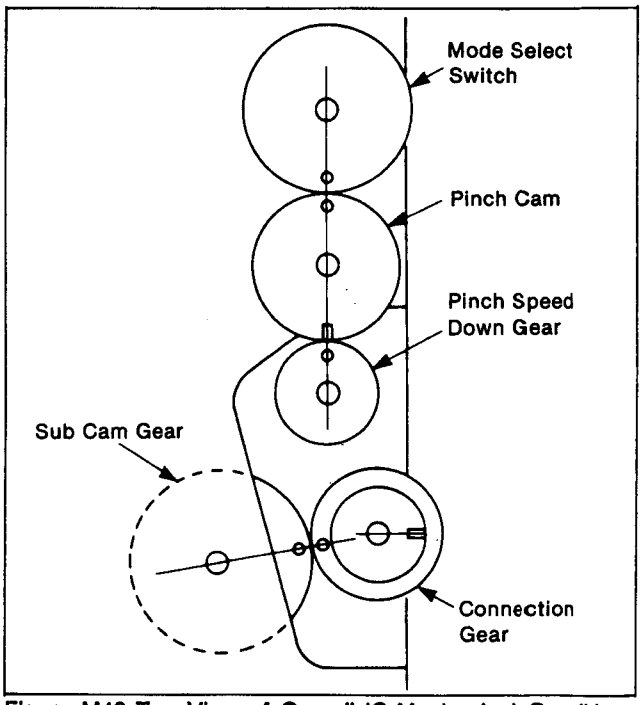


Figure M46 Top View of Overall IQ-Mechanical Condition

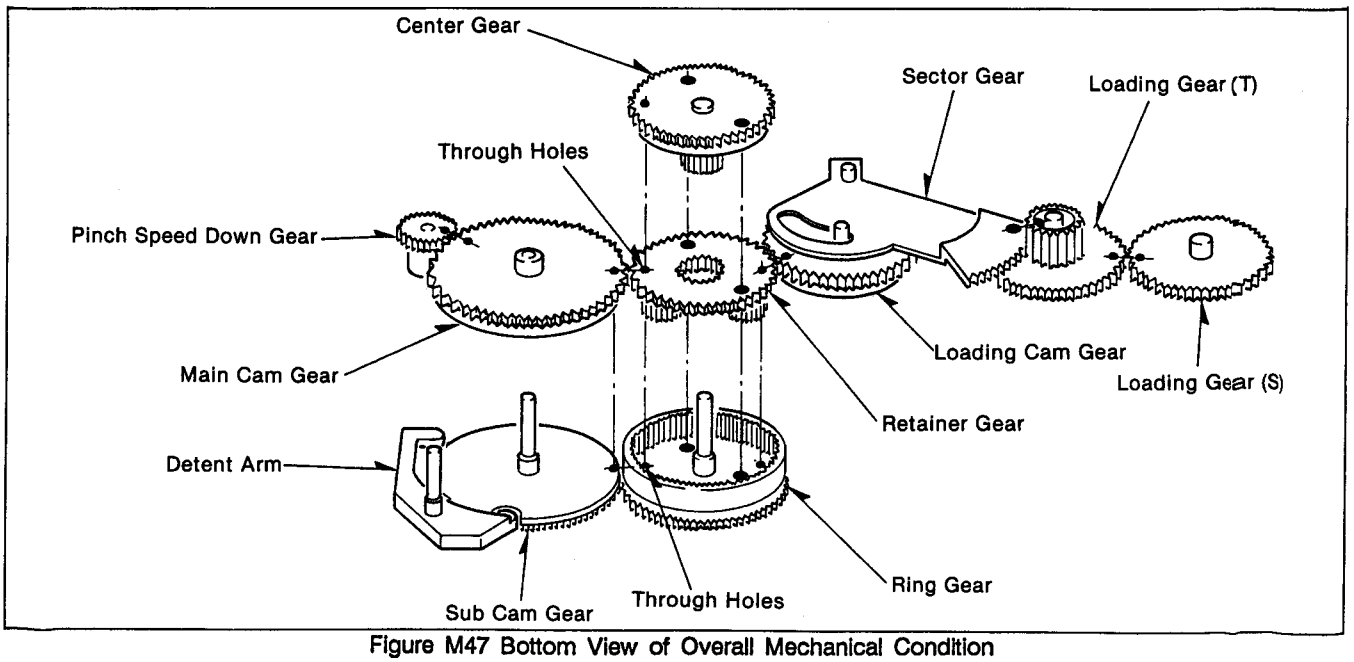


Figure M47 Bottom View of Overall Mechanical Condition

4-4-2. 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 M48.
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 M48.
3. Confirm that the small hole on Sub Cam Gear is aligned with the small hole on Connection Gear as shown in Figure M46 (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 M48.

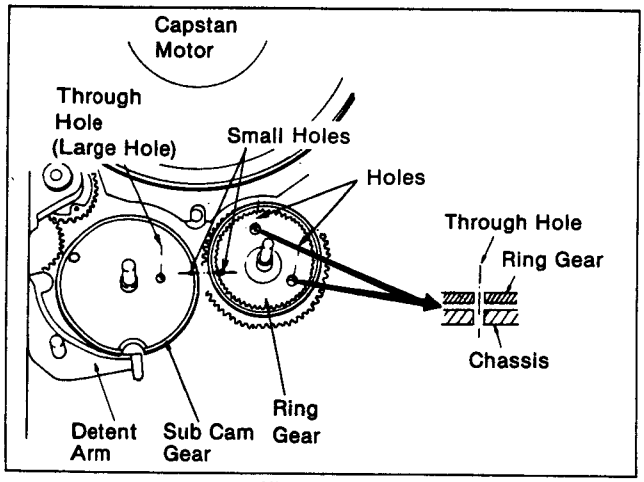


Figure M48

4-4-3. ASSEMBLY PROCEDURES OF MAIN CAM GEAR AND PINCH 1 SPEED DOWN GEAR

1. Install the Main Cam Gear onto 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 M49.
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 aligns with small hole on the Pinch Speed Down Gear as shown in Figure M49.

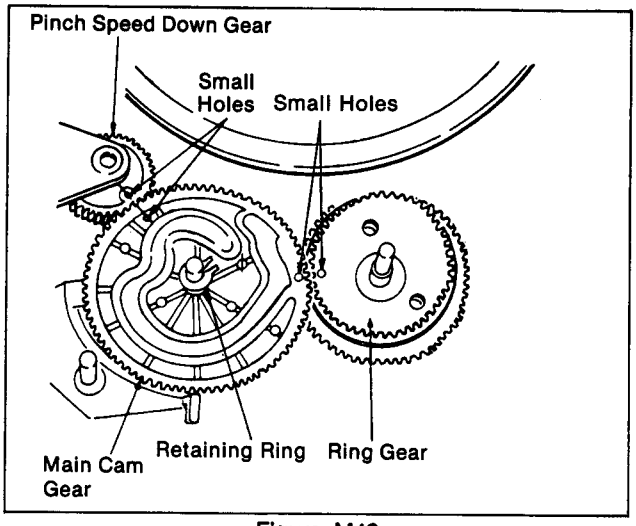


Figure M49

4-4-4. 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 M50.
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 M50.

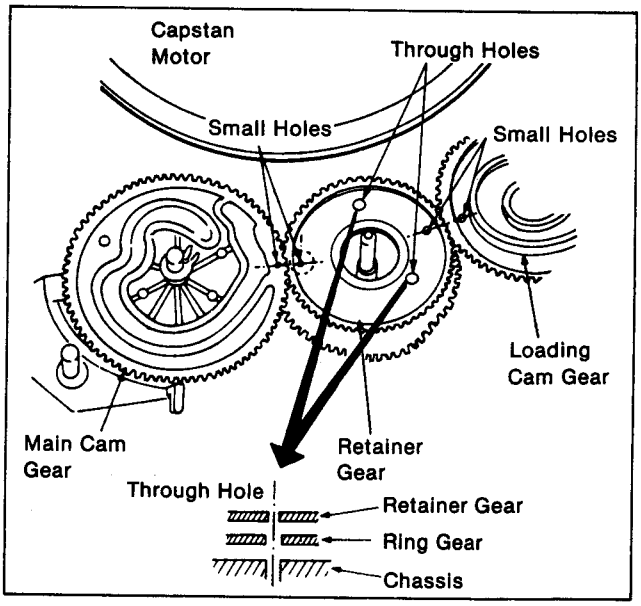


Figure M50

4-4-5. 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 M51.

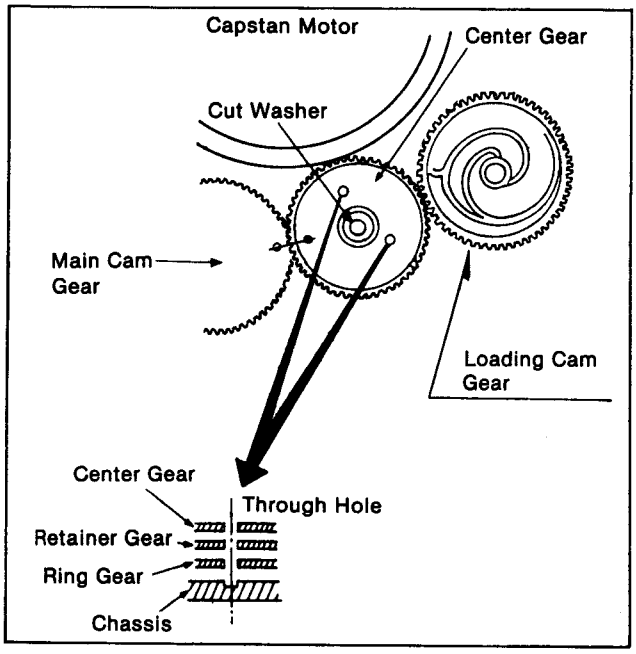


Figure M51

4-4-6. 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 M52.
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.

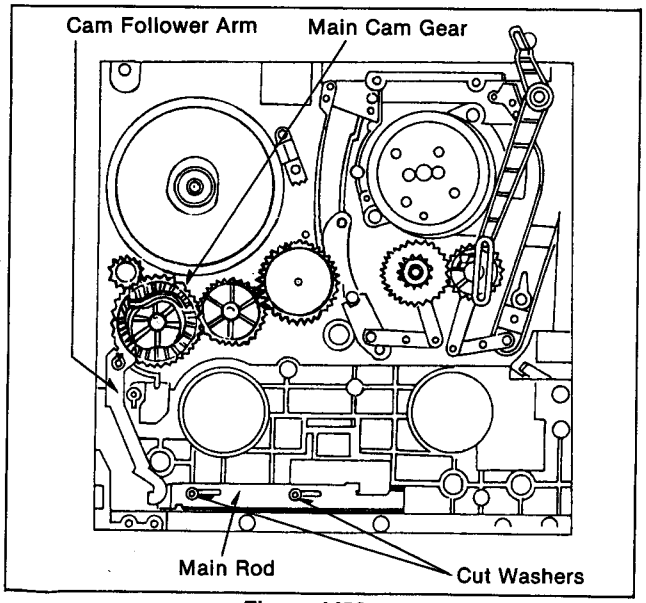


Figure M52

4-4-7. ASSEMBLY PROCEDURES OF LOADING GEAR (T) ,LOADING GEAR (S) AND 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 M53.
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 M54.

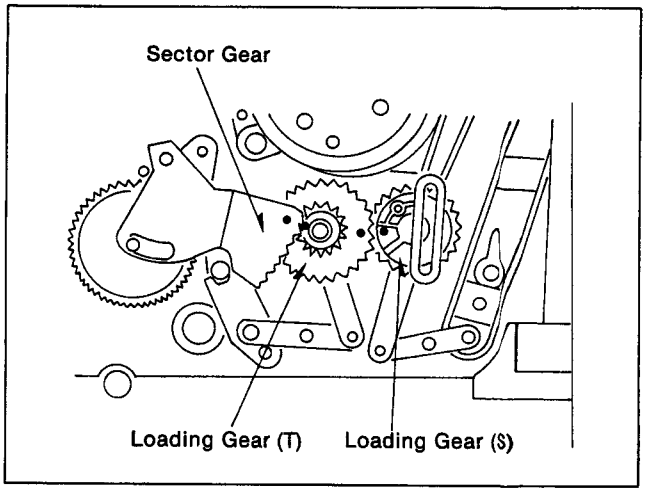


Figure M53

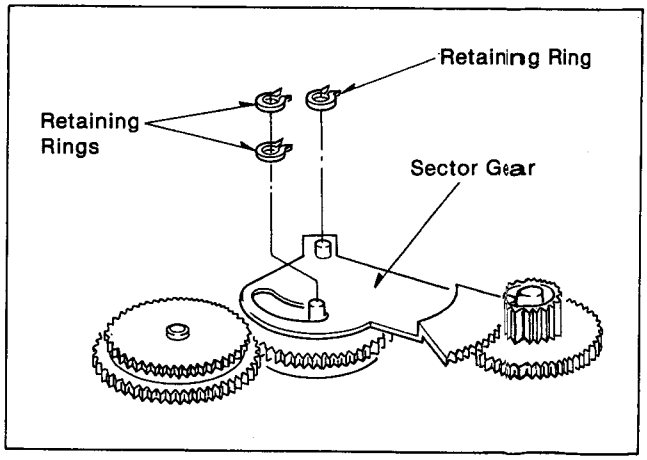


Figure M54

4-4-8. 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 M48).

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 M55.

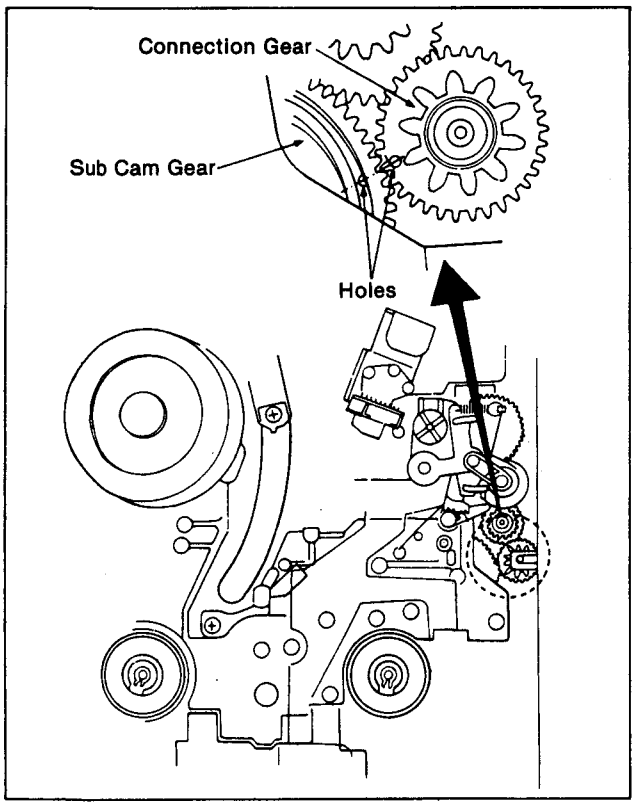


Figure M55

4-4-9. 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 M56.

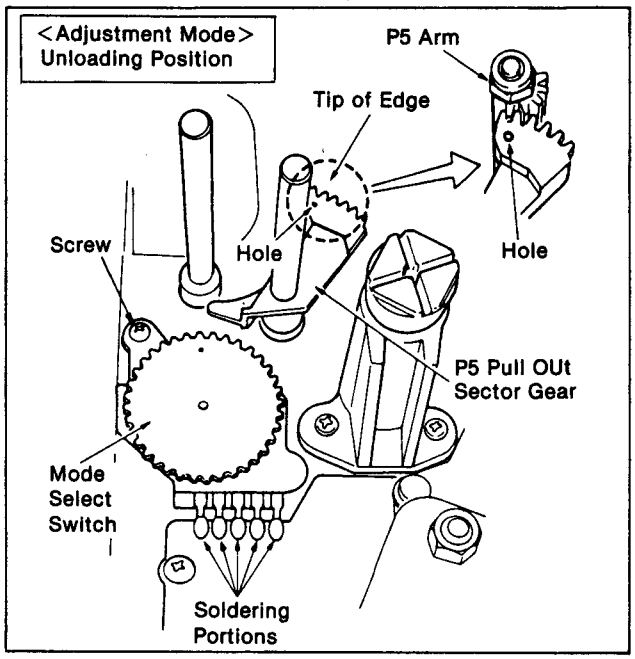


Figure M56

4-4-10. 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 as shown in Figure M57.
2. Install the Pressure Roller Unit. Make sure the seats perfectly onto the Pinch Cam, then install the Pinch Cam Cap.

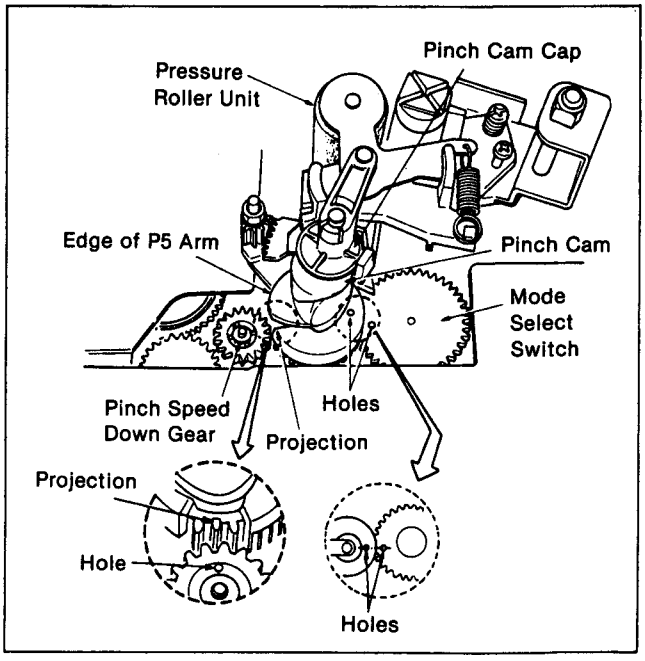


Figure M57

4-4-11. ASSEMBLY PROCEDURES OF GEAR BASE UNIT

1. Install the Gear Base Unit and screw 4 screws as shown in Figure M58.

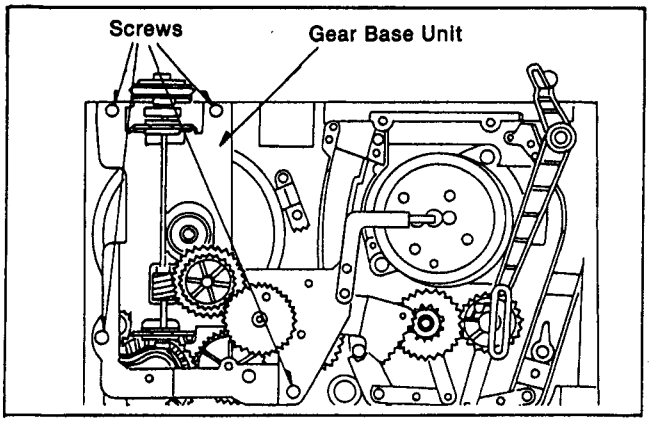


Figure M58

<<NOTE>>

The Gear Base Unit has 2 gears and wormshaft. There is no adjustment for these gears.

4-4-12. REINSTALLATION OF CASSETT 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 Wormshaft 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 M57)
   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 M55) 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 M59.

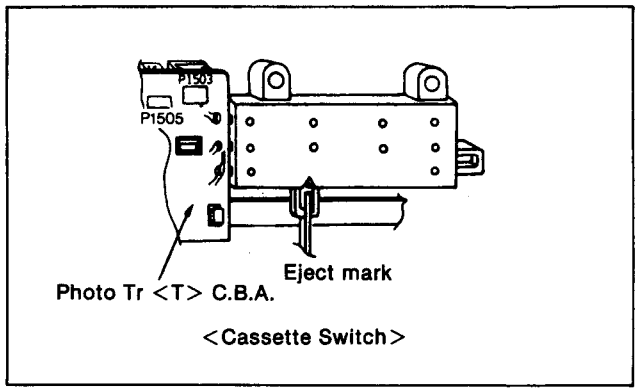


Figure M59

2. Remove 3 screws (A) as shownin Figure M60.
3. Take the top plate out.
4. Take the cassette Holder unit out as shown in Figure M61.

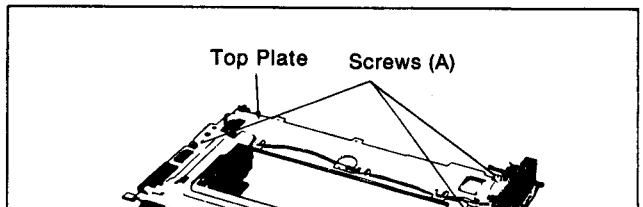


Figure M60

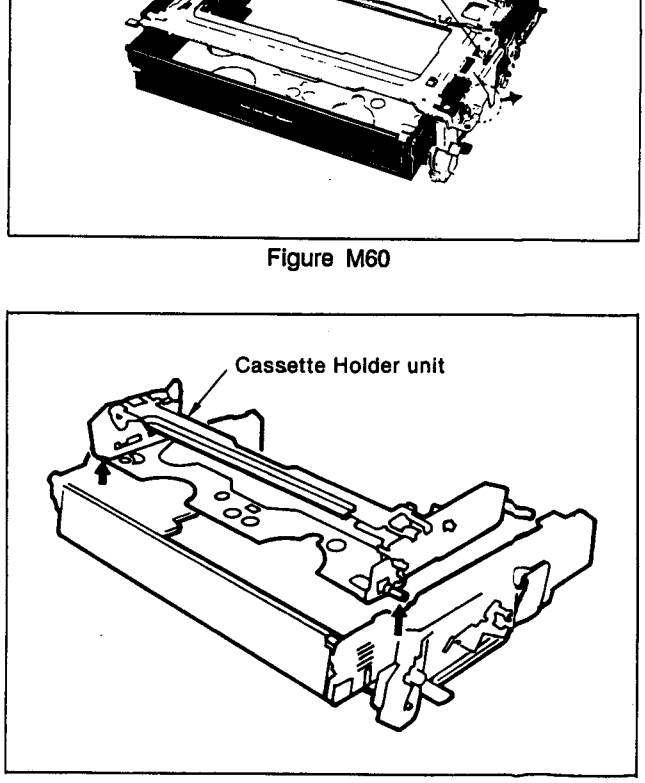


Figure M61 Removal of cassette holder unit

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) completelyas shown in Figure M62 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 M63.

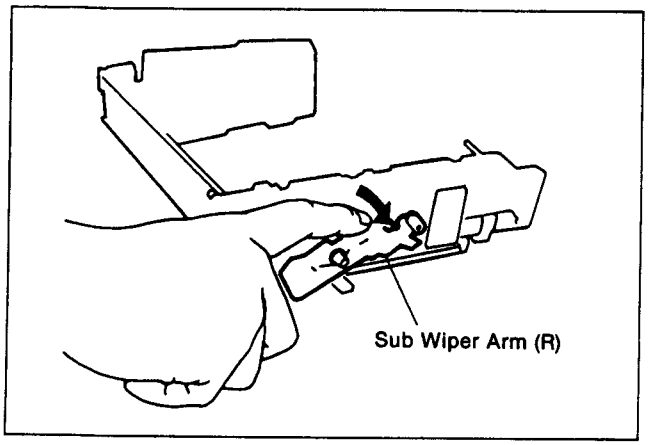


Figure M62

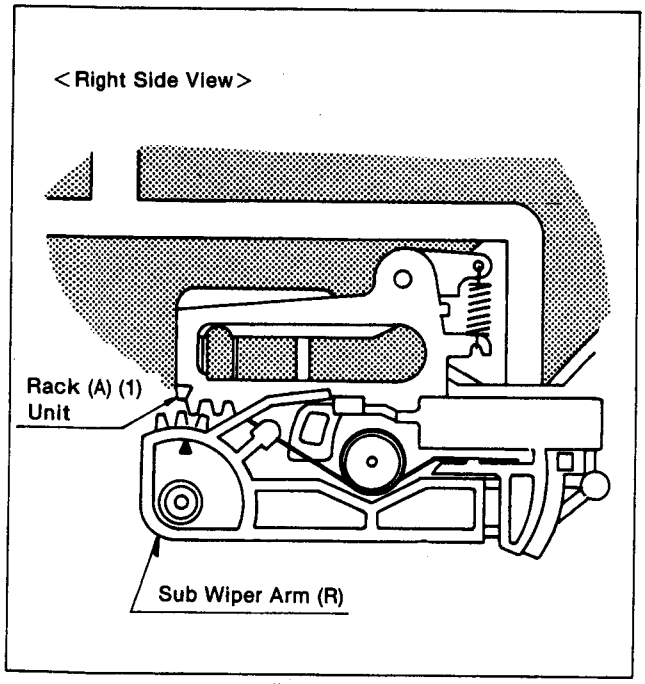


Figure M63

6. If the Cassette Compartment is not aligned, re-alignment 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 M46 and M47.
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 M64 and M65.

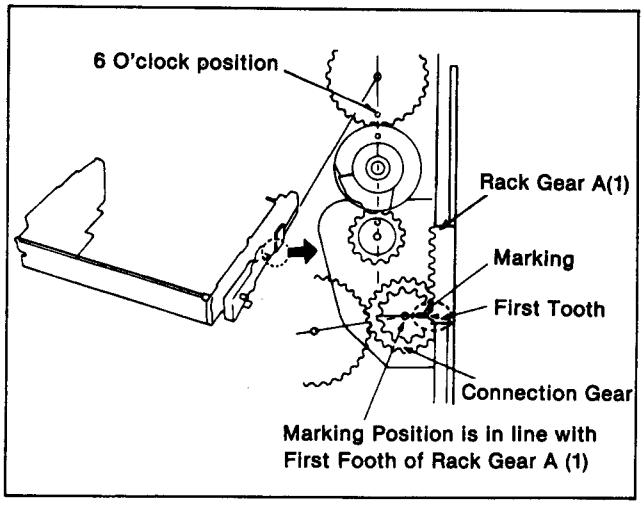


Figure M64

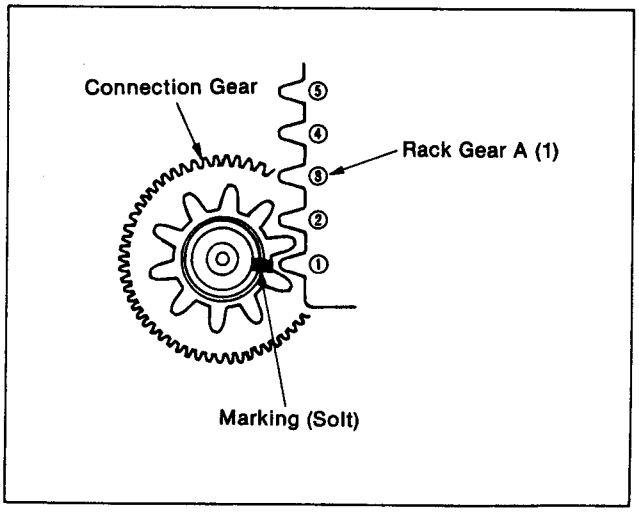


Figure M65

5. Tighten the 4 screws (D) as shown in Figure M66.

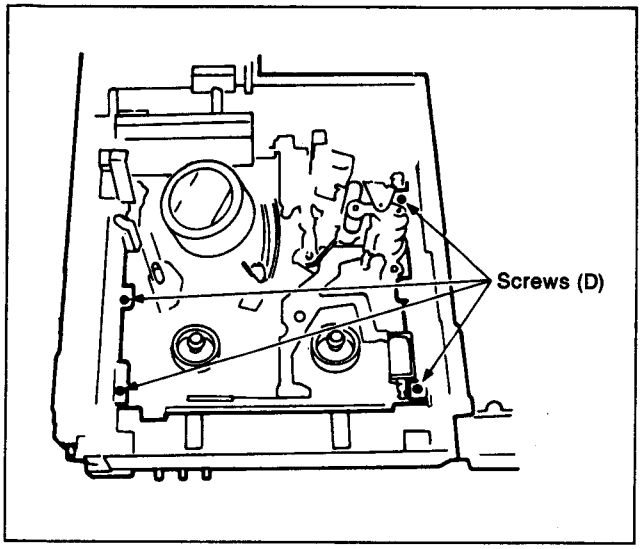


Figure M66

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 M67).
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.

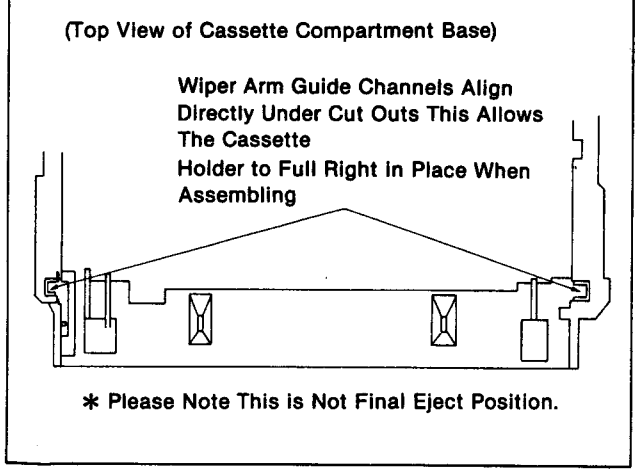


Figure M67

<<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 M68.

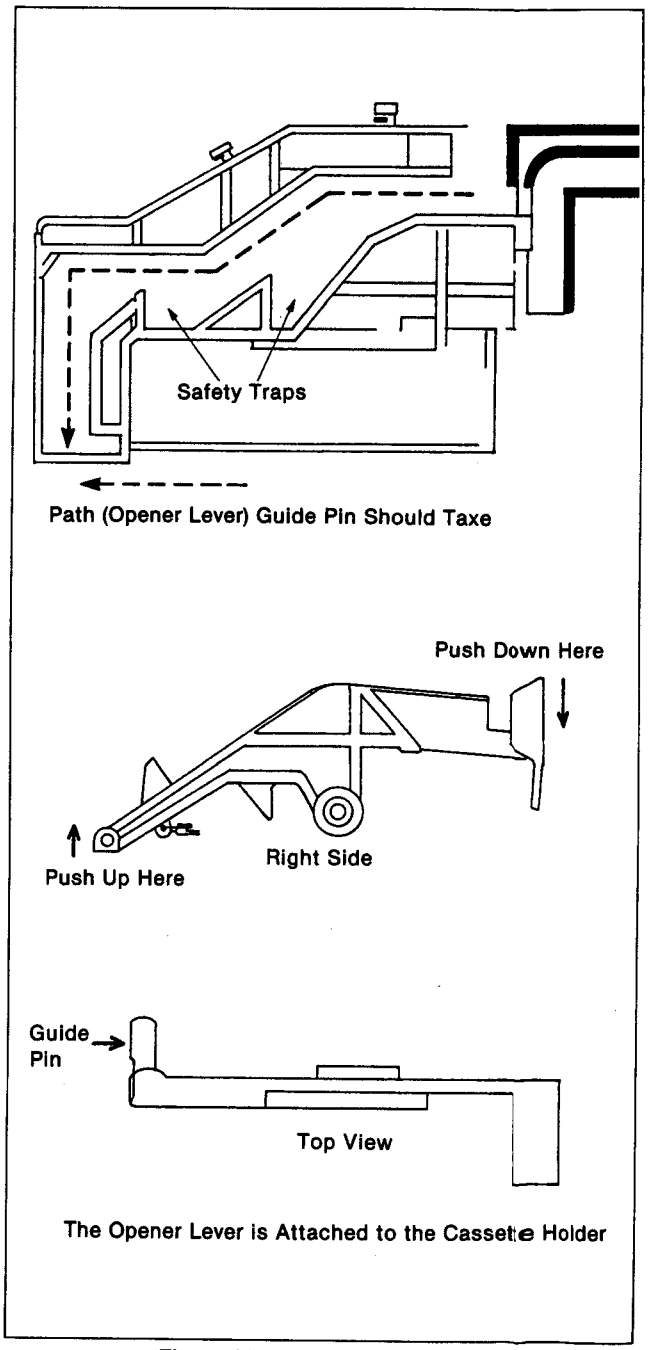


Figure M68 Right Side Plate

9. Install the top plate on the Cassette Compartment Base and tighten the 2 screws (A) as shown in Figure M60.
10. Manually confirm that front loading and main loading run smoothly. Also confirmEJECT before power is applied.

Section 5

ELECTRICAL ADJUSTMENTS

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This section provides complete electrical adjustment procedures which may be required for electrical circuits of S-VHS video cassette recorder AG-7350 and S-VHS video cassette player AG-7150.

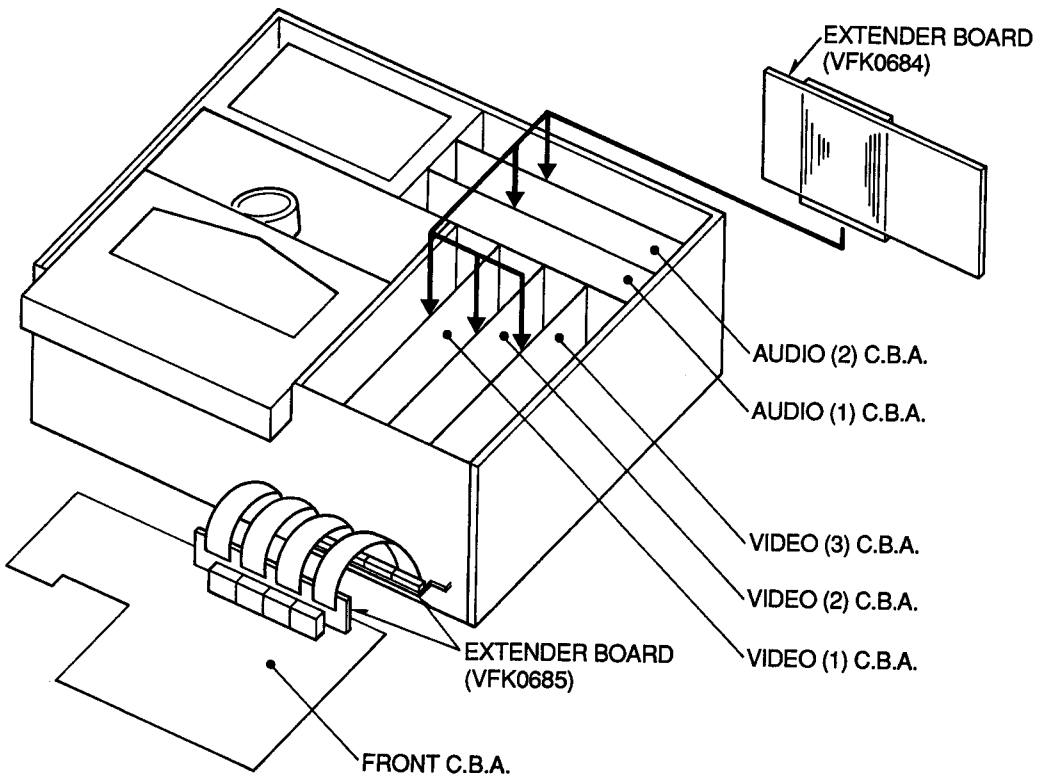
5-1. TEST EQUIPMENT

To perform the electrical adjustments completely, the following equipments are required.

1. VTVM (Vacuum Tube Volt Meter) or DVM (Digital Volt Meter)
   Voltage range : 0.001 to 50V
2. Dual-Trace Oscilloscope
   Voltage Range : 0.005 to 50V/div
   Frequency Range : DC to 400MHz
   Probes : 10 : 1 and 1 : 1
3. Frequency Counter
   Frequency Range : 0 to 10MHz
4. Signal Generator (Sinewave)
   Frequency Range : 0 to 500KHz
5. Video Sweep Generator
   Frequency Range : 0 to 10MHz
6. Composite Signal Generator
   Output : Colour Bar, Multi Burst, Sin 2T Pulse & Bar etc ...
7. Spectrum Analyzer
8. Colour Monitor TV
9. VHS Alignment Tape (VFM8180HADH)
10. S-VHS Blank Tape
11. VHS Blank Tape
12. Extender (VFK0684) for Mother board checking
13. Extender (VFK0685) for Front board checking

5-2. SERVICE INFORMATION

5-2-1. How to use the extender boards (VFK0684, VFK0685)



5-3. ADJUSTMENT PROCEDURE

5–3–1. How to read the adjustment procedures

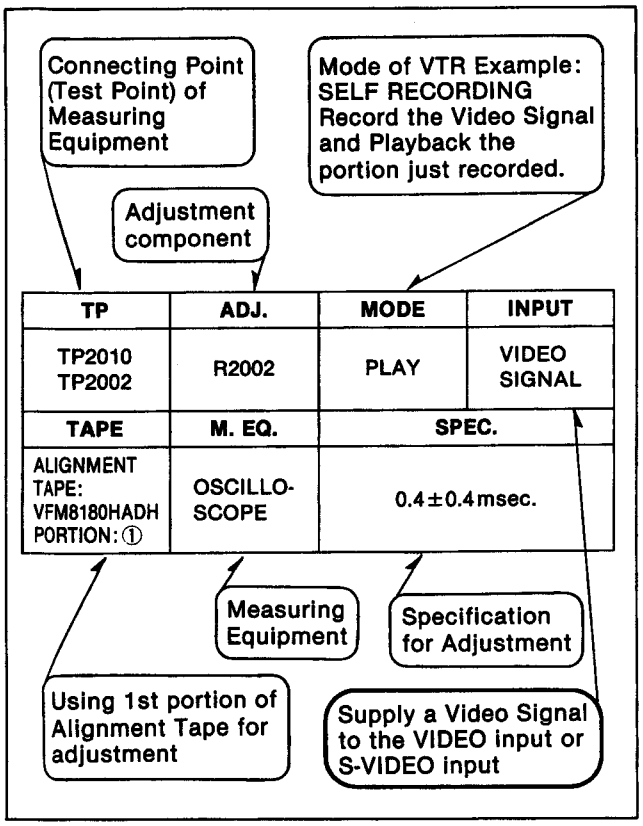


Figure E1

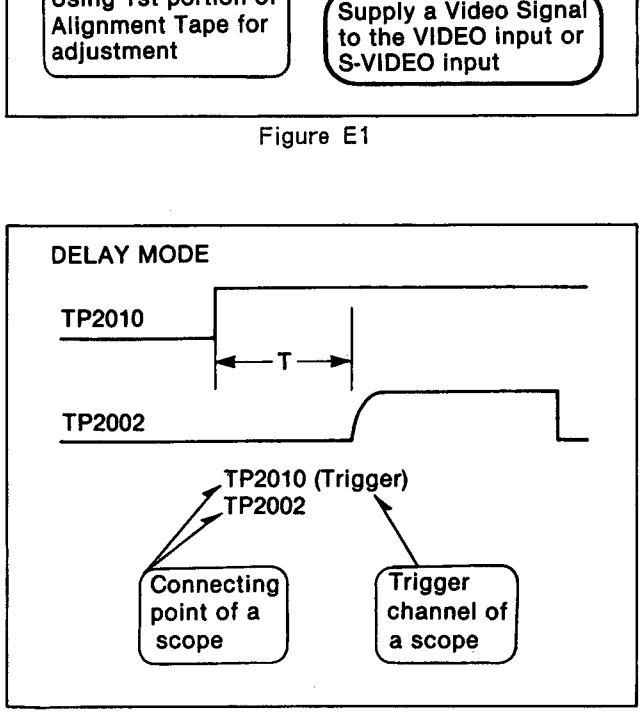


Figure E2

5–3–2. Standard set–up conditions

Unless otherwise specified, the selection switches and on–screen mode should be set as the following conditions.

Note : Unless otherwise specified, all adjustments are effective for both AG–7350 and AG–7150.

1. Normal/Hi–Fi Audio Input level VRs (CH1/CH2) ... Centre Fix position
2. S–VHS Select ... ON position (On–Screen setting)
3. Tracking Control VR ... Centre Fix position
4. Slow Tracking VR ... Centre Fix position
5. Video Mode ... Auto mode (On–Screen setting)
6. Norm/Hi–Fi SW ... Norm mode
7. Dolby NR ... OFF mode (On–Screen setting)
8. TV System...PAL position.

Note: Video signal should be supplied from the BNC video input connector (not S–VIDEO input connector), if there is not mention of input in the INPUT column.

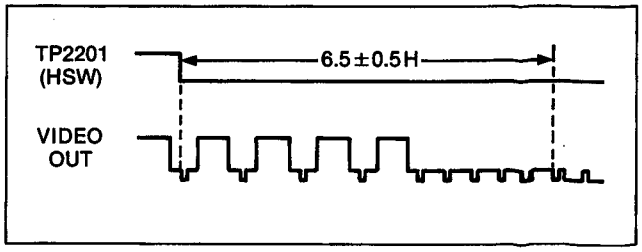
SERVO SECTION

5–3–3. PAL PG SHIFTER ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP2201 (H. SW) VIDEO OUT	VR2203	PAL PLAY	
TAPE	**M. EQ.**	**SPEC.**	
VFM8180HADH PORTION: ②	OSCILLO-SCOPE	6.5H±0.5H	

Note: Tape interchangeability adjustment should be always completed before this adjustment.

1. Set the TV system switch to the PAL position.
2. Play back the PAL alignment tape at the portion 2.
3. Connect the oscilloscope to the video output for CH–1 and TP2201 for CH–2.
4. Adjust VR2203 for 6.5H +/–0.5H as shown in Figure E3.



Figu re E3.

5. Change the triggering slope of the oscilloscope form "–" to "+" side, and confirm that the difference between the rising and falling edges become less than 20 usec.

5-3-4. NTSC PG SHIFTER ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP2201 VIDEO OUT	VR2203	NTSC PLAY	
TAPE	M. EQ.	SPEC.	
VFM8080HQFP PORTION: ②	OSCILLO-SCOPE	6.5H±0.5H	

Note : Tape interchangeability adjustment should be always completed before this adjustment.

1. Set the TV system switch to the NTSC position.
2. Play back the NTSC alignment tape at the portion 2.
3. Connect the oscilloscope to the video output for CH1 and TP2201 for CH2.
4. Adjust VR2203 for 6.5H +/- 0.5H as shown in Figure E4.
5. Change the triggering slope of the oscilloscope from "-" to "+" sided, and confirm that the difference between the rising and falling edges become less than 20 usec.

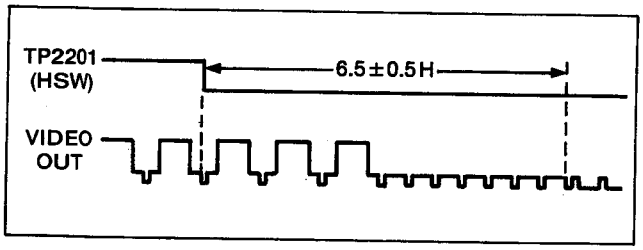


Figure E4

5-3-5. TRACKING FIX ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP2201 (H. SW) TP2202 (CTL)	VR2207	PAL PLAY	
TAPE	M. EQ.	SPEC.	
VFM8180HADH PORTION: ②	OSCILLO-SCOPE	T=0.4±0.4msec	

Note: Tape interchangeability adjustment should be always completed before this adjustment.

1. Play back the alignment tape at the portion 2.
2. Connect the oscilloscope to TP2201 for CH-1 and TP2202 for CH-2.
3. Adjust VR2207 for 0.4 +/-0.4msec as shown in Figure E5.

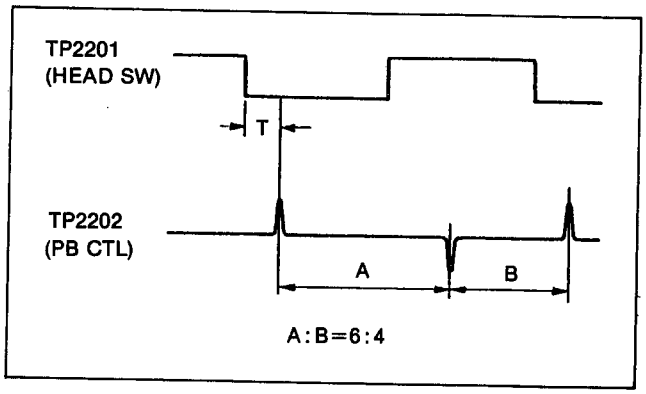


Figure E5

5-3-6. SLOW FREE RUN ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP2203	VR2208	PAL SLOW	
TAPE	M. EQ.	SPEC.	
VFM8180HADH PORTION: ②	FREQ COUNTER	f=458Hz±10Hz	

1. Play back the alignment tape at the portion 2 and place the unit in slow mode.
2. Connect the jumper wire between TP2204 and GND.
3. Connect the frequency counter to TP2203.
4. Adjust VR2208 so that the reading of frequency counter is 458Hz +/-10Hz.
5. After this adjustment, remove the jumper wire from TP2204 and GND.

5-3-7. FORWARD SLOW TRACKING ADJUSTMENT · (FOR AG-7350)

TP	ADJ.	MODE	INPUT
TP2201 (H. SW) TP3004	VR2205	PAL SLOW PLAY	MONOSCOPE
TAPE	M. EQ.	SPEC.	
SELF RECORDED TAPE	OSCILLO-SCOPE	ENVELOPE LEVEL: A=B	

1. Record a monoscope signal for a few minute and play back the just recorded portion in the slow mode.
2. Connect the oscilloscope to TP3004 for CH-1 (which triggered with H.SW signal).
3. Adjust VR2205 so that the RF envelope becomes the same level between A and B portions as shown in Figure E6.

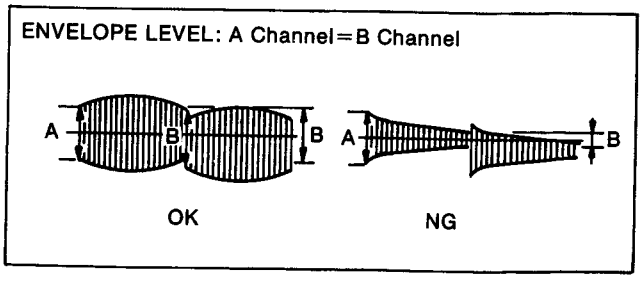


Figure E6

5-3-8. FORWARD SLOW TRACKING ADJUSTMENT (FOR AG-7150)

TP	ADJ.	MODE	INPUT
TP2201 (H. SW) TP3004	VR2205	PAL SLOW	
TAPE	**M. EQ.**	**SPEC.**	
MONOSCOPE RECORDED TAPE	OSCILLO-SCOPE	ENVELOPE LEVEL: A=B	

1. Prepare the prerecorded tape which recorded a monoscope signal on another recorder such as AG-7350.
2. Play back the monoscope signal in the slow mode.
3. Connect the oscilloscope to TP3004 for CH-1 (which triggered with H.SW signal).
4. Adjust VR2205 so that the RF envelope becomes the same level between A and B portions as shown in Figure E7.

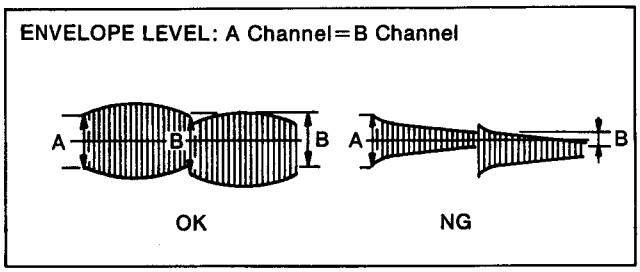


Figure E7

5-3-9. REVERSE SLOW TRACKING ADJUSTMENT (FOR AG-7350)

TP	ADJ.	MODE	INPUT
TP2201 (H. SW) TP3004	VR2206	PLA REVERSE SLOW	MONOSCOPE
TAPE	**M. EQ.**	**SPEC.**	
SELF RECORDED TAPE	OSCILLO-SCOPE	ENVELOPE LEVEL: A=B	

1. Record a monoscope signal for a few minute and play back the just recorded portion in the reverse slow mode.
2. Connect the oscilloscope to TP3004 for CH-1 (which triggered with H.SW signal).
3. Adjust VR2206 so that the RF envelope becomes the same level between A and B portions as shown in Figure E8.

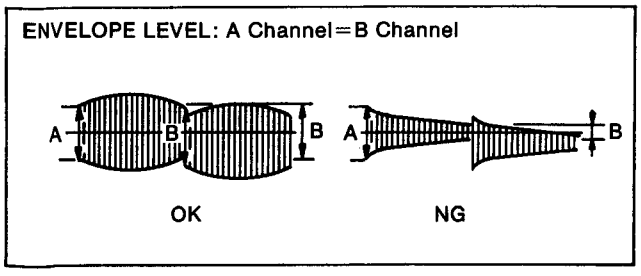


Figure E8

5-3-10. REVERSE SLOW TRACKING ADJUSTMENT (FOR AG-7150)

TP	ADJ.	MODE	INPUT
TP2201 (H. SW) TP3004	VR2206	PAL REVERSE SLOW	
TAPE	**M. EQ.**	**SPEC.**	
MONOSCOPE RECORDED TAPE	OSCILLO-SCOPE	ENVELOPE LEVEL: A=B	

1. Prepare the prerecorded tape which recorded the monoscope signal on another recorder such as AG-7350.
2. Play back the monoscope signal in the reverse slow mode.
3. Connect the oscilloscope to TP3004 for CH-1 (which triggered with H.SW signal).
4. Adjust VR2206 so that the RF envelope becomes the same level between A and B portions as shown in Figure E9.

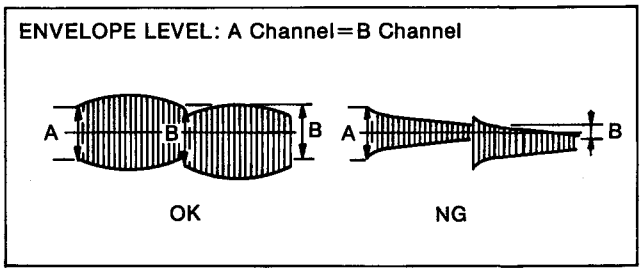


Figure E9

5-3-11. PAL V-LOCK ADJUSTMENT

TP	ADJ.	MODE	INPUT
MONITOR SCREEN	VR2202	PAL STILL	
TAPE	**M. EQ.**	**SPEC.**	
VFM8180HADH PORTION: 2	TV MONITOR	NO V-DANCING	

1. Play back the PAL alignment tape at the portion 2 in the still mode.
2. Adjust VR2202 so that the V-Dancing does not appear on the monitor screen.
3. Confirm that the no V-dancing is appeared on the monitor screen while slowly turning Jog dial on the front panel after completing this adjustment.

5-3-12. NTSC V-LOCK ADJUSTMENT

TP	ADJ.	MODE	INPUT
MONITOR SCREEN	VR2202	NTSC STILL	MONOSCOPE
TAPE	M. EQ.	SPEC.	
VFM8080HQFP PORTION: ②	TV MONITOR	NO V-DANCING	

1. Play back the NTSC alignment tape at the portion 2 in the still mode.
2. Adjust VR2204 so that the V-dancing does not appear on the monitor screen.
3. Confirm that the no V-dancing is appeared on the monitor screen while slowly turning Jog dial on the front panel after completing this adjustment.

VIDEO SECTION

5-3-13. AGC LEVEL ADJUSTMENT (FOR AG-7350)

TP	ADJ.	MODE	INPUT
VIDEO OUT 1	VR3501	STOP	COLOUR BAR
TAPE	M. EQ.	SPEC.	
BLANK TAPE	OSCILLO-SCOPE	1.0Vp-p±0.02V	

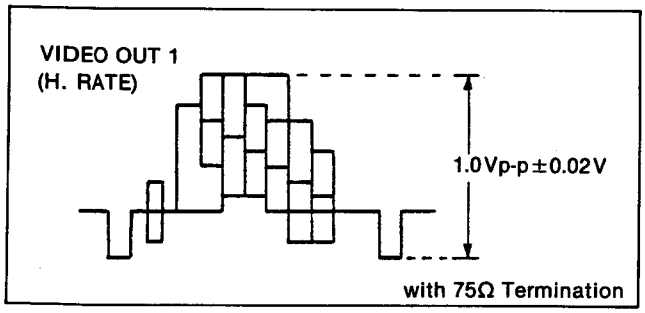


Figure E10

5-3-14. On-Screen Display H POSITION ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP3502	C3586	STOP	
TAPE	M. EQ.	SPEC.	
BLANK TAPE	TV MONITOR	DOLBY NR OFF=ON MAGENTA	

1. Supply a colour bar signal to the video input connector.
2. Place the unit in the E-E mode and push the "screen display" button to monitor the colour bar with on-screen characters.
3. Adjust C3586 so that the character of "OFF" for DOLBY NR is positioned as shown in Figure E11.

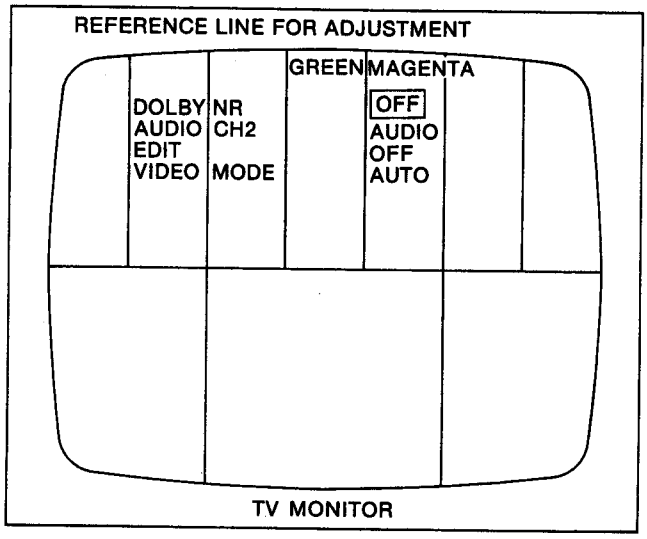


Figure E11

5-3-15. VHS DEVIATION ADJUSTMENT (FOR AG-7350)

TP	ADJ.	MODE	INPUT
TP3003	VR8004	PAL VHS RECORDING	COLOUR BAR
TAPE	M. EQ.	SPEC.	
BLANK TAPE	OSCILLO-SCOPE	INNERBEAT IS MINIMUM AS POSSIBLE	

1. Supply a colour bar signal to the video input on the rear panel.
2. Set the signal generator (sine wave) frequency and output as follows and supply it to TP3006.

   Frequency : 3.8MHz +/-0.05MHz
   Output : 50mVp-p - 100mVp-p

3. Connect the oscilloscope to TP3006.
4. Place the unit in the recording mode.
5. Adjust VR8004 so that the inner beat at the white portion of the colour bar becomes minimum as posible as shown in Figure E12.

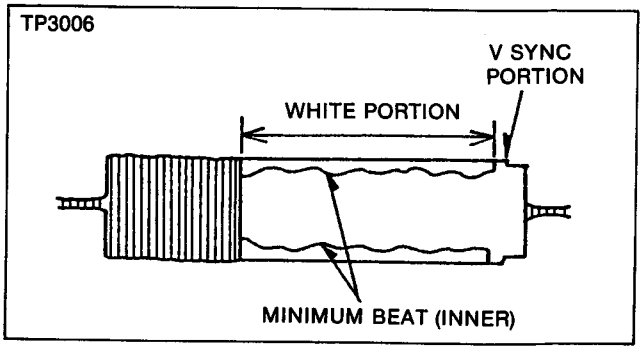


Figure E12

5-3-16. S-VHS DEVIATION ADJUSTMENT (FOR AG-7350)

TP	ADJ.	MODE	INPUT
TP3003	VR3003	PAL S-VHS RECORDING	COLOUR BAR
TAPE	**M. EQ.**	**SPEC.**	
S-VHS BLANK TAPE	OSCILLO-SCOPE	INNERBEAT IS MINIMUM AS POSSIBLE	

Note: This adjustment should be always completed after completing the VHS Deviation adjustment.

1. Set the unit in the S-VHS mode.
2. Supply a colour bar signal to the video input on the rear panel.
3. Connect the signal generator (Sine wave) to TP3006 and set the frequency and output level as follows.

   Frequency : 5.4MHz+/-0.05MHz
   Output : 50mVp-p - 100mVp-p

4. Connect the oscilloscope to TP3006.
5. Place the unit in the recording mode.
6. Adjust VR3003 so that the inner beat at white portion of the colour bar becomes minimum as possible as shown in Figure E13.

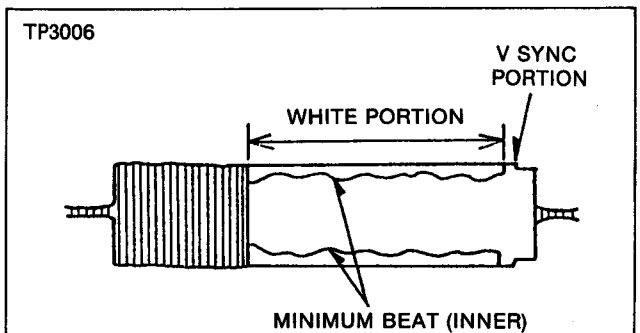


Figure E13

5-3-17. YNR BALANCE ADJUSTMENT (FOR AG-7350)

TP	ADJ.	MODE	INPUT
TP8003	VR8003	PAL STOP	COLOUR BAR
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	OSCILLO-SCOPE	LESS THAN 50mVp-p	

1. Supply a colour bar signal to the video input on the rear panel.
2. Connect the oscilloscope to TP8003.
3. Adjust VR8003 so that the waveform becomes minimum as possible (less than 50mVp-p) as shown in Figure E14.

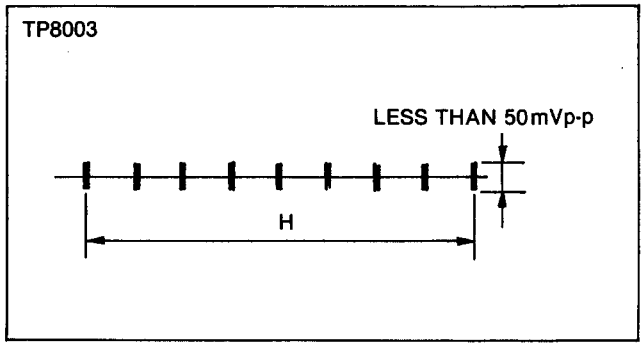


Figure E14

5-3-18 YNR BALANCE ADJUSTMENT (FOR AG-7150)

TP	ADJ.	MODE	INPUT
TP8003	VR8003	PAL PLAY	
TAPE	**M. EQ.**	**SPEC.**	
COLOUR BAR RECORDED S-VHS TAPE	OSCILLO-SCOPE	LESS THAN 50mVp-p	

1. Prepare the prerecorded S-VHS tape which recorded a colour bar on another recorder such as AG-7350.
2. Play back the colour bar signal.
3. Connect the oscilloscope to TP8003.
4. Adjust VR8003 so that the carrier leakage is minimized (less than 50mVp-p) as shown in Figure E15.

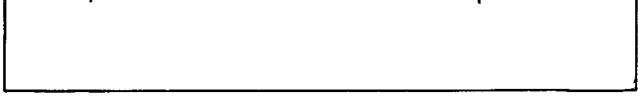


Figure E15

5-3-19. S-VHS RECORDING CURRENT ADJUSTMENT (FOR AG-7350)

TP	ADJ.	MODE	INPUT
TP5003 (HOT) TP5002 (GND)	VR5002 (C) VR5001 (Y)	PAL S-VHS RECORDING	COLOUR BAR
TAPE	**M. EQ.**	**SPEC.**	
S-VHS BLANK TAPE	OSCILLO-SCOPE	35mVp-p±2mV (C) 150mVp-p±10mV (Y)	

1. Supply a colour bar signal to the video input.
2. Place the unit in the S-VHS recording mode.
3. Connect the oscilloscope to TP5003 (HOT) and TP5002 (GND).
4. Before the chrominance recording current adjustment, the luminance recording current (VR5001) should be closed to observe the chrominance signal.
   (In another way, the luminance current can be closed by making the short circuit between TP3007 and TP3006)
5. Adjust VR5002 so that the cyan level is 35 +/- 2mVp-p as shown in Figure E16.

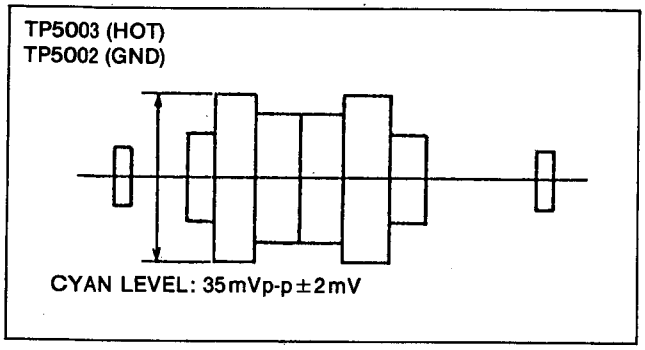


Figure E16

6. Next, adjust VR5001 so that the luminance signal level is 150 +/- 10mVp-p as shown in Figure E17.

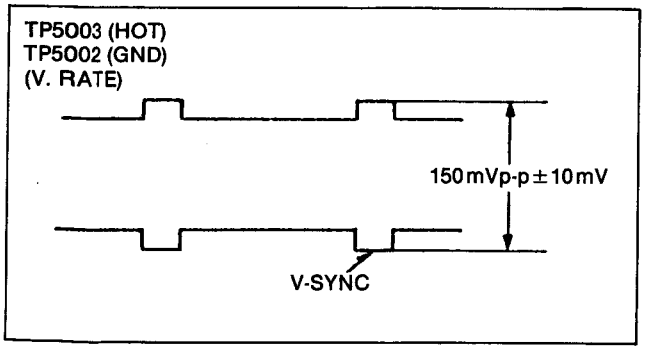


Figure E17

5-3-20. VHS Y RECORDING CURRENT ADJUSTMENT (FOR AG-7350)

TP	ADJ.	MODE	INPUT
TP5003 (HOT) TP5002 (GND)	VR3002	PAL VHS RECORDING	COLOUR BAR
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	OSCILLO-SCOPE	150mVp-p±10mV	

Note: This adjustment should be always completed after the S-VHS recording current adjustment.

1. Supply a colour bar signal to the video input.
2. Place the unit in the normal VHS recording mode.
3. Connect the oscilloscope to TP5003 (HOT) and TP5002 (GND).
4. Adjust VR3002 so that the luminance signal level is 150 +/- 10mVp-p as shown in Figure E18.

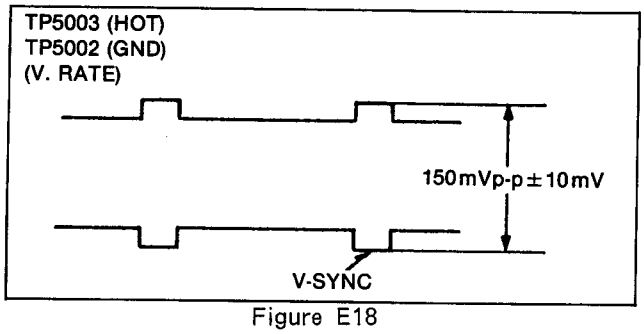


Figure E18

5-3-21. VHS Y PLAYBACK LEVEL ADJUSTMENT (FOR AG-7350)

TP	ADJ.	MODE	INPUT
VIDEO OUTPUT 1	VR3503	PAL VHS PLAY	COLOUR BAR
TAPE	**M. EQ.**	**SPEC.**	
SELFE RECORDED TAPE	OSCILLO-SCOPE	1.0Vp-p±0.02V	

Note: This adjustment should be always completed after completion of all adjustment on the recording loop.

1. Supply a colour bar signal to the video input and recording it in the normal VHS mode for a few minute.
2. Connect the oscilloscope to the video output 1 with 75ohm termination.
3. Play back the just recorded portion.
4. Adjust VR3503 for 1.0 +/-0.02Vp-p as shown in Figure E19.

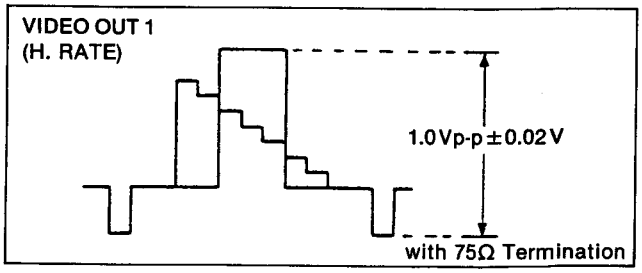


Figure E19

5-3-22. VHS Y PLAYBACK LEVEL ADJUSTMENT (FOR AG-7150)

TP	ADJ.	MODE	INPUT
VIDEO OUTPUT 1	VR3503	PAL VHS PLAY	
TAPE	M. EQ.	SPEC.	
COLOUR BAR RECORDED TAPE	OSCILLO-SCOPE	1.0Vp-p±0.02V	

1. Prepare the normal VHS prerecorded tape which recorded a colour bar signal on another set such as AG-7350.
2. Connect the oscilloscope to the video output 1 with 75ohm termination.
3. Play back the colour bar signal.
4. Adjust VR3502 for 1.0 +/- 0.02Vp-p as shown in Figure E20.

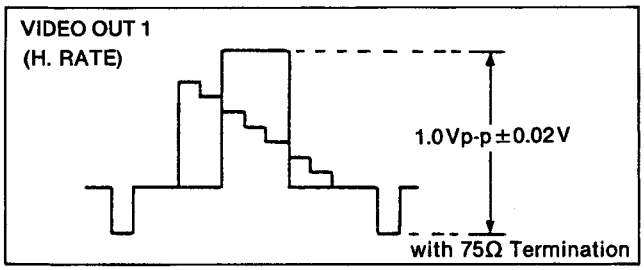


Figure E20

5-3-23. Y PLAYBACK LEVEL ADJUSTMENT (FOR AG-7350)

TP	ADJ.	MODE	INPUT
VIDEO OUT 1	VR8010	PAL PLAY	COLOUR BAR
TAPE	M. EQ.	SPEC.	
SELF RECORDED TAPE	OSCILLO-SCOPE	1.0Vp-p±0.02V	

Note: This adjustment should be always completed after the VHS Y playback level adjustment.

1. Supply a colour bar signal to the video input and record it for a few minute.
2. Play back the just recorded portion.
3. Connect the oscilloscope to the video out 1 connector with a 75 ohm termination.
4. Adjust VR8010 for 1.0 +/-0.02Vp-p as shown in Figure E21.

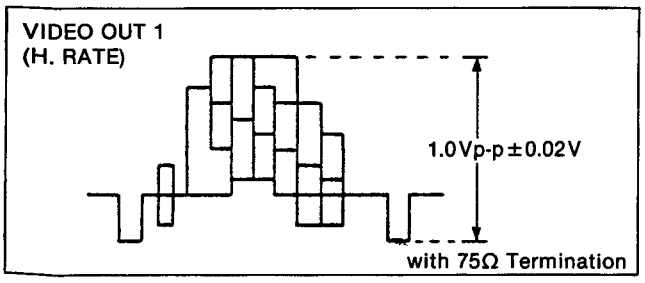


Figure E21

5-3-24. Y PLAYBACK LEVEL ADJUSTMENT (FOR AG-7150)

TP	ADJ.	MODE	INPUT
VIDEO OUT 1	VR8010	PAL PLAY	
TAPE	M. EQ.	SPEC.	
COROUR BAR RECORDED TAPE	OSCILLO-SCOPE	1.0Vp-p±0.02V	

Note: This adjustment should be always completed after the VHS Y playback level adjustment.

1. Prepare the prerecorded tape which recorded a colour bar on another recorder (AG-7350).
2. Play back the colour bar signal.
3. Connect the oscilloscope to the video output 1 connector with 75ohm termination.
4. Adjust VR8010 for 1.0Vp-p +/-0.02Vp-p as shown in Figure E22.

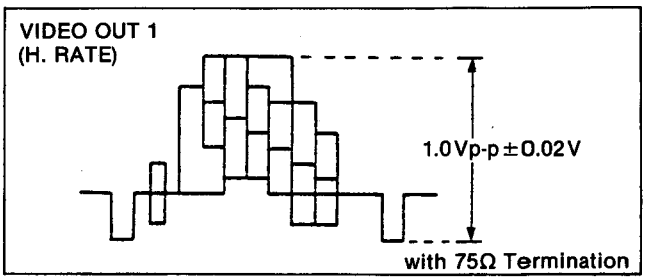


Figure E22

5-3-25. PLAYBACK SUB EMPHASIS INPUT LEVEL ADJUSTMENT (FOR AG-7350)

TP	ADJ.	MODE	INPUT
TP3005	VR3001	PAL PLAY	COLOUR BAR
TAPE	M. EQ.	SPEC.	
SELF RECORDED TAPE	OSCILLO-SCOPE	400mVp-p±10 mV	

Note: This adjustment should be always completed after completion of all adjustments on the recording loop.

1. Supply a colour bar signal to the video input and record it for a few minute.
2. Play back the just recorded portion.
3. Connect the oscilloscope to TP3005.
4. Adjust VR3001 for 400 +/-10mVp-p as shown in Figure E23.

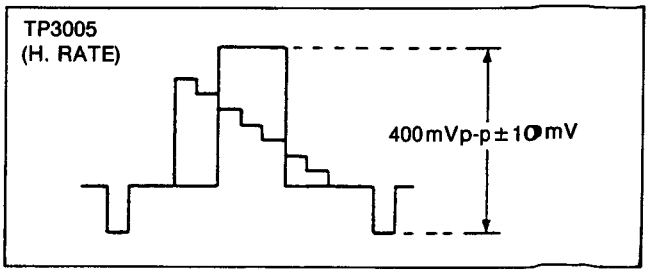


Figure E23

5-3-26. PLAYBACK SUB EMPHASIS INPUT LEVEL ADJUSTMENT (FOR AG-7150)

TP	ADJ.	MODE	INPUT
TP3005	VR3001	PAL PLAY	
TAPE	M. EQ.	SPEC.	
COLOUR BAR RECORDED TAPE	OSCILLO-SCOPE	400mVp-p±10mV	

1. Prepare the prerecorded S-VHS tape which recorded a colour bar on another recorder (AG-7350).
2. Play back the colour bar signal.
3. Connect the oscilloscope to TP3005.
4. Adjust VR3001 for 400mVp-p +/- 10mVp-p as shown in Figure E24.

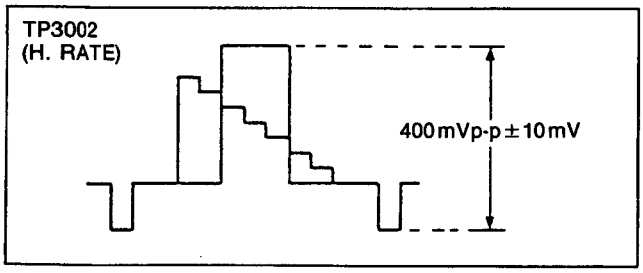


Figure E24

5-3-27. S-VHS PLAYBACK LEVEL ADJUSTMENT (FOR AG-7350)

TP	ADJ.	MODE	INPUT
VIDEO OUT 1	VR3004	PAL S-VHS PLAY	COLOUR BAR
TAPE	M. EQ.	SPEC.	
SELF RECORDED TAPE	OSCILLO-SCOPE	1.0Vp-p±0.02V	

Note: This adjustment should be always completed after the playback sub emphasis input level adjustment.

1. Supply a colour bar signal to the video input and record it for a few minute.
2. Connect the oscilloscope to the video out 1 connector with a 75 ohm termination.
3. Adjust VR3004 for 1.0 +/-0.02Vp-p as shown in Figure E25.

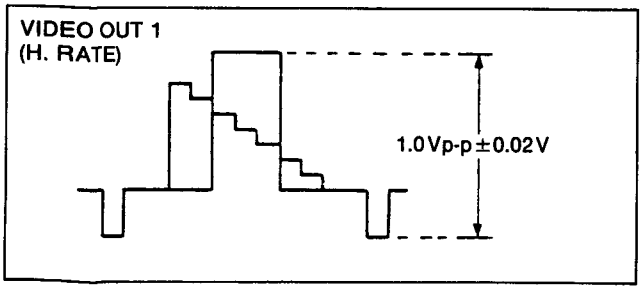


Figure E25

5-3-28. S-VHS PLAYBACK LEVEL ADJUSTMENT (FOR AG-7150)

TP	ADJ.	MODE	INPUT
VIDEO OUT 1	VR3004	PAL S-VHS PLAY	
TAPE	M. EQ.	SPEC.	
COLOUR BAR RECORDED TAPE	OSCILLO-SCOPE	1.0Vp-p±0.02V	

Note: This adjustment should be always completed after the playback sub emphasis input level adjustment.

1. Prepare the prerecorded S-VHS tape which recorded a colour bar on another recorder (AG-7350).
2. Play back the colour bar signal.
3. Connect the oscilloscope to the video output 1 connector with a 75 ohm termination.
4. Adjust VR3004 for 1.0 +/-0.02Vp-p as shown in Figure E26.

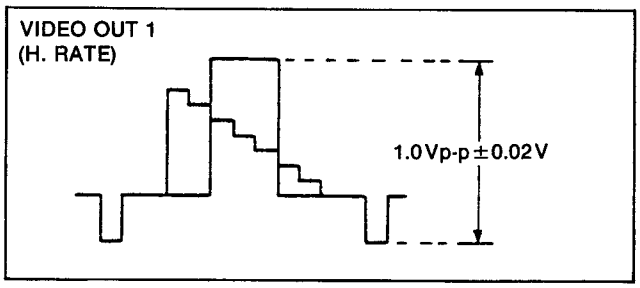
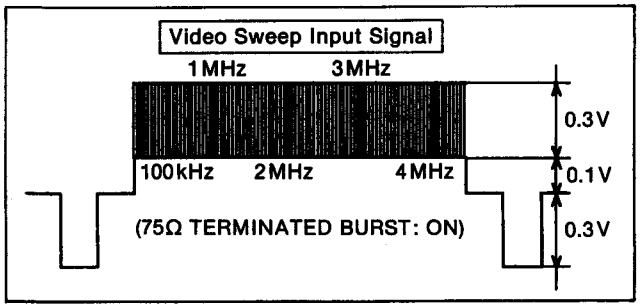


Figure E26

5-3-29. VHS PLAYBACK FREQUENCY RESPONSE ADJUSTMENT (FOR AG-7350)

TP	ADJ.	MODE	INPUT
VIDEO OUT 1	VR3005	PAL VHS PLAY	30% SWEEP WITHOUT BURST
TAPE	**M. EQ.**	**SPEC.**	
SELF RECORDED TAPE	OSCILLO-SCOPE	100kHz: 2MHz=5: 5±0.5	

1. Set the video mode to the "B/W" mode on the on-screen setting menu.
2. Set the sweep generator output as shown in Figure E27.



Figu re E27

3. Supply the 30% sweep signal without burst signal to the video input and record it for a few minute.
4. Play back the just recorded portion.
5. Connect the oscilloscope to the video out 1 connector.
6. Adjust VR3005 so that the playback frequency response becomes the ratio of 100 : 100 +/-10 at the marker points of 100kHz and 2MHz as shown in Figure E28.

Figure E28

5-3-30. VHS PLAYBACK FREQUENCY RESPONSE ADJUSTMENT (FOR AG-7150)

TP	ADJ.	MODE	INPUT
VIDEO OUT 1	VR3005	PAL VHS PLAY	
TAPE	**M. EQ.**	**SPEC.**	
30% SWEEP RECORDED TAPE	OSCILLO-SCOPE	100kHz: 2MHz=100: 100±15	

1. Prepare the prerecorded tape which recorded a 30% sweep with burst signal on another recorder (AG-7350) referring Figure E28.
2. Play back the just recorded portion.
3. Connect the oscilloscope to video out 1.
4. Adjust VR3005 so that the playback frequency response becomes the ratio of 100 : 100 +/- 10 at the marker points of 100kHz and 2MHz as shown in Figure E29.

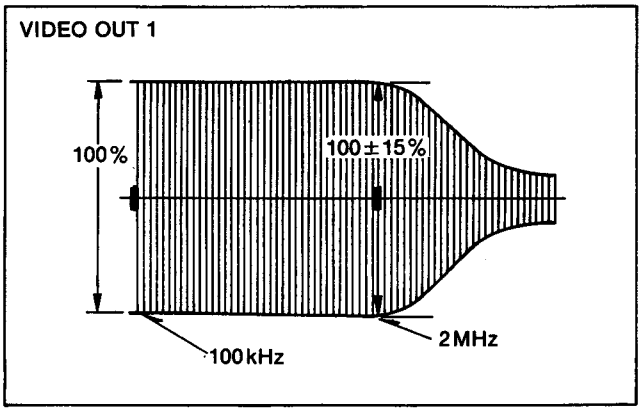


Figure E29

5-3-31. S-VHS PLAYBACK FREQUENCY RESPONSE ADJUSTMENT (FOR AG-7350)

TP	ADJ.	MODE	INPUT
VIDEO OUT 1	VR3007	PAL S-VHS PLAY	30% SWEEP WITHOUT BURST
TAPE	M. EQ.	SPEC.	
SELF RECORDED TAPE	OSCILLO-SCOPE	100kHz: 4MHz=100: 60±10	

1. Set the video mode to the "B/W" mode on the On-Screen setting menu.
2. Set the sweep generator output as shown in Figure E30.
3. Supply the 30% sweep signal with burst signal to the video input and record it for a few minute.
4. Play back the just recorded portion.
5. Connect the oscilloscope to the video out 1.
6. Adjust VR3007 so that the playback frequency response becomes the ratio of 100 : 60 +/-10 at the marker points of 100kHz and 4MHz as shown in Figure E31.

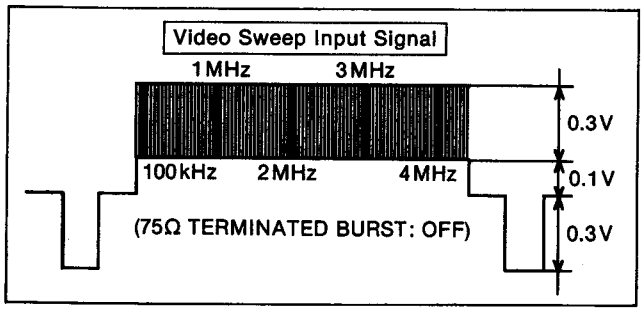


Figure E30

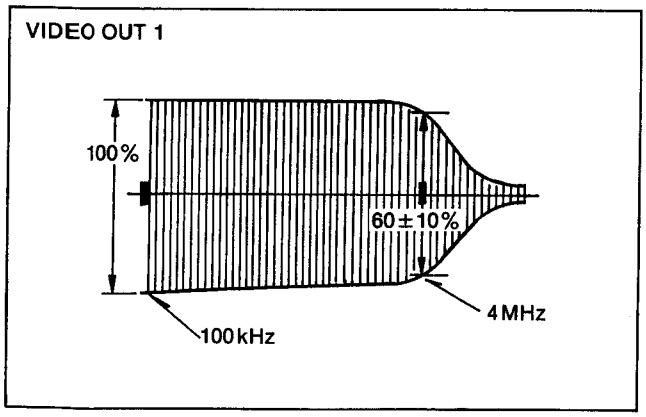


Figure E31

5-3-32. S-VHS PLAYBACK FREQUENCY RESPONSE ADJUSTMENT (FOR AG-7150)

TP	ADJ.	MODE	INPUT
VIDEO OUT 1	VR3007	PAL S-VHS PLAY	
TAPE	M. EQ.	SPEC.	
30% SWEEP RECORDED S-VHS TAPE	OSCILLO-SCOPE	100kHz: 4MHz=100: 60±15	

1. Set the video mode to the "B/W" mode on the On-Screen setting menu.
2. Prepare the prerecorded S-VHS tape which recorded the sweep without burst signal on another recorder (AG-7350) as shown in Figure E28.
3. Play back the recorded tape.
4. Connect the oscilloscope to the video out 1 connector.
5. Adjust VR3007 so that the playback frequency response becomes the ratio of 100 : 60 +/- 15 at the marker points of 100KHz and 4MHz as shown in Figure E32.

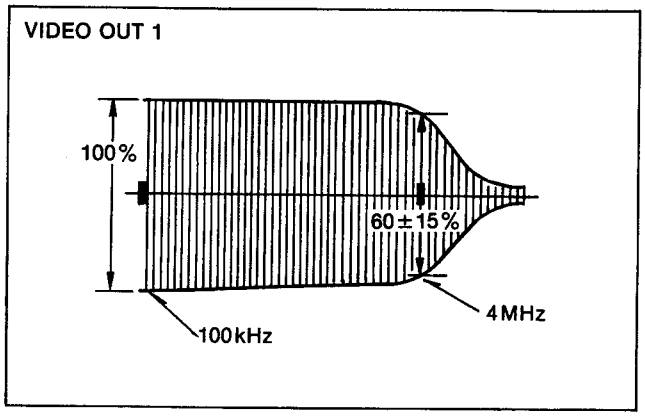


Figure E32

5-3-33. TRACKING LEVEL ADJUSTMENT (FOR AG-7350)

TP	ADJ.	MODE	INPUT
TRACKING METER	VR3008	PAL PLAY	COLOUR BAR
TAPE	M. EQ.	SPEC.	
SELF RECORDED		0dB±0.5dB	

Note: Make sure that the tracking volume is set to thr centre fix position.

1. Supply a colour bar signal to video input and record it for a few minute.
2. Play back the just recorded portion.
3. Adjust VR3008 so that the tracking meter indicates 0dB +/-0.5dB as shown in Figure E33.

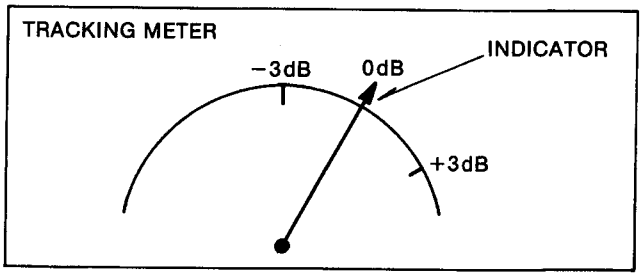


Figure E33

5-3-34. S-VHS SUPER LIMITER ADJUSTMENT (FOR AG-7350)

TP	ADJ.	MODE	INPUT
TP3006	VR3006	PAL S-VHS STOP	SINEWAVE (7MHz, 200mVp-p)
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	SIGNAL GENERATOR OSCILLOSCOPE	300mVp-p±10mV	

Note: Prepare a 100MHz type oscilloscope.

1. Set the signal generator (sine-wave) to 7MHz, 200mVp-p and supply it to TP3007 on the video (1) C.B.A.
2. Connect the 100MHz type oscilloscope to TP3006.
3. Adjust VR3006 for 300 +/-10mVp-p as shown in Figure E34.

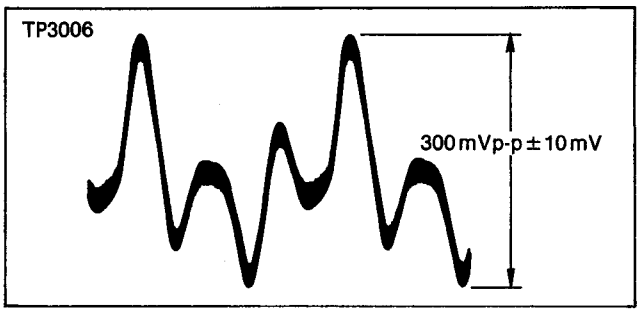


Figure E34

5-3-35. S-VHS SUPER LIMITER ADJUSTMENT (FOR AG-7150)

TP	ADJ.	MODE	INPUT
TP3006	VR3006	PAL S-VHS STOP	SINEWAVE (7MHz, 200mVp-p)
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	SIGNAL GENERATOR OSCILLOSCOPE	300mVp-p±10mV	

Note: Prepare a 100MHz tape oscilloscope.

1. Set the signal generator (sine-wave) to 7MHz, 200mVp-p and supply it to TP3003 on video (1) C.B.A.
2. Connect the 100MHz type oscilloscope to TP3006.
3. Adjust VR3006 for 300 +/-10mVp-p as shown in Figure E35.

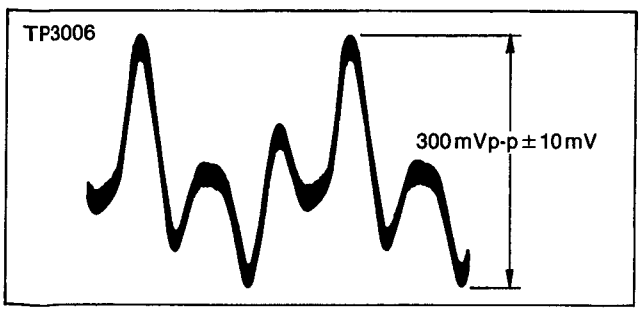


Figure E35

5-3-36. PLAYBACK CHROMA LEVEL ADJUSTMENT 1 (FOR AG-7350)

TP	ADJ.	MODE	INPUT
TP8005	VR8001	PAL PLAY	COLOUR BAR
TAPE	**M. EQ.**	**SPEC.**	
SELF RECORDED TAPE	OSCILLO-SCOPE	500mV±10mVp-p	

1. Supply a colour bar signal to the video input and record it for a few minute.
2. Play back the just recorded portion.
3. Connect the oscilloscope to TP8005.
4. Adjust VR8001 for 500m +/- 10mVp-p at the cyan portion as shown in Figure E36.

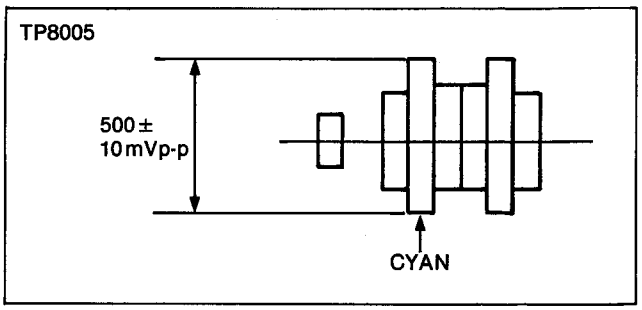


Figure E36

5-3-37. PLAYBACK CHROMA LEVEL ADJUSTMENT 1 (FOR AG-7150)

TP	ADJ.	MODE	INPUT
TP8005	VR8001	PAL PLAY	COLOUR BAR
TAPE	**M. EQ.**	**SPEC.**	
COLOUR BAR RECORDED S-VHS TAPE	VECTORSCOPE	VECTOR COMES CENTER	

1. Prepare the recorded S-VHS tape which recorded the colour bar signal on the another recorder (AG-7350).
2. Play back a colour bar recorded tape.
3. Connect the oscilloscope to TP8005.
4. Adjust VR8001 for 500m +/- 10mVp-p at the cyan portion as shown in Figure E37.

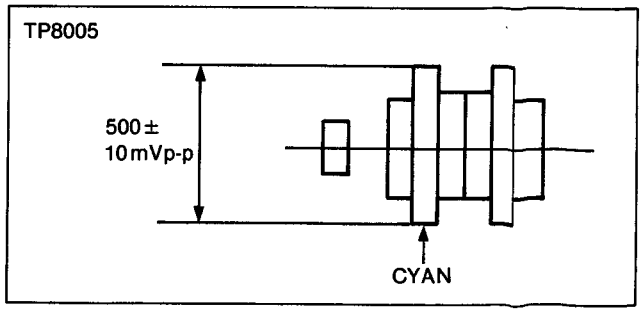


Figure E37

5-3-38. CNR ADJUSTMENT (FOR AG-7350)

TP	ADJ.	MODE	INPUT
TP8002	VR8005 VR8006	PAL PLAY	COLOUR BAR
TAPE	**M. EQ.**	**SPEC.**	
SELF RECORDED TAPE	OSCILLO-SCOPE	LESS THAN 500mVp-p	

Note: This adjustment should be always completed after the YNR balance adjustment.

1. Supply a colour bar to the video input and record it for a few minute.
2. Connect the oscilloscope to TP8002.
3. Play back the just recorded portion.
4. Adjust VR8005 and VR8006 mutually so that the chroma signal is minimized as possible (less than 500mVp-p at least) as shown in Figure E38.

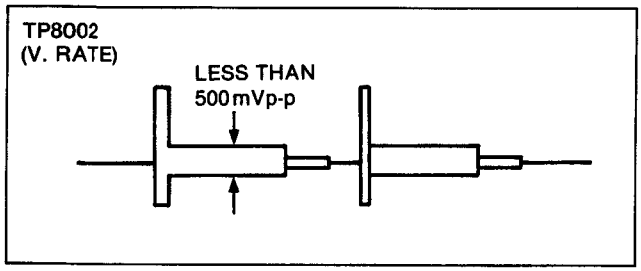


Figure E38

5-3-39. CNR ADJUSTMENT (FOR AG-7150)

TP	ADJ.	MODE	INPUT
TP8002	VR8005 VR8006	PAL PLAY	
TAPE	**M. EQ.**	**SPEC.**	
COLOUR BAR RECORDED S-VHS TAPE	OSCILLO-SCOPE	LESS THAN 500mVp-p	

Note: This adjustment should be always completed after the YNR balance adjustment.

1. Prepare the prerecorded tape which recorded a colour bar signal on another recorder (AG-7350).
2. Play back the just recorded portion.
3. Connect the oscilloscope to TP8002.
4. Adjust VR8005 and VR8006 mutually so that the chroma signal is minimized as possible (less than 500mVp-p at least) as shown in Figure E39.

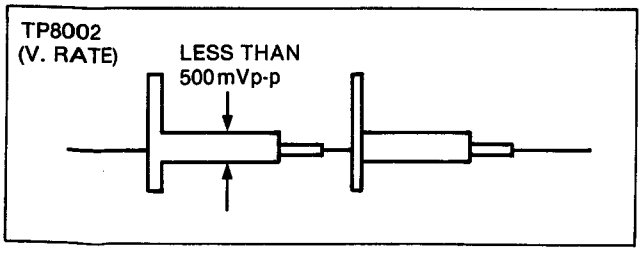


Figure E39

3-5-40. PLAYBACK CHROMA LEVEL ADJUSTMENT 2 (FOR AG-7350)

TP	ADJ.	MODE	INPUT
VIDEO OUT 1	VR8009	PAL PLAY	COLOUR BAR
TAPE	**M. EQ.**	**SPEC.**	
SELF RECORDED TAPE	OSCILLO-SCOPE	0.6Vp-p±0.03V	

1. Supply a colour bar signal to the video input and record it for a few minute.
2. Connect the oscilloscope to the video output 1 connector with 75 ohm termination.
3. Adjust VR8009 for 0.6 +/- 0.03Vp-p as shown in Figure E40.

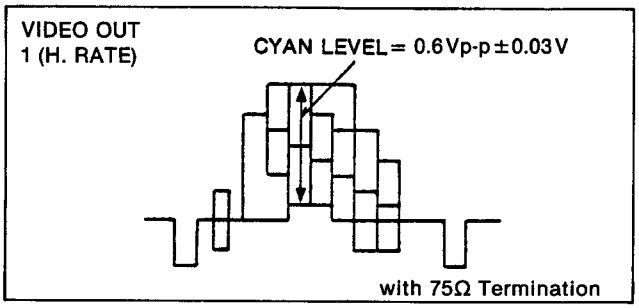


Figure E40

5-3-41. PLAYBACK CHROMA LEVEL ADJUSTMENT 2 (FOR AG-7150)

TP	ADJ.	MODE	INPUT
VIDEO OUT 1	VR8009	PAL PLAY	
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	OSCILLO-SCOPE	0.6Vp-p±0.03V	

1. Prepare the prerecorded tape which recorded a colour bar signal on another recorderv (AG-7350)
2. Play back the colour bar recorded tape.
3. Connect the oscilloscope to the video output 1 connector with 75 ohm termination.
4. Adjust VR8009 for 0.6 +/-0.03Vp-p as shown in Figure E41.

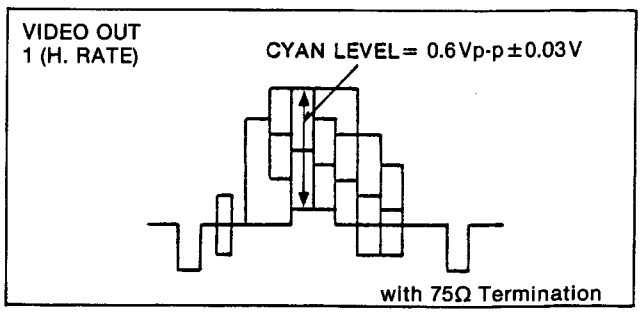


Figure E41

5-3-42. S-VHS Y/C DELAY ADJUSTMENT (FOR AG-7350)

TP	ADJ.	MODE	INPUT
VIDEO OUT 1	VR8007	PAL S-VHS PLAY	SIN² T PULSE & BAR
TAPE	**M. EQ.**	**SPEC.**	
SELF RECORDED TAPE	WAVEFORM MONITOR	A=B±2%	

1. Supply a sin 2T pulse & bar signal and record it for a few minute.
2. Play back the just recorded portion.
3. Connect the waveform monitor to the video out 1 connector.
4. Adjust VR8007 so that the waveform becomes as shown in Figure E42.

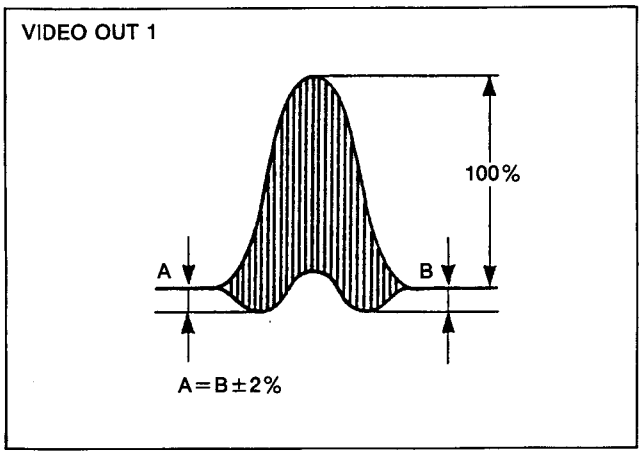


Figure E42

5-3-43. S-VHS Y/C DELAY ADJUSTMENT (FOR AG-7150)

TP	ADJ.	MODE	INPUT
VIDEO OUT 1	VR8007	PAL S-VHS PLAY	
TAPE	**M. EQ.**	**SPEC.**	
SIN² T PULSE & BAR RECORDED TAPE	WAVE FORM MONITOR	A=(B+4%)±2%	

1. Prepare the prerecorded S-VHS tape which recorded a sin 2T pulse & bar signal on recorder (AG-7350).
2. Play back the just recorded portion.
3. Connect the waveform monitor to the video output 1 connector.
4. Adjust VR8007 so that the waveform becomes as shown in Figure E43.

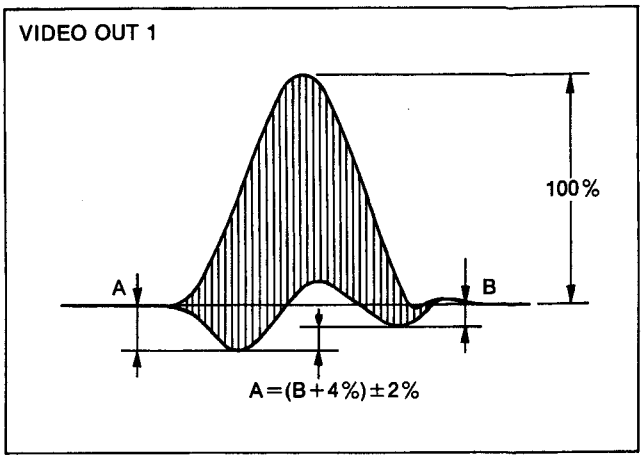


Figure E43

5-3-44. 2H DELAY LEVEL ADJUSTMENT (FOR AG-7350)

TP	ADJ.	MODE	INPUT
VIDEO OUT 1	VR3502	PAL STILL	50% FLAT FIELD WHITE
TAPE	**M. EQ.**	**SPEC.**	
SELF RECORDED TAPE	WAVEFORM MONITOR	FLICKER IS MINIMIZED (0mVp-p±20mV)	

1. Supply a 50% flat field white signal to the video input and record it for a few minute.
2. Play back the just recorded portion in the still mode.
3. Connect the waveform monitor to the video output 1 connector.
4. Adjust VR3502 so that the flicker of luminance is minimized as possible as shown in Figure E44.

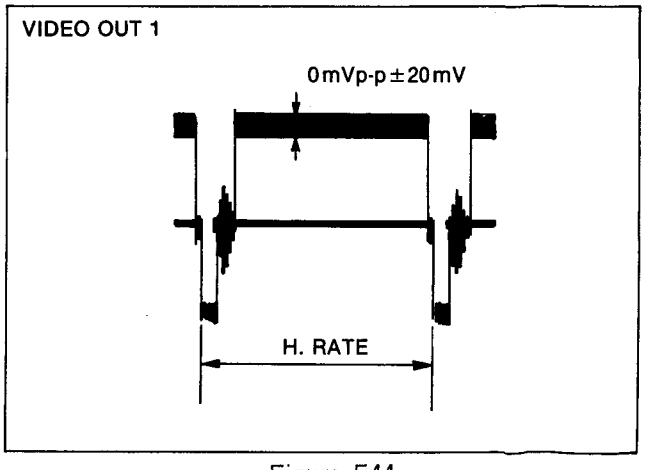


Figure E44

AUDIO SECTION

5-3-45. PREAMP LEVEL ADJUSTMENT (FOR AG-7350)

TP	ADJ.	MODE	INPUT
NORMAL AUDIO OUT (CH1, CH2) Hi-Fi AUDIO OUT (CH1, CH2)	VR4501, VR4502, VR4701, VR4702	PAL STOP	1kHz, −8dBv SINEWAVE
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	V.T.V.M	NORMAL: −8dBv±0.2dBv Hi-Fi: −8dBv±2dBv	

1. Set the signal generator output to 1kHz, −8dBv and supply it to the Normal/Hi-Fi (CH1 & CH2) audio inputs and also supply a colour bar signal to the video input.
2. Set the Audio out SW to the NORM position. Adjust VR4501 (CH1) and VR4502 (CH2) for −8dBv +/−0.2dBv.
3. Set the Audio out SW to the Hi-Fi position. Adjust VR4701 (CH1) and VR4702 (CH2) for −8dBv +/−2dBv.

5-3-46. AUDIO METER ADJUSTMENT (AG-7350)

TP	ADJ.	MODE	INPUT
AUDIO METERS CH1 CH2	VR4503 VR4504	PAL STOP	1kHz, −8dBv SINEWAVE
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	AUDIO METERS	NORMAL: 0Vu±0.5Vu Hi-FI: 0Vu	

1. Set the signal generator output to 1kHz, −8dBv and supply it to the CH1/CH2 inputs and also supply a colour bar signal to the video input.
2. Set the Audio Output SW to the Hi-Fi.
3. Adjust VR4503 (CH1) and VR4504 (CH2) so that the CH1 and CH2 audio meters show 0VU.
4. Change the Audio Output SW to the Normal.
5. Confirm that the audio meters show 0VU +/− 0.5VU.

5-3-47. NORMAL AUDIO PLAYBACK FREQUENCY RESPONSE ADJUSTMENT

TP	ADJ.	MODE	INPUT
NORM/Hi-Fi OUT (CH1/CH2)	VR4005 (CH1) VR4007 (CH2)	PAL PLAY	
TAPE	**M. EQ.**	**SPEC.**	
VFM8180HADH POSITON ③	OSCILLO-SCOPE	400Hz=5kHz (+/− 0.5dB)	

Note: This adjustment should be always completed before the Normal Audio Playback Gain Adjustment.

1. Play back the alignment tape at portion 3.
2. Connect the oscilloscope to the NORM/Hi-Fi outputs (CH1/CH2) on the rear panel.
3. Adjust VR4005 (CH1) and VR4007 (CH2) so that the 400Hz and 5kHz levels become the same (0 +/−0.5dB) as shown in Figure E45.

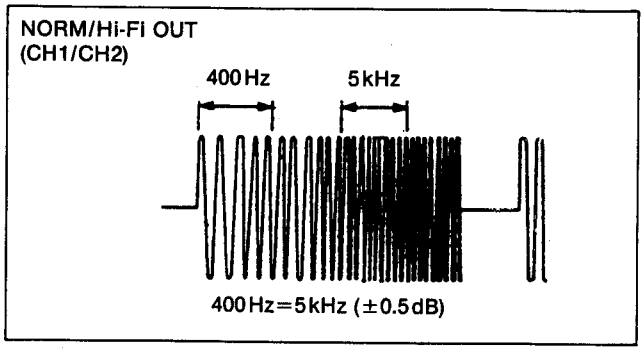


Figure E45

5-3-48. NORMAL AUDIO PLAYBACK GAIN ADJUSTMENT

TP	ADJ.	MODE	INPUT
NORM/Hi-Fi OUT (CH1/CH2)	VR4006 (CH1) VR4008 (CH2)	PAL PLAY	
TAPE	**M. EQ.**	**SPEC.**	
1kHz, −8dBv RECORDED TAPE	OSCILLO-SCOPE	300mVp-p	

Note: This adjustment should be completed after completion of the Audio Meter Adjustment and Normal Audio Playback Frequency Adjustment.

1. Prepare the prercorded tape which recorded a audio 1kHz, −8dBv signal on another unit such as AG-7350.
2. Set the Audio out switch to the normal position.
3. Play back the above prerecorded tape and confirm that the audio CH1 and CH2 meters show on the front panel 0Vu.
4. Connect the V.T.V.M. to the audio CH1 or CH2 output on the rear panel.
5. Adjust VR4006 (CH1) or VR4008 (CH2) so that the output level is −8dBv +/− 0.3dBv.

5-3-49. NORMAL AUDIO BIAS CURRENT ADJUSTMENT (FOR AG-7350)

TP	ADJ.	MODE	INPUT
A/C HEAD	VR4003 (S-VHS CH1) VR4009 (S-VHS CH2) VR4002 (VHS CH1) VR4004 (VHS CH2)	PAL VHS, S-VHS RECORDEING	
TAPE	**M. EQ.**	**SPEC.**	
S-VHS, VHS BLANK TAPE	V.T.V.M	S-VHS: 5.5±0.1mVrms VHS: 4±0.1mVrms	

1. Insert a S-VHS blank tape and place the unit in S-VHS recording mode.
2. Connect the V.T.V.M to the A/C Head as shown in Figure E47.
3. Adjust VR4003 (CH1) and VR4009 (CH2) for 5.5 +/-0.1mVrms.
4. Insert a VHS blank tape and place the unit in normal VHS recording mode.
5. Adjust VR4002 (CH1) and VR4004 (CH2) for 4 +/-0.1mVrms.

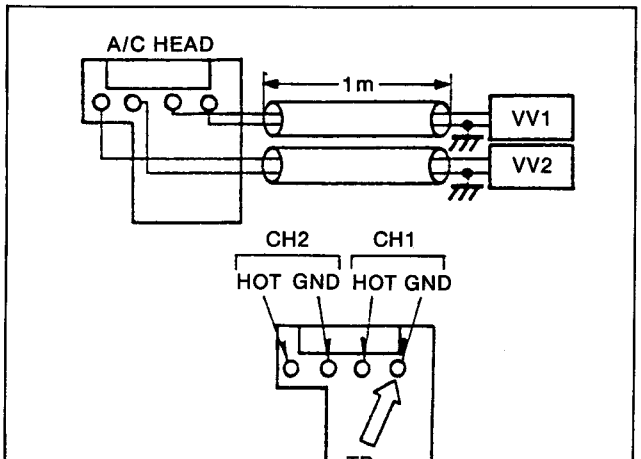


Figure E47

5-3-50. NORMAL AUDIO REC CURRENT ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP4007 (CH1), TP4012 (CH2) NORM/Hi-Fi OUT (CH1/CH2)	VR4010 (CH1) VR4011 (CH2)	PAL SELF RECORDING	1kHz, -8dBv SINEWAVE COLOUR BAR
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	V.T.V.M	S-VHS: 0±0.5dBv VHS: 0±1.0dBv	

1. Insert a blank tape and place the unit in recording mode.
2. Connect two V.T.V.M.s as follow.

   V.T.V.M.(1) : NORM/HI-FI CH1/CH2 OUTPUTS
   V.T.V.M.(2) : TP4007 (CH1) / TP4012(CH2)
3. Set the signal generator to 1kHz, -8dBv and supply it to the NORM/Hi-Fi Audio Input (CH1/CH2).
4. Pre-adjust VR4010 (CH1) and VR4011 (CH2) so that the reading of V.T.V.M (2) are approx. 400mVp-p.
   And it suppose the reading of V.T.V.M.(1) would be 0dBm in this time.
5. After this adjustment, record a colour bar and 1KHz, -8dBv sinewave signal for a few minute. And playback the just recorded portion and confirm that the audio level at the NORM/HI-FI CH1/CH2 output for 0dbm.
6. If the playback audio level at the NORM/HI-FI CH1/CH2 outputs are not 0dbm, re-adjust VR4010(CH1), VR4011(CH2) based on 400mVp-p at TP4007/TP4012 and repeat steps 3 to 6.

5-3-51. NORMAL AUDIO TIME CODE METER LEVEL ADJUSTMENT (AG-7350)

TP	ADJ.	MODE	INPUT
CH2 AUDIO METER	VR4001	PAL RECORDING	TIME CODE SIGNAL
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE		0±0.5Vu	

1. Install RS-232 interface with time code generator/Reader board (AG-IA232TC) into the VTR.
2. Set the Audio CH2 selection on the OSD to the Time Code mode.
3. Set the Meter select SW to the Normal.
4. Place the unit in the time code recording
5. Adjust VR4001 so that the audio CH2 level meter indicates 0 +/-0.5VU point on the front panel.

5-3-52. NTSC Hi-Fi AUDIO HEAD SWITCHING SHIFER ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP4706 (H SW) TP4705 or TP4707	VR4708	NTSC PLAY	
TAPE	**M. EQ.**	**SPEC.**	
VFM8080HQFP PORTION: 2	OSCILLO-SCOPE	NO HEAD SWITCHING GAP	

1. Set the TV System switch to the NTSC position.
2. Play back the NTSC alignment tape at the portion 2.
3. Connect the oscilloscope CH1 to TP4706 and CH2 to TP4705 or TP4707.
4. Adjust VR4708 so that the head switching gap is not occured as shown in Figure E48.
5. Turn the tracking VR on the front panel from CCW position to CW position and confirm that the head switching gap is not occured.

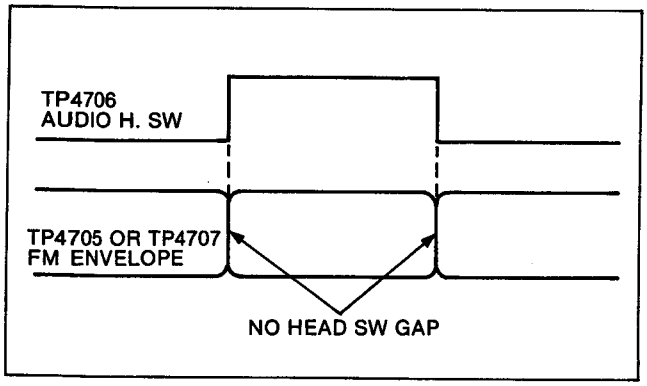


Figure E48

5-3-53. PAL Hi-Fi AUDIO HEAD SWITCHING SHIFTER ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP4706 (H SW) TP4705 or TP4707	VR4707	PAL PLAY	
TAPE	**M. EQ.**	**SPEC.**	
VFM8180HADH POSITON 2	OSCILLO-SCOPE	NO HEAD SWITCHING GAP	

This adjustment should be always compleded after NTSC Hi-Fi audio head switching shifter adjustment.

1. Set the TV system switch to the PAL position.
2. Play back the alignment tape at portion 2.
3. Connect the oscilloscope CH1 to TP4706 and CH2 to TP4705 or TP4707.
4. Adjust VR4707 so that the head switching gap is not occured as shown in Figure E49.
5. Turn the tracking VR on the front panel from CCW position to CW position and confirm that the head switching gap is not occured.

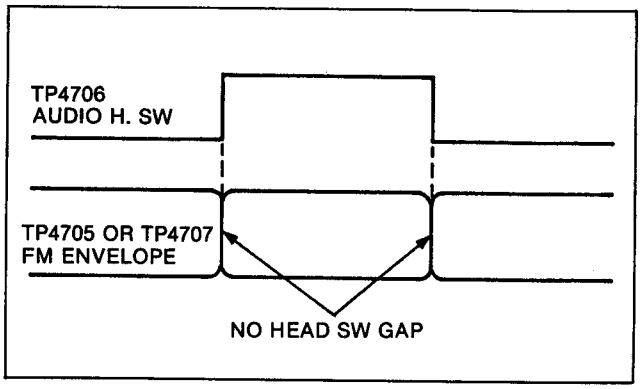


Figure E49

5-3-54. NTSC Hi-Fi AUDIO CARRIER FREQUENCY ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP4704 TP4708	VR4703 VR4711	NTSC STOP	
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	FREQUENCY COUNTER	1.3MHz +/- 10kHz (CH1) 1.7MHz +/- 10kHz (CH2)	

1. Make a short circuit between both Hi-Fi audio Inputs (CH1 & CH2) and GND.
2. Set the TV system switch to the NTSC position.
3. Connect the frequency counter to TP4704 (CH1) or TP4708 (CH2).
4. Adjust VR4703 (CH1) or VR4711 (CH2) so that the reading of frequency counter is 1.3MHz +/-10KHz for CH1 and 1.7KHz +/-10KHz for CH2.

5-3-55. PAL Hi-Fi AUDIO CARRIER FREQUENCY ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP4704 TP4708	VR4705 VR4710	PAL STOP	
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	FREQUENCY COUNTER	1.3MHz +/- 10kHz (CH1) 1.7MHz +/- 10kHz (CH2)	

1. Make a short circuit between both Hi-Fi audio inputs (CH1 & CH2) and GND.
2. Set the TV system switch to the PAL position.
3. Connect the frequency counter to TP4704 (CH1), TP4708 (CH2).
4. Adjust VR4705 (CH1) or VR4710 (CH2) so that the reading of frequency counter is 1.3MHz +/- 10kHz for CH1 and 1.7kHz +/- 10kHz for CH2.

5-3-56. NTSC Hi-Fi AUDIO DEVIATION ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP4704 TP4708	VR4704 VR4712	NTSC STOP	1kHz, −8dBv SINEWAVE
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	SPECTRUM ANALYZER	fw=100kHz +/− 5kHz	

1. Set the TV system switch to the NTSC position.
2. Set the signal generator to 1KHz, −8dBv and supply it to the Hi-Fi Audio Inputs (CH1/CH2).
3. Connect the spectrum analyzer to TP4704 and set its centre frequency to 1.3MHz.
4. Adjust VR4704 (CH1) so that the width of fw portion becomes 100KHz +/− 5KHz as shown below.
5. Re-connect the probe of spectrum analyzer to TP4708 (CH2) and set its centre frequency to 1.7MHz.
6. Adjust VR4712 (CH2) so that the width of fw portion becomes 100KHz +/−5KHz as shown in Figure E50.

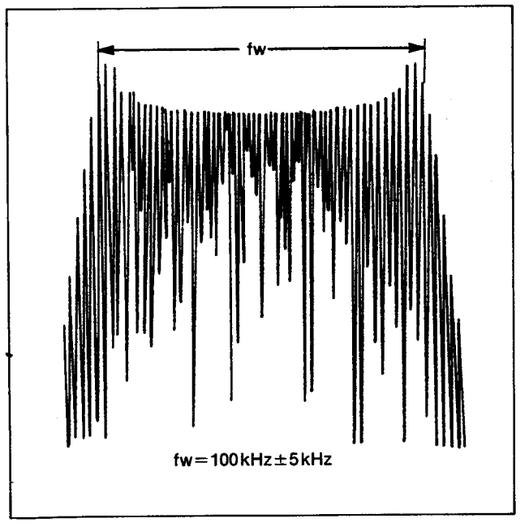


Figure E50

5-3-57. Hi-Fi AUDIO REC CURRENT ADJUSTMENT (FOR AG-7350)

TP	ADJ.	MODE	INPUT
TP5001 (HOT)	VR4706 VR4709	PAL RECORDING	NO SIGNAL
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	OSCILLO- SCOPE	CH1: 80mVp-p +/− 5mV CH2: 260mVp-p +/− 5mV	

1. Make the short circuit between both Hi-Fi audio Inputs (CH1/CH2) and GND.
2. Place the unit in the recording mode.
3. Fully close VR4709 so that the CH2 recording current is cut.
4. Connect the oscilloscope to TP5001 (HOT).
5. Adjust VR4706 for 80 +/−5mVp-p as shown in Figure E51.
6. Adjust VR4709 for 270 +/−5mVp-p as shown in Figure E52.

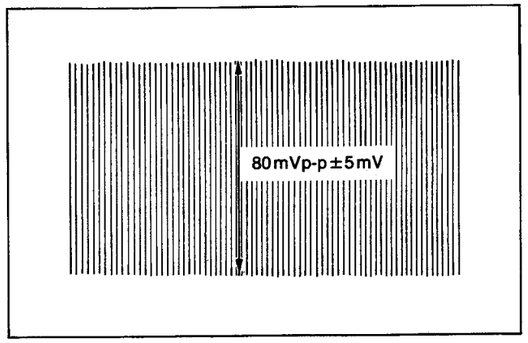


Figure E51

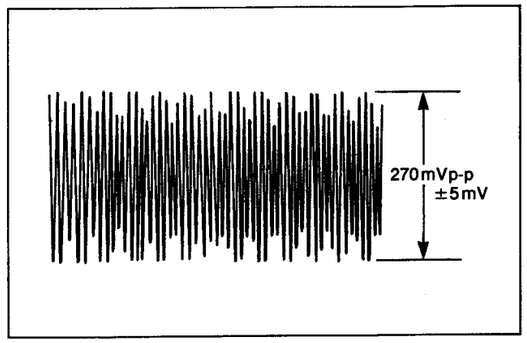


Figure E52

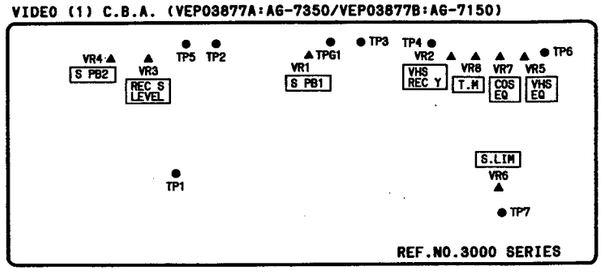
5-3-58. Hi-Fi AUDIO PLAYBACK LEVEL ADJUSTMENT (FOR AG-7150)

TP	ADJ.	MODE	INPUT
Hi-Fi AUDIO OUT (CH1/CH2)	VR4704 VR4712	PAL PLAY	
TAPE	**M. EQ.**	**SPEC.**	
−8dBv, 1kHz RECORDED TAPE	V.T.V.M	−8dBv±1	

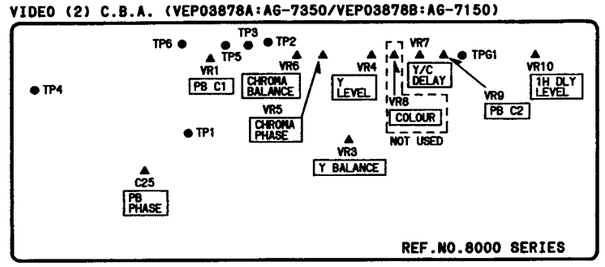
1. Prepare the prerecorded tape which recorded a audio 1kHz, −8dBv signal on another set such as AG-7350.
2. Play back the prerecorded tape.
3. Connect the V.T.V.M to Hi-Fi Audio outputs (CH1/CH2).
4. Adjust VR4704 (CH1) or VR4712 (CH2) so that the reading of V.T.V.M is −8dBv +/−1dBv.

LOCATION OF TEST POINTS & CONTROLS

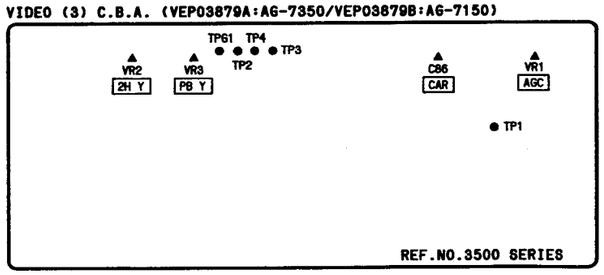
VIDEO (1) C.B.A. (VEP03877A:AG-7350/VEP03877B:AG-7150)



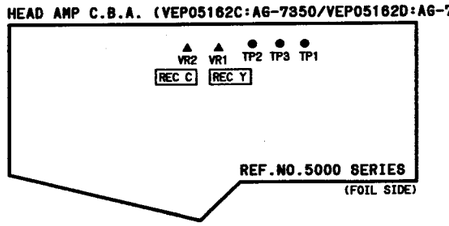
VIDEO (2) C.B.A. (VEP03878A:AG-7350/VEP03878B:AG-7150)



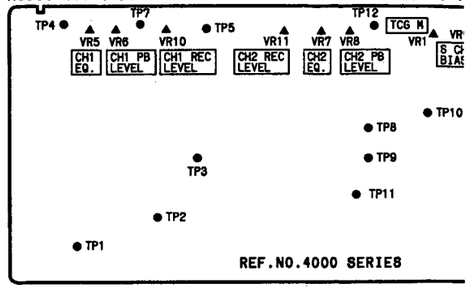
VIDEO (3) C.B.A. (VEP03879A:AG-7350/VEP03879B:AG-7150)



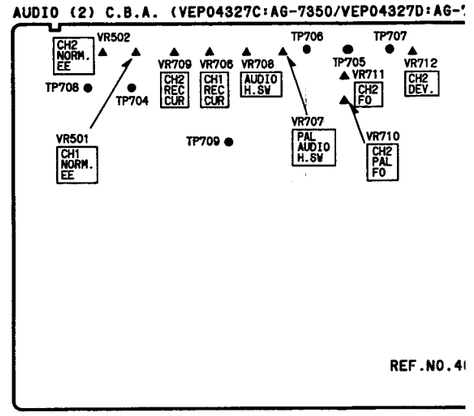
HEAD AMP C.B.A. (VEP05162C:AG-7350/VEP05162D:AG-7150)



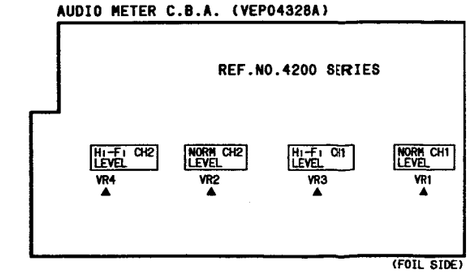
AUDIO (1) C.B.A. (VEP04326C:AG-7350/VEP04326D:AG-7



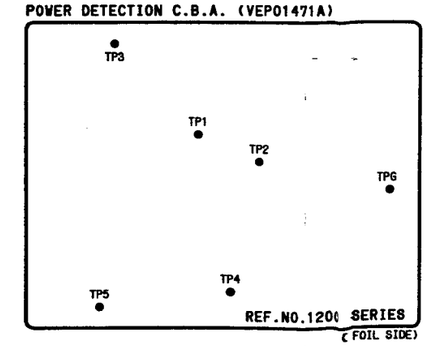
AUDIO (2) C.B.A. (VEP04327C:AG-7350/VEP04327D:AG-



AUDIO METER C.B.A. (VEP04328A)

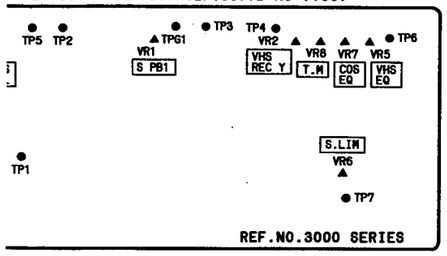


POWER DETECTION C.B.A. (VEP01471A)

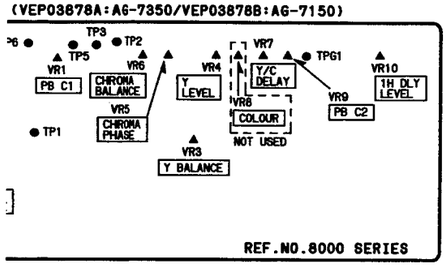


N OF TEST POINTS & CONTROLS

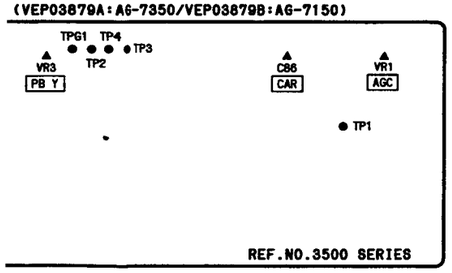
(VEP03877A:AG-7350/VEP03877B:AG-7150)



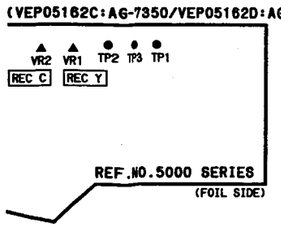
(VEP03878A:AG-7350/VEP03878B:AG-7150)



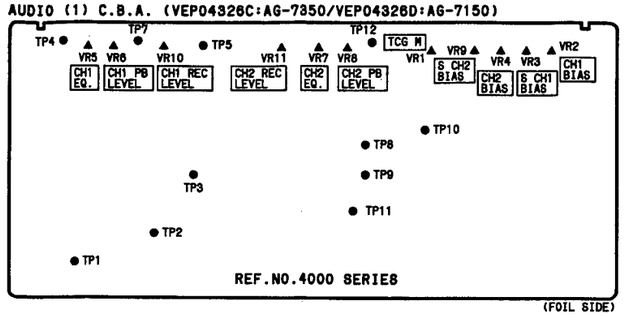
(VEP03879A:AG-7350/VEP03879B:AG-7150)



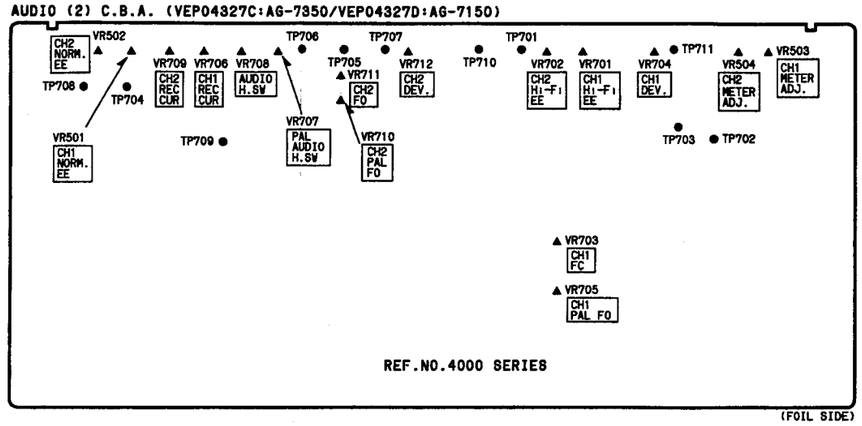
(VEP05162C:AG-7350/VEP05162D:AG-7150)



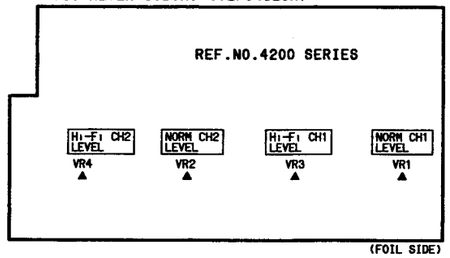
AUDIO (1) C.B.A. (VEP04326C:AG-7350/VEP04326D:AG-7150)



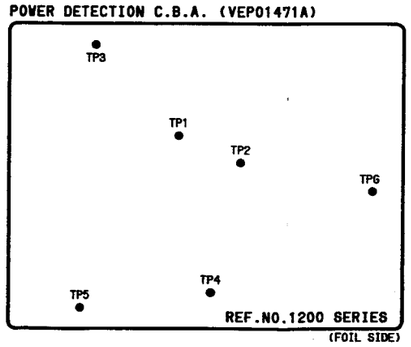
AUDIO (2) C.B.A. (VEP04327C:AG-7350/VEP04327D:AG-7150)



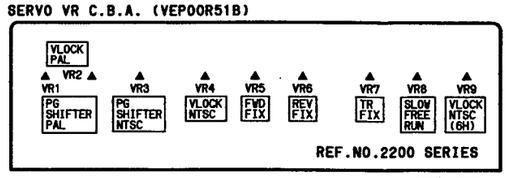
AUDIO METER C.B.A. (VEP04328A)



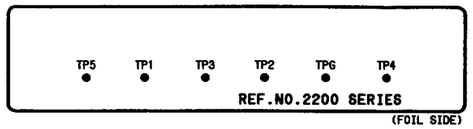
POWER DETECTION C.B.A. (VEP01471A)



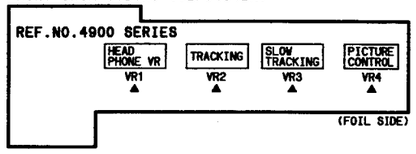
SERVO VR C.B.A. (VEP00R51B)



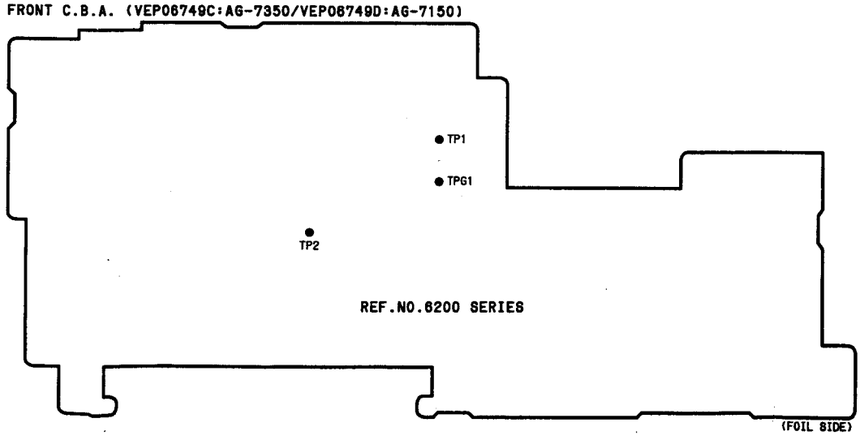
SERVO TP C.B.A.(VEP00R80A)



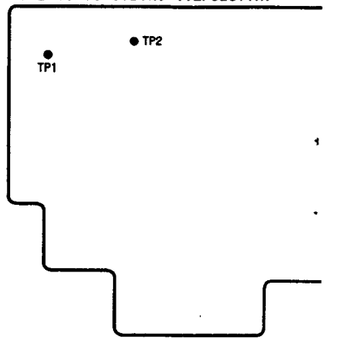
FRONT JACK C.B.A. (VEP04342A)



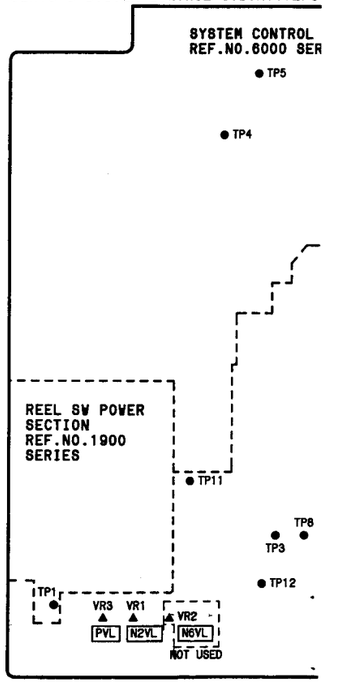
FRONT C.B.A. (VEP06749C:AG-7350/VEP06749D:AG-7150)



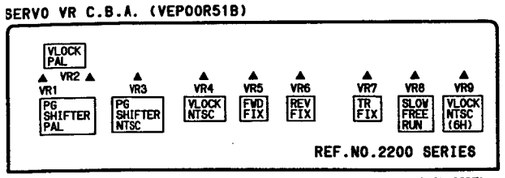
REEL SERVO C.B.A. (VEP02377A)



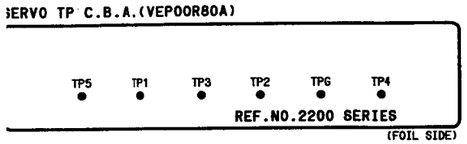
SERVO & SYSTEM CONTROL C.B.A.(VEP0



SERVO VR C.B.A. (VEP00R51B)



SERVO TP C.B.A.(VEP00R80A)



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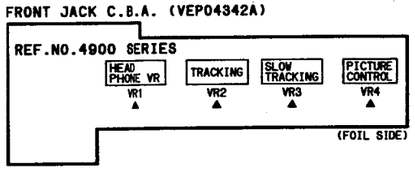
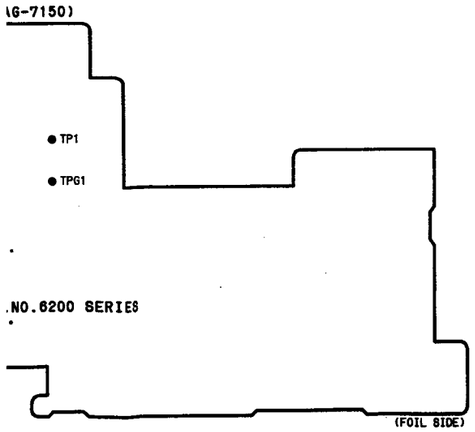
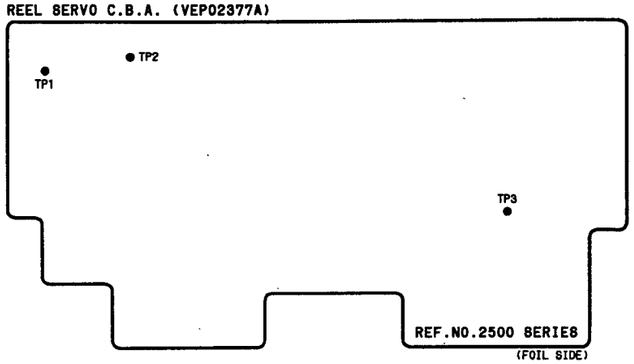


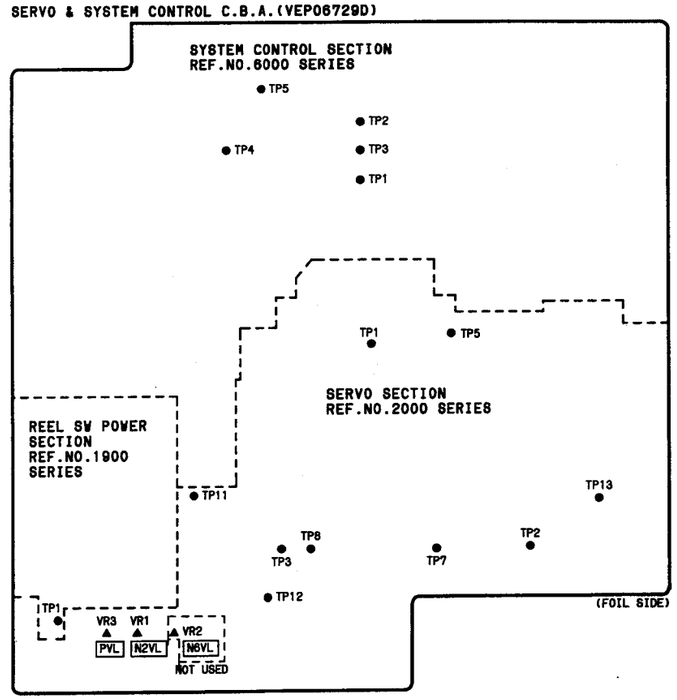
(G-7150)



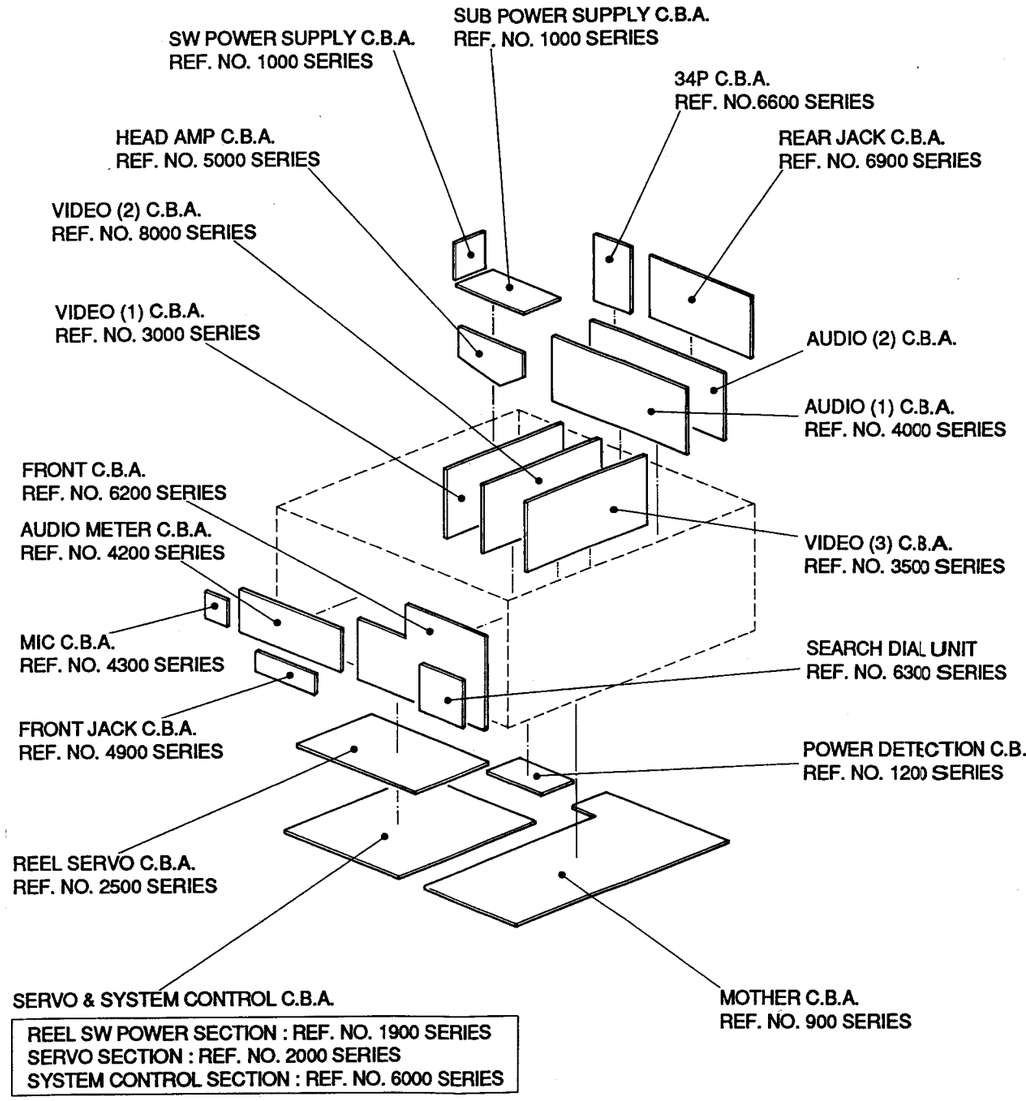
REEL SERVO C.B.A. (VEP02377A)



SERVO & SYSTEM CONTROL C.B.A.(VEP06729D)



CIRCUIT BOARD LAYOUT



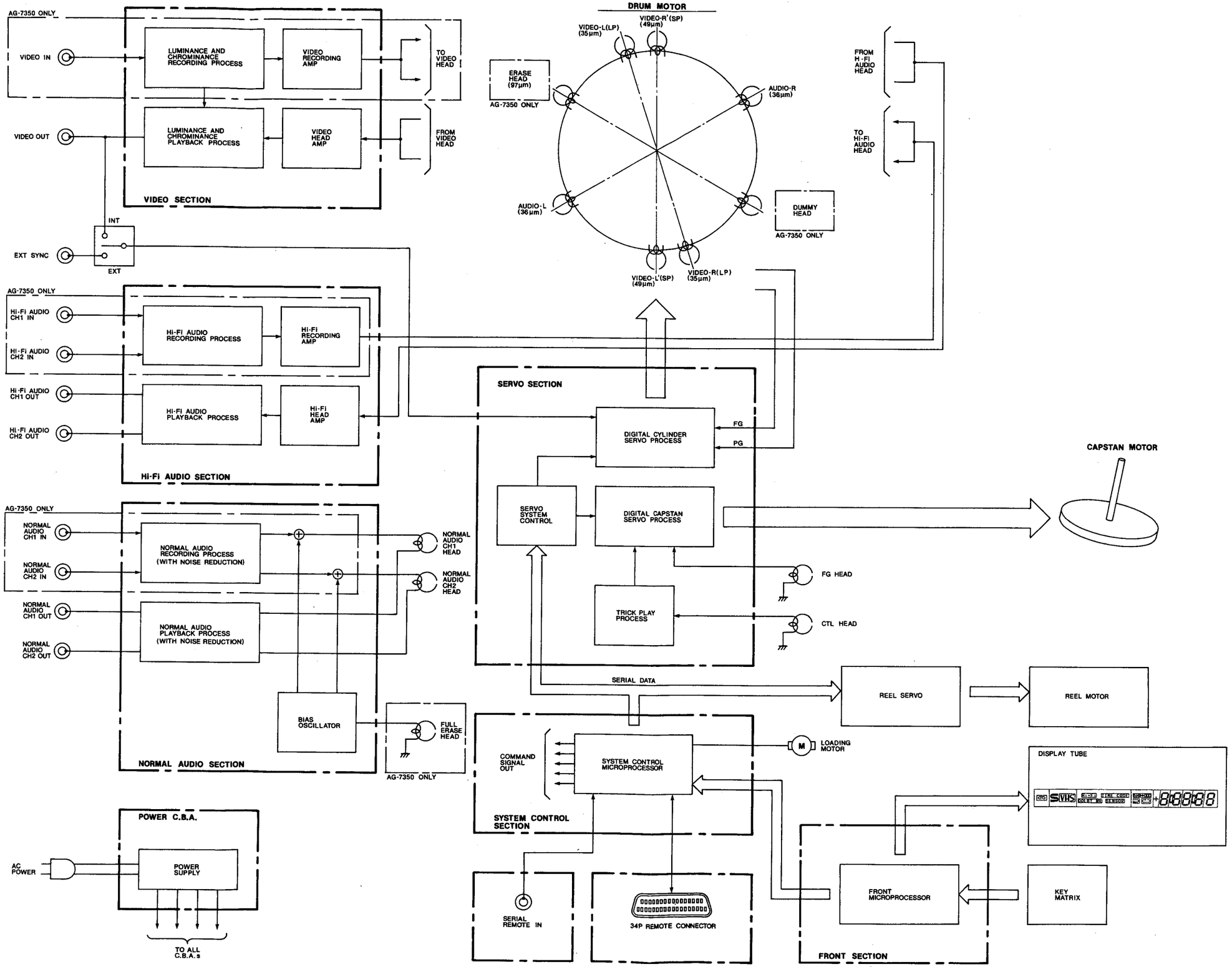
SERVO & SYSTEM CONTROL C.B.A.

REEL SW POWER SECTION : REF. NO. 1900 SERIES
SERVO SECTION : REF. NO. 2000 SERIES
SYSTEM CONTROL SECTION : REF. NO. 6000 SERIES

AUDIO (2) C.B.A.

I/O SECTION : REF. NO. 4500 SERIES
Hi-Fi AUDIO SECTION : REF. NO. 4700 SERIES

OVERALL BLOCK DIAGRAM



Section 6

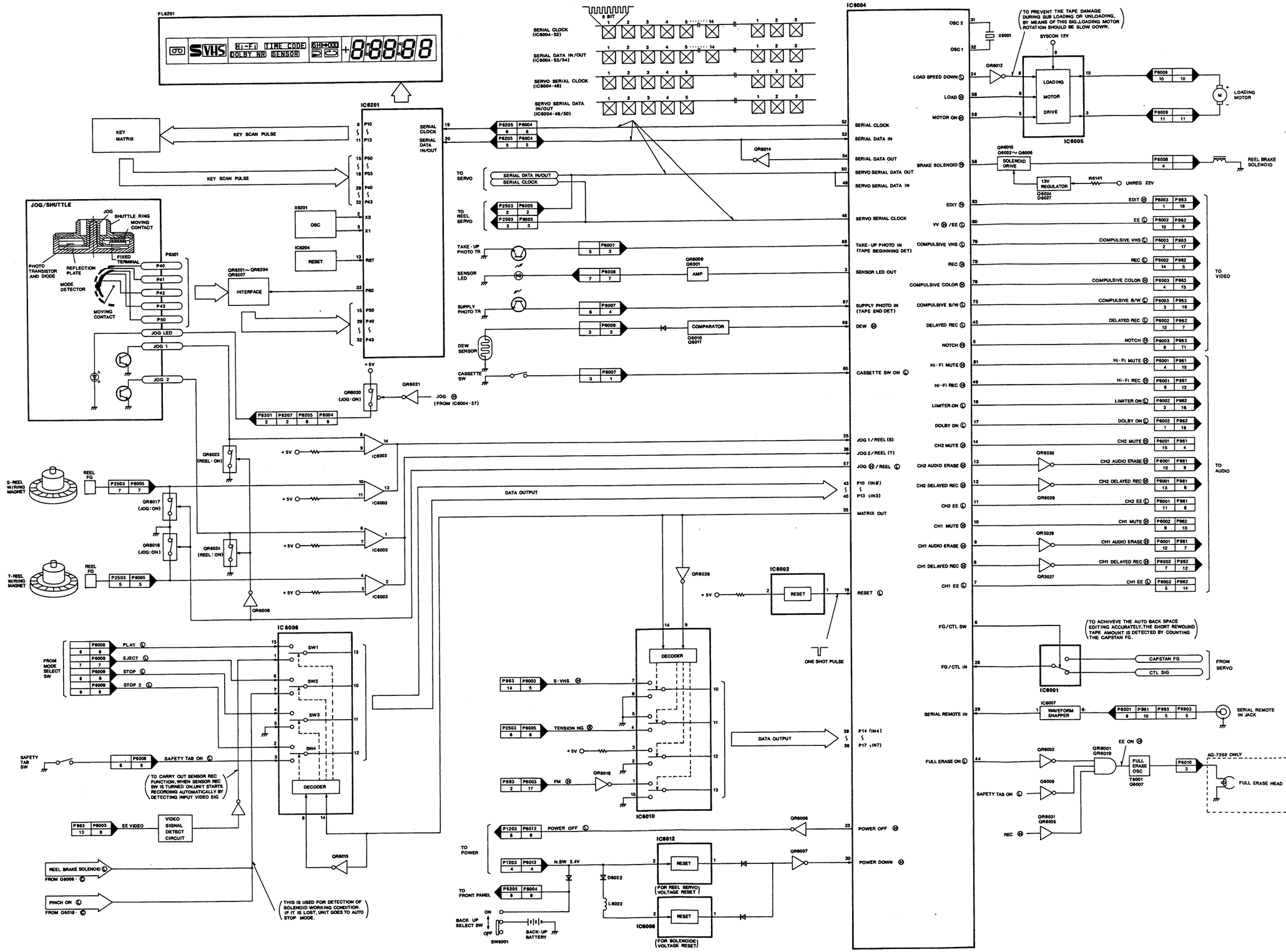
BLOCK DIAGRAMS

CONTENTS

Overall BLK-3
System Control BLK-3
Servo BLK-4
Reel Servo BLK-5
Video (1) BLK-6
Video (2) BLK-7
Video (3) BLK-8
Hi-Fi Audio BLK-9
Normal Audio BLK-10
34P Interface BLK-10

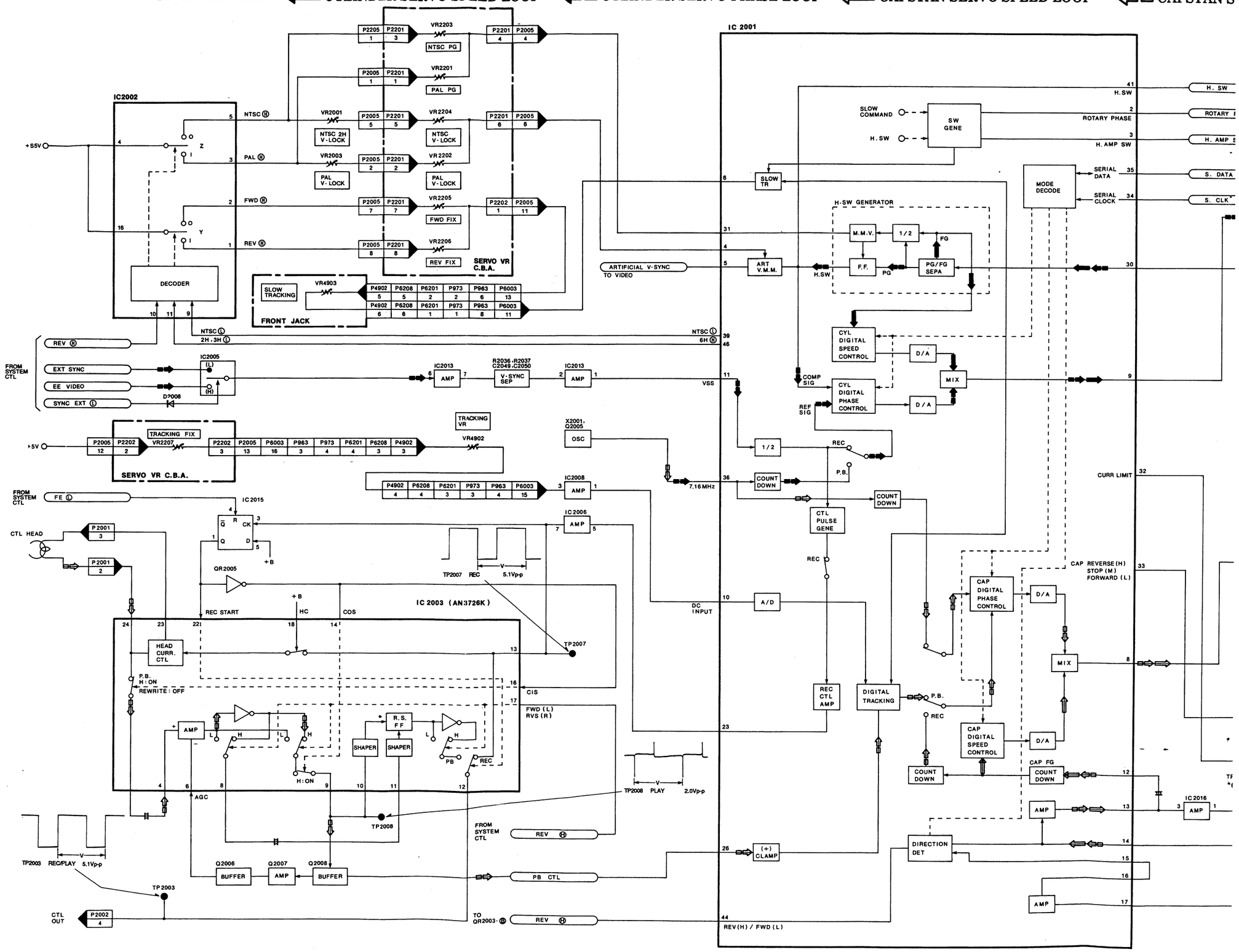
BLK—2

SYSTEM CONTROL BLOCK DIAGRAM

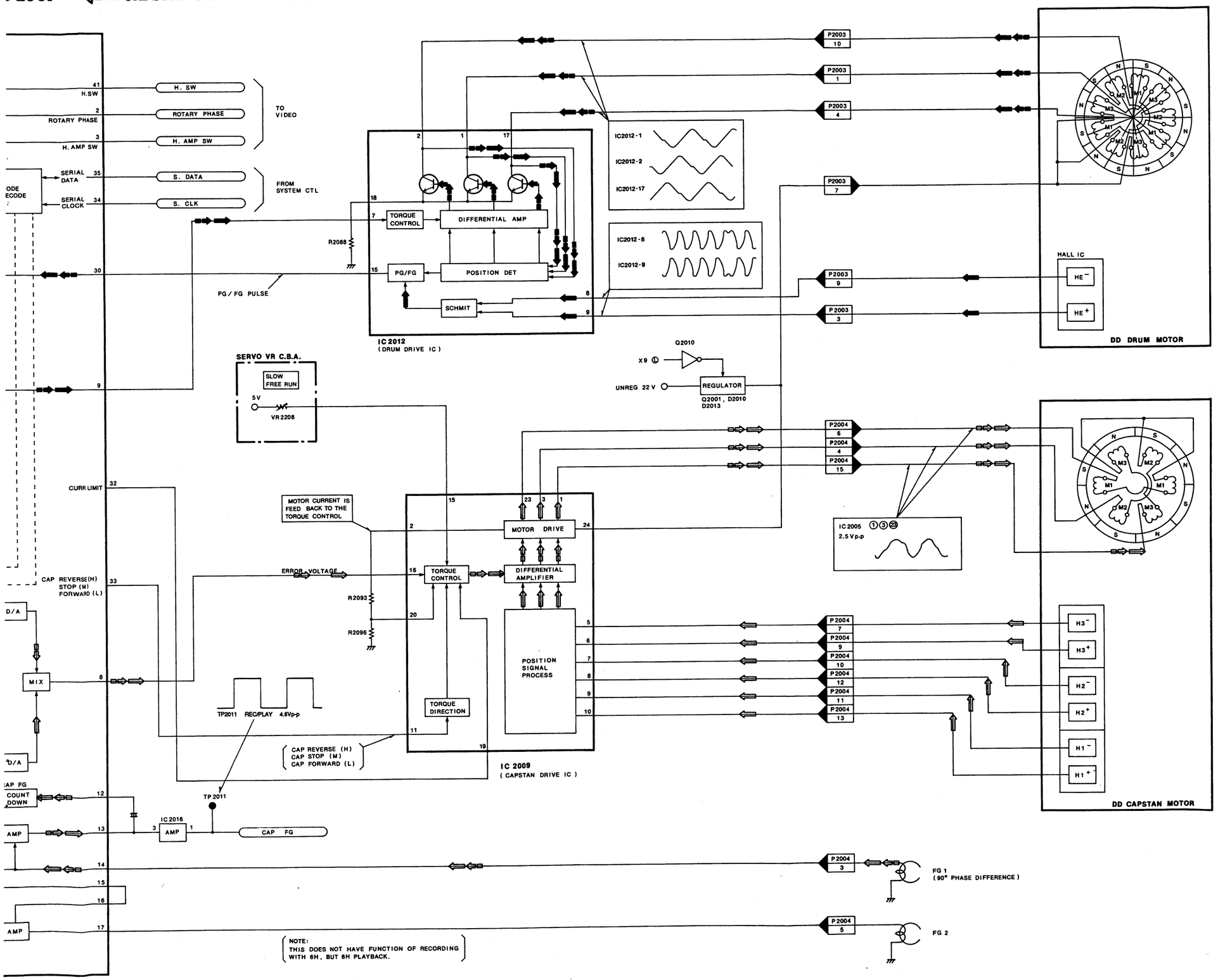


SERVO BLOCK DIAGRAM

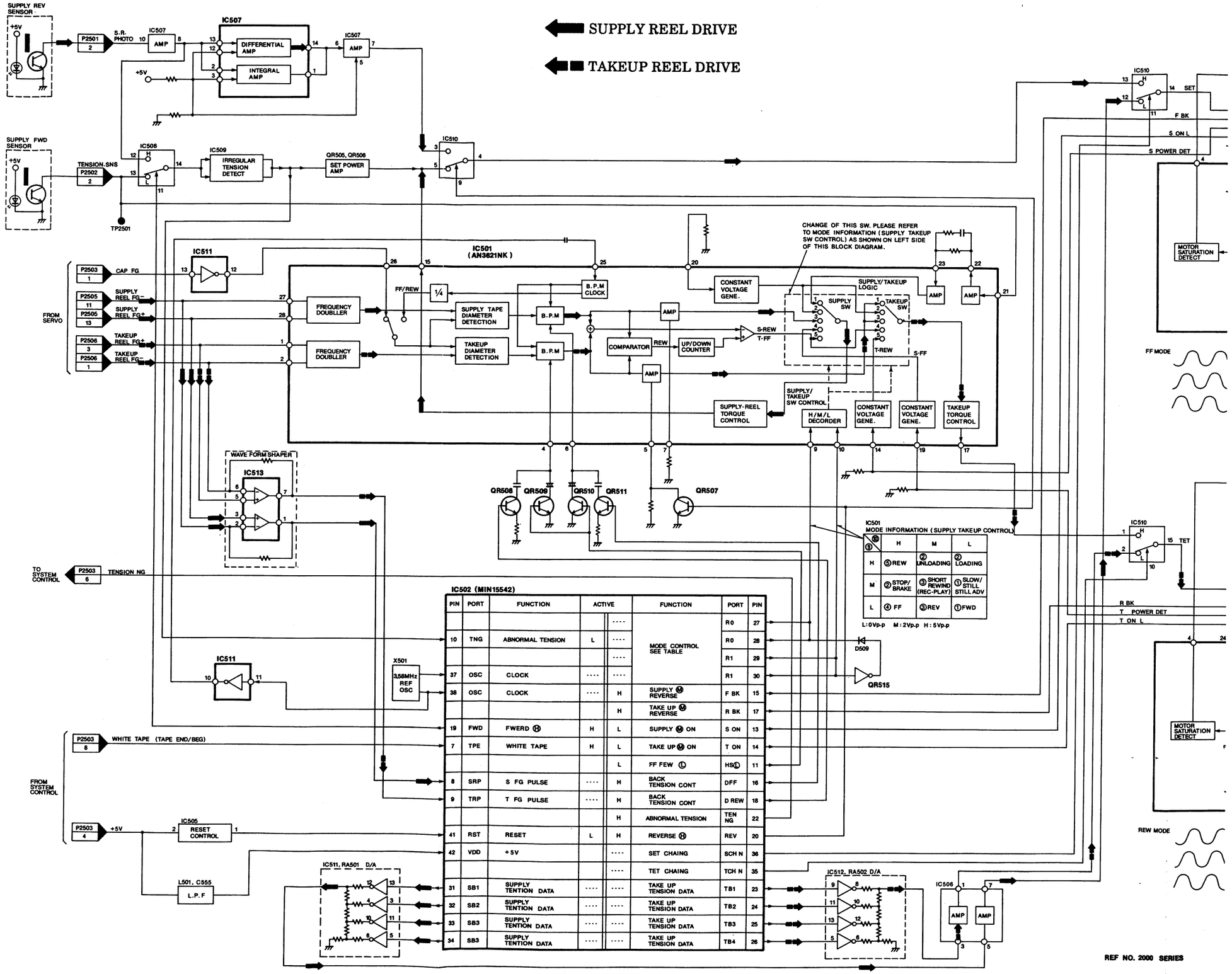
CYLINDER SERVO SPEED LOOP
CYLINDER SERVO PHASE LOOP
CAPSTAN SERVO SPEED LOOP
CAPSTAN S



) LOOP ⇦□ CAPSTAN SERVO PHASE LOOP



REEL SERVO BLOCK DIAGRAM



PIN	PORT	FUNCTION	ACTIVE		FUNCTION	PORT	PIN
				----	MODE CONTROL SEE TABLE	R0	27
10	TNG	ABNORMAL TENSION	L	----		R0	28
				----		R1	29
37	OSC	CLOCK	----	----		R1	30
38	OSC	CLOCK	----	H	SUPPLY Ⓜ REVERSE	F BK	15
				H	TAKE UP Ⓜ REVERSE	R BK	17
19	FWD	FWERD Ⓗ	H	L	SUPPLY Ⓜ ON	S ON	13
7	TPE	WHITE TAPE	H	L	TAKE UP Ⓜ ON	T ON	14
				L	FF FEW Ⓛ	HSⓁ	11
8	SRP	S FG PULSE	----	H	BACK TENSION CONT	DFF	16
9	TRP	T FG PULSE	----	H	BACK TENSION CONT	D REW	18
				H	ABNORMAL TENSION	TEN NG	22
41	RST	RESET	L	H	REVERSE Ⓗ	REV	20
42	VDD	+5V		----	SET CHAING	SCH N	36
				----	TET CHAING	TCH N	35
31	SB1	SUPPLY TENTION DATA	----	----	TAKE UP TENSION DATA	TB1	23
32	SB2	SUPPLY TENTION DATA	----	----	TAKE UP TENSION DATA	TB2	24
33	SB3	SUPPLY TENTION DATA	----	----	TAKE UP TENSION DATA	TB3	25
34	SB3	SUPPLY TENTION DATA	----	----	TAKE UP TENSION DATA	TB4	26

AM

SUPPLY REEL DRIVE

TAKEUP REEL DRIVE

IC507 AMP

QR505, QR506 SET POWER AMP

IC510

IC501 (AN3621NK)

FREQUENCY DOUBLLER

FREQUENCY DOUBLLER

FF/REW

1/4

B.P.M CLOCK

SUPPLY TAPE DIAMETER DETECTION

TAKEUP DIAMETER DETECTION

B.P.M

B.P.M

COMPARATOR

REW

UP/DOWN COUNTER

S-REW

T-FF

T-REW

S-FF

AMP

CONSTANT VOLTAGE GENE.

AMP

AMP

CHANGE OF THIS SW. PLEASE REFER TO MODE INFORMATION (SUPPLY TAKEUP SW CONTROL) AS SHOWN ON LEFT SIDE OF THIS BLOCK DIAGRAM.

SUPPLY/TAKEUP LOGIC

SUPPLY SW

TAKEUP SW

SUPPLY/ TAKEUP SW CONTROL

SUPPLY-REEL TORQUE CONTROL

H/M/L DECORDER

CONSTANT VOLTAGE GENE.

CONSTANT VOLTAGE GENE.

TAKEUP TORQUE CONTROL

QR508 QR509 QR510 QR511

QR507

IC501 MODE INFORMATION (SUPPLY TAKEUP CONTROL)

⑨ \ ⑩	H	M	L
H	⑤REW	②UNLOADING	②LOADING
M	②STOP/BRAKE	③SHORT REWIND (REC-PLAY)	①SLOW/STILL STILL ADV
L	④FF	⑤REV	①FWD

L:0Vp-p M:2Vp-p H:5Vp-p

D509

QR515

IC502 (MIN15542)

PIN	PORT	FUNCTION	ACTIVE		FUNCTION	PORT	PIN
				····	MODE CONTROL SEE TABLE	R0	27
10	TNG	ABNORMAL TENSION	L	····		R0	28
				····		R1	29
37	OSC	CLOCK	····	····		R1	30
38	OSC	CLOCK	····	H	SUPPLY Ⓜ REVERSE	F BK	15
				H	TAKE UP Ⓜ REVERSE	R BK	17
19	FWD	FWERD Ⓗ	H	L	SUPPLY Ⓜ ON	S ON	13
7	TPE	WHITE TAPE	H	L	TAKE UP Ⓜ ON	T ON	14
				L	FF FEW Ⓛ	HS Ⓛ	11
8	SRP	S FG PULSE	····	H	BACK TENSION CONT	DFF	16
9	TRP	T FG PULSE	····	H	BACK TENSION CONT	D REW	18
				H	ABNORMAL TENSION	TEN NG	22
41	RST	RESET	L	H	REVERSE Ⓗ	REV	20
42	VDD	+5V		····	SET CHAING	SCH N	36
				····	TET CHAING	TCH N	35
31	SB1	SUPPLY TENTION DATA	····	····	TAKE UP TENSION DATA	TB1	23
32	SB2	SUPPLY TENTION DATA	····	····	TAKE UP TENSION DATA	TB2	24
33	SB3	SUPPLY TENTION DATA	····	····	TAKE UP TENSION DATA	TB3	25
34	SB3	SUPPLY TENTION DATA	····	····	TAKE UP TENSION DATA	TB4	26

X501 3.58MHz REF OSC

IC511, RA501 D/A

IC512, RA502 D/A

IC506 AMP AMP

IC510

SET

F BK

S ON L

S POWER DET

IC503 AN3834K (SUPPLY REEL MOTOR DRIVE)

MOTOR SATURATION DETECT

DIFFERENTIAL AMP

DIFFERENTIAL AMP

POSITION SIGNAL PROCESS

RIPPLE CANCELLER

TORQUE CONTROL

TORQUE DIRECTION CONTROL

S POWER CTL

S REEL POWER

M1 M2 M3 (SUPPLY REEL)

FF MODE

IC8 ⑫ 120mVp-p

IC8 ⑧ 120mVp-p

IC8 ⑥ 120mVp-p

H1+ H1− H2+ H2− H3+ H3− FROM SUPPLY REEL

T REEL POWER

T POWER CTL

TO/FROM SERVO SYSTEM CONTROL

M1 M2 M3 (TAKEUP REEL)

IC510

TET

R BK

T POWER DET

T ON L

IC504 (TAKEUP REEL MOTOR DRIVE)

MOTOR SATURATION DETECT

DIFFERENTIAL AMP

DIFFERENTIAL AMP

POSITION SIGNAL PROCESS

RIPPLE CANCELLER

TORQUE CONTROL

TORQUE DIRECTION CONTROL

REW MODE

IC9 ⑫ 120mVp-p

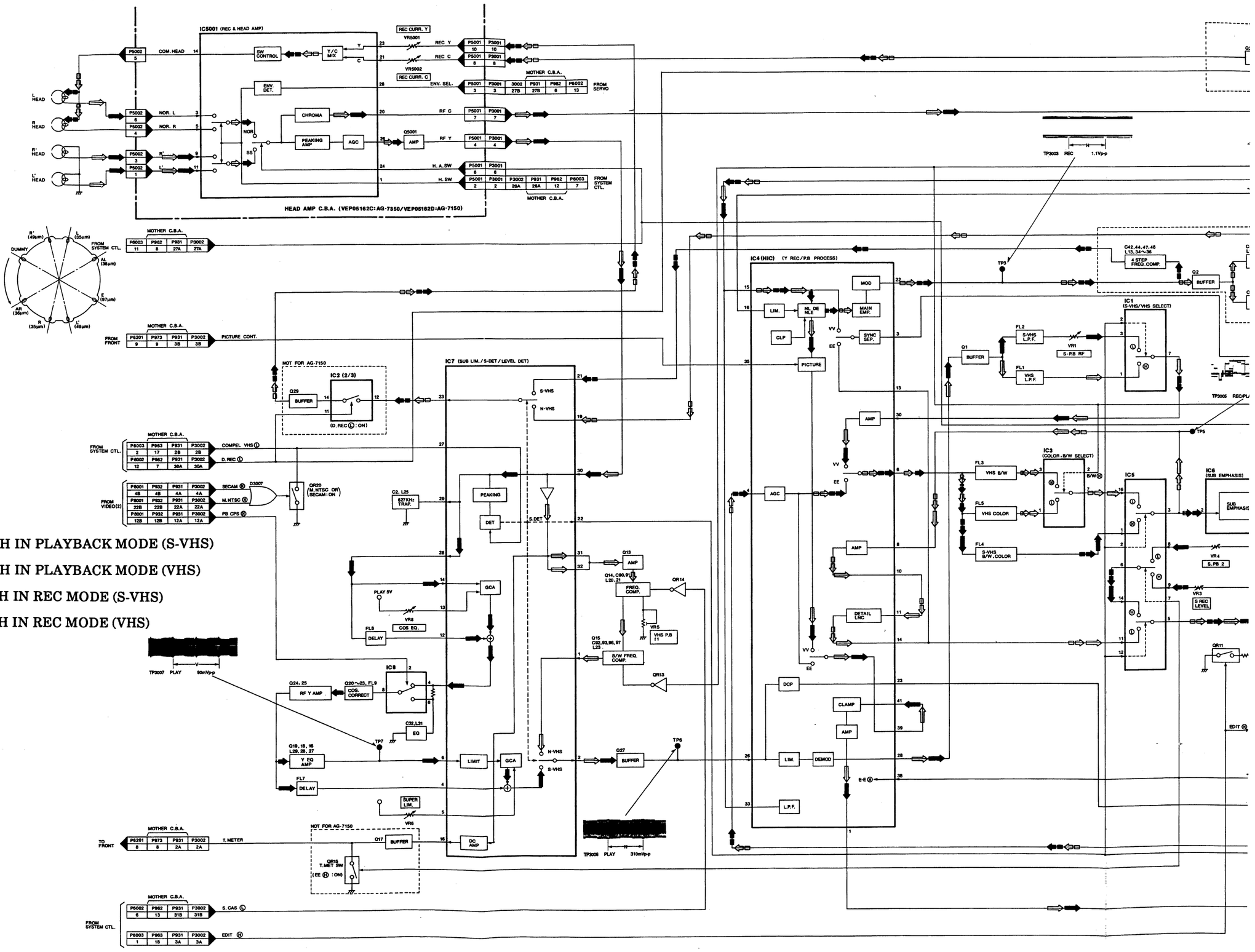
IC9 ⑧ 120mVp-p

IC9 ⑥ 120mVp-p

H1+ H1− H2+ H2− H3+ H3− FROM TAKEUP REEL

REF NO. 2000 SERIES

VIDEO (1) BLOCK DIAGRAM

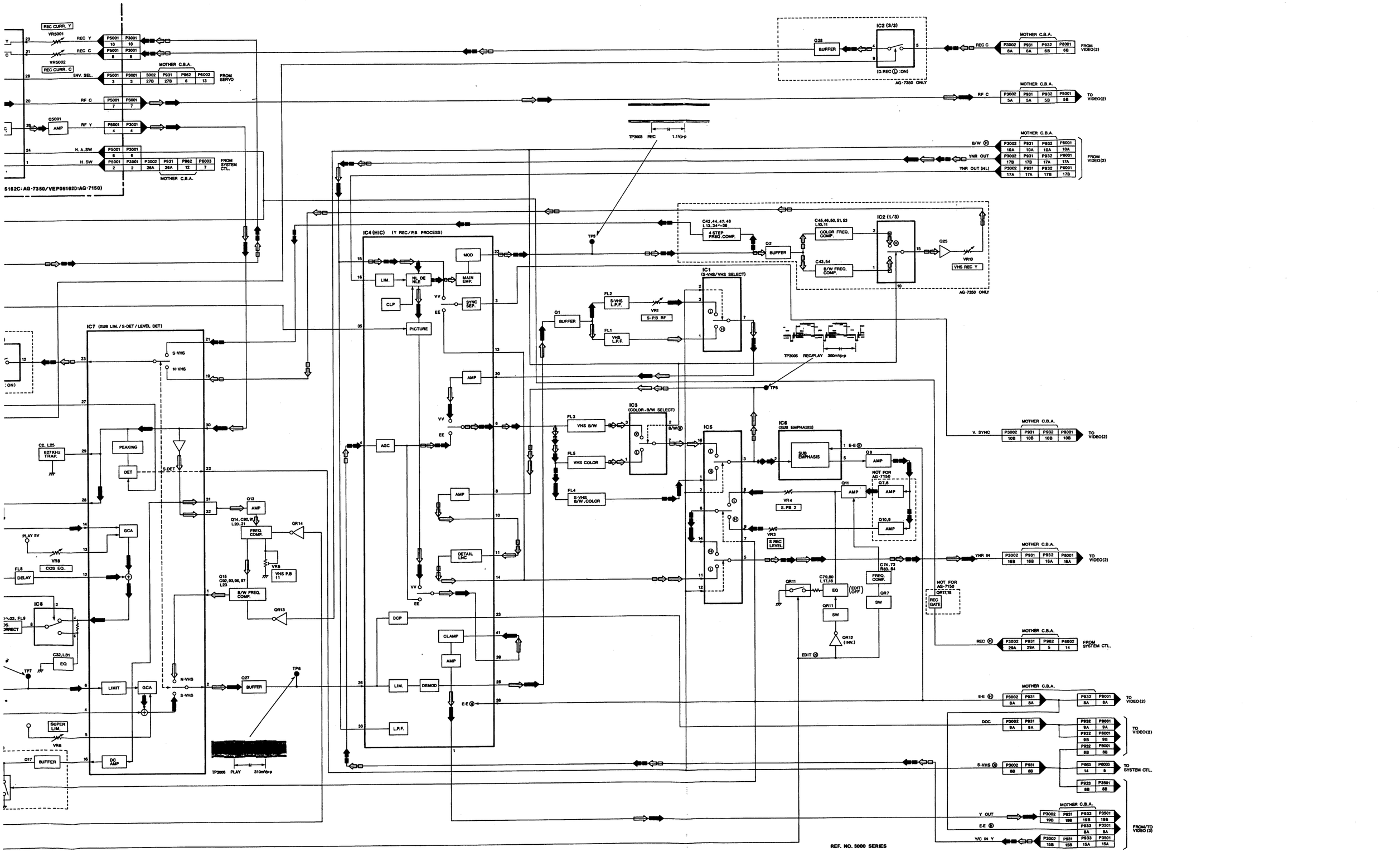


VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE (S-VHS)

VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE (VHS)

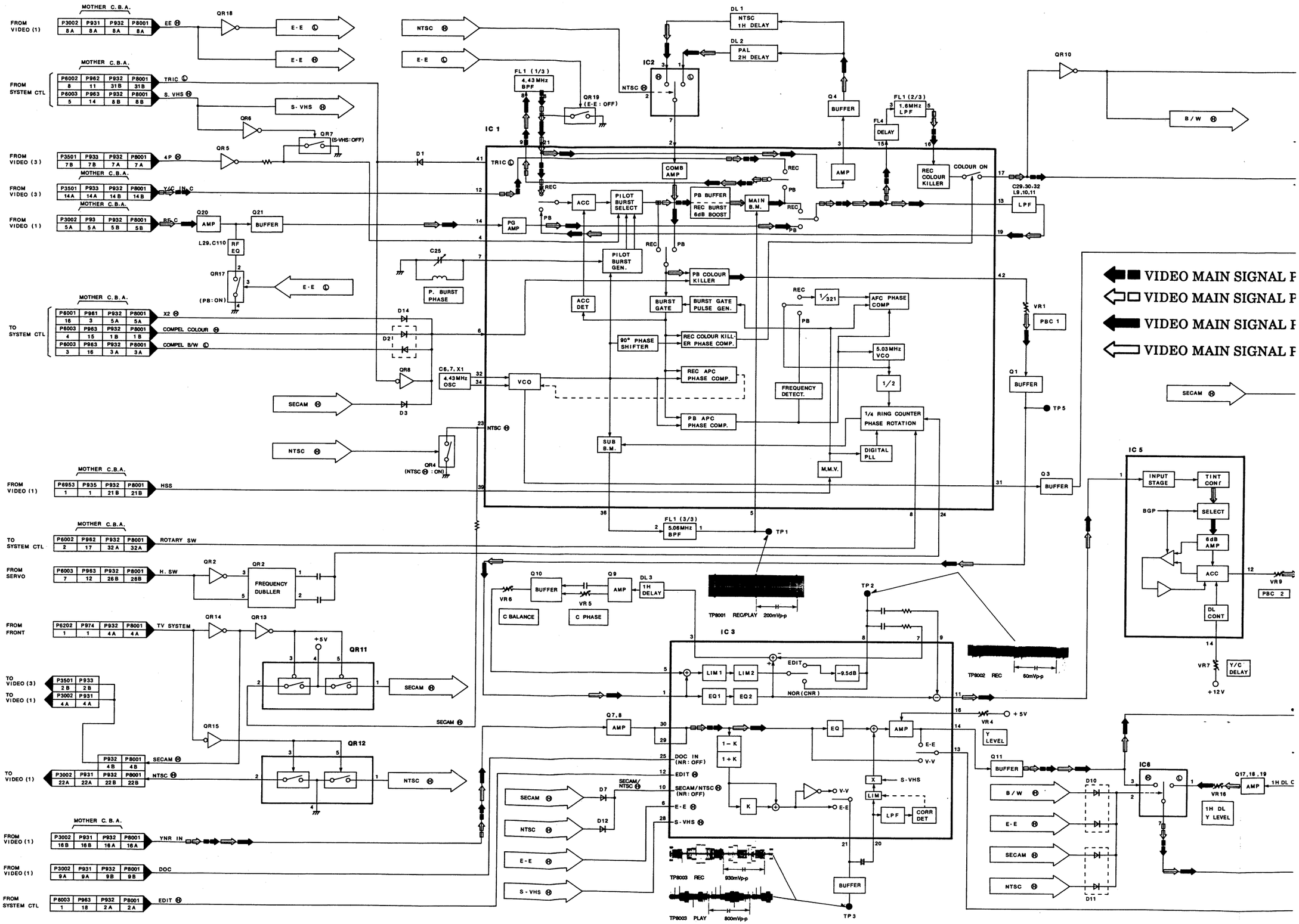
VIDEO MAIN SIGNAL PATH IN REC MODE (S-VHS)

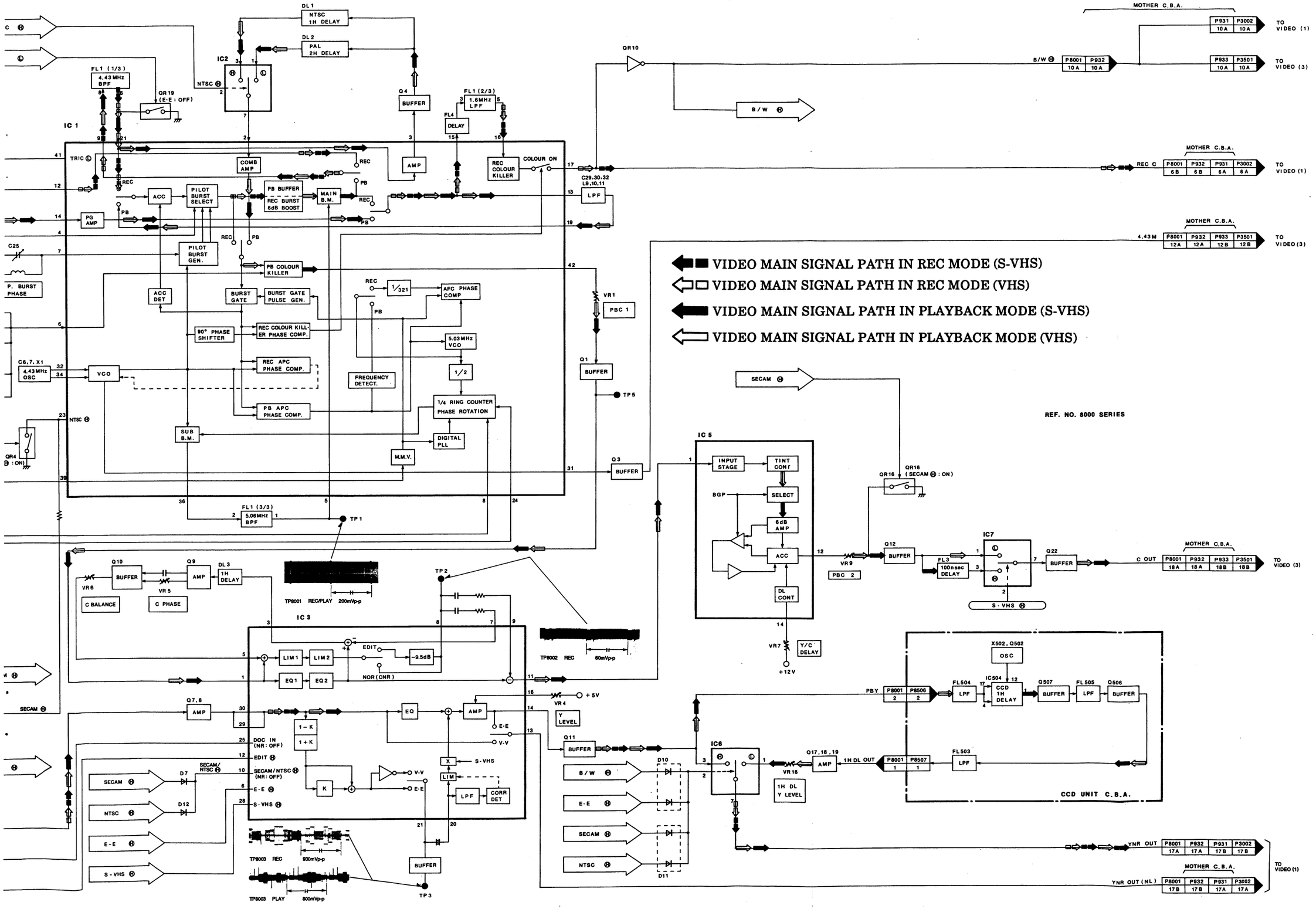
VIDEO MAIN SIGNAL PATH IN REC MODE (VHS)



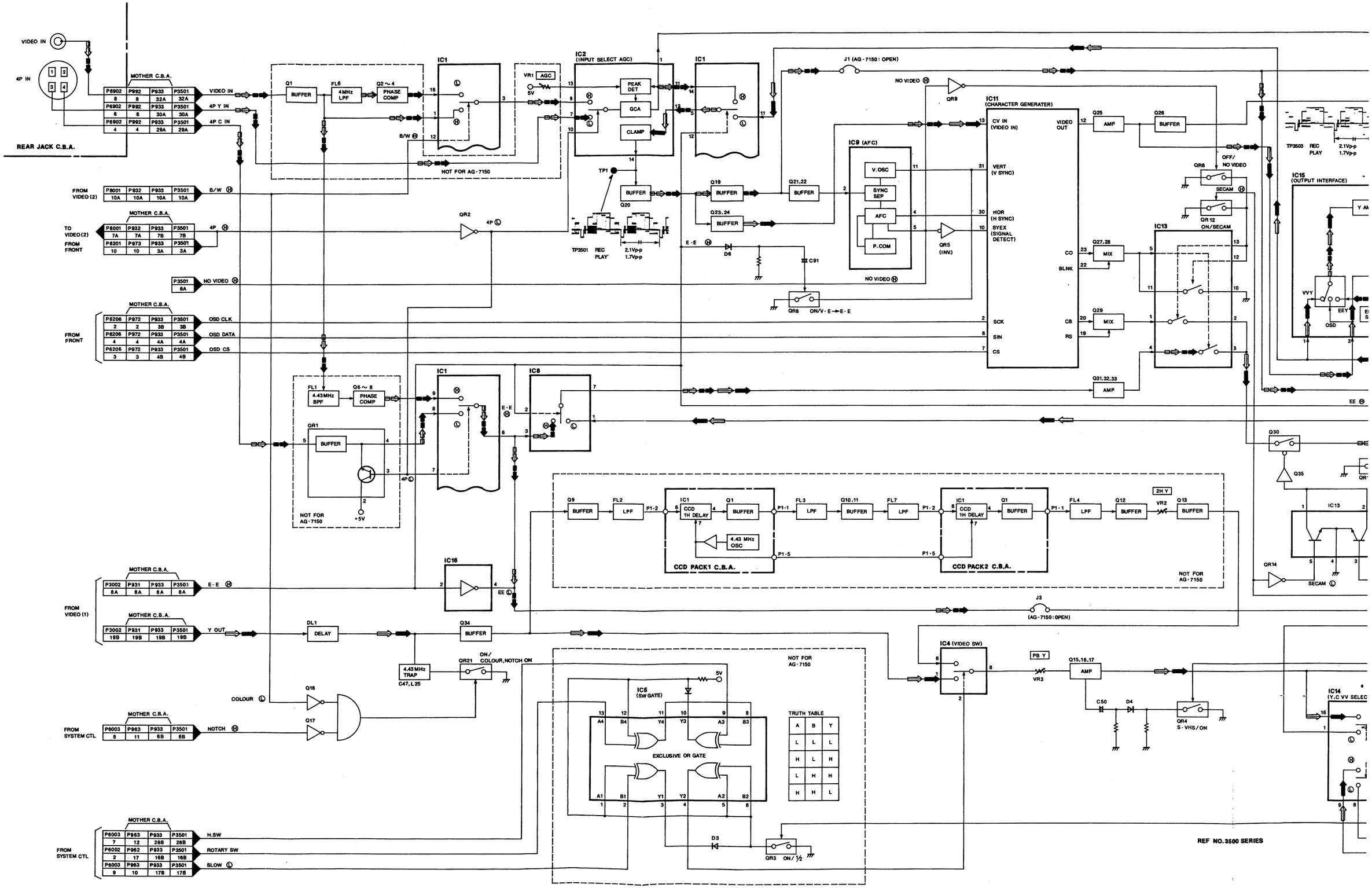
VIDE-V11134 / Druck11

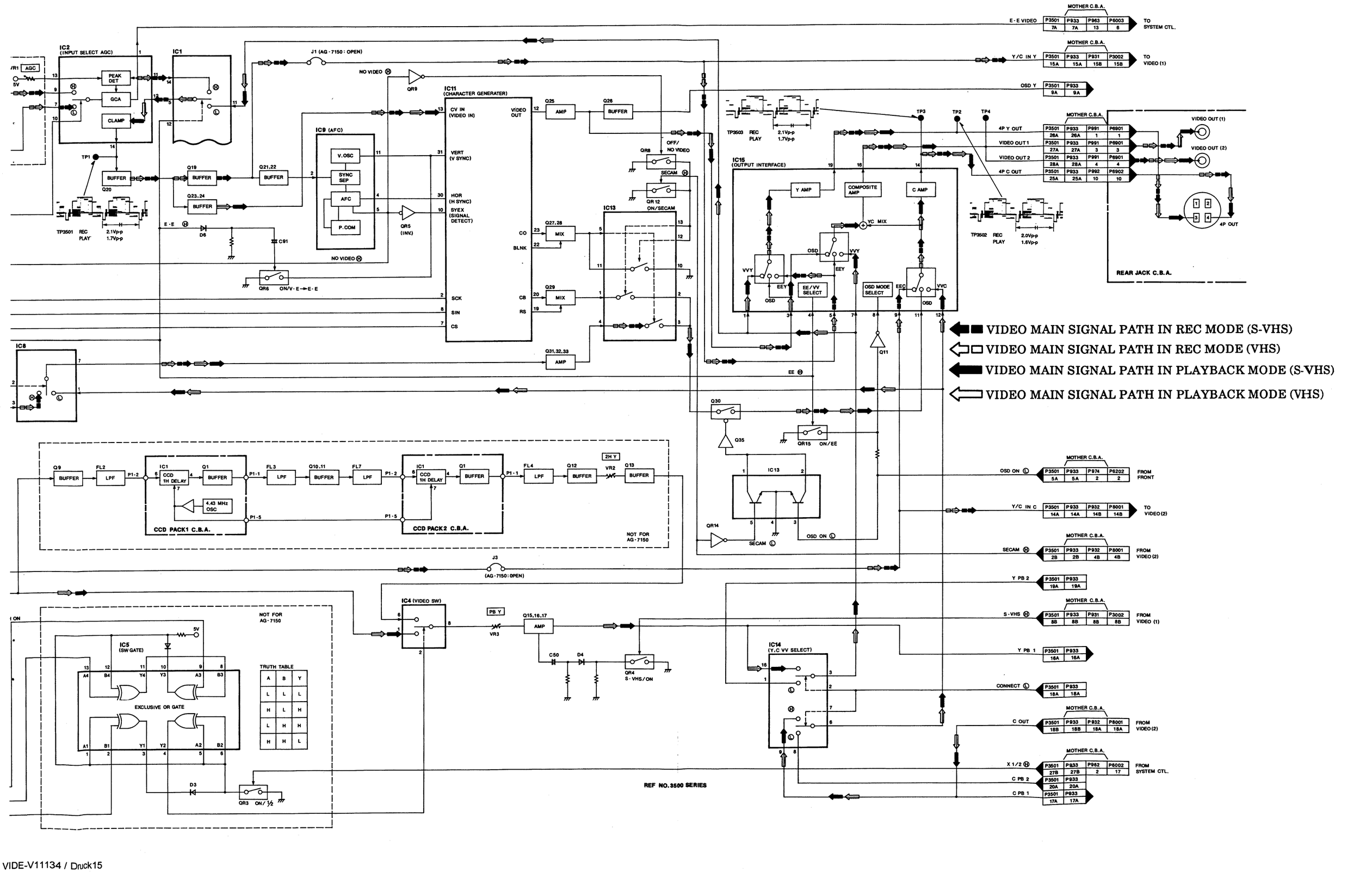
VIDEO (2) BLOCK DIAGRAM



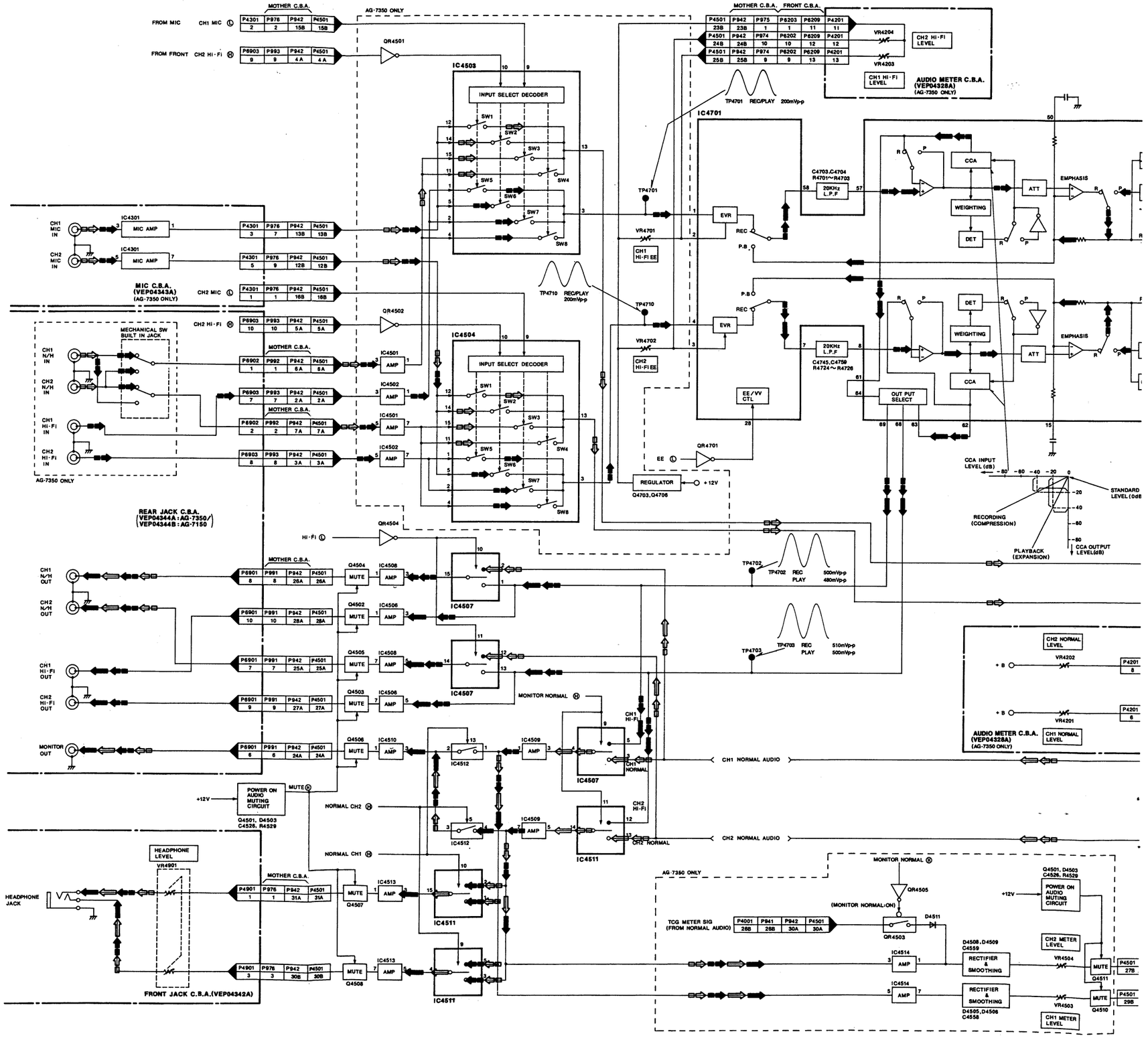

VIDEO MAIN SIGNAL PATH IN REC MODE (S-VHS)
VIDEO MAIN SIGNAL PATH IN REC MODE (VHS)
VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE (S-VHS)
VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE (VHS)
REF. NO. 8000 SERIES
IC 1
IC2
IC 3
IC 5
IC6
IC7
IC504
DL 1 NTSC 1H DELAY
DL 2 PAL 2H DELAY
FL1 (1/3) 4.43MHz BPF
FL1 (2/3) 1.8MHz LPF
FL1 (3/3) 5.06MHz BPF
FL3 100nsec DELAY
FL4 DELAY
QR10
QR16 (SECAM ⊖ : ON)
QR19 (E-E : OFF)
QR4 ⊖ : ON)
Q4 BUFFER
Q1 BUFFER
Q3 BUFFER
Q10 BUFFER
Q9 AMP
Q11 BUFFER
Q12 BUFFER
Q22 BUFFER
Q7,8 AMP
Q17,18,19 AMP
TRIC
COMB AMP
AMP
REC COLOUR KILLER
COLOUR ON
C29,30,32 L9,10,11
LPF
ACC
PILOT BURST SELECT
PB BUFFER
REC BURST 6dB BOOST
MAIN B.M.
PG AMP
PILOT BURST GEN.
PB COLOUR KILLER
ACC DET
BURST GATE
BURST GATE PULSE GEN.
1/321
AFC PHASE COMP
90° PHASE SHIFTER
REC COLOUR KILLER PHASE COMP.
5.03MHz VCO
REC APC PHASE COMP.
1/2
FREQUENCY DETECT.
PB APC PHASE COMP.
1/4 RING COUNTER PHASE ROTATION
DIGITAL PLL
M.M.V.
SUB B.M.
VCO
4.43MHz OSC
C6,7,X1
C25
P. BURST PHASE
VR1 PBC 1
TP5
TP1
TP2
TP3
DL 3 1H DELAY
VR6 C BALANCE
VR5 C PHASE
TP8001 REC/PLAY 200mVp-p
TP8002 REC 60mVp-p
TP8003 REC 930mVp-p
TP8003 PLAY 600mVp-p
LIM1
LIM2
EDIT
-9.5dB
EQ1
EQ2
NOR (CNR)
EQ
Y LEVEL
VR4 +5V
E-E
V-V
1-K
1+K
K
X
LIM
S-VHS
LPF
CORR DET
DOC IN (NR: OFF)
SECAM/NTSC (NR: OFF)
SECAM/ NTSC
D7
D12
D10
D11
B/W
E-E
SECAM
NTSC
S-VHS
INPUT STAGE
TINT CONT
SELECT
BGP
6dB AMP
ACC
DL CONT
VR9 PBC 2
VR7 Y/C DELAY
+12V
VR16 1H DL Y LEVEL
1H DL OUT
X502, Q502 OSC
CCD 1H DELAY
FL504 LPF
FL505 LPF
FL503 LPF
Q506 BUFFER
Q507 BUFFER
PBY
CCD UNIT C.B.A.
MOTHER C.B.A.
TO VIDEO (1)
TO VIDEO (3)
REC C
C OUT
4.43M
YNR OUT
YNR OUT (NL)
P931 10A
P3002 10A
P933 10A
P3501 10A
P8001 P932 10A 10A
P8001 P932 P931 P3002 6B 6B 6A 6A
P8001 P932 P933 P3501 12A 12A 12B 12B
P8001 P932 P933 P3501 18A 18A 18B 18B
P8001 P932 P931 P3002 17A 17A 17B 17B
P8001 P932 P931 P3002 17B 17B 17A 17A
P8001 P8506 2 2
P8001 P8507 1 1

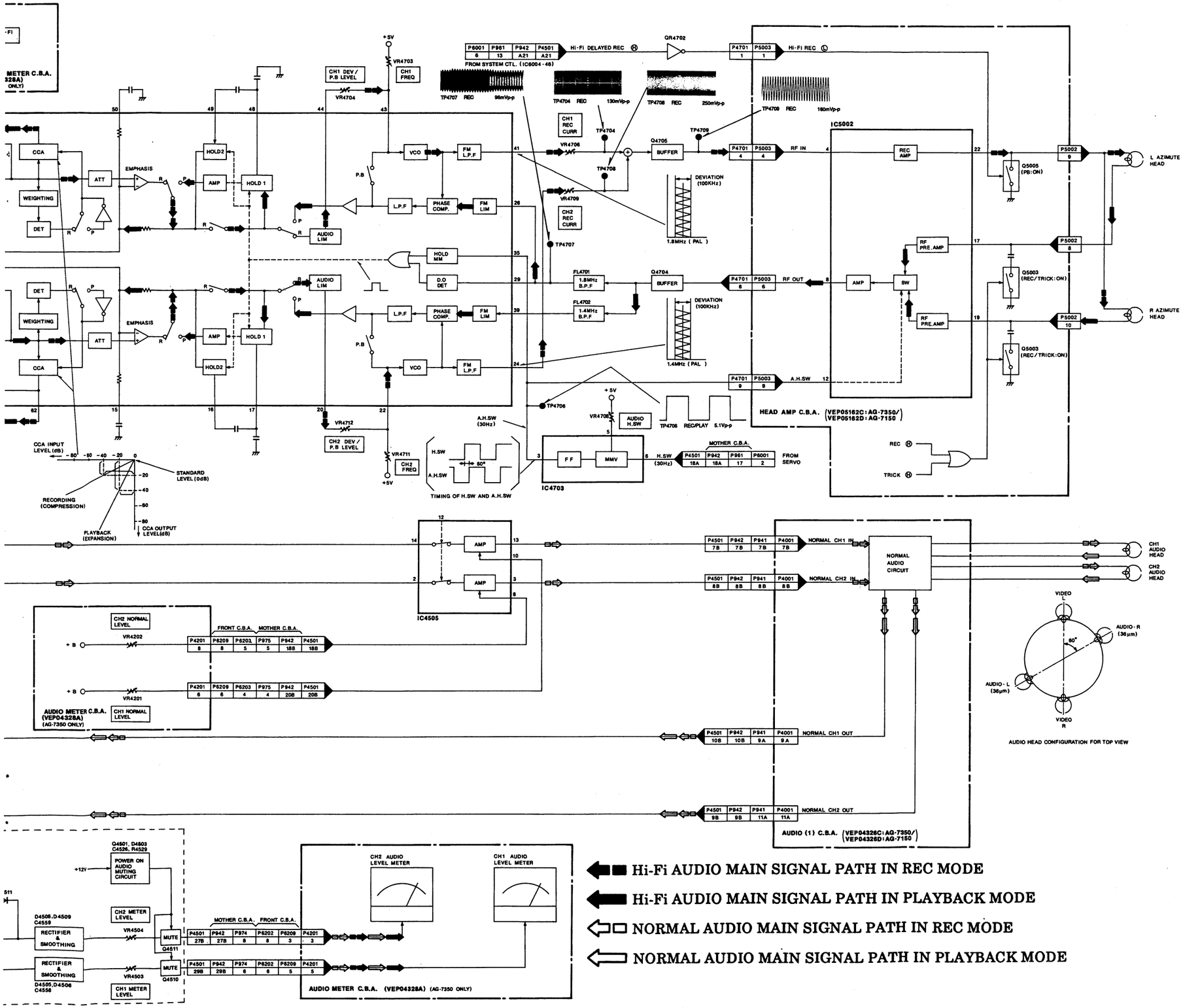
VIDEO (3) BLOCK DIAGRAM




IC2
(INPUT SELECT AGC)
PEAK DET
GCA
CLAMP
IC1
J1 (AG-7150 : OPEN)
NO VIDEO
QR9
IC11
(CHARACTER GENERATOR)
CV IN (VIDEO IN)
VIDEO OUT
VERT (V SYNC)
HOR (H SYNC)
SYEX (SIGNAL DETECT)
SCK
SIN
CS
CO
BLNK
CB
RS
Q25 AMP
Q26 BUFFER
IC9 (AFC)
V.OSC
SYNC SEP
AFC
P.COM
TP1
Q19 BUFFER
Q20 BUFFER
Q21,22 BUFFER
Q23,24 BUFFER
TP3501 REC PLAY 2.1Vp-p 1.7Vp-p
E-E
D6
C91
QR6 ON/V-E→E-E
QR5 (INV.)
IC13
Q27,28 MIX
Q29 MIX
Q31,32,33 AMP
OFF/ NO VIDEO
QR8
SECAM
QR12 ON/SECAM
TP3503 REC PLAY 2.1Vp-p 1.7Vp-p
IC15
(OUTPUT INTERFACE)
Y AMP
COMPOSITE AMP
C AMP
YC MIX
OSD
VVY
EEY
EE/VV SELECT
OSD MODE SELECT
EEC
VVC
Q11
EE
TP3502 REC PLAY 2.0Vp-p 1.6Vp-p
TP3
TP2
TP4
MOTHER C.B.A.
E-E VIDEO P3501 7A P933 7A P963 13 P6003 6 TO SYSTEM CTL.
Y/C IN Y P3501 15A P933 15A P931 15B P3002 15B TO VIDEO (1)
OSD Y P3501 9A P933 9A
4P Y OUT P3501 28A P933 26A P991 1 P6901 1
VIDEO OUT 1 P3501 27A P933 27A P991 3 P6901 3
VIDEO OUT 2 P3501 28A P933 28A P991 4 P6901 4
4P C OUT P3501 25A P933 25A P992 10 P6902 10
VIDEO OUT (1)
VIDEO OUT (2)
4P OUT
REAR JACK C.B.A.
IC8
Q9 BUFFER
FL2 LPF
P1-2
IC1 CCD 1H DELAY
Q1 BUFFER
P1-1
FL3 LPF
Q10,11 BUFFER
FL7 LPF
P1-2
IC1 CCD 1H DELAY
Q1 BUFFER
P1-1
FL4 LPF
Q12 BUFFER
2H Y
VR2
Q13 BUFFER
4.43 MHz OSC
P1-5
CCD PACK1 C.B.A.
CCD PACK2 C.B.A.
NOT FOR AG-7150
Q30
Q35
QR15 ON/EE
IC13
QR14
SECAM Ⓛ
OSD ON Ⓛ
OSD ON Ⓛ P3501 5A P933 5A P974 2 P6202 2 FROM FRONT
Y/C IN C P3501 14A P933 14A P932 14B P8001 14B TO VIDEO (2)
SECAM Ⓗ P3501 2B P933 2B P932 4B P8001 4B FROM VIDEO (2)
Y PB 2 P3501 19A P933 19A
S-VHS Ⓗ P3501 8B P933 8B P931 8B P3002 8B FROM VIDEO (1)
Y PB 1 P3501 16A P933 16A
CONNECT Ⓛ P3501 18A P933 18A
C OUT P3501 18B P933 18B P932 18A P8001 18A FROM VIDEO (2)
X 1/2 Ⓗ P3501 27B P933 27B P962 2 P6002 17 FROM SYSTEM CTL.
C PB 2 P3501 20A P933 20A
C PB 1 P3501 17A P933 17A
J3
(AG-7150:OPEN)
IC4 (VIDEO SW)
PB Y
VR3
Q15,16,17 AMP
C50
D4
QR4 S-VHS/ON
IC14
(Y,C VV SELECT)
NOT FOR AG-7150
IC5
(SW GATE)
TRUTH TABLE
A B Y
L L L
H L H
L H H
H H L
EXCLUSIVE OR GATE
D3
QR3 ON/½
REF NO.3500 SERIES
VIDEO MAIN SIGNAL PATH IN REC MODE (S-VHS)
VIDEO MAIN SIGNAL PATH IN REC MODE (VHS)
VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE (S-VHS)
VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE (VHS)

Hi-Fi AUDIO BLOCK DIAGRAM

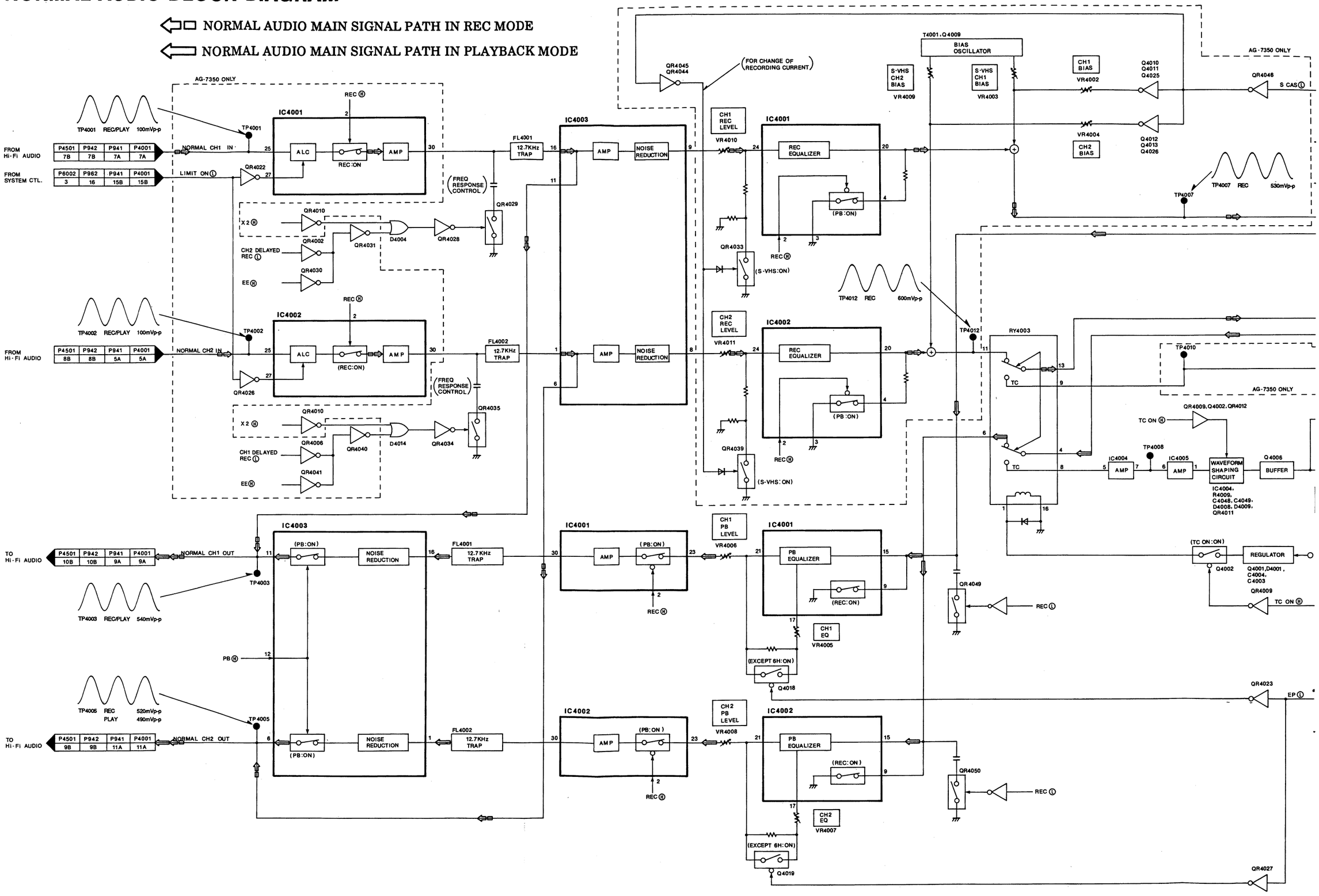


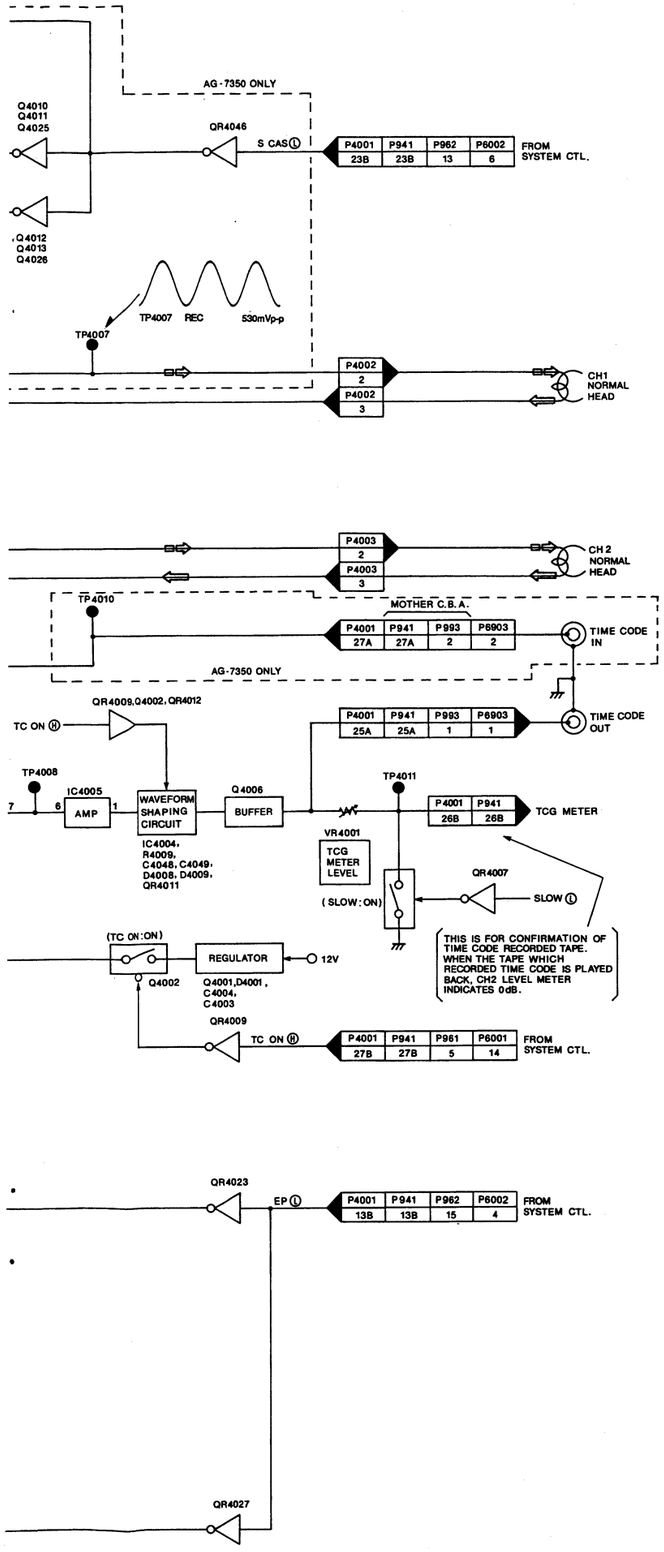

METER C.B.A. (328A) ONLY)
+5V
VR4703
CH1 FREQ
CH1 DEV / P.B LEVEL
VR4704
P6001 P961 P942 P4501
6 13 A21 A21
HI-FI DELAYED REC
QR4702
FROM SYSTEM CTL. (IC6004-46)
P4701 P5003
1 1
HI-FI REC
TP4707 REC 96mVp-p
TP4704 REC 130mVp-p
TP4708 REC 250mVp-p
TP4709 REC 160mVp-p
CH1 REC CURR
TP4704
TP4709
IC5002
VR4706
Q4705
BUFFER
TP4708
P4701 P5003
4 4
RF IN
REC AMP
Q5005 (PB:ON)
P5002 9
L AZIMUTE HEAD
DEVIATION (100KHz)
1.8MHz (PAL)
VR4709
CH2 REC CURR
TP4707
RF PRE.AMP
P5002 8
Q5003 (REC/TRICK:ON)
FL4701 1.8MHz B.P.F
Q4704
BUFFER
P4701 P5003
6 6
RF OUT
AMP
SW
FL4702 1.4MHz B.P.F
DEVIATION (100KHz)
1.4MHz (PAL)
RF PRE.AMP
P5002 10
R AZIMUTE HEAD
Q5003 (REC/TRICK:ON)
P4701 P5003
9 9
A.H.SW
TP4706
+5V
VR4708
AUDIO H.SW
TP4706 REC/PLAY 5.1Vp-p
HEAD AMP C.B.A. (VEP05162C:AG-7350/ VEP05162D:AG-7150)
REC
TRICK
CCA
ATT
WEIGHTING
DET
EMPHASIS
AMP
HOLD2
HOLD 1
AUDIO LIM
VCO
FM L.P.F
L.P.F
PHASE COMP.
FM LIM
P.B
HOLD MM
D.O DET
CCA INPUT LEVEL (dB)
STANDARD LEVEL (0dB)
RECORDING (COMPRESSION)
PLAYBACK (EXPANSION)
CCA OUTPUT LEVEL(dB)
VR4712
CH2 DEV / P.B LEVEL
VR4711
CH2 FREQ
A.H.SW (30Hz)
H.SW
A.H.SW
TIMING OF H.SW AND A.H.SW
F.F
MMV
IC4703
MOTHER C.B.A.
P4501 P942 P961 P6001
18A 18A 17 2
H.SW (30Hz)
FROM SERVO
IC4505
CH2 NORMAL LEVEL
VR4202
VR4201
CH1 NORMAL LEVEL
FRONT C.B.A.
MOTHER C.B.A.
P4201 P6209 P6203 P975 P942 P4501
8 8 5 5 18B 18B
P4201 P6209 P6203 P975 P942 P4501
6 6 4 4 20B 20B
AUDIO METER C.B.A. (VEP04328A) (AG-7350 ONLY)
P4501 P942 P941 P4001
7B 7B 7B 7B
NORMAL CH1 IN
P4501 P942 P941 P4001
8B 8B 8B 8B
NORMAL CH2 IN
NORMAL AUDIO CIRCUIT
CH1 AUDIO HEAD
CH2 AUDIO HEAD
VIDEO L
AUDIO - R (38μm)
AUDIO - L (38μm)
VIDEO R
AUDIO HEAD CONFIGURATION FOR TOP VIEW
P4501 P942 P941 P4001
10B 10B 9A 9A
NORMAL CH1 OUT
P4501 P942 P941 P4001
9B 9B 11A 11A
NORMAL CH2 OUT
AUDIO (1) C.B.A. (VEP04326C:AG-7350/ VEP04326D:AG-7150)
Q4501, D4503 C4526, R4529
+12V
POWER ON AUDIO MUTING CIRCUIT
D4508,D4509 C4559
RECTIFIER & SMOOTHING
D4505,D4506 C4558
CH2 METER LEVEL
CH1 METER LEVEL
VR4504
VR4503
MUTE
Q4511
Q4510
MOTHER C.B.A.
FRONT C.B.A.
P4501 P942 P974 P6202 P8209 P4201
27B 27B 8 8 3 3
P4501 P942 P974 P6202 P8209 P4201
29B 29B 6 6 5 5
CH2 AUDIO LEVEL METER
CH1 AUDIO LEVEL METER
AUDIO METER C.B.A. (VEP04328A) (AG-7350 ONLY)
Hi-Fi AUDIO MAIN SIGNAL PATH IN REC MODE
Hi-Fi AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE
NORMAL AUDIO MAIN SIGNAL PATH IN REC MODE
NORMAL AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE

NORMAL AUDIO BLOCK DIAGRAM

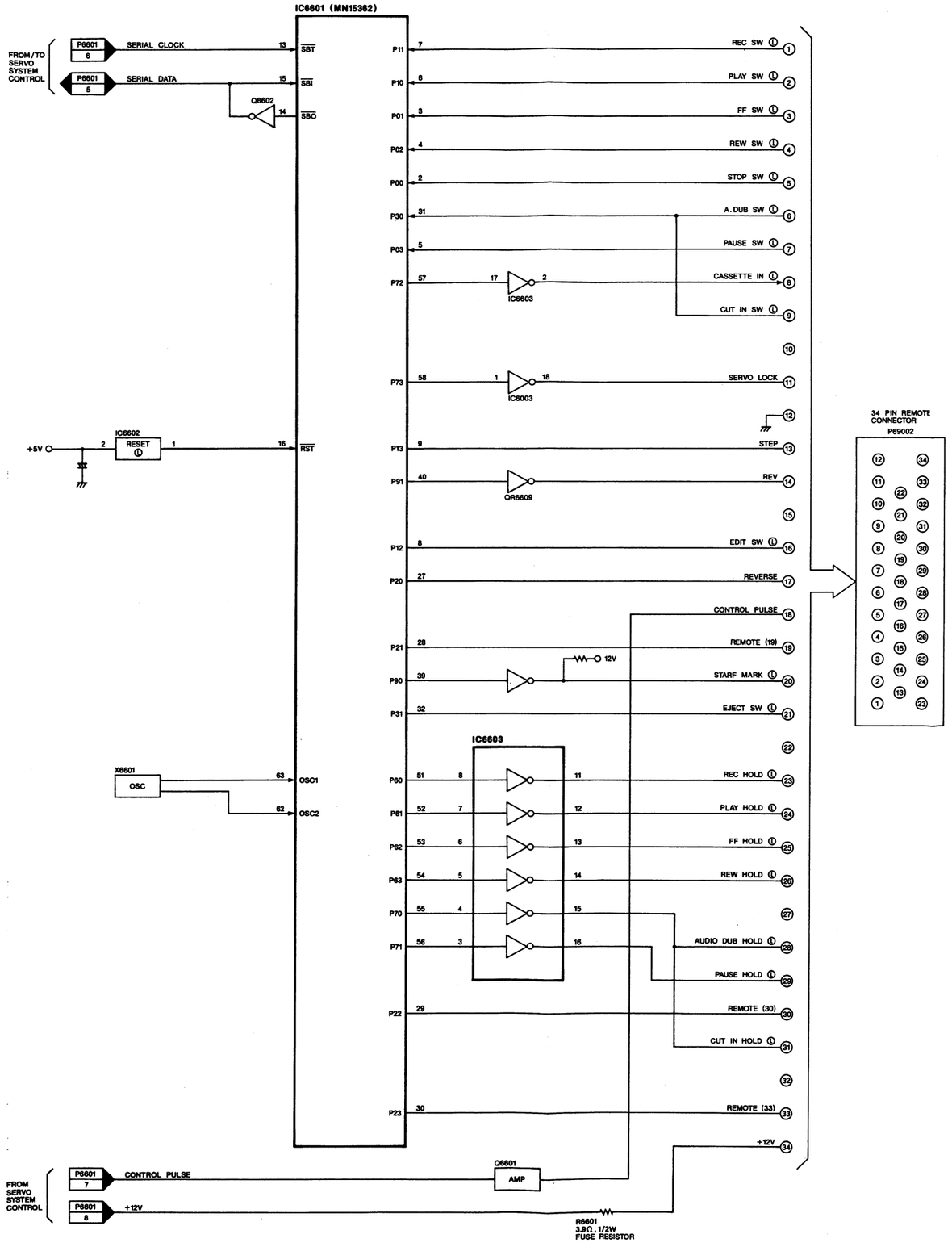
NORMAL AUDIO MAIN SIGNAL PATH IN REC MODE

NORMAL AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE





34P INTERFACE BLOCK DIAGRAM



SW POWER SUPPLY C.B.A. (VEP01502A), SUB POWER SUPPLY C.B.A. (VEP01503A) AND POWER CONNECTION C.B.A. (VEP01478B)

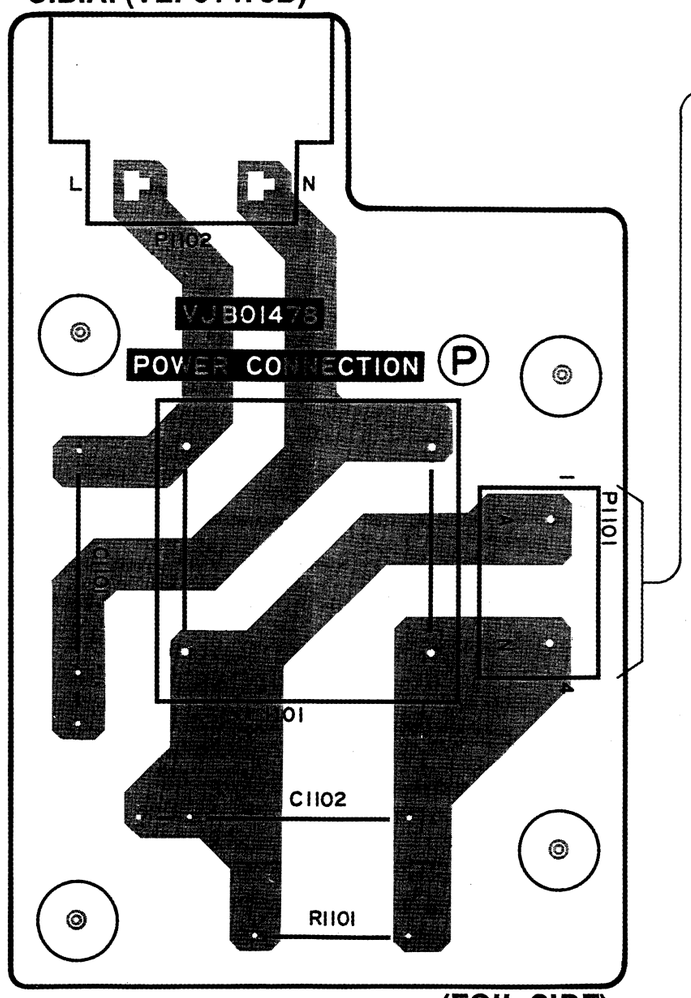
POWER CONNECTION C.B.A.	
Connector	
P1101 P1102	B-2 Ⓕ B-1 Ⓕ

ADDRESS INFORMATION
Ⓒ...COMPONENT SIDE
Ⓕ...FOIL SIDE

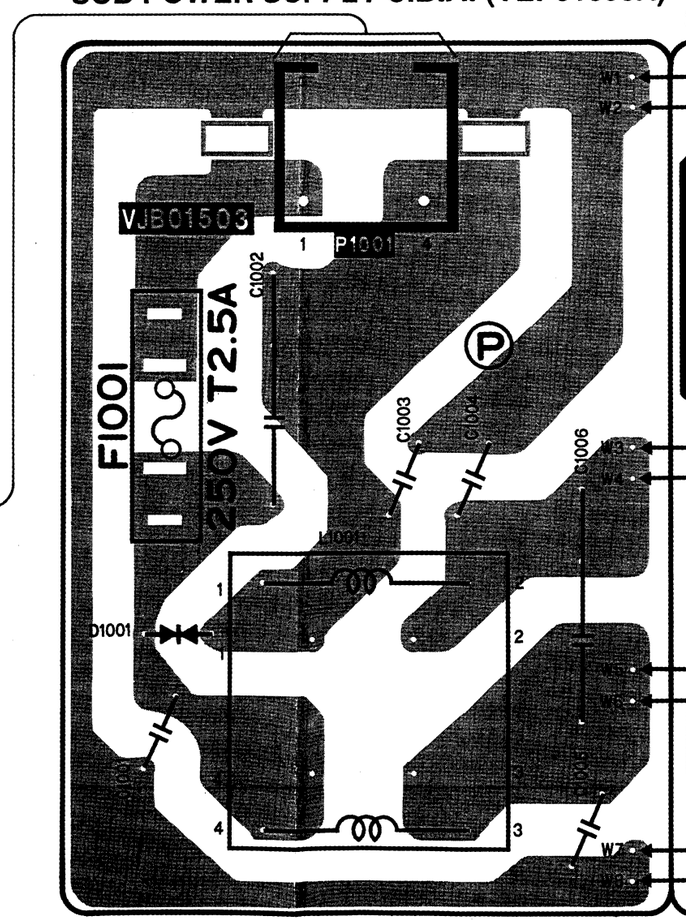
SUB POWER SUPPLY C.B.A.	
Connector	
P1101	B-3 Ⓕ

ADDRESS INFORMATION
Ⓒ...COMPONENT SIDE
Ⓕ...FOIL SIDE

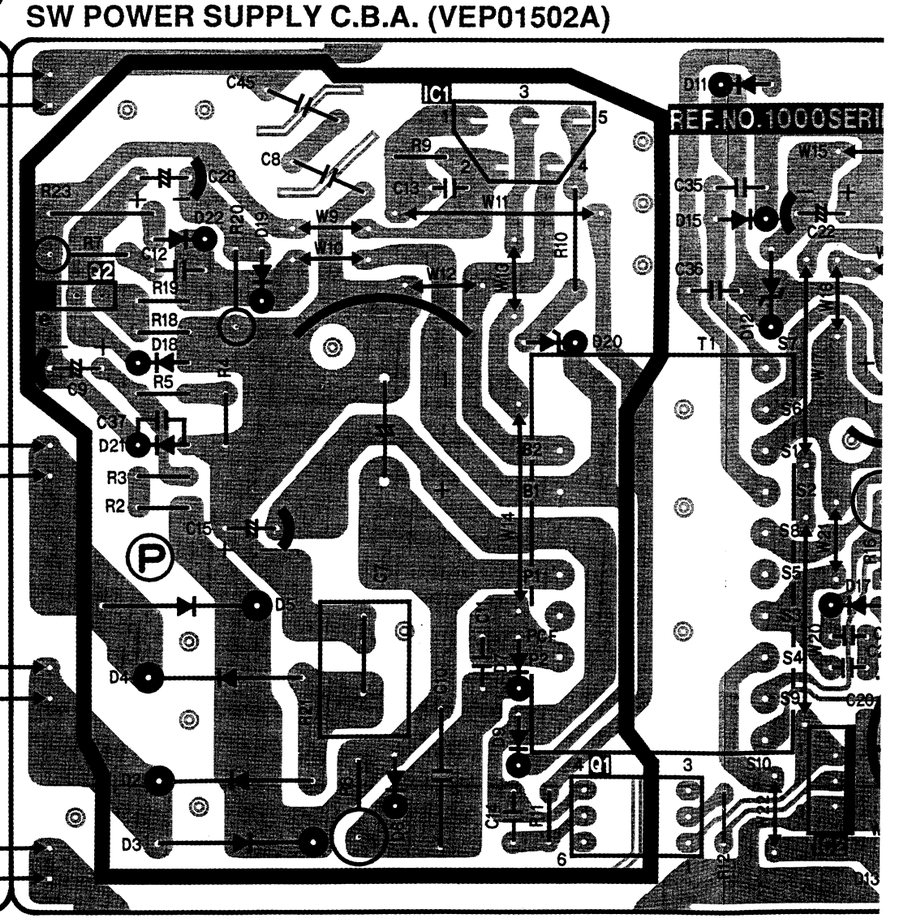
POWER CONNECTION
C.B.A. (VEP01478B)



SUB POWER SUPPLY C.B.A. (VEP01503A)



SW POWER SUPPLY C.B.A. (VEP01502A)



Section 7

SCHEMATIC DIAGRAMS AND CIRCUIT BOARDS

CONTENTS

SW POWER SUPPLY C.B.A., SUB POWER SUPPLY C.B.A.
AND POWER CONNECTION C.B.A. SCM-3
POWER SUPPLY SCM-3
SERVO & SYSTEM CONTROL C.B.A., SERVO TP C.B.A.,
SERVO VR C.B. AND MOTOR BASE C.B.A. SCM-4
SYSTEM CONTROL SCM-5
SERVO SCM-6
POWER DETECTION C.B.A. SCM-7
POWER DETECTION SCM-7
REEL SERVO C.B.A. SCM-8
REEL SERVO SCM-9
MOTHER C.B.A. AND MIC C.B.A. SCM-10
MOTHER SCM-11
VIDEO (1) C.B.A. SCM-12
VIDEO (1) SCM-13
VIDEO (3) SCM-14
VIDEO (3) C.B.A., CCD PACK (1) C.B.A. AND CCD PACK (2) C.B.A. SCM-15
VIDEO (2) SCM-16
VIDEO (2) C.B.A. AND CCD UNIT C.B.A. SCM-17
AUDIO (2) C.B.A. SCM-18
AUDIO (2) SCM-19
AUDIO (1) C.B.A. SCM-20
AUDIO (1) SCM-21
FRONT C.B.A., AUDIO METER C.B.A., FRONT JACK C.B.A.
AND SEARCH DIAL UNIT SCM-22
FRONT SCM-23
HEAD AMP C.B.A. SCM-24
HEAD AMP SCM-24
REAR JACK C.B.A. SCM-25
REAR JACK SCM-25
34P C.B.A. SCM-26
34P INTERFACE SCM-26
INTERCONNECTION SCM-27

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.

NOTE : THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THESE DIAGRAMS IS REC MODE.
THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE OUT OF BRACKETS ON THESE DIAGRAMS IS STOP MODE.
MEASUREMENT SIGNAL ... PAL COLOUR SIGNAL. MEASUREMENT TAPE ... S-VHS TAPE.

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.

;A) AND POWER CONNECTION C.B.A. (VEP01478B)

OWER SUPPLY C.B.A.	
ıctor	
)1	B-3 Ⓕ

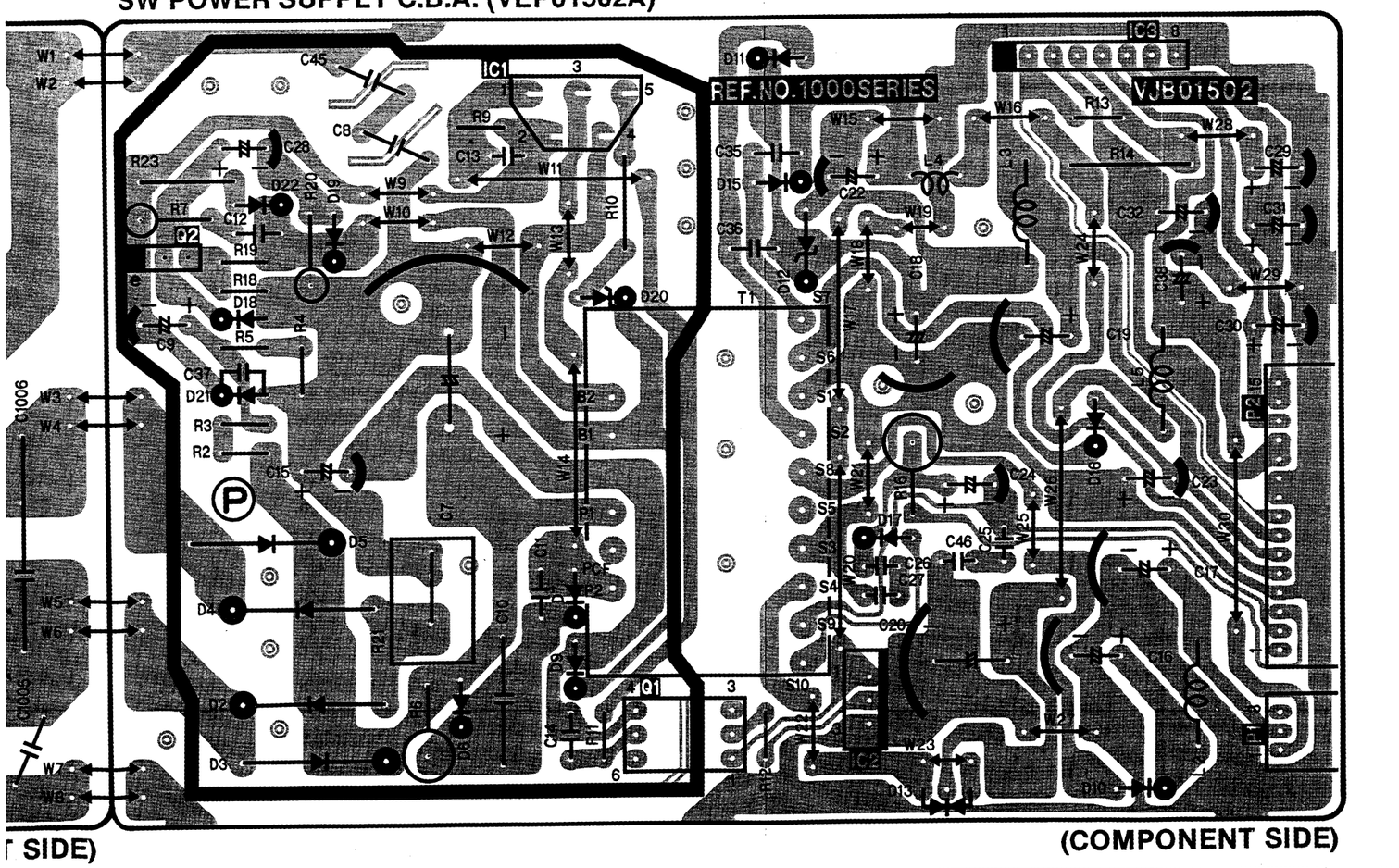
S INFORMATION
MPONENT SIDE
L SIDE

SW POWER SUPPLY C.B.A.	
Transistor	
Q1001	A-5 Ⓕ
Q1002	B-4 Ⓕ
Integrated Circuit	
IC1001	C-5 Ⓕ
IC1002	A-6 Ⓕ
IC1003	C-7 Ⓕ
Connector	
P1001	A-7 Ⓕ
P1002	B-7 Ⓕ

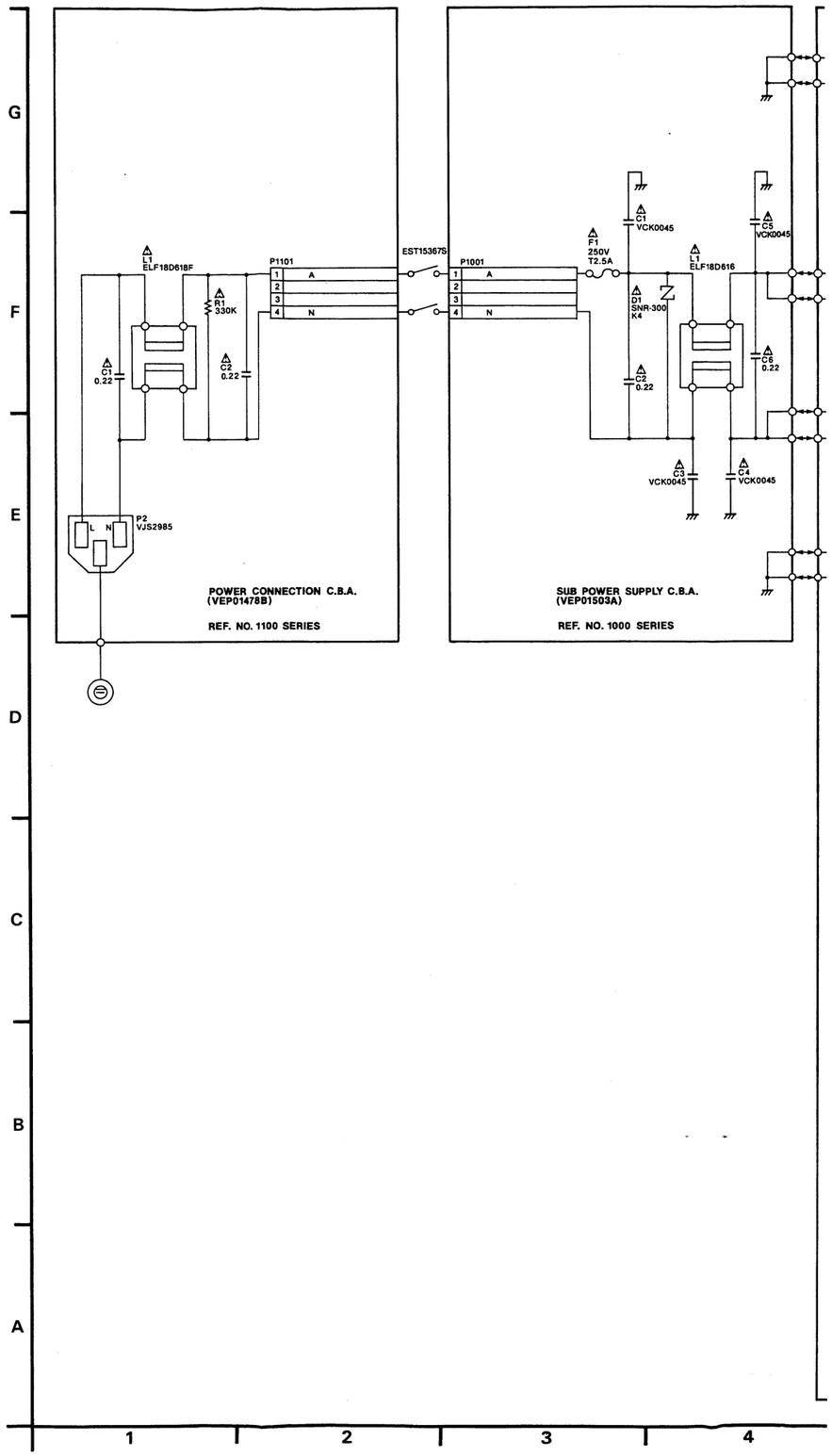
ADDRESS INFORMATION
Ⓒ... COMPONENT SIDE
Ⓕ... FOIL SIDE

)1503A)

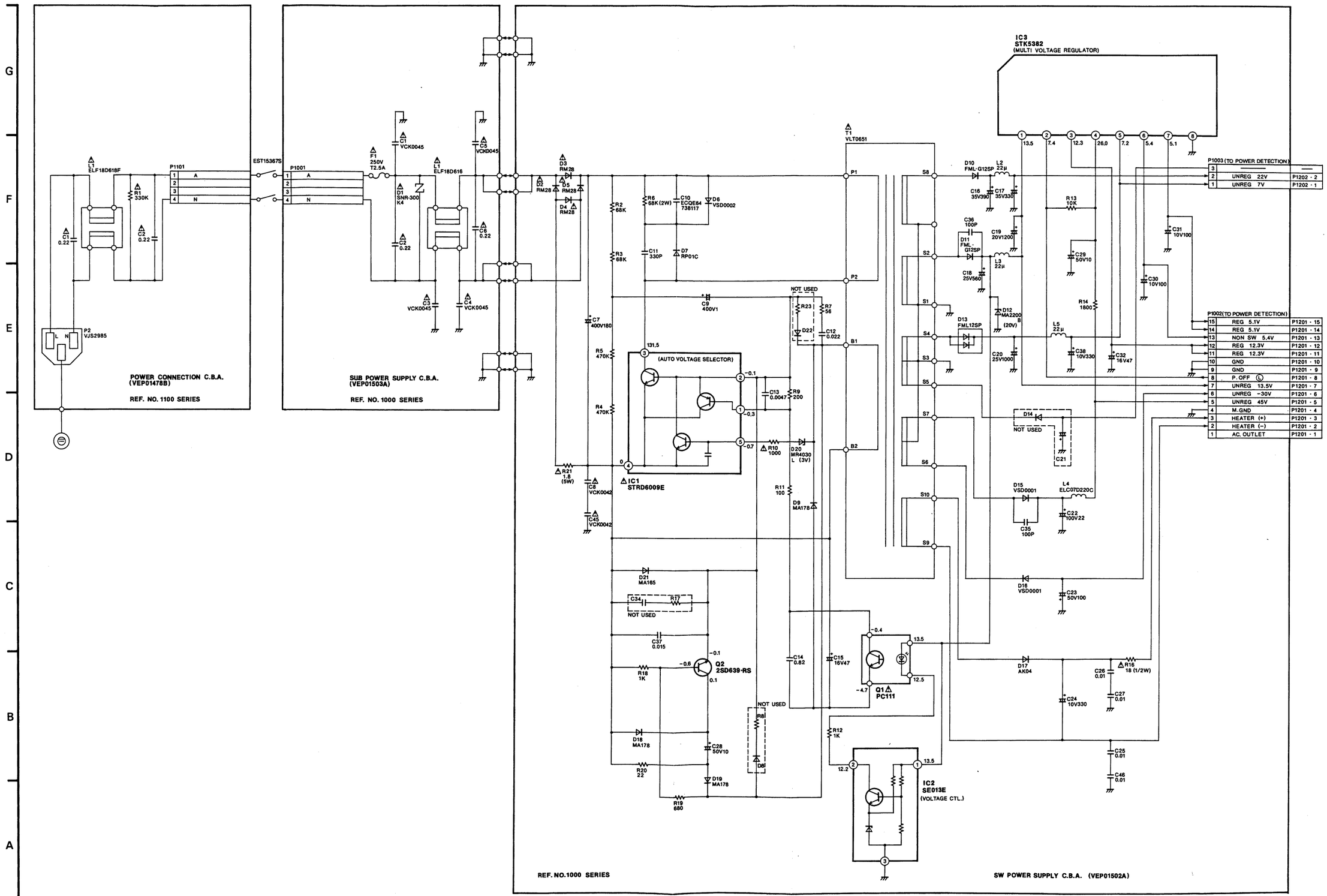
SW POWER SUPPLY C.B.A. (VEP01502A)



POWER SUPPLY SCHEMATIC DIAGRAM

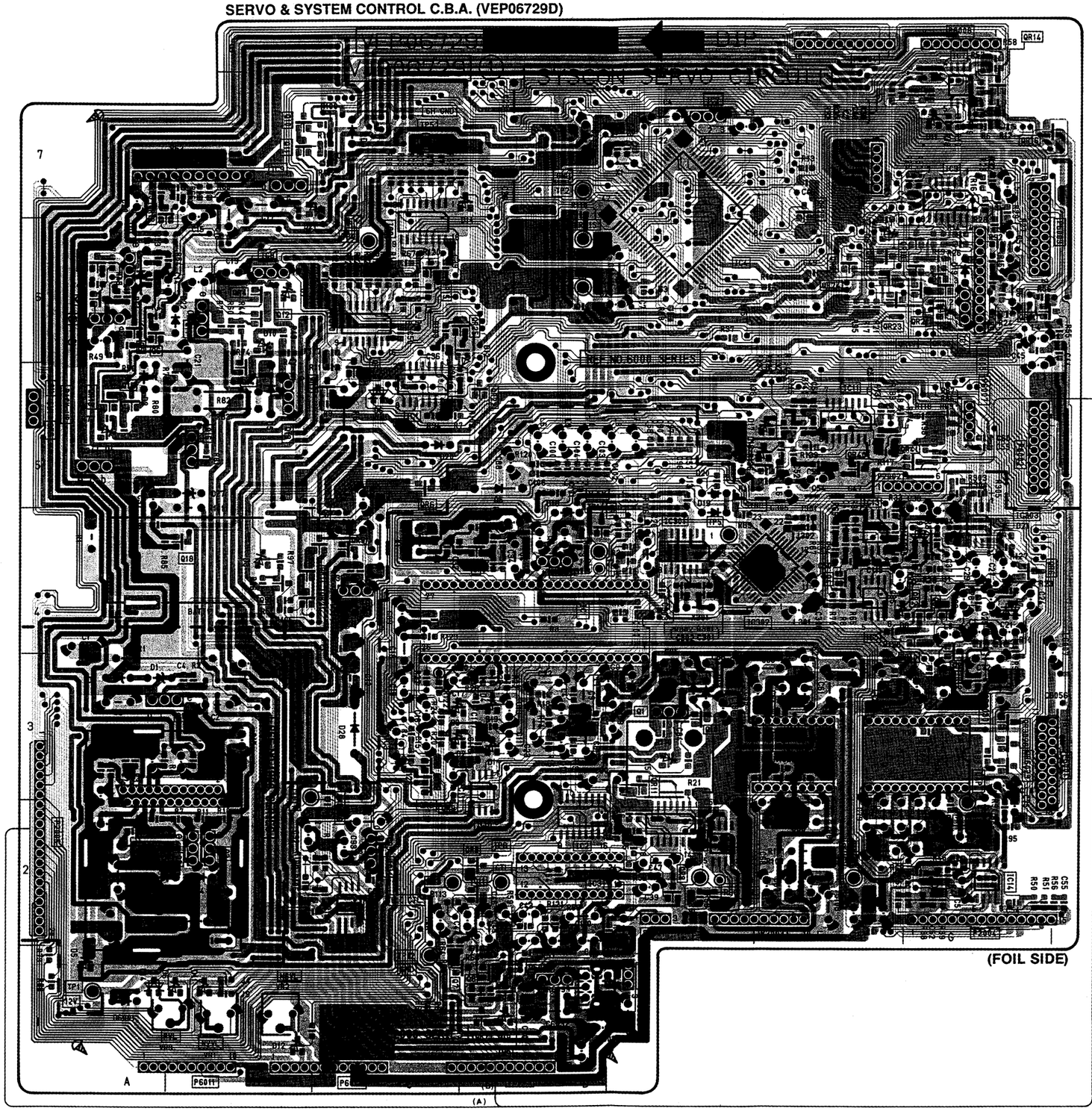


POWER SUPPLY SCHEMATIC DIAGRAM

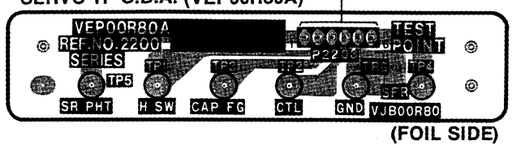


SERVO & SYSTEM CONTROL C.B.A. (VEP06729D), SERVO TP C.B.A. (VEP00R80A), SERVO VR C.B.A. (VEP00R51B) AND MOTOR BASE C.B.A.

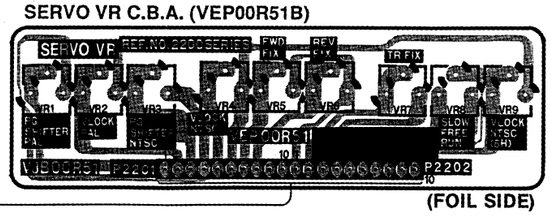
SERVO & SYSTEM CONTROL C.B.A. (VEP06729D)



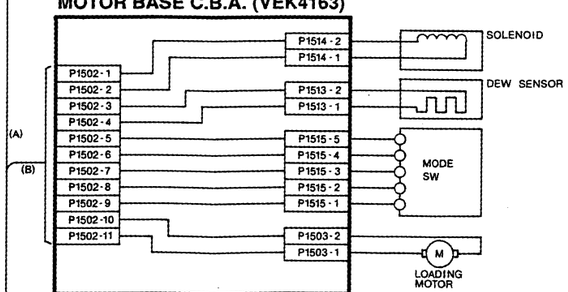
SERVO TP C.B.A. (VEP00R80A)



SERVO VR C.B.A. (VEP00R51B)

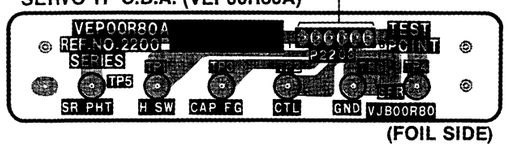


MOTOR BASE C.B.A. (VEK4163)



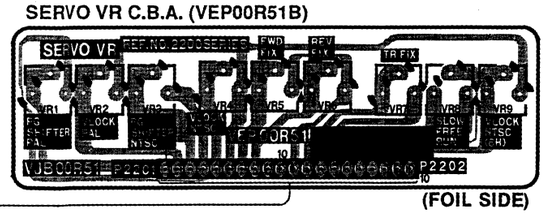
'R C.B.A. (VEP00R51B) AND MOTOR BASE C.B.A. (VEK4163)

SERVO TP C.B.A. (VEP00R80A)



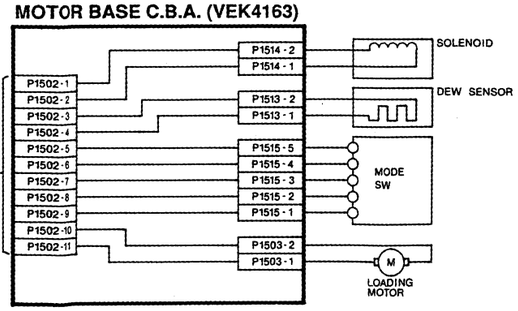
(FOIL SIDE)

SERVO VR C.B.A. (VEP00R51B)



(FOIL SIDE)

MOTOR BASE C.B.A. (VEK4163)



SERVO & SYSTEM CONTROL C.B.A. & MOTOR BASE C.B.A.					
Transistor			IC2002	B-4	Ⓕ
Q1901	C-2	Ⓕ	IC2003	B-4	Ⓕ
Q1902	B-2	Ⓕ	IC2005	C-5	Ⓕ
Q1903	B-2	Ⓕ	IC2006	B-4	Ⓕ
Q2001	C-4	Ⓕ	IC2008	B-3	Ⓕ
Q2002	C-5	Ⓕ	IC2009	B-5	Ⓕ
Q2003	C-5	Ⓕ	IC2010	C-3	Ⓕ
Q2004	C-5	Ⓕ	IC2011	B-3	Ⓕ
Q2005	C-3	Ⓕ	IC2012	B-5	Ⓕ
Q2006	A-3	Ⓕ	IC2013	D-5	Ⓕ
Q2007	A-3	Ⓕ	IC2014	B-6	Ⓕ
Q2008	A-3	Ⓕ	IC2015	B-4	Ⓕ
Q2010	C-4	Ⓕ	IC2016	B-3	Ⓕ
Q2011	B-3	Ⓕ	IC2301	D-4	Ⓕ
Q6001	C-2	Ⓕ	IC2302	C-4	Ⓕ
Q6002	E-1	Ⓕ	IC2303	D-6	Ⓕ
Q6003	E-1	Ⓕ	IC6001	D-3	Ⓕ
Q6004	E-1	Ⓕ	IC6002	F-4	Ⓕ
Q6005	E-1	Ⓕ	IC6003	E-5	Ⓕ
Q6006	D-1	Ⓕ	IC6004	E-4	Ⓕ
Q6007	A-3	Ⓕ	IC6005	E-2	Ⓕ
Q6009	C-2	Ⓕ	IC6006	E-3	Ⓕ
Q6010	F-2	Ⓕ	IC6007	F-5	Ⓕ
Q6011	F-2	Ⓕ	IC6008	E-2	Ⓕ
Q6012	E-2	Ⓕ	IC6009	E-2	Ⓕ
Q6013	D-2	Ⓕ	IC6010	E-2	Ⓕ
Q6014	D-2	Ⓕ	IC6011	D-5	Ⓕ
Q6015	D-1	Ⓕ	IC6012	D-5	Ⓕ
Q6016	D-2	Ⓕ	**Test Point**		
Q6017	E-2	Ⓕ	TP1901	A-1	Ⓕ
Q6018	C-2	Ⓕ	TP2001	D-4	Ⓕ
Q6024	D-1	Ⓕ	TP2002	B-5	Ⓕ
Transistor & Resistor			TP2003	B-3	Ⓕ
QR2001	D-4	Ⓕ	TP2005	D-4	Ⓕ
QR2002	C-5	Ⓕ	TP2007	B-4	Ⓕ
QR2003	B-4	Ⓕ	TP2008	B-3	Ⓕ
QR2005	B-3	Ⓕ	TP2011	B-2	Ⓕ
QR2006	C-6	Ⓕ	TP2012	A-3	Ⓕ
QR2007	A-3	Ⓕ	TP2013	B-6	Ⓕ
QR2008	B-3	Ⓕ	TP6001	E-4	Ⓕ
QR2009	B-3	Ⓕ	TP6002	E-3	Ⓕ
QR2010	C-5	Ⓕ	TP6003	E-4	Ⓕ
QR2011	B-4	Ⓕ	TP6004	E-2	Ⓕ
QR3028	B-6	Ⓕ	TP6005	F-3	Ⓕ
QR6001	C-2	Ⓕ	**Adjustment**		
QR6002	C-2	Ⓕ	VR2001	A-2	Ⓕ
QR6003	E-5	Ⓕ	VR2002	A-2	Ⓕ
QR6004	E-2	Ⓕ	VR2003	A-1	Ⓕ
QR6006	D-3	Ⓕ	**Connector**		
QR6007	D-2	Ⓕ	P1502	B-7	Ⓕ
QR6008	E-5	Ⓕ	P1503	B-7	Ⓕ
QR6009	C-2	Ⓕ	P1513	B-7	Ⓕ
QR6010	E-1	Ⓕ	P1514	B-7	Ⓕ
QR6011	E-6	Ⓕ	P1515	B-7	Ⓕ
QR6012	E-1	Ⓕ	P2001	A-4	Ⓕ
QR6013	D-1	Ⓕ	P2002	D-5	Ⓕ
QR6014	F-6	Ⓕ	P2003	A-5	Ⓕ
QR6015	E-3	Ⓕ	P2004	A-6	Ⓕ
QR6016	F-6	Ⓕ	P2005	B-1	Ⓕ
QR6017	D-5	Ⓕ	P6001	B-6	Ⓕ
QR6018	E-5	Ⓕ	P6002	D-6	Ⓕ
QR6019	D-2	Ⓕ	P6003	E-6	Ⓕ
QR6020	D-5	Ⓕ	P6004	F-5	Ⓕ
QR6021	E-5	Ⓕ	P6005	D-6	Ⓕ
QR6022	D-3	Ⓕ	P6006	E-5	Ⓕ
QR6023	E-5	Ⓕ	P6007	D-6	Ⓕ
QR6024	E-5	Ⓕ	P6008	F-5	Ⓕ
QR6025	E-3	Ⓕ	P6009	A-3	Ⓕ
QR6026	D-3	Ⓕ	P6010	A-4	Ⓕ
QR6027	E-5	Ⓕ	P6011	A-2	Ⓕ
QR6029	B-6	Ⓕ	P6012	A-2	Ⓕ
QR6030	C-6	Ⓕ			
QR6040	D-5	Ⓕ			
QR6041	D-5	Ⓕ			
Integrated Circuit					
IC1901	B-2	Ⓕ			
IC2001	C-4	Ⓕ			

ADDRESS INFORMATION
Ⓒ... COMPONENT SIDE
Ⓕ... FOIL SIDE

SERVO TP C.B.A.		
Test Point		
TP2201	D-7	Ⓕ
TP2202	D-7	Ⓕ
TP2203	D-7	Ⓕ
TP2204	D-7	Ⓕ
TP2205	D-7	Ⓕ
TPG	D-7	Ⓕ
Connector		
P2203	D-7	Ⓕ

ADDRESS INFORMATION
Ⓒ... COMPONENT SIDE
Ⓕ... FOIL SIDE

SERVO VR C.B.A.		
Adjustment		
VR2201	C-7	Ⓕ
VR2202	C-7	Ⓕ
VR2203	C-7	Ⓕ
VR2204	C-7	Ⓕ
VR2205	C-7	Ⓕ
VR2206	C-7	Ⓕ
VR2207	C-7	Ⓕ
VR2208	C-7	Ⓕ
VR2209	C-7	Ⓕ
Connector		
P2201	C-7	Ⓕ
P2202	C-7	Ⓕ

ADDRESS INFORMATION
Ⓒ... COMPONENT SIDE
Ⓕ... FOIL SIDE

SYSTEM CONTROL ICs DC VOLTAGE CHART

REF. NO.	IC6001																		
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14					
STOP	0	0	5.1	0	5.1	5.1	0	0.1	0	5.1	0.2	5.1	5.1	5.1					
REC	0	0	5.1	4.8	5.1	5.1	0	2.3	0	5.1	4.8	5.1	5.1	5.1					
F.F.	0	0	5.1	2.1	5.1	3.0	0	0.1	0	5.1	2.1	3.0	5.1	5.1					
REF. NO.	IC6002																		
MODE	1	2	3																
STOP	5.0	5.0	0																
REC	5.0	5.0	0																
F.F.	5.0	5.0	0																
REF. NO.	IC6003																		
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14					
STOP	4.7	4.7	5.1	0	2.6	0	2.6	0	2.0	5.0	2.1	0	0	0					
REC	4.7	4.7	5.1	5.0	2.6	0	2.6	0	2.6	5.0	2.4	0	4.7	4.7					
F.F.	2.6	2.6	5.1	2.6	2.3	0	2.3	0	2.3	2.8	2.3	0	2.5	2.5					
REF. NO.	IC6004																		
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
STOP	0	5.0	4.7	0	4.9	0	0	0	0	0	0	0	0	0	5.0	5.0	5.0	0	
REC	0	5.0	4.7	0	4.9	0	0	5.0	5.0	0	0	5.0	5.0	0	0	5.0	5.0	5.0	0
F.F.	0	5.0	4.7	0	4.9	0	0	0	0	0	0	0	0	0	0	5.0	5.0	5.0	0
REF. NO.	IC6004																		
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
STOP	0	2.8	0	0	4.7	4.7	4.4	5.0	0.1	0.1	—	—	0	2.2	2.3	4.9	5.1	4.9	4.8
REC	0	2.8	0	0	4.7	4.7	4.4	4.7	0.1	0.1	—	—	0	2.2	2.3	4.9	5.1	4.9	4.8
F.F.	0	0	0	0	2.5	2.5	4.4	2.3	0.1	0.1	—	—	0	2.2	2.3	4.5	5.1	4.9	4.8
REF. NO.	IC6004																		
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
STOP	1.3	5.1	5.1	5.0	5.0	0	0	4.6	4.6	4.6	0	4.9	4.8	0.7	4.5	0	0	0	0
REC	1.3	5.1	5.1	0	0	5.0	0	4.6	4.6	4.6	0	4.9	4.8	0.7	4.5	0	0	0	0
F.F.	1.3	4.9	5.1	5.0	5.0	0	0	4.6	4.6	4.6	0	4.9	4.8	0.7	4.5	0	0	0	0
REF. NO.	IC6004																		
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79
STOP	0.5	0	1.6	5.1	2.5	0.6	5.0	5.0	0	0	5.0	5.0	5.0	0	5.0	5.0	0	0	5.0
REC	0.5	0	1.6	5.1	2.5	0.6	5.0	5.0	0	0	5.0	5.0	5.0	0	5.0	0	0	5.0	5.0
F.F.	0.5	0	1.6	5.1	2.5	0.6	5.0	5.0	0	0	5.0	5.0	5.0	0	5.0	0	0	0	5.0
REF. NO.	IC6004																		
MODE	81	82	83	84															
STOP	0	0	0.6	0															
REC	0	0	0.6	0															
F.F.	0	0	0.6	0															
REF. NO.	IC6005																		
MODE	1	2	3	4	5	6	7	8	9	10									
STOP	0	0.2	0.2	0	0	0	12.3	10.1	12.0	0.2									
REC	0	0.2	0.2	0	0	0	12.3	10.1	12.0	0.2									
F.F.	0	0.2	0.2	0	0	0	12.3	10.1	12.0	0.2									
REF. NO.	IC6006																		
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16			
STOP	0.1	5.1	0.5	5.1	5.0	5.1	5.1	0	1.3	5.1	5.1	1.3	0	4.5	0	5.1			
REC	0.1	5.1	0.5	5.1	5.0	5.1	5.1	0	1.3	5.1	5.1	1.3	0	4.5	0	5.1			
F.F.	0.1	5.1	0.5	0	5.0	5.1	5.1	0	1.3	5.1	4.9	1.3	1.3	4.5	5.1	5.1			
REF. NO.	IC6007									IC6008									
MODE	1	2	3	4	5	6	7	8		1	2	3							
STOP	0.1	1.2	0.1	0	1.2	4.8	0.1	5.1		4.8	4.8	0							
REC	0.1	1.2	0.1	0	1.2	4.8	0.1	5.1		4.8	4.8	0							
F.F.	0.1	1.2	0.1	0	1.2	4.8	0.1	5.1		5.3	5.3	0							
REF. NO.	IC6009																		
MODE	I	G	O																
STOP	13.5	0	12.0																
REC	13.5	0	12.0																
F.F.	13.5	0	12.0																
REF. NO.	IC6010																		
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16			
STOP	5.0	5.0	5.0	0.9	5.0	0	5.1	0	1.3	4.9	4.9	5.1	4.9	4.8	0	5.1			
REC	5.0	5.0	5.0	0.9	5.0	0	5.1	0	1.3	4.9	4.9	5.1	4.9	4.8	0	5.1			
F.F.	5.0	5.0	5.0	0.9	5.0	0	5.1	0	1.3	4.9	4.9	6.1	4.9	4.8	0	5.1			
REF. NO.	IC6011																		
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14					
STOP	0.3	0.1	5.0	2.5	0.5	2.3	1.2	2.5	1.2	0	0.5	0	1.2	0.1					
REC	0.3	0.1	5.0	2.5	0.5	2.3	1.2	2.5	1.2	0	0.5	0	1.2	0.1					
F.F.	0.3	0.1	5.0	2.5	0.5	2.3	1.2	2.5	1.2	0	0.5	0	1.2	0.1					
REF. NO.	IC6012																		
MODE	1	2	3																
STOP	5.0	5.0	0																
REC	5.0	5.0	0																
F.F.	5.0	5.0	0																

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MATION
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MATION
SIDE

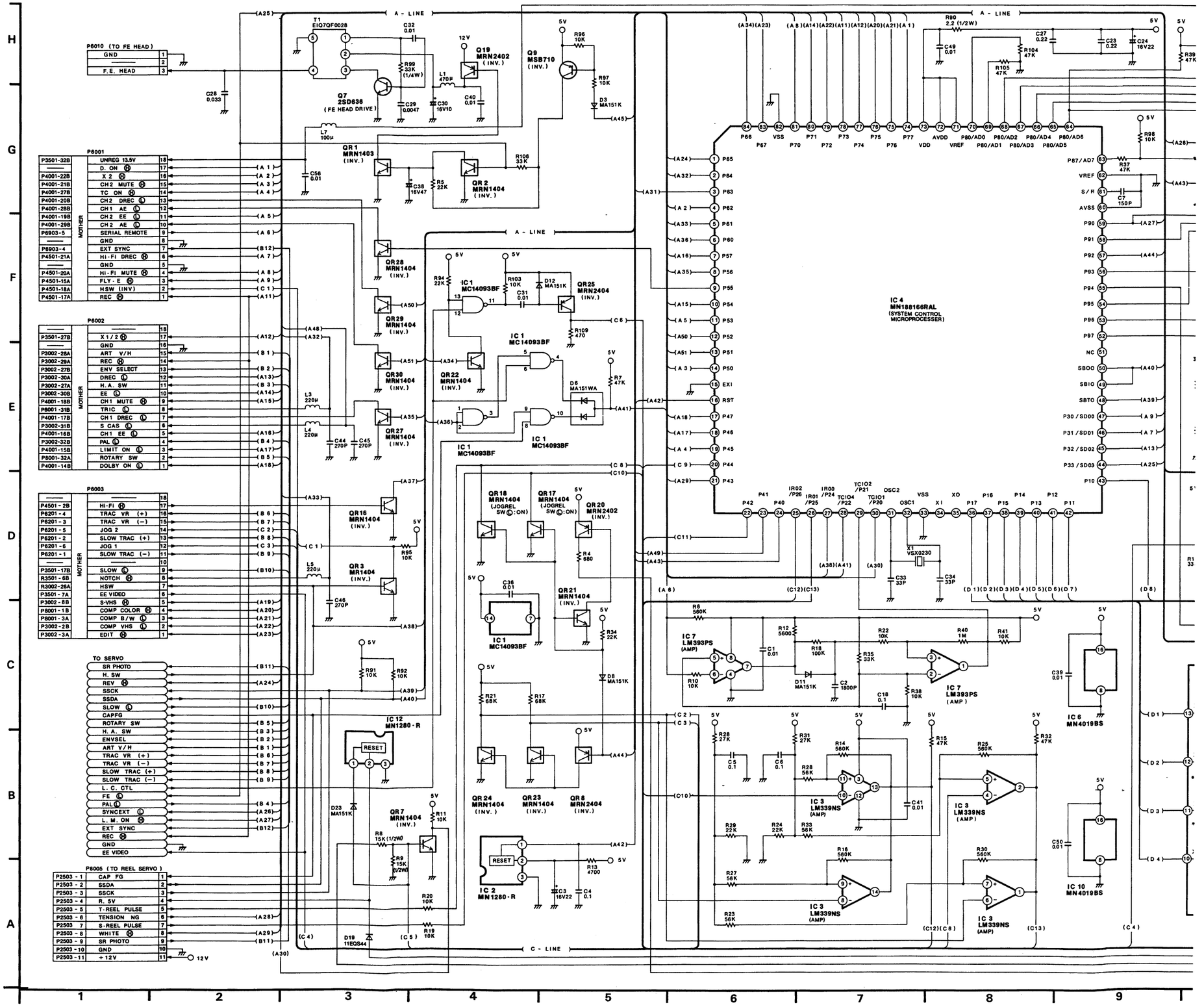
SYSTEM CONTROL ICs DC VOLTAGE CHART

REF. NO.	IC6001																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
STOP	0	0	5.1	0	5.1	5.1	0	0.1	0	5.1	0.2	5.1	5.1	5.1						
REC	0	0	5.1	4.8	5.1	5.1	0	2.3	0	5.1	4.8	5.1	5.1	5.1						
F.F.	0	0	5.1	2.1	5.1	3.0	0	0.1	0	5.1	2.1	3.0	5.1	5.1						
REF. NO.	IC6002																			
MODE	1	2	3																	
STOP	5.0	5.0	0																	
REC	5.0	5.0	0																	
F.F.	5.0	5.0	0																	
REF. NO.	IC6003																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
STOP	4.7	4.7	5.1	0	2.6	0	2.6	0	2.0	5.0	2.1	0	0	0						
REC	4.7	4.7	5.1	5.0	2.6	0	2.6	0	2.6	5.0	2.4	0	4.7	4.7						
F.F.	2.6	2.6	5.1	2.6	2.3	0	2.3	0	2.3	2.8	2.3	0	2.5	2.5						
REF. NO.	IC6004																			
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	4.7	0	4.9	0	0	0	0	0	0	0	0	0	0	5.0	5.0	5.0	0	0
REC	0	5.0	4.7	0	4.9	0	0	5.0	5.0	0	0	5.0	5.0	0	0	5.0	5.0	5.0	0	0
F.F.	0	5.0	4.7	0	4.9	0	0	0	0	0	0	0	0	0	0	5.0	5.0	5.0	0	5.1
REF. NO.	IC6004																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
STOP	0	2.8	0	0	4.7	4.7	4.4	5.0	0.1	0.1	—	—	0	2.2	2.3	4.9	5.1	4.9	4.8	0
REC	0	2.8	0	0	4.7	4.7	4.4	4.7	0.1	0.1	—	—	0	2.2	2.3	4.9	5.1	4.9	4.8	0
F.F.	0	0	0	0	2.5	2.5	4.4	2.3	0.1	0.1	—	—	0	2.2	2.3	4.5	5.1	4.9	4.8	1.3
REF. NO.	IC6004																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
STOP	1.3	5.1	5.1	5.0	5.0	0	0	4.6	4.6	4.6	0	4.9	4.8	0.7	4.5	0	0	0	0	0
REC	1.3	5.1	5.1	0	0	5.0	0	4.6	4.6	4.6	0	4.9	4.8	0.7	4.5	0	0	0	0	0
F.F.	1.3	4.9	5.1	5.0	5.0	0	0	4.6	4.6	4.6	0	4.9	4.8	0.7	4.5	0	0	0	0	0
REF. NO.	IC6004																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
STOP	0.5	0	1.6	5.1	2.5	0.6	5.0	5.0	0	0	5.0	5.0	5.0	0	5.0	5.0	0	0	5.0	0
REC	0.5	0	1.6	5.1	2.5	0.6	5.0	5.0	0	0	5.0	5.0	5.0	0	5.0	0	0	5.0	5.0	0
F.F.	0.5	0	1.6	5.1	2.5	0.6	5.0	5.0	0	0	5.0	5.0	5.0	0	5.0	0	0	0	5.0	0
REF. NO.	IC6004																			
MODE	81	82	83	84																
STOP	0	0	0.6	0																
REC	0	0	0.6	0																
F.F.	0	0	0.6	0																
REF. NO.	IC6005																			
MODE	1	2	3	4	5	6	7	8	9	10										
STOP	0	0.2	0.2	0	0	0	12.3	10.1	12.0	0.2										
REC	0	0.2	0.2	0	0	0	12.3	10.1	12.0	0.2										
F.F.	0	0.2	0.2	0	0	0	12.3	10.1	12.0	0.2										
REF. NO.	IC6006																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
STOP	0.1	5.1	0.5	5.1	5.0	5.1	5.1	0	1.3	5.1	5.1	1.3	0	4.5	0	5.1				
REC	0.1	5.1	0.5	5.1	5.0	5.1	5.1	0	1.3	5.1	5.1	1.3	0	4.5	0	5.1				
F.F.	0.1	5.1	0.5	0	5.0	5.1	5.1	0	1.3	5.1	4.9	1.3	1.3	4.5	5.1	5.1				
REF. NO.	IC6007										IC6008									
MODE	1	2	3	4	5	6	7	8			1	2	3							
STOP	0.1	1.2	0.1	0	1.2	4.8	0.1	5.1			4.8	4.8	0							
REC	0.1	1.2	0.1	0	1.2	4.8	0.1	5.1			4.8	4.8	0							
F.F.	0.1	1.2	0.1	0	1.2	4.8	0.1	5.1			5.3	5.3	0							
REF. NO.	IC6009																			
MODE	I	G	O																	
STOP	13.5	0	12.0																	
REC	13.5	0	12.0																	
F.F.	13.5	0	12.0																	
REF. NO.	IC6010																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
STOP	5.0	5.0	5.0	0.9	5.0	0	5.1	0	1.3	4.9	4.9	5.1	4.9	4.8	0	5.1				
REC	5.0	5.0	5.0	0.9	5.0	0	5.1	0	1.3	4.9	4.9	5.1	4.9	4.8	0	5.1				
F.F.	5.0	5.0	5.0	0.9	5.0	0	5.1	0	1.3	4.9	4.9	6.1	4.9	4.8	0	5.1				
REF. NO.	IC6011																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
STOP	0.3	0.1	5.0	2.5	0.5	2.3	1.2	2.5	1.2	0	0.5	0	1.2	0.1						
REC	0.3	0.1	5.0	2.5	0.5	2.3	1.2	2.5	1.2	0	0.5	0	1.2	0.1						
F.F.	0.3	0.1	5.0	2.5	0.5	2.3	1.2	2.5	1.2	0	0.5	0	1.2	0.1						
REF. NO.	IC6012																			
MODE	1	2	3																	
STOP	5.0	5.0	0																	
REC	5.0	5.0	0																	
F.F.	5.0	5.0	0																	

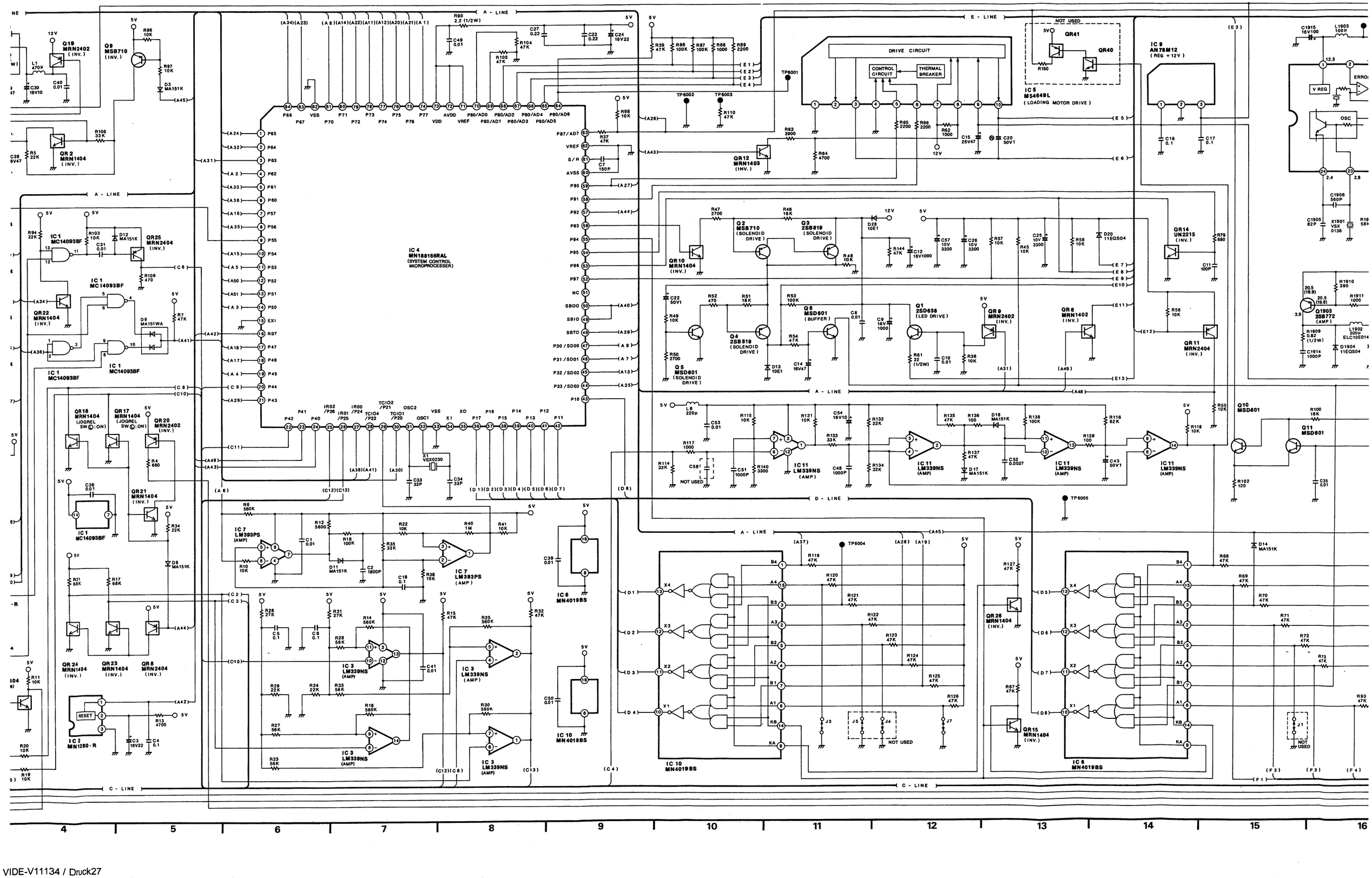
SYSTEM CONTROL TRs DC VOLTAGE CHART

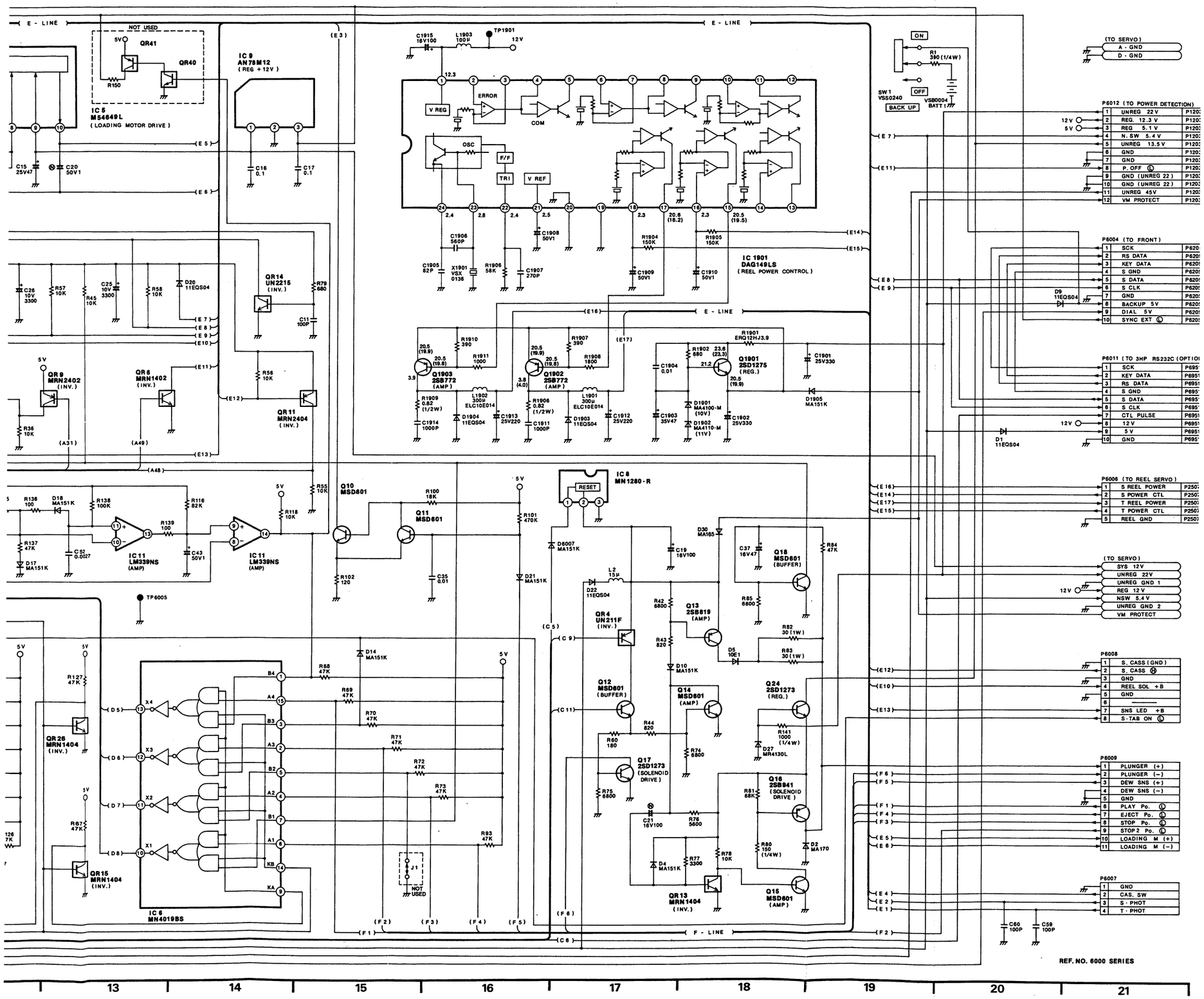
REF. NO.	Q6001			Q6002			Q6003			Q6004			Q6005			Q6006		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	0.7	11.6	0.6	11.1	0	11.6	11.6	0	11.1	0	0	0	0	0	0	0	5.1	0
REC	0.7	11.6	0.6	11.1	0	11.6	11.6	0	11.1	0	0	0	0	0	0	0	5.1	0
F.F.	0.7	11.6	0.6	11.1	0	11.6	11.6	0	11.1	0	0	0	0	0	0	0	5.1	0
REF. NO.	Q6007			Q6009			Q6010			Q6011			Q6012			Q6013		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	0	0.2	0.2	5.1	5.1	4.5	0.6	0.6	1.3	0.6	1.3	0.4	2.0	2.0	2.7	4.8	4.7	4.1
REC	0	11.5	−0.4	5.1	5.1	4.5	0.6	0.6	1.3	0.6	1.3	0.4	2.0	2.0	2.7	4.8	4.7	4.1
F.F.	0	0.2	0.2	5.1	5.1	4.5	0.6	0.6	1.3	0.6	1.3	0.4	0	4.8	0	5.3	−0.1	5.3
REF. NO.	Q6014			Q6015			Q6016			Q6017			Q6018			Q6024		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	0	0	0.8	0	12.6	0	12.7	1.4	12.6	0	0	0.7	0	5.1	0.2	12.7	13.5	13.1
REC	0	0	0.8	0	12.6	0	12.7	1.4	12.6	0	0	0.7	0	5.1	0.2	12.7	13.5	13.1
F.F.	0	12.6	0	0	12.6	0	12.7	0	12.6	0	0	0	0	5.1	0	12.7	13.5	13.1
REF. NO.	QR6001			QR6002			QR6003			QR6004			QR6006			QR6007		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	0	12.3	0	0	0	5.0	0	4.6	4.3	4.8	2.0	0	0	11.3	0	0	0.1	2.1
REC	0	0.1	2.7	0	2.7	0	0	4.6	4.3	4.8	2.0	0	0	11.3	0	0	0.1	2.1
F.F.	0	12.3	0	0	0	5.0	0	4.6	4.3	5.3	4.8	5.1	0	11.3	0	0	0.1	2.1
REF. NO.	QR6008			QR6009			QR6010			QR6011			QR6012			QR6013		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	5.1	5.1	0	5.1	0.6	4.8	0	11.6	0	5.1	0	6.1	0	10.1	0	0	0	11.8
REC	5.1	5.1	0	5.1	0.6	4.8	0	11.6	0	5.1	0	5.1	0	10.1	0	0	0	11.8
F.F.	5.1	5.1	0	5.1	0.6	4.8	0	11.6	0	5.1	0	5.1	0	10.1	0	0	0	11.8
REF. NO.	QR6014			QR6015			QR6016			QR6017			QR6018			QR6019		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	0	4.8	0. 7	0	1.3	4.8	0	5.0	0	0	5.0	0.6	0	5.0	0.6	12.3	0.3	12.3
REC	0	4.8	0.7	0	1.3	4.8	0	5.0	0	0	5.0	0.6	0	5.0	0.6	12.3	12.1	0.1
F.F.	0	4.8	0.7	0	1.3	4.8	0	5.0	0	0	2.8	0.6	0	2.6	0.6	12.3	0.3	12.3
REF. NO.	QR6020			QR6021			QR6022			QR6023			QR6024			QR6025		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	5.1	0	5.1	0	5.1	0.6	0	5.1	0	0	0	5.1	0	0	5.1	5.1	0	5.1
REC	5.1	0	5.1	0	5.1	0.6	0	5.1	0	0	0	5.1	0	0	5.1	5.1	0	5.1
F.F.	5.1	0	5.1	0	5.1	0.6	0	5.1	0	0	0	5.1	0	0	5.1	5.1	1.9	3.4
REF. NO.	QR6026			QR6027			QR6028			QR6029			QR6030			QR6040		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	0	1.3	4.8	0	5.0	0	0	5.0	0	0	5.0	0	0	5.0	0	0	5.1	0.1
REC	0	1.3	4.8	0	0	5.0	0	0	5.0	0	0	5.0	0	0	5.0	0	5.1	0.1
F.F.	0	1.3	4.8	0	5.0	0	0	5.0	0	0	5.0	0	0	5.0	0	0	5.1	0.1
REF. NO.	QR6041																	
MODE	E	C	B															
STOP	5.1	1.6	5.1															
REC	5.1	1.6	5.1															
F.F.	5.1	1.6	5.1															

SYSTEM CONTROL SCHEMATIC DIAGRAM



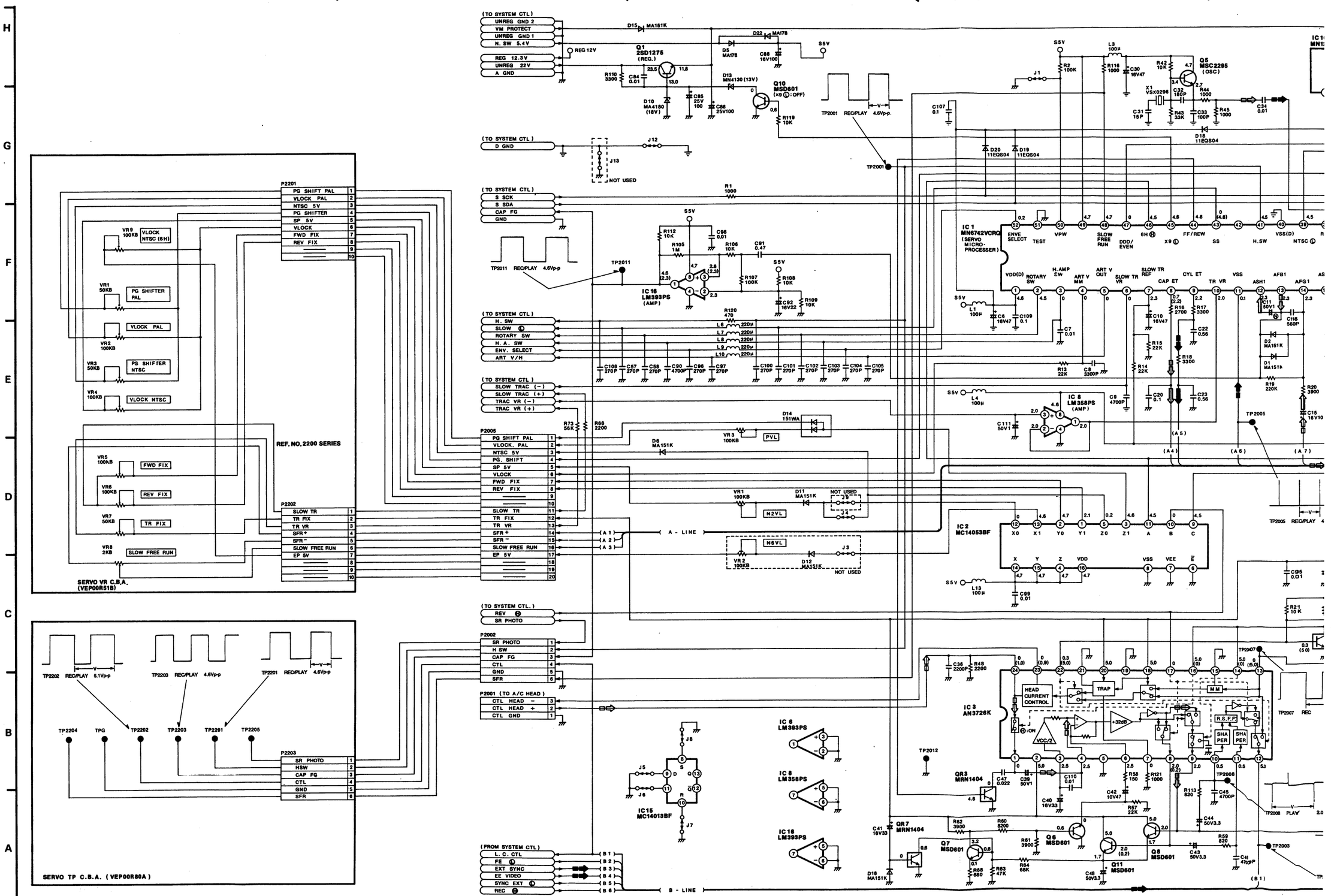
iRAM


IC 4
MN188166RAL
(SYSTEM CONTROL MICROPROCESSER)
IC 1
MC14093BF
IC 2
MN1280-R
IC 3
LM339NS
(AMP)
IC 6
MN4019BS
IC 7
LM393PS
(AMP)
IC 9
AN78M12
(REG +12V)
IC 5
M54649L
(LOADING MOTOR DRIVE)
IC 10
MN4019BS
IC 11
LM339NS
(AMP)
DRIVE CIRCUIT
CONTROL CIRCUIT
THERMAL BREAKER
NOT USED
A - LINE
C - LINE
D - LINE
E - LINE
Q1 2SD638 (LED DRIVE)
Q2 MSB710 (SOLENOID DRIVE)
Q3 2SB819 (SOLENOID DRIVE)
Q4 2SB819 (SOLENOID DRIVE)
Q5 MSD601 (SOLENOID DRIVE)
Q6 MSD601 (BUFFER)
Q10 MSD601
Q11 MSD601
Q1903 2SB772 (AMP)
QR2 MRN1404 (INV.)
QR6 MRN1402 (INV.)
QR8 MRN2404 (INV.)
QR9 MRN2402 (INV.)
QR10 MRN1404 (INV.)
QR11 MRN2404 (INV.)
QR12 MRN1403 (INV.)
QR14 UN2215 (INV.)
QR15 MRN1404 (INV.)
QR17 MRN1404 (JOGREL SW:ON)
QR18 MRN1404 (JOGREL SW:ON)
QR20 MRN2402 (INV.)
QR21 MRN1404 (INV.)
QR22 MRN1404 (INV.)
QR23 MRN1404 (INV.)
QR24 MRN1404 (INV.)
QR25 MRN2404 (INV.)
QR26 MRN1404 (INV.)
QR40
QR41
NOT USED
TP6001
TP6002
TP6003
TP6004
TP6005
J1
J3
J4
J5
J7
X1 VSX0230
RESET
V REG
OSC
ERRO
5V
12V

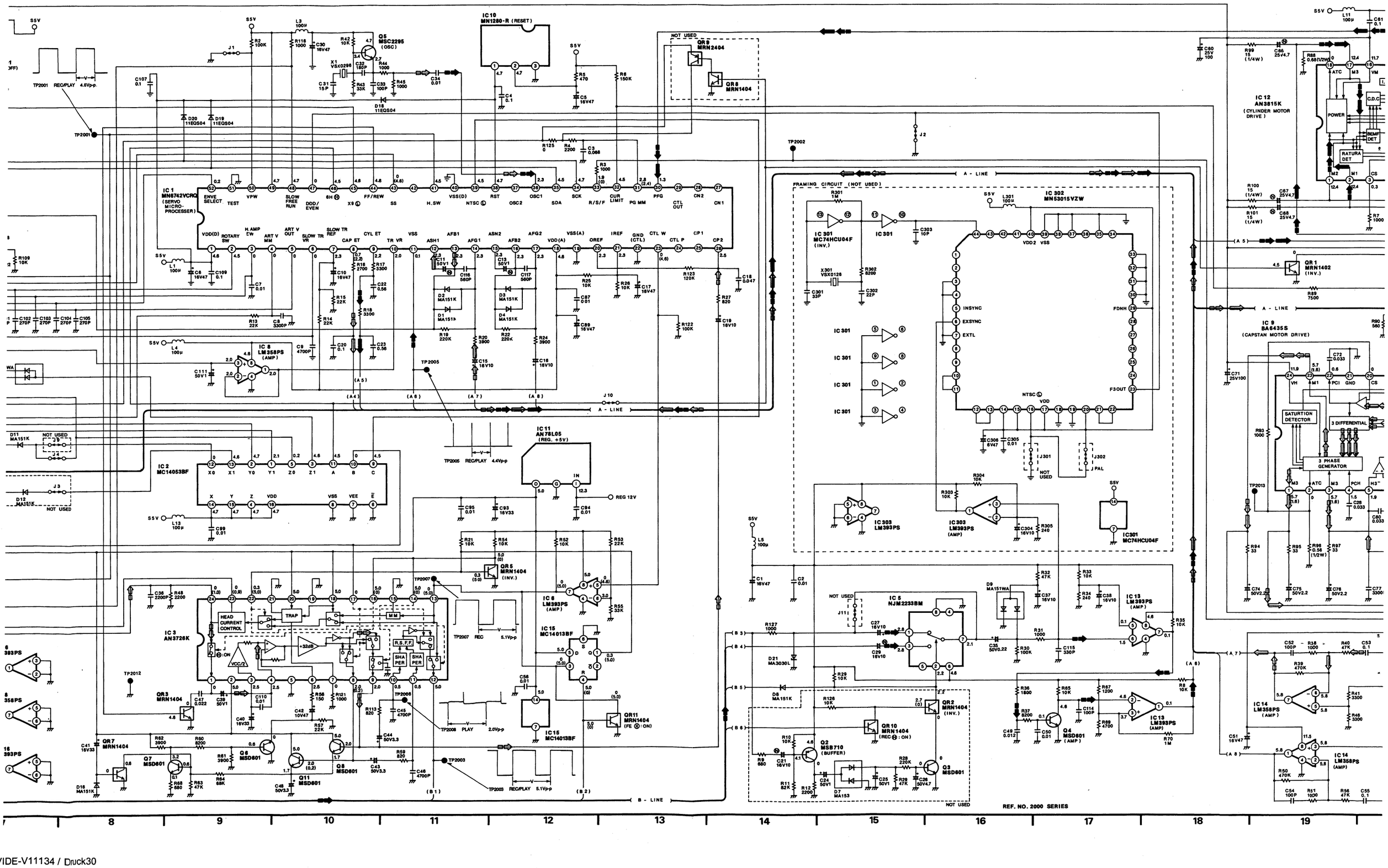

E - LINE
NOT USED
5V
QR41
QR40
R150
IC 9
AN78M12
(REG +12V)
IC 5
M54649L
(LOADING MOTOR DRIVE)
C15 25V47
C20 50V1
C16 0.1
C17 0.1
C1915 16V100
L1903 100μ
TP1901
12V
V REG
ERROR
COM
OSC
F/F
TRI
V REF
C1906 560P
C1905 82P
X1901 VSX O136
R1906 58K
C1907 270P
C1908 50V1
R1904 150K
R1905 150K
C1909 50V1
C1910 50V1
IC 1901
DAQ149LS
(REEL POWER CONTROL)
C26 10V 3300
R57 10K
R45 10K
C25 10V 3300
R58 10K
D20 11EQS04
QR14 UN2215 (INV.)
R79 680
C11 100P
R56 10K
QR9 MRN2402 (INV.)
QR8 MRN1402 (INV.)
QR11 MRN2404 (INV.)
R36 10K
R1910 390
R1911 1000
Q1903 2SB772 (AMP)
R1909 0.82 (1/2W)
C1914 1000P
L1902 300μ ELC10E014
D1904 11EQS04
C1913 25V220
R1907 390
R1908 1800
Q1902 2SB772 (AMP)
R1906 0.82 (1/2W)
C1911 1000P
L1901 300μ ELC10E014
D1903 11EQS04
C1912 25V220
R1901 ERQ12HJ3.9
C1904 0.01
R1902 680
Q1901 2SD1275 (REG.)
C1901 25V330
D1905 MA151K
D1901 MA4100-M (10V)
D1902 MA4110-M (11V)
C1903 35V47
C1902 25V330
ON
R1 390 (1/4W)
SW 1 VSS0240
OFF
BACK UP
VSB0004 BATT 1
(TO SERVO)
A - GND
D - GND
P6012 (TO POWER DETECTION)
1 UNREG 22V
2 REG. 12.3 V
3 REG 5.1 V
4 N.SW 5.4 V
5 UNREG 13.5 V
6 GND
7 GND
8 P. OFF
9 GND (UNREG 22)
10 GND (UNREG 22)
11 UNREG 45V
12 VM PROTECT
P6004 (TO FRONT)
1 SCK
2 RS DATA
3 KEY DATA
4 S GND
5 S DATA
6 S CLK
7 GND
8 BACKUP 5V
9 DIAL 5V
10 SYNC EXT
D9 11EQS04
P6011 (TO 3HP RS232C (OPTIO
1 SCK
2 KEY DATA
3 RS DATA
4 S GND
5 S DATA
6 S CLK
7 CTL PULSE
8 12V
9 5V
10 GND
D1 11EQS04
P6006 (TO REEL SERVO)
1 S REEL POWER
2 S POWER CTL
3 T REEL POWER
4 T POWER CTL
5 REEL GND
(TO SERVO)
SYS 12V
UNREG 22V
UNREG GND 1
REG 12V
NSW 5.4V
UNREG GND 2
VM PROTECT
P6008
1 S. CASS (GND)
2 S. CASS
3 GND
4 REEL SOL +B
5 GND
6
7 SNS LED +B
8 S-TAB ON
P6009
1 PLUNGER (+)
2 PLUNGER (-)
3 DEW SNS (+)
4 DEW SNS (-)
5 GND
6 PLAY Po.
7 EJECT Po.
8 STOP Po.
9 STOP2 Po.
10 LOADING M (+)
11 LOADING M (-)
P6007
1 GND
2 CAS. SW
3 S-PHOT
4 T-PHOT
C60 100P
C59 100P
REF. NO. 6000 SERIES
R136 100
D18 MA151K
R138 100K
R116 82K
R139 100
R137 47K
D17 MA151K
C52 0.0027
IC 11 LM339NS (AMP)
C43 50V1
IC 11 LM339NS (AMP)
R55 10K
R118 10K
Q10 MSD601
Q11 MSD601
R100 18K
R101 470K
R102 120
C35 0.01
D21 MA151K
TP6005
IC 8 MN1280-R
RESET
D6007 MA151K
D30 MA165
C19 16V100
C37 16V47
Q18 MSD601 (BUFFER)
R84 47K
L2 15μ
D22 11EQS04
R42 6800
Q13 2SB819 (AMP)
R85 6800
QR4 UN211F (INV.)
R43 820
R82 30 (1W)
R83 30 (1W)
D5 10E1
D10 MA151K
R127 47K
R67 47K
D14 MA151K
R68 47K
R69 47K
R70 47K
R71 47K
R72 47K
R73 47K
R93 47K
QR26 MRN1404 (INV.)
QR15 MRN1404 (INV.)
IC 6 MN4019BS
B4 A4 B3 A3 B2 A2 B1 A1 KB KA
X4 X3 X2 X1
J1 NOT USED
Q12 MSD601 (BUFFER)
Q14 MSD601 (AMP)
Q24 2SD1273 (REG.)
R141 1000 (1/4W)
D27 MR4130L
R44 820
R60 180
R74 6800
Q17 2SD1273 (SOLENOID DRIVE)
R75 6800
C21 16V100
R78 5600
R81 68K
Q16 2SB941 (SOLENOID DRIVE)
R80 150 (1/4W)
D2 MA170
D4 MA151K
R77 3300
R78 10K
QR13 MRN1404 (INV.)
Q15 MSD601 (AMP)
(E1) (E2) (E3) (E4) (E5) (E6) (E7) (E8) (E9) (E10) (E11) (E12) (E13) (E14) (E15) (E16) (E17)
(A31) (A48) (A49)
(C5) (C6) (C9) (C11)
(D5) (D6) (D7) (D8)
(F1) (F2) (F3) (F4) (F5) (F6)
F - LINE
13 14 15 16 17 18 19 20 21

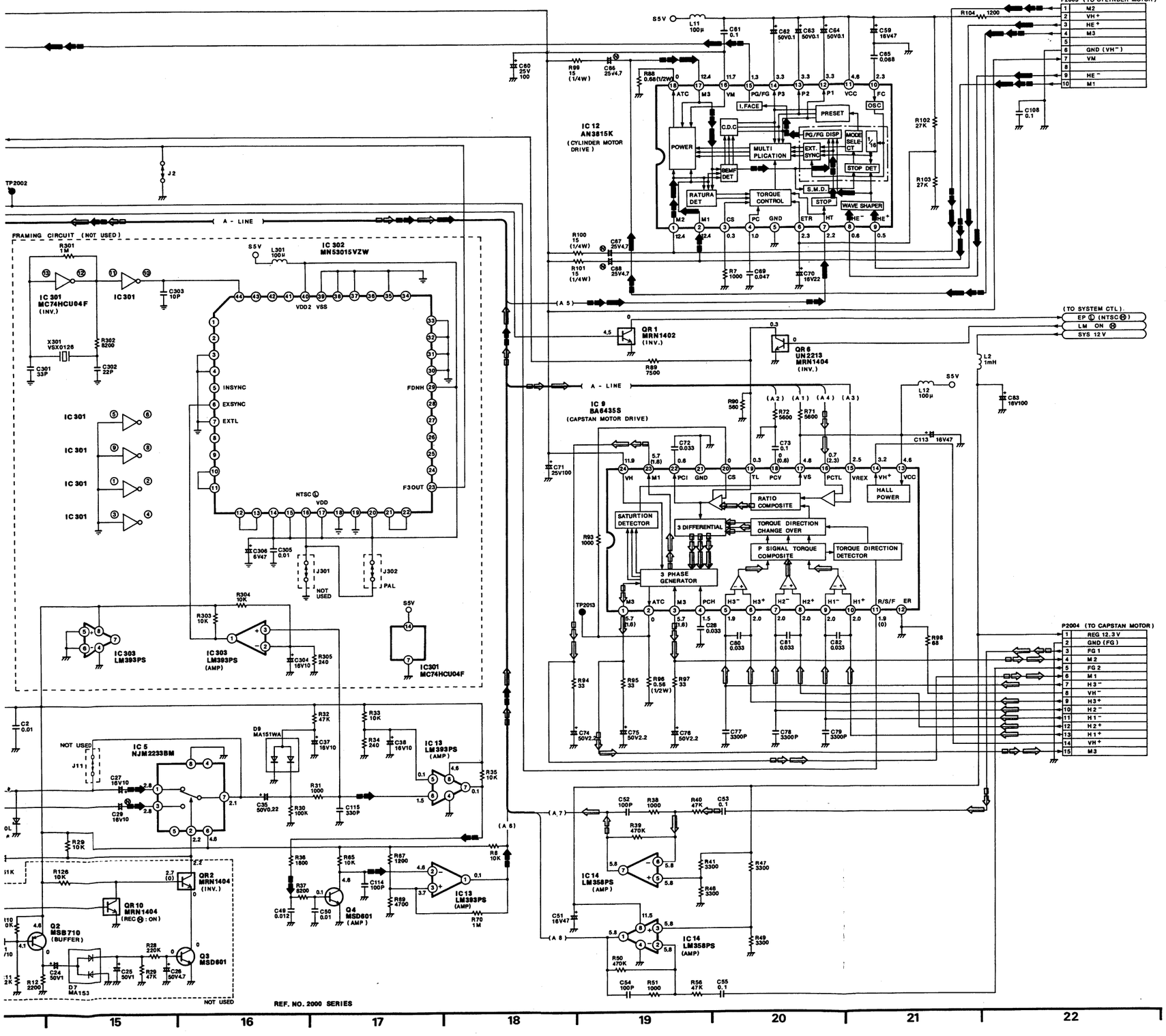
SERVO SCHEMATIC DIAGRAM

CYLINDER SERVO SPEED LOOP — CYLINDER SERVO PHASE LOOP — CAPSTAN SERVO SPEED LOOP — CAPSTAN SE



HASE LOOP ⟸ CAPSTAN SERVO SPEED LOOP ⟸ CAPSTAN SERVO PHASE LOOP

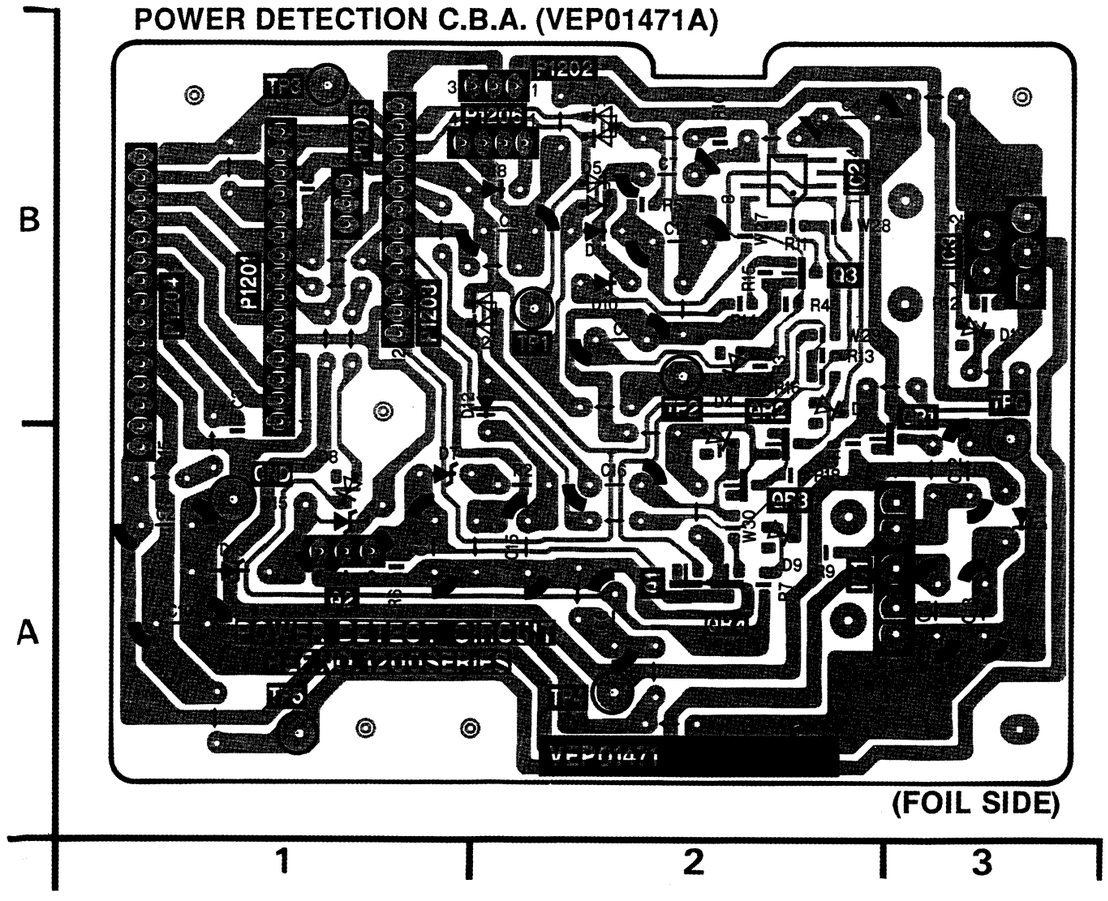




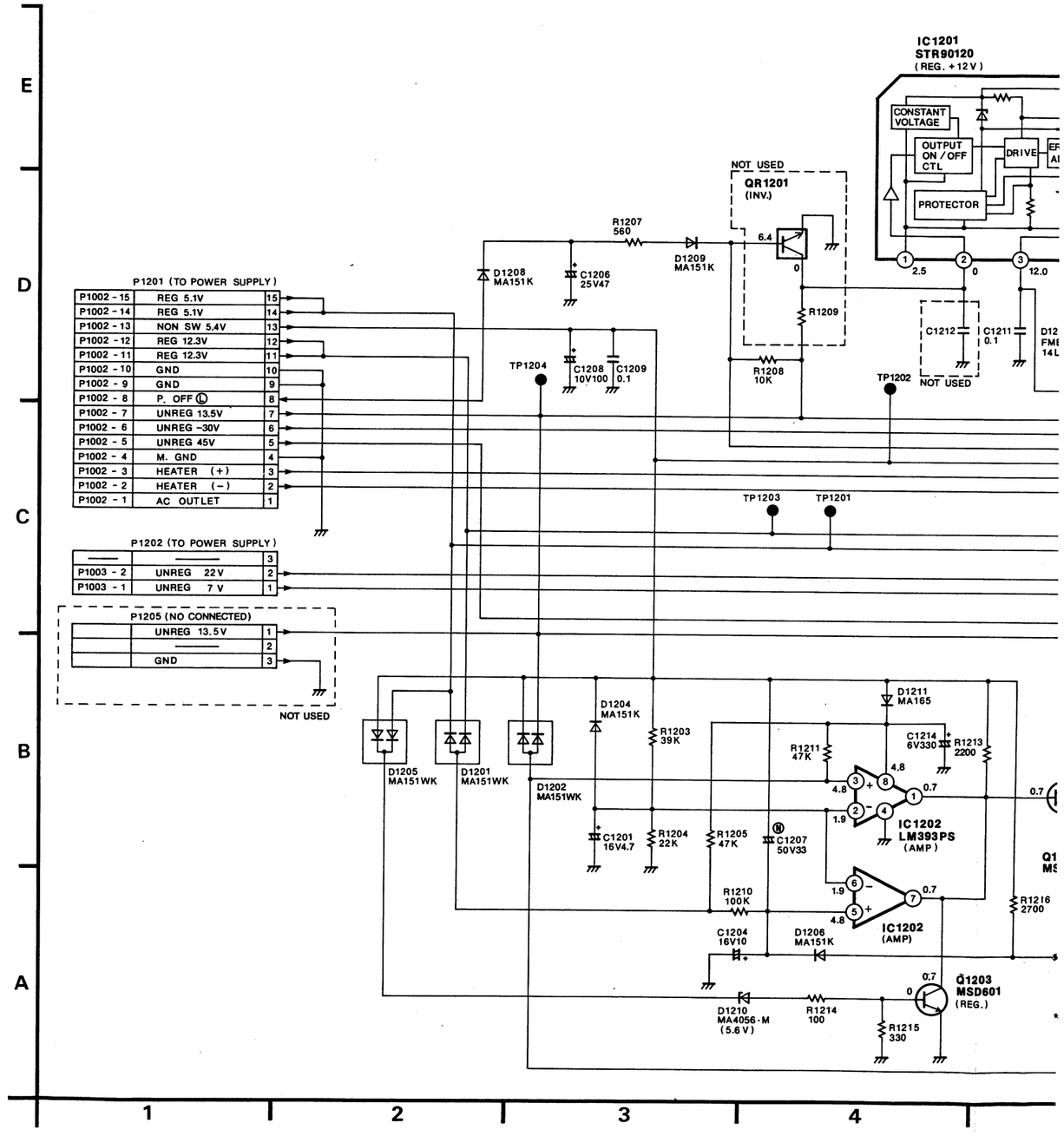
POWER DET C.B.A.		
Transistor		
Q1201	A-2	Ⓕ
Q1202	A-1	Ⓕ
Q1203	B-2	Ⓕ
Transistor & Resistor		
QR1201	B-3	Ⓕ
QR1202	B-2	Ⓕ
QR1203	A-2	Ⓕ
QR1204	A-2	Ⓕ
Integrated Circuit		
IC1201	A-2	Ⓕ
IC1202	B-2	Ⓕ
IC1203	B-3	Ⓕ
Test Point		
TP1201	B-2	Ⓕ
TP1202	B-2	Ⓕ
TP1203	B-1	Ⓕ
TP1204	A-2	Ⓕ
TP1205	A-1	Ⓕ
TPG	B-3	Ⓕ
Connector		
P1201	B-1	Ⓕ
P1202	B-2	Ⓕ
P1203	B-1	Ⓕ
P1204	B-1	Ⓕ
P1205	B-1	Ⓕ
P1206	B-2	Ⓕ

ADDRESS INFORMATION
Ⓒ... COMPONENT SIDE
Ⓕ... FOIL SIDE

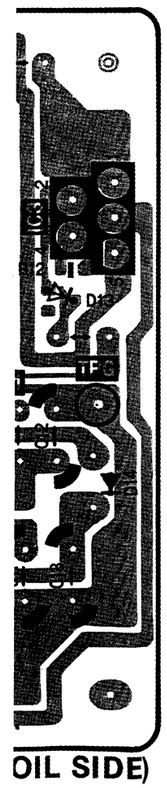
POWER DETECTION C.B.A. (VEP01471A)



POWER DETECTION SCHEMATIC DIAGRAM



POWER DETECTION SCHEMATIC DIAGRAM



P1201 (TO POWER SUPPLY)

P1002 - 15	REG 5.1V	15
P1002 - 14	REG 5.1V	14
P1002 - 13	NON SW 5.4V	13
P1002 - 12	REG 12.3V	12
P1002 - 11	REG 12.3V	11
P1002 - 10	GND	10
P1002 - 9	GND	9
P1002 - 8	P. OFF Ⓛ	8
P1002 - 7	UNREG 13.5V	7
P1002 - 6	UNREG -30V	6
P1002 - 5	UNREG 45V	5
P1002 - 4	M. GND	4
P1002 - 3	HEATER (+)	3
P1002 - 2	HEATER (-)	2
P1002 - 1	AC OUTLET	1

P1202 (TO POWER SUPPLY)

——	——	3
P1003 - 2	UNREG 22V	2
P1003 - 1	UNREG 7V	1

P1205 (NO CONNECTED)

	UNREG 13.5V	1
	——	2
	GND	3

NOT USED

IC1201
STR90120
(REG. +12V)

CONSTANT VOLTAGE, OUTPUT ON / OFF CTL, DRIVE, ERROR AMP, REF VOLTAGE, PROTECTOR

IC1203
S13050C
(REG. +5V)

PROTECTOR, ERROR AMP, REF. VOLTAGE, START CIRCUIT, DRIVE

NOT USED
QR1201
(INV.)

R1207 560, D1209 MA151K, D1208 MA151K, C1206 25V47, R1209, R1208 10K, C1208 10V100, C1209 0.1, C1212, C1211 0.1, D1214 FMBG 14L, C1213 16V1000, C1210 10V100, C1202 16V100, C1203 0.1, R1212 270, D1213, TP1204, TP1202, TP1203, TP1201, TP1205

P1204 (TO MOTHER)

15	V 12 V	P911-15
14	V 12 V	P911-14
13	V 5 V	P911-13
12	V 5 V	P911-12
11	GND	P911-11
10	GND	P911-10
9	GND	P911- 9
8	GND	P911- 8
7	A 12 V	P911- 7
6	HEATER (-)	P911- 6
5	HEATER (+)	P911- 5
4	UNREG -30 V	P911- 4
3	GND	P911- 3
2	REG 5.4 V	P911- 2
1	REG 12.3 V	P911- 1

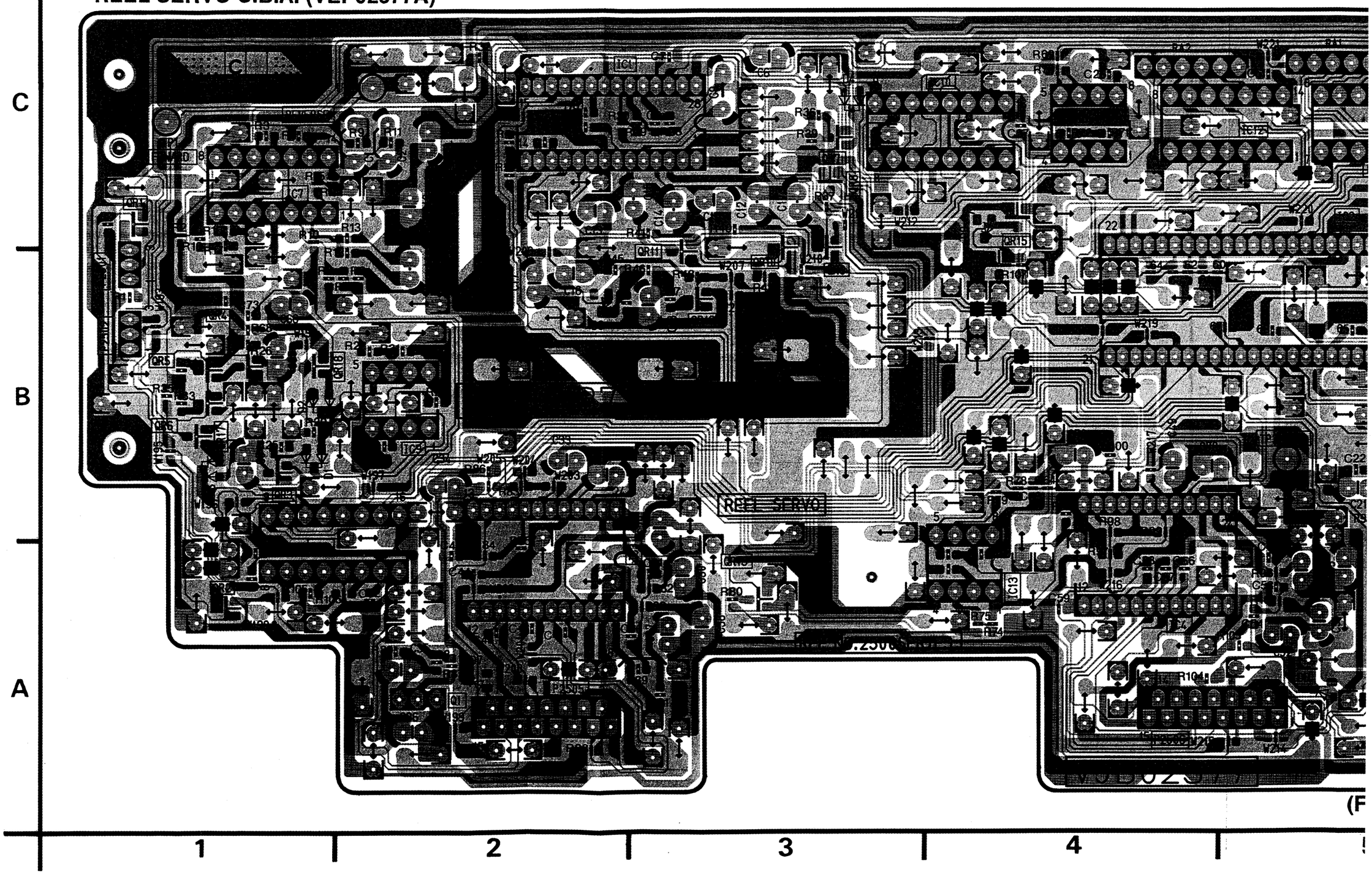
P1203 (TO SYSTEM CTL)

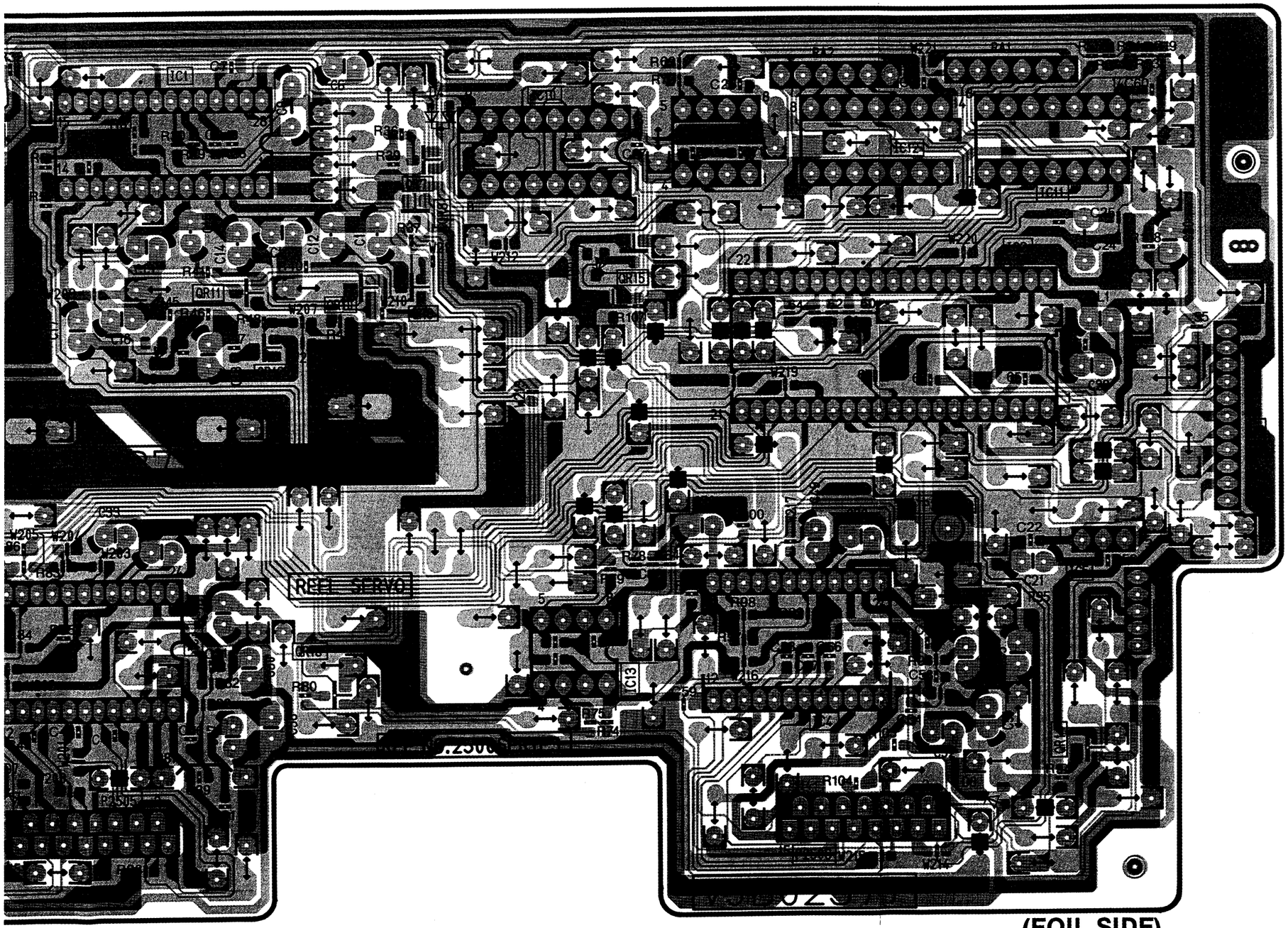
1	UNREG 22V	P6012 - 1
2	REG 12.3 V	P6012 - 2
3	REG 5.1 V	P6012 - 3
4	NON SW 5.4 V	R6012 - 4
5	UNREG 13.5V	P6012 - 5
6	GND	P6012 - 6
7	GND	P6012 - 7
8	P OFF Ⓛ	P6012 - 8
9	GND (UNREG 22V)	P6012 - 9
10	GND (UNREG 22V)	P6012 - 10
11	UNREG 45V	P6012 - 11
12	VM PROTECT	P6012 - 12

D1205 MA151WK, D1201 MA151WK, D1202 MA151WK, D1204 MA151K, R1203 39K, D1211 MA165, R1211 47K, C1214 6V330, R1213 2200, C1201 16V4.7, R1204 22K, R1205 47K, Ⓝ C1207 50V33, IC1202 LM393PS (AMP), R1210 100K, C1204 16V10, D1206 MA151K, IC1202 (AMP), D1210 MA4056-M (5.6V), R1214 100, R1215 330, Q1203 MSD601 (REG.), D1212 MA165, R1202 270 (1/4W), C1215 16V220, D1207 MA4047-M (15V), Q1201 MSD601, R1216 2700, C1205 16V47, R1206 10K, Q1202 8P2M, QR1204 UN2224, D1215, D1216, NOT USED, QR1203 MRN1403, R1218 10K, C1216 16V100, TPG, QR1202 MRN1404 (POWER OFF Ⓛ : OFF), D1217 MA151K

REEL SERVO C.B.A. (VEP02377A)

REEL SERVO C.B.A. (VEP02377A)





(FOIL SIDE)

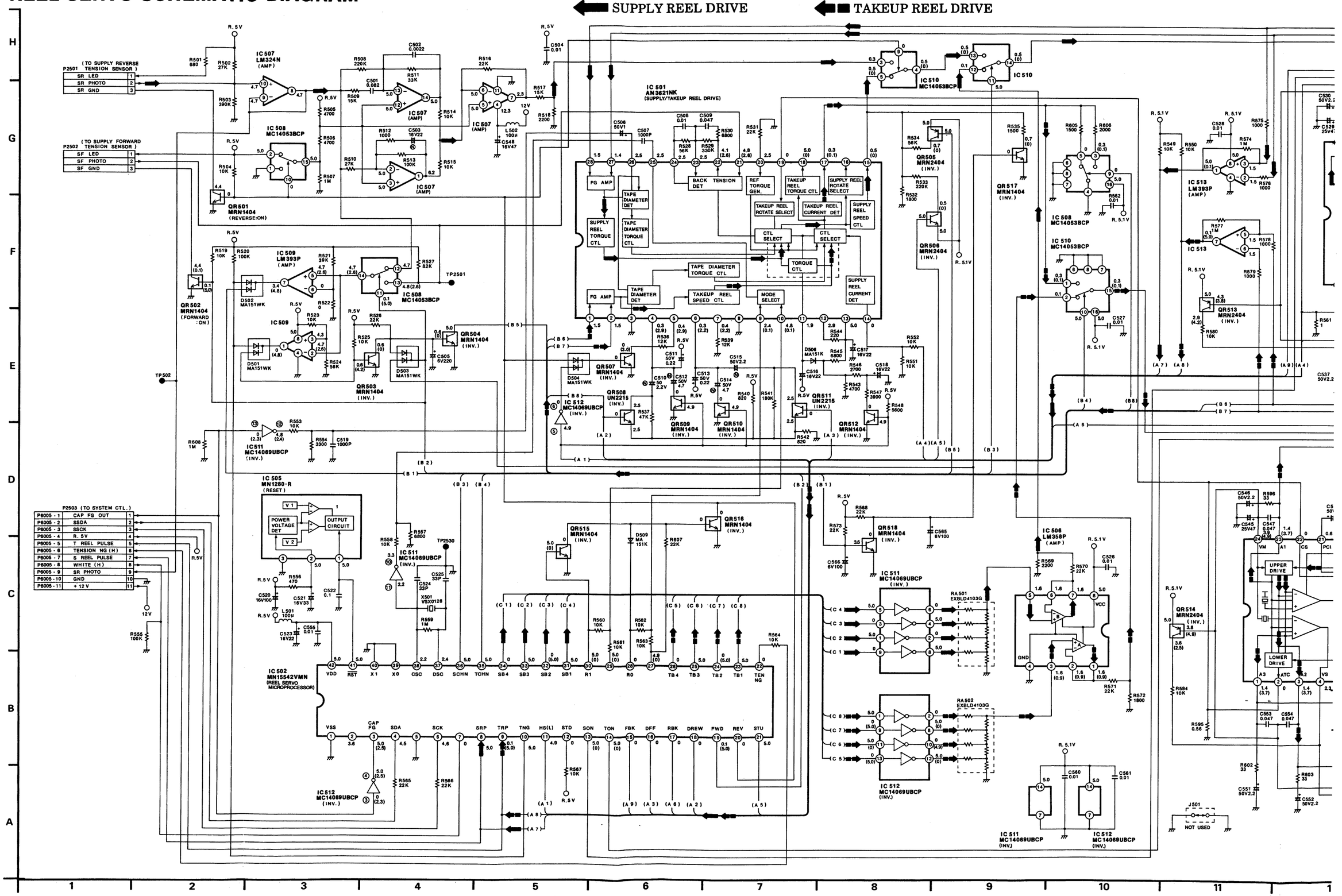
REEL SERVO C.B.A.		
Transistor		
Q2501	A-2	Ⓕ
Transistor & Resistor		
QR2501	C-1	Ⓕ
QR2502	A-1	Ⓕ
QR2503	B-1	Ⓕ
QR2504	B-1	Ⓕ
QR2505	B-1	Ⓕ
QR2506	B-1	Ⓕ
QR2507	C-3	Ⓕ
QR2508	C-3	Ⓕ
QR2509	B-3	Ⓕ
QR2510	B-3	Ⓕ
QR2511	B-3	Ⓕ
QR2512	B-3	Ⓕ
QR2513	A-3	Ⓕ
QR2514	C-5	Ⓕ
QR2515	B-4	Ⓕ
QR2516	B-4	Ⓕ
QR2517	B-1	Ⓕ
QR2518	B-1	Ⓕ
Integrated Circuit		
IC2501	C-2	Ⓕ
IC2502	C-5	Ⓕ
IC2503	A-2	Ⓕ
IC2504	A-4	Ⓕ
IC2505	B-5	Ⓕ
IC2506	C-4	Ⓕ
IC2507	C-1	Ⓕ
IC2508	A-1	Ⓕ
IC2509	B-2	Ⓕ
IC2510	C-4	Ⓕ
IC2511	C-5	Ⓕ
IC2512	C-5	Ⓕ
IC2513	A-4	Ⓕ
Test Point		
TP2501	C-1	Ⓕ
TP2502	C-2	Ⓕ
TP2503	B-5	Ⓕ
Connector		
P2501	B-1	Ⓕ
P2502	B-1	Ⓕ
P2503	B-5	Ⓕ
P2505	A-2	Ⓕ
P2506	A-4	Ⓕ
P2507	C-5	Ⓕ

ADDRESS INFORMATION
Ⓒ... COMPONENT SIDE
Ⓕ... FOIL SIDE

REEL SERVO SCHEMATIC DIAGRAM

SUPPLY REEL DRIVE

TAKEUP REEL DRIVE



SUPPLY REEL DRIVE

TAKEUP REEL DRIVE

IC 501
AN3621NK
(SUPPLY/TAKEUP REEL DRIVE)

IC 510
MC14053BCP

IC 503
AN3834K
(SUPPLY REEL MOTOR DRIVE)

IC 504
AN3834K
(TAKEUP REEL MOTOR DRIVE)

IC 508
MC14053BCP

IC 513
LM393P
(AMP)

IC 506
LM358P
(AMP)

IC 511
MC14069UBCP
(INV.)

IC 512
MC14069UBCP
(INV.)

IC 511
MC14069UBCP
(INV.)

IC 512
MC14069UBCP
(INV.)

IC 512
MC14069UBCP
(INV.)

Q501
2SD636

QR505
MRN2404
(INV.)

QR506
MRN2404
(INV.)

QR507
MRN1404
(INV.)

QR508
UN2215
(INV.)

QR509
MRN1404
(INV.)

QR510
MRN1404
(INV.)

QR511
UN2215
(INV.)

QR512
MRN1404
(INV.)

QR513
MRN2404
(INV.)

QR514
MRN2404
(INV.)

QR515
MRN1404
(INV.)

QR516
MRN1404
(INV.)

QR517
MRN1404
(INV.)

QR518
MRN1404
(INV.)

RA501
EXBLD4103G

RA502
EXBLD4103G

D504
MA151WK

D506
MA151K

D507
MA151K

D508
MA151K

D509
MA151K

P2505 (TO SUPPLY REEL MOTOR)

15	VFG +
14	VFG −
13	FG +
12	M1
11	FG −
10	H1 −
9	H1 +
8	M2
7	VH +
6	H2 −
5	H2 +
4	M3
3	H3 −
2	VH −
1	H3 +

P2506 (TO TAKEUP REEL MOTOR)

15	M2
14	H3 −
13	H3 +
12	M1
11	M3
10	H2 −
9	VH −
8	H2 +
7	VH +
6	H1 −
5	H1 +
4	VFG +
3	FG +
2	VFG −
1	FG −

P2507

1	S REEL POWER	P6006 - 1
2	S POWER CTL	P6006 - 2
3	T REEL POWER	P6006 - 3
4	T POWER CTL	P6006 - 4
5	REEL GND	P6006 - 5

J501
NOT USED

REF. NO. 2000 SERIES

MOTHER C.B.A. (VEP00S01B: AG-7350/VEP00S01C: AG-7150) AND MIC C.B.A. (VEP04343A)

MOTHER C.B.A.
(VEP00S01B:AG-7350/VEP00S01C:AG-7150)

MIC C.B.A.
(VEP04343A:AG-7350 ONLY)

(FOIL SIDE)

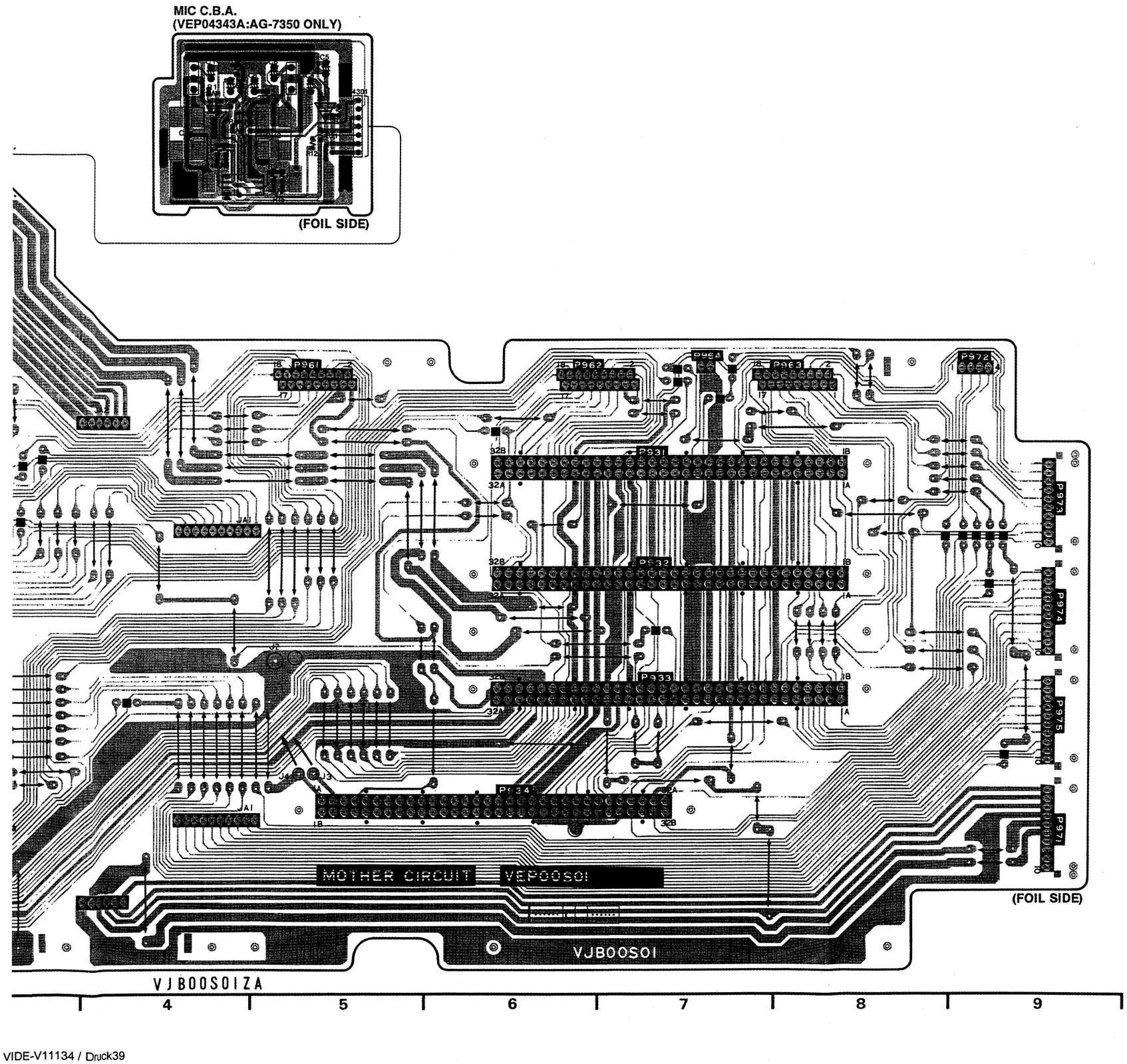
MOTHER CIRCUIT VEP00S01

VJB00S01

VJB00S01ZA

VIDE-V11134 / Druck38

'00S01C: AG-7150) AND MIC C.B.A. (VEP04343A)



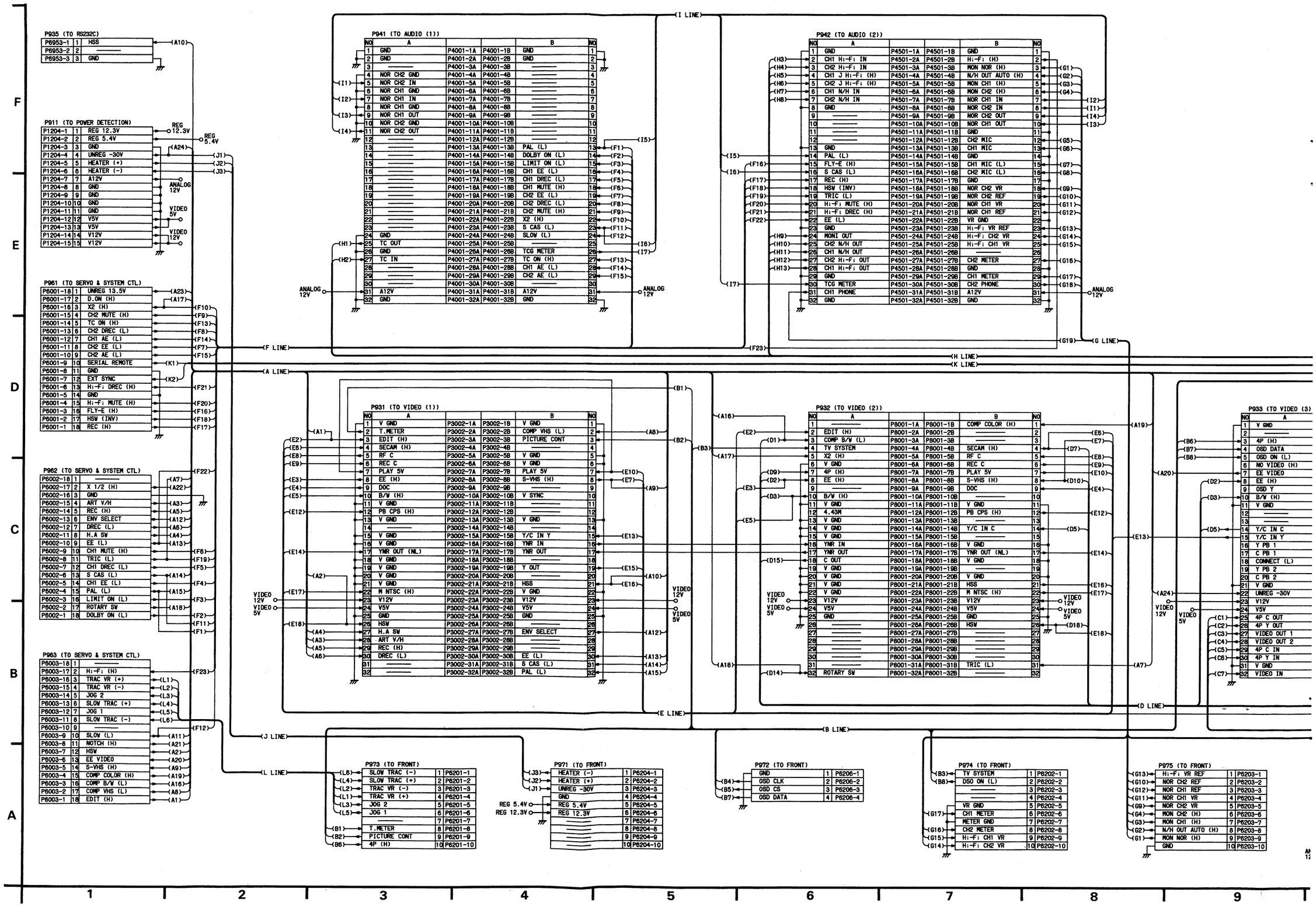
MOTHER C.B.A.	
Connector	
P911	F-2 Ⓕ
P912	F-2 Ⓕ
P931	D-7 Ⓕ
P932	C-7 Ⓕ
P933	B-7 Ⓕ
P934	B-6 Ⓕ
P935	E-1 Ⓕ
P941	C-3 Ⓕ
P942	C-2 Ⓕ
P961	D-5 Ⓕ
P962	D-6 Ⓕ
P963	D-8 Ⓕ
P964	D-7 Ⓕ
P971	A-9 Ⓕ
P972	D-9 Ⓕ
P973	C-9 Ⓕ
P974	C-9 Ⓕ
P975	B-9 Ⓕ
P976	F-3 Ⓕ
P991	C-1 Ⓕ
P992	C-1 Ⓕ
P993	B-1 Ⓕ

ADDRESS INFORMATION
Ⓒ... COMPONENT SIDE
Ⓕ... FOIL SIDE

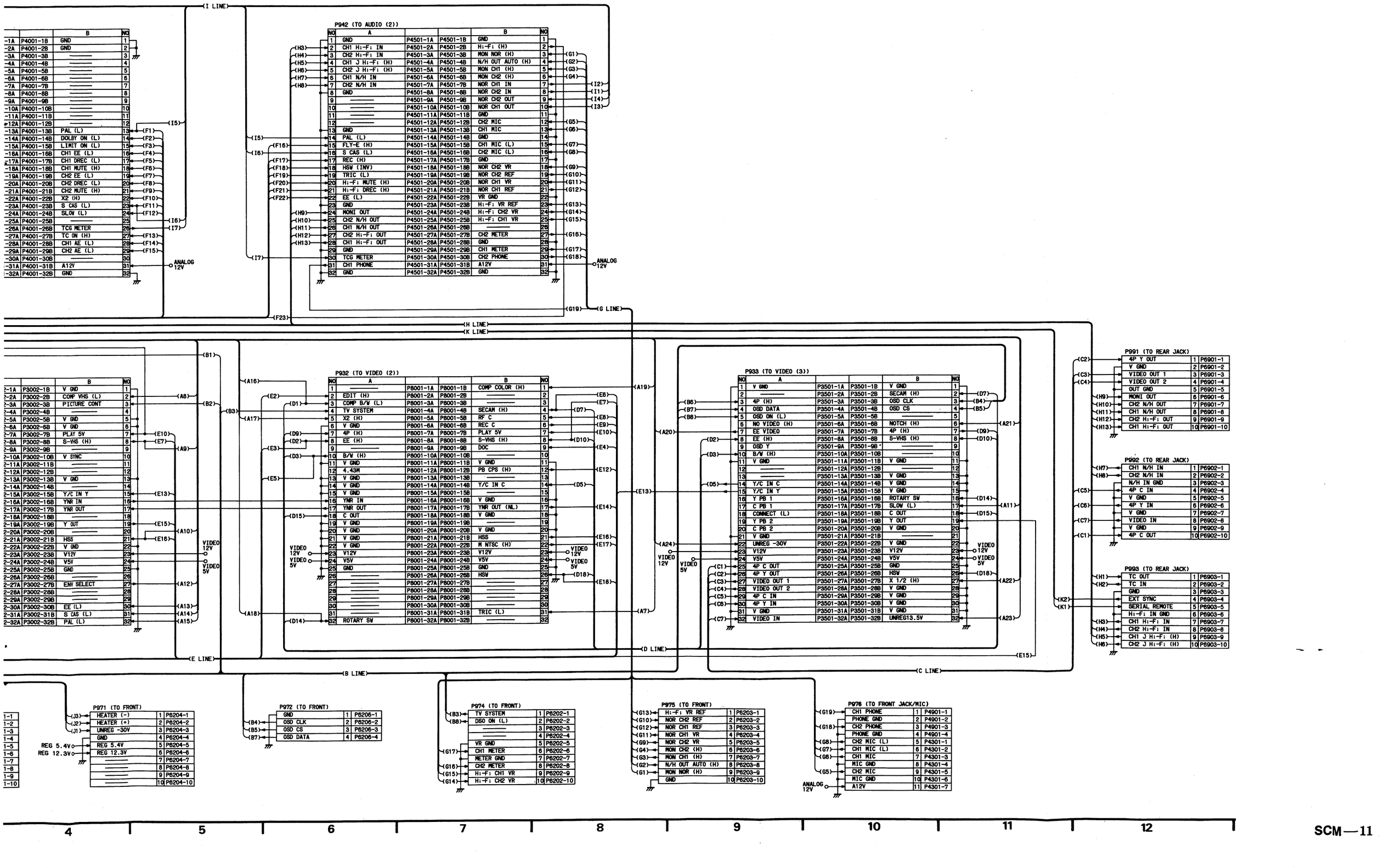
MIC C.B.A.	
Transistor	
Q4301	F-5 Ⓕ
Integrated Circuit	
IC4301	E-4 Ⓕ
Connector	
P4301	F-5 Ⓕ

ADDRESS INFORMATION
Ⓒ... COMPONENT SIDE
Ⓕ... FOIL SIDE

MOTHER SCHEMATIC DIAGRAM



VIDE-V11134 / Druck40



P942 (TO AUDIO (2))					
NO	A			B	NO
1	GND	P4501-1A	P4501-1B	GND	1
2	CH1 Hi-Fi IN	P4501-2A	P4501-2B	Hi-Fi (H)	2
3	CH2 Hi-Fi IN	P4501-3A	P4501-3B	MON NOR (H)	3
4	CH1 J Hi-Fi (H)	P4501-4A	P4501-4B	N/H OUT AUTO (H)	4
5	CH2 J Hi-Fi (H)	P4501-5A	P4501-5B	MON CH1 (H)	5
6	CH1 N/H IN	P4501-6A	P4501-6B	MON CH2 (H)	6
7	CH2 N/H IN	P4501-7A	P4501-7B	NOR CH1 IN	7
8	GND	P4501-8A	P4501-8B	NOR CH2 IN	8
9	———	P4501-9A	P4501-9B	NOR CH2 OUT	9
10	———	P4501-10A	P4501-10B	NOR CH1 OUT	10
11	———	P4501-11A	P4501-11B	GND	11
12	———	P4501-12A	P4501-12B	CH2 MIC	12
13	GND	P4501-13A	P4501-13B	CH1 MIC	13
14	PAL (L)	P4501-14A	P4501-14B	GND	14
15	FLY-E (H)	P4501-15A	P4501-15B	CH1 MIC (L)	15
16	S CAS (L)	P4501-16A	P4501-16B	CH2 MIC (L)	16
17	REC (H)	P4501-17A	P4501-17B	GND	17
18	HSW (INV)	P4501-18A	P4501-18B	NOR CH2 VR	18
19	TRIC (L)	P4501-19A	P4501-19B	NOR CH2 REF	19
20	Hi-Fi MUTE (H)	P4501-20A	P4501-20B	NOR CH1 VR	20
21	Hi-Fi DREC (H)	P4501-21A	P4501-21B	NOR CH1 REF	21
22	EE (L)	P4501-22A	P4501-22B	VR GND	22
23	GND	P4501-23A	P4501-23B	Hi-Fi VR REF	23
24	MONI OUT	P4501-24A	P4501-24B	Hi-Fi CH2 VR	24
25	CH2 N/H OUT	P4501-25A	P4501-25B	Hi-Fi CH1 VR	25
26	CH1 N/H OUT	P4501-26A	P4501-26B	———	26
27	CH2 Hi-Fi OUT	P4501-27A	P4501-27B	CH2 METER	27
28	CH1 Hi-Fi OUT	P4501-28A	P4501-28B	GND	28
29	GND	P4501-29A	P4501-29B	CH1 METER	29
30	TCG METER	P4501-30A	P4501-30B	CH2 PHONE	30
31	CH1 PHONE	P4501-31A	P4501-31B	A12V	31
32	GND	P4501-32A	P4501-32B	GND	32

P932 (TO VIDEO (2))					
NO	A			B	NO
1	———	P8001-1A	P8001-1B	COMP COLOR (H)	1
2	EDIT (H)	P8001-2A	P8001-2B	———	2
3	COMP B/W (L)	P8001-3A	P8001-3B	———	3
4	TV SYSTEM	P8001-4A	P8001-4B	SECAM (H)	4
5	X2 (H)	P8001-5A	P8001-5B	RF C	5
6	V GND	P8001-6A	P8001-6B	REC C	6
7	4P (H)	P8001-7A	P8001-7B	PLAY 5V	7
8	EE (H)	P8001-8A	P8001-8B	S-VHS (H)	8
9	———	P8001-9A	P8001-9B	DOC	9
10	B/W (H)	P8001-10A	P8001-10B	———	10
11	V GND	P8001-11A	P8001-11B	V GND	11
12	4.43M	P8001-12A	P8001-12B	PB CPS (H)	12
13	V GND	P8001-13A	P8001-13B	———	13
14	V GND	P8001-14A	P8001-14B	Y/C IN C	14
15	V GND	P8001-15A	P8001-15B	———	15
16	YNR IN	P8001-16A	P8001-16B	V GND	16
17	YNR OUT	P8001-17A	P8001-17B	YNR OUT (NL)	17
18	C OUT	P8001-18A	P8001-18B	V GND	18
19	V GND	P8001-19A	P8001-19B	———	19
20	V GND	P8001-20A	P8001-20B	V GND	20
21	V GND	P8001-21A	P8001-21B	HSS	21
22	V GND	P8001-22A	P8001-22B	M NTSC (H)	22
23	V12V	P8001-23A	P8001-23B	V12V	23
24	V5V	P8001-24A	P8001-24B	V5V	24
25	GND	P8001-25A	P8001-25B	GND	25
26	———	P8001-26A	P8001-26B	HSW	26
27	———	P8001-27A	P8001-27B	———	27
28	———	P8001-28A	P8001-28B	———	28
29	———	P8001-29A	P8001-29B	———	29
30	———	P8001-30A	P8001-30B	———	30
31	———	P8001-31A	P8001-31B	TRIC (L)	31
32	ROTARY SW	P8001-32A	P8001-32B	———	32

P933 (TO VIDEO (3))					
NO	A			B	NO
1	V GND	P3501-1A	P3501-1B	V GND	1
2	———	P3501-2A	P3501-2B	SECAM (H)	2
3	4P (H)	P3501-3A	P3501-3B	OSD CLK	3
4	OSD DATA	P3501-4A	P3501-4B	OSD CS	4
5	OSD ON (L)	P3501-5A	P3501-5B	———	5
6	NO VIDEO (H)	P3501-6A	P3501-6B	NOTCH (H)	6
7	EE VIDEO	P3501-7A	P3501-7B	4P (H)	7
8	EE (H)	P3501-8A	P3501-8B	S-VHS (H)	8
9	OSD Y	P3501-9A	P3501-9B	———	9
10	B/W (H)	P3501-10A	P3501-10B	———	10
11	V GND	P3501-11A	P3501-11B	V GND	11
12	———	P3501-12A	P3501-12B	———	12
13	———	P3501-13A	P3501-13B	V GND	13
14	Y/C IN C	P3501-14A	P3501-14B	V GND	14
15	Y/C IN Y	P3501-15A	P3501-15B	V GND	15
16	Y PB 1	P3501-16A	P3501-16B	ROTARY SW	16
17	C PB 1	P3501-17A	P3501-17B	SLOW (L)	17
18	CONNECT (L)	P3501-18A	P3501-18B	C OUT	18
19	Y PB 2	P3501-19A	P3501-19B	Y OUT	19
20	C PB 2	P3501-20A	P3501-20B	V GND	20
21	V GND	P3501-21A	P3501-21B	———	21
22	UNREG -30V	P3501-22A	P3501-22B	V GND	22
23	V12V	P3501-23A	P3501-23B	V12V	23
24	V5V	P3501-24A	P3501-24B	V5V	24
25	4P C OUT	P3501-25A	P3501-25B	GND	25
26	4P Y OUT	P3501-26A	P3501-26B	HSW	26
27	VIDEO OUT 1	P3501-27A	P3501-27B	X 1/2 (H)	27
28	VIDEO OUT 2	P3501-28A	P3501-28B	V GND	28
29	4P C IN	P3501-29A	P3501-29B	V GND	29
30	4P Y IN	P3501-30A	P3501-30B	V GND	30
31	V GND	P3501-31A	P3501-31B	V GND	31
32	VIDEO IN	P3501-32A	P3501-32B	UNREG13.5V	32

P991 (TO REAR JACK)		
4P Y OUT	1	P6901-1
V GND	2	P6901-2
VIDEO OUT 1	3	P6901-3
VIDEO OUT 2	4	P6901-4
OUT GND	5	P6901-5
MONI OUT	6	P6901-6
CH2 N/H OUT	7	P6901-7
CH1 N/H OUT	8	P6901-8
CH2 Hi-Fi OUT	9	P6901-9
CH1 Hi-Fi OUT	10	P6901-10

P992 (TO REAR JACK)		
CH1 N/H IN	1	P6902-1
CH2 N/H IN	2	P6902-2
N/H IN GND	3	P6902-3
4P C IN	4	P6902-4
V GND	5	P6902-5
4P Y IN	6	P6902-6
V GND	7	P6902-7
VIDEO IN	8	P6902-8
V GND	9	P6902-9
4P C OUT	10	P6902-10

P993 (TO REAR JACK)		
TC OUT	1	P6903-1
TC IN	2	P6903-2
GND	3	P6903-3
EXT SYNC	4	P6903-4
SERIAL REMOTE	5	P6903-5
Hi-Fi IN GND	6	P6903-6
CH1 Hi-Fi IN	7	P6903-7
CH2 Hi-Fi IN	8	P6903-8
CH1 J Hi-Fi (H)	9	P6903-9
CH2 J Hi-Fi (H)	10	P6903-10

P971 (TO FRONT)		
HEATER (-)	1	P6204-1
HEATER (+)	2	P6204-2
UNREG -30V	3	P6204-3
GND	4	P6204-4
REG 5.4V	5	P6204-5
REG 12.3V	6	P6204-6
———	7	P6204-7
———	8	P6204-8
———	9	P6204-9
———	10	P6204-10

P972 (TO FRONT)		
GND	1	P6206-1
OSD CLK	2	P6206-2
OSD CS	3	P6206-3
OSD DATA	4	P6206-4

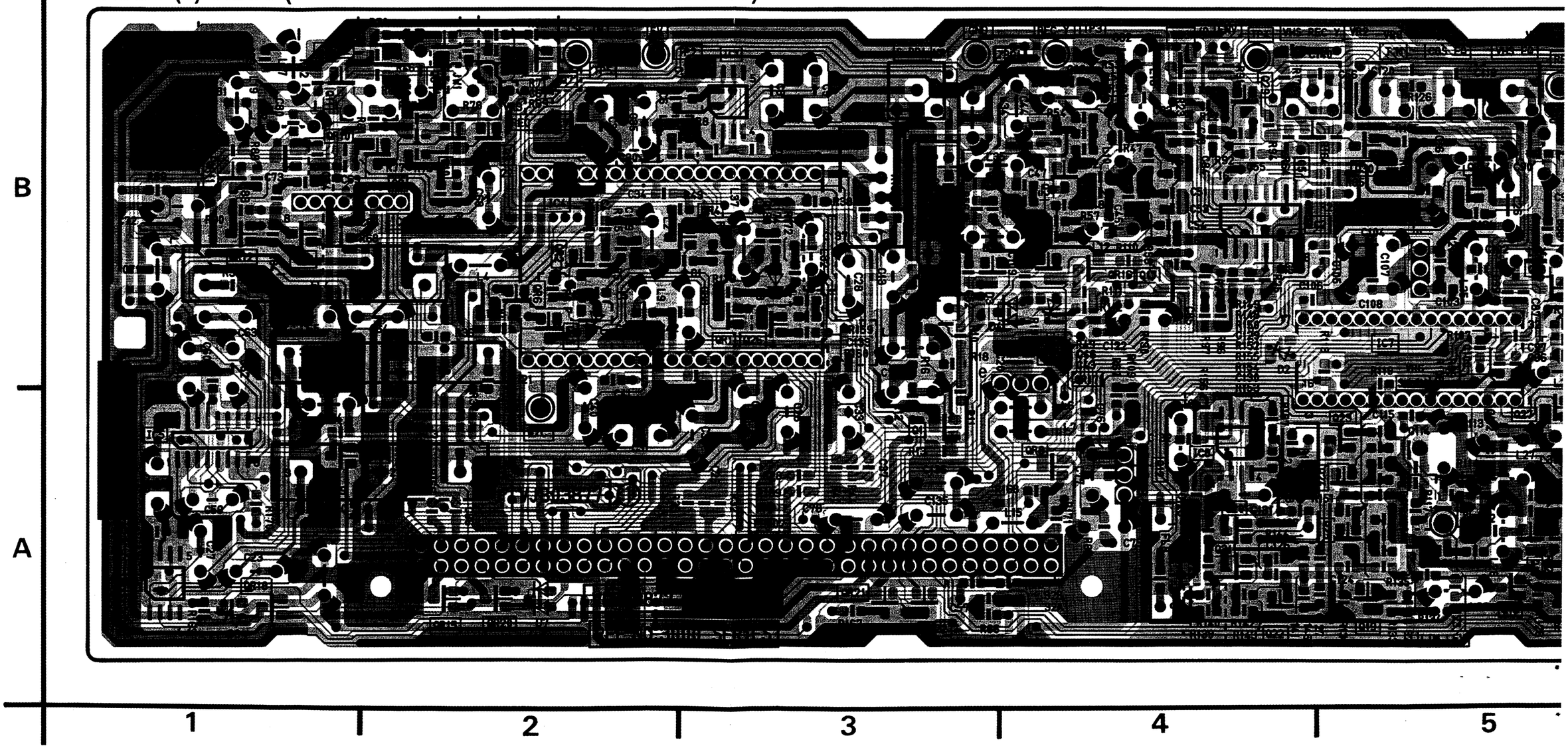
P974 (TO FRONT)		
TV SYSTEM	1	P6202-1
DSO ON (L)	2	P6202-2
———	3	P6202-3
———	4	P6202-4
VR GND	5	P6202-5
CH1 METER	6	P6202-6
METER GND	7	P6202-7
CH2 METER	8	P6202-8
Hi-Fi CH1 VR	9	P6202-9
Hi-Fi CH2 VR	10	P6202-10

P975 (TO FRONT)		
Hi-Fi VR REF	1	P6203-1
NOR CH2 REF	2	P6203-2
NOR CH1 REF	3	P6203-3
NOR CH1 VR	4	P6203-4
NOR CH2 VR	5	P6203-5
MON CH2 (H)	6	P6203-6
MON CH1 (H)	7	P6203-7
N/H OUT AUTO (H)	8	P6203-8
MON NOR (H)	9	P6203-9
GND	10	P6203-10

P976 (TO FRONT JACK/MIC)		
CH1 PHONE	1	P4901-1
PHONE GND	2	P4901-2
CH2 PHONE	3	P4901-3
PHONE GND	4	P4901-4
CH2 MIC (L)	5	P4301-1
CH1 MIC (L)	6	P4301-2
CH1 MIC	7	P4301-3
MIC GND	8	P4301-4
CH2 MIC	9	P4301-5
MIC GND	10	P4301-6
A12V	11	P4301-7

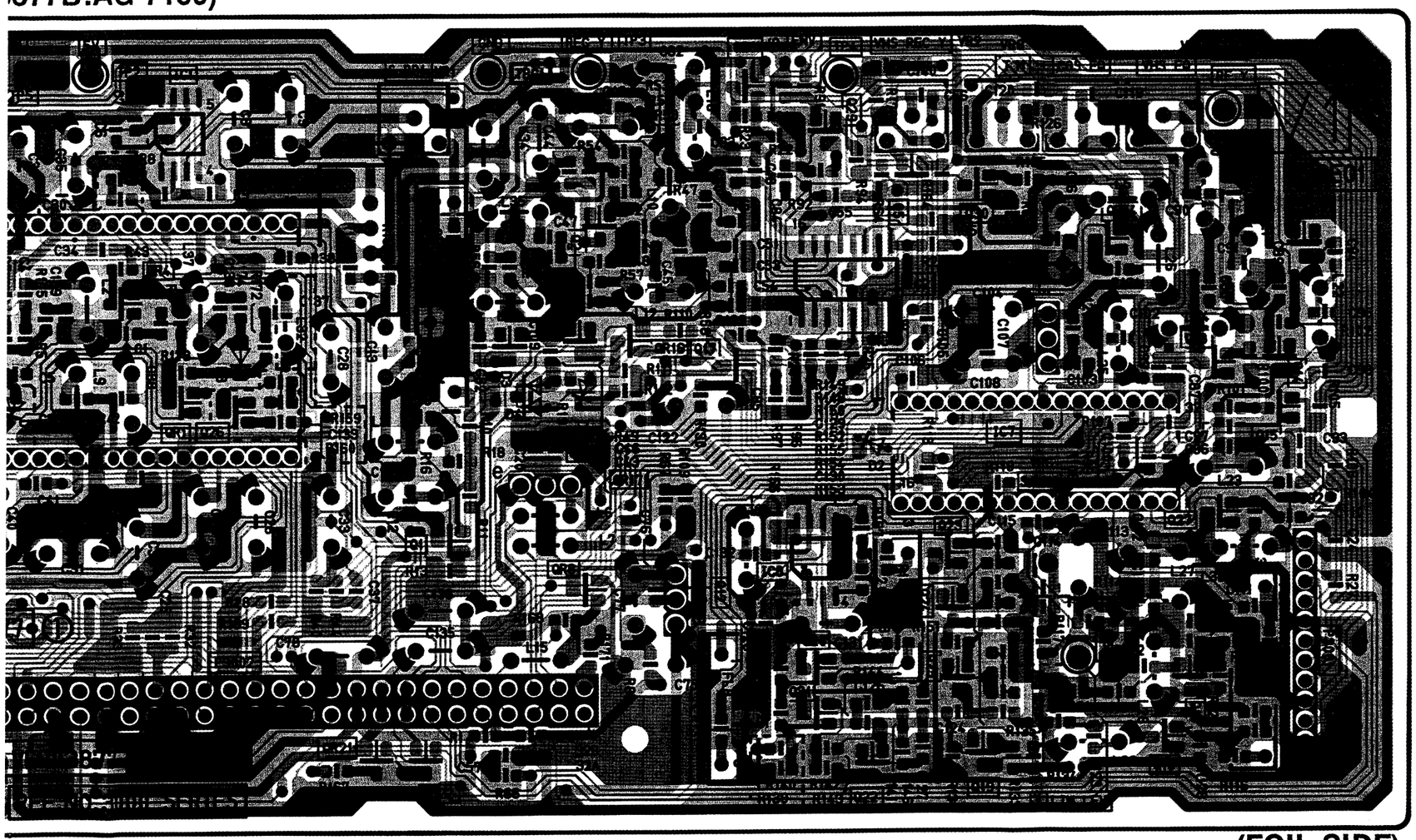
VIDEO (1) C.B.A. (VEP03877A: AG-7350/VEP03877B: AG-7150)

VIDEO (1) C.B.A. (VEP03877A:AG-7350/VEP03877B:AG-7150)



G-7150)

877B:AG-7150)



(FOIL SIDE)

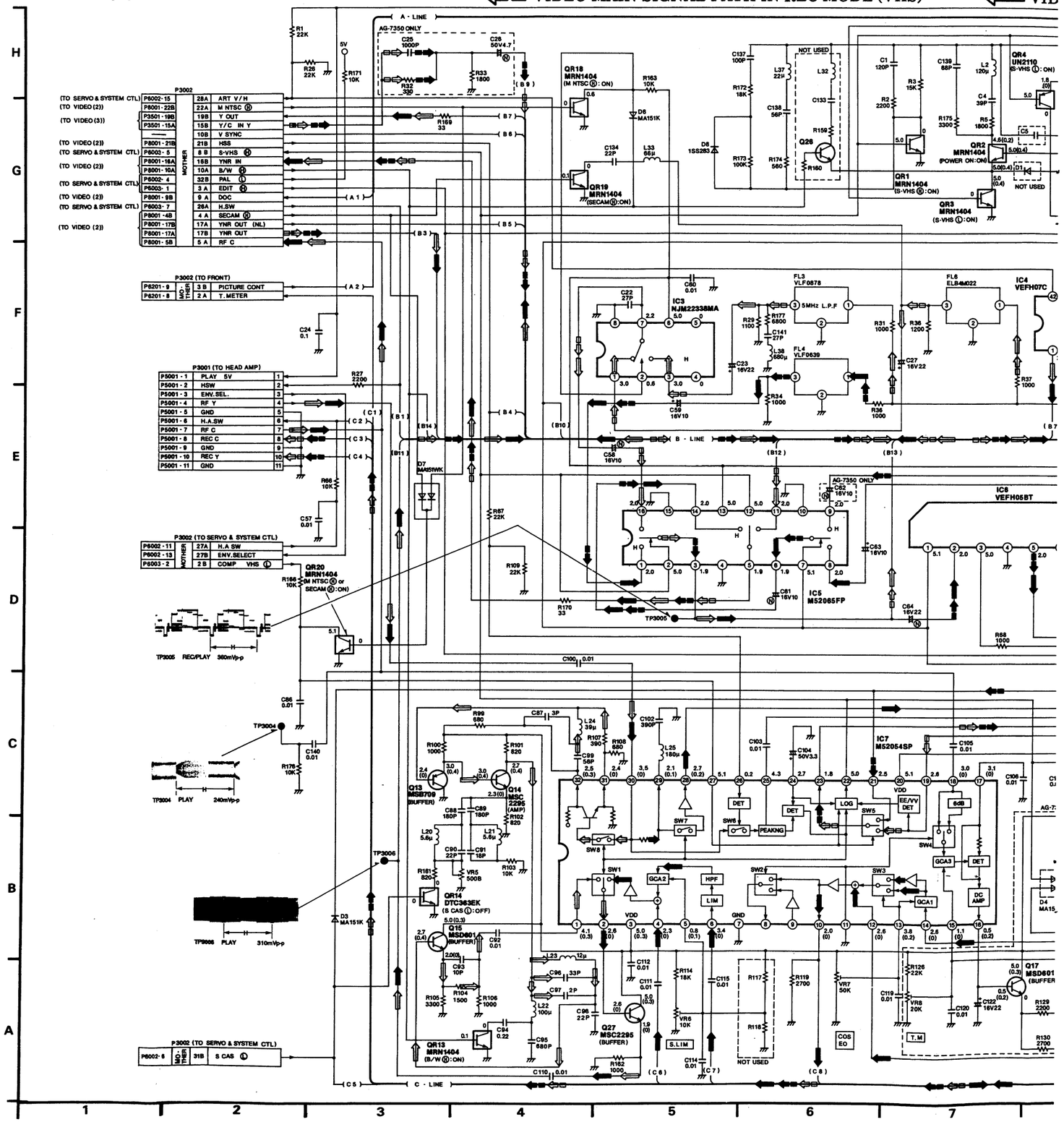
3 4 5

VIDEO (1) C.B.A.			
Transistor		QR3015	A-2
Q3001	A-3	QR3016	B-4
Q3002	B-4	QR3017	B-4
Q3005	B-4	QR3018	A-1
Q3006	B-2	QR3019	A-2
Q3007	B-2	QR3020	A-2
Q3008	B-2	QR3021	A-3
Q3009	B-2	QR3022	A-3
Q3010	B-2	**Integrated Circuit**	
Q3011	B-1	IC3001	B-3
Q3012	A-4	IC3002	B-4
Q3013	B-5	IC3003	A-1
Q3014	B-5	IC3004	B-2
Q3015	B-5	IC3005	A-1
Q3016	A-5	IC3006	B-2
Q3017	B-4	IC3007	B-5
Q3018	A-5	IC3008	A-4
Q3019	A-5	**Test Point**	
Q3020	A-4	TP3001	A-2
Q3021	A-4	TP3002	B-3
Q3022	A-4	TP3003	B-4
Q3023	A-5	TP3004	B-4
Q3024	A-4	TP3005	B-2
Q3025	A-5	TP3006	B-5
Q3026	B-3	TP3007	A-5
Q3027	A-5	TPG3001	B-4
Q3028	B-4	**Adjustment**	
Q3029	B-4	VR3001	B-3
Q3030	B-5	VR3002	B-5
Transistor & Resistor		VR3003	B-2
QR3001	B-3	VR3004	B-1
QR3002	B-2	VR3005	B-5
QR3003	B-2	VR3006	A-5
QR3004	B-3	VR3007	B-5
QR3005	B-4	VR3008	B-5
QR3006	B-2	**Connector**	
QR3007	B-1	P3001	A-5
QR3008	A-4	P3002	A-3
QR3010	B-1		
QR3011	B-1		
QR3012	B-1		
QR3013	B-5		
QR3014	B-5		

ADDRESS INFORMATION
©...COMPONENT SIDE
Ⓕ...FOIL SIDE

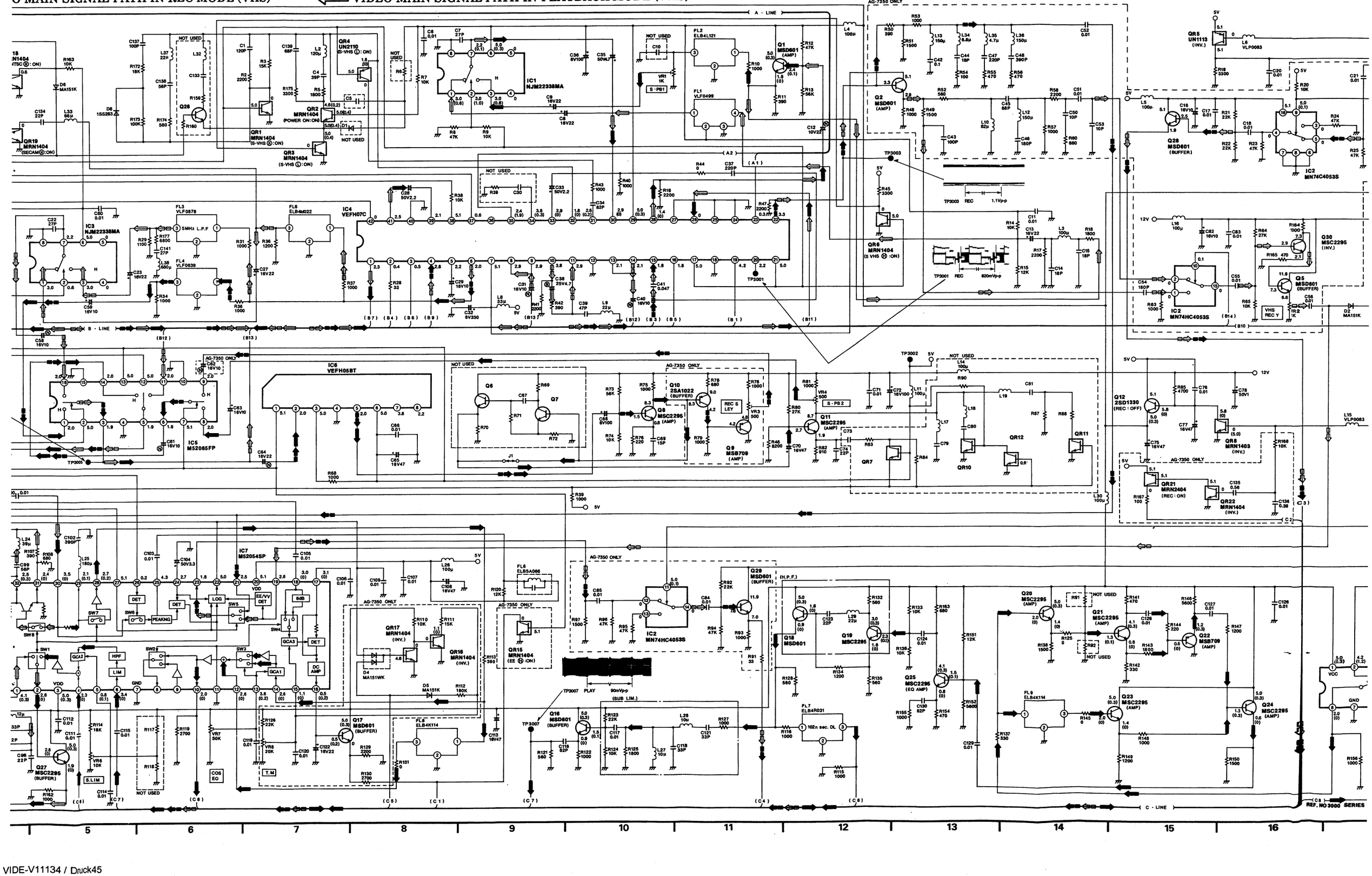
VIDEO (1) SCHEMATIC DIAGRAM

VIDEO MAIN SIGNAL PATH IN REC MODE (S-VHS)
VIDEO MAIN SIGNAL PATH IN REC MODE (VHS)

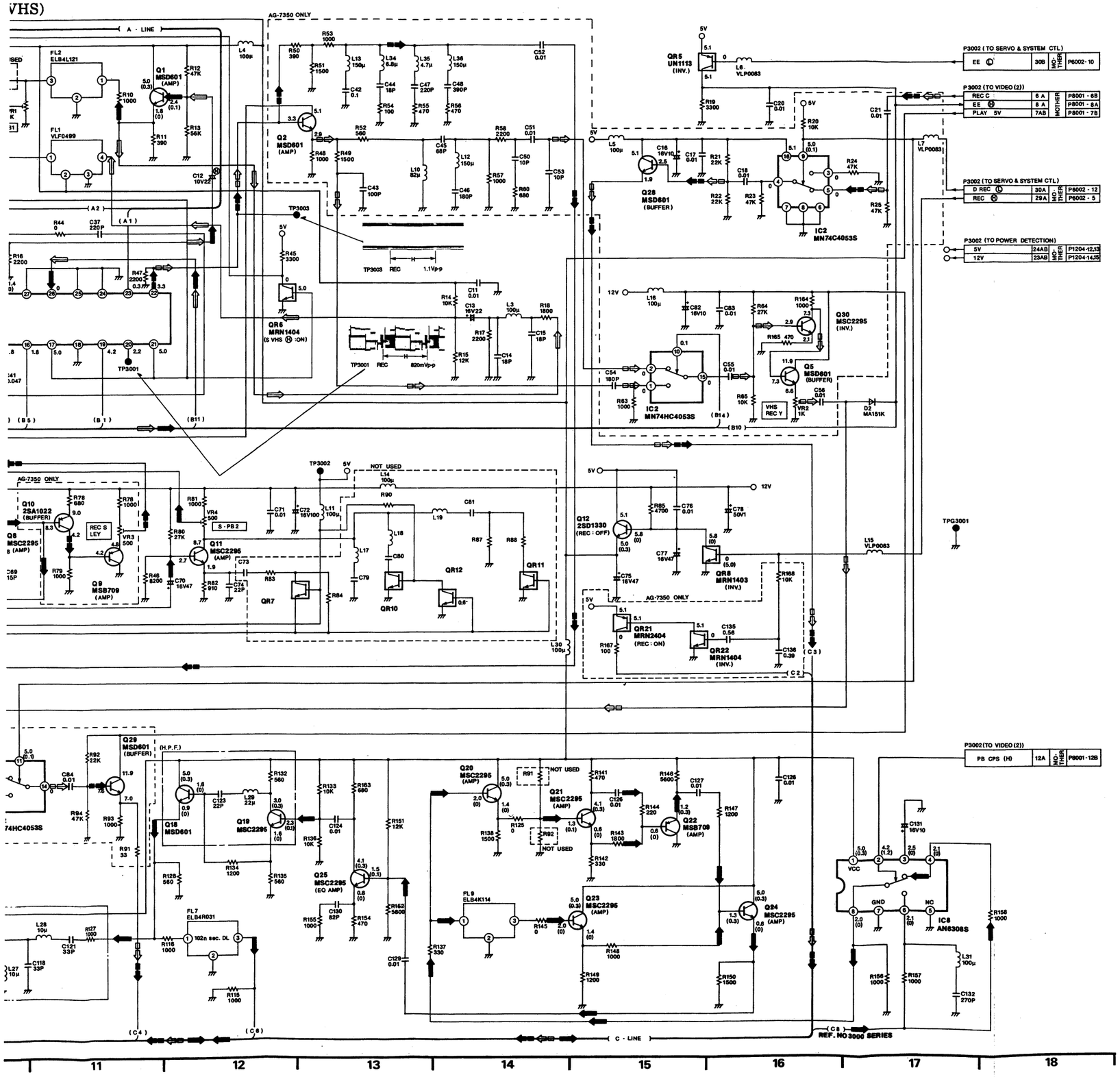


O MAIN SIGNAL PATH IN REC MODE (S-VHS)
O MAIN SIGNAL PATH IN REC MODE (VHS)

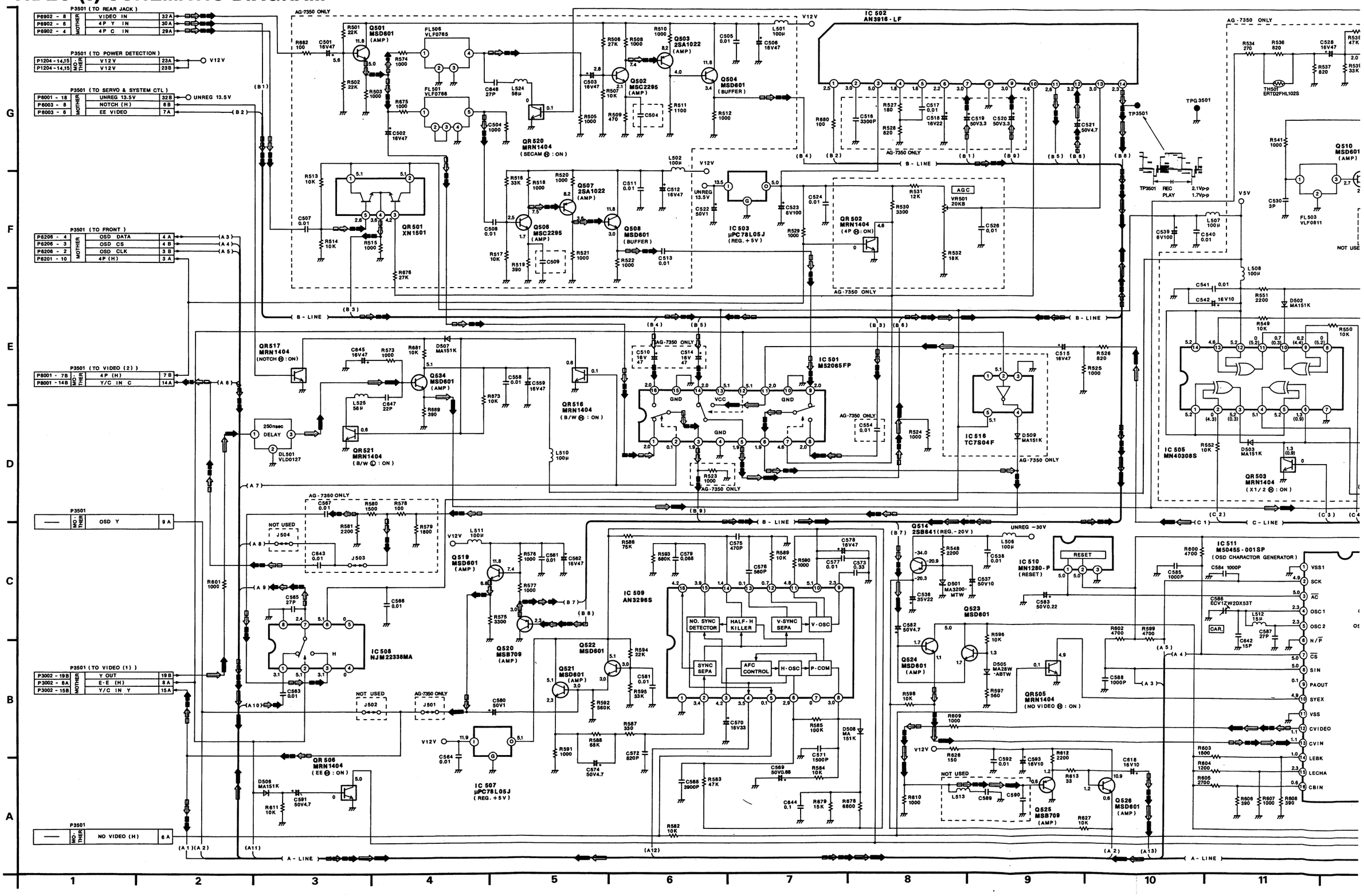
VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE (S-VHS)
VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE (VHS)



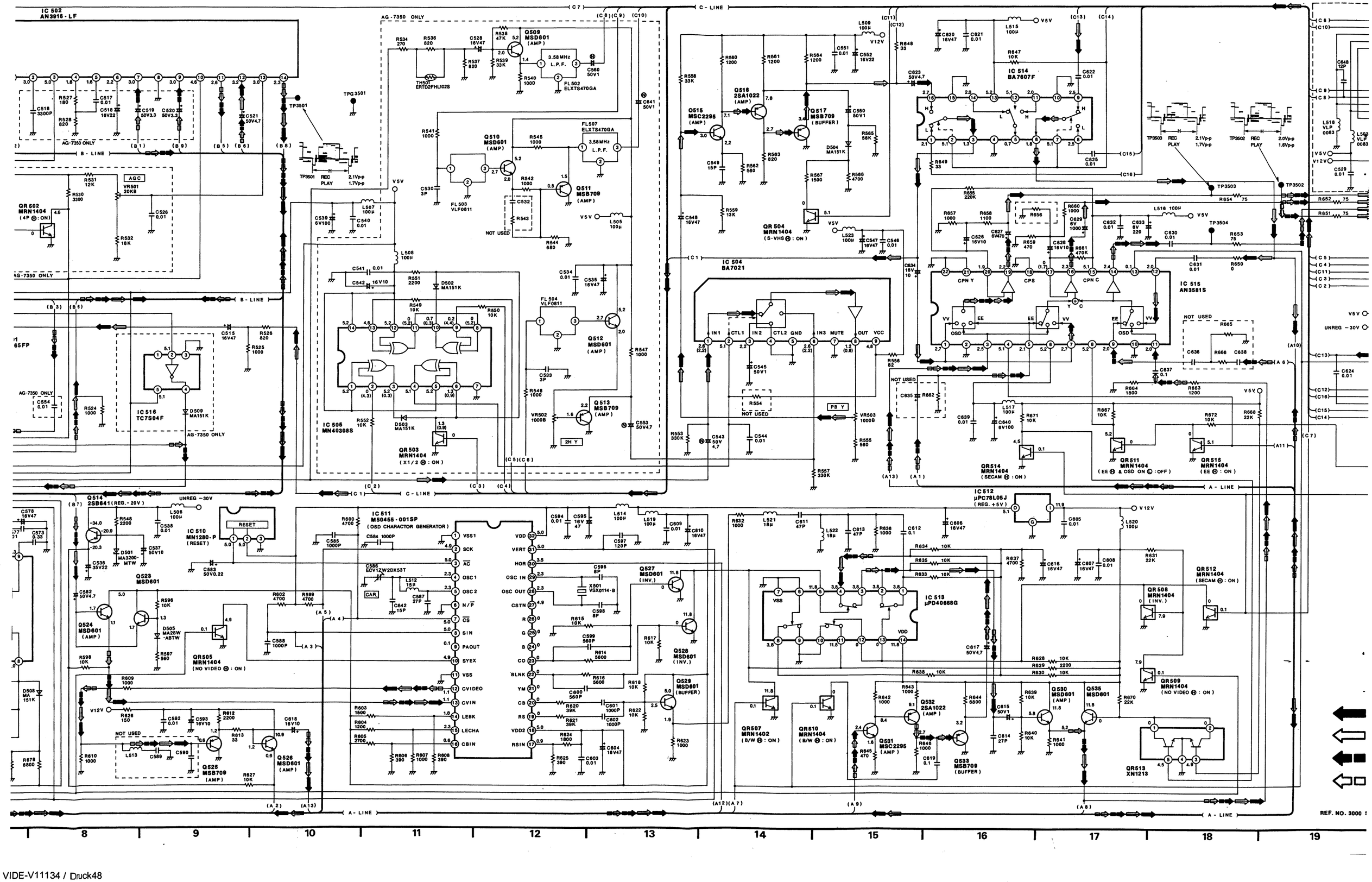
S-VHS)
VHS)

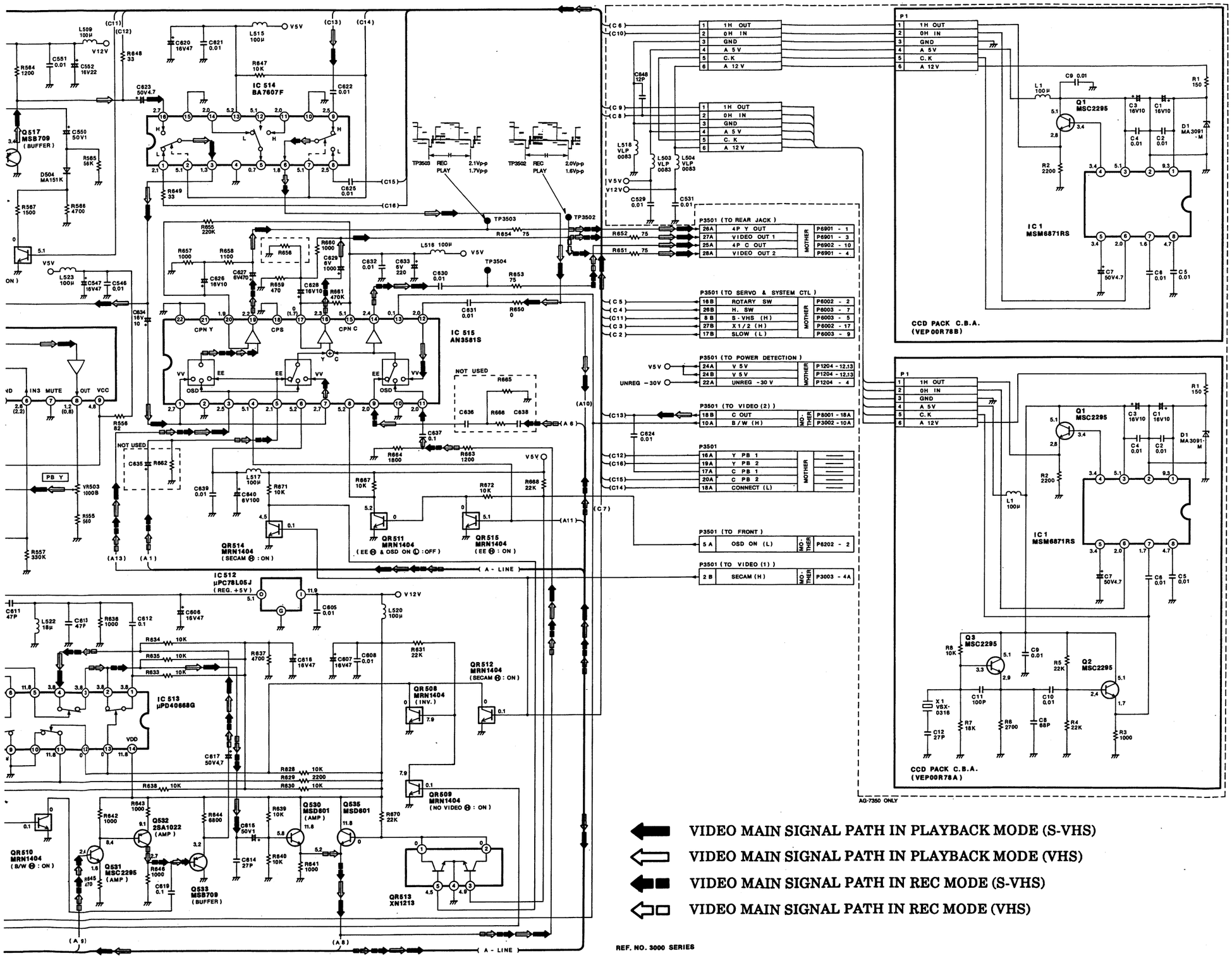

A - LINE
A2
A1
B5
B1
B11
B14
B10
C - LINE
C1
C2
C3
C4
C8
AG-7350 ONLY
NOT USED
REC S LEY
S - PB 2
VHS REC Y
Q1 MSD601 (AMP)
Q2 MSD601 (AMP)
Q5 MSD601 (BUFFER)
Q8 MSC2295 (AMP)
Q9 MSB709 (AMP)
Q10 2SA1022 (BUFFER)
Q11 MSC2295 (AMP)
Q12 2SD1330 (REC : OFF)
Q18 MSD601
Q19 MSC2295
Q20 MSC2295 (AMP)
Q21 MSC2295 (AMP)
Q22 MSB709 (AMP)
Q23 MSC2295 (AMP)
Q24 MSC2295 (AMP)
Q25 MSC2295 (EQ AMP)
Q28 MSD601 (BUFFER)
Q29 MSD601 (BUFFER)
Q30 MSC2295 (INV.)
QR5 UN111S (INV.)
QR6 MRN1404 (S VHS H :ON)
QR7
QR8 MRN1403 (INV.)
QR10
QR11
QR12
QR21 MRN2404 (REC : ON)
QR22 MRN1404 (INV.)
IC2 MN74HC4053S
IC8 AN6308S
FL1 VLF0499
FL2 ELB4L121
FL7 ELB4R031
FL9 ELB4K114
L4 100µ
L5 100µ
L6 VLP0083
L7 VLP0083
L15 VLP0083
L16 100µ
L30 100µ
TP3001
TP3002
TP3003
TPG3001
TP3003 REC 1.1Vp-p
TP3001 REC 820mVp-p
102n sec. DL
P3002 (TO SERVO & SYSTEM CTL)
EE
REC C
PLAY 5V
P3002 (TO VIDEO (2))
REC H
P3002 (TO SERVO & SYSTEM CTL)
D REC
REC H
P3002 (TO POWER DETECTION)
5V
12V
P3002(TO VIDEO (2))
PB CPS (H)
MOTHER
P6002- 10
P8001 - 6B
P8001 - 8A
P8001 - 7B
P6002 - 12
P6002 - 5
P1204-12,13
P1204-14,15
P8001 - 12B
REF. NO 3000 SERIES
11
12
13
14
15
16
17
18

VIDEO (3) SCHEMATIC DIAGRAM



VIDE-V11134 / Druck47


IC 502
AN3916 - LF
AG-7350 ONLY
B - LINE
C - LINE
A - LINE
QR 502
MRN1404
(4P ⊖ : ON)
AGC
VR501
20KB
IC 504
BA7021
IC 505
MN40308S
IC 506
TC7S04F
IC 510
MN1280-P
(RESET)
IC 511
M50455-001SP
(OSD CHARACTOR GENERATOR)
IC 512
μPC78L05J
(REG. +5V)
IC 513
μPD40668G
IC 514
BA7607F
IC 515
AN3581S
QR 503
MRN1404
(X1/2 ⊖ : ON)
QR 504
MRN1404
(S-VHS ⊖ : ON)
QR 505
MRN1404
(NO VIDEO ⊖ : ON)
QR 506
MRN1404
(B/W ⊖ : ON)
QR 507
MRN1402
(B/W ⊖ : ON)
QR 508
MRN1404
(INV.)
QR 509
MRN1404
(NO VIDEO ⊖ : ON)
QR 510
MRN1404
(B/W ⊖ : ON)
QR 511
MRN1404
(EE ⊖ & OSD ON ⊕ : OFF)
QR 512
MRN1404
(SECAM ⊖ : ON)
QR 513
XN1213
QR 514
MRN1404
(SECAM ⊖ : ON)
QR 515
MRN1404
(EE ⊖ : ON)
Q509 MSD601 (AMP)
Q510 MSD601 (AMP)
Q511 MSB709 (AMP)
Q512 MSD601 (AMP)
Q513 MSB709 (AMP)
Q514 2SB641 (REG. - 20V)
Q515 MSC2295 (AMP)
Q516 2SA1022 (AMP)
Q517 MSB709 (BUFFER)
Q523 MSD601
Q524 MSD601 (AMP)
Q525 MSB709 (AMP)
Q526 MSD601 (AMP)
Q527 MSD601 (INV.)
Q528 MSD601 (INV.)
Q529 MSD601 (BUFFER)
Q530 MSD601 (AMP)
Q531 MSC2295 (AMP)
Q532 2SA1022 (AMP)
Q533 MSB709 (BUFFER)
Q535 MSD601
FL 502 ELXTS470GA
FL 503 VLF0811
FL 504 VLF0811
FL 507 ELXTS470GA
TP3501
TP3502
TP3503
TP3504
TPG 3501
TH501 ERTD2FHL102S
X501 VSX0114-B
D501 MA3200-MTW
D502 MA151K
D503 MA151K
D504 MA151K
D505 MA28W-ABTW
D508 MA 151K
D509 MA151K
L501 VLF 0083
L502 VLF 0083
L503 VLF 0083
L505 100μ
L506 100μ
L507 100μ
L508 100μ
L509 100μ
L514 100μ
L515 100μ
L516 100μ
L517 100μ
L518 VLP 0083
L519 100μ
L520 100μ
L521 18μ
L522 18μ
L523 100μ
V12V
V5V
UNREG −30V
REC PLAY 2.1Vp-p 1.7Vp-p
REC PLAY 2.1Vp-p 1.7Vp-p
REC PLAY 2.0Vp-p 1.6Vp-p
3.58MHz L.P.F.
NOT USED
RESET
CAR.
OSD
CPN Y
CPS
CPN C
PB Y
2H Y
8
9
10
11
12
13
14
15
16
17
18
19



VIDEO (3) C.B.A.

Transistor			
Q3501	A-7	©	
Q3502	A-5	Ⓕ	
Q3503	A-5	Ⓕ	
Q3504	A-6	©	
Q3506	A-5	Ⓕ	
Q3507	A-5	Ⓕ	
Q3508	A-7	©	
Q3509	A-1	Ⓕ	
Q3510	B-2	Ⓕ	
Q3511	B-2	Ⓕ	
Q3511	B-7	©	
Q3512	C-1	Ⓕ	
Q3513	C-2	Ⓕ	
Q3514	A-3	Ⓕ	
Q3514	A-8	©	
Q3515	B-2	Ⓕ	
Q3516	B-3	Ⓕ	
Q3517	B-2	Ⓕ	
Q3519	B-5	Ⓕ	
Q3520	B-7	©	
Q3521	B-5	Ⓕ	
Q3522	B-6	©	
Q3523	B-5	Ⓕ	
Q3524	B-5	Ⓕ	
Q3525	B-4	Ⓕ	
Q3526	A-4	Ⓕ	
Q3527	B-4	Ⓕ	
Q3528	B-4	Ⓕ	
Q3529	B-4	Ⓕ	
Q3531	A-8	©	
Q3532	B-8	©	
Q3533	B-4	Ⓕ	
Q3534	A-2	Ⓕ	

Transistor & Resistor			
QR3501	A-7	©	
QR3502	B-5	Ⓕ	
QR3503	A-4	Ⓕ	
QR3504	A-2	Ⓕ	
QR3505	B-7	©	
QR3506	B-4	Ⓕ	
QR3507	B-8	©	
QR3508	B-3	Ⓕ	
QR3509	A-4	Ⓕ	
QR3510	B-8	©	
QR3511	A-2	Ⓕ	
QR3512	A-10	©	
QR3513	A-2	Ⓕ	
QR3514	A-2	Ⓕ	
QR3515	A-2	Ⓕ	
QR3516	A-2	Ⓕ	
QR3517	A-2	Ⓕ	
QR3520	A-5	Ⓕ	
QR3521	A-10	©	
QR3530	B-3	Ⓕ	
QR3535	B-3	Ⓕ	

Integrated Circuit			
IC3501	A-6	©	
IC3502	B-5	Ⓕ	
IC3502	B-6	©	
IC3503	A-4	Ⓕ	
IC3503	A-8	©	
IC3504	C-2	Ⓕ	
IC3504	C-9	©	
IC3505	A-10	©	
IC3507	C-5	Ⓕ	
IC3507	C-7	©	
IC3508	A-5	Ⓕ	
IC3509	B-7	©	
IC3510	C-4	Ⓕ	
IC3510	C-7	©	
IC3511	B-4	Ⓕ	
IC3512	C-4	Ⓕ	
IC3512	C-8	©	
IC3513	B-8	©	
IC3514	B-9	©	
IC3515	B-8	©	
IC3516	A-5	Ⓕ	

Test Point			
TP3501	B-5	Ⓕ	
TP3501	B-7	©	
TP3502	C-3	Ⓕ	
TP3502	C-9	©	
TP3503	C-3	Ⓕ	
TP3503	C-9	©	
TP3504	C-3	Ⓕ	
TP3504	C-9	©	
TPG3501	C-2	Ⓕ	

Adjustment			
C3586	B-4	Ⓕ	
C3586	B-7	©	
VR3501	B-5	Ⓕ	
VR3501	C-6	©	
VR3502	B-2	Ⓕ	
VR3502	C-10	©	
VR3503	C-2	Ⓕ	
VR3503	C-9	©	

Connector			
P3501	A-3	Ⓕ	
P3501	A-9	©	

ADDRESS INFORMATION
© ... COMPONENT SIDE
Ⓕ ... FOIL SIDE

CCD PACK (1) C.B.A.	
Transistor	
Q1	C-1
Q2	C-1
Q3	C-1
Integrated Circuit	
IC1	C-1
Connector	
P1	C-1

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Ⓕ ... FOIL SIDE

CCD PACK (2) C.B.A.	
Transistor	
Q1	C-2
Q2	C-2
Q3	C-2
Integrated Circuit	
IC1	C-2
Connector	
P1	C-2

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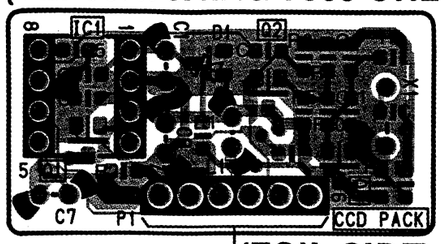
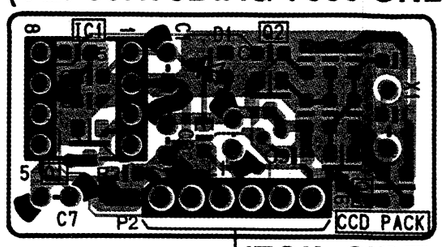
VIDEO (3) C.B.A. (VEP03879A: AG-7350/VEP03879B: AG-7150), CCD PACK (1) C.B.A. (VEP00R78A) AND CCD PACK (2) C.B.A. (VEP00R7

CCD PACK (1) C.B.A.
(VEP00R78A:AG-7350 ONLY)



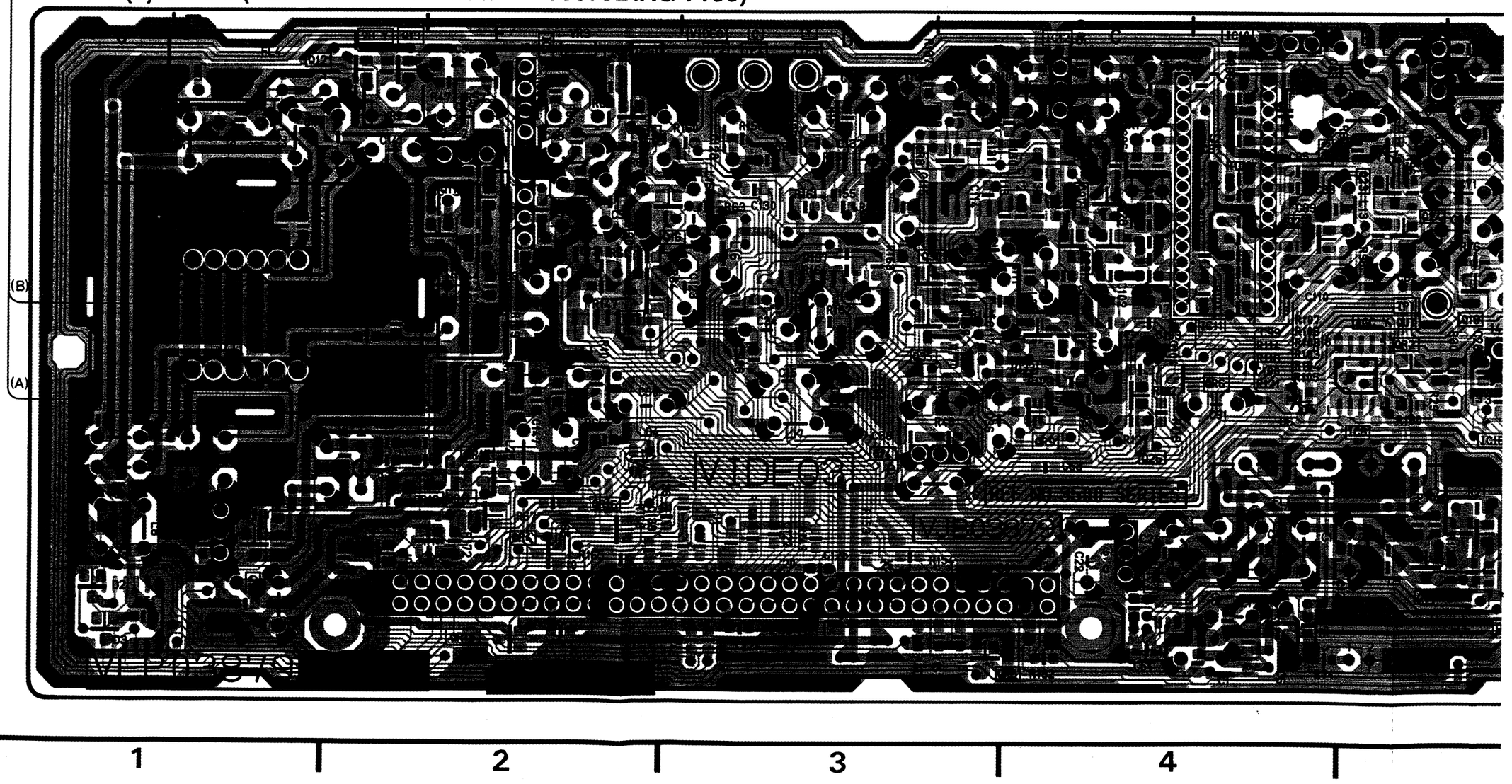
(A) (FOIL SIDE)

CCD PACK (2) C.B.A.
(VEP00R78B:AG-7350 ONLY)

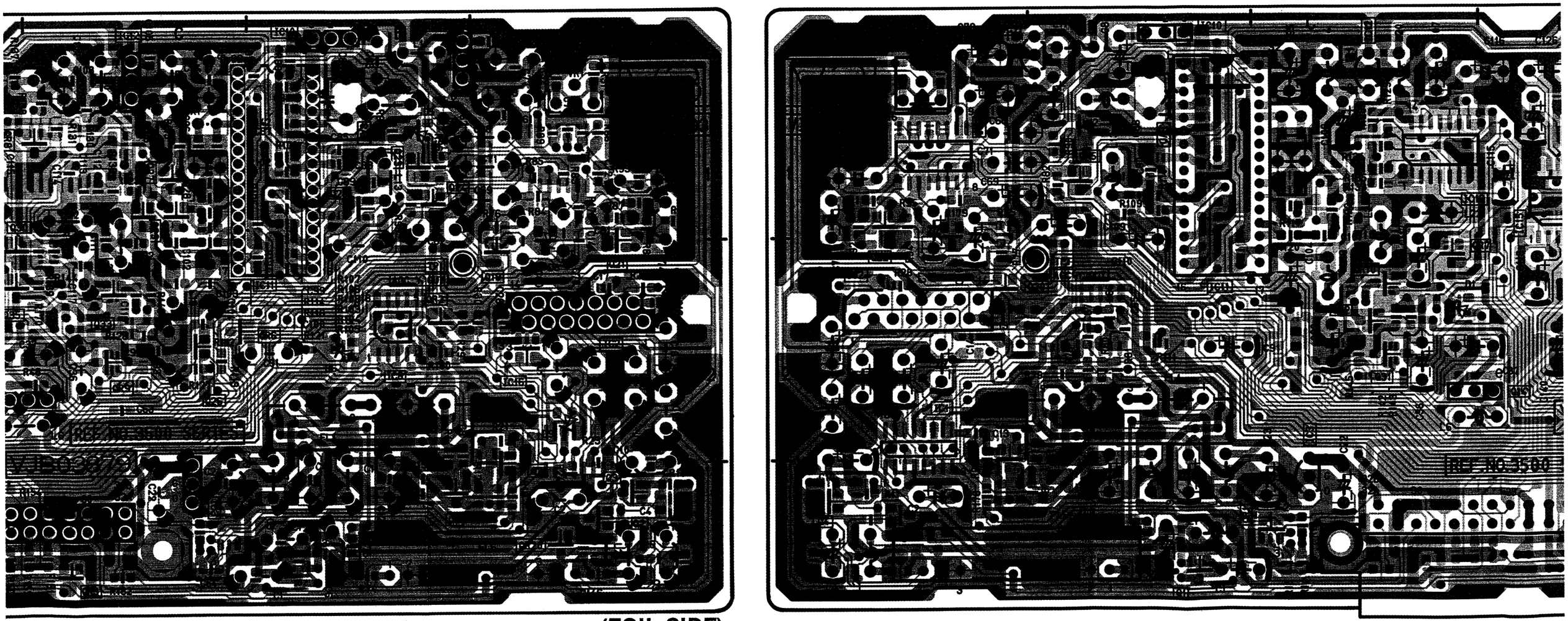


(B) (FOIL SIDE)

VIDEO (3) C.B.A. (VEP03879A:AG-7350/VEP03879B:AG-7150)

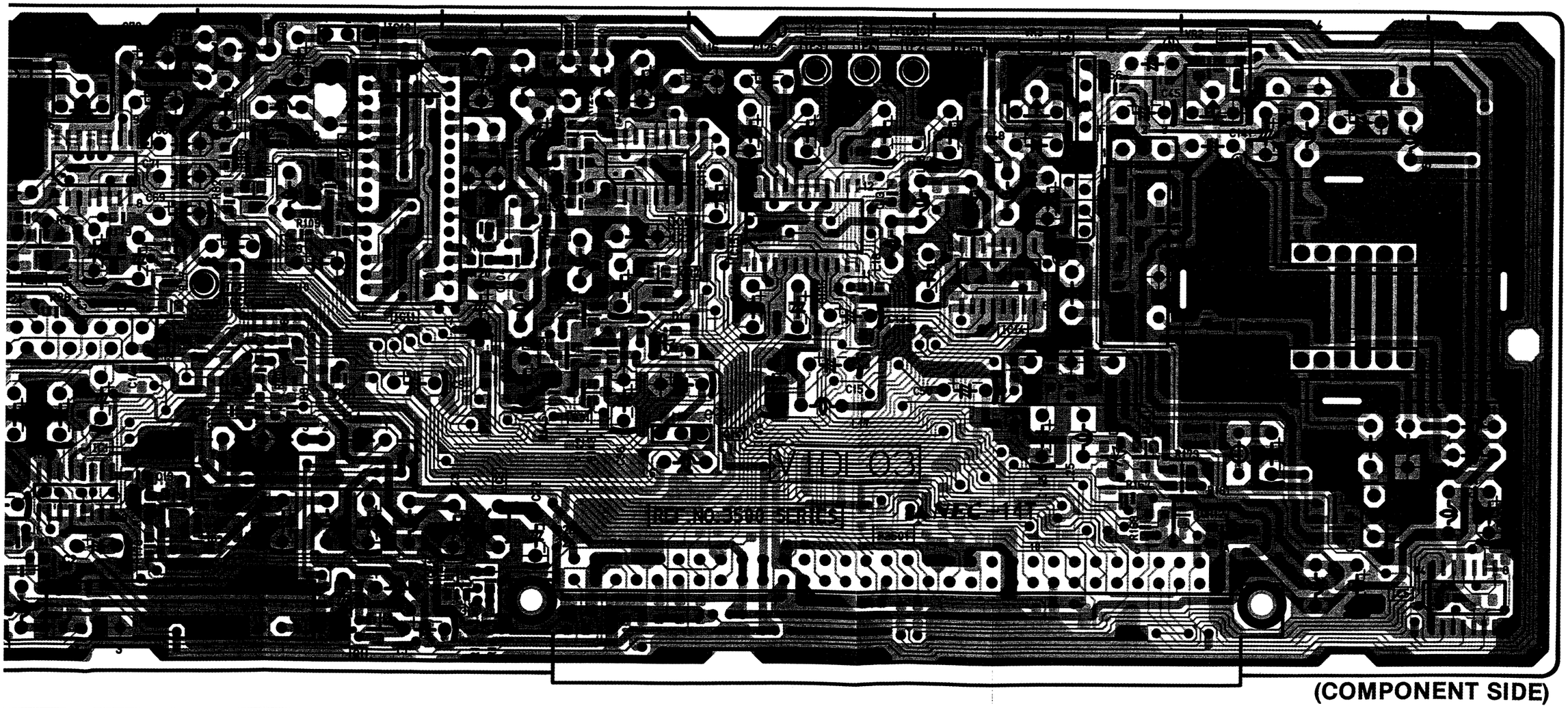


(VEP00R78A) AND CCD PACK (2) C.B.A. (VEP00R78B)



(FOIL SIDE)

4 5 6 7 8


VIDI 03
(COMPONENT SIDE)
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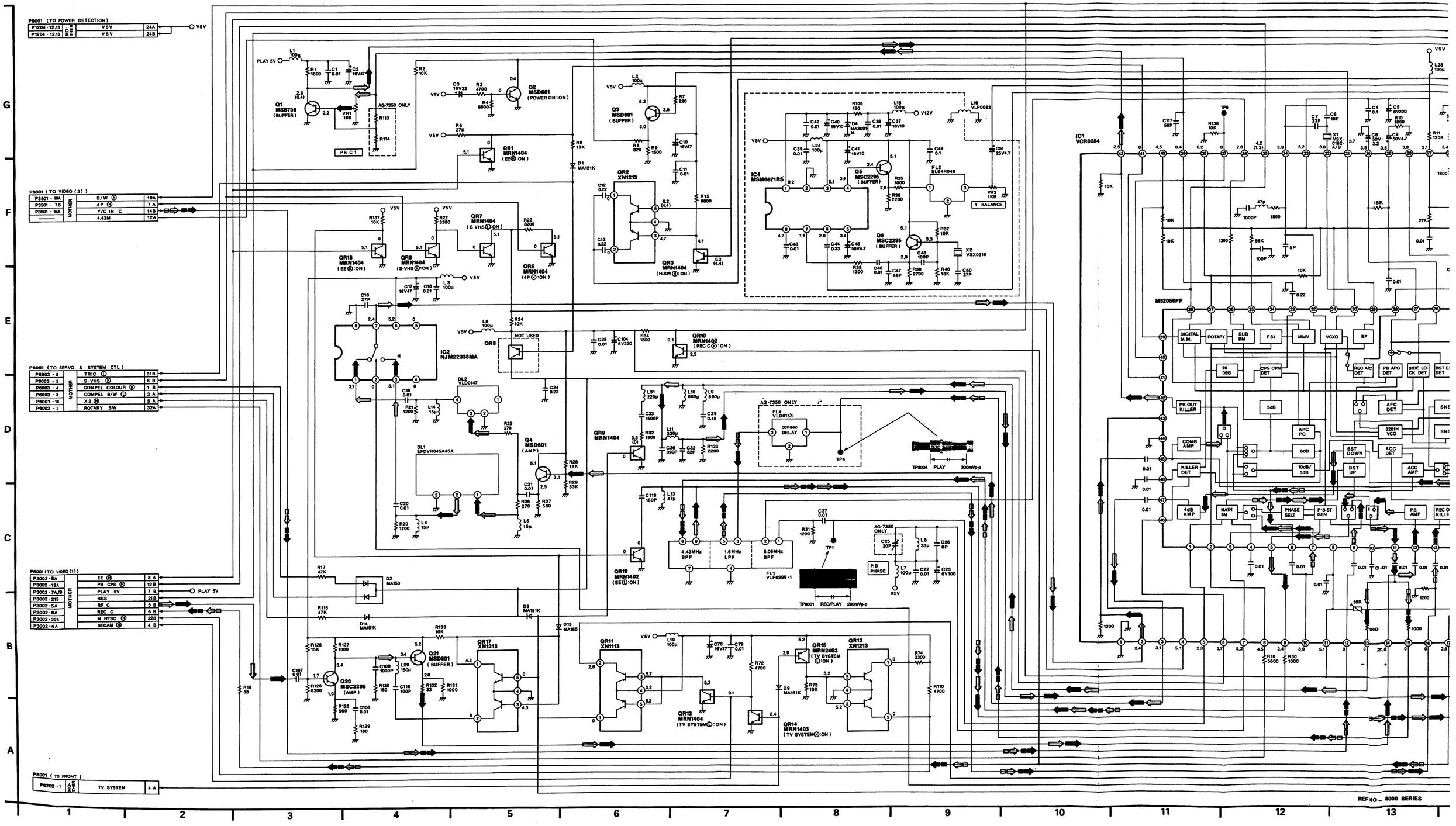
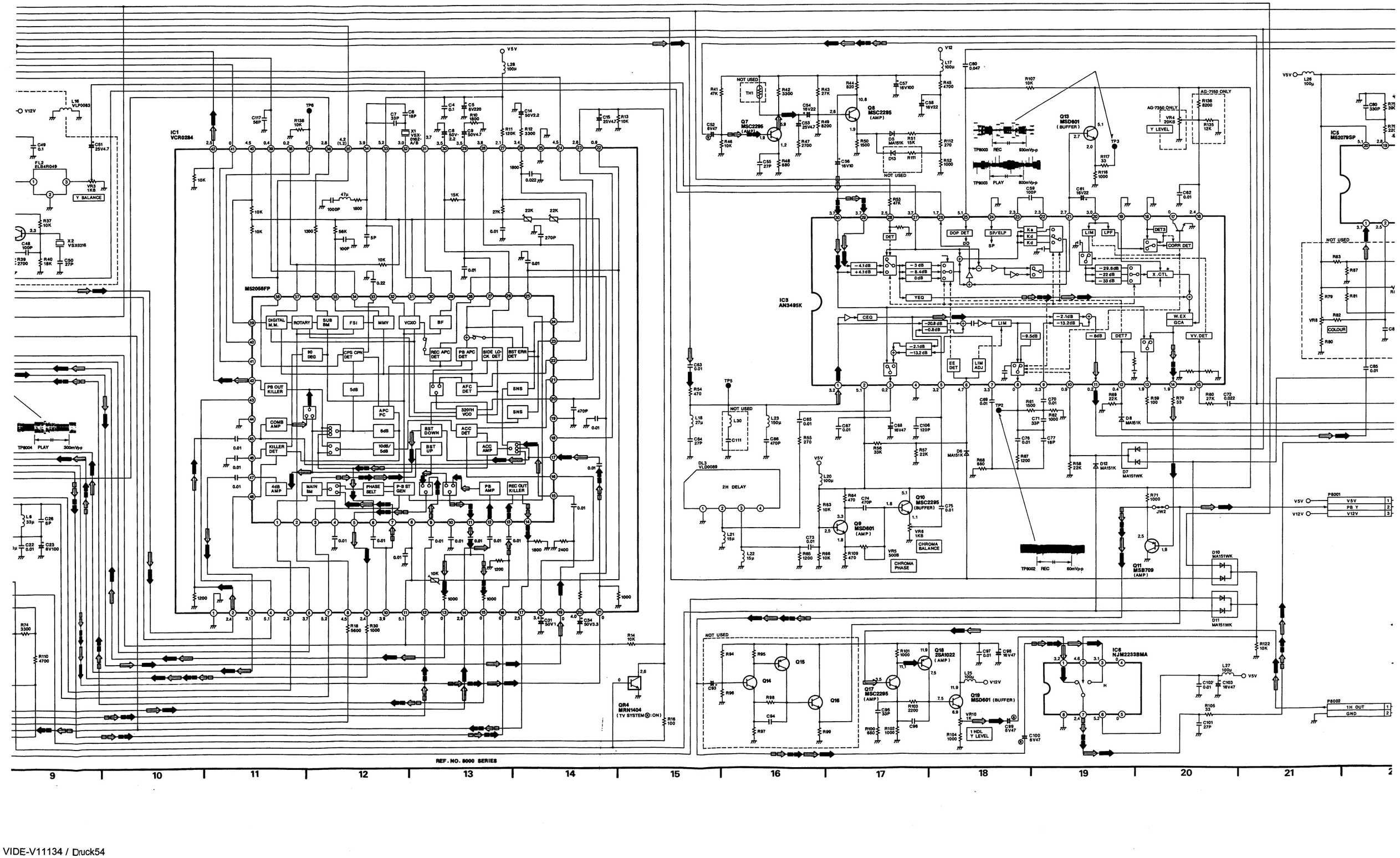
VIDEO (2) SCHEMATIC DIAGRAM

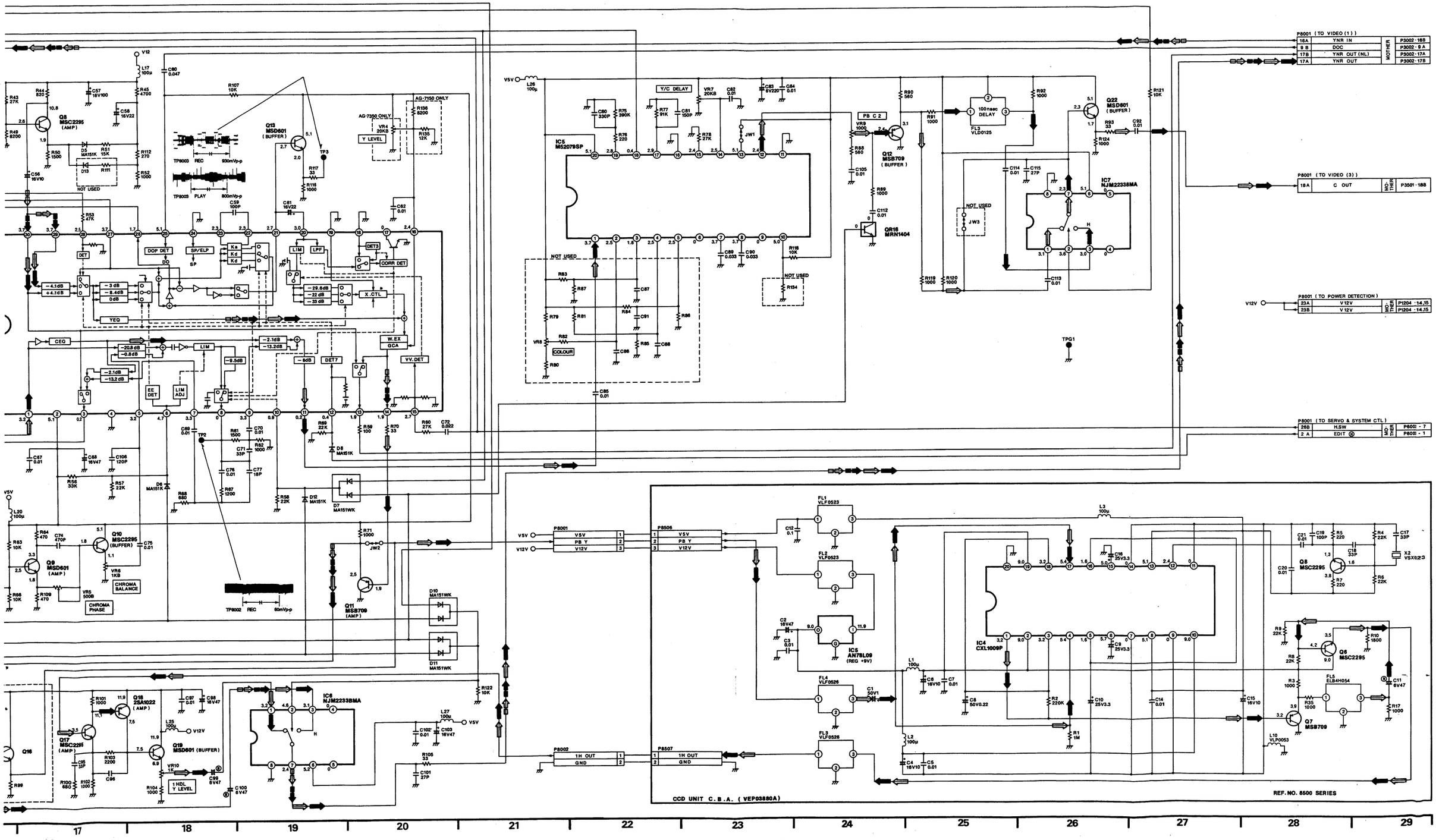
VIDEO MAIN SIGNAL PATH IN REC MODE (S-VHS) VIDEO MAIN SIGNAL PATH IN REC MODE (VHS) VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE (S-VHS) VIDEO MA



VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE (S-VHS)

⇦ VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE (VHS)




P8001 (TO VIDEO (1))
16A YNR IN
9 B DOC
17B YNR OUT (NL)
17A YNR OUT
MOTHER
P3002 - 16B
P3002 - 9 A
P3002 - 17A
P3002 - 17B
P8001 (TO VIDEO (3))
18A C OUT
MOTHER
P3501 - 18B
P8001 (TO POWER DETECTION)
V12V
23A V 12V
23B V 12V
MOTHER
P1204 - 14,15
P1204 - 14,15
P8001 (TO SERVO & SYSTEM CTL)
26B H.SW
2 A EDIT
MOTHER
P8001 - 7
P8001 - 1
Q8 MSC2295 (AMP)
Q13 MSD601 (BUFFER)
Q22 MSD601 (BUFFER)
Q12 MSB709 (BUFFER)
Q16 MRN1404
IC5 MS2079SP
IC7 NJM22338MA
100nsec DELAY
FL3 VLD0125
Y/C DELAY
PB C 2
NOT USED
JW1
JW3
Q10 MSC2295 (BUFFER)
Q9 MSD601 (AMP)
Q11 MSB709 (AMP)
CHROMA BALANCE
CHROMA PHASE
TP8003 REC 930mVp-p
TP8003 PLAY 800mVp-p
TP8002 REC 60mVp-p
AG-7350 ONLY
Y LEVEL
DET
DOP DET
SP/ELP
LIM
LPF
DET3
CORR DET
X.CTL
YEQ
CEO
W.EX
GCA
VV. DET
EE DET
LIM ADJ
DET7
Q17 MSC2295 (AMP)
Q18 2SA1022 (AMP)
Q19 MSD601 (BUFFER)
IC6 NJM2233BMA
1 HDL Y LEVEL
COLOUR
IC4 CXL1009P
IC5 AN78L09 (REG +9V)
Q7 MSB709
Q6 MSC2295
FL1 VLF0523
FL2 VLF0523
FL4 VLF0526
FL3 VLF0526
FL5 ELB41H054
L10 VLP0053
P8506
P8507
P8001
P8002
V5V
V12V
PB Y
1H OUT
GND
CCD UNIT C.B.A. (VEP03880A)
REF. NO. 8500 SERIES
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VIDEO (2) C.B.A. (VEP03878A: AG-7350/VEP03878B: AG-7150) AND CCD UNIT C.B.A. (VEP03880A)

VIDEO (2) C.B.A.	
Transistor	
Q3011	B-3
Q8001	B-2
Q8002	B-2
Q8003	B-1
Q8004	A-2
Q8005	A-4
Q8006	A-4
Q8007	A-3
Q8008	B-3
Q8009	B-3
Q8010	B-3
Q8012	B-4
Q8013	B-3
Q8014	A-5
Q8015	A-5
Q8016	A-5
Q8017	B-5
Q8018	B-6
Q8019	B-5
Q8020	A-1
Q8021	A-1
Q8022	B-5
Transistor & Resistor	
QR8001	B-2
QR8002	B-1
QR8003	B-1
QR8004	B-2
QR8005	A-2
QR8006	B-2
QR8007	B-2
QR8008	B-2
QR8009	B-1
QR8010	B-2
QR8011	A-2
QR8012	A-2
QR8013	A-2
QR8014	A-2
QR8015	A-2
QR8016	B-4
QR8017	A-1
QR8018	B-2
QR8019	B-1
Integrated Circuit	
IC8001	B-2
IC8002	A-1
IC8003	B-3
IC8004	A-4
IC8005	B-4
IC8006	A-5
IC8007	B-5
Test Point	
TP8001	B-2
TP8002	B-3
TP8003	B-3
TP8004	B-1
TP8005	B-3
TP8006	B-2
TPG8001	B-5
Adjustment	
C8025	B-2
VR8001	B-2
VR8003	B-3
VR8004	B-4
VR8005	B-3
VR8006	B-3
VR8007	B-4
VR8008	B-4
VR8009	B-4
VR8010	B-5
Connector	
P8001	A-5
P8002	B-5
P8003	A-3

ADDRESS INFORMATION
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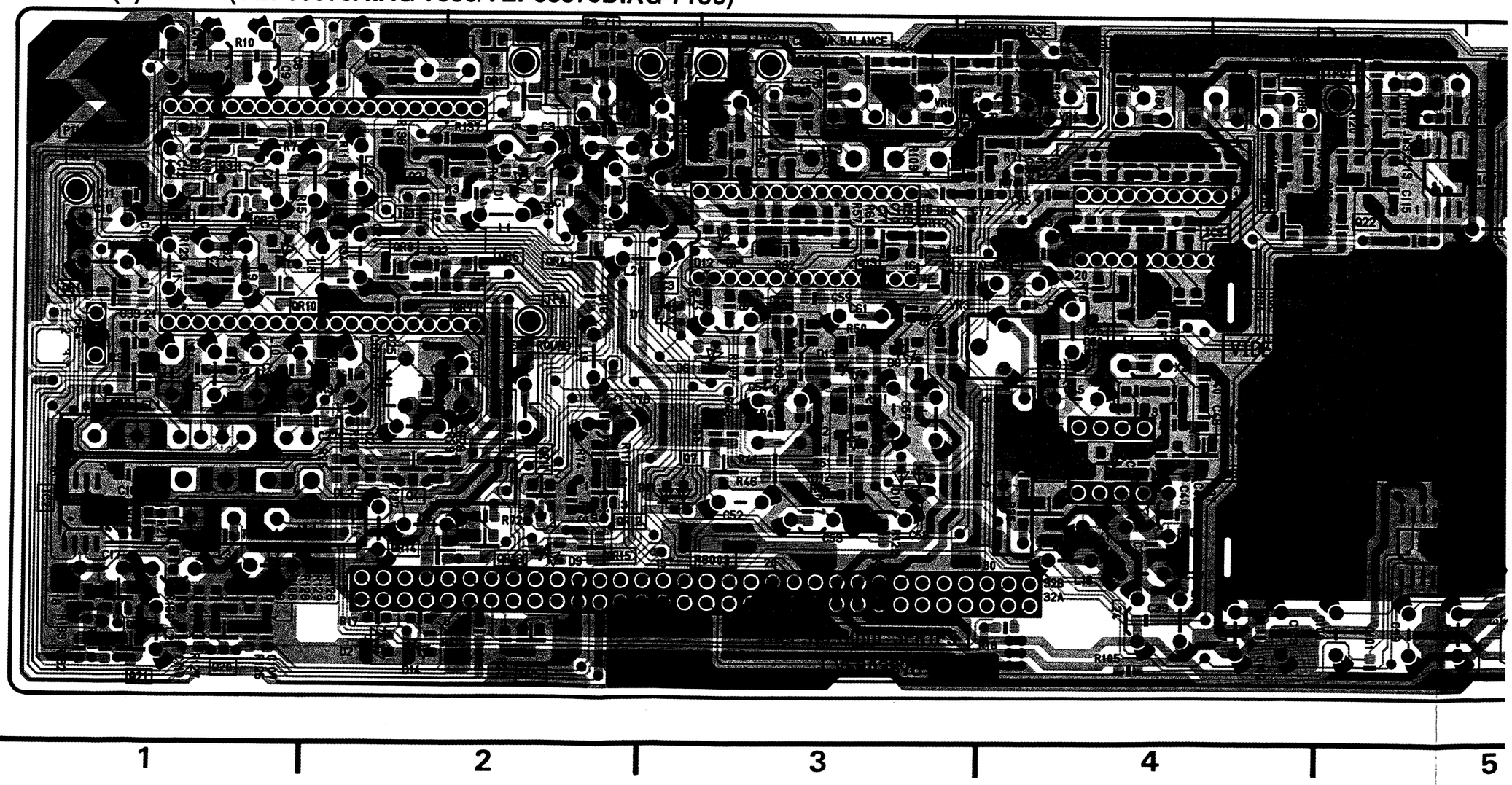
Ⓕ...FOIL SIDE

VIDEO (2) C.B.A. (VEP03878A:AG-7350/VEP03878B:AG-7150)



03878B: AG-7150) AND CCD UNIT C.B.A. (VEP03880A)

CCD UNIT	
Transistor	
Q8506	A-6
Q8507	B-6
Q8508	A-6
Integrated Circuit	
IC8504	A-6
IC8505	A-6
Connector	
P8507	B-6
P8506	A-6

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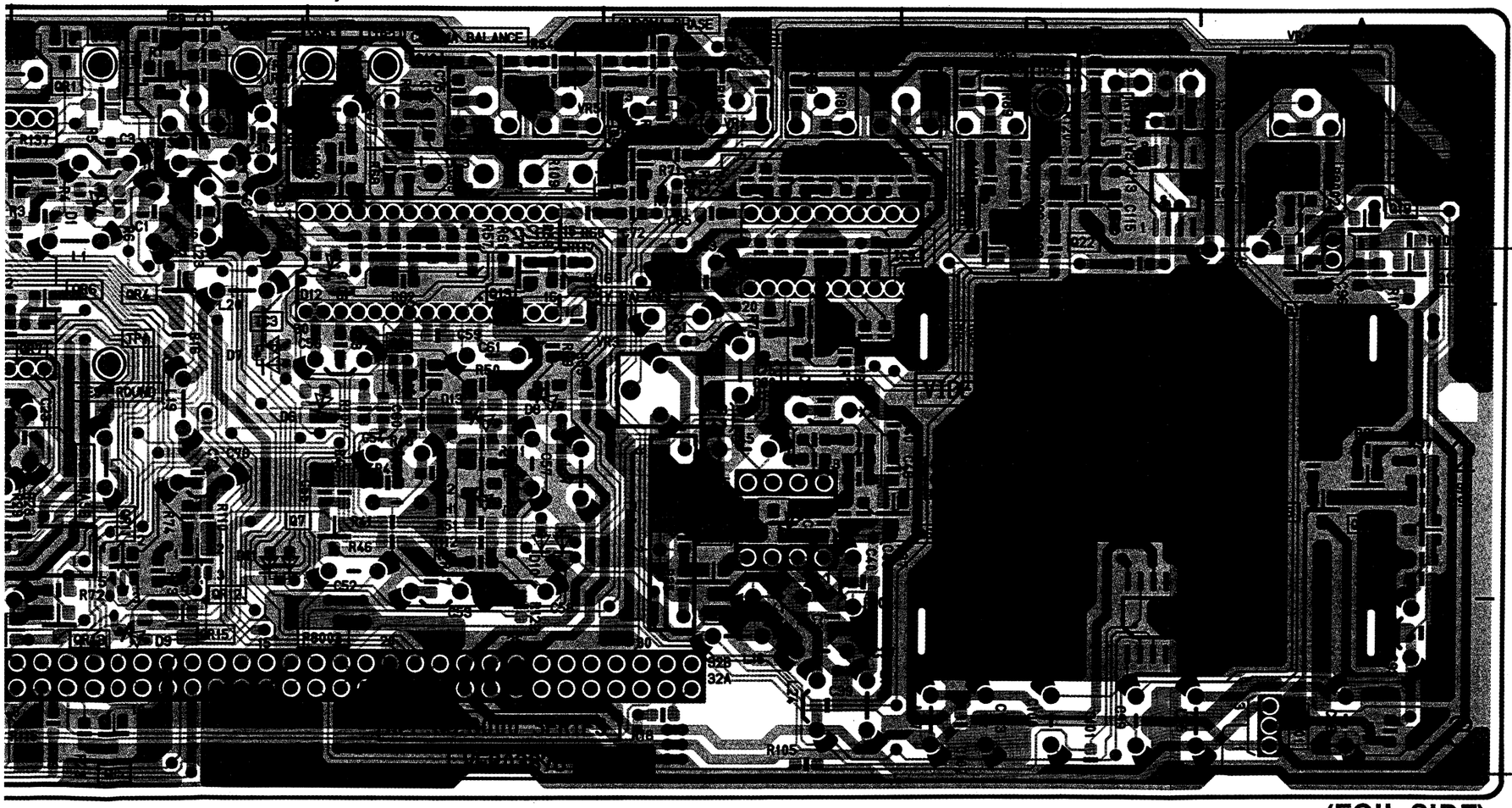
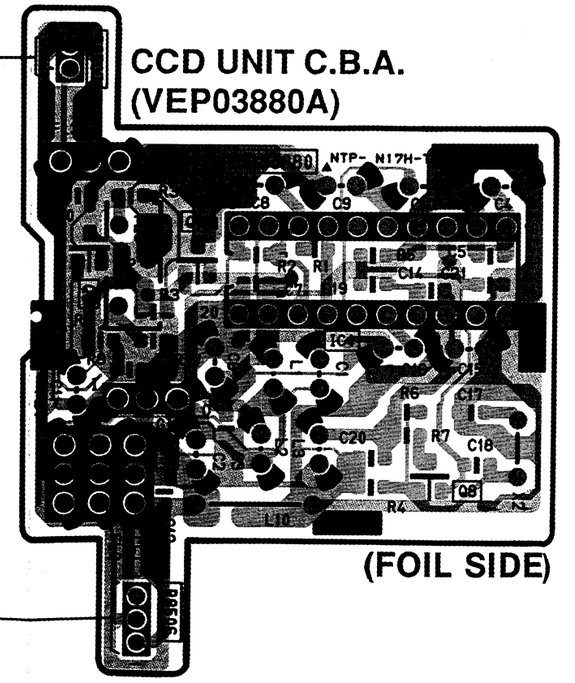
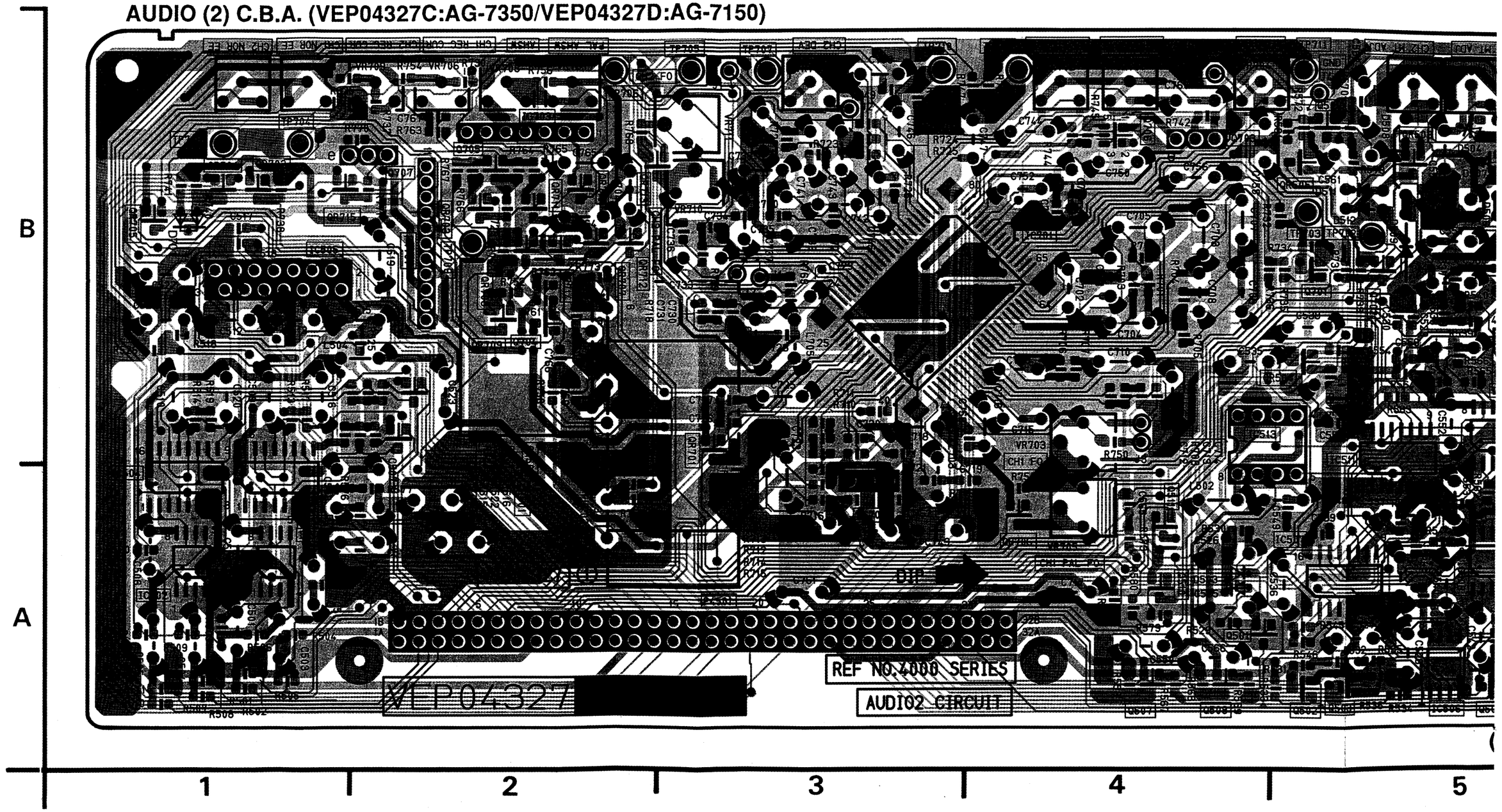
350/VEP03878B:AG-7150)





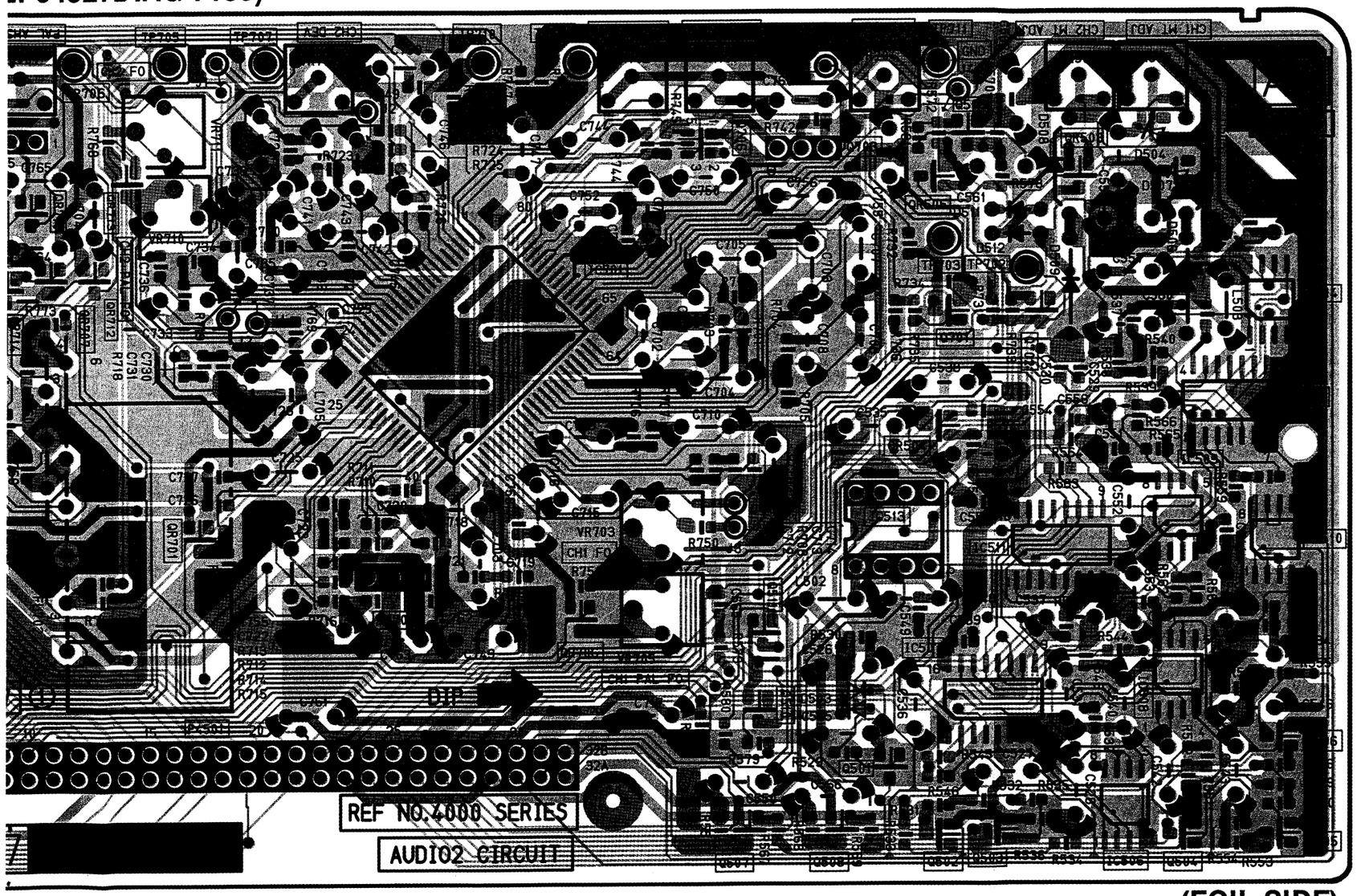
2 3 4 5 6

AUDIO (2) C.B.A. (VEP04327C: AG-7350/VEP04327D: AG-7150)



AG-7150)

EP04327D:AG-7150)



AUDIO (2) C.B.A.					
Transistor & Resistor			IC4506	A-5	Ⓕ
Q4501	A-4	Ⓕ	IC4507	A-5	Ⓕ
Q4502	A-5	Ⓕ	IC4508	A-5	Ⓕ
Q4503	A-5	Ⓕ	IC4509	B-5	Ⓕ
Q4504	A-5	Ⓕ	IC4510	B-5	Ⓕ
Q4505	A-5	Ⓕ	IC4511	B-5	Ⓕ
Q4506	A-5	Ⓕ	IC4512	B-5	Ⓕ
Q4507	A-4	Ⓕ	IC4513	B-4	Ⓕ
Q4508	A-4	Ⓕ	IC4514	B-5	Ⓕ
Q4509	B-5	Ⓕ	IC4701	B-4	Ⓕ
Q4510	A-4	Ⓕ	IC4702	A-3	Ⓕ
Q4511	A-4	Ⓕ	IC4703	B-2	Ⓕ
Q4701	B-5	Ⓕ	**Test Point**		
Q4702	B-5	Ⓕ	TP4701	B-4	Ⓕ
Q4703	B-4	Ⓕ	TP4702	B-5	Ⓕ
Q4704	B-2	Ⓕ	TP4703	B-5	Ⓕ
Q4705	B-2	Ⓕ	TP4704	B-1	Ⓕ
Q4706	B-4	Ⓕ	TP4705	B-3	Ⓕ
Q4707	B-2	Ⓕ	TP4706	B-2	Ⓕ
Transistor & Resistor			TP4707	B-3	Ⓕ
QR4501	A-2	Ⓕ	TP4708	B-1	Ⓕ
QR4502	A-2	Ⓕ	TP4709	B-2	Ⓕ
QR4503	B-5	Ⓕ	TP4710	B-3	Ⓕ
QR4504	B-5	Ⓕ	TP4711	B-5	Ⓕ
QR4505	B-5	Ⓕ	**Adjustment**		
QR4701	B-3	Ⓕ	VR4501	B-1	Ⓕ
QR4702	B-1	Ⓕ	VR4502	B-1	Ⓕ
QR4703	B-2	Ⓕ	VR4503	B-5	Ⓕ
QR4704	B-1	Ⓕ	VR4504	B-5	Ⓕ
QR4705	B-1	Ⓕ	VR4701	B-4	Ⓕ
QR4706	A-4	Ⓕ	VR4702	B-4	Ⓕ
QR4707	B-2	Ⓕ	VR4703	B-4	Ⓕ
QR4708	B-2	Ⓕ	VR4704	B-4	Ⓕ
QR4709	B-2	Ⓕ	VR4705	A-4	Ⓕ
QR4710	B-2	Ⓕ	VR4706	B-2	Ⓕ
QR4711	B-2	Ⓕ	VR4707	B-2	Ⓕ
QR4712	B-2	Ⓕ	VR4708	B-2	Ⓕ
QR4713	B-2	Ⓕ	VR4709	B-2	Ⓕ
QR4714	B-2	Ⓕ	VR4710	B-3	Ⓕ
QR4715	B-1	Ⓕ	VR4711	B-3	Ⓕ
Integrated Circuit			VR4712	B-3	Ⓕ
IC4501	A-1	Ⓕ	**Connector**		
IC4502	A-1	Ⓕ	P4501	A-3	Ⓕ
IC4503	A-1	Ⓕ	P4701	B-2	Ⓕ
IC4504	A-1	Ⓕ			
IC4505	B-1	Ⓕ			

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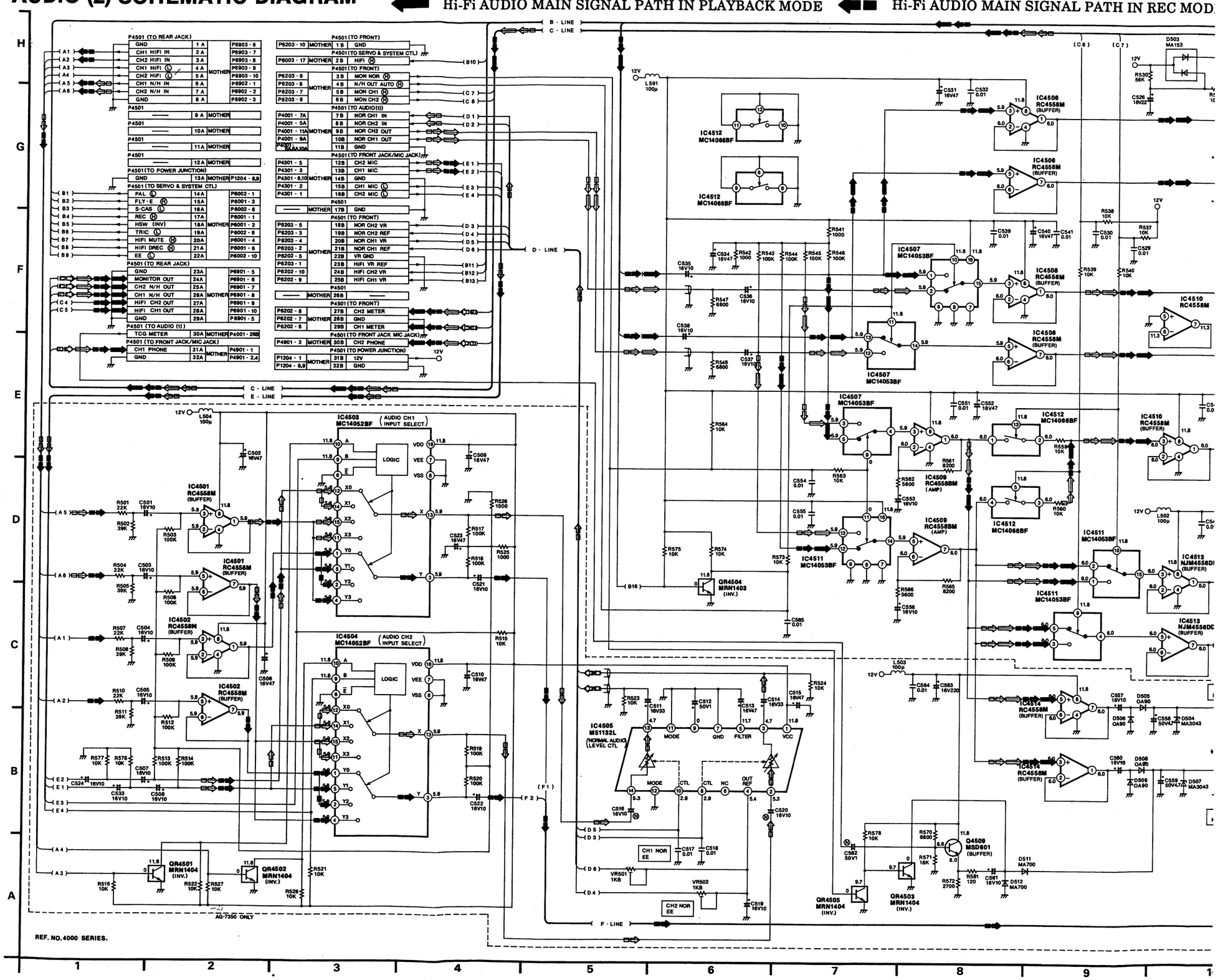
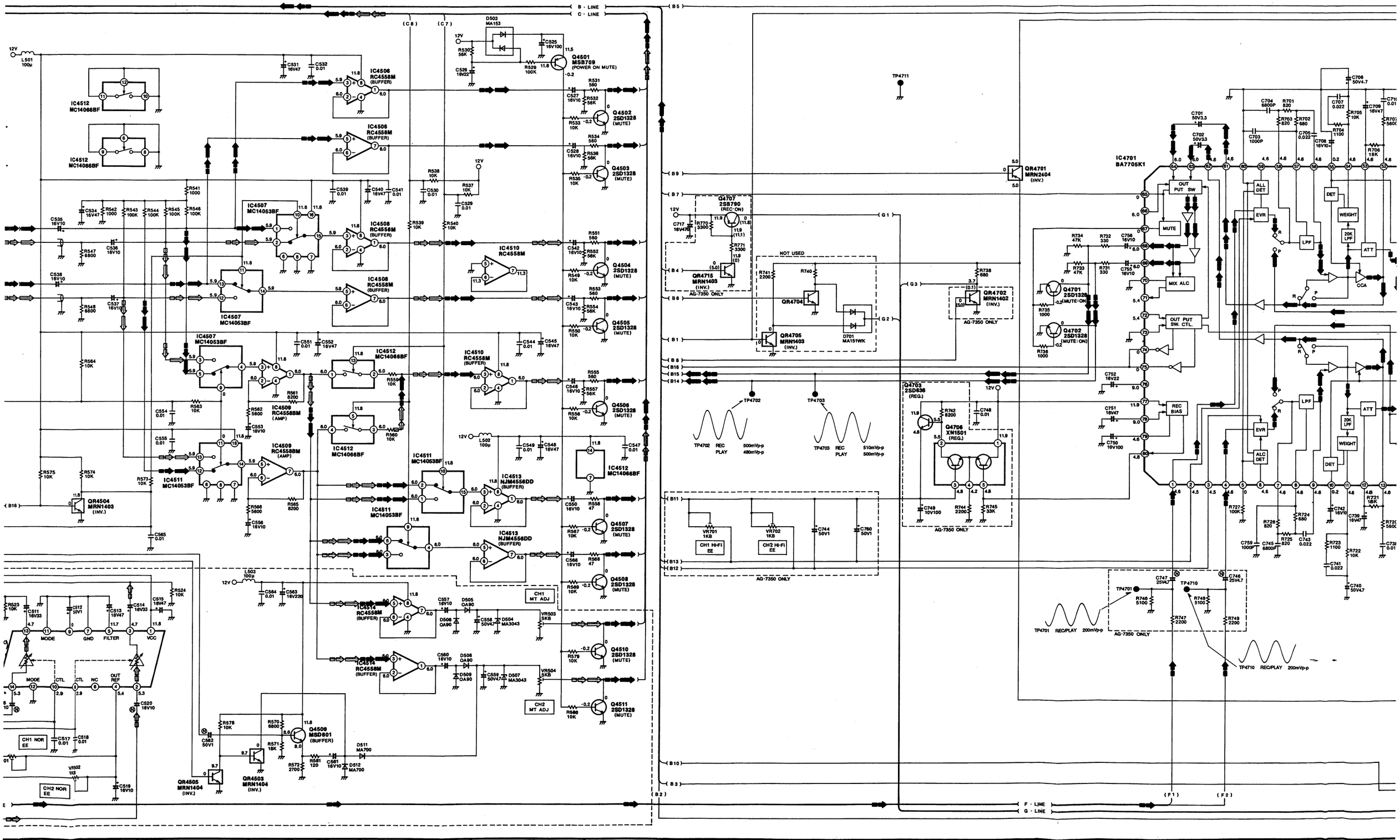
AUDIO (2) SCHEMATIC DIAGRAM

Hi-Fi AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE

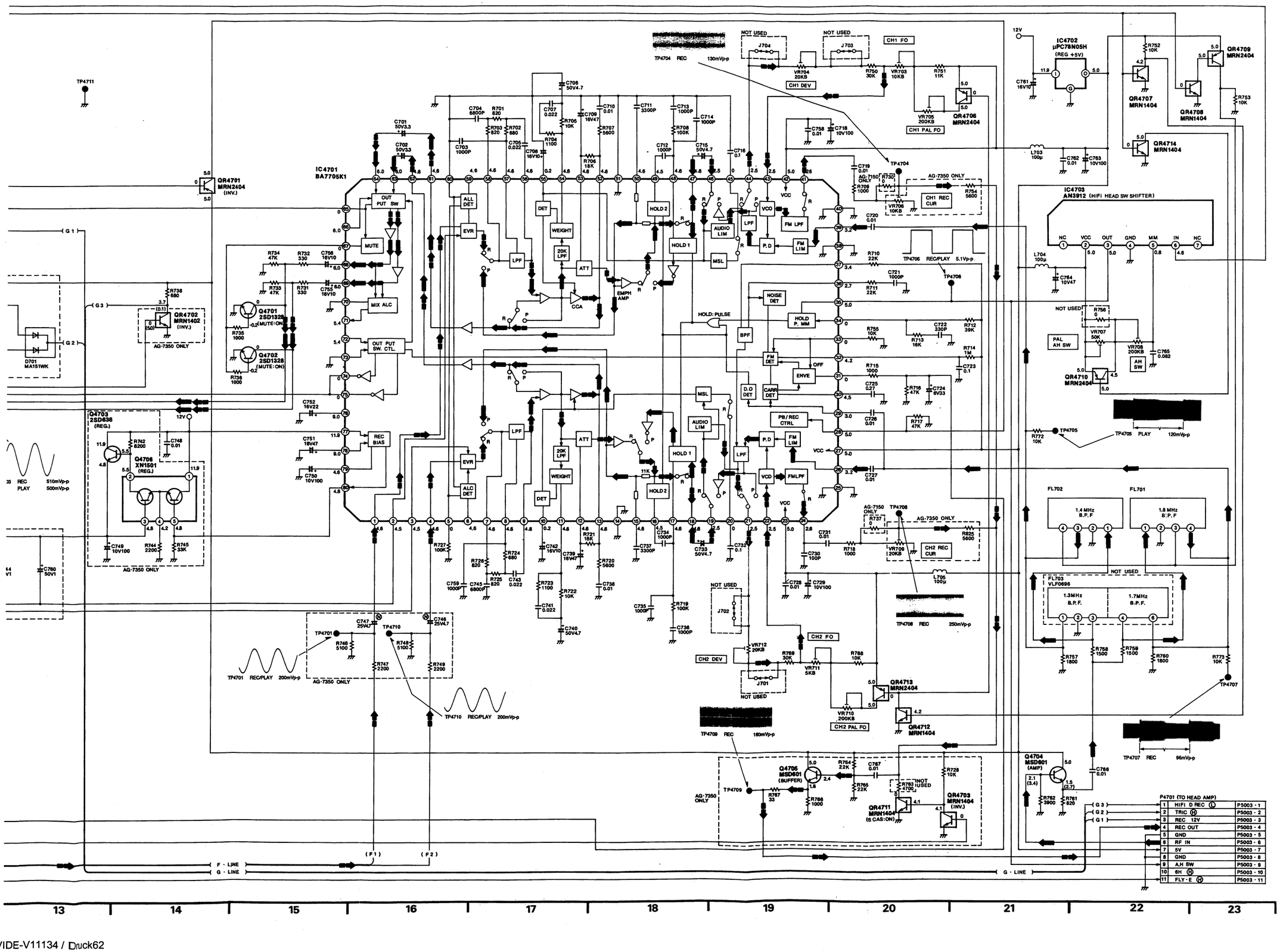
Hi-Fi AUDIO MAIN SIGNAL PATH IN REC MOD



, PATH IN PLAYBACK MODE ◀■■ Hi-Fi AUDIO MAIN SIGNAL PATH IN REC MODE ⇦ NORMAL AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE ⇦□ NORMAL AUDIO MAIN SIGNAL PATH IN REC MODE



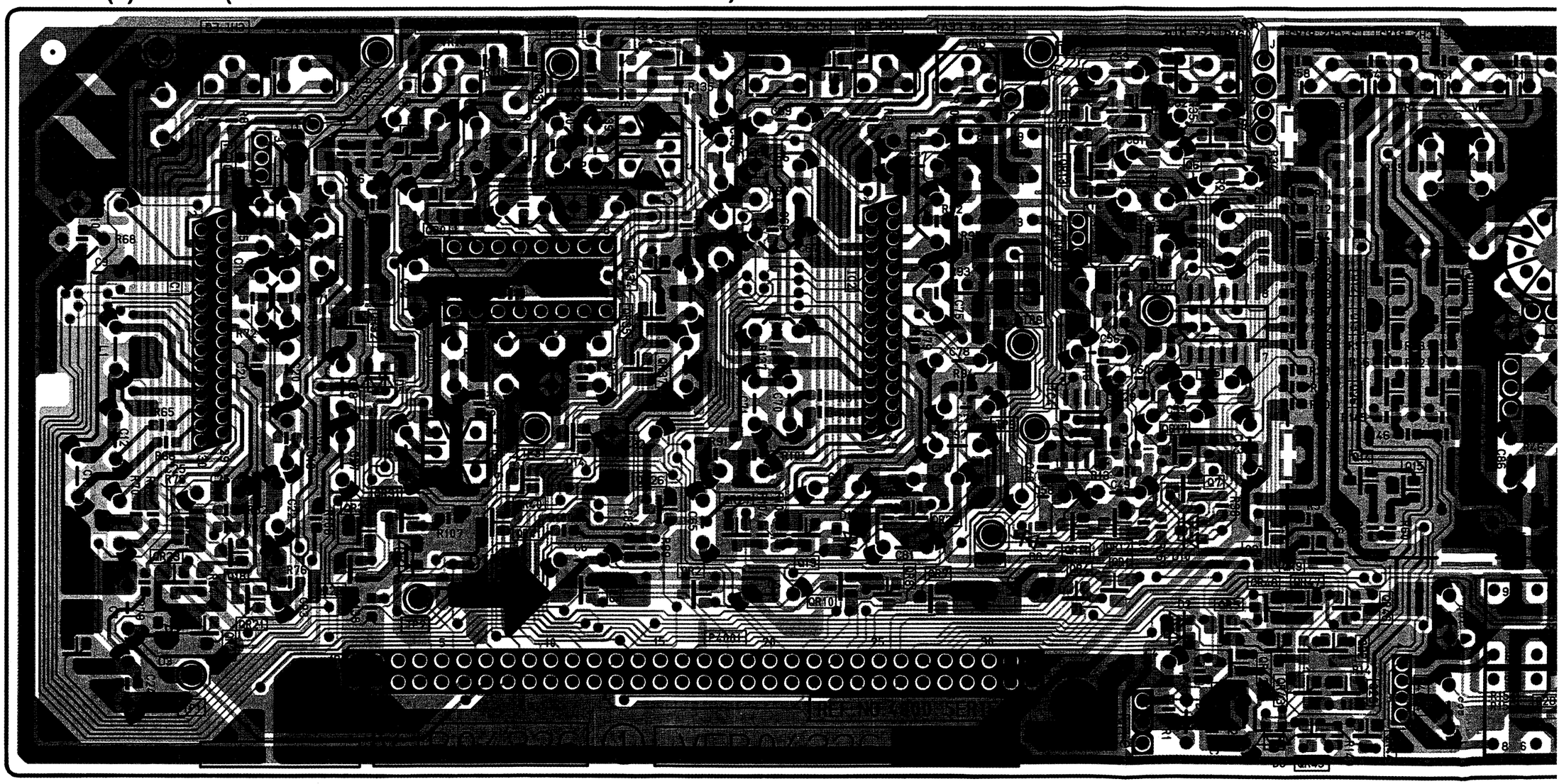
IN PLAYBACK MODE ⇦□ NORMAL AUDIO MAIN SIGNAL PATH IN REC MODE

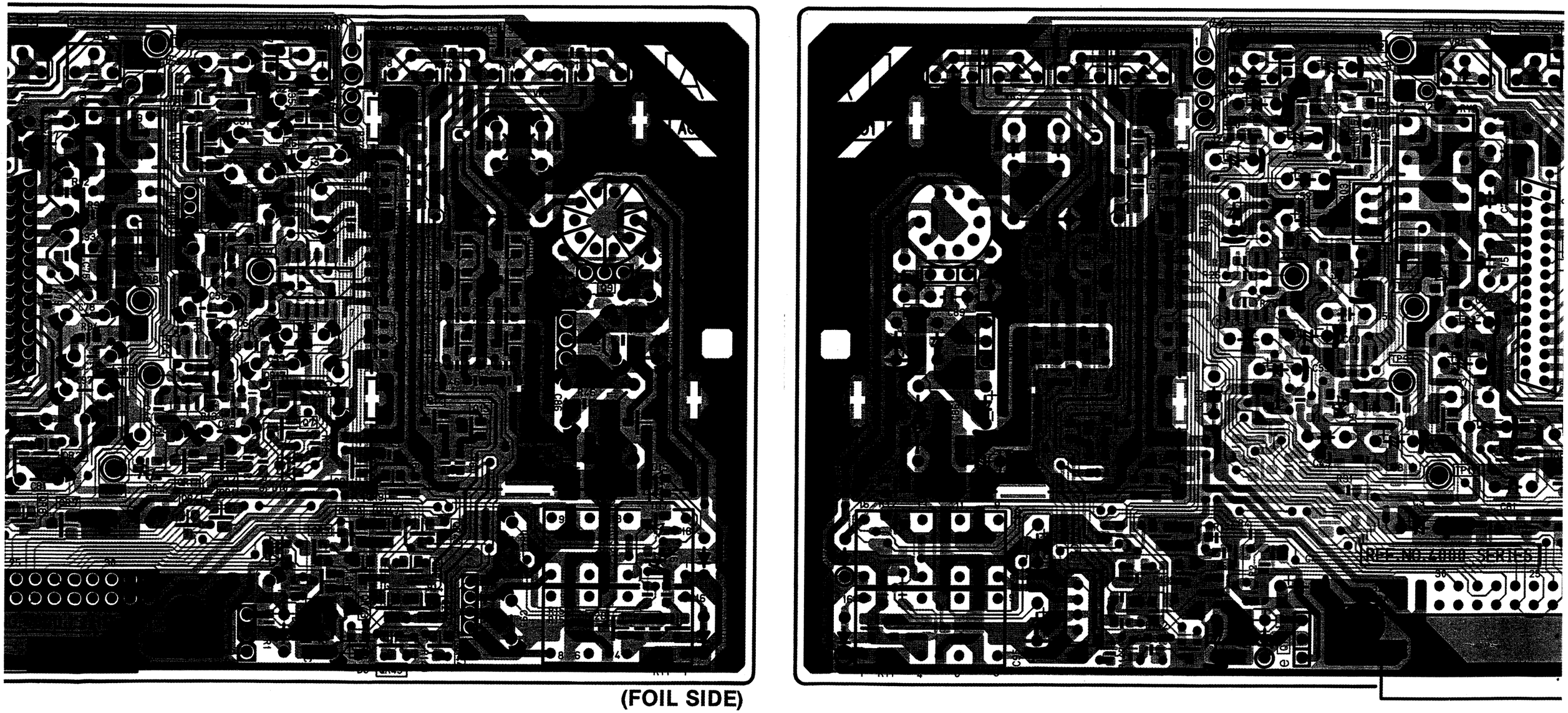


13 14 15 16 17 18 19 20 21 22 23

AUDIO (1) C.B.A. (VEP04326C: AG-7350/VEP04326D: AG-7150)

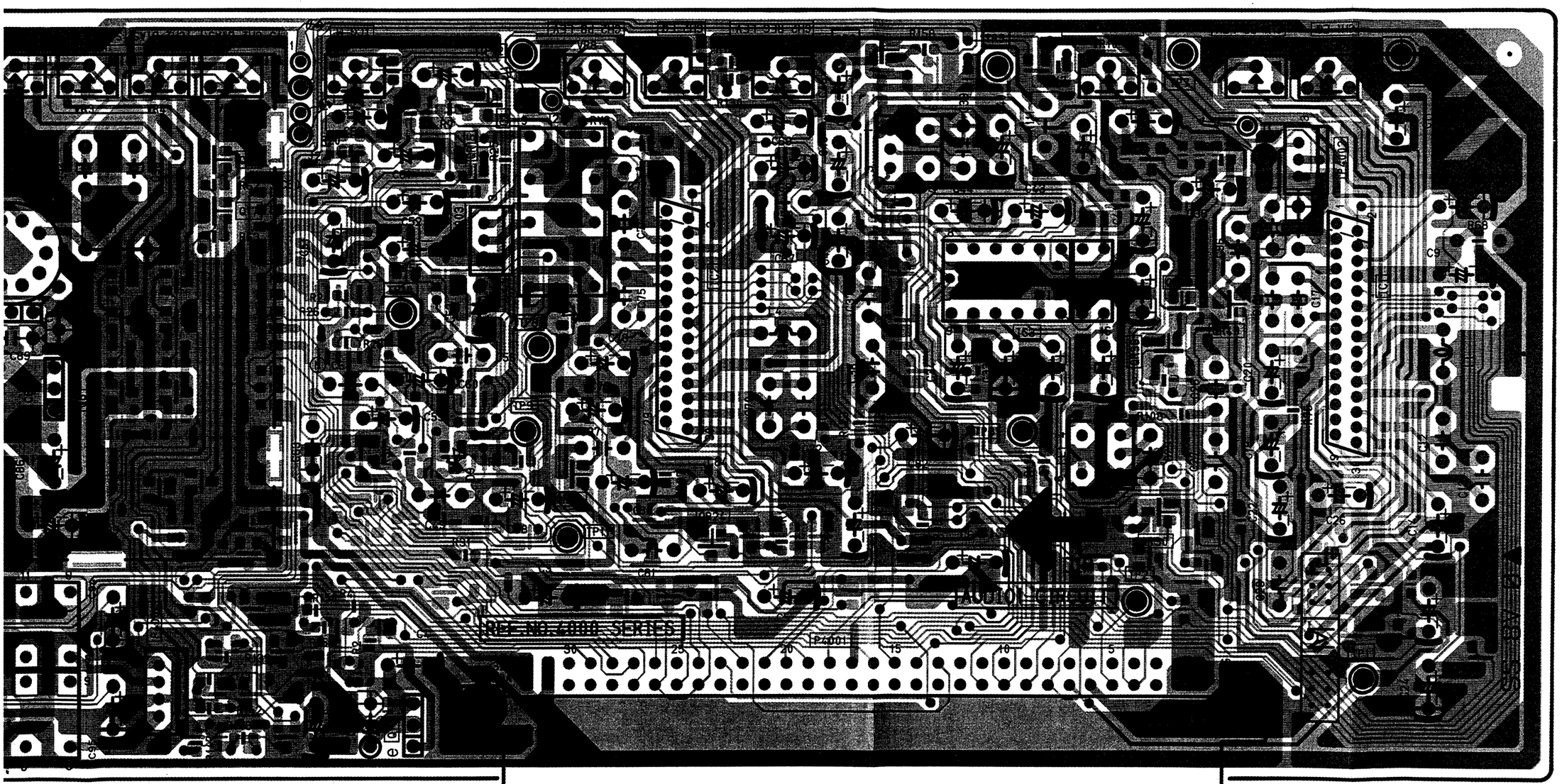
AUDIO (1) C.B.A. (VEP04326C:AG-7350/VEP04326D:AG-7150)





(FOIL SIDE)

4 5 6 7 8



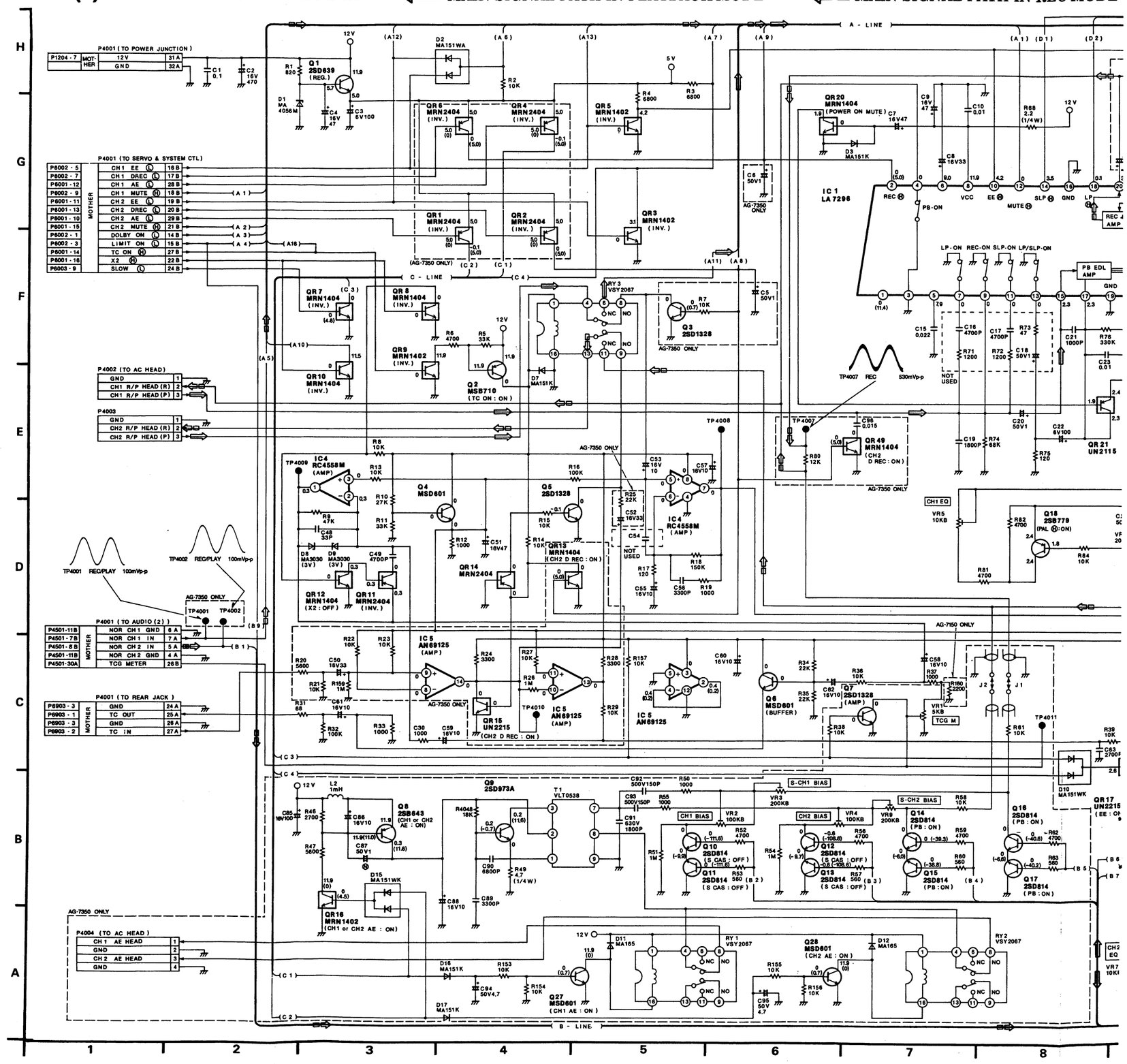
(COMPONENT SIDE)

7 8 9 10

AUDIO (1) SCHEMATIC DIAGRAM

⇦ MAIN SIGNAL PATH IN PLAYBACK MODE

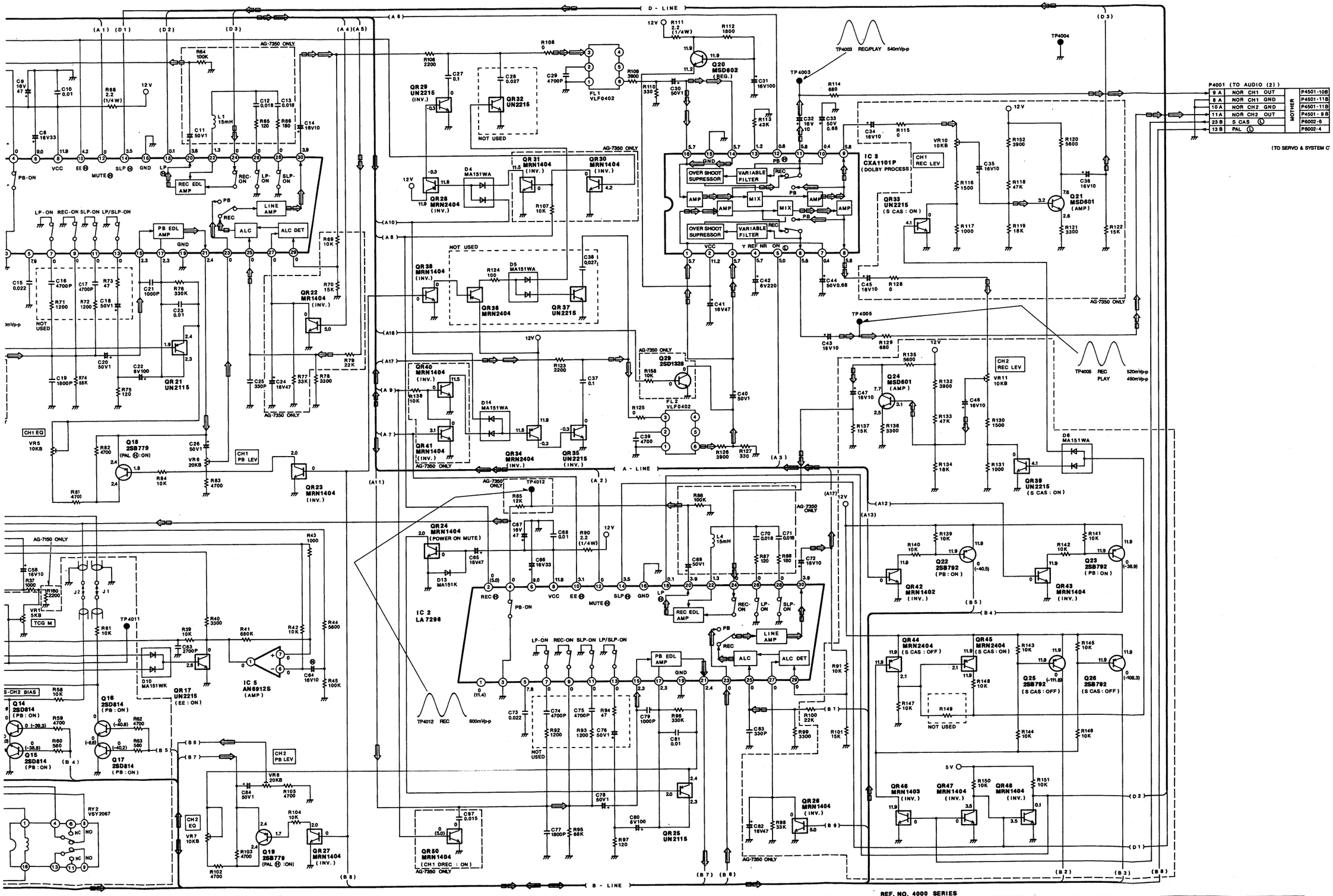
⇦□ MAIN SIGNAL PATH IN REC MODE



AUDIO (1) C.B.A.			
Transistor			
Q4001	A-8	©	
Q4001	A-4	Ⓕ	
Q4002	A-4	Ⓕ	
Q4003	B-8	©	
Q4004	B-4	Ⓕ	
Q4005	B-4	Ⓕ	
Q4006	B-4	Ⓕ	
Q4007	A-4	Ⓕ	
Q4008	B-7	©	
Q4008	B-5	Ⓕ	
Q4009	B-6	©	
Q4009	B-5	Ⓕ	
Q4010	B-5	Ⓕ	
Q4011	B-5	Ⓕ	
Q4012	B-5	Ⓕ	
Q4013	B-5	Ⓕ	
Q4014	B-5	Ⓕ	
Q4015	B-5	Ⓕ	
Q4016	B-7	©	
Q4017	B-7	©	
Q4018	A-1	Ⓕ	
Q4019	A-3	Ⓕ	
Q4020	B-2	Ⓕ	
Q4021	B-2	Ⓕ	
Q4022	A-5	Ⓕ	
Q4023	A-5	Ⓕ	
Q4024	B-3	Ⓕ	
Q4025	B-5	Ⓕ	
Q4026	B-5	Ⓕ	
Q4027	A-5	Ⓕ	
Q4028	A-5	Ⓕ	
Q4029	B-9	©	
Transistor & Resistor			
QR4001	A-4	Ⓕ	
QR4002	A-3	Ⓕ	
QR4003	A-4	Ⓕ	
QR4004	A-4	Ⓕ	
QR4005	A-4	Ⓕ	
QR4006	A-2	Ⓕ	
QR4007	A-3	Ⓕ	
QR4008	A-3	Ⓕ	
QR4009	A-4	Ⓕ	
QR4010	A-3	Ⓕ	
QR4011	A-4	Ⓕ	
QR4012	A-4	Ⓕ	
QR4013	B-4	Ⓕ	
QR4014	B-4	Ⓕ	
QR4015	B-8	©	
QR4016	B-5	Ⓕ	
QR4017	B-4	Ⓕ	
QR4020	A-1	Ⓕ	
QR4021	A-1	Ⓕ	
QR4022	A-1	Ⓕ	
QR4023	A-1	Ⓕ	
QR4024	A-8	©	
QR4025	A-3	Ⓕ	
QR4026	A-3	Ⓕ	
QR4027	A-3	Ⓕ	
QR4028	A-2	Ⓕ	
QR4029	A-2	Ⓕ	
QR4030	A-10	©	
QR4031	A-2	Ⓕ	
QR4032	B-2	Ⓕ	
QR4033	B-2	Ⓕ	
QR4034	B-2	Ⓕ	
QR4035	B-2	Ⓕ	
QR4036	B-10	©	
QR4037	B-3	Ⓕ	
QR4038	B-10	©	
QR4039	B-3	Ⓕ	
QR4040	A-2	Ⓕ	
QR4041	A-2	Ⓕ	
QR4042	A-4	Ⓕ	
QR4043	A-4	Ⓕ	
QR4044	A-5	Ⓕ	
QR4045	A-4	Ⓕ	
QR4046	A-5	Ⓕ	
QR4047	A-4	Ⓕ	
QR4048	A-4	Ⓕ	
QR4049	B-10	©	
QR4050	A-8	©	
Integrated Circuit			
IC4001	B-10	©	
IC4001	B-1	Ⓕ	
IC4002	B-8	©	
IC4002	B-3	Ⓕ	
IC4003	B-9	©	
IC4003	B-2	Ⓕ	
IC4004	B-4	Ⓕ	
IC4005	B-4	Ⓕ	
Test Point			
TP4001	A-10	©	
TP4001	A-1	Ⓕ	
TP4002	A-10	©	
TP4002	A-2	Ⓕ	
TP4003	B-9	©	
TP4003	B-2	Ⓕ	
TP4004	B-10	©	
TP4004	B-1	Ⓕ	
TP4005	B-9	©	
TP4005	B-2	Ⓕ	
TP4007	B-10	©	
TP4007	B-2	Ⓕ	
TP4008	B-8	©	
TP4008	B-4	Ⓕ	
TP4009	B-8	©	
TP4009	B-4	Ⓕ	
TP4010	B-7	©	
TP4010	B-4	Ⓕ	
TP4011	A-8	©	
TP4011	A-4	Ⓕ	
TP4012	B-8	©	
TP4012	B-4	Ⓕ	
Adjustment			
VR4001	B-7	©	
VR4001	B-4	Ⓕ	
VR4002	B-6	©	
VR4002	B-5	Ⓕ	
VR4003	B-7	©	
VR4003	B-5	Ⓕ	
VR4004	B-7	©	
VR4004	B-5	Ⓕ	
VR4005	B-10	©	
VR4005	B-1	Ⓕ	
VR4006	B-10	©	
VR4006	B-2	Ⓕ	
VR4007	B-8	©	
VR4007	B-3	Ⓕ	
VR4008	B-8	©	
VR4008	B-3	Ⓕ	
VR4009	B-7	©	
VR4009	B-5	Ⓕ	
VR4010	B-10	©	
VR4010	B-2	Ⓕ	
VR4011	B-9	©	
VR4011	B-3	Ⓕ	
Connector			
P4001	A-9	©	
P4001	A-3	Ⓕ	
P4002	B-10	©	
P4002	B-1	Ⓕ	
P4003	B-8	©	
P4003	B-4	Ⓕ	
P4004	A-7	©	
P4004	A-5	Ⓕ	

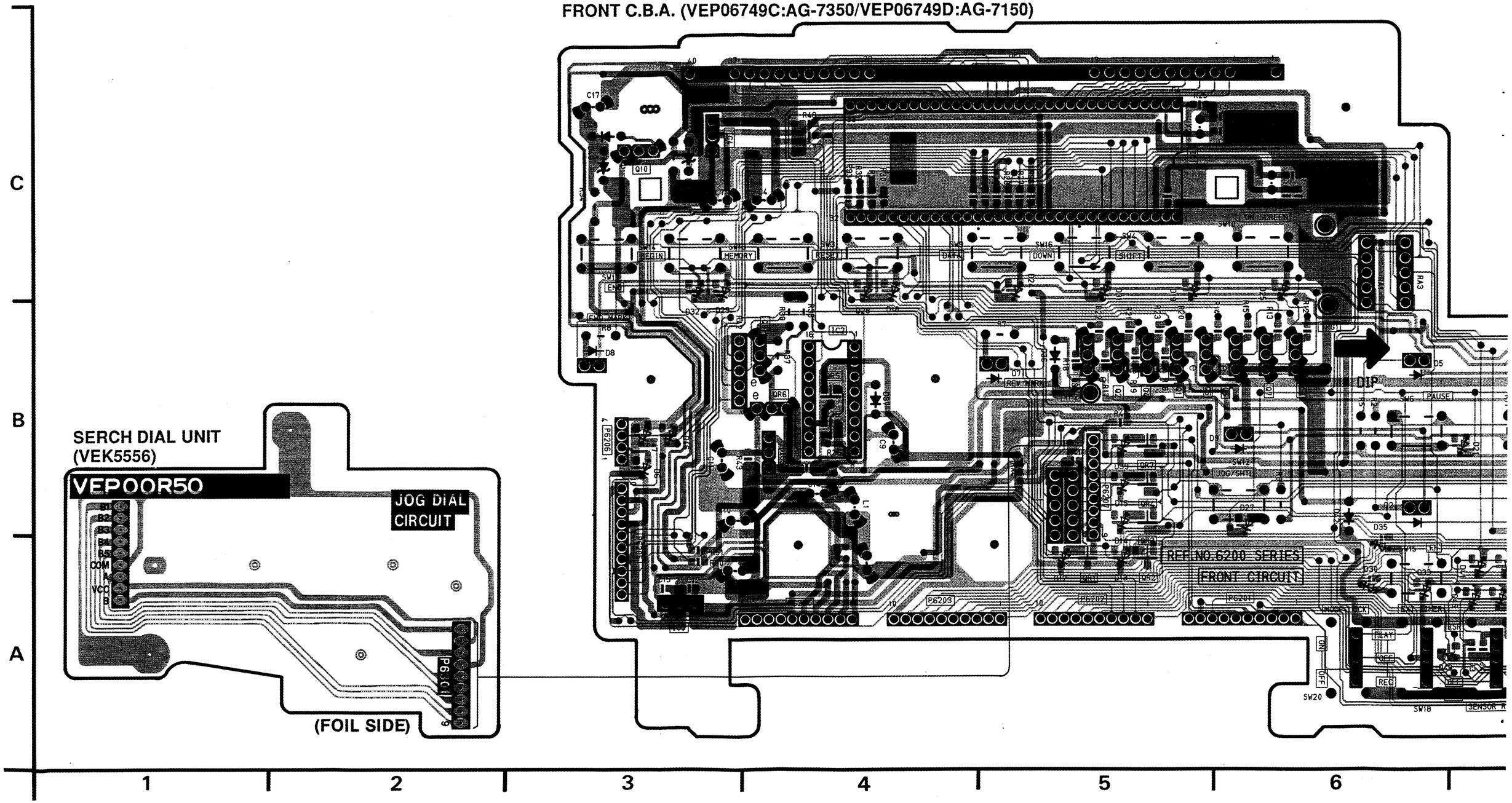
ADDRESS INFORMATION
©...COMPONENT SIDE
Ⓕ...FOIL SIDE

SIGNAL PATH IN REC MODE

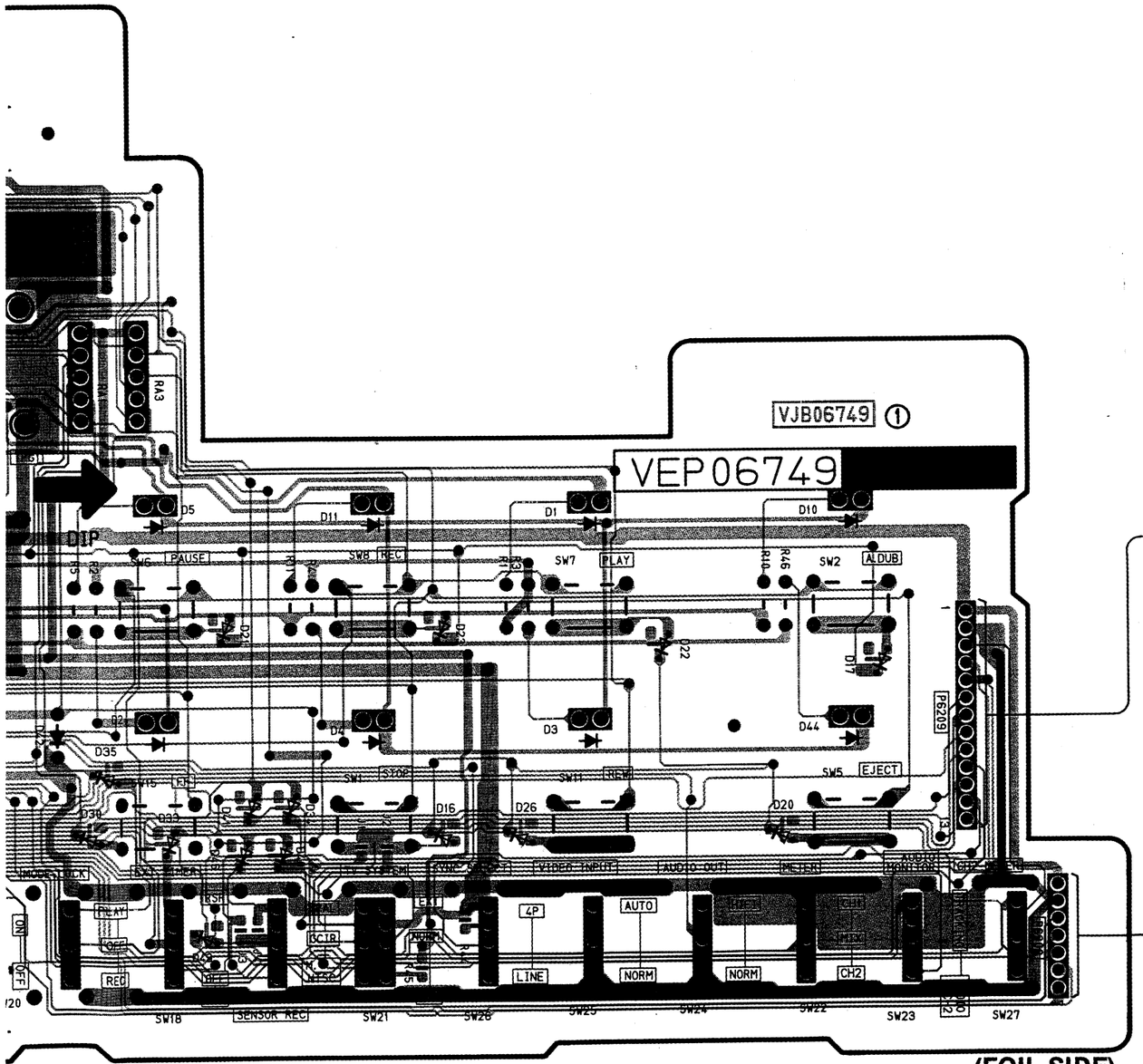


FRONT C.B.A. (VEP06749C: AG-7350/VEP06749D: AG-7150), AUDIO METER C.B.A. (VEP04328A: AG-7350 ONLY), FRONT JACK C.B.A. (VEP04342A) AI

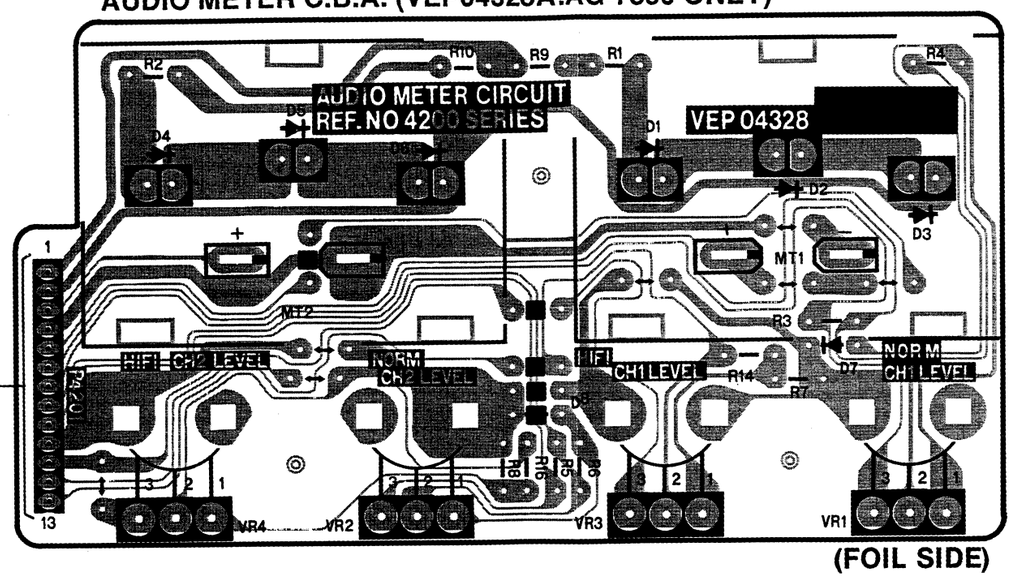
FRONT C.B.A. (VEP06749C:AG-7350/VEP06749D:AG-7150)



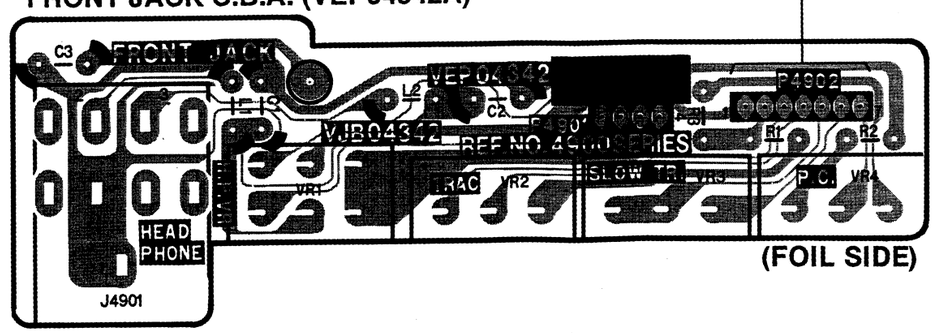
3.A. (VEP04342A) AND SEARCH DIAL UNIT (VEK5556)



AUDIO METER C.B.A. (VEP04328A:AG-7350 ONLY)



FRONT JACK C.B.A. (VEP04342A)



6 7 8 9 10 11 12

FRONT SCHEMATIC DIAGRAM

Hi-Fi AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE

NORMAL AUDIO MAIN SIGNAL PATH IN P

FRONT C.B.A.	
Transistor	
Q6201	B-5 Ⓕ
Q6202	B-5 Ⓕ
Q6203	B-5 Ⓕ
Q6204	B-5 Ⓕ
Q6205	B-6 Ⓕ
Q6206	B-5 Ⓕ
Q6207	B-6 Ⓕ
Q6208	B-6 Ⓕ
Q6209	B-4 Ⓕ
Q6210	C-3 Ⓕ
Transistor & Resistor	
QR6201	A-5 Ⓕ
QR6202	A-5 Ⓕ
QR6203	A-5 Ⓕ
QR6204	A-5 Ⓕ
QR6205	B-4 Ⓕ
QR6206	B-4 Ⓕ
QR6207	B-5 Ⓕ
Integrated Circuit	
IC6201	C-5 Ⓕ
IC6202	B-4 Ⓕ
IC6203	B-4 Ⓕ
IC6204	C-3 Ⓕ
IC6205	A-3 Ⓕ
Test Point	
TP6201	C-6 Ⓕ
TP6202	B-5 Ⓕ
TPG6201	B-6 Ⓕ
Connector	
P6201	A-6 Ⓕ
P6202	A-5 Ⓕ
P6203	A-4 Ⓕ
P6204	A-4 Ⓕ
P6205	A-3 Ⓕ
P6206	B-3 Ⓕ
P6207	A-5 Ⓕ
P6208	B-9 Ⓕ
P6209	B-9 Ⓕ
P6301	A-2 Ⓕ

ADDRESS INFORMATION
Ⓒ...COMPONENT SIDE
Ⓕ...FOIL SIDE

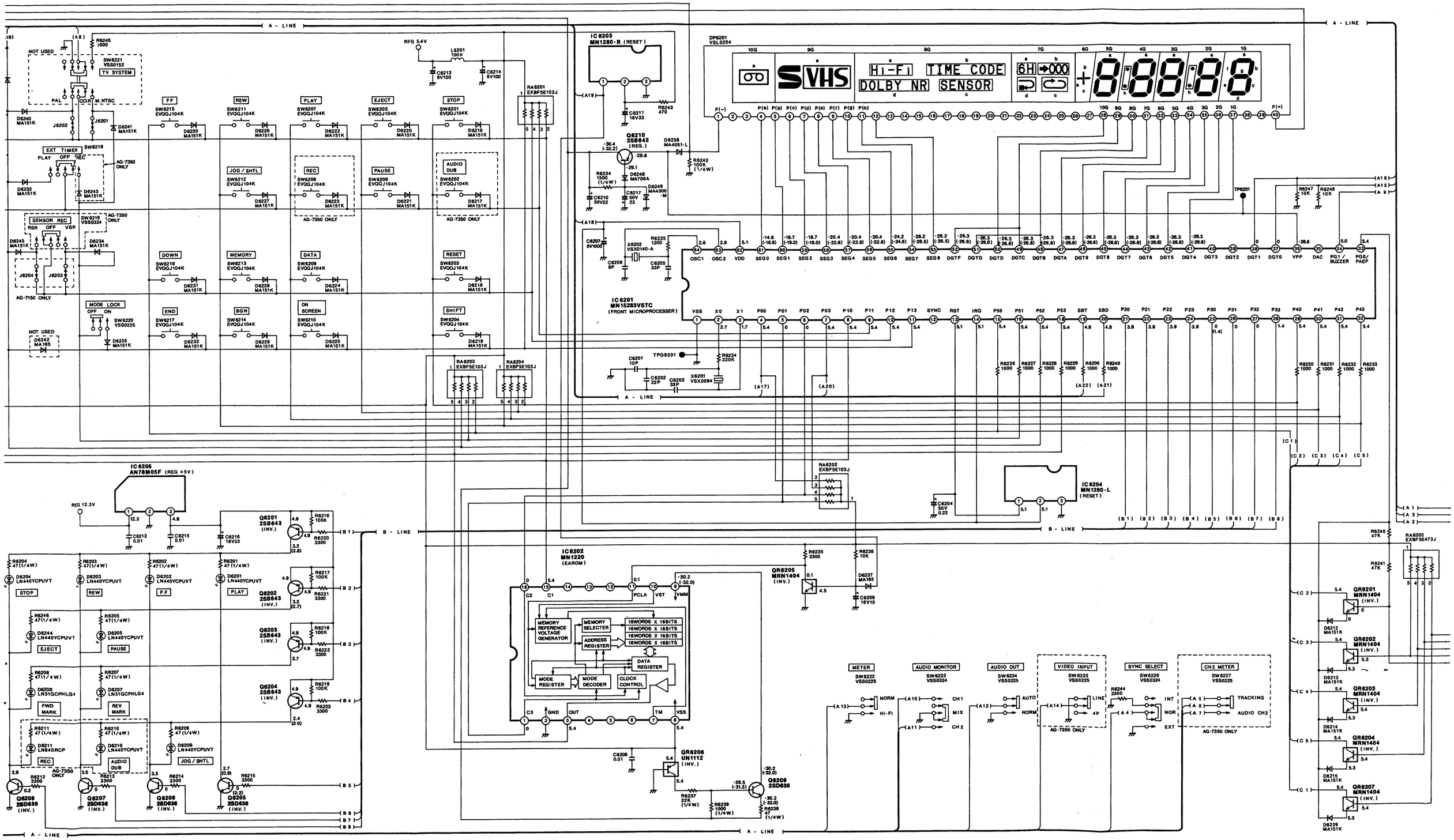
AUDIO METER C.B.A.	
Adjustment	
VR4201	B-12 Ⓕ
VR4202	B-10 Ⓕ
VR4203	B-11 Ⓕ
VR4204	B-10 Ⓕ
Connector	
P4201	B-10 Ⓕ

ADDRESS INFORMATION
Ⓒ...COMPONENT SIDE
Ⓕ...FOIL SIDE

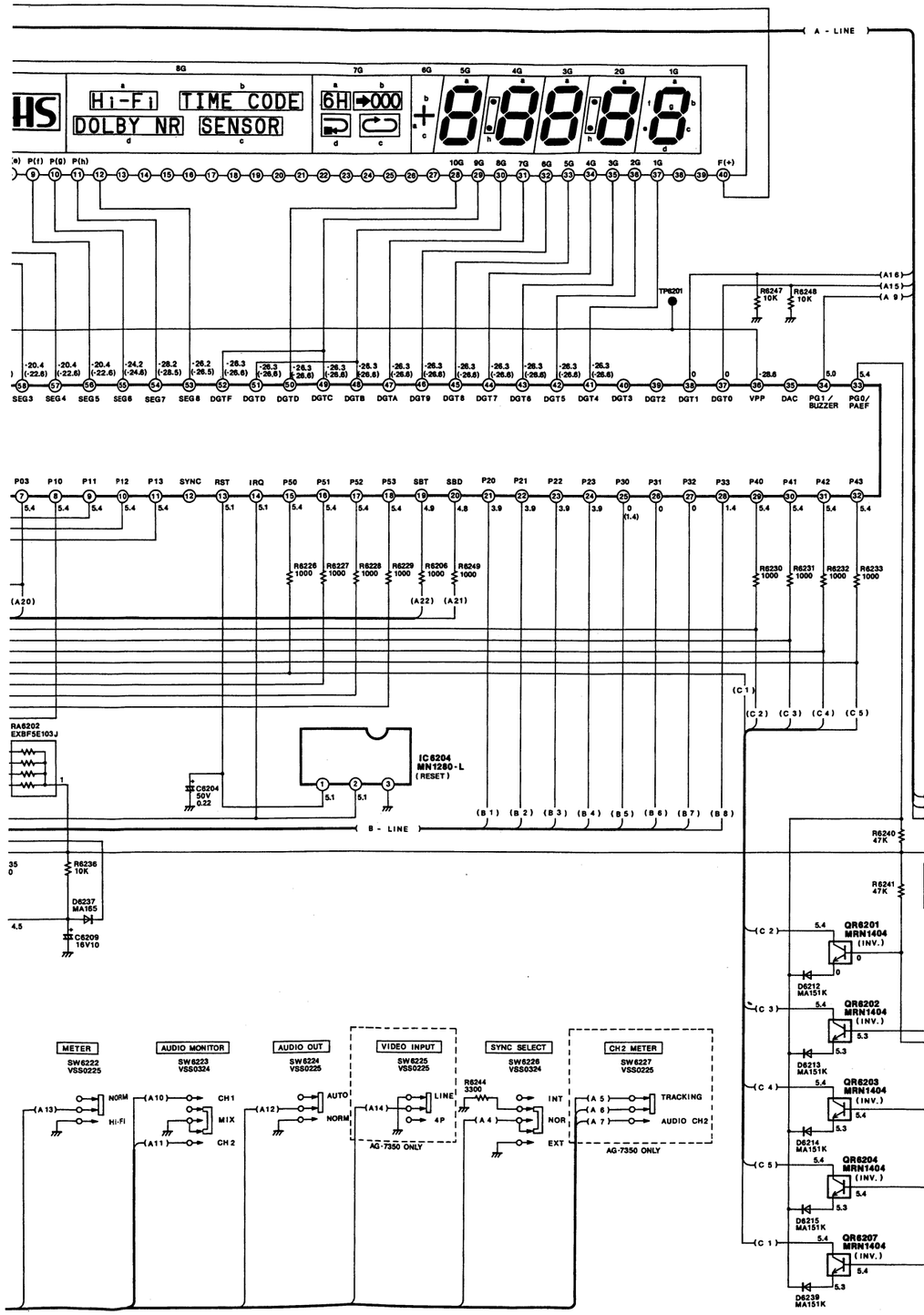
FRONT JACK C.B.A.	
Adjustment	
VR4901	A-10 Ⓕ
VR4902	A-11 Ⓕ
VR4903	A-11 Ⓕ
VR4904	A-12 Ⓕ
Connector	
P4901	A-11 Ⓕ
P4902	A-12 Ⓕ

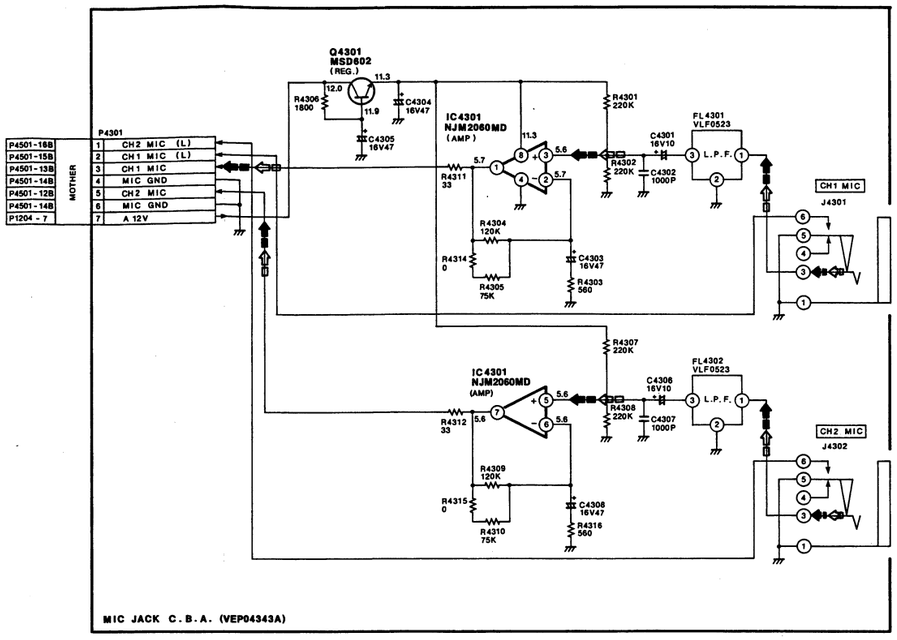
ADDRESS INFORMATION
Ⓒ...COMPONENT SIDE
Ⓕ...FOIL SIDE

N PLAYBACK MODE ⇦ NORMAL AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE ⬅■ Hi-Fi AUDIO MAIN SIGNAL PATH IN REC MODE ⇦□ NORMAL AUDIO MAIN SIGNAL PATH IN REC MODE



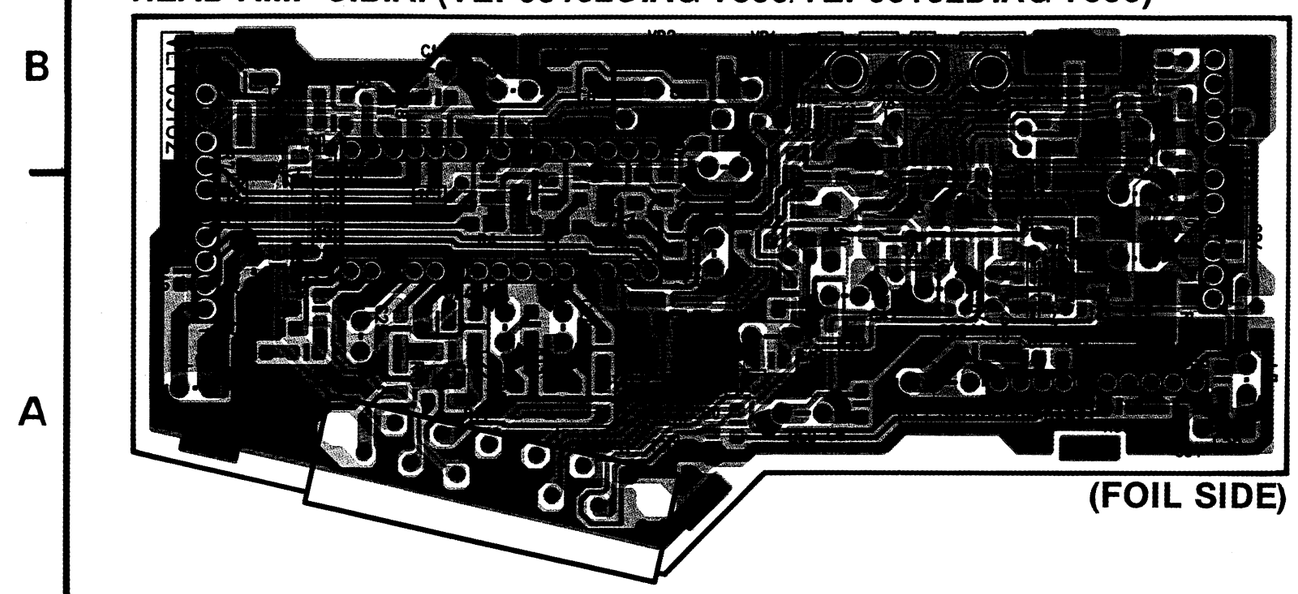
N SIGNAL PATH IN REC MODE ⇦□ NORMAL AUDIO MAIN SIGNAL PATH IN REC MODE

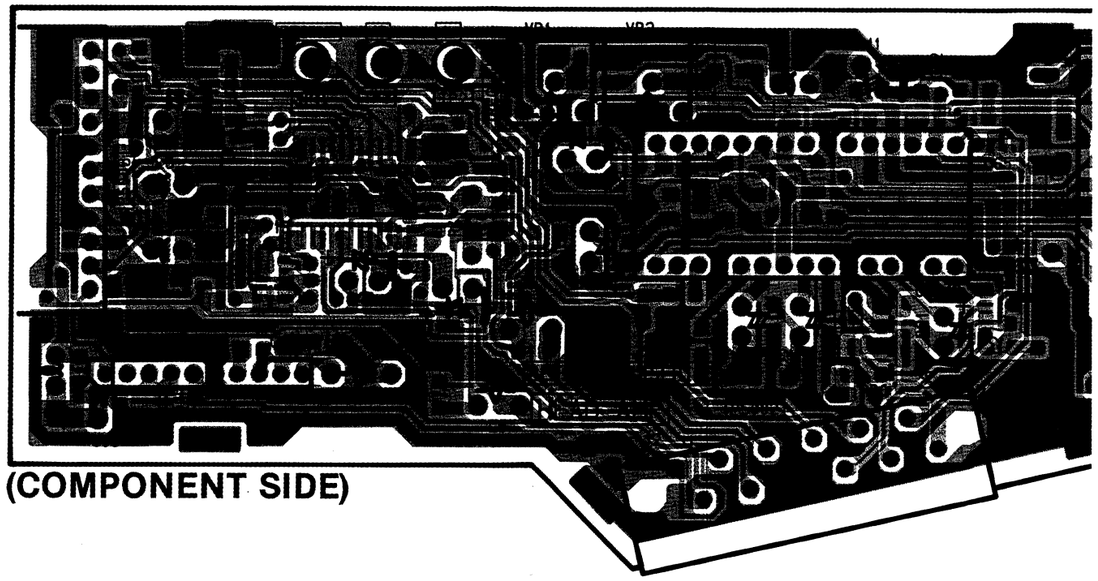




HEAD AMP C.B.A. (VEP05162C: AG-7350/VEP05162D: AG-7150)

HEAD AMP C.B.A. (VEP05162C:AG-7350/VEP05162D:AG-7350)

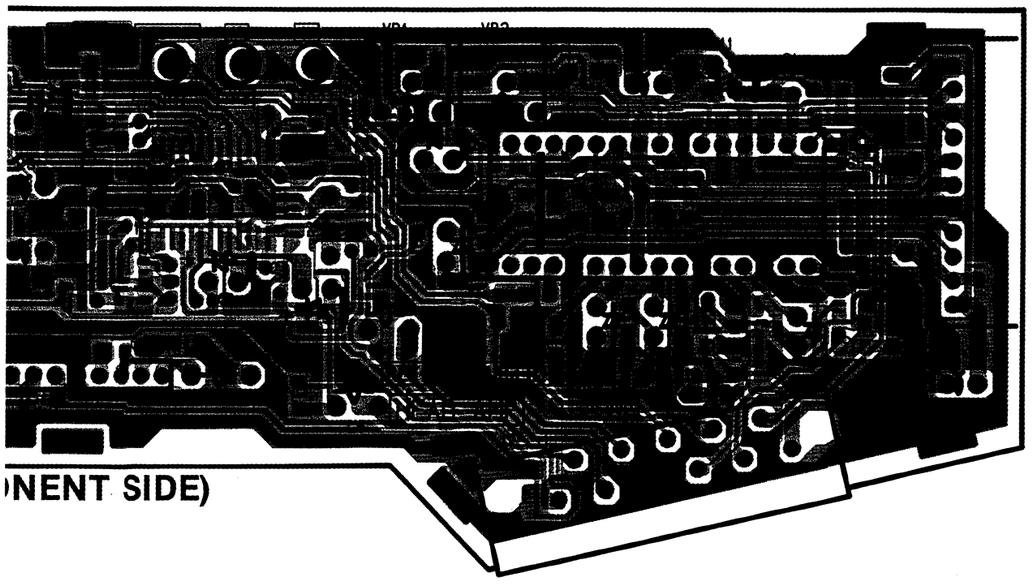

(FOIL SIDE)


(COMPONENT SIDE)

B

A

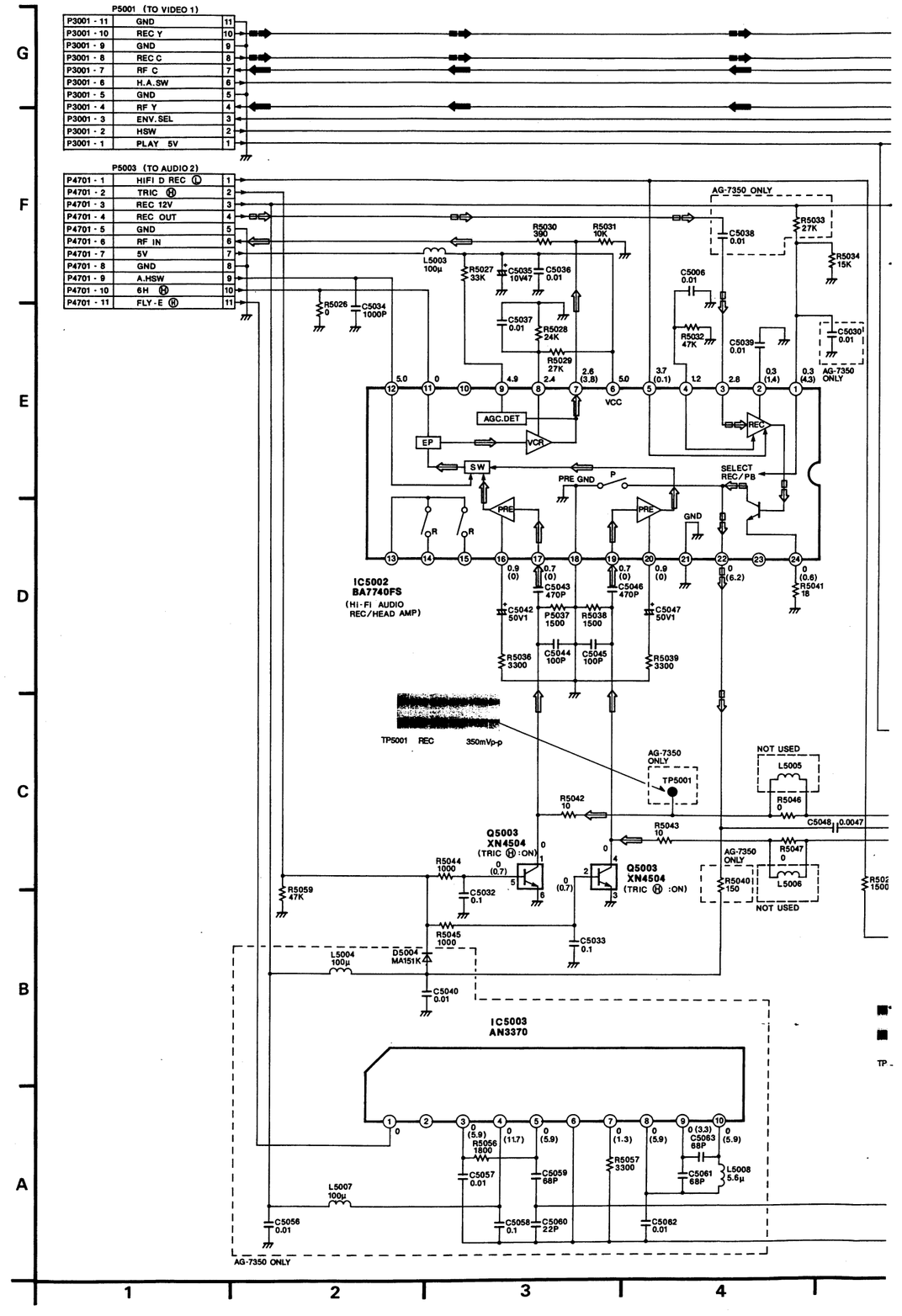
1 2 3 4 5



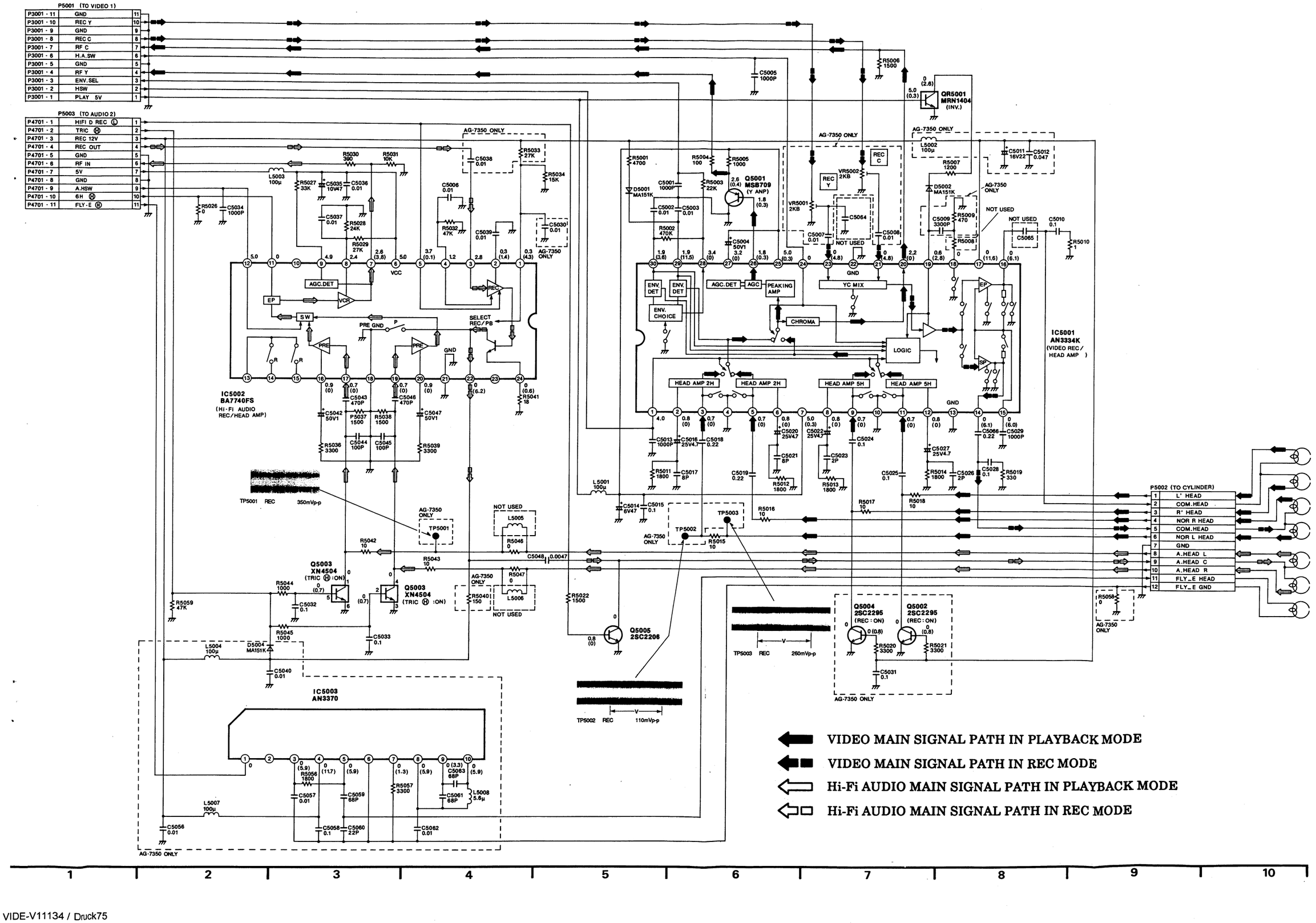
HEAD AMP C.B.A.	
Transistor	
Q5001	A-1 Ⓕ
Q5002	A-1 Ⓕ
Q5003	A-3 Ⓕ
Q5004	A-5 Ⓒ
Q5005	A-2 Ⓕ
Transistor & Resistor	
QR5001	B-1 Ⓕ
Integrated Circuit	
IC5001	A-1 Ⓕ
IC5001	A-4 Ⓒ
IC5002	B-4 Ⓒ
IC5003	A-3 Ⓕ
IC5003	A-4 Ⓒ
Adjustment	
VR5001	B-2 Ⓕ
VR5001	B-4 Ⓒ
VR5002	B-2 Ⓕ
VR5002	B-5 Ⓒ
Test Point	
TP5001	B-2 Ⓕ
TP5001	B-4 Ⓒ
TP5002	B-2 Ⓕ
TP5002	B-4 Ⓒ
TP5003	B-2 Ⓕ
TP5003	B-4 Ⓒ
Connector	
P5001	A-1 Ⓕ
P5001	A-5 Ⓒ
P5002	A-2 Ⓕ
P5002	A-5 Ⓒ
P5003	A-3 Ⓕ
P5003	A-3 Ⓒ

ADDRESS INFORMATION
Ⓒ... COMPONENT SIDE
Ⓕ... FOIL SIDE

HEAD AMP SCHEMATIC DIAGRAM



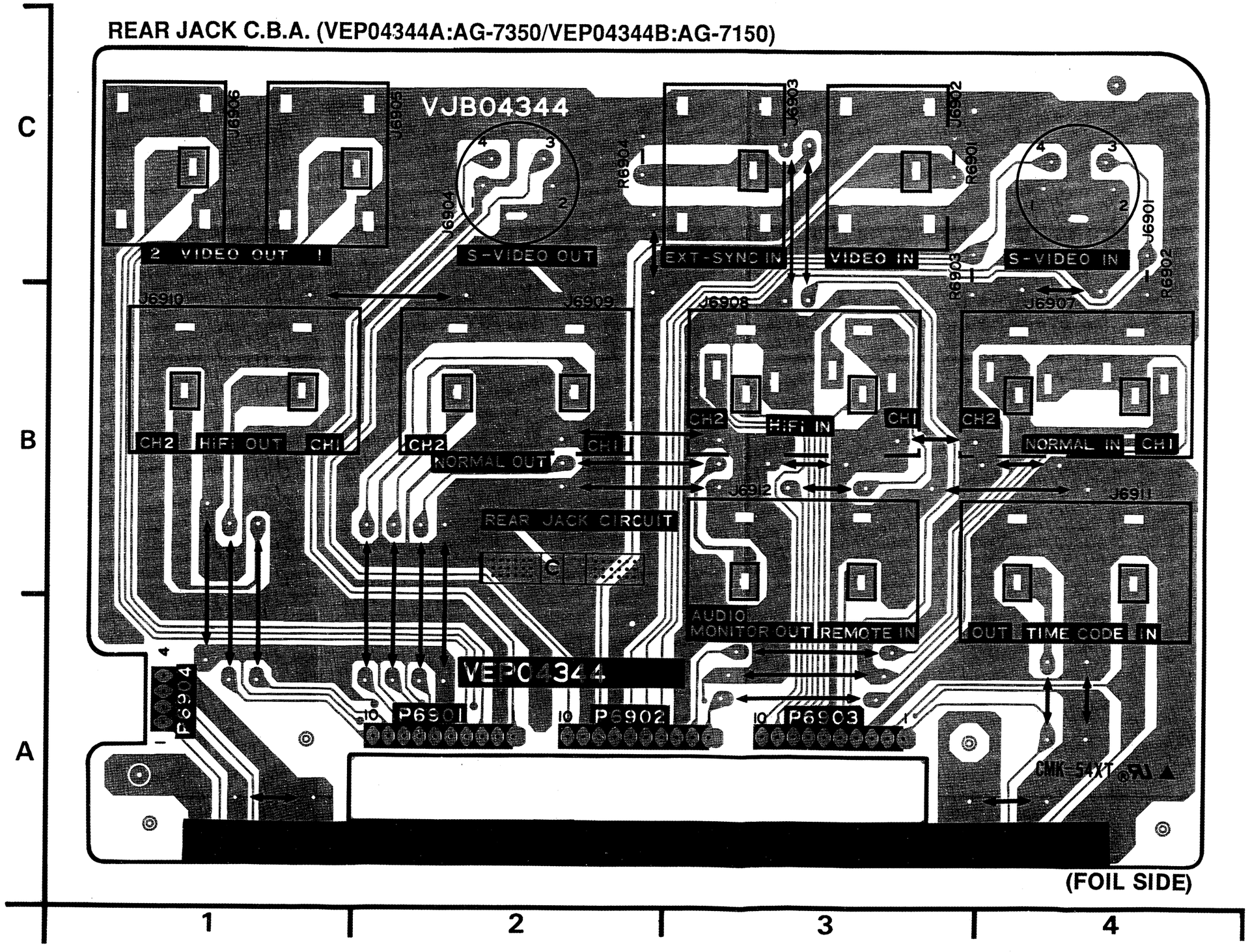
EAD AMP SCHEMATIC DIAGRAM



REAR JACK C.B.A. (VEP04344A: AG-7350/VEP04344B: AG-7150)

REAR JACK C.B.A.	
Connector	
P6901	A-2 Ⓕ
P6902	A-2 Ⓕ
P6903	A-3 Ⓕ
P6904	A-1 Ⓕ

ADDRESS INFORMATION
Ⓒ... COMPONENT SIDE
Ⓕ... FOIL SIDE



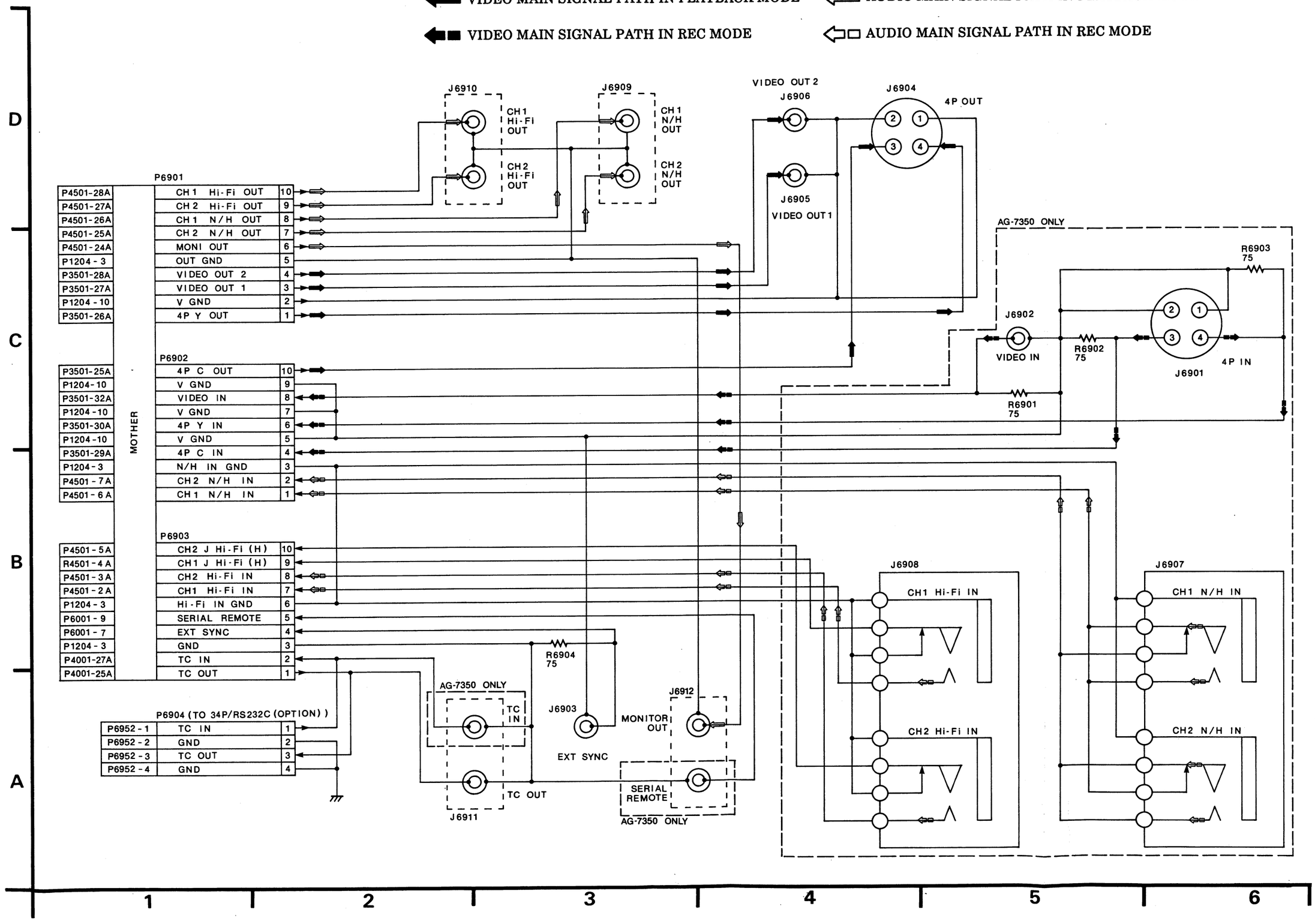
REAR JACK SCHEMATIC DIAGRAM

VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE

VIDEO MAIN SIGNAL PATH IN REC MODE

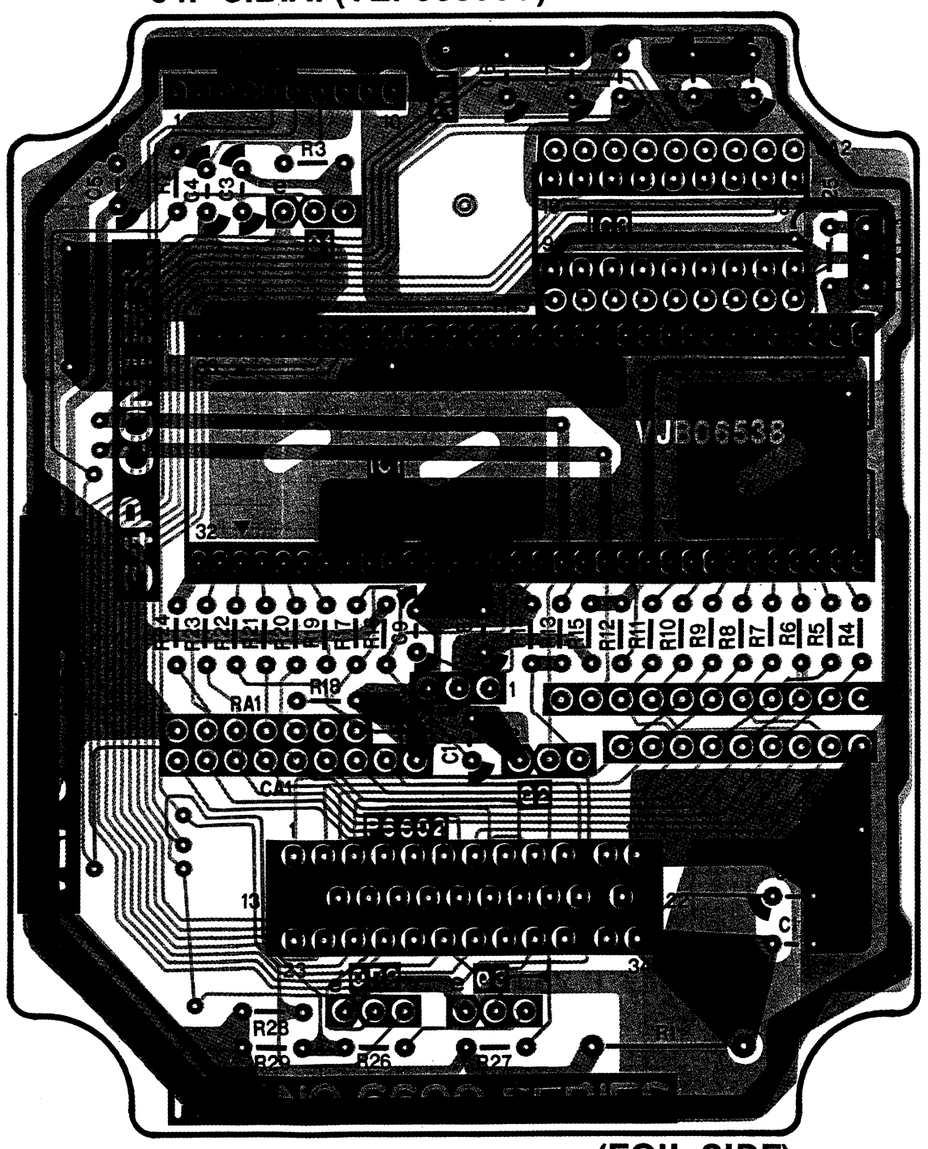
AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE

AUDIO MAIN SIGNAL PATH IN REC MODE



34P C.B.A. (VEP06538C)

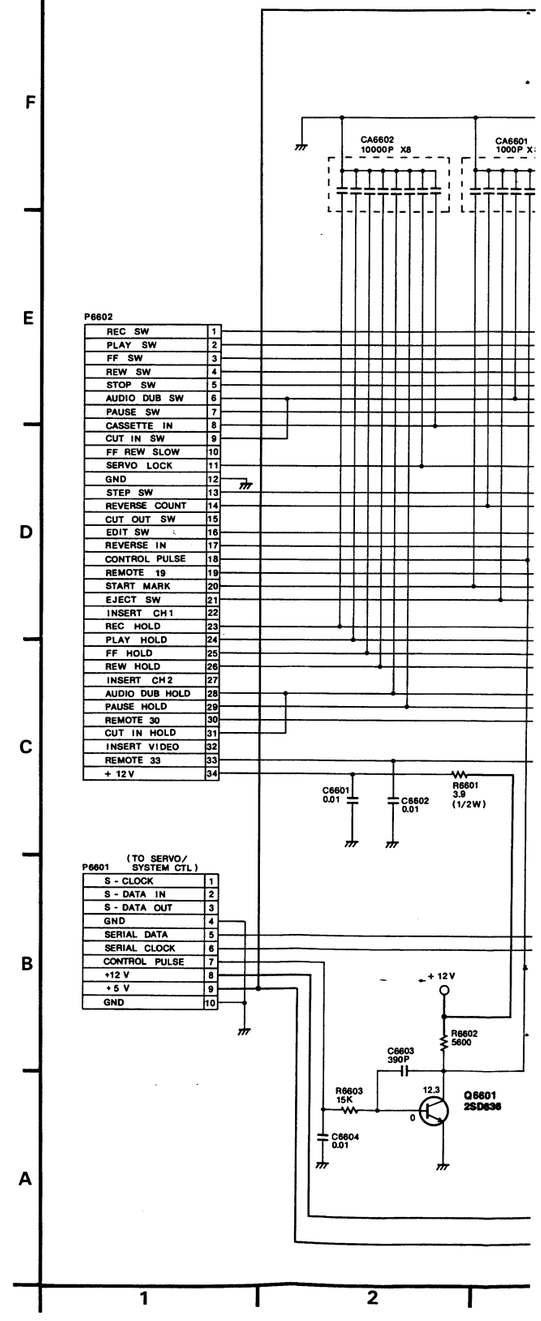
34P C.B.A. (VEP06538C)



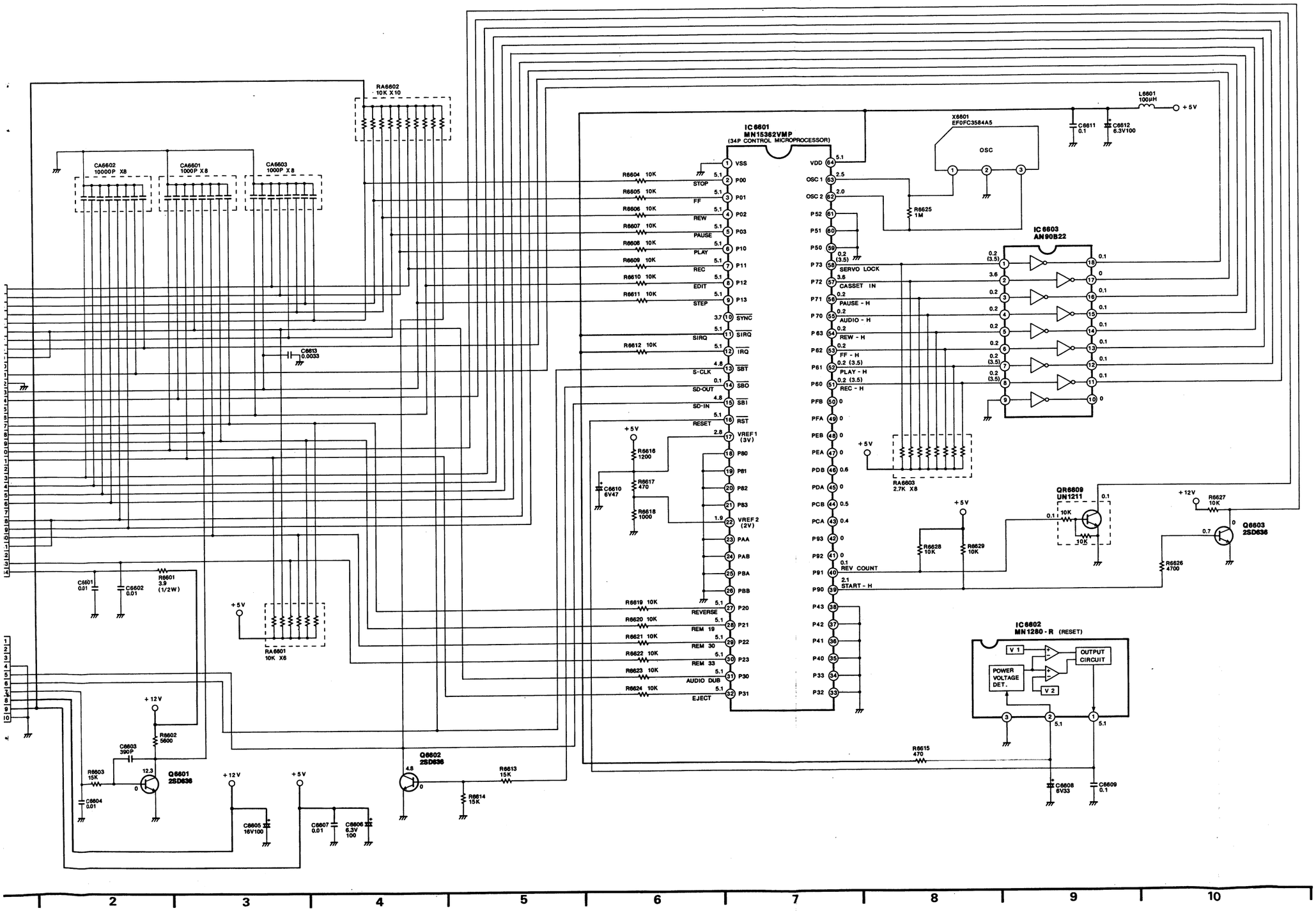
34P C.B.A.	
Transistor	
Q6601 Q6602 Q6603	C-1 A-2 A-2
Transistor & Resistor	
QR6609	A-1
Integrated Circuit	
IC6601 IC6602 IC6603	B-1 B-2 A-2
Connector	
P6601 P6602	C-1 A-2

ADDRESS INFORMATION

34P INTERFACE SCHEMATIC D

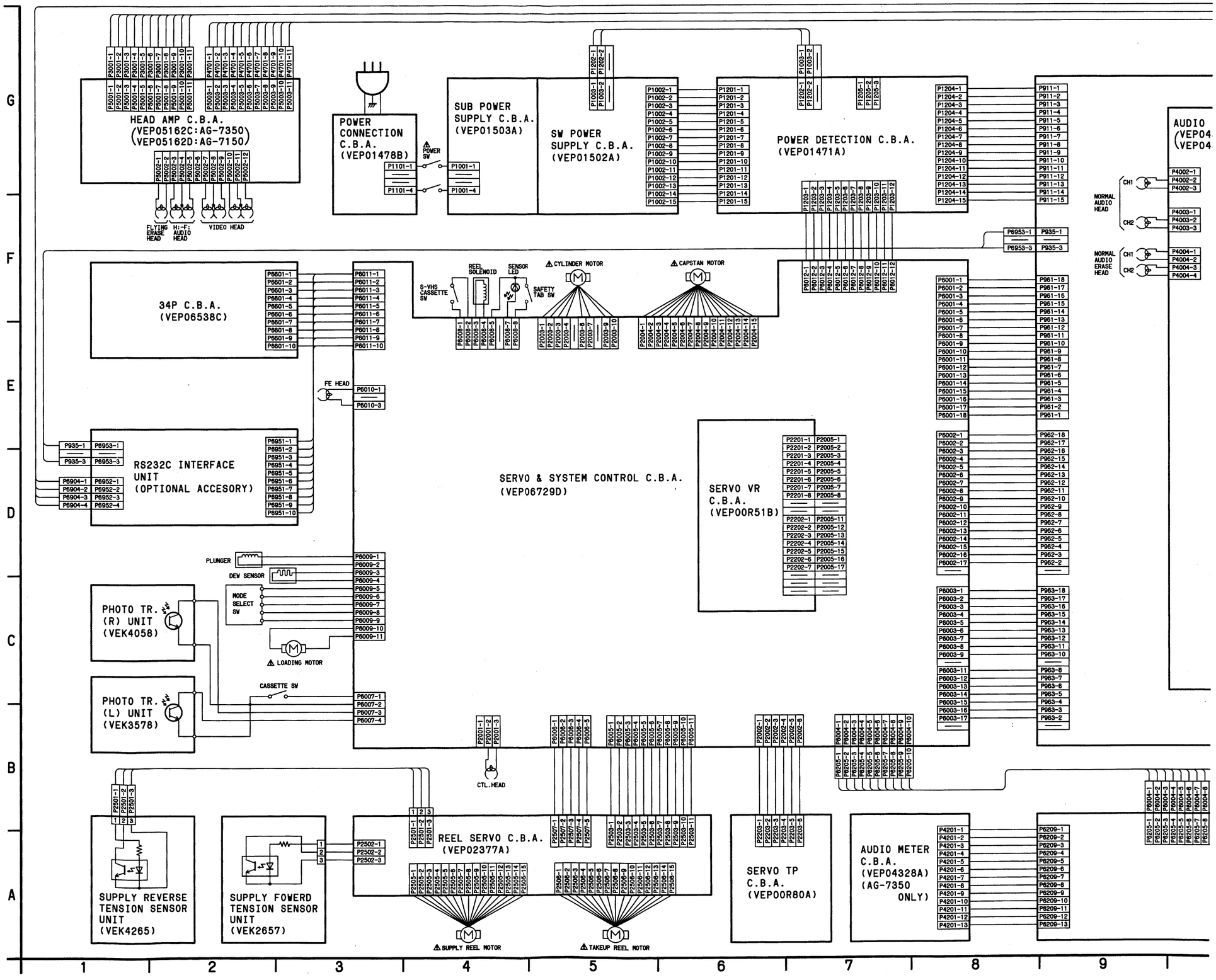


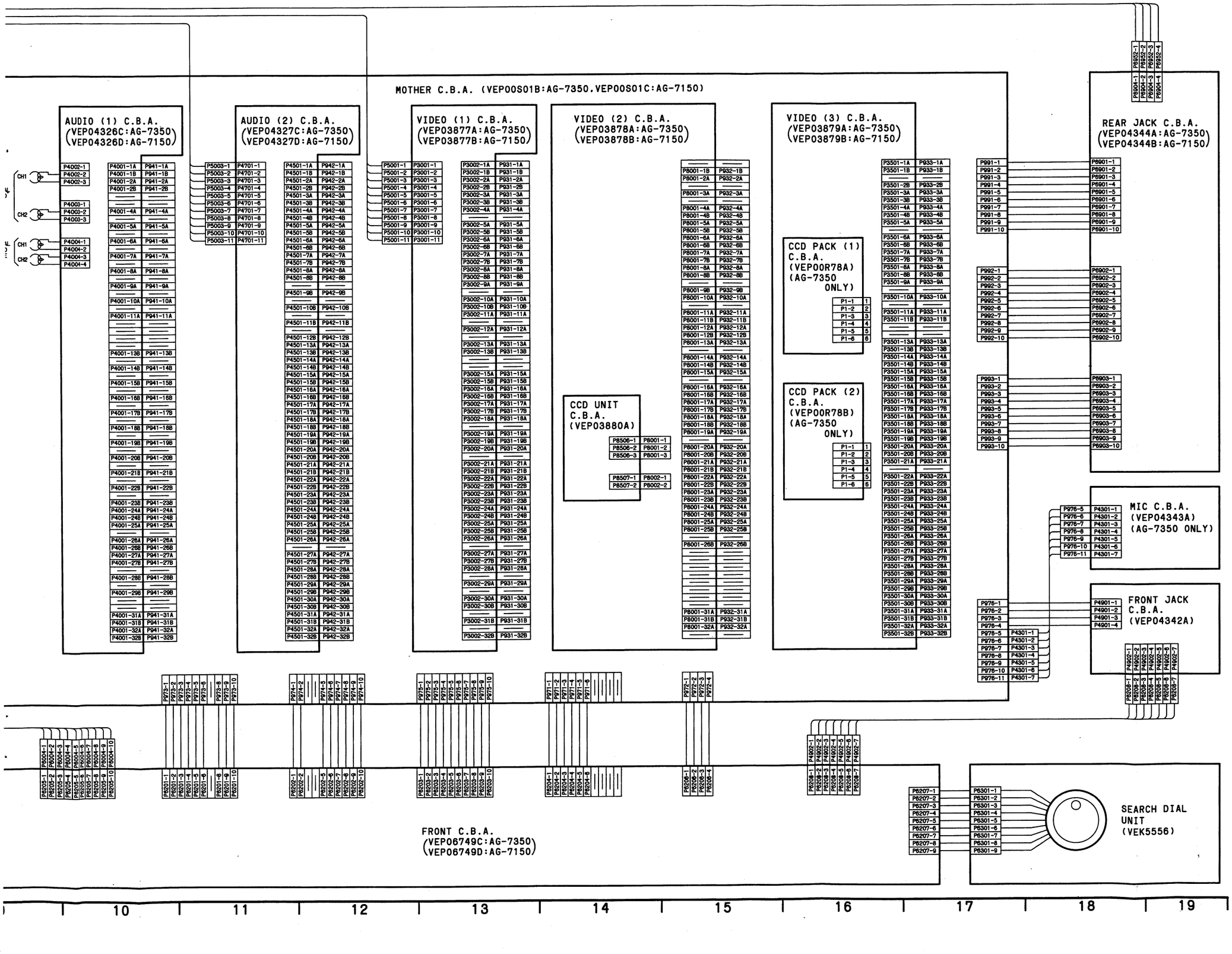
ACE SCHEMATIC DIAGRAM



2 3 4 5 6 7 8 9 10

INTERCONNECTION SCHEMATIC DIAGRAM




MOTHER C.B.A. (VEP00S01B:AG-7350,VEP00S01C:AG-7150)
AUDIO (1) C.B.A.
(VEP04326C:AG-7350)
(VEP04326D:AG-7150)
AUDIO (2) C.B.A.
(VEP04327C:AG-7350)
(VEP04327D:AG-7150)
VIDEO (1) C.B.A.
(VEP03877A:AG-7350)
(VEP03877B:AG-7150)
VIDEO (2) C.B.A.
(VEP03878A:AG-7350)
(VEP03878B:AG-7150)
VIDEO (3) C.B.A.
(VEP03879A:AG-7350)
(VEP03879B:AG-7150)
REAR JACK C.B.A.
(VEP04344A:AG-7350)
(VEP04344B:AG-7150)
CCD UNIT
C.B.A.
(VEP03880A)
CCD PACK (1)
C.B.A.
(VEP00R78A)
(AG-7350
ONLY)
CCD PACK (2)
C.B.A.
(VEP00R78B)
(AG-7350
ONLY)
MIC C.B.A.
(VEP04343A)
(AG-7350 ONLY)
FRONT JACK
C.B.A.
(VEP04342A)
FRONT C.B.A.
(VEP06749C:AG-7350)
(VEP06749D:AG-7150)
SEARCH DIAL
UNIT
(VEK5556)
CH1
CH2
10
11
12
13
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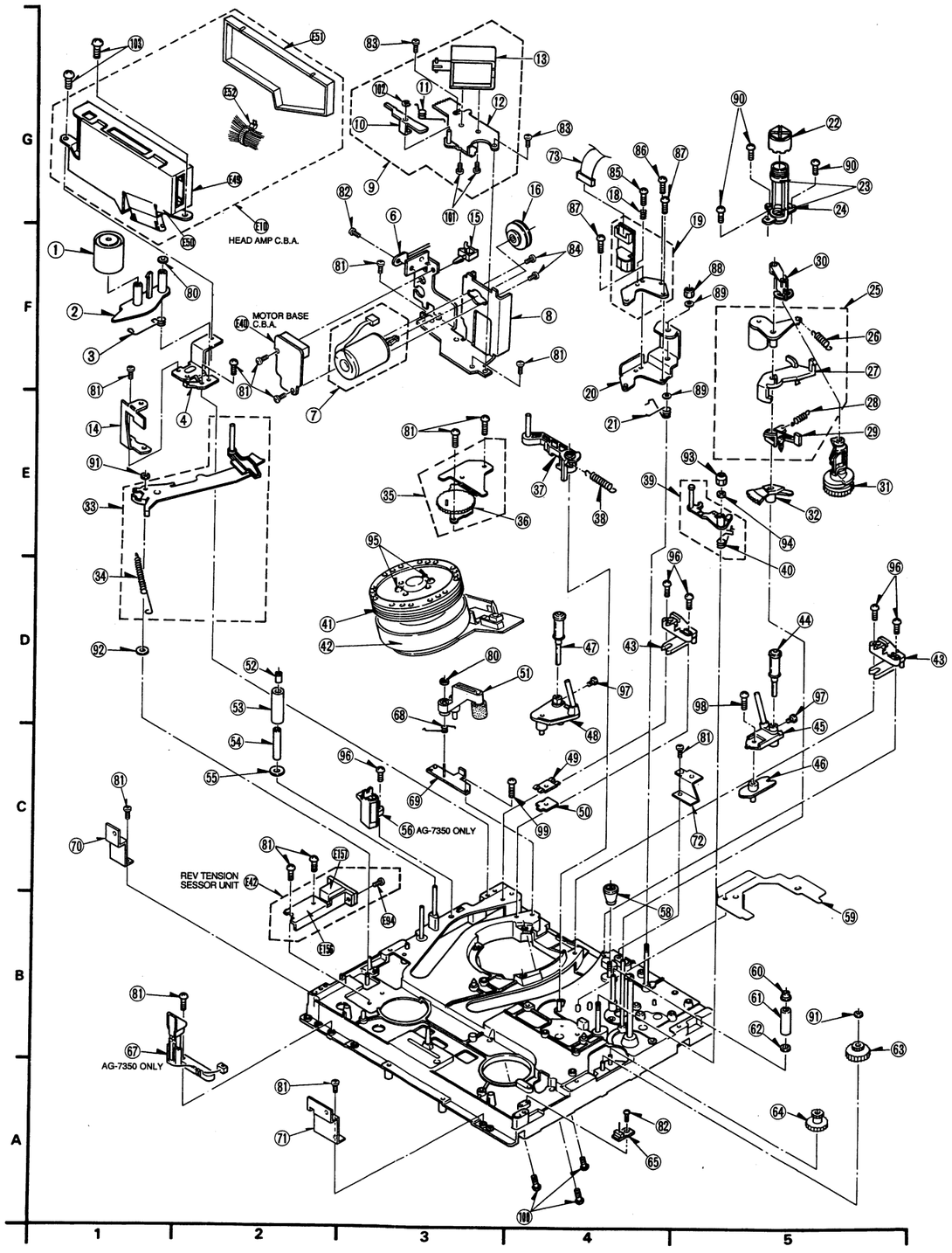
15
16
17
18
19

EXPLODED VIEWS

❶ *Chassis Parts Section*



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>
1-8		VMA8290	MOTOR BASE	1	
1-9		VXA3657	SOLENOID BASE UNIT	1	<R>
1-10		VML2299	CAM LEVER	1	
1-11		VMB1979	CAM LEVER SPRING	1	
1-12		VXA3658	SOLENOID BASE (1) UNIT	1	
1-13		VSJ0092	PINCTH SOLENOID	1	
1-14		VMA8095	IMPEDANS ROLLER SUPPORT ANGLE	1	
1-15		VJF0013	MINI CLAMPER	1	
1-16		VDP1319	MOTOR PULLEY	1	
1-18		VMB1251	ADJUST SPRING	1	
1-19		VED0107	A/C HEAD (1) UNIT	1	FOR AG-7350-E/B <M><R>
1-19		VED0116	A/C HEAD (1) UNIT	1	FOR AG-7150-E/B <M><R>
1-20		VXA3649	A/C HEAD BASE UNIT	1	
1-21		VMB1567	A/C HEIGHT SPRING	1	
1-22		VXQ0006	THRUST SCREW UNIT	1	
1-23		VMX1033	OIL SEAL	2	
1-24		VXD0133	HOUSING UNIT	1	
1-25		VXL1892	PRESSURE ROLLER UNIT	1	<M><R>
1-26		VMB1977	PINCH PRESSURE SPRING	1	
1-27		VXL1893	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	PULL OUT SECTOR GEAR	1	
1-33		VXL2089	TENSION ARM UNIT	1	
1-34		VMB1975	TENSION SPRING	1	
1-35		VEK4171	MECHANISM CONNECTION UNIT	1	
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 UNIT	1	
1-40		VMB1554	P5 SPRING	1	
1-41		VEH0437	UPPER CYLINDER UNIT	1	FOR AG-7350-E/B <M><R>
1-41		VEH0452	UPPER CYLINDER UNIT	1	FOR AG-7150-E/B <M><R>
1-42		VEG0909	LOWER CYLINDER UNIT	1	FOR AG-7350-E/B <M><R>
1-42		VEG0911	LOWER CYLINDER UNIT	1	FOR AG-7150-E/B <M><R>
1-43		VMD0910	POST STOPPER	2	
1-44		VXP1094	ROLLER POST (T) UNIT	1	
1-45		VXA3213	INCLINED BASE (T) (1) UNIT	1	
1-46		VXA2687	INCLINED ADJUSTMENT PLATE U	1	
1-47		VXP1093	ROLLER POST (S) UNIT	1	
1-48		VXA3249	INCLINED BASE (S) (2) UNIT	1	
1-49		VMA7029	HOLDER PLATE (S)	1	
1-50		VMA7660	PLATE	1	
1-51		VXL1979	HEAD CLEANING UNIT	1	<M><R>
1-52		VMX1088	UPPER LIMITER	1	
1-53		VDP1276	SUPPLY ROLLER	1	
1-54		VMX1581	P1 COLIAR	1	
1-55		VMX1533	LOWER LIMITER	1	
1-56		VBS0038	FE HEAD	1	AG-7350-E/B ONLY <M><R>
1-58		VHN0110	ADJUST NUT	1	
1-59		VXA3871	SHIELD PLATE UNIT	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		VES0503	S-VHS CASSETTE DETECT SW	1	<R>
1-67		VES0639	SAFETY SWITCH	1	AG-7350-E/B ONLY

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
1-68		VMB1996	CLEANING SPRING	1	
1-69		VXA3980	HEAD CLEANING PLATE UNIT	1	
1-70		VMA6895	MOUNT PLATE (L)	1	
1-71		VMA6896	MOUNT PLATE (R)	1	
1-72		VMA8593	HEAD AMP ANGLE (R)	1	
1-73		VEE7395	FLEXIBLE CABLE	1	AG-7350-E/B ONLY
1-73		VEE7422	FLEXIBLE CABLE	1	AG-7150-E/B ONLY
1-80		VMX1079	CUT WASHER	2	
1-81		XTV26+6F	SCREW	12	
1-82		XTV2+4F	SCREW	2	
1-83		XYN26+F5FZ	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	3	
1-92		XWGV3D6G	POLLY SLIDER WASHER	1	
1-93		VHN0023	M3 NYLON NUT	1	
1-94		XWE3VW	M3 WASHER	1	
1-95		VHD0425	SCREW	2	
1-96		XTV26+10F	SCREW	5	
1-97		VHD0133	SCREW	2	
1-98		XYN26+F6FZ	SCREW	1	
1-99		XTN3+6FFZ	SCREW	1	
1-100		VHD0342	SCREW	3	
1-101		XYN26+C4	SCREW	2	
1-102		XUC25FP	E RING	1	
1-103		XTW3+8LR	SCREW	2	

Section 8

EXPLODED VIEWS
AND
REPLACEMENT PARTS LISTS

CONTENTS

SERVICING FIXTURES & TOOLS LIST PARTS-2

EXPLODED VIEWS PARTS-3

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MECHANICAL REPLACEMENT PARTS LIST PARTS-4

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ELECTRICAL REPLACEMENT PARTS LIST PARTS-13

NOTE : Exploded Views are based on AG-7350

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 identified 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 symbol ⚠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^{-6} F, P=10^{-12} F.
4. ITEM NUMBERS WITH CAPITAL LETER E
   Item numbers with 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 (NLA) is no longer available after discontinuation of the product.
8. Abbreviations for parts ;

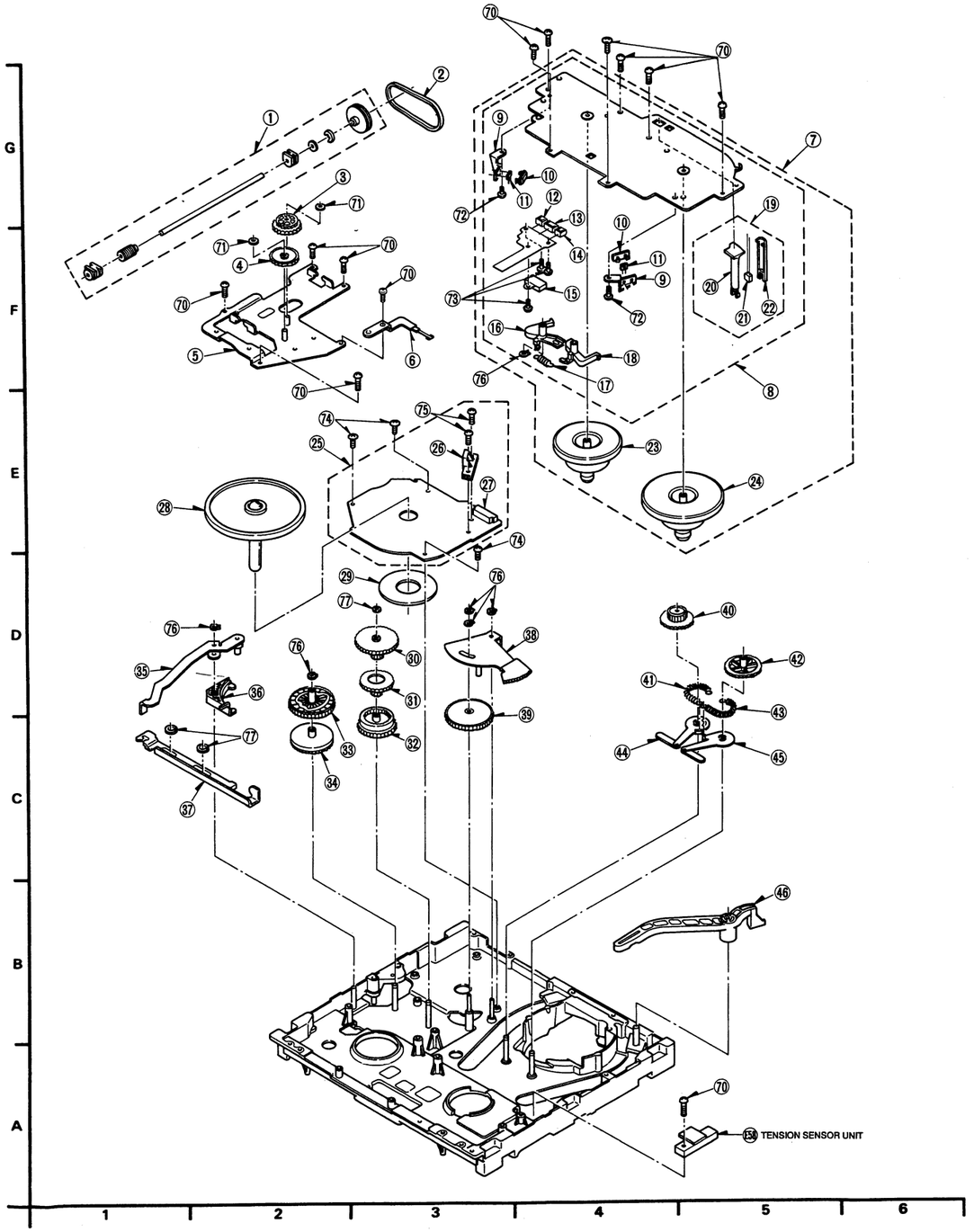
-- NAME --	-- DESCRIPTION --
C.CAPACITOR	CERAMIC CAPACITOR
C.CAPACITOR CH	CERAMIC CHIP CAPACITOR
E.CAPACITOR	ELECTROLYTIC CAPACITOR
G.CAPACITOR	GLASS CAPACITOR
M.CAPACITOR	MICA CAPACITOR
P.CAPACITOR	PLASTIC FILM CAPACITOR
S.CAPACITOR	SEMI-CONDUCTOR CAPACITOR
T.CAPACITOR	TANTALUM CAPACITOR
TRIMMER	TRIMMER
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	TRANSITOR-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
	VFM8180HADH	PAL VHS ALIGNMENT TAPE	1	
	VFM8080HQFP	NTSC VHS ALIGNMENT TAPE	1	
	VFK0329	POST ADJ. SCREWDRIVER	1	
	VFK0132	BACK TENSION METER	1	(T2-H7-UM)
		(TENTELOMETER, MADE IN		
		U.S.A.)		
	VFK0191	POST ADJ. PLATE	1	
	VFK0133	DIAL TORQUE GAUGE	1	
	VFK0180	PLASTIC CLAMPER ONLY	1	
	VFK0134	ADAPTOR FOR VFK0133	1	
	VFK0190	REEL TABLE HEIGHT GAUGE	1	
	VFK0236	TENSION POST ADJ. FIXTURE	1	
	VFK0578	TENSION SENSOR ADJ. FIXTURE	1	
	VFK0328	H-POSITION ADJ. SCREWDRIVER	1	
	VFK0330	FINE ADJ. SCREWDRIVER	1	
		(3mm PHI)		

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VFK0335	RETAINING RING REMOVER	1	
		(3mm/4mm)		
	VFK0326	HEX. WRENCH SET	1	
	VFK0343	CHECK LIGHT	1	
	MOR265	MOLYTONE GREASE (BLACK)	1	
	VFK0680	S.C.R. GREASE (WHITE)	1	
	VFK27	HEAD CLEANING STICK	1	
	VFK0344	POST HEIGHT ADJ. FIXTURE	1	
	VFK0269	L TYPE SCREWDRIVER	1	
	VFK66	FAN TYPE TENSION GAUGE	1	
	VFK0684	EXTENDER	1	FOR MOTHER BOARD
				CHECKING
	VFK0685	EXTENDER	1	FOR FRONT BOARD
				CHECKING

❷ *Moving Mechanism Section*



PARTS—5

2. Moving Mechanism 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	1	
2-7		VEM0378	REEL MOTOR UNIT	1	<M><R>
2-8		VXA4109	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		VJP1229R	CONNECTOR (2P)	1	
2-13		VJP1235T	CONNECTOR (8P)	1	
2-14		VJP1229T	CONNECTOR (2P)	1	
2-15		VSJ0066	SOLENOID	1	
2-16		VXZ0270	MAIN BRAKE (S) UNIT	1	<M><R>
2-17		VMB1978	BRAKE SPRING	1	
2-18		VXZ0271	MAIN BLAKE (T) UNIT	1	<M><R>
2-19		VEK4164	LED UNIT	1	
2-20		VMX1565	LED HOLDER (A)	1	
2-21		GL450	LED	1	<R>
2-22		VMX0683	LED HOLDER (L)	1	
2-23		VXR0187	TAKEUP REEL TABLE UNIT	1	<R>
2-24		VXR0186	SUPPLY REEL TABLE UNIT	1	<R>
2-25		VEK4105	STATOR UNIT	1	
2-26		VBK0048	MR HEAD	1	<R>
2-27		VJP1902	CONNECTOR	1	
2-28		VXP1328	ROTOR UNIT	1	
2-29		VMA6847	SUB PLATE	1	
2-30		VDG0580	CENTER GEAR	1	
2-31		VXP0878	RETANER 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	
2-70		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	WASHER	6	
2-77		VMX1079	CUT WASHER	3	

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	
3-5		VXA3690	CASSETTE HOLDER UNIT	1	
3-6		VMD1387	HOLDER GUIDE	1	
3-7		VXA3691	HOLDER ANGLE UNIT	1	
3-8		VMA7989	CASSETTE HOLDER	1	
3-9		VMA3692	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	
3-21		VXA3498	SLIDE SWITCH UNIT	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	
3-27		VXP1089	MAIN SHAFT UNIT	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		VKF1243	BLINDER PANEL	1	<R>
3-34		VMB1258	BLINDER SPRING	1	
3-35		VDP1398	CASSETTE ROLLER	1	
3-36		VMS3061	ROLLER SHAFT	1	
3-37		VMA8460	CASSETTE GUIDE	1	
3-38		VMS4644	SHAFT	1	
3-39		VMD1773	CASSETTE SUPPORT	1	
3-40		VMB2329	SUPPORT SPRING	1	
3-50		XTV26+8G	SCREW	2	
3-51		XTV26+6F	SCREW	1	
3-52		XTV3+8G	SCREW	1	
3-53		XUC2.5FP	E RING	1	

PARTS—6

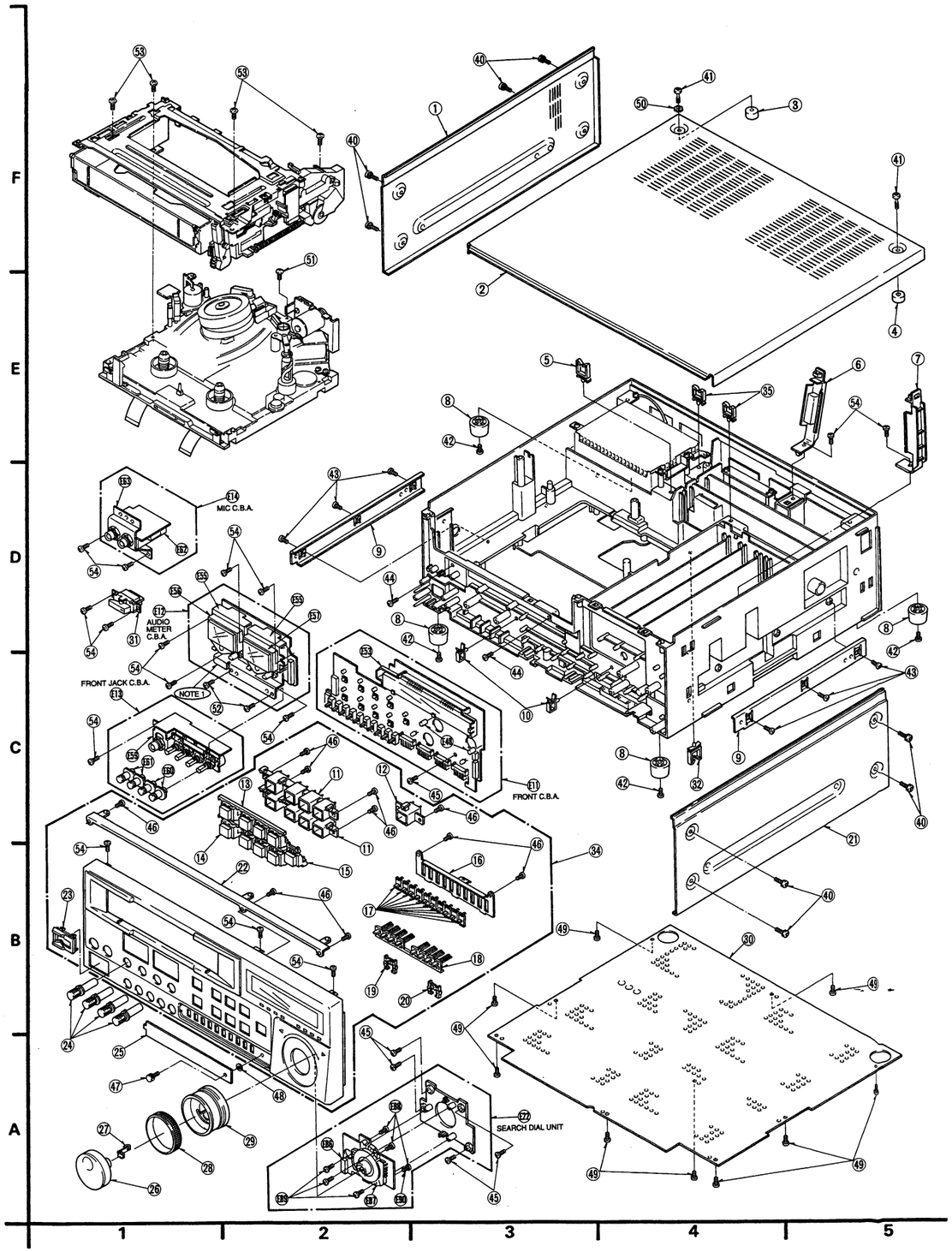
4. Chassis & Frame Section

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
4-1	VSC2754	POWER UNIT SHIELD CASE	1	
		(UPPER)		
4-2	VSC2756	POWER SHIELD CASE (REAR)	1	
4-4	VMZ1358	INSULATION SHEET	1	
4-5	VMZ1394	INSULATION SHEET	1	
4-6	VMC0357	TR SPRING	2	
4-7	VSC2757	POWER SHIELD CASE (FRONT)	1	
4-8	VMZ1393	INSULATION SHEET	1	
4-9	VSC2827	POWER SHIELD PLATE	1	
4-10	VSC2778	HEAT SINK	1	
4-11	VMP2669	EARTH ANGLE	1	
4-12	VSC2755	POWER SHIELD CASE (LOWER)	1	
4-13	VMZ1357	INSULATION SHEET	1	
4-14	VGQ1615	TR HOLDER	1	
4-15	VWZ0074	IC COVER	1	
4-16	VJH0632	REAR JACK ANGLE	1	
4-17	VJH0082	GND TERMINAL	1	
4-18	VGH2859	REAR JACK PLATE	1	FOR AG-7350-E/B
4-18	VGH2860	REAR JACK PLATE	1	FOR AG-7150-E/B
4-19	VMP3221	TOP ANGLE (LEFT)	1	
4-20	VXA4649	SIDE ANGLE UNIT	2	
4-21	VMP3222	TOP ANGLE (RIGHT)	1	
4-22	VMP3216	MECHNISM SHIELD PLATE	1	
4-23	VMP3232	POWER CORD SHIELD ANGLE	1	
4-24	VMP3648	EARTH ANGLE (L)	1	
4-25	VMP3649	EARTH ANGLE (R)	1	
4-26	VMP3650	EARTH ANGLE (MIC)	1	
4-30	XTB3+10FZ	SCREW	2	
4-31	XTS3+8J	SCREW	1	
4-32	XTV3+8FFZ	SCREW	18	
4-33	XTS3+16F	SCREW	3	
4-34	XTV3+12F	SCREW	2	
4-35	XTV3+12J	SCREW	1	
4-36	XYE3+EF8FR	SCREW	5	
4-37	XTW3+10JFR	SCREW	4	
4-38	XTV3+10JFZ	SCREW	8	FOR AG-7350-E/B
4-38	XTV3+10JFZ	SCREW	5	FOR AG-7150-E/B
4-39	XTV3+10J	SCREW	2	
4-40	XTV3+10JFR	SCREW	30	

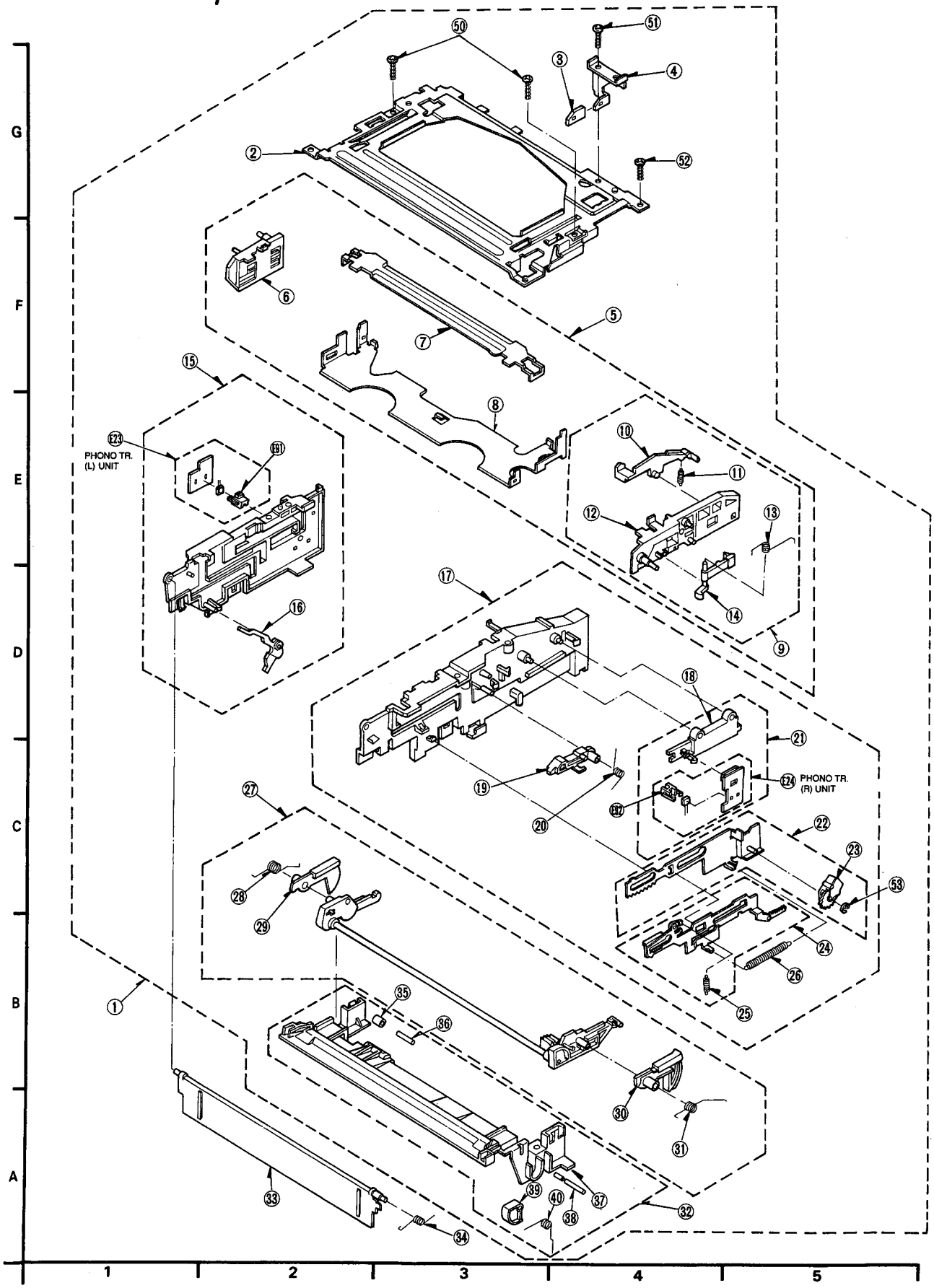
5. Casing Parts Section

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
5-1	VGM0799	SIDE PANEL (LEFT)	1	
5-2	VGM0798	TOP PANEL	1	
5-3	VMX1789	TOP PANEL SPACER	1	
5-4	VMX0871	TOP PANEL SPACER	1	
5-5	VJF0004	MINI CLAMPER	1	
5-6	VKC0393	C.B. HOLD PIECE (A)	1	
5-7	VKC0394	C.B. HOLD PIECE (B)	1	
5-8	VKA0117	RUBBER FOOT	4	
5-9	VXA4551	SUPPORT ANGLE UNIT	2	
5-10	VJF0013	MINI CLAMPER	2	
5-11	VGF0418	LED HOLDER (A)	2	
5-12	VGF0419	LED HOLDER (B)	1	
5-13	VGU5600	OPERATION BUTTON (A)	1	FOR AG-7350-E/B
5-13	VGU5634	OPERATION BUTTON (A)	1	FOR AG-7150-E/B
5-14	VGU5633	OPERATION BUTTON (A)	1	
5-15	VGU5601	OPERATION BUTTON (B)	1	
5-16	VMP3226	KNOB HOLD ANGLE	1	
5-17	VGU5603	SLIDE KNOB	10	FOR AG-7350-E/B
5-17	VGU5603	SLIDE KNOB	7	FOR AG-7150-E/B
5-18	VGU5602	COUNTER BUTTON	1	
5-19	VGL0508	REV. PANELIGHT	1	
5-20	VGL0506	FWD PANELIGHT	1	
5-21	VGM0800	SIDE PANEL (RIGHT)	1	
5-22	VMP3225	FRONT SUPPORT ANGLE	1	
5-23	VKW1501	POWER SWITCH COVER	1	
5-24	VGU5604	VR KNOB	4	
5-25	VKW1499	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	SEARCH DIAL KNOB	1	
5-30	VKM2737	BOTTOM PLATE	1	
5-31	VES0654	POWER SWITCH UNIT	1	
5-32	VJF0022	CLAMPER	1	
5-33	VMP3282	METER ANGLE	1	FOR AG-7150-E/B
5-34	VYP3837	FRONT PANEL UNIT	1	FOR AG-7350-E/B
5-34	VYP3838	FRONT PANEL UNIT	1	FOR AG-7150-E/B
5-35	VJF0004	MINI CLAMPER	2	
5-40	VHD0426	SCREW	8	
5-41	VHD0222	SCREW	2	
5-42	XTV3+16G	SCREW	4	
5-43	XTV3+10J	SCREW	6	
5-44	XTV4+8F	SCREW	2	
5-45	XTV4+10JFR	SCREW	5	
5-46	XTV3+8J	SCREW	10	
5-47	VHD0679	SCREW	1	
5-48	VMX1558	NYLON WASHER	1	
5-49	VHD0059	SCREW	9	
5-50	XWC4BFY	WASHER (M4)	1	
5-51	XTV4+12J	SCREW	1	
5-52	XTV3+8F	SCREW	2	
5-53	XTV26+8FR	SCREW	4	
5-54	XTV3+10JFR	SCREW	15	

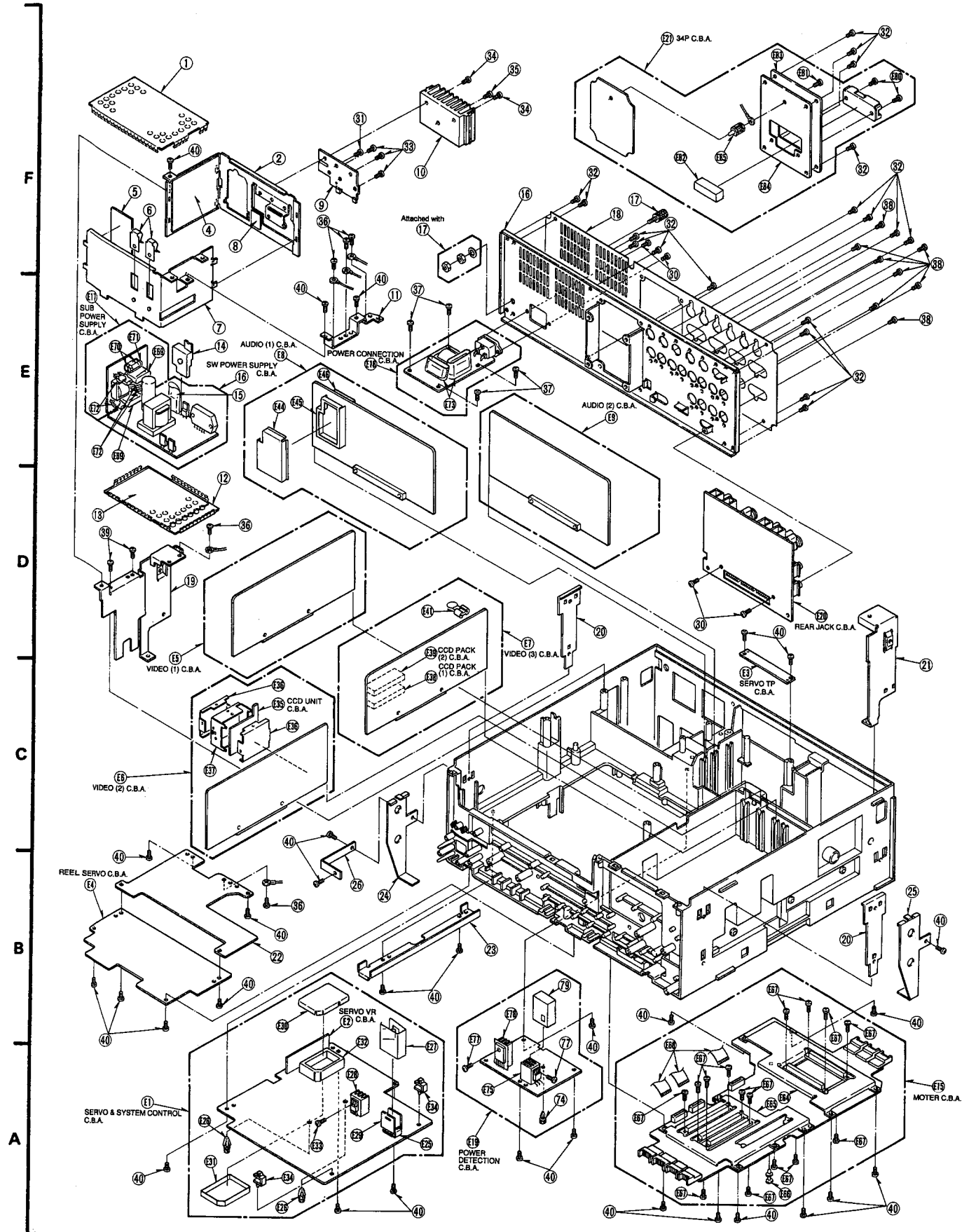
❺ *Casing Parts Section*



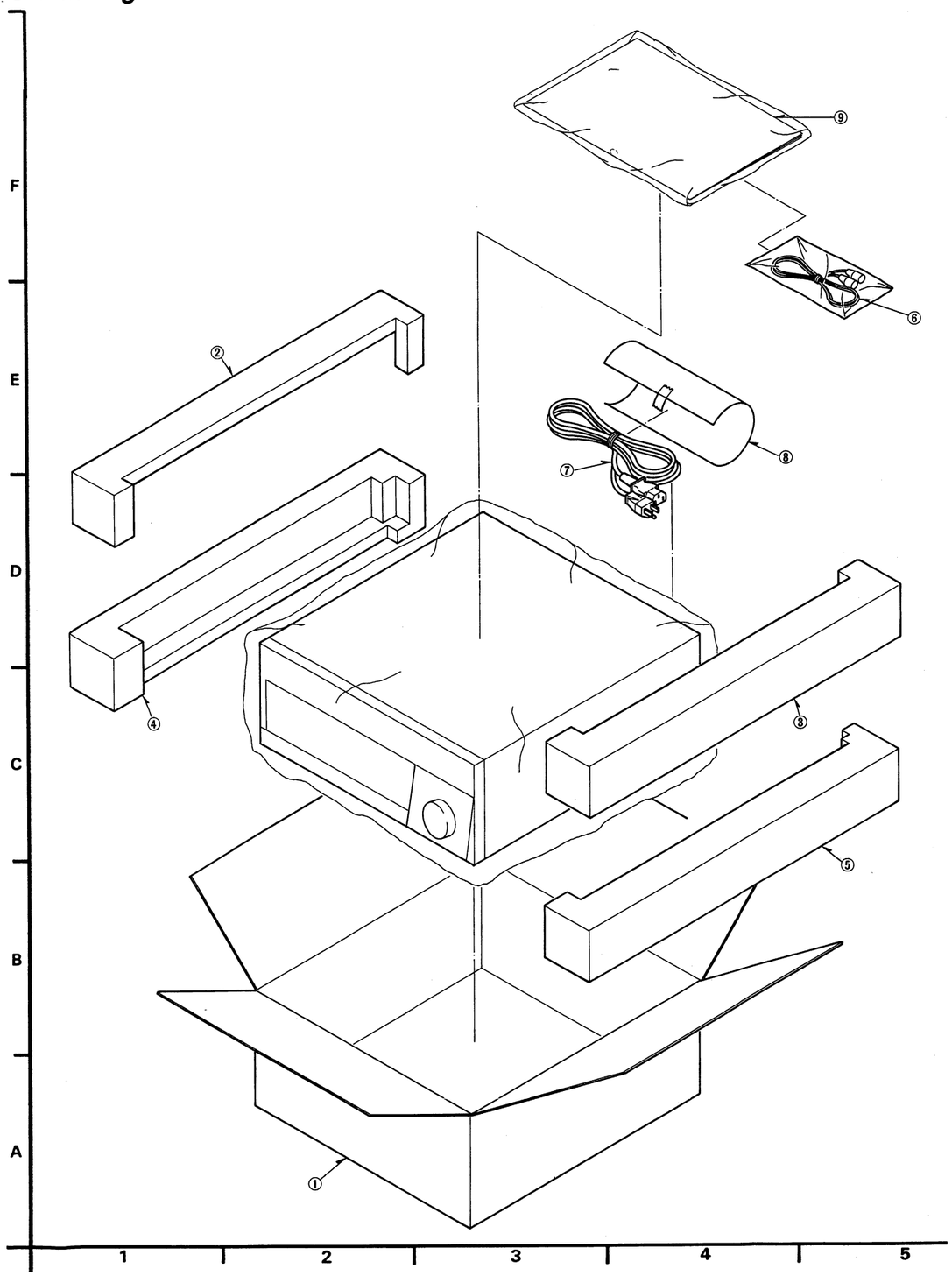
❸ *Cassette Compartment Section*



❹ *Chassis & Frame Section*



❻ *Packing Parts Section*



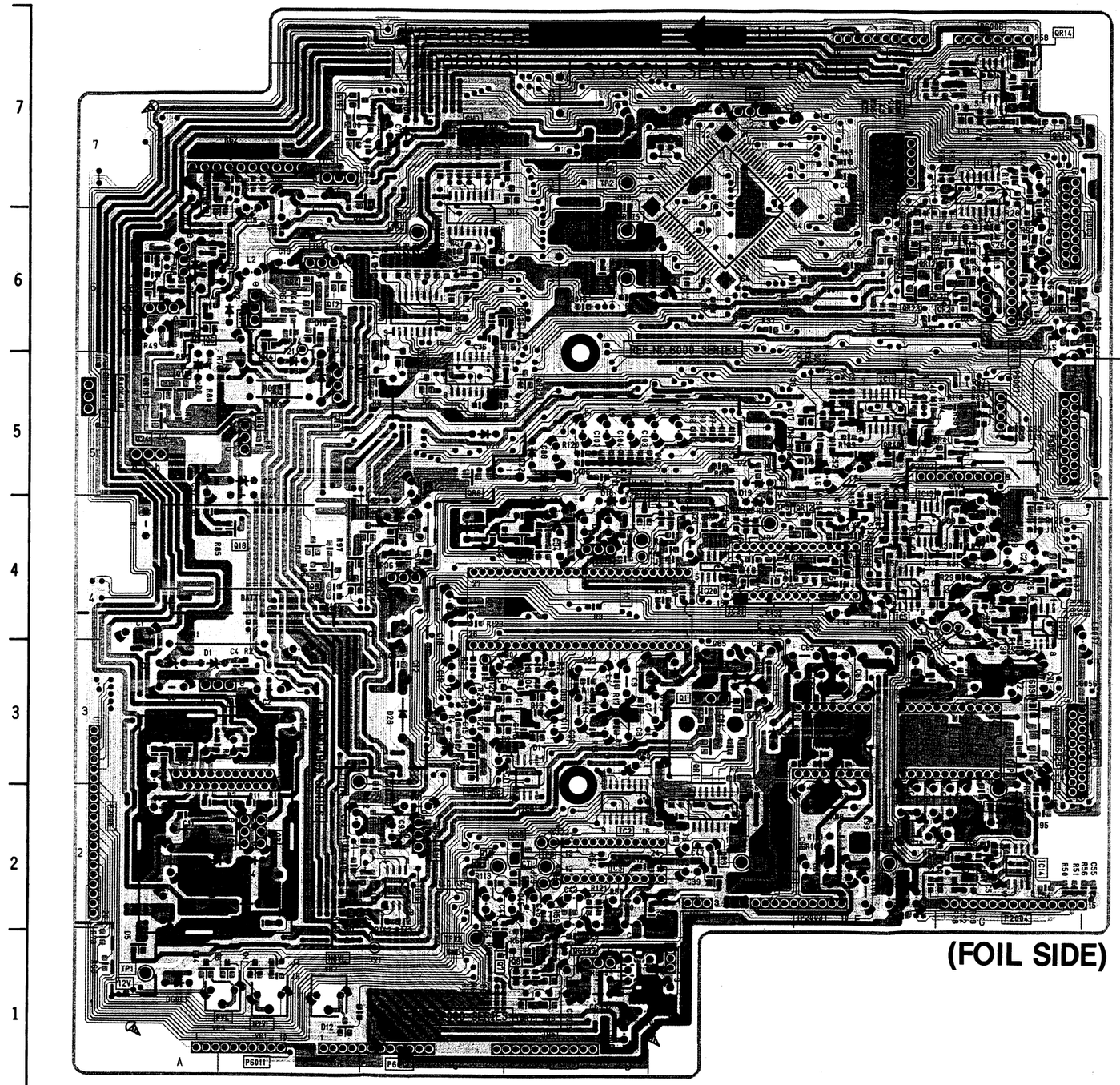
6. Packing Parts Section

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
6-1		VPG6203	PACKING CASE	1	FOR AG-7350-E
6-1		VPG6204	PACKING CASE	1	FOR AG-7350-B
6-1		VPG6205	PACKING CASE	1	FOR AG-7150-B
6-1		VPG6206	PACKING CASE	1	FOR AG-7150-B
6-2		VPN3177	CUSHION (LEFT TOP)	1	
6-3		VPN3178	CUSHION (RIGHT TOP)	1	
6-4		VPN3179	CUSHION (LEFT BOTTOM)	1	
6-5		VPN3180	CUSHION (RIGHT BOTTOM)	1	
6-6		VJA0579	4P CABLE	1	
6-7		VJA0701	POWER CORD	1	FOR AG-7350-E
					FOR AG-7150-E
6-7		VJA0702	POWER CORD	1	FOR AG-7350-B
					FOR AG-7150-B
6-8		VPF0136	POWER CORD SHEET	1	
6-9		VQT4386	OPERATING INSTRUCTIONS	1	FOR AG-7350-E/B
			(ENGLISH)		FOR AG-7150-E/B
6-9		VQT4387	OPERATING INSTRUCTIONS	1	FOR AG-7350-E
			(FRENCH/GERMAN)		FOR AG-7150-E

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks

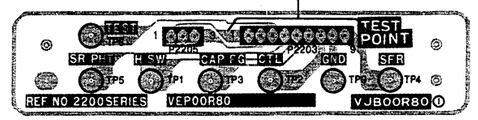
SYSTEM CONTROL & SERVO C.B.A. SERVO TP C.B.A. AG-7355/7350/7150

(Page SCM-4)



(FOIL SIDE)

SERVO TP C.B.A.



(FOIL SIDE)

ELECTRICAL REPLACEMENT PARTS LIST

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
E1		VEP06729D	P.C.BOARD W/COMPONENT	1	(NLA)<R>
			SERVO / SYSTEM CONTROL		INCLUDING THE
					SERVO VR (VEP00R51B)
E2		VEP00R51B	P.C.BOARD W/COMPONENT	1	(NLA)<R>
			SERVO VR		PARTS LIST IS
					INCLUDED IN SERVO /
					SYSTEM CONTROL
					(VEP06729D)
E3		VEP00R80A	P.C.BOARD W/COMPONENT	1	(NLA)<R>
			SERVO TEST POINT		
E4		VEP02377A	P.C.BOARD W/COMPONENT	1	(NLA)<R>
			REEL SERVO		
E5		VEP03877A	P.C.BOARD W/COMPONENT	1	(NLA)<R> AG-7350-E/B
			VIDEO (1)		
E5		VEP03877B	P.C.BOARD W/COMPONENT	1	(NLA)<R> AG-7150-E/B
			VIDEO (1)		
E6		VEP03878A	P.C.BOARD W/COMPONENT	1	(NLA)<R> AG-7350-E/B
			VIDEO (2)		INCLUDING THE
					CCD UNIT (VEP03880A)
E35		VEP03880A	P.C.BOARD W/COMPONENT	1	(NLA)<R> AG-7350-E/B
			CCD UNIT		PARTS LIST IS
					INCLUDED IN
					VIDEO (2) (VEP03878A)
E6		VEP03878B	P.C.BOARD W/COMPONENT	1	(NLA)<R> AG-7150-E/B
			VIDEO (2)		INCLUDING THE
					CCD UNIT (VEP03880A)
E35		VEP03880A	P.C.BOARD W/COMPONENT	1	(NLA)<R> AG-7150-E/B
			CCD UNIT		PARTS LIST IS
					INCLUDED IN
					VIDEO (2) (VEP03878A)
E7		VEP03879A	P.C.BOARD W/COMPONENT	1	(NLA)<R> AG-7350-E/B
			VIDEO (3)		INCLUDING THE
					CCD PACK (1)
					(VEP00R78A)
					CCD PACK (2)
					(VEP00R78B)
E38		VEP00R78A	P.C.BOARD W/COMPONENT	1	(NLA)<R> AG-7350-E/B
			CCD PACK (1)		PARTS LIST IS
E16		VEP01502A	P.C.BOARD W/COMPONENT	1	(NLA)<R>
			SWITCHING POWER SUPPLY		
E17		VEP01503A	P.C.BOARD W/COMPONENT	1	(NLA)<R>
			POWER SUPPLY SUB		
E18		VEP01478B	P.C.BOARD W/COMPONENT	1	(NLA)<R>
			AC PLUG		
E19		VEP01471A	P.C.BOARD W/COMPONENT	1	(NLA)<R>
			POWER DETECT		
E20		VEP04344A	P.C.BOARD W/COMPONENT	1	(NLA)<R> AG-7350-E/B
			REAR JACK		
E20		VEP04344B	P.C.BOARD W/COMPONENT	1	(NLA)<R> AG-7150-E/B
			REAR JACK		
E21		VEP06538C	P.C.BOARD W/COMPONENT	1	(NLA)<R>
			34PIN		
E22		VEK5556	P.C.BOARD W/COMPONENT	1	(NLA)<R>
			SEARCH DIAL UNIT		

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
E23		VEK3578	P.C.BOARD W/COMPONENT	1	(NLA)<R>
			PHOTO TR (L) UNIT		
E24		VEK4058	P.C.BOARD W/COMPONENT	1	(NLA)<R>
			PHOTO TR (R) UNIT		
E58		VEK2657	P.C.BOARD W/COMPONENT	1	(NLA)<R>
			TENSION SENSOR UNIT		
E76		VEK4265	P.C.BOARD W/COMPONENT	1	(NLA)<R>
			REV. TENSION SENSOR UNIT		
E93		VEK4163	P.C.BOARD W/COMPONENT	1	(NLA)<R>
			MOTOR BASE		
	■	VEP06729D	P.C.BOARD W/COMPONENT		INCLUDING THE
			SERVO / SYSTEM CONTROL		SERVO VR (VEP00R51B)
BAT6001		VSB0004	BATTERY	1	
C1901,02		ECEA1EU331	E.CAPACITOR 25V 330U	2	
C1903		ECEA1VKA470	E.CAPACITOR 35V 47U	1	
C1904		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C1905		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C1906		ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C1907		ECUM1H271KBN	C.CAPACITOR CH 50V 270P	1	
C1908-10		ECEA1HKA010	E.CAPACITOR 50V 1U	3	
C1911		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C1912,13		ECEA1EU221	E.CAPACITOR 25V 220U	2	
C1914		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C1915		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C2001		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2002		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2003		ECQB1H683JF	P.CAPACITOR 50V 0.068U	1	
C2004		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C2005,06		ECEA1CKA470	E.CAPACITOR 16V 47U	2	
C2007		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2008		ECQB1H332JF	P.CAPACITOR 50V 3300P	1	
C2009		ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C2010		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2011		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C2013		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C2015,16		ECEA1CKA100	E.CAPACITOR 16V 10U	2	
C2017		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2018		ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C2019		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C2020		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2022,23		ECQV1H564JZ	P.CAPACITOR 50V 0.56U	2	
C2027		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C2028		ECQB1H333JF	P.CAPACITOR 50V 0.033U	1	
C2029		ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C2030		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2031		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C2032		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C2033		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2034		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2035		ECEA1HKAR22	E.CAPACITOR 50V 0.22U	1	
C2036		ECQB1H222JF	P.CAPACITOR 50V 2200P	1	
C2037,38		ECEA1CKA100	E.CAPACITOR 16V 10U	2	
C2039		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C2040,41		ECEA1CKA330	E.CAPACITOR 16V 33U	2	
C2042		ECEA10Z47	E.CAPACITOR 10V 47U	1	
C2043,44		ECEA1HKA3R3	E.CAPACITOR 50V 3.3U	2	
C2045,46		ECQB1H472JF	P.CAPACITOR 50V 4700P	2	
C2047		ECQB1H223JF	P.CAPACITOR 50V 0.022U	1	
C2048		ECEA1HKA3R3	E.CAPACITOR 50V 3.3U	1	
C2049		ECUM1H123KBN	C.CAPACITOR CH 50V 0.012U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C2050	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C2051	ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2052	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2053	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C2054	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2055	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C2056	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2057,58	ECUM1H271KBN	C.CAPACITOR CH 50V 270P	2	
C2059	ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2060	ECEA1EU101	E.CAPACITOR 25V 100U	1	
C2061	ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C2062-64	ECEA1HKA0R1	E.CAPACITOR 50V 0.1U	3	
C2065	ECQB1H683JF	P.CAPACITOR 50V 0.068U	1	
C2066-68	ECEA1EKN4R7	E.CAPACITOR 25V 4.7U	3	
C2069	ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C2070	ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C2071	ECEA1EU101	E.CAPACITOR 25V 100U	1	
C2072	ECQB1H333JF	P.CAPACITOR 50V 0.033U	1	
C2073	ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C2074-76	ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	3	
C2077-79	ECQB1H332JF	P.CAPACITOR 50V 3300P	3	
C2080-82	ECQB1H333JF	P.CAPACITOR 50V 0.033U	3	
C2083	ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C2084	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2085,86	ECEA1EU101	E.CAPACITOR 25V 100U	2	
C2087	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2088	ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C2089	ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2090	ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	1	
C2091	ECQV1H474JZ	P.CAPACITOR 50V 0.47U	1	
C2092	ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C2093	ECEA1CKA330	E.CAPACITOR 16V 33U	1	
C2094,95	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C2096,97	ECUM1H271KBN	C.CAPACITOR CH 50V 270P	2	
C2098,99	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C2100-06	ECUM1H271KBN	C.CAPACITOR CH 50V 270P	7	
C2107	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C2108,09	ECQB1H104JF	P.CAPACITOR 50V 0.1U	2	
C2110	ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C2111	ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C2113	ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2114	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2115	ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C2116,17	ECUM1H561JCN	C.CAPACITOR CH 50V 560P	2	
C6001	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6002	ECUM1H182KBN	C.CAPACITOR CH 50V 1800P	1	
C6003	ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C6004-06	ECQB1H104JF	P.CAPACITOR 50V 0.1U	3	
C6007	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C6008	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6009	ECEA1CU102	E.CAPACITOR 16V 1000U	1	
C6010	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6011	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C6012	ECEA1CU102	E.CAPACITOR 16V 1000U	1	
C6014	ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C6015	ECEA1EKA470	E.CAPACITOR 25V 47U	1	
C6016,17	ECQB1H104JF	P.CAPACITOR 50V 0.1U	2	
C6018	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C6019	ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C6020	ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C6021	ECEA1CN101S	E.CAPACITOR 16V 100U	1	
C6022	ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C6023	ECQV1H224JZ	P.CAPACITOR 50V 0.22U	1	
C6024	ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C6025,26	ECEA1ASS332Z	E.CAPACITOR 10V 3300U	2	
C6027	ECQV1H224JZ	P.CAPACITOR 50V 0.22U	1	
C6028	ECQB1H333JF	P.CAPACITOR 50V 0.033U	1	
C6029	ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C6030	ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C6031	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6032	ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C6033,34	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C6035,36	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C6037,38	ECEA1CKA470	E.CAPACITOR 16V 47U	2	
C6039	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C6040	ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C6041	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6043	ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C6044-46	ECUM1H271KBN	C.CAPACITOR CH 50V 270P	3	
C6048	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C6049,50	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C6051	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C6052	ECUM1H272KBN	C.CAPACITOR CH 50V 2700P	1	
C6053	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6054	ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C6056	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6057	ECEA1ASS332Z	E.CAPACITOR 10V 3300U	1	
C6059,60	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
D1901	MA4100M	DIODE	1	<R>
D1902	MA4110M	DIODE	1	<R>
D1903,04	11EQS04	DIODE	2	<R>
D1905	MA151K	DIODE	1	<R>
D2001-04	MA151K	DIODE	4	<R>
D2005	MA178	DIODE	1	<R>
D2006	MA151K	DIODE	1	<R>
D2008	MA151K	DIODE	1	<R>
D2009	MA151WA	DIODE	1	<R>
D2010	MA4180M	DIODE	1	<R>
D2011,12	MA151K	DIODE	2	<R>
D2013	MA4130L	DIODE	1	<R>
D2014	MA151WA	DIODE	1	<R>
D2015,16	MA151K	DIODE	2	<R>
D2018-20	11EQS04	DIODE	3	<R>
D2021	MA3030L	DIODE	1	<R>
D2022	MA178	DIODE	1	<R>
D6001	11EQS04	DIODE	1	<R>
D6002	MA170	DIODE	1	<R>
D6003,04	MA151K	DIODE	2	<R>
D6005	10E1	DIODE	1	<R>
D6006	MA151WA	DIODE	1	<R>
D6007,08	MA151K	DIODE	2	<R>
D6009	11EQS04	DIODE	1	<R>
D6010-12	MA151K	DIODE	3	<R>
D6013	10E1	DIODE	1	<R>
D6014	MA151K	DIODE	1	<R>
D6017,18	MA151K	DIODE	2	<R>
D6019,20	11EQS04	DIODE	2	<R>
D6021	MA151K	DIODE	1	<R>
D6022	11EQS04	DIODE	1	<R>
D6023	MA151K	DIODE	1	<R>
D6027	MA4130L	DIODE	1	<R>
D6028	10E1	DIODE	1	<R>
D6030	MA165VT	DIODE	1	<R>
IC1901	BA6149LS	IC	1	<R>
IC2001	MN6742VCRQ	IC	1	<R>
IC2002	MC14053BF	IC	1	<R>
IC2003	AN3726K	IC	1	<R>
IC2005	NJM2233BMA	IC	1	<R>
IC2006	LM393PS	IC	1	<R>
IC2008	LM358PS	IC	1	<R>
IC2009	BA6435S	IC	1	<R>
IC2010	MN1280R	IC	1	<R>
IC2011	AN7810S	IC	1	<R>
IC2012	AN3815K	IC	1	<R>
IC2013	LM393PS	IC	1	<R>
IC2014	LM358PS	IC	1	<R>
IC2015	MC14013BF	IC	1	<R>
IC2016	LM393PS	IC	1	<R>
IC6001	MC14093BF	IC	1	<R>
IC6002	MN1280R	IC	1	<R>
IC6003	LM339NS	IC	1	<R>
IC6004	MN188166VMCF	IC	1	<R>
IC6005	M54649L	IC	1	<R>
IC6006	MN4019BS	IC	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
IC6007		LM393PS	IC	1	<R>
IC6008		MN1280R	IC	1	<R>
IC6009		AN78M12	IC	1	<R>
IC6010		MN4019BS	IC	1	<R>
IC6011		LM339NS	IC	1	<R>
IC6012		MN1280R	IC	1	<R>
J2001,02		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
J2004-08		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	5	
J2010		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
J2012		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
J6003		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
J6007		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
L1901,02		ELC10E014	COIL	2	
L1903		VLQ0460	COIL	1	
L2001		VLQ0460	COIL	1	
L2002		VLQEL05K102J	COIL 1UH	1	
L2003-05		VLQ0460	COIL	3	
L2006-10		VLQEL05K221J	COIL 220UH	5	
L2011-13		VLQ0460	COIL	3	
L6001		VLQEL05K471J	COIL 470UH	1	
L6002		VLQEL05K150J	COIL 15UH	1	
L6003-06		VLQEL05K221J	COIL 220UH	4	
L6007		VLQ0460	COIL	1	
P2001		VJP1230T	CONNECTOR(MALE) 3P	1	
P2002		VJP1233T	CONNECTOR(MALE) 6P	1	
P2003		VJP1237T	CONNECTOR(MALE) 10P	1	
P2004		VJP1932T	CONNECTOR(MALE) 15P	1	
P2201,02		VJR0477	PACK PIN	2	
P6001-03		VJS2123	CONNECTOR(FEMALE) 18P	3	
P6004		VJP1237T	CONNECTOR(MALE) 10P	1	
P6005		VJP1511T	CONNECTOR(MALE) 11P	1	
P6006		VJP1232T	CONNECTOR(MALE) 5P	1	
P6007		VJS2650A004Z	CONNECTOR(FEMALE)	1	
P6008		VJP1235T	CONNECTOR(MALE) 8P	1	
P6009		VJP1511T	CONNECTOR(MALE) 11P	1	
P6010		VJP1230G	CONNECTOR(MALE) 3P	1	
P6011		VJP1237T	CONNECTOR(MALE) 10P	1	
P6012		VJP1239T	CONNECTOR(MALE) 12P	1	
Q1901		2SD1275	TRANSISTOR	1	<R>
Q1902,03		2SB772	TRANSISTOR	2	(P,Q,R)<R>
Q2001		2SD1275	TRANSISTOR	1	<R>
Q2002		MSB710-R	TRANSISTOR	1	<R>
Q2003,04		MSD601-R	TRANSISTOR	2	<R>
Q2005		MSC2295-B	TRANSISTOR	1	<R>
Q2006-08		MSD601-R	TRANSISTOR	3	<R>
Q2010,11		MSD601-R	TRANSISTOR	2	<R>
Q6001		2SD638	TRANSISTOR	1	(Q,R,S)<R>
Q6002		MSB710-R	TRANSISTOR	1	<R>
Q6003,04		2SB819	TRANSISTOR	2	(Q,R,S)<R>
Q6005,06		MSD601-R	TRANSISTOR	2	<R>
Q6007		2SD636-R	TRANSISTOR	1	(R)<R>
Q6009		MSB710-R	TRANSISTOR	1	<R>
Q6010-12		MSD601-R	TRANSISTOR	3	<R>
Q6013		2SB819	TRANSISTOR	1	(Q,R,S)<R>
Q6014,15		MSD601-R	TRANSISTOR	2	<R>
Q6016		2SB941	TRANSISTOR	1	<R>
Q6017		2SD1273	TRANSISTOR	1	<R>
Q6018		MSD601-R	TRANSISTOR	1	<R>
Q6024		2SD1273	TRANSISTOR	1	<R>
QR2001		MRN1402	TRANSISTOR	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
QR2003		MRN1404	TRANSISTOR	1	<R>
QR2005-07		MRN1404	TRANSISTOR	3	<R>
QR2011		MRN1404	TRANSISTOR	1	<R>
QR6001		MRN1403	TRANSISTOR	1	<R>
QR6002,03		MRN1404	TRANSISTOR	2	<R>
QR6004		DTA143XK-T97	TRANSISTOR-RESISTOR	1	<R>
QR6006		MRN1402	TRANSISTOR	1	<R>
QR6007		MRN1404	TRANSISTOR	1	<R>
QR6008		MRN2404	TRANSISTOR	1	<R>
QR6009		MRN2402	TRANSISTOR	1	<R>
QR6010		MRN1404	TRANSISTOR	1	<R>
QR6011		MRN2404	TRANSISTOR	1	<R>
QR6012		MRN1403	TRANSISTOR	1	<R>
QR6013		MRN1404	TRANSISTOR	1	<R>
QR6014		UN2215	TRANSISTOR-RESISTOR	1	<R>
QR6015-18		MRN1404	TRANSISTOR	4	<R>
QR6019,20		MRN2402	TRANSISTOR	2	<R>
QR6021-24		MRN1404	TRANSISTOR	4	<R>
QR6025		MRN2404	TRANSISTOR	1	<R>
QR6026-30		MRN1404	TRANSISTOR	5	<R>
QR6040		DTC144EK	TRANSISTOR-RESISTOR	1	<R>
QR6041		DTA143XK-T97	TRANSISTOR-RESISTOR	1	<R>
R1901		ERQ12HJ3R9P	F.RESISTOR 1/2W 3.9	1	
R1902		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R1903		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R1904,05		ERJ6GEYJ154	M.RESISTOR CH 1/10W 150K	2	
R1906		ERX12SJR82	M.RESISTOR 1/2W 0.82	1	
R1907		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R1908		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R1909		ERX12SJR82	M.RESISTOR 1/2W 0.82	1	
R1910		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R1911		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R2001		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R2002		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R2003		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R2004		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2005		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R2006		ERJ6GEYJ154	M.RESISTOR CH 1/10W 150K	1	
R2007		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R2008		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2013-15		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	3	
R2016		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R2017,18		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	2	
R2019		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R2020		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R2021		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2022		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R2024		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R2025,26		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R2027		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R2029		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2030		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R2031		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R2032		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R2033		ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R2034		ERJ6GEYG241	M.RESISTOR CH 1/10W 240	1	
R2035		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2036		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R2037		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R2038		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R2039		ERJ6GEYJ474	M.RESISTOR CH 1/10W 470K	1	
R2040		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R2041		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R2042		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2043		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R2044,45		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R2046,47		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	2	
R2048		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2049		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R2050		ERJ6GEYJ474	M.RESISTOR CH 1/10W 470K	1	
R2051		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R2052		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R2053	ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R2054	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2055	ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R2056	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R2057	ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R2058	ERJ6GEYJ151	M.RESISTOR CH 1/10W 150	1	
R2059	ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R2060	ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R2061,62	ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	2	
R2063	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R2064	ERJ6GEYJ683	M.RESISTOR CH 1/10W 68K	1	
R2065	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2066	ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2067	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R2068	ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R2069	ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R2070	ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R2071,72	ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	2	
R2073	ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R2088	ERX12SJR68	M.RESISTOR 1/2W 0.68	1	
R2089	ERJ6GEYG752	M.RESISTOR CH 1/10W 7.5K	1	
R2090	ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R2093	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R2094,95	ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	2	
R2096	ERX12SJR56	M.RESISTOR 1/2W 0.56	1	
R2097	ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	1	
R2098	ERJ6GEYJ680	M.RESISTOR CH 1/10W 68	1	
R2099-01	ERDS2TJ150	C.RESISTOR 1/4W 15	3	
R2102,03	ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	2	
R2104	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R2105	ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R2106	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2107	ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R2108,09	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R2110	ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R2112	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2113	ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R2116	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R2119	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2120	ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R2121	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R2122	ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R2123	ERJ6GEYJ124	M.RESISTOR CH 1/10W 120K	1	
R2125	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R2127	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R6001	ERDS2TJ391	C.RESISTOR 1/4W 390	1	
R6004	ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R6005	ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R6006	ERJ6GEYJ564	M.RESISTOR CH 1/10W 560K	1	
R6007	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R6008	ERDS1TJ153	C.RESISTOR 1/2W 15K	1	
R6009	ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R6010,11	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R6012	ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R6013	ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R6014	ERJ6GEYJ564	M.RESISTOR CH 1/10W 560K	1	
R6015	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R6016	ERJ6GEYJ564	M.RESISTOR CH 1/10W 560K	1	
R6017	ERJ6GEYJ683	M.RESISTOR CH 1/10W 68K	1	
R6018	ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R6019,20	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R6021	ERJ6GEYJ683	M.RESISTOR CH 1/10W 68K	1	
R6022	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R6023	ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R6024	ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R6025	ERJ6GEYJ564	M.RESISTOR CH 1/10W 560K	1	
R6026,27	ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	2	
R6028	ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R6029	ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R6030	ERJ6GEYJ564	M.RESISTOR CH 1/10W 560K	1	
R6031	ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R6032	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R6033	ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R6034	ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R6035	ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6036	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R6037	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R6038	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R6039	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R6040	ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R6041	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R6042	ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R6043,44	ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	2	
R6045	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R6046	ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R6047	ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R6048,49	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R6050	ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R6051	ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R6052	ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R6053	ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R6054	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R6055-58	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	4	
R6060	ERJ6GEYJ181	M.RESISTOR CH 1/10W 180	1	
R6061	ERD2FCVG220	C.RESISTOR 2W 22	1	
R6062	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R6063	ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R6064	ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R6065,66	ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	2	
R6067-73	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	7	
R6074,75	ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	2	
R6076	ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R6077	ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R6078	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R6079	ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R6080	ERDS2TJ151	C.RESISTOR 1/4W 150	1	
R6081	ERJ6GEYJ683	M.RESISTOR CH 1/10W 68K	1	
R6082,83	ERG1SJ300	M.RESISTOR 1W 30	2	
R6084	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R6085	ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R6086,87	ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	2	
R6088	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R6089	ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R6090	ERDS1TJ2R2	C.RESISTOR 1/2W 2.2K	1	
R6091,92	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R6093	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R6094	ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R6095-98	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	4	
R6099	ERDS2TJ333	C.RESISTOR 1/4W 33K	1	
R6100	ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R6101	ERJ6GEYJ474	M.RESISTOR CH 1/10W 470K	1	
R6102	ERJ6GEYJ121	M.RESISTOR CH 1/10W 120	1	
R6103	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R6104,05	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R6106	ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R6109	ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R6110	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R6114	ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R6115	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R6116	ERJ6GEYJ823	M.RESISTOR CH 1/10W 82K	1	
R6117	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R6118	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R6119-27	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	9	
R6131	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R6132	ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R6133	ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R6134	ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R6135	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R6136	ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R6137	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R6138	ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R6139	ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R6140	ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R6141	ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R6144	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R6150	ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
SW6001	VSSO240	SWITCH	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
T6001		EIQ7QF002B	IF TRANSFORMER	1	
VR2001		EVMF6SA00B15	V.RESISTOR 100K	1	
VR2003		EVMF6SA00B15	V.RESISTOR 100K	1	
VR2201		EVMF6SA00B54	V.RESISTOR 50K	1	
VR2202		EVMF6SA00B15	V.RESISTOR 100K	1	
VR2203		EVMF6SA00B54	V.RESISTOR 50K	1	
VR2204-06		EVMF6SA00B15	V.RESISTOR 100K	3	
VR2207		EVMF6SA00B54	V.RESISTOR 50K	1	
VR2208		EVMF6SA00B23	V.RESISTOR 2K	1	
X1901		VSX0136	CRYSTAL OSCILLATOR	1	<R>
X2001		VSX0296	CRYSTAL OSCILLATOR	1	<R>
X6001		VSX0230	CRYSTAL OSCILLATOR	1	<R>
			MISCELLANEOUS		
E25		VMC0075	HEAT SINK ANGLE	1	
E26		VMX0985	SPACER	2	
E27		VM20960	HEAT SINK BARRIER	1	
E28		VSC1068	HEAT SINK	1	
E29		VSC1689	HEAT SINK	1	
E30		VSC2761	SHIELD (TOP)	1	
E31		VSC2763	SHIELD (BOTTOM)	1	
E32		VSC3427	SHIELD (MAIN)	1	
E33		XTV3+8F	SCREW	1	
E34		VKC0271	HINGE CLIP	2	
	■	VEP00R80A	P.C.BOARD W/COMPONENT		
			SERVO TEST POINT		
P2203		VJP1233T	CONNECTOR(MALE) 6P	1	
	■	VEP02377A	P.C.BOARD W/COMPONENT		
			REEL SERVO		
C2501		ECQB1H823JF	P.CAPACITOR 50V 0.082U	1	
C2502		ECQB1H222JF	P.CAPACITOR 50V 2200P	1	
C2503		ECEA1CKN220	E.CAPACITOR 16V 22U	1	
C2504		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C2505		ECEA0JKA221	E.CAPACITOR 6.3V 220U	1	
C2506		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C2507		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C2508		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C2509		ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C2510		ECEA1HKN2R2	E.CAPACITOR 50V 2.2U	1	
C2511		ECEA1HKAR22	E.CAPACITOR 50V 0.22U	1	
C2512		ECEA1CKN4R7	E.CAPACITOR 16V 4.7U	1	
C2513		ECEA1HKAR22	E.CAPACITOR 50V 0.22U	1	
C2514		ECEA1HKN4R7	E.CAPACITOR 50V 4.7U	1	
C2515		ECEA1HKN2R2	E.CAPACITOR 50V 2.2U	1	
C2516-18		ECEA1CKA220	E.CAPACITOR 16V 22U	3	
C2519		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C2520		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C2521		ECEA1CKA330	E.CAPACITOR 16V 33U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C2522		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C2523		ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C2524,25		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C2526-28		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	3	
C2529		ECEA1EKA470	E.CAPACITOR 25V 47U	1	
C2530		ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	1	
C2531		ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C2532		ECEA1HKAR47	E.CAPACITOR 50V 0.47U	1	
C2533		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C2534		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2535,36		ECEA1CKA100	E.CAPACITOR 16V 10U	2	
C2537,38		ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	2	
C2539,40		ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	2	
C2541-43		ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	3	
C2544		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C2545		ECEA1EKA470	E.CAPACITOR 25V 47U	1	
C2546		ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	1	
C2547		ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C2548		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2549		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C2550		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2551,52		ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	2	
C2553,54		ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	2	
C2555		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C2556-58		ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	3	
C2559		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C2560-64		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	5	
C2565,66		ECEA0JKA101	E.CAPACITOR 6.3V 100U	2	
C2578		ECEA1HKAR47	E.CAPACITOR 50V 0.47U	1	
D2501-04		MA151WK	DIODE	4	<R>
D2506-09		MA151K	DIODE	4	<R>
IC2501		AN3621NK	IC	1	<R>
IC2502		MN15542VMN	IC	1	<R>
IC2503,04		AN3834K	IC	2	<R>
IC2505		MN1280R	IC	1	<R>
IC2506		LM358P	IC	1	<R>
IC2507		LM324N	IC	1	<R>
IC2508		MC14053BCP	IC	1	<R>
IC2509		LM393P	IC	1	<R>
IC2510		MC14053BCP	IC	1	<R>
IC2511,12		MC14069UBCP	IC	2	<R>
IC2513		LM393P	IC	1	<R>
L2501,02		VLQ0460	COIL	2	
P2501		VJP1230R	CONNECTOR(MALE) 3P	1	
P2502		VJP1230T	CONNECTOR(MALE) 3P	1	
P2503		VJP1511T	CONNECTOR(MALE) 11P	1	
P2505,06		VJS1412	CONNECTOR(FEMALE) 15P	2	
P2507		VJP1232T	CONNECTOR(MALE) 5P	1	
Q2501		2SD636	TRANSISTOR	1	<R>
QR2501-04		MRN1404	TRANSISTOR	4	<R>
QR2505,06		MRN2404	TRANSISTOR	2	<R>
QR2507		MRN1404	TRANSISTOR	1	<R>
QR2508		UN2215	TRANSISTOR-RESISTOR	1	<R>
QR2509,10		MRN1404	TRANSISTOR	2	<R>
QR2511		UN2215	TRANSISTOR-RESISTOR	1	<R>
QR2512		MRN1404	TRANSISTOR	1	<R>
QR2513,14		MRN2404	TRANSISTOR	2	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
QR2515-18		MRN1404	TRANSISTOR	4	<R>
R2501		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R2502		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R2503		ERJ6GEYJ394	M.RESISTOR CH 1/10W 390K	1	
R2504		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2505,06		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	2	
R2507		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R2508		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R2509		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R2510		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R2511		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R2512		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R2513		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R2514,15		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R2516		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R2517		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R2518		ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R2519		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2520		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R2521		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R2522		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R2523		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2524		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R2525		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2526		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R2527		ERJ6GEYJ823	M.RESISTOR CH 1/10W 82K	1	
R2528		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R2529		ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R2530		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R2531		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R2532		ERJ6GEYG182	M.RESISTOR CH 1/10W 1.8K	1	
R2533		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R2534		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R2535		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R2536		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R2537		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R2538		ERJ6GEYG363	M.RESISTOR CH 1/10W 36K	1	
R2539		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R2540		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R2541		ERJ6GEYJ184	M.RESISTOR CH 1/10W 180K	1	
R2542		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R2543		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R2544		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R2545		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R2546		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R2547		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R2548		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R2549-53		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	5	
R2554		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R2555		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R2556		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R2557		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R2558		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2559		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R2560-64		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	5	
R2565,66		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	2	
R2567		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2568		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R2569		ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R2570,71		ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	2	
R2572		ERJ6GEYG182	M.RESISTOR CH 1/10W 1.8K	1	
R2573		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R2574		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R2575,76		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R2577		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R2578,79		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R2580		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2581		ERX12SJ1R0	M.RESISTOR 1/2W 1	1	
R2582		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	1	
R2583		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R2584		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R2585		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R2586		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R2587		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R2588		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R2589		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R2591,92		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	2	
R2593		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R2594		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2595		ERX12SJR56	M.RESISTOR 1/2W 0.56	1	
R2596		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	1	
R2597		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R2598		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R2599		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R2600		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R2602,03		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	2	
R2604		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R2605		ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	1	
R2606		ERJ6GEYG202	M.RESISTOR CH 1/10W 2K	1	
R2607		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R2608		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
RA2501,02		EXBLD4103G	COMBI R-R	2	
X2501		VSX0128	CRYSTAL OSCILLATOR	1	<R>
	■	VEP03877A	P.C.BOARD W/COMPONENT		AG-7350-E/B
			VIDEO (1)		
C3001		ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	
C3004		ECUM1H390JCN	C.CAPACITOR CH 50V 39P	1	
C3006		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3007		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3008,09		ECEA1CU220	E.CAPACITOR 16V 22U	2	
C3011		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3012		ECEA1AN220S	E.CAPACITOR 10V 22U	1	
C3013		ECEA1CU220	E.CAPACITOR 16V 22U	1	
C3014,15		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	2	
C3016		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C3017,18		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3020,21		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3022		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3023		ECEA1CU220	E.CAPACITOR 16V 22U	1	
C3024		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3025		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C3026		ECEA1HN4R7S	E.CAPACITOR 50V 4.7U	1	
C3027		ECEA1CU220	E.CAPACITOR 16V 22U	1	
C3028		ECEA1HN2R2S	E.CAPACITOR 50V 2.2U	1	
C3029		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C3031		ECEA1CN100S	E.CAPACITOR 16V 10U	1	
C3032		ECEAOJU331	E.CAPACITOR 6.3V 330U	1	
C3033		ECEA1HU2R2	E.CAPACITOR 50V 2.2U	1	
C3034		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C3035		ECEA1HU4R7	E.CAPACITOR 50V 4.7U	1	
C3036		ECEAOJU101	E.CAPACITOR 6.3V 100U	1	
C3037		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C3038		ECEA1EKN4R7	E.CAPACITOR 25V 4.7U	1	
C3039		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C3040		ECEA1CN100S	E.CAPACITOR 16V 10U	1	
C3041		ECUM1H473ZFN	C.CAPACITOR CH 50V 0.047U	1	
C3042		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3043		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3044		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C3045		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C3046		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C3047		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C3048		ECUM1H391JCN	C.CAPACITOR CH 50V 390P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3050	ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C3051,52	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3053	ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C3054	ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C3055-57	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C3058	ECEA1CN100S	E.CAPACITOR 16V 10U	1	
C3059	ECEA1CU100	E.CAPACITOR 16V 10U	1	
C3060	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3061,62	ECEA1CN100S	E.CAPACITOR 16V 10U	2	
C3063	ECEA1CU100	E.CAPACITOR 16V 10U	1	
C3064	ECEA1CN220S	E.CAPACITOR 16V 22U	1	
C3065	ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3066	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3068	ECEA0JU101	E.CAPACITOR 6.3V 100U	1	
C3069	ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C3070	ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3071	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3072	ECEA1CU101	E.CAPACITOR 16V 100U	1	
C3074	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3075	ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3076	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3077	ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3078	ECEA1HU010	E.CAPACITOR 50V 1U	1	
C3082	ECEA1CU100	E.CAPACITOR 16V 10U	1	
C3083-86	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C3087	ECUM1H030DCN	C.CAPACITOR CH 50V 3P	1	
C3088,89	ECUM1H181JCN	C.CAPACITOR CH 50V 180P	2	
C3090	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3091	ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C3092	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3093	ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C3094	ECUM1C224ZFN	C.CAPACITOR CH 16V 0.22U	1	
C3095	ECUM1H681JCN	C.CAPACITOR CH 50V 680P	1	
C3096	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3097	ECUM1H020DCN	C.CAPACITOR CH 50V 2P	1	
C3098	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3099	ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C3100	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3102	ECUM1H391JCN	C.CAPACITOR CH 50V 390P	1	
C3103	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3104	ECEA1HU3R3	E.CAPACITOR 50V 3.3U	1	
C3105-07	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C3108	ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3109-12	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C3113	ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3114,15	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3116	ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C3117	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3118	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3119,20	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3121	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3122	ECEA1CU220	E.CAPACITOR 16V 22U	1	
C3123	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3124	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3125	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
C3126-29	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C3130	ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C3131	ECEA1CU100	E.CAPACITOR 16V 10U	1	
C3132	ECUM1H271JCN	C.CAPACITOR CH 50V 270P	1	
C3134	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3135	ECQV1H564JZ	P.CAPACITOR 50V 0.56U	1	
C3136	ECQV1H394JZ	P.CAPACITOR 50V 0.39U	1	
C3137	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3138	ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C3139	ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C3140	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3141	ECCF1H270JC	C.CAPACITOR 50V 27P	1	
D3002,03	MA151K	DIODE	2	<R>
D3004	MA151WK	DIODE	1	<R>
D3005,06	MA151K	DIODE	2	<R>
D3007	MA151WK	DIODE	1	<R>
D3008	1SS283	DIODE	1	<R>

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
FL3001	VLF0499	FILTER	1	
FL3002	ELB41121	FILTER	1	
FL3003	VLF0878	FILTER	1	
FL3004	VLF0639	FILTER	1	
FL3005	ELB4M022	FILTER	1	
FL3006	ELB5A066	FILTER	1	
FL3007	ELB4R031	FILTER	1	
FL3008,09	ELB4K114	FILTER	2	
IC3001	NJM2233BMA	IC	1	<R>
IC3002	MN74HC4053S	IC	1	
IC3003	NJM2233BMA	IC	1	<R>
IC3004	VEFH07C	IC	1	<R>
IC3005	M52065FP	IC	1	<R>
IC3006	VEFH05BT	IC	1	<R>
IC3007	M52054SP	IC	1	<R>
IC3008	AN6308S	IC	1	<R>
JW3001	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
L3002	VLQEL05S121J	COIL 120UH	1	
L3003-05	VLQEL05S101J	COIL 100UH	3	
L3006,07	VLP0083	COIL	2	
L3008	VLQEL05S330J	COIL 33UH	1	
L3009	VLQEL05S220J	COIL 22UH	1	
L3010	VLQEL05S820J	COIL 82UH	1	
L3011	VLQEL05S101J	COIL 100UH	1	
L3012,13	VLQEL05S151J	COIL 150UH	2	
L3014	VLQEL05S101J	COIL 100UH	1	
L3015	VLP0083	COIL	1	
L3016	VLQEL05S101J	COIL 100UH	1	
L3020,21	VLQEL05S5R6J	COIL 5.6UH	2	
L3022	VLQEL05S101J	COIL 100UH	1	
L3023	VLQEL05S120J	COIL 12UH	1	
L3024	VLQEL05S270J	COIL 27UH	1	
L3025	VLQEL05S181J	COIL 180UH	1	
L3026	VLQEL05S101J	COIL 100UH	1	
L3027,28	VLQEL05S100J	COIL 10UH	2	
L3029	VLQEL05S220J	COIL 22UH	1	
L3030,31	VLQEL05S101J	COIL 100UH	2	
L3033	VLQEL05S560J	COIL 56UH	1	
L3034	VLQEL05S6R8J	COIL 6.8UH	1	
L3035	VLQEL05S4R7J	COIL 4.7UH	1	
L3036	VLQEL05S151J	COIL 150UH	1	
L3037	VLQEL05S220J	COIL 22UH	1	
L3038	VLQEL05T681J	COIL 680UH	1	
P3001	VJP1238T	CONNECTOR(MALE) 11P	1	
P3002	VJP3176B064	CONNECTOR (MALE)	1	
Q3001,02	MSD601-R	TRANSISTOR	2	
Q3005	MSD601-R	TRANSISTOR	1	
Q3008	MSC2295-B	TRANSISTOR	1	
Q3009	MSB709-R	TRANSISTOR	1	
Q3010	2SA1022	TRANSISTOR	1	(B)<R>
Q3011	MSC2295-B	TRANSISTOR	1	
Q3012	2SD1330	TRANSISTOR	1	<R>
Q3013	MSB709-R	TRANSISTOR	1	
Q3014	MSC2295-B	TRANSISTOR	1	
Q3015-18	MSD601-R	TRANSISTOR	4	
Q3019-21	MSC2295-B	TRANSISTOR	3	
Q3022	MSB709-R	TRANSISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q3023-25	MSC2295-B	TRANSISTOR	3	
Q3027	MSC2295-B	TRANSISTOR	1	
Q3028,29	MSD601-R	TRANSISTOR	2	
Q3030	MSC2295-B	TRANSISTOR	1	
QR3001-03	MRN1404	TRANSISTOR	3	
QR3004	UN2110	TRANSISTOR-RESISTOR	1	
QR3005	UN1113	TRANSISTOR-RESISTOR	1	
QR3006	MRN1404	TRANSISTOR	1	
QR3008	MRN1403	TRANSISTOR	1	
QR3013	MRN1404	TRANSISTOR	1	
QR3014	DTC363EK	TRANSISTOR-RESISTOR	1	
QR3015-20	MRN1404	TRANSISTOR	6	
QR3021	MRN2404	TRANSISTOR	1	
QR3022	MRN1404	TRANSISTOR	1	
R3001	ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3002	ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3003	ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R3005	ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R3007	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3008	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R3009	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3010	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3011	ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R3012	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R3013	ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R3014	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3015	ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R3016,17	ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	2	
R3018	ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R3019	ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3020	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3021,22	ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	2	
R3023-25	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	3	
R3026	ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3027	ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3028	ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	1	
R3029	ERJ6GEYJ112	M.RESISTOR CH 1/10W 1.1K	1	
R3031	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3032	ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R3033	ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R3034	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3035	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3036,37	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3038	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3040	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3041	ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3042	ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R3043	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3044	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3045	ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3046	ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R3047	ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3048	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3049	ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3050	ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R3051	ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3052	ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3053	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3054	ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R3055,56	ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	2	
R3057	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3058	ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3060	ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R3063	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3064	ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R3065,66	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R3067	ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3068	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3073	ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3074	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3075	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3076	ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R3077	ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R3078,79	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3080	ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R3081	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3082	ERJ6GEYG911	M.RESISTOR CH 1/10W 910	1	
R3085	ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R3089	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3091	ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	1	
R3092	ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3093	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3094-96	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	3	
R3097	ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3099	ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R3100	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3101,02	ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	2	
R3103	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3104	ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3105	ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3106	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3107	ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R3108	ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R3109	ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3110	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3111	ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R3112	ERJ6GEYJ184	M.RESISTOR CH 1/10W 180K	1	
R3113	ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R3114	ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R3115,16	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3119	ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3120	ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R3121	ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3122	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3123	ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3124	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3125	ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R3126	ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3127	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3128	ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3129	ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3130	ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3131	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3132	ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3133	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3134	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3135	ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3136	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3137	ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R3138	ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3141	ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3142	ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R3143	ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R3144	ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R3145	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3146	ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R3147	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3148	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3149	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3150	ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3151	ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R3152	ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R3153	ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R3154	ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3155-58	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	4	
R3161	ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R3162	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3163	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3164	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3165	ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3166	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3167	ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R3168	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3169,70	ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R3171		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3172		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R3173		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R3174		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3175		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3176		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3177		ERDS2TJ682	C.RESISTOR 1/4W 6.8K	1	
VR3001,02		EVN32CA00B13	V.RESISTOR 1K	2	
VR3003-05		EVN32CA00B52	V.RESISTOR 500	3	
VR3006		EVMF6SA00B14	V.RESISTOR 10K	1	
VR3007		EVN32CA00B54	V.RESISTOR 50K	1	
VR3008		EVN32CA00B24	VARIABLE 20K	1	
	■	VEP03877B	P.C.BOARD W/COMPONENT		AG-7150-E/B
			VIDEO (1)		
C3001		ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	
C3004		ECUM1H390JCN	C.CAPACITOR CH 50V 39P	1	
C3006		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3007		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3008,09		ECEA1CU220	E.CAPACITOR 16V 22U	2	
C3011		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3012		ECEA1AN220S	E.CAPACITOR 10V 22U	1	
C3013		ECEA1CU220	E.CAPACITOR 16V 22U	1	
C3014,15		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	2	
C3020		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3022		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3023		ECEA1CU220	E.CAPACITOR 16V 22U	1	
C3024		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3027		ECEA1CU220	E.CAPACITOR 16V 22U	1	
C3028		ECEA1HN2R2S	E.CAPACITOR 50V 2.2U	1	
C3029		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C3031		ECEA1CN100S	E.CAPACITOR 16V 10U	1	
C3032		ECEA0JU331	E.CAPACITOR 6.3V 330U	1	
C3033		ECEA1HU2R2	E.CAPACITOR 50V 2.2U	1	
C3034		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C3035		ECEA1HU4R7	E.CAPACITOR 50V 4.7U	1	
C3036		ECEA0JU101	E.CAPACITOR 6.3V 100U	1	
C3037		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C3038		ECEA1EKN4R7	E.CAPACITOR 25V 4.7U	1	
C3039		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C3040		ECEA1CN100S	E.CAPACITOR 16V 10U	1	
C3041		ECUM1H473ZFN	C.CAPACITOR CH 50V 0.047U	1	
C3057		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3058		ECEA1CN100S	E.CAPACITOR 16V 10U	1	
C3059		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C3060		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3061		ECEA1CN100S	E.CAPACITOR 16V 10U	1	
C3063		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C3064		ECEA1CN220S	E.CAPACITOR 16V 22U	1	
C3065		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3066		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3068		ECEA0JU101	E.CAPACITOR 6.3V 100U	1	
C3069		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C3070		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3071		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3072		ECEA1CU101	E.CAPACITOR 16V 100U	1	
C3074		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3075		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3076		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3077		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3078		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C3086		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3087		ECUM1H030DCN	C.CAPACITOR CH 50V 3P	1	
C3088,89		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	2	
C3090		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C3091		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C3092		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3093		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C3094		ECUM1C224ZFN	C.CAPACITOR CH 16V 0.22U	1	
C3095		ECUM1H681JCN	C.CAPACITOR CH 50V 680P	1	
C3096		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3097		ECUM1H020DCN	C.CAPACITOR CH 50V 2P	1	
C3098		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3099		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C3100		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3102		ECUM1H391JCN	C.CAPACITOR CH 50V 390P	1	
C3103		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3104		ECEA1HU3R3	E.CAPACITOR 50V 3.3U	1	
C3105-07		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C3108		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3109-12		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C3113		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3114,15		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3116		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C3117		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3118		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3119		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3121		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3123		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3124		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3125		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
C3126-29		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C3130		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C3131		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C3132		ECUM1H271JCN	C.CAPACITOR CH 50V 270P	1	
C3134		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3137		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3138		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C3139		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C3140		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3141		ECCF1H270JC	C.CAPACITOR 50V 27P	1	
D3002,03		MA151K	DIODE	2	<R>
D3006		MA151K	DIODE	1	<R>
D3007		MA151WK	DIODE	1	<R>
D3008		1SS283	DIODE	1	<R>
FL3001		VLF0499	FILTER	1	
FL3002		ELB4L121	FILTER	1	
FL3003		VLF0878	FILTER	1	
FL3004		VLF0639	FILTER	1	
FL3005		ELB4M022	FILTER	1	
FL3006		ELB5A066	FILTER	1	
FL3007		ELB4R031	FILTER	1	
FL3008,09		ELB4K114	FILTER	2	
IC3001		NJM2233BMA	IC	1	<R>
IC3003		NJM2233BMA	IC	1	<R>
IC3004		VEFH07C	IC	1	<R>
IC3005		M52065FP	IC	1	<R>
IC3006		VEFH05BT	IC	1	<R>
IC3007		M52054SP	IC	1	<R>
IC3008		AN6308S	IC	1	<R>
JW3001		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
L3002		VLQEL05S121J	COIL 120UH	1	
L3003,04		VLQEL05S101J	COIL 100UH	2	
L3006		VLP0083	COIL	1	
L3008		VLQEL05S330J	COIL 33UH	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L3009	VLQEL05S220J	COIL 22UH	1	
L3011	VLQEL05S101J	COIL 100UH	1	
L3014	VLQEL05S101J	COIL 100UH	1	
L3015	VLP0083	COIL	1	
L3020,21	VLQEL05S5R6J	COIL 5.6UH	2	
L3022	VLQEL05S101J	COIL 100UH	1	
L3023	VLQEL05S120J	COIL 12UH	1	
L3024	VLQEL05S270J	COIL 27UH	1	
L3025	VLQEL05S181J	COIL 180UH	1	
L3026	VLQEL05S101J	COIL 100UH	1	
L3027,28	VLQEL05S100J	COIL 10UH	2	
L3029	VLQEL05S220J	COIL 22UH	1	
L3030,31	VLQEL05S101J	COIL 100UH	2	
L3033	VLQEL05S560J	COIL 56UH	1	
L3037	VLQEL05S220J	COIL 22UH	1	
L3038	VLQEL05T681J	COIL 680UH	1	
P3001	VJP1238T	CONNECTOR(MALE) 11P	1	
P3002	VJP3176B064	CONNECTOR(MALE)	1	
Q3001	MSD601-R	TRANSISTOR	1	<R>
Q3008	MSC2295-B	TRANSISTOR	1	<R>
Q3011	MSC2295-B	TRANSISTOR	1	<R>
Q3012	2SD1330	TRANSISTOR	1	<R>
Q3013	MSB709-R	TRANSISTOR	1	<R>
Q3014	MSC2295-B	TRANSISTOR	1	<R>
Q3015,16	MSD601-R	TRANSISTOR	2	<R>
Q3018	MSD601-R	TRANSISTOR	1	<R>
Q3019-21	MSC2295-B	TRANSISTOR	3	<R>
Q3022	MSB709-R	TRANSISTOR	1	<R>
Q3023-25	MSC2295-B	TRANSISTOR	3	<R>
Q3027	MSC2295-B	TRANSISTOR	1	<R>
QR3001-03	MRN1404	TRANSISTOR	3	<R>
QR3004	UN2110	TRANSISTOR-RESISTOR	1	<R>
QR3005	UN1113	TRANSISTOR-RESISTOR	1	<R>
QR3006	MRN1404	TRANSISTOR	1	<R>
QR3008	MRN1403	TRANSISTOR	1	<R>
QR3013	MRN1404	TRANSISTOR	1	<R>
QR3014	DTC363EK	TRANSISTOR-RESISTOR	1	<R>
QR3018-20	MRN1404	TRANSISTOR	3	<R>
R3001	ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3002	ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3003	ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R3005	ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R3007	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3008	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R3009	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3010	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3011	ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R3012	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R3013	ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R3014	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3015	ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R3016,17	ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	2	
R3018	ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R3019	ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3026	ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3027	ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3028	ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	1	
R3029	ERJ6GEYJ112	M.RESISTOR CH 1/10W 1.1K	1	
R3031	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3034	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3035	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3036,37	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3038	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3040	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3041	ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3042	ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R3043	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3044	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3045	ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3046	ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R3047	ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3066	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3067	ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3068	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3073	ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R3074	EPJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3075	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3076	ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R3080	ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R3081	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3082	ERJ6GEYG911	M.RESISTOR CH 1/10W 910	1	
R3085	ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R3089	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3099	ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R3100	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3101,02	ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	2	
R3103	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3104	ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3105	ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3106	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3107	ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R3108	ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R3109	ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3113	ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R3114	ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R3115,16	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3119	ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3120	ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R3121	ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3122	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3123	ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3124	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3125	ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R3127	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3128	ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3131	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3132	ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3133	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3134	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3135	ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3136	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3137	ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R3138	ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3141	ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3142	ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R3143	ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R3144	ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R3145	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3146	ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R3147	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3148	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3149	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3150	ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3151	ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R3152	ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R3153	ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R3154	ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3155-58	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	4	
R3161	ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R3162	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3163	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3166	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3169,70	ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	2	
R3171	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3172	ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R3173	ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R3174	ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3175	ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R3176		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3177		ERDS2TJ682	C.RESISTOR 1/4W 6.8K	1	
VR3001		EVN32CA00B13	V.RESISTOR 1K	1	
VR3004,05		EVN32CA00B52	V.RESISTOR 500	2	
VR3006		EVMF6SA00B14	V.RESISTOR 10K	1	
VR3007		EVN32CA00B54	V.RESISTOR 50K	1	
	■	VEP03878A	P.C.BOARD W/COMPONENT		AG-7350-E/B
			VIDEO (2)		INCLUDING THE
					CCD UNIT (VEP03880A)
C8001		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8002		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C8003		ECEA1CU220	E.CAPACITOR 16V 22U	1	
C8004		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8005		ECEA0JU221	E.CAPACITOR 6.3V 220U	1	
C8006		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C8007		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C8008		ECEA1HU2R2	E.CAPACITOR 50V 2.2U	1	
C8009		ECEA1HFS4R7	E.CAPACITOR 50V 4.7U	1	
C8010		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C8011		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8012,13		ECQV1H224JZ	P.CAPACITOR 50V 0.22U	2	
C8014		ECEA1HU2R2	E.CAPACITOR 50V 2.2U	1	
C8015		ECEA1EU4R7	E.CAPACITOR 25V 4.7U	1	
C8016		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C8017		ECEAJCU470	E.CAPACITOR 16V 47U	1	
C8018-22		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	5	
C8023		ECEA0JU101	E.CAPACITOR 6.3V 100U	1	
C8024		ECQV1H224JZ	P.CAPACITOR 50V 0.22U	1	
C8025		ECV1ZW20X53T	V.CAPACITOR 20P	1	
C8026		ECUM1H060DCN	C.CAPACITOR CH 50V 6P	1	
C8027,28		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8029		ECQV1H154JZ	P.CAPACITOR 50V 0.15U	1	
C8030		ECUM1H391JCN	C.CAPACITOR CH 50V 390P	1	
C8031		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C8032		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C8033		ECUM1H152KBN	C.CAPACITOR CH 50V 1500P	1	
C8034		ECEA1HU3R3	E.CAPACITOR 50V 3.3U	1	
C8035		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C8037		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C8038,39		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8040,41		ECEA1CU100	E.CAPACITOR 16V 10U	2	
C8042,43		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8044		ECQV1H334JZ	P.CAPACITOR 50V 0.33U	1	
C8045		ECEA1HU4R7	E.CAPACITOR 50V 4.7U	1	
C8046		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8047		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C8048		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C8049		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8050		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C8051		ECEA1EU4R7	E.CAPACITOR 25V 4.7U	1	
C8052		ECEA0JN470S	E.CAPACITOR 6.3V 47U	1	
C8053		ECEA1EU4R7	E.CAPACITOR 25V 4.7U	1	
C8054		ECEA1CU220	E.CAPACITOR 16V 22U	1	
C8055		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C8056		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C8057		ECEA1CU101	E.CAPACITOR 16V 100U	1	
C8058		ECEA1CU220	E.CAPACITOR 16V 22U	1	
C8059		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C8060		ECUM1H473ZFN	C.CAPACITOR CH 50V 0.047U	1	
C8061		ECEA1CU220	E.CAPACITOR 16V 22U	1	
C8062,63		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8064		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C8065		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8066		ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C8067		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8068		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C8069,70		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8071		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C8072		ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U	1	
C8073		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8074		ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C8075,76		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8077		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C8078		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C8079		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8080		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C8081		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C8082		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8083		ECEA0JU221	E.CAPACITOR 6.3V 220U	1	
C8084,85		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8089,90		ECUM1H333ZFN	C.CAPACITOR CH 50V 0.033U	2	
C8092		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8095		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C8097		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8098		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C8099,00		ECEA0JN470S	E.CAPACITOR 6.3V 47U	2	
C8101		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C8102		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8103		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C8104		ECEA0JU221	E.CAPACITOR 6.3V 220U	1	
C8105		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8106		ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	
C8107,08		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8109		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C8110		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C8112-14		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C8115		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C8116		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C8117		ECCF1H560JC	C.CAPACITOR 50V 56P	1	
C8501		ECEA1HKS010	E.CAPACITOR 50V 1U	1	
C8502		ECEA1CKS470	E.CAPACITOR 16V 47U	1	
C8503		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8504		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C8505		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8506		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C8507		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8508		ECEA1HKSR22	E.CAPACITOR 50V 0.22U	1	
C8509,10		ECEA1EKS3R3	E.CAPACITOR 25V 3.3U	2	
C8511		ECEA0JKN470	E.CAPACITOR 6.3V 47U	1	
C8512		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8514		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8515		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C8516		ECEA1EKS3R3	E.CAPACITOR 25V 3.3U	1	
C8517,18		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C8519		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C8520,21		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
D8001		MA151K	DIODE	1	<R>
D8002		MA153	DIODE	1	<R>
D8003		MA151K	DIODE	1	<R>
D8004		MA3091-M	DIODE	1	<R>
D8005,06		MA151K	DIODE	2	<R>
D8007		MA151WK	DIODE	1	<R>
D8008,09		MA151K	DIODE	2	<R>
D8010,11		MA151WK	DIODE	2	<R>
D8012		MA151K	DIODE	1	<R>
D8014		MA151K	DIODE	1	<R>
D8015		MA165TA5VT	DIODE	1	<R>
DL8001		EFDVR645A45A	DELAY LINE	1	
DL8002		VLD0147	DELAY LINE	1	
DL8003		VLD0089	DELAY LINE	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
FL8001	VLF0299	FILTER	1	
FL8002	ELB4R049	FILTER	1	
FL8003	VLD0125	DELAY LINE	1	
FL8004	VLD0153	FILTER	1	
FL8501,02	VLF0523	FILTER	2	
FL8503,04	VLF0526	FILTER	2	
FL8505	ELB4H054	FILTER	1	
IC8001	VCR0284	IC	1	<R>
IC8002	NJM2233BMA	IC	1	<R>
IC8003	AN3495K	IC	1	<R>
IC8004	MSM6871RS	IC	1	<R>
IC8005	M52079SP	IC	1	<R>
IC8006,07	NJM2233BMA	IC	2	<R>
IC8504	CXL1009P	IC	1	<R>
IC8505	AN78L09	IC	1	<R>
JW8001,02	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
L8001-03	VLQEL05S101J	COIL 100UH	3	
L8004,05	VLQEL05S150J	COIL 15UH	2	
L8006	VLQEL05S330J	COIL 33UH	1	
L8007,08	VLQEL05S101J	COIL 100UH	2	
L8009,10	VLQEL05T681J	COIL 680UH	2	
L8011	VLQEL05S331J	COIL 330UH	1	
L8013	VLQEL05S470J	COIL 47UH	1	
L8014	VLQEL05S150J	COIL 15UH	1	
L8015	VLQEL05S101J	COIL 100UH	1	
L8016	VLP0083	COIL	1	
L8017	VLQEL05S101J	COIL 100UH	1	
L8018	VLQEL05S270J	COIL 27UH	1	
L8019,20	VLQEL05S101J	COIL 100UH	2	
L8021,22	VLQEL05S150J	COIL 15UH	2	
L8023	VLQEL05S151J	COIL 150UH	1	
L8024-28	VLQEL05S101J	COIL 100UH	5	
L8029	VLQEL05S151J	COIL 150UH	1	
L8031	VLQEL05S221J	COIL 220UH	1	
L8501-03	VLQEL05K101J	COIL 100UH	3	
L8510	VLP0053	COIL	1	
P8001	VJP2776	CONNECTOR(MALE) 3P	1	
P8002	VJP2775	CONNECTOR(MALE) 2P	1	
P8003	VJP3176B064	CONNECTOR(MALE)	1	
P8506	VJS2776	CONNECTOR(FEMALE) 3P	1	
P8507	VJS2775	CONNECTOR(FEMALE) 2P	1	
Q8001	MSB709-R	TRANSISTOR	1	<R>
Q8002-04	MSD601-R	TRANSISTOR	3	<R>
Q8005-08	MSC2295-B	TRANSISTOR	4	<R>
Q8009	MSD601-R	TRANSISTOR	1	<R>
Q8010	MSC2295-B	TRANSISTOR	1	<R>
Q8011,12	MSB709-R	TRANSISTOR	2	<R>
Q8013	MSD601-R	TRANSISTOR	1	<R>
Q8017	MSC2295-B	TRANSISTOR	1	<R>
Q8018	2SA1022	TRANSISTOR	1	(B)<R>
Q8019	MSD601-R	TRANSISTOR	1	<R>
Q8020	MSC2295-B	TRANSISTOR	1	<R>
Q8021,22	MSD601-R	TRANSISTOR	2	<R>
Q8506	MSC2295-B	TRANSISTOR	1	<R>
Q8507	MSB709-R	TRANSISTOR	1	<R>
Q8508	MSC2295-B	TRANSISTOR	1	<R>
QR8001	MRN1404	TRANSISTOR	1	<R>

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
QR8002	XN1213	TRANSISTOR-TRANSISTOR	1	<R>
QR8003-07	MRN1404	TRANSISTOR	5	<R>
QR8009	MRN1404	TRANSISTOR	1	<R>
QR8010	MRN1402	TRANSISTOR	1	<R>
QR8011	XN1113	TRANSISTOR-RESISTOR	1	<R>
QR8012	XN1213	TRANSISTOR-TRANSISTOR	1	<R>
QR8013	MRN1404	TRANSISTOR	1	<R>
QR8014	MRN1403	TRANSISTOR	1	<R>
QR8015	MRN2403	TRANSISTOR-RESISTOR	1	<R>
QR8016	MRN1404	TRANSISTOR	1	<R>
QR8017	XN1213	TRANSISTOR-TRANSISTOR	1	<R>
QR8018	MRN1404	TRANSISTOR	1	<R>
QR8019	MRN1402	TRANSISTOR	1	<R>
R8001	ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R8002	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8003	ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R8004	ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R8005	ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R8006	ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R8007,08	ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	2	
R8009	ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R8010	ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R8011	ERJ6GEYJ124	M.RESISTOR CH 1/10W 120K	1	
R8012	ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R8013,14	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R8015	ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R8016	ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R8017	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R8018	ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R8019	ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	1	
R8020,21	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	2	
R8022	ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R8023	ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R8024	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8025,26	ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	2	
R8027	ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R8028	ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R8029	ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R8030	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8031	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R8032	ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R8033	ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R8034	ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R8035	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8036	ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R8037	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8038	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R8039	ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R8040	ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R8041	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R8042	ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R8043	ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R8044	ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R8045	ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R8046	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8047	ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R8048	ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R8049	ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R8050	ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R8051	ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R8052	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8053	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R8054	ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R8055	ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R8056	ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R8057,58	ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	2	
R8059	ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R8060	ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R8061	ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R8062	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8063	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8064	ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R8065		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R8066		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8067		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R8068		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R8069		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R8070		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	1	
R8071		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8072		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R8073		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8074		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R8075		ERJ6GEYJ394	M.RESISTOR CH 1/10W 390K	1	
R8076		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R8077		ERJ6GEYG913	M.RESISTOR CH 1/10W 91K	1	
R8078		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R8088		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R8089		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8090		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R8091,92		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R8093		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	1	
R8100		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R8101,02		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R8103		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R8104		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8105		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	1	
R8106		ERJ6GEYJ151	M.RESISTOR CH 1/10W 150	1	
R8107		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8109		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R8110		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R8112		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R8115		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R8116		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8117		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	1	
R8118		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8119,20		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R8121,22		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R8123		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R8124		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8125		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R8126		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R8127		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8128		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R8129,30		ERJ6GEYJ181	M.RESISTOR CH 1/10W 180	2	
R8131		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8132		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	1	
R8133		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8137,38		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R8501		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R8502		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R8503		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8504		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R8505		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R8506		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R8507		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R8508,09		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	2	
R8510		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R8517		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8535		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
VR8001		EVN32CA00B14	V.RESISTOR 10K	1	
VR8003		EVMF6SA00B13	V.RESISTOR 1K	1	
VR8004		EVN32CA00B24	VARIABLE 20K	1	
VR8005		EVN32CA00B52	V.RESISTOR 500	1	
VR8006		EVN32CA00B13	V.RESISTOR 1K	1	
VR8007		EVN32CA00B24	VARIABLE 20K	1	
VR8009,10		EVN32CA00B13	V.RESISTOR 1K	2	
X8001		VSX0162	CRYSTAL OSCILLATOR	1	<R>
X8002		VSX0316	CRYSTAL OSCILLATOR	1	<R>
X8502		VSX0323	CRYSTAL OSCILLATOR	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			MISCELLANEOUS		
E36		VSC2911	SHIELD CASE (TOP BOTTOM)	2	
E37		VSC2912	SHIELD CASE (MAIN)	1	
	■	VEP03878B	P.C.BOARD W/COMPONENT		AG-7150-E/B
			VIDEO (2)		INCLUDING THE
					CCD UNIT (VEP03880A)
C8001		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8002		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C8003		ECEA1CU220	E.CAPACITOR 16V 22U	1	
C8004		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8005		ECEA0JU221	E.CAPACITOR 6.3V 220U	1	
C8006		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C8007		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C8008		ECEA1HU2R2	E.CAPACITOR 50V 2.2U	1	
C8009		ECEA1HFS4R7	E.CAPACITOR 50V 4.7U	1	
C8010		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C8011		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8012,13		ECQV1H224JZ	P.CAPACITOR 50V 0.22U	2	
C8014		ECEA1HU2R2	E.CAPACITOR 50V 2.2U	1	
C8015		ECEA1EU4R7	E.CAPACITOR 25V 4.7U	1	
C8016		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C8017		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C8018-22		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	5	
C8023		ECEA0JU101	E.CAPACITOR 6.3V 100U	1	
C8024		ECQV1H224JZ	P.CAPACITOR 50V 0.22U	1	
C8026		ECUM1H060DCN	C.CAPACITOR CH 50V 6P	1	
C8027,28		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8029		ECQV1H154JZ	P.CAPACITOR 50V 0.15U	1	
C8030		ECUM1H391JCN	C.CAPACITOR CH 50V 390P	1	
C8031		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C8032		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C8033		ECUM1H152KBN	C.CAPACITOR CH 50V 1500P	1	
C8034		ECEA1HU3R3	E.CAPACITOR 50V 3.3U	1	
C8035		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C8037		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C8038,39		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8040,41		ECEA1CU100	E.CAPACITOR 16V 10U	2	
C8042,43		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8044		ECQV1H334JZ	P.CAPACITOR 50V 0.33U	1	
C8045		ECEA1HU4R7	E.CAPACITOR 50V 4.7U	1	
C8046		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8047		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C8048		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C8049		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8050		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C8051		ECEA1EU4R7	E.CAPACITOR 25V 4.7U	1	
C8052		ECEA0JN470S	E.CAPACITOR 6.3V 47U	1	
C8053		ECEA1EU4R7	E.CAPACITOR 25V 4.7U	1	
C8054		ECEA1CU220	E.CAPACITOR 16V 22U	1	
C8055		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C8056		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C8057		ECEA1CU101	E.CAPACITOR 16V 100U	1	
C8058		ECEA1CU220	E.CAPACITOR 16V 22U	1	
C8059		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C8060		ECUM1H473ZFN	C.CAPACITOR CH 50V 0.047U	1	
C8061		ECEA1CU220	E.CAPACITOR 16V 22U	1	
C8062,63		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8064		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C8065		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8066		ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C8067		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8068		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C8069,70		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8071		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C8072		ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U	1	
C8073		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C8074	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C8075,76	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8077	ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C8078	ECEA1CU470	E.CAPACITOR 16V 47U	1	
C8079	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8080	ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C8081	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C8082	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8083	ECEA0JU221	E.CAPACITOR 6.3V 220U	1	
C8084,85	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8089,90	ECUM1H333ZFN	C.CAPACITOR CH 50V 0.033U	2	
C8092	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8095	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C8097	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8098	ECEA1CU470	E.CAPACITOR 16V 47U	1	
C8099,00	ECEA0JN470S	E.CAPACITOR 6.3V 47U	2	
C8101	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C8102	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8103	ECEA1CU470	E.CAPACITOR 16V 47U	1	
C8104	ECEA0JU221	E.CAPACITOR 6.3V 220U	1	
C8105	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8106	ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	
C8107,08	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8109	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C8110	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C8112-14	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C8115	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C8116	ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C8117	ECCF1H560JC	C.CAPACITOR 50V 56P	1	
C8501	ECEA1HKS010	E.CAPACITOR 50V 1U	1	
C8502	ECEA1CKS470	E.CAPACITOR 16V 47U	1	
C8503	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8504	ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C8505	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8506	ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C8507	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8508	ECEA1HKSR22	E.CAPACITOR 50V 0.22U	1	
C8509,10	ECEA1EKS3R3	E.CAPACITOR 25V 3.3U	2	
C8511	ECEA0JKN470	E.CAPACITOR 6.3V 47U	1	
C8512	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8514	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8515	ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C8516	ECEA1EKS3R3	E.CAPACITOR 25V 3.3U	1	
C8517,18	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C8519	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C8520,21	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
D8001	MA151K	DIODE	1	<R>
D8002	MA153	DIODE	1	<R>
D8003	MA151K	DIODE	1	<R>
D8004	MA3091-M	DIODE	1	<R>
D8005,06	MA151K	DIODE	2	<R>
D8007	MA151WK	DIODE	1	<R>
D8008,09	MA151K	DIODE	2	<R>
D8010,11	MA151WK	DIODE	2	<R>
D8012	MA151K	DIODE	1	<R>
D8014	MA151K	DIODE	1	<R>
D8015	MA165TA5VT	DIODE	1	<R>
DL8001	EFDVR645A45A	DELAY LINE	1	
DL8002	VLD0147	DELAY LINE	1	
DL8003	VLD0089	DELAY LINE	1	
FL8001	VLF0299	FILTER	1	
FL8002	ELB4R049	FILTER	1	
FL8003	VLD0125	DELAY LINE	1	
FL8501,02	VLF0523	FILTER	2	
FL8503,04	VLF0526	FILTER	2	
FL8505	ELB4H054	FILTER	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC8001	VCR0284	IC	1	<R>
IC8002	NJM2233BMA	IC	1	<R>
IC8003	AN3495K	IC	1	<R>
IC8004	MSM6871RS	IC	1	<R>
IC8005	M52079SP	IC	1	<R>
IC8006,07	NJM2233BMA	IC	2	<R>
IC8504	CXL1009P	IC	1	<R>
IC8505	AN78L09	IC	1	<R>
JW8001,02	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
L8001-03	VLQEL05S101J	COIL 100UH	3	
L8004,05	VLQEL05S150J	COIL 15UH	2	
L8006	VLQEL05S330J	COIL 33UH	1	
L8007,08	VLQEL05S101J	COIL 100UH	2	
L8009,10	VLQEL05T681J	COIL 680UH	2	
L8011	VLQEL05S331J	COIL 330UH	1	
L8013	VLQEL05S470J	COIL 47UH	1	
L8014	VLQEL05S150J	COIL 15UH	1	
L8015	VLQEL05S101J	COIL 100UH	1	
L8016	VLP0083	COIL	1	
L8017	VLQEL05S101J	COIL 100UH	1	
L8018	VLQEL05S270J	COIL 27UH	1	
L8019,20	VLQEL05S101J	COIL 100UH	2	
L8021,22	VLQEL05S150J	COIL 15UH	2	
L8023	VLQEL05S151J	COIL 150UH	1	
L8024-28	VLQEL05S101J	COIL 100UH	5	
L8029	VLQEL05S151J	COIL 150UH	1	
L8031	VLQEL05S221J	COIL 220UH	1	
L8501-03	VLQEL05K101J	COIL 100UH	3	
L8510	VLP0053	COIL	1	
P8001	VJP2776	CONNECTOR(MALE) 3P	1	
P8002	VJP2775	CONNECTOR(MALE) 2P	1	
P8003	VJP3176B064	CONNECTOR(MALE)	1	
P8506	VJS2776	CONNECTOR(FEMALE) 3P	1	
P8507	VJS2775	CONNECTOR(FEMALE) 2P	1	
Q8001	MSB709-R	TRANSISTOR	1	<R>
Q8002-04	MSD601-R	TRANSISTOR	3	<R>
Q8005-08	MSC2295-B	TRANSISTOR	4	<R>
Q8009	MSD601-R	TRANSISTOR	1	<R>
Q8010	MSC2295-B	TRANSISTOR	1	<R>
Q8011,12	MSB709-R	TRANSISTOR	2	<R>
Q8013	MSD601-R	TRANSISTOR	1	<R>
Q8017	MSC2295-B	TRANSISTOR	1	<R>
Q8018	2SA1022	TRANSISTOR	1	(B)<R>
Q8019	MSD601-R	TRANSISTOR	1	<R>
Q8020	MSC2295-B	TRANSISTOR	1	<R>
Q8021,22	MSD601-R	TRANSISTOR	2	<R>
Q8506	MSC2295-B	TRANSISTOR	1	<R>
Q8507	MSB709-R	TRANSISTOR	1	<R>
Q8508	MSC2295-B	TRANSISTOR	1	<R>
QR8001	MRN1404	TRANSISTOR	1	<R>
QR8002	XN1213	TRANSISTOR-TRANSISTOR	1	<R>
QR8003-07	MRN1404	TRANSISTOR	5	<R>
QR8009	MRN1404	TRANSISTOR	1	<R>
QR8010	MRN1402	TRANSISTOR	1	<R>
QR8011	XN1113	TRANSISTOR-RESISTOR	1	<R>
QR8012	XN1213	TRANSISTOR-TRANSISTOR	1	<R>
QR8013	MRN1404	TRANSISTOR	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
QR8014		MRN1403	TRANSISTOR	1	<R>
QR8015		MRN2403	TRANSISTOR-RESISTOR	1	<R>
QR8016		MRN1404	TRANSISTOR	1	<R>
QR8017		XN1213	TRANSISTOR-TRANSISTOR	1	
QR8018		MRN1404	TRANSISTOR	1	
QR8019		MRN1402	TRANSISTOR	1	
R8001		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R8002		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8003		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R8004		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R8005		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R8006		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R8007,08		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	2	
R8009		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R8010		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R8011		ERJ6GEYJ124	M.RESISTOR CH 1/10W 120K	1	
R8012		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R8013,14		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R8015		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R8016		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R8017		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R8018		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R8019		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	1	
R8020,21		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	2	
R8022		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R8023		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R8024		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8025,26		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	2	
R8027		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R8028		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R8029		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R8030		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8031		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R8032		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R8033		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R8034		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R8035		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8036		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R8037		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8038		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R8039		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R8040		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R8041		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R8042		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R8043		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R8044		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R8045		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R8046		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8047		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R8048		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R8049		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R8050		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R8051		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R8052		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8053		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R8054		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R8055		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R8056		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R8057,58		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	2	
R8059		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R8060		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R8061		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R8062		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8063		ERJ6GEYJ103V	M.RESISTOR CH 1/10W 10K	1	
R8064		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R8065		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R8066		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8067		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R8068		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R8069		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R8070		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	1	
R8071		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R8072		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R8073		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8074		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R8075		ERJ6GEYJ394	M.RESISTOR CH 1/10W 390K	1	
R8076		ERJ6GEYJ221	M.RESISTOR CH 1/10W 2.2K	1	
R8077		ERJ6GEYG913	M.RESISTOR CH 1/10W 91K	1	
R8078		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R8088		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R8089		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8090		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R8091,92		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R8093		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	1	
R8100		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R8101,02		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R8103		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R8104		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8105		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	1	
R8106		ERJ6GEYJ151	M.RESISTOR CH 1/10W 150	1	
R8107		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8109		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R8110		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R8112		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R8115		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R8116		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8117		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	1	
R8118		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8119,20		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R8121,22		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R8123		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R8124		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8125		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R8126		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R8127		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8128		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R8129,30		ERJ6GEYJ181	M.RESISTOR CH 1/10W 180	2	
R8131		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8132		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	1	
R8133		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8135		ERDS2TJ123	C.RESISTOR 1/4W 12K	1	
R8136		ERDS2TJ822	C.RESISTOR 1/4W 8.2K	1	
R8137,38		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R8501		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R8502		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R8503		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8504		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R8505		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R8506		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R8507		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R8508,09		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	2	
R8510		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R8517		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8535		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
VR8001		EVN32CA00B14	V.RESISTOR 10K	1	
VR8003		EVMF6SA00B13	V.RESISTOR 1K	1	
VR8005		EVN32CA00B52	V.RESISTOR 500	1	
VR8006		EVN32CA00B13	V.RESISTOR 1K	1	
VR8007		EVN32CA00B24	VARIABLE 20K	1	
VR8009,10		EVN32CA00B13	V.RESISTOR 1K	2	
X8001		VSX0162	CRYSTAL OSCILLATOR	1	<R>
X8002		VSX0316	CRYSTAL OSCILLATOR	1	<R>
X8502		VSX0323	CRYSTAL OSCILLATOR	1	<R>
			MISCELLANEOUS		
E36		VSC2911	SHIELD CASE (TOP, BOTTOM)	2	
E37		VSC2912	SHIELD CASE (MAIN)	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
	■	VEP03879A	P.C.BOARD W/COMPONENT		AG-7350-E/B
			VIDEO (3)		INCLUDING THE
					CCD PACK (1)
					(VEPOOR78A)
					CCD PACK (2)
					(VEPOOR78B)
C1		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C2		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C4,C5		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C6		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7		ECEA1HKS4R7	E.CAPACITOR 50V 4.7U	1	
C8		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C9		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C10		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C11		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C12		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3501-03		ECEA1CU470	E.CAPACITOR 16V 47U	3	
C3505		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3506		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3507,08		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3510		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3511		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3512		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3513		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3514,15		ECEA1CU470	E.CAPACITOR 16V 47U	2	
C3516		ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	1	
C3517		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3518		ECEA1CU220	E.CAPACITOR 16V 22U	1	
C3519,20		ECEA1HU3R3	E.CAPACITOR 50V 3.3U	2	
C3521		ECEA1HU4R7	E.CAPACITOR 50V 4.7U	1	
C3522		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C3523		ECEAOJU101	E.CAPACITOR 6.3V 100U	1	
C3524		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3526		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3528		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3529		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3530		ECUM1H030DCN	C.CAPACITOR CH 50V 3P	1	
C3531		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3533		ECUM1H030DCN	C.CAPACITOR CH 50V 3P	1	
C3534		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3535		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3536		ECEA1VU220	E.CAPACITOR 35V 22U	1	
C3537		ECEA1HU100	E.CAPACITOR 50V 10U	1	
C3538		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3539		ECEAOJU101	E.CAPACITOR 6.3V 100U	1	
C3540,41		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3542		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C3543		ECEA1HN4R7S	E.CAPACITOR 50V 4.7U	1	
C3544		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3545		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C3546		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3547,48		ECEA1CU470	E.CAPACITOR 16V 47U	2	
C3549		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C3550		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C3551		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3552		ECEA1CU220	E.CAPACITOR 16V 22U	1	
C3553		ECEA1HN4R7S	E.CAPACITOR 50V 4.7U	1	
C3554		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3558		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3559		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3560		ECEA1HN010S	E.CAPACITOR 50V 1U	1	
C3561		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3562		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3563,64		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3565		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3566,67		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3568		ECQP1H392JZ	P.CAPACITOR 50V 3900P	1	
C3569		ECEA1HKGR68	E.CAPACITOR 50V 0.68U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C3570		ECEA1CU330	E.CAPACITOR 16V 33U	1	
C3571		ECQB1H152JF	P.CAPACITOR 50V 1500P	1	
C3572		ECUM1H821JCN	C.CAPACITOR CH 50V 820P	1	
C3573		ECQV1H334JZ	P.CAPACITOR 50V 0.33U	1	
C3574		ECEA1HU4R7	E.CAPACITOR 50V 4.7U	1	
C3575		ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C3576		ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C3577		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3578		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3579		ECQB1H683JF	P.CAPACITOR 50V 0.068U	1	
C3580		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C3581		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3582		ECEA1HU4R7	E.CAPACITOR 50V 4.7U	1	
C3583		ECEA1HUR22	E.CAPACITOR 50V	1	
C3584,85		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	2	
C3586		ECV1ZW20X53T	V.CAPACITOR 20P	1	
C3587		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3588		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C3590		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3591		ECEA1HU4R7	E.CAPACITOR 50V 4.7U	1	
C3592		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3593		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C3594		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3595		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3596		ECUM1H120JCN	C.CAPACITOR CH 50V 12P	1	
C3597		ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	
C3598		ECUM1H120JCN	C.CAPACITOR CH 50V 12P	1	
C3599,00		ECUM1H561JCN	C.CAPACITOR CH 50V 560P	2	
C3601,02		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	2	
C3603		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3604		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3605		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3606,07		ECEA1CU470	E.CAPACITOR 16V 47U	2	
C3608,09		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3610		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3611		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C3612		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3613		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C3614		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3615		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C3616		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3617		ECEA1HU4R7	E.CAPACITOR 50V 4.7U	1	
C3618		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C3619		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3620		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3621,22		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3623		ECEA1HU4R7	E.CAPACITOR 50V 4.7U	1	
C3624,25		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3626		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C3627		ECEAOJU471	E.CAPACITOR 6.3V 470U	1	
C3628		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C3629		ECEAOJU102	E.CAPACITOR 6.3V 1000U	1	
C3630-32		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C3633		ECEAOJU221	E.CAPACITOR 6.3V 220U	1	
C3634		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C3637		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3639		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3640		ECEAOJU101	E.CAPACITOR 6.3V 100U	1	
C3641		ECEA1HN010S	E.CAPACITOR 50V 1U	1	
C3642		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C3643		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3644		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3645		ECEAOJU470	E.CAPACITOR 6.3V 47U	1	
C3646		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3647		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3648,49		ECCF1H120JC	C.CAPACITOR 50V 12P	2	
D1		MA3091M	DIODE	1	<R>
D1		MA3091M	DIODE	1	<R>
D3501		MA3200M	DIODE	1	<R>
D3502-04		MA151K	DIODE	3	<R>
D3505		MA28W-AB	DIODE	1	<R>
D3506-09		MA151K	DIODE	4	<R>

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
DL3501	VLD0127	DELAY LINE	1	
FL3501	VLF0766	FILTER	1	
FL3502	ELXTS470GA	FILTER	1	
FL3503,04	VLF0811	FILTER	2	
FL3506	VLF0765	FILTER	1	
FL3507	ELXTS470GA	FILTER	1	
IC1	MSM6871RS	IC	1	<R>
IC3501	M52065FP	IC	1	<R>
IC3502	AN3916	IC	1	<R>
IC3503	UPC78L05J	IC	1	<R>
IC3504	BA7021	IC	1	<R>
IC3505	MN4030BS	IC	1	<R>
IC3507	UPC78L05J	IC	1	<R>
IC3508	NJM2233BMA	IC	1	<R>
IC3509	AN3296S	IC	1	<R>
IC3510	MN1280P	IC	1	<R>
IC3511	M50455-001SP	IC	1	<R>
IC3512	UPC78L05J	IC	1	<R>
IC3513	UPD4066BG	IC	1	<R>
IC3514	BA7607F	IC	1	<R>
IC3515	AN3581S	IC	1	<R>
IC3516	TC7S04F		1	<R>
J3501	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
J3503	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
L1	VLQ0460	COIL 100UH	1	
L3501,02	VLQEL05S101J	COIL 100UH	2	
L3503,04	VLP0083	COIL	2	
L3505-11	VLQEL05S101J	COIL 100UH	7	
L3512	VLQEL05S150J	COIL 15UH	1	
L3514-17	VLQEL05S101J	COIL 100UH	4	
L3518	VLP0083	COIL	1	
L3519,20	VLQEL05S101J	COIL 100UH	2	
L3521,22	VLQEL05S180J	COIL 18UH	2	
L3523	VLQEL05S101J	COIL 100UH	1	
L3524,25	VLQEL05S560J	COIL 56UH	2	
P1	VJR0231	PACK PIN 6P	1	
P3501	VJP3176B064	CONNECTOR(MALE)	1	
Q1-Q3	MSC2295-B	TRANSISTOR	3	<R>
Q3501	MSD601-R	TRANSISTOR	1	<R>
Q3502	MSC2295-B	TRANSISTOR	1	<R>
Q3503	2SA1022	TRANSISTOR	1	(B)<R>
Q3504	MSD601-R	TRANSISTOR	1	<R>
Q3506	MSC2295-B	TRANSISTOR	1	<R>
Q3507	2SA1022	TRANSISTOR	1	<R>
Q3508-10	MSD601-R	TRANSISTOR	3	<R>
Q3511	MSB709-R	TRANSISTOR	1	<R>
Q3512	MSD601-R	TRANSISTOR	1	<R>
Q3513	MSB709-R	TRANSISTOR	1	<R>
Q3514	2SB641	TRANSISTOR	1	<R>
Q3515	MSC2295-B	TRANSISTOR	1	<R>
Q3516	2SA1022	TRANSISTOR	1	(B)<R>
Q3517	MSB709-R	TRANSISTOR	1	<R>
Q3519	MSD601-R	TRANSISTOR	1	<R>
Q3520	MSB709-R	TRANSISTOR	1	<R>

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q3521-24	MSD601-R	TRANSISTOR	4	<R>
Q3525	MSB709-R	TRANSISTOR	1	<R>
Q3526-30	MSD601-R	TRANSISTOR	5	<R>
Q3531	MSC2295-B	TRANSISTOR	1	<R>
Q3532	2SA1022	TRANSISTOR	1	(B)<R>
Q3533	MSB709-R	TRANSISTOR	1	<R>
Q3534,35	MSD601-R	TRANSISTOR	2	<R>
QR3501	XN1501	TRANSISTOR-TRANSISTOR	1	<R>
QR3502-06	MRN1404	TRANSISTOR	5	<R>
QR3507	MRN1402	TRANSISTOR	1	<R>
QR3508-12	MRN1404	TRANSISTOR	5	<R>
QR3513	XN1213	TRANSISTOR-TRANSISTOR	1	<R>
QR3514-17	MRN1404	TRANSISTOR	4	<R>
QR3520,21	MRN1404	TRANSISTOR	2	<R>
R1	ERJ6GEYJ151	M.RESISTOR CH 1/10W 150	1	
R2	ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4,R5	ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	2	
R6	ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R7	ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R8	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3501,02	ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	2	
R3503-05	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	3	
R3506	ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R3507	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3508	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3509	ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3510	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3511	ERJ6GEYJ112	M.RESISTOR CH 1/10W 1.1K	1	
R3512	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3513,14	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R3515	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3516	ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R3517	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3518	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3519	ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R3520-25	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	6	
R3526	ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R3527	ERJ6GEYJ181	M.RESISTOR CH 1/10W 180	1	
R3528	ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R3529	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3530	ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3531	ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R3532	ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R3534	ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R3536	ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3537	ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R3538	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R3539	ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R3540-42	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	3	
R3544	ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R3545-47	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	3	
R3548	ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3549,50	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R3551	ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3552	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3553	ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R3555	ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3556	ERJ6GEYJ820	M.RESISTOR CH 1/10W 82	1	
R3557	ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R3558	ERJ6GEYG333	M.RESISTOR CH 1/10W 33K	1	
R3559	ERJ6GEYG133	M.RESISTOR CH 1/10W 13K	1	
R3560	ERJ6GEYG122	M.RESISTOR CH 1/10W 1.2K	1	
R3561	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3562	ERJ6GEYG561	M.RESISTOR CH 1/10W 560	1	
R3563	ERJ6GEYG821	M.RESISTOR CH 1/10W 820	1	
R3564	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3565	ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R3566	ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R3567		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3573,74		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3575		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3576,77		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3578		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R3579		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R3580		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3581		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3582		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3583		ERJ6GEYG473	M.RESISTOR CH 1/10W 47K	1	
R3584		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3585		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R3586		ERJ6GEYJ753	M.RESISTOR CH 1/10W 75K	1	
R3587		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R3588		ERJ6GEYJ683	M.RESISTOR CH 1/10W 68K	1	
R3589		ERJ6GEYG113	M.RESISTOR CH 1/10W 11K	1	
R3590,91		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3592		ERJ6GEYJ564	M.RESISTOR CH 1/10W 560K	1	
R3593		ERJ6GEYJ684	M.RESISTOR CH 1/10W 680K	1	
R3594		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3595		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R3596		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3597		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3598		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3599,00		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	2	
R3601		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3602		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R3603		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3604		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3605		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3606		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R3607		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3608		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R3609,10		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3611		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3612		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3613		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	1	
R3614		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R3615		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3616		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R3617,18		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R3620		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3621		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R3622		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3623		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3624		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R3625		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R3626		ERJ6GEYJ151	M.RESISTOR CH 1/10W 150	1	
R3627,28		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R3629		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3630		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3631		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3632		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3633-35		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	3	
R3636		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3637		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R3638-40		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	3	
R3641-43		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	3	
R3644		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R3645		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3646		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3647		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3648,49		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	2	
R3650		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3651-54		ERJ6GEYG750	M.RESISTOR CH 1/10W 75	4	
R3655		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R3657		ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3658		ERJ6GEYG112	M.RESISTOR CH 1/10W 1.1K	1	
R3659		ERJ6GEYG471	M.RESISTOR CH 1/10W 470	1	
R3660		ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3661		ERJ6GEYJ474	M.RESISTOR CH 1/10W 470K	1	
R3663		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3664		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R3667		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3668		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R3669		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R3670		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3671-73		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	3	
R3675		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3676		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R3678		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R3679		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R3680		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R3681		EPJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3682		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
TH3501		ERTD2FHL102S	THERMISTOR 1K	1	
VR3501		EVN32CA00B24	VARIABLE 20K	1	
VR3502,03		EVN32CA00B13	V.RESISTOR 1K	2	
X1		VSX0316	CRYSTAL OSCILLATOR	1	<R>
X3501		VSX0114	CRYSTAL OSCILLATOR	1	<R>
			MISCELLANEOUS		
E41		VMX0469	TERMISTOR SPACER	1	
	■	VEP03879B	P.C.BOARD W/COMPONENT		AG-7150-E/B
			VIDEO (3)		
C3515		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3521		ECEA1HU4R7	E.CAPACITOR 50V 4.7U	1	
C3522		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C3523		ECEA0JU101	E.CAPACITOR 6.3V 100U	1	
C3524		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3536		ECEA1VU220	E.CAPACITOR 35V 22U	1	
C3537		ECEA1HU100	E.CAPACITOR 50V 10U	1	
C3538		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3539		ECEA0JU101	E.CAPACITOR 6.3V 100U	1	
C3540		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3543		ECEA1HN4R7S	E.CAPACITOR 50V 4.7U	1	
C3544		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3545		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C3546		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3547,48		ECEA1CU470	E.CAPACITOR 16V 47U	2	
C3549		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C3550		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C3551		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3552		ECEA1CU220	E.CAPACITOR 16V 22U	1	
C3558		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3559		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3561		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3562		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3563,64		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3565		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3566		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3568		ECQP1H392JZ	P.CAPACITOR 50V 3900P	1	
C3569		ECEA1HKGR68	E.CAPACITOR 50V	1	
C3570		ECEA1CU330	E.CAPACITOR 16V 33U	1	
C3571		ECQB1H152JF	P.CAPACITOR 50V 1500P	1	
C3572		ECUM1H821JCN	C.CAPACITOR CH 50V 820P	1	
C3573		ECQV1H334JZ	P.CAPACITOR 50V 0.33U	1	
C3574		ECEA1HU4R7	E.CAPACITOR 50V 4.7U	1	
C3575		ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C3576		ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C3577		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3578	ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3579	ECQB1H683JF	P.CAPACITOR 50V 0.068U	1	
C3580	ECEA1HU010	E.CAPACITOR 50V 1U	1	
C3581	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3582	ECEA1HU4R7	E.CAPACITOR 50V 4.7U	1	
C3583	ECEA1HUR22	E.CAPACITOR 50V 0.22U	1	
C3584,85	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	2	
C3586	ECV1ZW20X53T	V.CAPACITOR 20P	1	
C3587	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3588	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C3590	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3591	ECEA1HU4R7	E.CAPACITOR 50V 4.7U	1	
C3592	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3593	ECEA1CU100	E.CAPACITOR 16V 10U	1	
C3594	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3595	ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3596	ECUM1H120JCN	C.CAPACITOR CH 50V 12P	1	
C3597	ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	
C3598	ECUM1H120JCN	C.CAPACITOR CH 50V 12P	1	
C3599,00	ECUM1H561JCN	C.CAPACITOR CH 50V 560P	2	
C3601,02	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	2	
C3603	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3604	ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3605	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3606,07	ECEA1CU470	E.CAPACITOR 16V 47U	2	
C3608,09	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3610	ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3611	ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C3612	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3613	ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C3614	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3615	ECEA1HU010	E.CAPACITOR 50V 1U	1	
C3616	ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3617	ECEA1HU4R7	E.CAPACITOR 50V 4.7U	1	
C3618	ECEA1CU100	E.CAPACITOR 16V 10U	1	
C3619	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3620	ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3621,22	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3623	ECEA1HU4R7	E.CAPACITOR 50V 4.7U	1	
C3624,25	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3626	ECEA1CU100	E.CAPACITOR 16V 10U	1	
C3627	ECEA0JU471	E.CAPACITOR 6.3V 470U	1	
C3628	ECEA1CU100	E.CAPACITOR 16V 10U	1	
C3629	ECEA0JU102	E.CAPACITOR 6.3V 1000U	1	
C3630-32	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C3633	ECEA0JU221	E.CAPACITOR 6.3V 220U	1	
C3634	ECEA1CU100	E.CAPACITOR 16V 10U	1	
C3637	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3639	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3640	ECEA0JU101	E.CAPACITOR 6.3V 100U	1	
C3642	ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C3644	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3645	ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C3647	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
D3501	MA3200M	DIODE	1	<R>
D3504	MA151K	DIODE	1	<R>
D3505	MA28W-AB	DIODE	1	<R>
D3506-08	MA151K	DIODE	3	<R>
DL3501	VLD0127	DELAY LINE	1	
IC3501	M52065FP	IC	1	<R>
IC3502	AN3916	IC	1	<R>
IC3503	UPC78L05J	IC	1	<R>
IC3504	BA7021	IC	1	<R>
IC3507	UPC78L05J	IC	1	<R>
IC3508	NJM2233BMA	IC	1	<R>
IC3509	AN3296S	IC	1	<R>

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC3510	MN1280P	IC	1	<R>
IC3511	M50455-001SP	IC	1	<R>
IC3512	UPC78L05J	IC	1	<R>
IC3513	UPD4066BG	IC	1	<R>
IC3514	BA7607F	IC	1	<R>
IC3515	AN3581S	IC	1	<R>
L3506,07	VLQEL05S101J	COIL 100UH	2	
L3509-11	VLQEL05S101J	COIL 100UH	3	
L3512	VLQEL05S150J	COIL 15UH	1	
L3514-17	VLQEL05S101J	COIL 100UH	4	
L3519,20	VLQEL05S101J	COIL 100UH	2	
L3521,22	VLQEL05S180J	COIL 18UH	2	
L3523	VLQEL05S101J	COIL 100UH	1	
L3525	VLQEL05S560J	COIL 56UH	1	
P3501	VJP3176B064	CONNECTOR(MALE)	1	
Q3514	2SB641	TRANSISTOR	1	<R>
Q3515	MSC2295-B	TRANSISTOR	1	<R>
Q3516	2SA1022	TRANSISTOR	1	(B)<R>
Q3517	MSB709-R	TRANSISTOR	1	<R>
Q3519	MSD601-R	TRANSISTOR	1	<R>
Q3520	MSB709-R	TRANSISTOR	1	<R>
Q3521-24	MSD601-R	TRANSISTOR	4	<R>
Q3525	MSB709-R	TRANSISTOR	1	<R>
Q3526-30	MSD601-R	TRANSISTOR	5	<R>
Q3531	MSC2295-B	TRANSISTOR	1	<R>
Q3532	2SA1022	TRANSISTOR	1	(B)<R>
Q3533	MSB709-R	TRANSISTOR	1	<R>
Q3534,35	MSD601-R	TRANSISTOR	2	<R>
QR3504-06	MRN1404	TRANSISTOR	3	<R>
QR3507	MRN1402	TRANSISTOR	1	<R>
QR3508-12	MRN1404	TRANSISTOR	5	<R>
QR3513	XN1213	TRANSISTOR-TRANSISTOR	1	<R>
QR3514-17	MRN1404	TRANSISTOR	4	<R>
QR3521	MRN1404	TRANSISTOR	1	<R>
R3524,25	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3526	ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R3529	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3548	ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3553	ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R3554	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3555	ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3556	ERJ6GEYJ820	M.RESISTOR CH 1/10W 82	1	
R3557	ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R3558	ERJ6GEYG333	M.RESISTOR CH 1/10W 33K	1	
R3559	ERJ6GEYG133	M.RESISTOR CH 1/10W 13K	1	
R3560	ERJ6GEYG122	M.RESISTOR CH 1/10W 1.2K	1	
R3561	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3562	ERJ6GEYG561	M.RESISTOR CH 1/10W 560	1	
R3563	ERJ6GEYG821	M.RESISTOR CH 1/10W 820	1	
R3564	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3565	ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R3566	ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R3567	ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3573	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3575	ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3576,77	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3582	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3583	ERJ6GEYG473	M.RESISTOR CH 1/10W 47K	1	
R3584	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3585	ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R3586		ERJ6GEYJ753	M.RESISTOR CH 1/10W 75K	1	
R3587		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R3588		ERJ6GEYJ683	M.RESISTOR CH 1/10W 68K	1	
R3589		ERJ6GEYG113	M.RESISTOR CH 1/10W 11K	1	
R3590,91		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3592		ERJ6GEYJ564	M.RESISTOR CH 1/10W 560K	1	
R3593		ERJ6GEYJ684	M.RESISTOR CH 1/10W 680K	1	
R3594		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3595		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R3596		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3597		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3598		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3599,00		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	2	
R3601		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3602		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R3603		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3604		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3605		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3606		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R3607		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3608		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R3609,10		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3611		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3612		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3613		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	1	
R3614		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R3615		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3616		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R3617,18		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R3620		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3621		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R3622		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3623		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3624		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R3625		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R3626		ERJ6GEYJ151	M.RESISTOR CH 1/10W 150	1	
R3627,28		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R3629		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3630		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3631		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3632		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3633-35		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	3	
R3636		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3637		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R3638-40		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	3	
R3641-43		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	3	
R3644		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R3645		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3646		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3647		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3648,49		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	2	
R3650		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3651-54		ERJ6GEYG750	M.RESISTOR CH 1/10W 75	4	
R3655		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R3657		ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3658		ERJ6GEYG112	M.RESISTOR CH 1/10W 1.1K	1	
R3659		ERJ6GEYG471	M.RESISTOR CH 1/10W 470	1	
R3660		ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3661		ERJ6GEYJ474	M.RESISTOR CH 1/10W 470K	1	
R3663		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3664		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R3667		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3668		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3669		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R3670		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3671-73		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	3	
R3678		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R3679		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R3680		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R3681		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
VR3503		EVN32CA00B13	V.RESISTOR 1K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
X3501		VSX0114	CRYSTAL OSCILLATOR	1	<R>
	■	VEP04326C	P.C.BOARD W/COMPONENT		AG-7350-E/B
			AUDIO (1)		
C4001		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C4002		ECEA1CU471	E.CAPACITOR 16V 470U	1	
C4003		ECEA0JU101	E.CAPACITOR 6.3V 100U	1	
C4004		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4005,06		ECEA1HU010	E.CAPACITOR 50V 1U	2	
C4007		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4008		ECEA1CU330	E.CAPACITOR 16V 33U	1	
C4009		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4010		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4011		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C4012,13		ECQB1H183JF	P.CAPACITOR 50V 0.018U	2	
C4014		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C4015		ECQB1H223JF	P.CAPACITOR 50V 0.022U	1	
C4019		ECQB1H182JF	P.CAPACITOR 50V 1800P	1	
C4020		ECEA50M1	E.CAPACITOR 50V 1U	1	
C4021		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4022		ECEA0JU101	E.CAPACITOR 6.3V 100U	1	
C4023		ECQB1H103JF	P.CAPACITOR 50V .0.01U	1	
C4024		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4025		ECUM1H331KBN	C.CAPACITOR CH 50V 330P	1	
C4026		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C4027		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C4029		ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C4030		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C4031		ECEA1CU101	E.CAPACITOR 16V 100U	1	
C4032		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C4033		ECEA50ZR68	E.CAPACITOR 50V 0.68U	1	
C4034-36		ECEA1CU100	E.CAPACITOR 16V 10U	3	
C4037		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C4039		ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C4040		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C4041		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4042		ECEA0JU221	E.CAPACITOR 6.3V 220U	1	
C4043		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C4044		ECEA50ZR68	E.CAPACITOR 50V 0.68U	1	
C4045-47		ECEA1CU100	E.CAPACITOR 16V 10U	3	
C4048		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C4049		ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C4050		ECEA1CU330	E.CAPACITOR 16V 33U	1	
C4051		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4052		ECEA1CU330	E.CAPACITOR 16V 33U	1	
C4053		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C4055		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C4056		ECQB1H332JF	P.CAPACITOR 50V 3300P	1	
C4057-62		ECEA1CU100	E.CAPACITOR 16V 10U	6	
C4063		ECQB1H272JF	P.CAPACITOR 50V 2700P	1	
C4064		ECEA1CN100S	E.CAPACITOR 16V 10U	1	
C4065		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4066		ECEA1CU330	E.CAPACITOR 16V 33U	1	
C4067		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4068		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4069		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C4070,71		ECQB1H183JF	P.CAPACITOR 50V 0.018U	2	
C4072		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C4073		ECQB1H223JF	P.CAPACITOR 50V 0.022U	1	
C4077		ECQB1H182JF	P.CAPACITOR 50V 1800P	1	
C4078		ECEA50M1	E.CAPACITOR 50V 1U	1	
C4079		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4080		ECEA0JU101	E.CAPACITOR 6.3V 100U	1	
C4081		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C4082		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4083		ECUM1H331KBN	C.CAPACITOR CH 50V 330P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C4084		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C4085		ECEA1CU101	E.CAPACITOR 16V 100U	1	
C4086		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C4087		ECEA1HN010S	E.CAPACITOR 50V 1U	1	
C4088		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C4089		ECQB1H332JF	P.CAPACITOR 50V 3300P	1	
C4090		ECQB1H682JF	P.CAPACITOR 50V 6800P	1	
C4091		ECQF6182KZ	P.CAPACITOR 630V 1800P	1	
C4092,93		ECCD2H151J	C.CAPACITOR 500V 150P	2	
C4094,95		ECEA1HU4R7	E.CAPACITOR 50V 4.7U	2	
C4096,97		ECQB1H153JF	P.CAPACITOR 50V 0.015U	2	
D4001		MA4056M	DIODE	1	<R>
D4002		MA151WA	DIODE	1	<R>
D4003		MA151K	DIODE	1	<R>
D4004		MA151WA	DIODE	1	<R>
D4006		MA151WA	DIODE	1	<R>
D4007		MA151K	DIODE	1	<R>
D4008,09		MA3030	DIODE	2	<R>
D4010		MA151WK	DIODE	1	<R>
D4011,12		MA165TA	DIODE	2	<R>
D4013		MA151K	DIODE	1	<R>
D4014		MA151WA	DIODE	1	<R>
D4015		MA151WK	DIODE	1	<R>
D4016,17		MA151K	DIODE	2	<R>
FL4001,02		VLF0402	FILTER	2	
IC4001,02		LA7296	IC	2	<R>
IC4003		CXA1101P	IC	1	<R>
IC4004		RC4558M	IC	1	<R>
IC4005		AN6912S	IC	1	<R>
L4001		VLQEL07F153J	COIL 15MH	1	
L4002		VLQ24F102K25	COIL	1	
L4004		VLQEL07F153J	COIL 15MH	1	
P4001		VJP3176B064	CONNECTOR(MALE)	1	
P4002		VJP1230R	CONNECTOR(MALE) 3P	1	
P4003		VJP1230T	CONNECTOR(MALE) 3P	1	
P4004		VJP1231T	CONNECTOR(MALE) 4P	1	
Q4001		2SD639	TRANSISTOR	1	(Q,R,S)<R>
Q4002		MSB710-R	TRANSISTOR	1	<R>
Q4003		2SD1328-R	TRANSISTOR CHIP	1	(R,S)<R>
Q4004		MSD601-R	TRANSISTOR	1	<R>
Q4005		2SD1328-R	TRANSISTOR CHIP	1	(R,S)<R>
Q4006		MSD601-R	TRANSISTOR	1	<R>
Q4007		2SD1328-R	TRANSISTOR CHIP	1	(R,S)<R>
Q4008		2SB643	TRANSISTOR	1	<R>
Q4009		2SD973A-R	TRANSISTOR	1	<R>
Q4010-17		2SD814	TRANSISTOR	8	(Q,R,S)<R>
Q4018,19		2SB779-R	TRANSISTOR	2	(R,S)<R>
Q4020		MSD602-R	TRANSISTOR	1	<R>
Q4021		MSD601-R	TRANSISTOR	1	<R>
Q4022,23		2SB792	TRANSISTOR	2	(Q,R,S)<R>
Q4024		MSD601-R	TRANSISTOR	1	<R>
Q4025,26		2SB792	TRANSISTOR	2	(Q,R,S)<R>
Q4027,28		MSD601-R	TRANSISTOR	2	<R>
Q4029		2SD1328-R	TRANSISTOR CHIP	1	(R,S)<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
QR4001,02		MRN2404	TRANSISTOR	2	<R>
QR4003		MRN1402	TRANSISTOR	1	<R>
QR4004		MRN2404	TRANSISTOR	1	<R>
QR4005		MRN1402	TRANSISTOR	1	<R>
QR4006		MRN2404	TRANSISTOR	1	<R>
QR4007,08		MRN1404	TRANSISTOR	2	<R>
QR4009		MRN1402	TRANSISTOR	1	<R>
QR4010		MRN1404	TRANSISTOR	1	<R>
QR4011		MRN2404	TRANSISTOR	1	<R>
QR4012,13		MRN1404	TRANSISTOR	2	<R>
QR4014		MRN2404	TRANSISTOR	1	<R>
QR4015		UN2215	TRANSISTOR-RESISTOR	1	<R>
QR4016		MRN1402	TRANSISTOR	1	<R>
QR4017		UN2215	TRANSISTOR-RESISTOR	1	<R>
QR4020		MRN1404	TRANSISTOR	1	<R>
QR4021		UN2115	COMBINATION PARTS	1	<R>
QR4022-24		MRN1404	TRANSISTOR	3	<R>
QR4025		UN2115	COMBINATION PARTS	1	<R>
QR4026,27		MRN1404	TRANSISTOR	2	<R>
QR4028		MRN2404	TRANSISTOR	1	<R>
QR4029		UN2215	TRANSISTOR-RESISTOR	1	<R>
QR4030,31		MRN1404	TRANSISTOR	2	<R>
QR4033		UN2215	TRANSISTOR-RESISTOR	1	<R>
QR4034		MRN2404	TRANSISTOR	1	<R>
QR4035		UN2215	TRANSISTOR-RESISTOR	1	<R>
QR4038		MRN1404	TRANSISTOR	1	<R>
QR4039		UN2215	TRANSISTOR-RESISTOR	1	<R>
QR4040,41		MRN1404	TRANSISTOR	2	<R>
QR4042		MRN1402	TRANSISTOR	1	<R>
QR4043		MRN1404	TRANSISTOR	1	<R>
QR4044,45		MRN2404	TRANSISTOR	2	<R>
QR4046		MRN1403	TRANSISTOR	1	<R>
QR4047-50		MRN1404	TRANSISTOR	4	<R>
R4001		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R4002		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4003,04		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	2	
R4005		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R4006		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R4007,08		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R4009		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R4010		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R4011		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R4012		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4013-15		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	3	
R4016		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R4017		ERJ6GEYJ121	M.RESISTOR CH 1/10W 120	1	
R4018		ERJ6GEYJ154	M.RESISTOR CH 1/10W 150K	1	
R4019		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4020		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4021-23		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	3	
R4024		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R4025		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R4026		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R4027		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4028		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R4029		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4030		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4031		ERJ6GEYJ680	M.RESISTOR CH 1/10W 68	1	
R4032		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R4033		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4034,35		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	2	
R4036		ERJ6GEYJ103V	M.RESISTOR CH 1/10W 10K	1	
R4037		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4038,39		ERJ6GEYJ103V	M.RESISTOR CH 1/10W 10K	2	
R4040		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R4041		ERJ6GEYJ684	M.RESISTOR CH 1/10W 680K	1	
R4042		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4043		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4044		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4045		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R4046		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R4047		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R4048		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R4049		ERDS2TJ4R7	C.RESISTOR 1/4W 4.7	1	
R4050		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4051		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R4052		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R4053		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R4054		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R4055		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4056		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R4057		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R4058		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4059		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R4060		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R4061		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4062		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R4063		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R4064		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R4065		ERJ6GEYJ121	M.RESISTOR CH 1/10W 120	1	
R4066		ERJ6GEYJ181	M.RESISTOR CH 1/10W 180	1	
R4068		ERDS2TJ2R2	C.RESISTOR 1/4W 2.2	1	
R4069		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4070		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R4074		ERJ6GEYJ683	M.RESISTOR CH 1/10W 68K	1	
R4075		ERJ6GEYJ121	M.RESISTOR CH 1/10W 120	1	
R4076		ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R4077		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R4078		ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	
R4079		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R4080		VREO034E123	M.RESISTOR CH 1/10W 12K	1	
R4081-83		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	3	
R4084		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4085		VREO034E123	M.RESISTOR CH 1/10W 12K	1	
R4086		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R4087		ERJ6GEYJ121	M.RESISTOR CH 1/10W 120	1	
R4088		ERJ6GEYJ181	M.RESISTOR CH 1/10W 180	1	
R4090		ERDS2TJ2R2	C.RESISTOR 1/4W 2.2	1	
R4091		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4095		ERJ6GEYJ683	M.RESISTOR CH 1/10W 6.8K	1	
R4096		ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R4097		ERJ6GEYJ121	M.RESISTOR CH 1/10W 120	1	
R4098		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R4099		ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	
R4100		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R4101		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R4102,03		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	2	
R4104		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4105		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R4106		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R4107		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4108		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4109		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R4110		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R4111		ERDS2TJ2R2	C.RESISTOR 1/4W 2.2	1	
R4112		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R4113		VREO034E433	M.RESISTOR CH 1/10W 43K	1	
R4114		ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R4115		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4116		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R4117		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4118		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R4119		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R4120		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4121		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R4122		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R4123		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R4125		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4126		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R4127		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R4128		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4129		ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R4130		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R4131		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4132		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R4133		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R4134		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R4135		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4136		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R4137		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R4138-48		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	11	
R4150,51		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R4152		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R4153-58		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	6	
R4159		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
RY4001-03		VSY2067	RELAY	3	
T4001		VLTO538	TRANSFORMER	1	
VR4001		EVN32CA00B53	V.RESISTOR 5K	1	
VR4002		EVN32CA00B15	V.RESISTOR 100K	1	
VR4003		EVN32CA00B25	V.RESISTOR 200K	1	
VR4004		EVN32CA00B15	V.RESISTOR 100K	1	
VR4005		EVN32CA00B14	V.RESISTOR 10K	1	
VR4006		EVN32CA00B24	VARIABLE 20K	1	
VR4007		EVN32CA00B14	V.RESISTOR 10K	1	
VR4008		EVN32CA00B24	VARIABLE 20K	1	
VR4009		EVN32CA00B25	V.RESISTOR 200K	1	
VR4010,11		EVN32CA00B14	V.RESISTOR 10K	2	
			MISCELLANEOUS		
E44		VSC3424	SHIELD	1	
E45		VSC3425	SHIELD	1	
E46		VSC3426	SHIELD	1	
	■	VEP04326D	P.C.BOARD W/COMPONENT		AG-7150-E/B
			AUDIO (1)		
C4001		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C4002		ECEA1CU471	E.CAPACITOR 16V 470U	1	
C4003		ECEAOJU101	E.CAPACITOR 6.3V 100U	1	
C4004		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4007		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4008		ECEA1CU330	E.CAPACITOR 16V 33U	1	
C4009		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4010		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4014		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C4015		ECQB1H223JF	P.CAPACITOR 50V 0.022U	1	
C4019		ECQB1H182JF	P.CAPACITOR 50V 1800P	1	
C4020		ECEA50M1	E.CAPACITOR 50V 1U	1	
C4021		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4022		ECEAOJU101	E.CAPACITOR 6.3V 100U	1	
C4023		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C4025		ECUM1H331KBN	C.CAPACITOR CH 50V 330P	1	
C4026		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C4027		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C4029		ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C4030		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C4031		ECEA1CU101	E.CAPACITOR 16V 100U	1	
C4032		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C4033		ECEA50ZR68	E.CAPACITOR 50V 0.68U	1	
C4037		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C4039		ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C4040		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C4041		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4042		ECEAOJU221	E.CAPACITOR 6.3V 220U	1	
C4043		ECEA1CU100	E.CAPACITOR 16V 10U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C4044		ECEA50ZR68	E.CAPACITOR 50V 0.68U	1	
C4048		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C4049		ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C4051		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4053		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C4055		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C4056		ECQB1H332JF	P.CAPACITOR 50V 3300P	1	
C4057-62		ECEA1CU100	E.CAPACITOR 16V 10U	6	
C4063		ECQB1H272JF	P.CAPACITOR 50V 2700P	1	
C4064		ECEA1CN100S	E.CAPACITOR 16V 10U	1	
C4065		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4066		ECEA1CU330	E.CAPACITOR 16V 33U	1	
C4067		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4068		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4072		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C4073		ECQB1H223JF	P.CAPACITOR 50V 0.022U	1	
C4077		ECQB1H182JF	P.CAPACITOR 50V 1800P	1	
C4078		ECEA50M1	E.CAPACITOR 50V 1U	1	
C4079		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4080		ECEA0JU101	E.CAPACITOR 6.3V 100U	1	
C4081		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C4083		ECUM1H331KBN	C.CAPACITOR CH 50V 330P	1	
C4084		ECEA1HU010	E.CAPACITOR 50V 1U	1	
D4001		MA4056M	DIODE	1	<R>
D4002		MA151WA	DIODE	1	<R>
D4003		MA151K	DIODE	1	<R>
D4004		MA151WA	DIODE	1	<R>
D4007		MA151K	DIODE	1	<R>
D4008,09		MA3030	DIODE	2	<R>
D4010		MA151WK	DIODE	1	<R>
D4013		MA151K	DIODE	1	<R>
D4014		MA151WA	DIODE	1	<R>
FL4001,02		VLF0402	FILTER	2	
IC4001,02		LA7296	IC	2	<R>
IC4003		CXA1101P	IC	1	<R>
IC4004		RC4558M	IC	1	<R>
IC4005		AN6912S	IC	1	<R>
P4001		VJP3176B064	CONNECTOR(MALE)	1	
P4002		VJP1230R	CONNECTOR(MALE) 3P	1	
P4003		VJP1230T	CONNECTOR(MALE) 3P	1	
Q4001		2SD639	TRANSISTOR	1	(Q,R,S)<R>
Q4002		MSB710-R	TRANSISTOR	1	<R>
Q4004		MSD601-R	TRANSISTOR	1	<R>
Q4005		2SD1328-R	TRANSISTOR CHIP	1	(R,S)<R>
Q4006		MSD601-R	TRANSISTOR	1	<R>
Q4018,19		2SB779-R	TRANSISTOR	2	(R,S)<R>
Q4020		MSD602-R	TRANSISTOR	1	<R>
QR4003		MRN1402	TRANSISTOR	1	<R>
QR4005		MRN1402	TRANSISTOR	1	<R>
QR4007,08		MRN1404	TRANSISTOR	2	<R>
QR4009		MRN1402	TRANSISTOR	1	<R>
QR4010		MRN1404	TRANSISTOR	1	<R>
QR4011		MRN2404	TRANSISTOR	1	<R>
QR4012		MRN1404	TRANSISTOR	1	<R>
QR4014		MRN2404	TRANSISTOR	1	<R>
QR4017		UN2215	TRANSISTOR-RESISTOR	1	<R>
QR4020		MRN1404	TRANSISTOR	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
QR4021		UN2115	COMBINATION PARTS	1	<R>
QR4023,24		MRN1404	TRANSISTOR	2	<R>
QR4025		UN2115	COMBINATION PARTS	1	<R>
QR4027		MRN1404	TRANSISTOR	1	<R>
QR4028		MRN2404	TRANSISTOR	1	<R>
QR4029		UN2215	TRANSISTOR-RESISTOR	1	<R>
QR4034		MRN2404	TRANSISTOR	1	<R>
QR4035		UN2215	TRANSISTOR-RESISTOR	1	<R>
QR4038		MRN1404	TRANSISTOR	1	<R>
R4001		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R4002		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4003,04		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	2	
R4005		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R4006		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R4008		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4009		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R4010		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R4011		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R4012		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4013-15		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	3	
R4016		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R4017		ERJ6GEYJ121	M.RESISTOR CH 1/10W 120	1	
R4018		ERJ6GEYJ154	M.RESISTOR CH 1/10W 150K	1	
R4019		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4030		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4031		ERJ6GEYJ680	M.RESISTOR CH 1/10W 68	1	
R4032		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R4033		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4034,35		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	2	
R4036		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4037		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4039		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4040		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R4041		ERJ6GEYJ684	M.RESISTOR CH 1/10W 680K	1	
R4042		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4043		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4044		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4045		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R4068		ERDS2TJ2R2	C.RESISTOR 1/4W 2.2	1	
R4074		ERJ6GEYJ683	M.RESISTOR CH 1/10W 68K	1	
R4075		ERJ6GEYJ121	M.RESISTOR CH 1/10W 120	1	
R4076		ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R4078		ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	
R4081-83		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	3	
R4084		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4090		ERDS2TJ2R2	C.RESISTOR 1/4W 2.2	1	
R4095		ERJ6GEYJ683	M.RESISTOR CH 1/10W 68K	1	
R4096		ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R4097		ERJ6GEYJ121	M.RESISTOR CH 1/10W 120	1	
R4099		ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	
R4102,03		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	2	
R4104		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4105		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R4106		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R4108		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4109		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R4110		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R4111		ERDS2TJ2R2	C.RESISTOR 1/4W 2.2	1	
R4112		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R4113		VRB0034E433	M.RESISTOR CH 1/10W 43K	1	
R4114		ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R4123		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R4125		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4126		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R4127		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R4129		ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R4157		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4160		ERJ6GEYJ222	M.RESISTOR 1/10W 2.2K	1	
RY4003		VSY2067	RELAY	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
VR4005		EVN32CA00B14	V.RESISTOR 10K	1	
VR4006		EVN32CA00B24	VARIABLE 20K	1	
VR4007		EVN32CA00B14	V.RESISTOR 10K	1	
VR4008		EVN32CA00B24	VARIABLE 20K	1	
	■	VEP04327C	P.C.BOARD W/COMPONENT		
			AUDIO (2)		
C4501		ECEA1CPZ100	E.CAPACITOR 16V 10U	1	
C4502		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4503-05		ECEA1CPZ100	E.CAPACITOR 16V 10U	3	
C4506		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4507,08		ECEA1CPZ100	E.CAPACITOR 16V 10U	2	
C4509,10		ECEA1CU470	E.CAPACITOR 16V 47U	2	
C4511		ECEA1CU330	E.CAPACITOR 16V 33U	1	
C4512		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C4513		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4514		ECEA1CU330	E.CAPACITOR 16V 33U	1	
C4515		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4516		ECEA1CN100S	E.CAPACITOR 16V 10U	1	
C4517,18		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C4519		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C4520		ECEA1CN100S	E.CAPACITOR 16V 10U	1	
C4521,22		ECEA1CPZ100	E.CAPACITOR 16V 10U	2	
C4523		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4524		ECEA1CPZ100	E.CAPACITOR 16V 10U	1	
C4525		ECEA1CU101	E.CAPACITOR 16V 100U	1	
C4526		ECEA1CU220	E.CAPACITOR 16V 22U	1	
C4527,28		ECEA1CPZ100	E.CAPACITOR 16V 10U	2	
C4529,30		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C4531		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4532		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4533		ECEA1CPZ100	E.CAPACITOR 16V 10U	1	
C4534		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4535		ECEA1CPZ100	E.CAPACITOR 16V 10U	1	
C4536,37		ECEA1CU100	E.CAPACITOR 16V 10U	2	
C4538		ECEA1CPZ100	E.CAPACITOR 16V 10U	1	
C4539		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4540		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4541		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4542,43		ECEA1CPZ100	E.CAPACITOR 16V 10U	2	
C4544		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4545		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4546		ECEA1CPZ100	E.CAPACITOR 16V 10U	1	
C4547		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4548		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4549		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4550		ECEA1CPZ100	E.CAPACITOR 16V 10U	1	
C4551		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4552		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4553		ECEA1CPZ100	E.CAPACITOR 16V 10U	1	
C4554,55		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C4556		ECEA1CPZ100	E.CAPACITOR 16V 10U	1	
C4557		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C4558,59		ECEA1HU4R7	E.CAPACITOR 50V 4.7U	2	
C4560,61		ECEA1CU100	E.CAPACITOR 16V 10U	2	
C4562		ECEA1HN010S	E.CAPACITOR 50V 1U	1	
C4563		ECEA1CU221	E.CAPACITOR 16V 220U	1	
C4564,65		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C4566		ECEA1CPZ100	E.CAPACITOR 16V 10U	1	
C4701,02		ECEA1HPZ3R3	E.CAPACITOR 50V 3.3U	2	
C4703		ECQB1H102JF	P.CAPACITOR 50V 1000P	1	
C4704		ECQB1H682JF	P.CAPACITOR 50V 6800P	1	
C4705		ECQB1H223JF	P.CAPACITOR 50V 0.022U	1	
C4706		ECEA1HPZ4R7	E.CAPACITOR 50V 4.7U	1	
C4707		ECQB1H223JF	P.CAPACITOR 50V 0.022U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C4708		ECEA1CPZ100	E.CAPACITOR 16V 10U	1	
C4709		ECEA1CPZ470	E.CAPACITOR 16V 47U	1	
C4710		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C4711		ECQB1H332JF	P.CAPACITOR 50V 3300P	1	
C4712-14		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	3	
C4715		ECEA1HPZ4R7	E.CAPACITOR 50V 4.7U	1	
C4716		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C4717		ECEA1CU471	E.CAPACITOR 16V 470U	1	
C4718		ECEA1APZ101	E.CAPACITOR 10V 100U	1	
C4719,20		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C4721		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C4722		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C4723		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C4724		ECEA0JU330	E.CAPACITOR 6.3V 33U	1	
C4725		ECQV1H274JZ	P.CAPACITOR 50V 0.27U	1	
C4726,27		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C4728		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4729		ECEA1APZ101	E.CAPACITOR 10V 100U	1	
C4730		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C4731		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C4732		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C4733		ECEA1HPZ4R7	E.CAPACITOR 50V 4.7U	1	
C4734-36		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	3	
C4737		ECQB1H332JF	P.CAPACITOR 50V 3300P	1	
C4738		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C4739		ECEA1CPZ470	E.CAPACITOR 16V 47U	1	
C4740		ECEA1HPZ4R7	E.CAPACITOR 50V 4.7U	1	
C4741		ECQB1H223JF	P.CAPACITOR 50V 0.022U	1	
C4742		ECEA1CPZ100	E.CAPACITOR 16V 10U	1	
C4743		ECQB1H223JF	P.CAPACITOR 50V 0.022U	1	
C4744		ECEA1HPZ010	E.CAPACITOR 50V 1U	1	
C4745		ECQB1H682JF	P.CAPACITOR 50V 6800P	1	
C4746,47		ECEA1EB2R7	E.CAPACITOR 25V 4.7U	2	
C4748		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4749,50		ECEA1APZ101	E.CAPACITOR 10V 100U	2	
C4751		ECEA1CPZ470	E.CAPACITOR 16V 47U	1	
C4752		ECEA1CPZ220	E.CAPACITOR 16V 22U	1	
C4755,56		ECEA1CPZ100	E.CAPACITOR 16V 10U	2	
C4758		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4759		ECQB1H102JF	P.CAPACITOR 50V 1000P	1	
C4760		ECEA1HPZ010	E.CAPACITOR 50V 1U	1	
C4761		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C4762		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4763		ECEA1APZ101	E.CAPACITOR 10V 100U	1	
C4764		ECEA1AU470	E.CAPACITOR 10V 47U	1	
C4765		ECQB1H823JF	P.CAPACITOR 50V 0.082U	1	
C4766,67		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
D4503		MA153	DIODE	1	<R>
D4504		MA3043	DIODE	1	<R>
D4505,06		0A90	DIODE	2	<R>
D4507		MA3043	DIODE	1	<R>
D4508,09		0A90	DIODE	2	<R>
D4511,12		MA700	DIODE	2	<R>
FL4701		VLF0826	FILTER	1	
FL4702		VLF0825	FILTER	1	
IC4501,02		RC4558M	IC	2	<R>
IC4503,04		MC14052BF	IC	2	<R>
IC4505		M51132L	IC	1	<R>
IC4506		RC4558M	IC	1	<R>
IC4507		MC14053BF	IC	1	<R>
IC4508-10		RC4558M	IC	3	<R>
IC4511		MC14053BF	IC	1	<R>
IC4512		MC14066BF	IC	1	<R>
IC4513		NJM4556D	IC	1	<R>
IC4514		RC4558M	IC	1	<R>
IC4701		BA7705K1	IC	1	<R>

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC4702	UPC78N05H	IC	1	<R>
IC4703	AN3912	IC	1	<R>
L4501-04	VLQEL05S101J	COIL 100UH	4	
L4703-05	VLQEL05S101J	COIL 100UH	3	
P4501	VJP3176B064	CONNECTOR(MALE)	1	
P4701	VJP1238T	CONNECTOR(MALE) 11P	1	
Q4501	MSB709-R	TRANSISTOR	1	<R>
Q4502-08	2SD1328-R	TRANSISTOR CHIP	7	(R,S)<R>
Q4509	MSD601-R	TRANSISTOR	1	<R>
Q4510,11	2SD1328-R	TRANSISTOR CHIP	2	(R,S)<R>
Q4701,02	2SD1328-R	TRANSISTOR CHIP	2	(R,S)<R>
Q4703	2SD636-R	TRANSISTOR	1	(R,S)<R>
Q4704,05	MSD601-R	TRANSISTOR	2	<R>
Q4706	XN1501	TRANSISTOR-TRANSISTOR	1	<R>
Q4707	2SB790	TRANSISTOR	1	<R>
QR4501-03	MRN1404	TRANSISTOR	3	<R>
QR4504	MRN1403	TRANSISTOR	1	<R>
QR4505	MRN1404	TRANSISTOR	1	<R>
QR4701	MRN2404	TRANSISTOR	1	<R>
QR4702	MRN1402	TRANSISTOR	1	<R>
QR4703	MRN1404	TRANSISTOR	1	<R>
QR4706	MRN2404	TRANSISTOR	1	<R>
QR4707,08	MRN1404	TRANSISTOR	2	<R>
QR4709,10	MRN2404	TRANSISTOR	2	<R>
QR4711,12	MRN1404	TRANSISTOR	2	<R>
QR4713	MRN2404	TRANSISTOR	1	<R>
QR4714	MRN1404	TRANSISTOR	1	<R>
QR4715	MRN1403	TRANSISTOR	1	<R>
R4501	ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R4502	ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R4503	ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R4504	ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R4505	ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R4506	ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R4507	ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R4508	ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R4509	ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R4510	ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R4511	ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R4512-14	ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	3	
R4515,16	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R4517-20	ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	4	
R4521-24	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	4	
R4525,26	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R4527,28	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R4529	ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R4530	ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R4531	ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R4532	ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R4533	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4534	ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R4535	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4536	ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R4537-40	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	4	
R4541,42	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R4543-46	ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	4	
R4547,48	ERJ6GEYG682	M.REISITOR CH 1/10W 6.8K	2	
R4549,50	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R4551	ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R4552	ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4553	ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R4554	ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R4555	ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R4556	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4557	ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R4558	ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R4559,60	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R4561	ERJ6GEYG822	M.RESISTOR CH 1/10W 8.2K	1	
R4562	ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	1	
R4563,64	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R4565	ERJ6GEYG822	M.RESISTOR CH 1/10W 8.2K	1	
R4566	ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	1	
R4567	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4568	ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R4569	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4570	ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R4571	ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R4572	ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R4573-80	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	8	
R4581	ERJ6GEYJ121	M.RESISTOR CH 1/10W 120	1	
R4701	ERJ6GEYG821	M.RESISTOR CH 1/10W 820	1	
R4702	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R4703	ERJ6GEYG821	M.RESISTOR CH 1/10W 820	1	
R4704	VRE0034E112	M.RESISTOR CH 1/10W 1.1K	1	
R4705	VRE0034E103	M.RESISTOR CH 1/10W 10K	1	
R4706	ERJ6GEYG183	M.RESISTOR CH 1/10W 18K	1	
R4707	ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	1	
R4708	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R4709	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4710,11	VRE0034E223	M.RESISTOR CH 1/10W 22K	2	
R4712	VRE0034E393	M.RESISTOR CH 1/10W 39K	1	
R4713	VRE0034E163	M.RESISTOR CH 1/10W 16K	1	
R4714	ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R4715	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4716,17	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R4718	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4719	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R4720	ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	1	
R4721	ERJ6GEYG183	M.RESISTOR CH 1/10W 18K	1	
R4722	VRE0034E103	M.RESISTOR CH 1/10W 10K	1	
R4723	VRE0034E112	M.RESISTOR CH 1/10W 1.1K	1	
R4724	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R4725,26	ERJ6GEYG821	M.RESISTOR CH 1/10W 820	2	
R4727	ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R4728	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4731,32	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	2	
R4733,34	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R4735,36	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R4738	ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R4742	ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R4744	ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R4745	ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R4746	ERJ6GEYG512	M.RESISTOR CH 1/10W 5.1K	1	
R4747	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R4748	ERJ6GEYG512	M.RESISTOR CH 1/10W 5.1K	1	
R4749	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R4750	ERJ6GEYG303	M.RESISTOR CH 1/10W 30K	1	
R4751	ERJ6GEYG113	M.RESISTOR CH 1/10W 11K	1	
R4752	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4754	ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4755	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4757	ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R4758,59	ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	2	
R4760	ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R4761	ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R4762	ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R4764,65	ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	2	
R4766	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4767	ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	1	
R4768	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4769	ERJ6GEYG303	M.RESISTOR CH 1/10W 30K	1	
R4770,71	ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	2	
R4772,73	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R4825	ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
VR4501,02		EVN32CA00B13	V.RESISTOR 1K	2	
VR4503,04		EVN32CA00B53	V.RESISTOR 5K	2	
VR4701,02		EVN32CA00B13	V.RESISTOR 1K	2	
VR4703		EVMF6SA00B14	V.RESISTOR 10K	1	
VR4704		EVN32CA00B24	VARIABLE 20K	1	
VR4705		EVMF6SA00B25	V.RESISTOR 200K	1	
VR4706		EVN32CA00B14	V.RESISTOR 10K	1	
VR4707		EVN32CA00B54	V.RESISTOR 50K	1	
VR4708		EVN32CA00B25	V.RESISTOR 200K	1	
VR4709		EVN32CA00B24	VARIABLE 20K	1	
VR4710		EVMF6SA00B25	V.RESISTOR 200K	1	
VR4711		EVMF6SA00B53	V.RESISTOR 5K	1	
VR4712		EVN32CA00B24	VARIABLE 20K	1	
	■	VEP04327D	P.C.BOARD W/COMPONENT		
			AUDIO (2)		
C4525		ECEA1CU101	E.CAPACITOR 16V 100U	1	
C4526		ECEA1CU220	E.CAPACITOR 16V 22U	1	
C4527,28		ECEA1CPZ100	E.CAPACITOR 16V 10U	2	
C4529,30		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C4531		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4532		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4534		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4535		ECEA1CPZ100	E.CAPACITOR 16V 10U	1	
C4536,37		ECEA1CU100	E.CAPACITOR 16V 10U	2	
C4538		ECEA1CPZ100	E.CAPACITOR 16V 10U	1	
C4539		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4540		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4541		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4542,43		ECEA1CPZ100	E.CAPACITOR 16V 10U	2	
C4544		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4545		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4546		ECEA1CPZ100	E.CAPACITOR 16V 10U	1	
C4547		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4548		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4549		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4550		ECEA1CPZ100	E.CAPACITOR 16V 10U	1	
C4551		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4552		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4553		ECEA1CPZ100	E.CAPACITOR 16V 10U	1	
C4554,55		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C4556		ECEA1CPZ100	E.CAPACITOR 16V 10U	1	
C4565		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4566		ECEA1CPZ100	E.CAPACITOR 16V 10U	1	
C4701,02		ECEA1HPZ3R3	E.CAPACITOR 50V 3.3U	2	
C4703		ECQB1H102JF	P.CAPACITOR 50V 1000P	1	
C4704		ECQB1H682JF	P.CAPACITOR 50V 6800P	1	
C4705		ECQB1H223JF	P.CAPACITOR 50V 0.022U	1	
C4706		ECEA1HPZ4R7	E.CAPACITOR 50V 4.7U	1	
C4707		ECQB1H223JF	P.CAPACITOR 50V 0.022U	1	
C4708		ECEA1CPZ100	E.CAPACITOR 16V 10U	1	
C4709		ECEA1CPZ470	E.CAPACITOR 16V 47U	1	
C4710		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C4711		ECQB1H332JF	P.CAPACITOR 50V 3300P	1	
C4712-14		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	3	
C4715		ECEA1HPZ4R7	E.CAPACITOR 50V 4.7U	1	
C4716		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C4717		ECEA1CU471	E.CAPACITOR 16V 470U	1	
C4718		ECEA1APZ101	E.CAPACITOR 10V 100U	1	
C4719,20		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C4721		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C4722		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C4723		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C4724		ECEA0JU330	E.CAPACITOR 6.3V 33U	1	
C4725		ECQV1H274JZ	P.CAPACITOR 50V 0.27U	1	
C4726,27		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C4728		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4729		ECEA1APZ101	E.CAPACITOR 10V 100U	1	
C4730		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C4731		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C4732		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C4733		ECEA1HPZ4R7	E.CAPACITOR 50V 4.7U	1	
C4734-36		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	3	
C4737		ECQB1H332JF	P.CAPACITOR 50V 3300P	1	
C4738		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C4739		ECEA1CPZ470	E.CAPACITOR 16V 47U	1	
C4740		ECEA1HPZ4R7	E.CAPACITOR 50V 4.7U	1	
C4741		ECQB1H223JF	P.CAPACITOR 50V 0.022U	1	
C4742		ECEA1CPZ100	E.CAPACITOR 16V 10U	1	
C4743		ECQB1H223JF	P.CAPACITOR 50V 0.022U	1	
C4745		ECQB1H682JF	P.CAPACITOR 50V 6800P	1	
C4748		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4750		ECEA1APZ101	E.CAPACITOR 10V 100U	1	
C4751		ECEA1CPZ470	E.CAPACITOR 16V 47U	1	
C4752		ECEA1CPZ220	E.CAPACITOR 16V 22U	1	
C4755,56		ECEA1CPZ100	E.CAPACITOR 16V 10U	2	
C4758		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4759		ECQB1H102JF	P.CAPACITOR 50V 1000P	1	
C4761		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C4762		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4763		ECEA1APZ101	E.CAPACITOR 10V 100U	1	
C4764		ECEA1AU470	E.CAPACITOR 10V 47U	1	
C4765		ECQB1H823JF	P.CAPACITOR 50V 0.082U	1	
C4766		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
D4503		MA153	DIODE	1	<R>
FL4701		VLF0826	FILTER	1	
FL4702		VLF0825	FILTER	1	
IC4506		RC4558M	IC	1	<R>
IC4507		MC14053BF	IC	1	<R>
IC4508-10		RC4558M	IC	3	<R>
IC4511		MC14053BF	IC	1	<R>
IC4512		MC14066BF	IC	1	<R>
IC4513		NJM4556D	IC	1	<R>
IC4701		BA7705K1	IC	1	<R>
IC4702		UPC78N05	IC	1	<R>
IC4703		AN3912	IC	1	<R>
L4501,02		VLQEL05S101J	COIL 100UH	2	
L4703-05		VLQEL05S101J	COIL 100UH	3	
P4501		VJP3176B064	CONNECTOR(MALE)	1	
P4701		VJP1238T	CONNECTOR(MALE) 11P	1	
Q4501		MSB709-R	TRANSISTOR	1	<R>
Q4502-08		2SD1328-R	TRANSISTOR CHIP	7	(R,S)<R>
Q4701,02		2SD1328-R	TRANSISTOR CHIP	2	(R,S)<R>
Q4704		MSD601-R	TRANSISTOR	1	<R>
QR4504		MRN1403	TRANSISTOR	1	<R>
QR4701		MRN2404	TRANSISTOR	1	<R>
QR4706		MRN2404	TRANSISTOR	1	<R>
QR4707,08		MRN1404	TRANSISTOR	2	<R>
QR4709,10		MRN2404	TRANSISTOR	2	<R>
QR4712		MRN1404	TRANSISTOR	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
QR4713		MRN2404	TRANSISTOR	1	<R>
QR4714		MRN1404	TRANSISTOR	1	<R>
R4529		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R4530		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R4531		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R4532		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R4533		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4534		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R4535		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4536		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R4537-40		ERJ6GEYJ103V	M.RESISTOR CH 1/10W 10K	4	
R4541,42		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R4543-46		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	4	
R4547,48		ERJ6GEYG682	M.REISITOR CH 1/10W 6.8K	2	
R4549,50		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R4551		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R4552		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R4553		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R4554		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R4555		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R4556		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4557		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R4558		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R4559,60		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R4561		ERJ6GEYG822	M.RESISTOR CH 1/10W 8.2K	1	
R4562		ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	1	
R4563,64		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R4565		ERJ6GEYG822	M.RESISTOR CH 1/10W 8.2K	1	
R4566		ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	1	
R4567		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4568		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R4569		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4573-75		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	3	
R4701		ERJ6GEYG821	M.RESISTOR CH 1/10W 820	1	
R4702		ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R4703		ERJ6GEYG821	M.RESISTOR CH 1/10W 820	1	
R4704		VRE0034E112	M.RESISTOR CH 1/10W 1.1K	1	
R4705		VRE0034E103	M.RESISTOR CH 1/10W 10K	1	
R4706		ERJ6GEYG183	M.RESISTOR CH 1/10W 18K	1	
R4707		ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	1	
R4708		ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R4709		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4710,11		VRE0034E223	M.RESISTOR CH 1/10W 22K	2	
R4712		VRE0034E393	M.RESISTOR CH 1/10W 39K	1	
R4713		VRE0034E163	M.RESISTOR CH 1/10W 16K	1	
R4714		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R4715		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4716,17		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R4718		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4719		ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R4720		ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	1	
R4721		ERJ6GEYG183	M.RESISTOR CH 1/10W 18K	1	
R4722		VRE0034E103	M.RESISTOR CH 1/10W 10K	1	
R4723		VRE0034E112	M.RESISTOR CH 1/10W 1.1K	1	
R4724		ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R4725,26		ERJ6GEYG821	M.RESISTOR CH 1/10W 820	2	
R4727		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R4730		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4731,32		ERJ6GEYG331	M.RESISTOR CH 1/10W 330	2	
R4733,34		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R4735,36		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R4737		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4738		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R4750		ERJ6GEYG303	M.RESISTOR CH 1/10W 30K	1	
R4751		ERJ6GEYG113	M.RESISTOR CH 1/10W 11K	1	
R4752		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4755		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4757		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R4758,59		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	2	
R4760		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R4761		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R4762		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R4768		ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4769		ERJ6GEYG303	M.RESISTOR CH 1/10W 30K	1	
R4772,73		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
VR4703		EVMF6SA00B14	V.RESISTOR 10K	1	
VR4704		EVN32CA00B24	VARIABLE 20K	1	
VR4705		EVMF6SA00B25	V.RESISTOR 200K	1	
VR4707		EVN32CA00B54	V.RESISTOR 50K	1	
VR4708		EVN32CA00B25	V.RESISTOR 200K	1	
VR4710		ECMF6SA00B25	V.RESISTOR	1	
VR4711		EVMF6SA00B53	V.RESISTOR 5K	1	
VR4712		EVN32CA00B24	VARIABLE 20K	1	
	■	VEP05162C	P.C.BOARD W/COMPONENT		AG-7350-E/B
			HEAD AMP		
C5001		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C5002,03		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C5004		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C5005		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C5006-08		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C5009		ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	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 80P	1	
C5018,19		ECUM1C224ZFN	C.CAPACITOR CH 16V 0.22U	2	
C5020		ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C5021		ECUM1H080DCN	C.CAPACITOR CH 50V 80P	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	
C5056,57		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C5058		VCYE1C104MR1	S.CAPACITOR 16V 0.1U	1	
C5059		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C5060		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C5061		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C5062		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5063		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C5066		ECUM1C224ZFN	C.CAPACITOR CH 16V 0.22U	1	
D5001,02		MA151K	DIODE	2	<R>
D5004		MA151K	DIODE	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
IC5001		AN3334K	IC	1	<R>
IC5002		BA7740FS	IC	1	<R>
IC5003		AN3370K	IC	1	<R>
L5001-04		VLQ0460	COIL	4	
L5007		VLQ0460	COIL	1	
L5008		VLQ0188J5R6	COIL	1	
P5001		VJP1251T	CONNECTOR(MALE) 11P	1	
P5002		VJS2603	CONNECTOR(FEMALE) 12P	1	
P5003		VJP1251T	CONNECTOR(MALE) 11P	1	
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	1	<R>
R5001		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R5002		ERJ6GEYJ474	M.RESISTOR CH 1/10W 470K	1	
R5003		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R5004		ERJ6GEYJ101V	M.RESISTOR CH 1/10W 100	1	
R5005		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R5006		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R5007		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R5009		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R5010		ERJ6GEYK1R0	M.RESISTOR CH 1/10W 1	1	
R5011-14		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	4	
R5015-18		ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	4	
R5019		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R5020,21		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	2	
R5022		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R5026		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R5027		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R5028		ERJ6GEYG243	M.RESISTOR CH 1/10W 24K	1	
R5029		ERJ6GEYG273	M.RESISTOR CH 1/10W 27K	1	
R5030		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R5031		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R5032		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R5033		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R5034		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R5036		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R5037,38		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	2	
R5039		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R5040		ERDS2TJ151	C.RESISTOR 1/4W 150	1	
R5041		ERJ6GEYJ180	M.RESISTOR CH 1/10W 18	1	
R5042,43		ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	2	
R5044,45		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R5046,47		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R5056		VRE0034E182	M.RESISTOR CH 1/10W 1.8K	1	
R5057		VRE0034E332	M.RESISTOR CH 1/10W 3.3K	1	
R5058		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R5059		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
VR5001,02		EVN32CA00B23	V.RESISTOR 2K	2	
			MISCELLANEOUS		

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
E49		VSC3119	SHIELD (MAIN)	1	
E50		VSC3039	SHIELD (TOP)	1	
E51		VSC3040	SHIELD (BOTTOM)	1	
E52		VJF0215	BAIND	1	
	■	VEP05162D	P.C.BOARD W/COMPONENT		
			HEAD AMP		
C5001		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C5002,03		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C5004		ECEA1HKA010	E.CAPACITOR 50V 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 80P	1	
C5018,19		ECUM1C224ZFN	C.CAPACITOR CH 16V 0.22U	2	
C5020		ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C5021		ECUM1H080DCN	C.CAPACITOR CH 50V 80P	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		ECUM1C224ZFN	C.CAPACITOR CH 16V 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		VJP1251T	CONNECTOR(MALE) 11P	1	
P5002		VJS2603	CONNECTOR(FEMALE) 12P	1	
P5003		VJP1251T	CONNECTOR(MALE) 11P	1	
Q5001		MSB709-R	TRANSISTOR	1	<R>
Q5003		XN4504	TRANSISTOR	1	<R>
Q5005		MSC2295-B	TRANSISTOR	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
QR5001		MRN1404	TRANSISTOR	1	<R>
R5001		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R5002		ERJ6GEYJ474	M.RESISTOR CH 1/10W 470K	1	
R5003		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R5004		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R5005		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R5006		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R5007		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R5010		ERJ6GEYK1R0	M.RESISTOR CH 1/10W 1	1	
R5011-14		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	4	
R5015-18		ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	4	
R5019		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R5022		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R5026		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R5027		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R5028		ERJ6GEYG243	M.RESISTOR CH 1/10W 24K	1	
R5029		ERJ6GEYG273	M.RESISTOR CH 1/10W 27K	1	
R5030		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R5031		ERJ6GEYJ103V	M.RESISTOR CH 1/10W 10K	1	
R5032		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R5034		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R5036		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R5037,38		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	2	
R5039		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R5041-43		ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	3	
R5044,45		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	2	
R5046,47		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R5059		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
			MISCELLANEOUS		
E49		VSC3119	SHIELD (MAIN)	1	
E50		VSC3039	SHIELD (TOP)	1	
E51		VSC3040	SHIELD (BOTTOM)	1	
E52		VJF0215	BAIND	1	
	■	VEP06749C	P.C.BOARD W/COMPONENT		AG-7350-E/B
			FRONT		
C6201		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C6202		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C6203		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C6204		ECEA1HKSR22	E.CAPACITOR 50V 0.22U	1	
C6205		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C6206		ECUM1H080DCN	C.CAPACITOR CH 50V 80P	1	
C6207		ECEA0JU102	E.CAPACITOR 6.3V 1000U	1	
C6208		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C6209		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C6210		ECEA1HKS220	E.CAPACITOR 50V 22U	1	
C6211		ECEA1CKS330	E.CAPACITOR 16V 33U	1	
C6212		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C6213,14		ECEA0JKS101	E.CAPACITOR 6.3V 100U	2	
C6215		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C6216		ECEA1CKS330	E.CAPACITOR 16V 33U	1	
C6217		ECEA1HKS220	E.CAPACITOR 50V 22U	1	
D6201-05		LN440YCPUVT	DIODE	5	<R>
D6206		MA151K	DIODE	1	<R>
D6207,08		LN31GCPHLG4	DIODE	2	<R>
D6209,10		LN440YCPUVT	DIODE	2	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
D6211		LN840RCP	DIODE	1	<R>
D6212-35		MA151K	DIODE	24	<R>
D6236,37		MA165TA5VT	DIODE	2	<R>
D6238		MA4051L	DIODE	1	<R>
D6239-41		MA151K	DIODE	3	<R>
D6243		MA151K	DIODE	1	<R>
D6244		LN440YCPUVT	DIODE	1	<R>
D6245-47		MA151K	DIODE	3	<R>
D6248		MA700A	DIODE	1	<R>
D6249		MA4300M	DIODE	1	<R>
DP6201		VSL0254	DISPLAY TUBE	1	
IC6201		MN15283VSTL3	IC	1	<R>
IC6202		MN1220	IC	1	<R>
IC6203		MN1280R	IC	1	<R>
IC6204		MN1280L	IC	1	<R>
IC6205		AN78M05F	IC	1	<R>
L6201		VLQEL05K101J	COIL 100UH	1	
P6201-04		VJP3152	CONNECTOR(MALE) 10P	4	
P6205		VJP1237T	CONNECTOR(MALE) 10P	1	
P6206		VJP1231T	CONNECTOR(MALE) 4P	1	
P6207		VJP1236T	CONNECTOR(MALE) 9P	1	
P6208		VJP1247T	CONNECTOR(MALE) 7P	1	
P6209		VJP1394T	CONNECTOR(MALE) 13P	1	
Q6201-04		2SB643	TRANSISTOR	4	<R>
Q6205-09		2SD636	TRANSISTOR	5	<R>
Q6210		2SB642	TRANSISTOR	1	<R>
QR6201-05		MRN1404	TRANSISTOR	5	<R>
QR6206		UN1112	TRANSISTOR-RESISTOR	1	<R>
QR6207		MRN1404	TRANSISTOR	1	<R>
R6201-05		ERDS2TJ470	C.RESISTOR 1/4W 47	5	
R6206		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R6207-11		ERDS2TJ470	C.RESISTOR 1/4W 47	5	
R6212-15		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	4	
R6216-19		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	4	
R6220-23		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	4	
R6224		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R6225		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R6226-33		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	8	
R6234		ERDS2TJ152	C.RESISTOR 1/4W 1.5K	1	
R6235		ERJ6GEYJ332	C.RESISTOR 1/4W 3.3K	1	
R6236		ERJ6GEYJ103	C.RESISTOR 1/4W 10K	1	
R6237		ERDS2TJ223	C.RESISTOR 1/4W 22K	1	
R6238		ERDS2TJ470	C.RESISTOR 1/4W 47	1	
R6239		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R6240,41		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R6242		ERDS2TJ104	C.RESISTOR 1/4W 100K	1	
R6243		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R6244		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R6245		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R6246		ERDS2TJ470	C.RESISTOR 1/4W 47	1	
R6247,48		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R6249		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R6250		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R6251		ERJ6GEYJ103V	M.RESISTOR CH 1/10W 10K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
RA6201-04		EXBF5E103J	COMBI.R-R 10K	4	
RA6205		EXBF5E473J	RESISTOR-RESISTOR	1	
SW6201-17		EVQQJ104K	SWITCH	17	<R>
SW6218,19		VSS0324	SWITCH	2	<R>
SW6220		VSS0225	SWITCH	1	<R>
SW6221		VSS0152	SWITCH	1	<R>
SW6222		VSS0225	SWITCH	1	<R>
SW6223		VSS0324	SWITCH	1	<R>
SW6224,25		VSS0225	SWITCH	2	<R>
SW6226		VSS0324	SWITCH	1	<R>
SW6227		VSS0225	SWITCH	1	<R>
X6201		VSX0094	CRYSTAL OSCILLATOR	1	<R>
X6202		VSX0140	CRYSTAL OSCILLATOR	1	<R>
	■	VEP06749D	P.C.BOARD W/COMPONENT FRONT		AG-7150-E/B
C6201		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C6202		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C6203		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C6204		ECEA1HKSR22	E.CAPACITOR 50V 0.22U	1	
C6205		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C6206		ECUM1H080DCN	C.CAPACITOR CH 50V 80P	1	
C6207		ECEA0JU102	E.CAPACITOR 6.3V 1000U	1	
C6208		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C6209		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C6210		ECEA1HKS220	E.CAPACITOR 50V 22U	1	
C6211		ECEA1CKS330	E.CAPACITOR 16V 33U	1	
C6212		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C6213,14		ECEA0JKS101	E.CAPACITOR 6.3V 100U	2	
C6215		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C6216		ECEA1CKS330	E.CAPACITOR 16V 33U	1	
C6217		ECEA1HKS220	E.CAPACITOR 50V 22U	1	
D6201-05		LN440YCPUVT	DIODE	5	<R>
D6206		MA151K	DIODE	1	<R>
D6207,08		LN31GCPHLG4	DIODE	2	<R>
D6209		LN440YCPUVT	DIODE	1	<R>
D6212-16		MA151K	DIODE	5	<R>
D6218-22		MA151K	DIODE	5	<R>
D6224-35		MA151K	DIODE	12	<R>
D6236,37		MA165TA5VT	DIODE	2	<R>
D6238		MA4051-L	DIODE	1	<R>
D6239-41		MA151K	DIODE	3	<R>
D6244		LN440YCPUVT	DIODE	1	<R>
D6245-47		MA151K	DIODE	3	<R>
D6248		MA700A	DIODE	1	<R>
D6249		MA4300M	DIODE	1	<R>
DP6201		VSL0254	DISPLAY TUBE	1	
IC6201		MN15283VSTL3	IC	1	<R>
IC6202		MN1220	IC	1	<R>
IC6203		MN1280R	IC	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
IC6204		MN1280L	IC	1	<R>
IC6205		AN78M05F	IC	1	<R>
J6203,04		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
L6201		VLQEL05K101J	COIL 100UH	1	
P6201-04		VJP3152	CONNECTOR(MALE)	4	
P6205		VJP1237T	CONNECTOR(MALE) 10P	1	
P6206		VJP1231T	CONNECTOR(MALE) 4P	1	
P6207		VJP1236T	CONNECTOR(MALE) 9P	1	
P6208		VJP1247T	CONNECTOR(MALE) 7P	1	
Q6201-04		2SB643	TRANSISTOR	4	<R>
Q6205-09		2SD636	TRANSISTOR	5	<R>
Q6210		2SB642	TRANSISTOR	1	<R>
QR6201-05		MRN1404	TRANSISTOR	5	<R>
QR6206		UN1112	TRANSISTOR-RESISTOR	1	<R>
QR6207		MRN1404	TRANSISTOR	1	<R>
R6201-05		ERDS2TJ470	C.RESISTOR 1/4W 47	5	
R6206		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R6207-09		ERDS2TJ470	C.RESISTOR 1/4W 47	3	
R6212-15		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	4	
R6216-19		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	4	
R6220-23		ERJ6GEYJ332V	M.RESISTOR CH 1/10W 3.3K	4	
R6224		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R6225		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R6226-33		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	8	
R6234		ERDS2TJ152	C.RESISTOR 1/4W 1.5K	1	
R6235		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R6236		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R6237		ERDS2TJ223	C.RESISTOR 1/4W 22K	1	
R6238		ERDS2TJ470	C.RESISTOR 1/4W 47	1	
R6239		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R6240,41		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R6242		ERDS2TJ104	C.RESISTOR 1/4W 100K	1	
R6243		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R6245		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R6246		ERDS2TJ470	C.RESISTOR 1/4W 47	1	
R6247,48		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R6249		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R6250		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R6251		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
RA6201-04		EXBF5E103J	COMBI.R-R 10K	4	
RA6205		EXBF5E473J	RESISTOR-RESISTOR	1	
SW6201		EVQQJ104K	SWITCH	1	<R>
SW6203-07		EVQQJ104K	SWITCH	5	<R>
SW6209-17		EVQQJ104K	SWITCH	9	<R>
SW6218		VSS0225	SWITCH	1	<R>
SW6220		VSS0225	SWITCH	1	<R>
SW6221		VSS0152	SWITCH	1	<R>
SW6222		VSS0225	SWITCH	1	<R>
SW6223		VSS0324	SWITCH	1	<R>
SW6224		VSS0225	SWITCH	1	<R>
SW6226		VSS0225	SWITCH	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
X6201		VSX0094	CRYSTAL OSCILLATOR	1	<R>
X6202		VSX0140	CRYSTAL OSCILLATOR	1	<R>
			MISCELLANEOUS		
E48		VMX2062	LED SPACER	2	
E53		VJF0960	DISPLAY TUBE HOLDER	1	
	■	VEP04328A	P.C.BOARD W/COMPONENT		
			AUDIO METER		
D4201-06		LN440YCPUVT1	DIODE	6	<R>
D4207,08		MA165VT	DIODE	2	<R>
P4201		VJP1393T	CONNECTOR(MALE) 13P	1	
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		EROS2CKG5100	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	AUDIO METER HOLDER	2	
E56		VSE0117	CH1 METER	1	
E57		VSE0115	CH2 METER	1	
	■	VEP04342A	P.C.BOARD W/COMPONENT		
			FRONT JACK		
C4901,02		ECKF1H101KB	C.CAPACITOR 50V 100P	2	
J4901		VJJ0094	HEADPHONE JACK	1	
L4901,02		VLQEL05S101J	COIL 100UH	2	
P4901		VJP1231T	CONNECTOR(MALE) 4P	1	
P4902		VJP1234T	CONNECTOR(MALE) 7P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R4901		ERDS2TJ563	C.RESISTOR 1/4W 56K	1	
R4902		ERDS2TJ393	C.RESISTOR 1/4W 39K	1	
R4903		ERDS2TJ222	C.RESISTOR 1/4W 2.2K	1	
VR4901		EWKH1A015B23	V.RESISTOR 2K	1	
VR4902,03		EWHH1A091B15	V.RESISTOR 100K	2	
VR4904		EWHH1A091B24	V.RESISTOR 20K	1	
			MISCELLANEOUS		
E59		VMP3223	FRONT JACK ANGLE	1	
E60		VGU5605	VR KNOB	2	
E61		VGU5635	VR KNOB	2	
	■	VEP04343A	P.C.BOARD W/COMPONENT		
			MIC JACK		
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	
FL4301,02		VLF0523	FILTER	2	
IC4301		NJM2068MD	IC	1	<R>
J4301,02		VJJ0078	MIC JACK	2	
P4301		VJP1234T	CONNECTOR(MALE) 7P	1	
Q4301		MSD602-R	TRANSISTOR	1	<R>
R4301,02		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	2	
R4303		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R4304		ERJ6GEYJ124	M.RESISTOR CH 1/10W 120K	1	
R4305		ERJ6GEYJ753	M.RESISTOR CH 1/10W 75K	1	
R4306		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R4307,08		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	2	
R4309		ERJ6GEYJ124	M.RESISTOR CH 1/10W 120K	1	
R4310		ERJ6GEYJ753	M.RESISTOR CH 1/10W 75K	1	
R4311,12		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	2	
R4314,15		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R4316		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
			MISCELLANEOUS		
E62		VSC3429	SHIELD CASE	1	
E63		VMP3224	MIC JACK ANGLE	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
	■	VEP00S01B	P.C.BOARD W/COMPONENT		AG-7350-E/B
			MOTHER		
P911		VJP1932T	CONNECTOR(MALE) 15P	1	
P931-33		VJS2898	CONNECTOR(FEMALE) 64P	3	
P935		VJP1230T	CONNECTOR(MALE) 3P	1	
P941,42		VJS2898	CONNECTOR(FEMALE) 64P	2	
P961-63		VJS2123	CONNECTOR(FEMALE) 18P	3	
P964		VJP1242T	CONNECTOR(MALE) 2P	1	
P971		VJS3152	CONNECTOR(FEMALE) 10P	1	
P972		VJP1244T	CONNECTOR(MALE) 4P	1	
P973-75		VJS3152	CONNECTOR(FEMALE) 10P	3	
P976		VJP1251T	CONNECTOR(MALE) 11P	1	
P991-93		VJS3152	CONNECTOR(FEMALE) 10P	3	
			MISCELLANEOUS		
E64		VMP3217	MOTHER ANGLE (REAR)	1	
E65		VMP3218	MOTHER ANGLE (FRONT)	1	
E66		VMX0985	SPACER	1	
E67		XTV26+8F	SCREW	15	
E68		VWJ18SW100LL	FLEXIBLE WIRE	3	
	■	VEP00S01C	P.C.BOARD W/COMPONENT		AG-7150-E/B
			MOTHER		
P911		VJP1932T	CONNECTOR(MALE) 15P	1	
P931-33		VJS2898	CONNECTOR(FEMALE) 64P	3	
P941,42		VJS2898	CONNECTOR(FEMALE) 64P	2	
P961-63		VJS2123	CONNECTOR(FEMALE) 18P	3	
P964		VJP1242T	CONNECTOR(MALE) 2P	1	
P971		VJS3152	CONNECTOR(FEMALE) 10P	1	
P972		VJP1244T	CONNECTOR(MALE) 4P	1	
P973-75		VJS3152	CONNECTOR(FEMALE) 10P	3	
P976		VJP1251T	CONNECTOR(MALE) 11P	1	
P991-93		VJS3152	CONNECTOR(FEMALE) 10P	3	
			MISCELLANEOUS		
E64		VMP3217	MOTHER ANGLE (REAR)	1	
E65		VMP3218	MOTHER ANGLE (FRONT)	1	
E66		VMX0985	SPACER	1	
E67		XTV26+8F	SCREW	15	
E68		VWJ18SW100LL	FLEXIBLE WIRE	3	
	■	VEP01502A	P.C.BOARD W/COMPONENT		
			SWITCHING POWER SUPPLY		
C1007		ECOS2GG181N	E.CAPACITOR 200V 180U	1	
C1008		VCK0042	C.CAPACITOR	1	<!><R>
C1009		ECEA2GG010	E.CAPACITOR 400V 1U	1	
C1010		ECQE6473MZ	P.CAPACITOR 630V 0.047U	1	
C1011		ECKD3D331KBN	C.CAPACITOR 3KV 1000P	1	
C1012		ECQB1H223JZ	P.CAPACITOR 50V 0.022U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C1013		ECQB1H472JH	P.CAPACITOR 50V 4700P	1	
C1014		ECQV1H824JZ	P.CAPACITOR 50V 0.82U	1	
C1015		ECA1CXLV470	E.CAPACITOR 16V 47U	1	
C1016		ECA1VFQ391	E.CAPACITOR 35V 390U	1	
C1017		ECEA1VGE331	E.CAPACITOR 35V 330U	1	
C1018		ECA1EFZ561L	E.CAPACITOR 25V 560U	1	
C1019		ECEA1DPS122	E.CAPACITOR 20V 1200U	1	
C1020		ECA1EFZ102L	E.CAPACITOR 25V 1000U	1	
C1022		ECEA2AFE220	E.CAPACITOR 100V 22U	1	
C1023		ECEA1HGE101	E.CAPACITOR 50V 100U	1	
C1024		ECEA1AFZ331X	E.CAPACITOR 10V 330U	1	
C1025-27		ECQB1H103JH	P.CAPACITOR 50V 0.01U	3	
C1028		ECEA1HNX100	E.CAPACITOR 50V 10U	1	
C1029		ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C1030,31		ECEA1AGE101	E.CAPACITOR 10V 100U	2	
C1032		ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C1035,36		ECCF1H101JC	C.CAPACITOR 50V 100P	2	
C1037		ECQB1H153JZ	P.CAPACITOR 50V 0.015U	1	
C1038		ECEA1AFZ331X	E.CAPACITOR 10V 330U	1	
C1045		VCK0042	C.CAPACITOR	1	
C1046		ECQB1H103JH	P.CAPACITOR 50V 0.01U	1	
D1002-05		RM2B	DIODE	4	<R>
D1006		VSD0002	DIODE	1	<R>
D1007		AP01C	DIODE	1	<R>
D1009		MA178	DIODE	1	<R>
D1010,11		FMLG12SP	DIODE	2	<R>
D1012		MA2200B	DIODE	1	<R>
D1013		FML12SP	DIODE	1	<R>
D1015,16		VSD0001	DIODE	2	<R>
D1017		AK04	DIODE	1	<R>
D1018,19		MA178	DIODE	2	<R>
D1020		MA4030L	DIODE	1	<R>
D1021		MA165VT	DIODE	1	<R>
IC1001		STRD6009E	IC	1	<R>
IC1002		SE013E	IC	1	<R>
IC1003		STK5382	IC	1	<R>
L1002,03		VLQ0354	COIL	2	
L1004		ELC07D220	COIL 22UH	1	
L1005		VLQ0354	COIL	1	
P1002		VJP1930T	CONNECTOR(MALE) 15P	1	
P1003		VJP1243T	CONNECTOR(MALE) 3P	1	
Q1001		PC111A	PHOTO COUPLER	1	<R>
Q1002		2SD639	TRANSISTOR	1	(R,S)<R>
R1002,03		ERDS2TJ683	C.RESISTOR 1/4W 68K	2	
R1004,05		ERDS2TJ474	C.RESISTOR 1/4W 470K	2	
R1006		ERG2ANJ683U	M.RESISTOR 2W 68K	1	
R1007		ERG2SJ560U	M.RESISTOR 2W 56	1	
R1009		EROS2CKG2000	M.RESISTOR 1/4W 200	1	
R1010		ERD2FCG102	C.RESISTOR 2W 1K	1	
R1011		ERDS2TJ101	C.RESISTOR 1/4W 100	1	
R1012		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R1013		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R1014		ERG12ANJ182	M.RESISTOR 1/2W 1800	1	
R1016		ERQ12HJ180	F.RESISTOR 1/2W 18	1	
R1018		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R1019		ERDS2TJ681	C.RESISTOR 1/4W 680	1	
R1020		ERG2SJ220U	M.RESISTOR 2W 22	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R1021		ERF5AK1R8	W.RESISTOR 5W 1.8K	1	
T1001		VLTO651	TRANSFORMER	1	<!><R>
	■	VEPO1503A	P.C.BOARD W/COMPONENT		
			POWER SUPPLY SUB		
C1001		VCKO045	C.CAPACITOR 250V 1500P	1	<!><R>
C1002		ECQU2A224MN	P.CAPACITOR 250V 0.22U	1	<!><R>
C1003-05		VCKO045	C.CAPACITOR 250V 1500P	3	<!><R>
C1006		ECQU2A224MN	P.CAPACITOR 250V 0.22U	1	<!><R>
D1001		SNR-300K4	SURGE ABSORBER	1	<R>
F1001		XBA2C25TBO	FUSE	1	<R><!>
L1001		ELF18D616	COIL	1	
P1001		VJP2639	CONNECTOR(MALE)	1	
			MISCELLANEOUS		
E69		VM21305	CAPACITOR COVER (L)	2	
E70		VJFO318	FUSE HOLDER	2	<!><R>
E71		VM20429	FUSE COVER	1	<!><R>
E72		VM20965	CAPACITOR COVER (S)	4	
	■	VEPO1478B	P.C.BOARD W/COMPONENT		
			AC PLUG		
C1101,02		ECQU2A224MN	P.CAPACITOR 250V 0.22U	2	<!><R>
L1101		ELF18D618F	COIL	1	
P1101		VJP2638	CONNECTOR(MALE) 4P	1	<!><R>
P1102		VJS2985	CONNECTOR(FEMALE)	1	<!><R>
R1101		ERC12GM334	S.RESISTOR 1/2W 330K	1	
			MISCELLANEOUS		
E73		VM21305	CAPACITOR COVER (L)	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
	■	VEPO1471A	P.C.BOARD W/COMPONENT		
			POWER DETECT		
C1201		ECEA1HGE4R7	E.CAPACITOR 50V 4.7U	1	
C1202		ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C1203		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C1204		ECEA1CGE100	E.CAPACITOR 16V 10U	1	
C1205		ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C1206		ECEA1EGE470	E.CAPACITOR 25V 47U	1	
C1207		ECEA1HGE3R3	E.CAPACITOR 50V 3.3U	1	
C1208		ECEA1AGE101	E.CAPACITOR 10V 100U	1	
C1209		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C1210		ECEA1AGE101	E.CAPACITOR 10V 100U	1	
C1211		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C1213		ECEA1CGE102	E.CAPACITOR 16V 1000U	1	
C1214		ECEA0JGE331	E.CAPACITOR 6.3V 330U	1	
C1215		ECEA1CGE221	E.CAPACITOR 16V 220U	1	
C1216		ECEA1CGE101	E.CAPACITOR 16V 100U	1	
D1017		MA165VT	DIODE	1	<R>
D1201,02		MA151WA	DIODE	2	<R>
D1204		MA151K	DIODE	1	<R>
D1205		MA151WK	DIODE	1	<R>
D1206		MA151K	DIODE	1	<R>
D1207		MA4047M	DIODE	1	<R>
D1207		MA4150M	DIODE	1	<R>
D1208,09		MA151K	DIODE	2	<R>
D1210		MA4056-M	DIODE	1	<R>
D1211		MA165VT	DIODE	1	<R>
D1211,12		MA165VT	DIODE	2	<R>
D1212		MA165VT	DIODE	1	<R>
D1214		FMB-G14L	DIODE	1	<R>
IC1201		STR90120	IC	1	<R>
IC1202		LM393PS	IC	1	<R>
IC1203		SI3050C	IC	1	<R>
P1201		VJP1932T	CONNECTOR(MALE) 15P	1	
P1202		VJP1230T	CONNECTOR(MALE) 3P	1	
P1203		VJP1239T	CONNECTOR(MALE) 12P	1	
P1204		VJP1932T	CONNECTOR(MALE) 15P	1	
Q1201		MSD601-R	TRANSISTOR	1	<R>
Q1202		8P2M	TRANSISTOR	1	<R>
Q1203		MSD601-R	TRANSISTOR	1	<R>
QR1202		MRN1404	TRANSISTOR	1	<R>
QR1203		UN1212	TRANSISTOR-RESISTOR	1	<R>
QR1204		UN2224	TRANSISTOR-RESISTOR	1	<R>
R1202		ERDS2TJ271	C.RESISTOR 1/4W 270	1	
R1203		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R1204		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R1205		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R1206		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R1207		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R1208		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R1210		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R1211		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R1212		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R1213		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R1214		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R1215		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R1216		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R1218		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
			MISCELLANEOUS		
E74		VMX0985	SPACER	1	
E75		VSC3076	HEAT SINK	1	
E77		XTV3+8F	SCREW	2	
E78		VSC3447	HEAT SINK	1	
E79		VMZ1352	HEAT SINK COVER	1	
	■	VEP04344A	P.C.BOARD W/COMPONENT		AG-7350-E/B
			REAR JACK		
J6901		VJS3155	S-VIDEO IN JACK	1	
J6902,03		VJS3154	VIDEO IN JACK	2	
J6904		VJS3155	S-VIDEO OUT JACK	1	
J6905,06		VJS3154	VIDEO OUT JACK	2	
J6907,08		VJJ0324	AUDIO JACK	2	
J6909-12		VJJ0323	VIDEO OUT JACK	4	
P6901-03		VJP3152	CONNECTOR(MALE)	3	
R6901-04		ERDS2TJ750	C.RESISTOR 1/4W 75	4	
	■	VEP04344B	P.C.BOARD W/COMPONENT		AG-7150-E/B
			REAR JACK		
J6903		VJS3154	VIDEO IN JACK	1	
J6904		VJS3155	S-VIDEO OUT JACK	1	
J6905,06		VJS3154	VIDEO OUT JACK	2	
J6909,10		VJJ0323	VIDEO OUT JACK	2	
J6911,12		VJJ0322	MONITOR JACK	2	
P6901-03		VJP3152	CONNECTOR(MALE)	3	
R6904		ERDS2TJ750	C.RESISTOR 1/4W 75	1	
	■	VEP06538C	P.C.BOARD W/COMPONENT		
			34PIN		
C6601,02		ECKF1H1032F	C.CAPACITOR 50V 0.01U	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C6603		ECKF1H391KB	C.CAPACITOR 50V 390P	1	
C6604		ECKF1H1032F	C.CAPACITOR 50V 0.01U	1	
C6605		ECEA1CK101	E.CAPACITOR 16V 100U	1	
C6606		ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C6607		ECKF1H1032F	C.CAPACITOR 50V 0.01U	1	
C6608		ECEA0JK330	E.CAPACITOR 6.3V 33U	1	
C6609		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C6610		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C6611		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C6612		ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C6613		ECQB1H332JZ	P.CAPACITOR 50V 3300P	1	
CA6601		EXFP8102ZW	COMBI R-R	1	
CA6602		VCR0329103MB	IC	1	
CA6603		EXFP8102ZW	COMBI R-R	1	
IC6601		MN15362VMP	IC	1	<R>
IC6602		MN1280R	IC	1	<R>
IC6603		AN90B22	IC	1	<R>
L6601		VLQEL05F101K	COIL 100UH	1	
P6601		VJP1250T	CONNECTOR(MALE) 10P	1	
P6602		VJS1327	CONNECTOR(FEMALE) 34P	1	
Q6601-03		2SD636-R	TRANSISTOR	3	(Q,R)<R>
QR6609		UN1211	TRANSISTOR-RESISTOR	1	<R>
R6601		ERQ12AJ3R9P	F.RESISTOR 1/2W 3.9	1	
R6602		ERDS2TJ562	C.RESISTOR 1/4W 5.6K	1	
R6603		ERDS2TJ153	C.RESISTOR 1/4W 15K	1	
R6604-12		ERDS2TJ103	C.RESISTOR 1/4W 10K	9	
R6613,14		ERDS2TJ153	C.RESISTOR 1/4W 15K	2	
R6615		ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R6616		ERDS2TJ122	C.RESISTOR 1/4W 1.2K	1	
R6617		ERDS2TJ471	C.RESISTOR 1/4W 470	1	
			MISCELLANEOUS		
E80		XTN26+10F	SCREW	2	
E81		XTN3+8JFZ	SCREW	1	
E82		VMX0674	CONNECTOR SPACER	1	
E83		VGH1979	PLATE	1	
E84		VMP2085	ANGLE	1	
E85		VMX1636	SPACER	1	
	■	VEK5556	P.C.BOARD W/COMPONENT		
			SEARCH DIAL UNIT		
			MISCELLANEOUS		
E86		VJP1249T	CONNECTOR 9P	1	
E87		VSQ0651	JOG/SHUTTLE UNIT	1	
E88		XTV3+6F	SCREW	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
E89		XTV3+8J	SCREW	3	
E90		XYE3+EF6	SCREW	1	
	■	VEK3578	P.C.BOARD W/COMPONENT		
			PHOTO TR (L) UNIT		
C1501		ECKW1H102KB	C.CAPACITOR 50V 1000P	1	
Q1501		PN150NVS	PHOTO TR	1	
			MISCELLANEOUS		
E91		VMD0645	PHOTO TR HOLDER	1	
	■	VEK4058	P.C.BOARD W/COMPONENT		
			PHOTO TR (R) UNIT		
C1502		ECKF1H102KB	C.CAPACITOR 50V 1000P	1	
P1508		VJS2165W	CONNECTOR(FEMALE) 6P	1	
Q1502		PN150NVS	PHOTO TR	1	
R1503		ERDS2TJ222	C.RESISTOR 1/4W 2.2K	1	
			MISCELLANEOUS		
E92		VMD0645	HOLDER	1	
	■	VEK2657	P.C.BOARD W/COMPONENT		
			TENSION SENSOR UNIT		
Q1504		ON1301	PHOTO INTERRUPTOR	1	<R>
R1502		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
	■	VEK4265	P.C.BOARD W/COMPONENT		
			REV TENSION SENSOR UNIT		

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			MISCELLANEOUS		
E156		VMA7987	REV PHOTO HOLDER	1	
E157		ON1108	PHOTO INTERRUPTOR	1	
E94		XYN26+C5	SCREW	1	
	■	VEK4163	P.C.BOARD W/COMPONENT		
			MOTOR BASE		
P1502		VJP1511T	CONNECTOR(MALE) 11P	1	
P1503		VJP1229G	CONNECTOR(MALE) 2P	1	
P1513		VJP1229T	CONNECTOR(MALE) 2P	1	
P1514		VJP1229R	CONNECTOR(MALE) 2P	1	
P1515		VJP1232T	CONNECTOR(MALE) 5P	1	

Order No. VSD9112S638

Service Manual

Supplement

Video Product

Subject: Y Level Difference between Line and 4-Pin

Please use this supplement together with the Service Manual as follows:

Model No.	Bulletin No.	Order No.	Effective from
AG-7350-E/B 1/24/1464 V111134	8	VSD9109M615	J1T ...
AG-7150-E/B	8	VSD9109M615	J1T ...
AG-7355-E/B	1	VSD9110M616	J1T ...

Symptom : The level difference of Y signal between the line output and 4-pin (S-Video) may be occured.

Remedy : In order to prevent this, a resistor R3656 (10 Kohm) has been added.

Interchangeability Code (I/C)

A	Original or new parts may be used in early or late production set. Use original parts until exhausted, then stock new parts.
B	Original parts may be used in early production sets only. New parts may be used in early or late production sets. Use original parts possible then stock new parts.
C	New parts only may be used in early or late production sets.
D	Original parts may be used in early production sets only. New parts may be used in late production sets only. Stock both original and new parts.
E	Other

Part Number

Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	I/C	Remarks
R3656	---	ERJ6GEYG103	RESISTOR 10K	1	C	

Panasonic

Order No. VSD9302S655

Service Manual

Supplement

Video Product

Subject: Additional of New Features

Please use this supplement together with the Service Manual as follows:

Model No.	Bulletin No.	Order No.	Effective from
AG-7355-E/B	15	VSD9110M616	2T
AG-7350-E/B	28	VSD9109M615	2T
AG-7150-E/B	28	VSD9109M615	2T

The following changes have been made to improve the functions of this VTR.

1. Standby OFF time setting
2. Wide screen
3. Connector panel

The following parts have been changed for above reason.

Interchangeability Code (I/C)

A	Original or new parts may be used in early or late production set. Use original parts until exhausted, then stock new parts.
B	Original parts may be used in early production sets only. New parts may be used in early or late production sets. Use original parts possible then stock new parts.
C	New parts only may be used in early or late production sets.
D	Original parts may be used in early production sets only. New parts may be used in late production sets only. Stock both original and new parts.
E	Other

Part Number

Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	I/C	Remarks
E1	VEP06729D	VEP06848C	SERVO & SYSTEM CONTROL C.B.A.	1	E	AG-7350 /AG-7150
E1	VEP06729E	VEP06848D	SERVO & SYSTEM CONTROL C.B.A.	1	E	AG-7355
E3	VEP00R80A	VEP00R80B	SERVO TP C.B.A.	1	E	
E11	VEP06749C	VEP06749J	FRONT C.B.A.	1	E	AG-7350
E11	VEP06749D	VEP06749K	FRONT C.B.A.	1	E	AG-7150
E11	VEP06749F	VEP06749L	FRONT C.B.A.	1	E	AG-7355

Continued on the next page

Panasonic

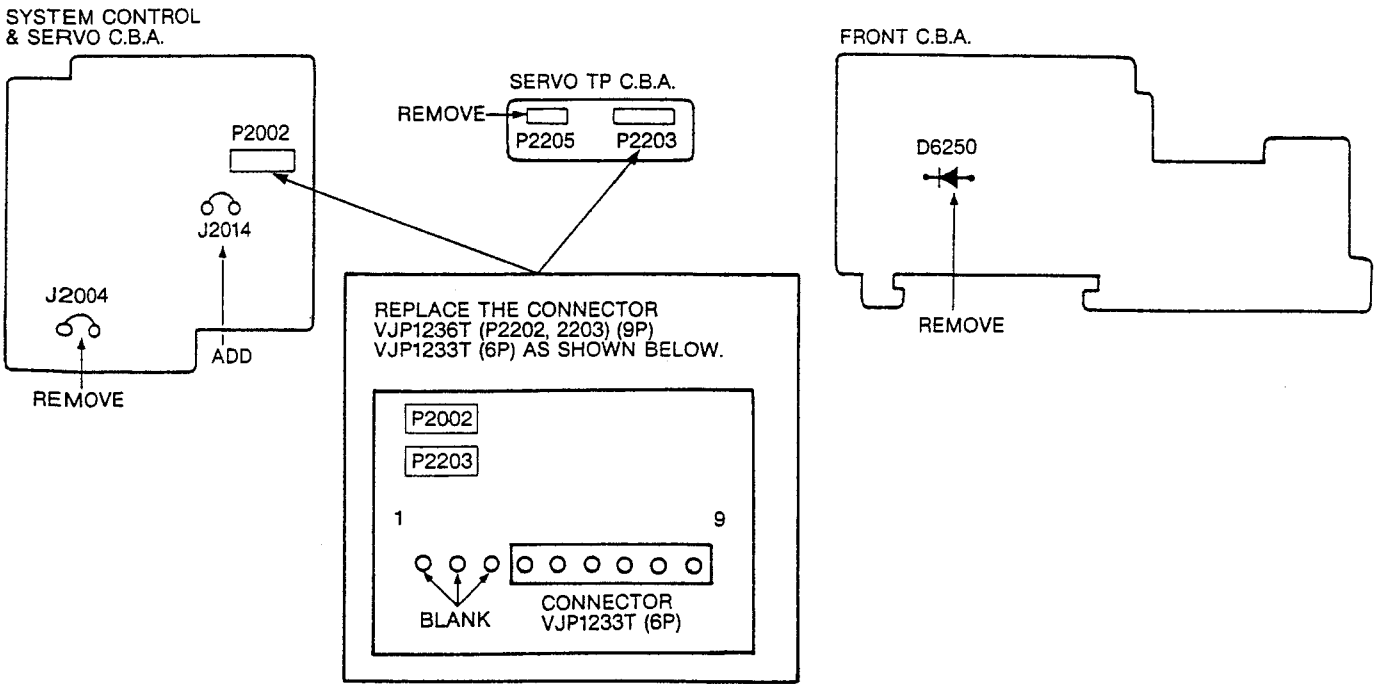
Part Number						
Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	I/C	Remarks
E20	VEP04344A	VEP04344D	REAR JACK C.B.A.	1	E	AG-7350
E20	VEP04344B	VEP04344E	REAR JACK C.B.A.	1	E	AG-7150
E20	VEP04344C	VEP04344F	REAR JACK C.B.A.	1	E	AG-7355
4-18	VGH2859	VGH3081	REAR JACK PLATE	1	E	AG-7350
4-18	VGH2860	VGH3084	REAR JACK PLATE	1	E	AG-7150
4-18	VGH2863	VGH3078	REAR JACK PLATE	1	E	AG-7355
6-1	VPG6203	VPG6548	PACKING CASE	1	E	AG-7350-E
6-1	VPG6204	VPG6549	PACKING CASE	1	E	AG-7350-B
6-1	VPG6205	VPG6553	PACKING CASE	1	E	AG-7150
6-1	VPG6201	VPG6543	PACKING CASE	1	E	AG-7355
6-10	———	VQC2002	CORRECTIONS SHEET	1	E	

---- NOTE ----

SERVO & SYSTEM CONTROL C.B.A. SERVO TP C.B.A. and FRONT C.B.A. may be used in early production sets only as shown below.

CIRCUIT BOARD	INTERCHANGEABILITY
SERVO & SYSTEM CONTROL	NO
SERVO TP	NO
FRONT	NO
MOTHER	YES
REAR JACK	YES

Please perform the following modification when you use these circuit boards (SERVO & SYSTEM CONTROL, SERVO TP and FRONT) for early production sets.



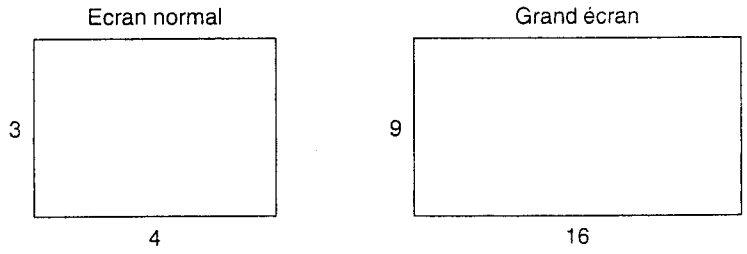
Description of Changes

1. Standby OFF time setting

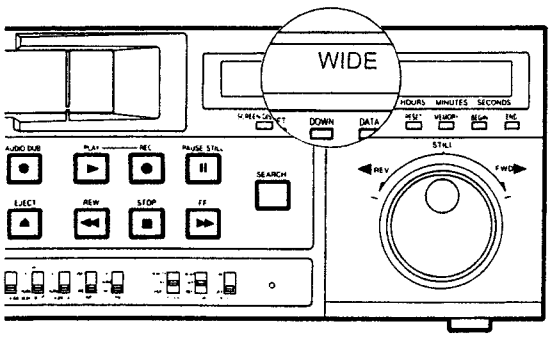
The time between when the tape stops and the upper VIDEO Head stops rotating, is called the standby off time, and it can be set by using ON-Screen operation.

2. Wide screen

Previously, the only aspect ratio available for T.V screens was 4/3. Now however, another aspect ratio, 16/9 wide screen is becoming available.
This VTR can record and playback an aspect ratio identification signal (side data) which will allow a compatible monitor to reproduce a 16/9 aspect ratio picture. This identification signal for wide screen can only be input or output via the S1 video input/output connector. Note that is cant be input or output from the line signal (video connector).



- Pendant l'enregistrement ou la lecture des données grand écran, l'indication "WIDE" s'affiche sur le voyant de fonction.



■ On-screen operation

1. Press the SCREEN DISPLAY and DOWN buttons simultaneously to display the ON-SCREEN screen.

2. Press the SHIFT button.
   Select the STBY OFF TIME or WIDE MODE item.

   *Press the DATA button to change the setting.
   *Press the DOWN button to proceed to the next item.

STBY OFF TIME	5MIN
WIDE MODE	AUTO

***Setting the standby OFF time**

5 MIN: Normally, use this setting.
The upper video head cylinder will stop rotating approx, 5 minutes after the VTR to return to the playback mode from the stop mode is approx. 1 second.)(factory setting)

0 MIN: The upper video head cylinder will stop rotating as soon as the VTR stops. (The time taken for the VTR to return to the playback mode from the stop mode is approx. 3 seconds).

***Setting the wide data mode**

AUTO: Wide data is recorded and played back automatically. (factory setting)

NOR: The VTR is put forcibly into the normal mode.

WIDE: The VTR is put forcibly into the wide mode.

Note:

*The AG-7150 permits playback but not recording of wide data.

3. Upon completion of operation, press the SCREEN DISPLAY button. The normal screen will reappear.

For details, refer to On-screen Functions On-screen Functions in the instruction manual.

3. Connector panel

The name of the S-VIDEO IN (OUT) Connector on the connector panel at the rear has been changed to the S1 VIDEO IN (OUT) Connector.

3. Wide size 16:9 ratio video

3-1. General

The AG-7350/7150 and AG-7355 are equipped with a 16:9 picture ratio function which will allow them to be used in future High Vision/wide video broadcasting applications. High Vision broadcasting is slowly coming into everyday use. For example, when converting 16:9 video into standard 4:3 video using a digital converter such as the "Muse Converter", the signal will be recorded onto these machines complete with associated wide size information.
Upon playback, the machine feeds the wide size information (superimposed upon the C signal) to a suitable monitor and a "wide flag" signal automatically selects wide mode.
See Figure A.

This video system consists of two main sections, Wide Video Detection and Wide Input/Output Select.

3-2. Wide Size Video Detection

In the MII VTR, wide size video information (the "wide flag") is recorded onto tape to provide wide picture recognition in compatible equipment. The wide flag consists of 5V DC superimposed upon lines 12 and 255 of the Pr signal (PAL) and lines 15 and 277 of the Pr signal (NTSC). When a tape containing this signal is replayed, 5V is superimposed on the C signal (video output S1) and is sent to the TV monitor for auto wide size selection.

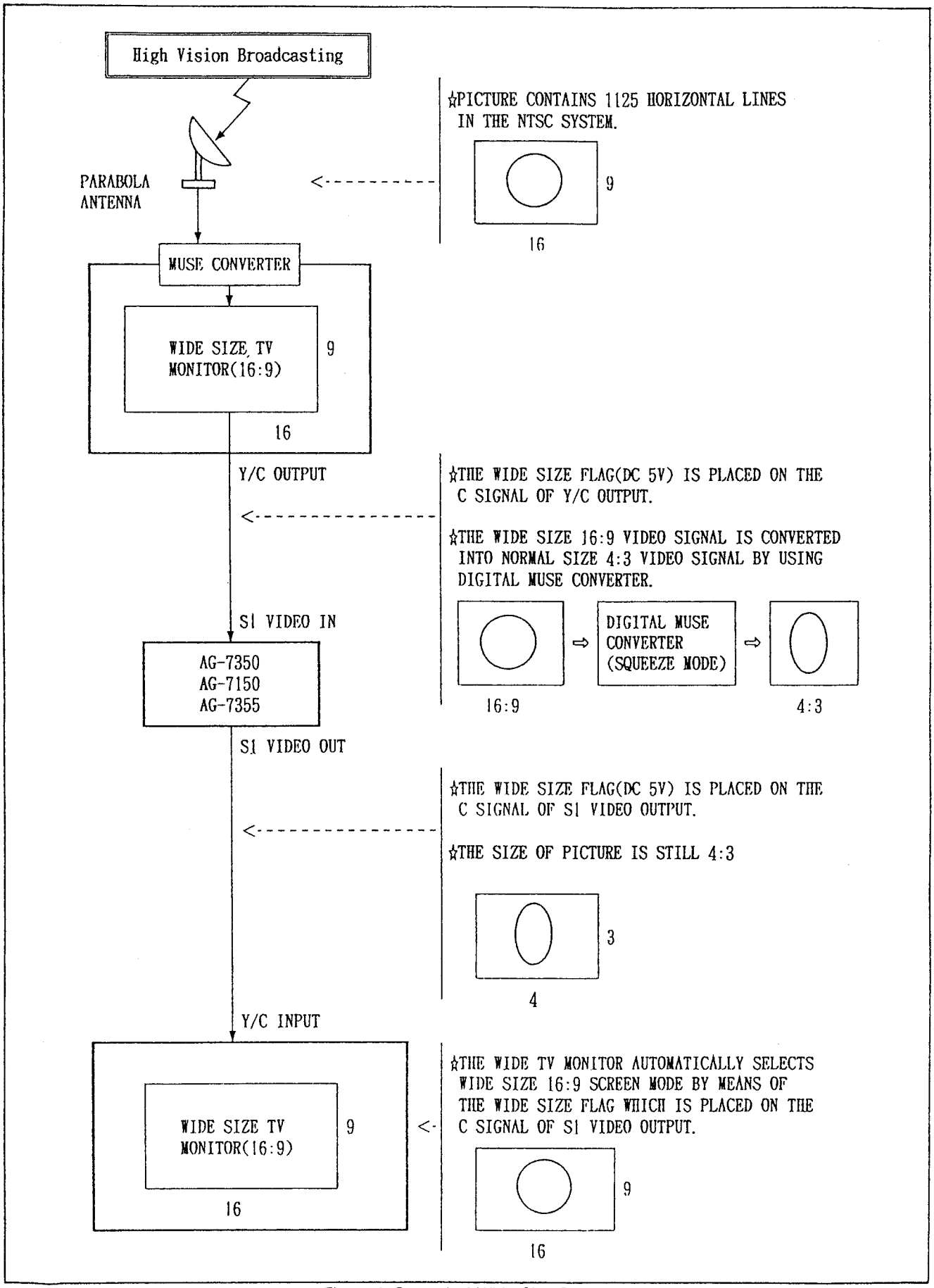
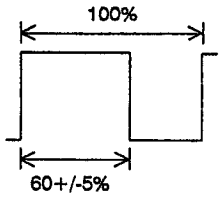
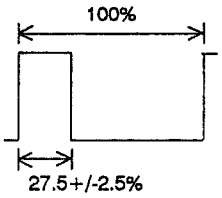


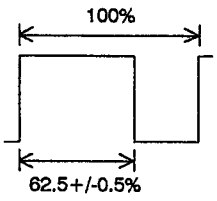
Figure A General of Wide Size System

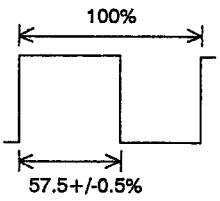
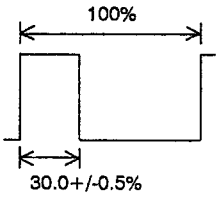
WIDE MODE DETECTION PULSES

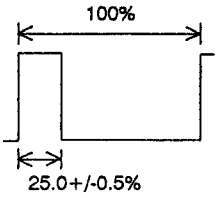
On the video tape, the wide mode detection pulses are recorded on the CTL track by using the CTL pulses.

<table>
<tr><th>"0" PULSE</th><th>"1" PULSE</th></tr>
<tr><td> 

The "0" pulse is used for the most of AG series VTR.</td><td> 

The "1" pulse is used in consumer VTRs with the "VISS" and "VASS" signals.</td></tr>
<tr><td>"L" pulse
 

"S" pulse
 
</td><td>"L" pulse
 

"S" pulse
 
</td></tr>
<tr><td><RECORDING>

AG-7350/7355 record the "L" pulse and "S" pulse alternately during the wide mode.</td><td><RECORDING>

These machines record the "L" pulse and "S" pulse alternately during the wide mode.</td></tr>
<tr><td><PLAYBACK>

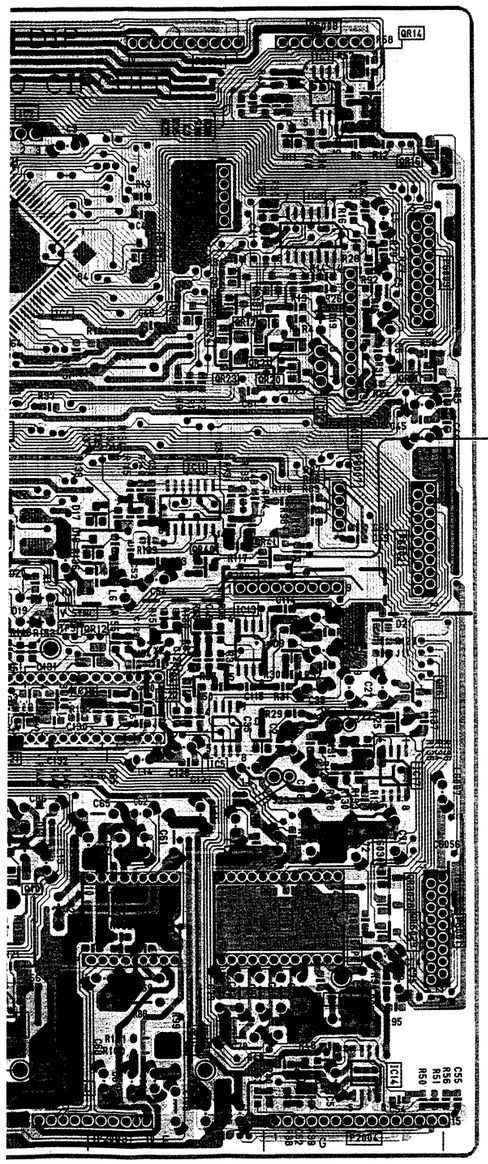
AG-7350/7150/7355 can detect the duty of CTL "0" pulse as follows;

42.5% <DUTY =< 59.0% : "S"
59.0% <DUTY : "L"</td><td><PLAYBACK>

AG-7350/7150/7355 can detect the duty of CTL "1" pulse as follows;

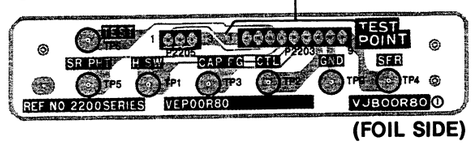
DUTY =< 59.0% : "S"
26.5% <DUTY =< 42.5% : "L"</td></tr>
<tr><td colspan="2">If the wide format pattern (L, S, L, S, ...) is continued for more than 20 frames (approx. 0.667s), the AG-7350/7150/7355 detects the wide mode.</td></tr>
</table>

In the wide mode, the +5V DC signal is mixed to the chrominance (C) signal of the S-VIDEO signal.



(FOIL SIDE)

SERVO TP C.B.A.



(FOIL SIDE)

F G H I

SYSTEM CONTROL & SERVO C.B.A.

Transistor	
Q1901	B-3
Q1902	B-2
Q1903	B-2
Q2001	E-3
Q2004	F-4
Q2005	D-4
Q2006	D-1
Q2007	D-1
Q2008	D-1
Q2010	E-3
Q2011	D-2
Q6001	C-4
Q6002	A-6
Q6003	A-6
Q6004	A-6
Q6005	A-6
Q6006	A-6
Q6007	D-1
Q6009	B-4
Q6010	B-7
Q6011	B-7
Q6012	B-6
Q6013	B-5
Q6014	B-6
Q6015	A-5
Q6016	B-5
Q6017	B-6
Q6018	B-4
Q6024	A-5

Transistor & Resistor	
QR2001	D-4
QR2003	E-2
QR2005	D-2
QR2006	G-4
QR2008	C-3
QR2009	C-3
QR2011	E-3
QR2012	F-4
QR3028	G-3
QR6001	B-4
QR6002	B-4
QR6003	F-6
QR6004	B-6
QR6006	C-5
QR6007	C-5
QR6008	F-6
QR6009	C-4
QR6010	A-6
QR6011	G-6
QR6012	A-7
QR6013	A-5
QR6014	G-7
QR6015	C-6
QR6016	G-7
QR6017	G-6
QR6018	G-6
QR6019	C-4
QR6020	G-6
QR6021	G-6
QR6022	D-5
QR6023	F-6
QR6024	F-6
QR6025	C-6
QR6026	C-5
QR6027	F-7
QR6029	G-3
QR6030	G-3
QR6040	F-5
QR6041	G-5

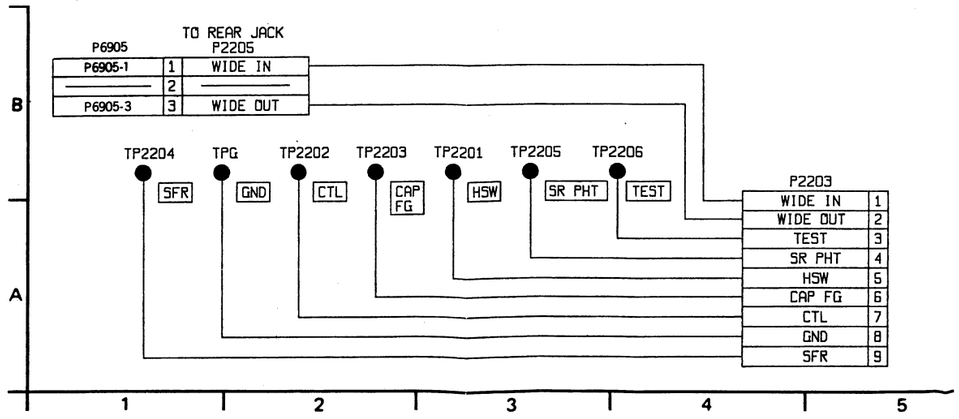
Integrated Circuit	
IC1901	B-3
IC2001	D-4
IC2002	D-2
IC2003	D-2
IC2005	F-4
IC2008	D-3
IC2009	G-3
IC2010	D-4
IC2011	C-2
IC2012	F-3
IC2013	F-4
IC2014	G-2
IC2015	E-2
IC2016	C-2
IC2018	E-4
IC2019	E-4
IC2020	E-4
IC2021	E-4
IC2022	F-4
IC6001	C-5
IC6002	E-7
IC6003	G-7
IC6004	E-6
IC6005	B-7
IC6006	C-6
IC6007	G-7
IC6008	B-6
IC6009	B-7
IC6010	C-6
IC6011	F-5
IC6012	G-6
IC6017	G-4

Test Point	
TP1901	A-1
TP2001	D-4
TP2002	F-2
TP2003	C-2
TP2005	E-4
TP2007	E-2
TP2008	D-2
TP2011	B-3
TP2012	C-1
TP2013	G-2
TP6001	D-6
TP6002	D-7
TP6003	D-6

Adjustment	
VR2001	B-1
VR2002	B-1
VR2003	B-1

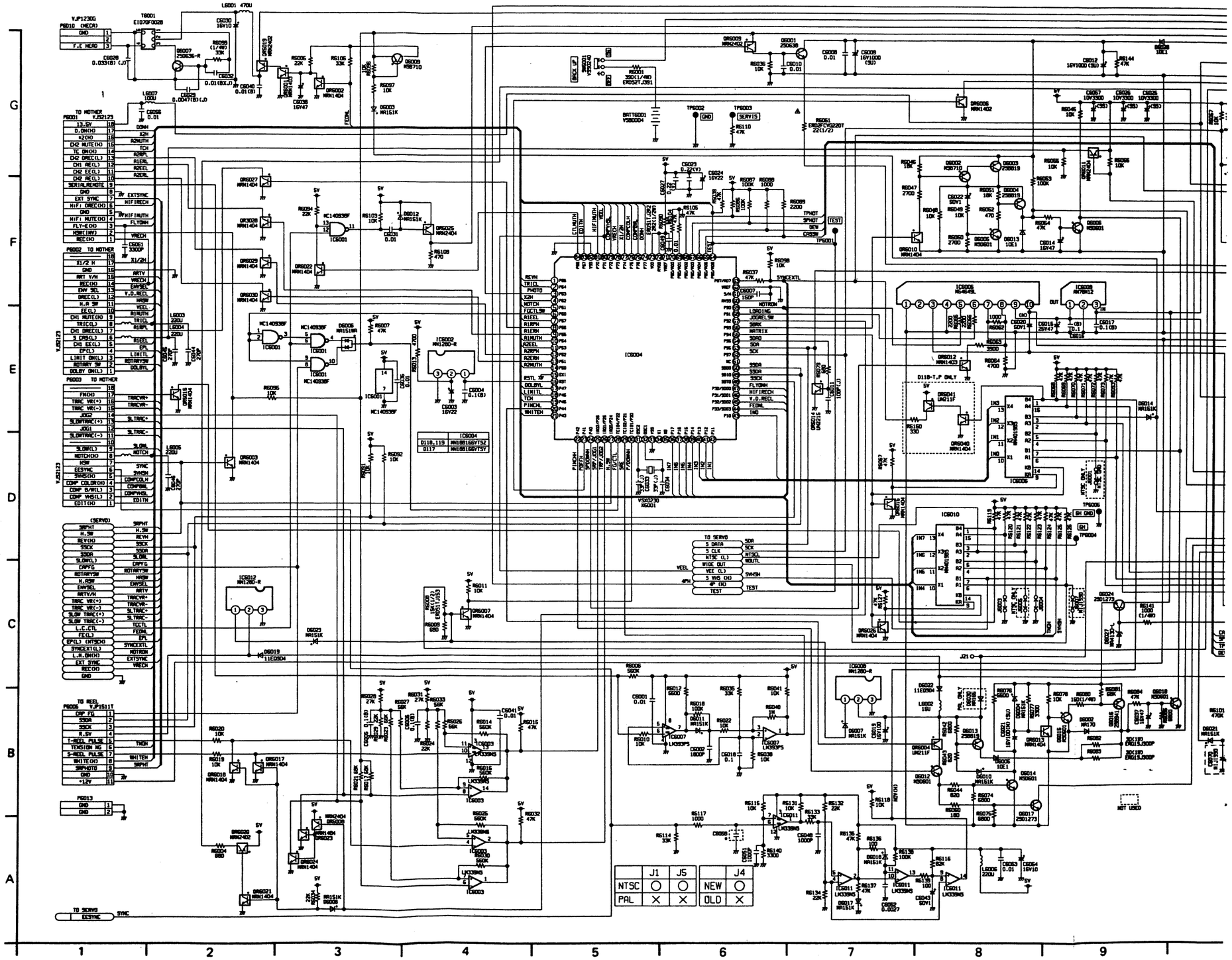
Connector	
P2001	F-2
P2002	G-5
P2003	F-2
P2004	G-2
P2005	A-2
P6001	G-3
P6002	G-5
P6003	G-6
P6004	F-7
P6005	G-6
P6006	F-7
P6007	G-5
P6008	G-7
P6009	D-1
P6010	E-1
P6011	B-1
P6012	C-1
P6013	C-7

SERVO TP SCHEMATIC DIAGRAM

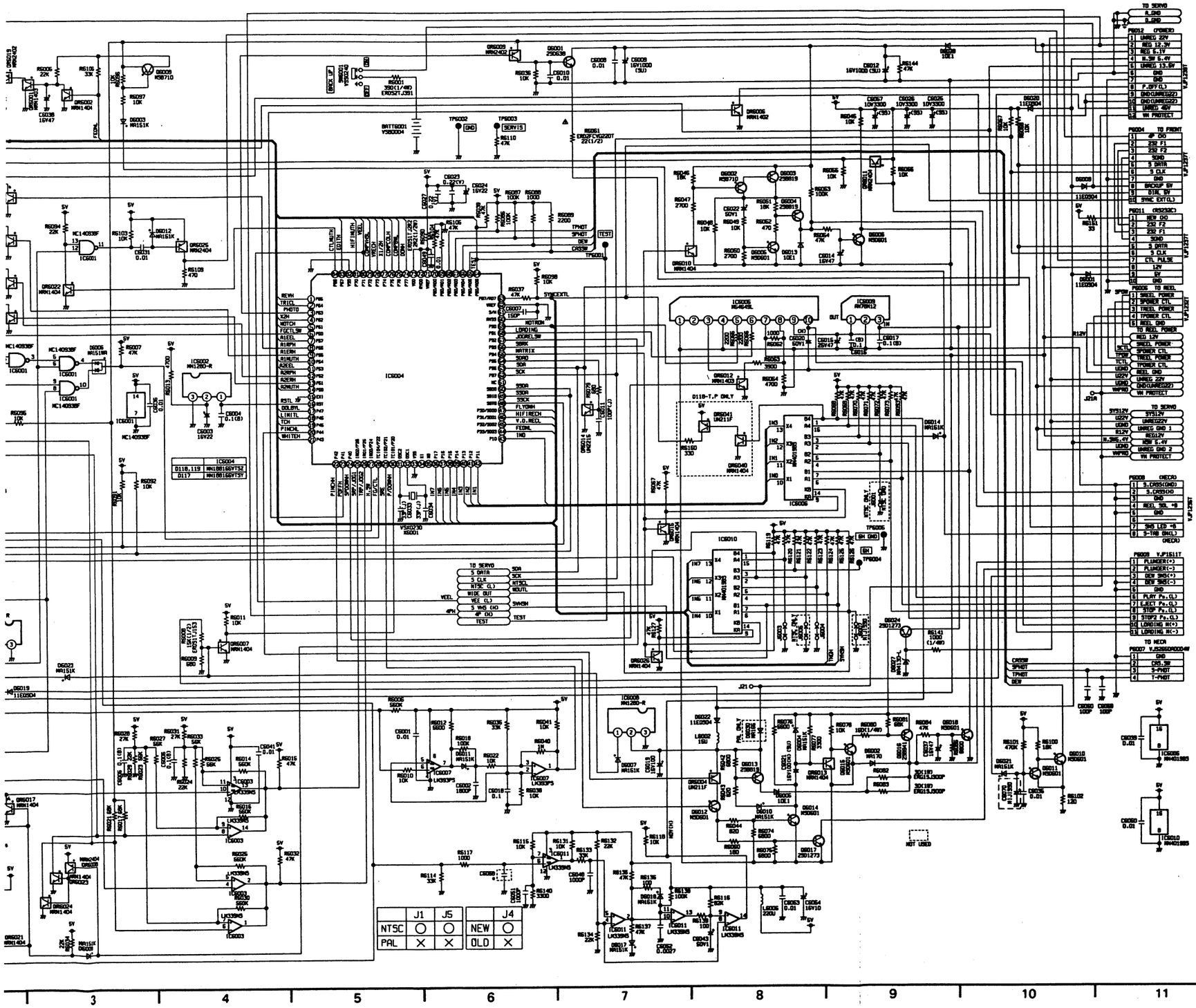


SYSTEM CONTROL SCHEMATIC DIAGRAM AG-7355/7350/7150

(Page SCM-5)

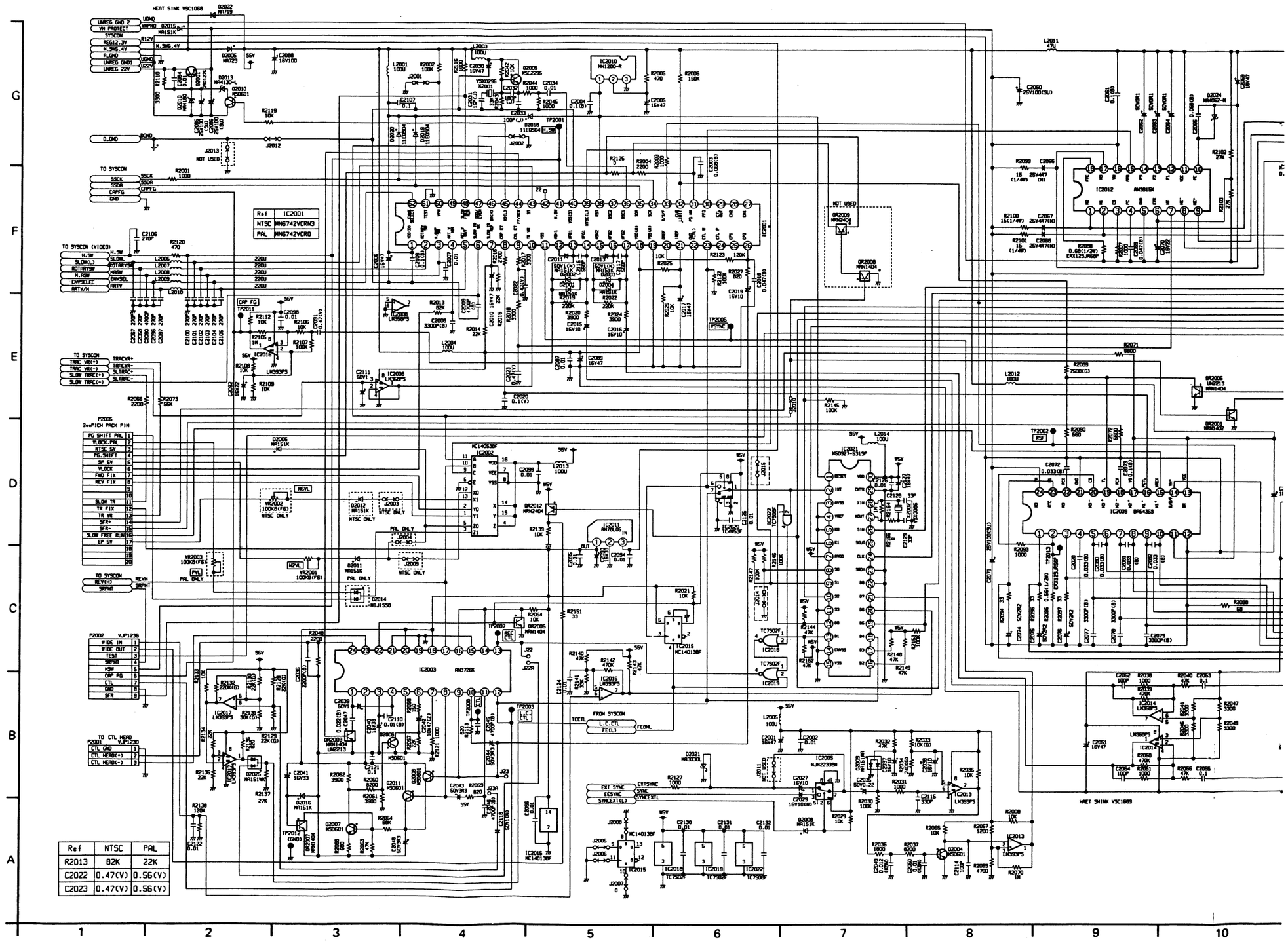


EMATIC DIAGRAM AG-7355/7350/7150



SERVO SCHEMATIC DIAGRAM AG-7355/7350/7150

(Page SCM-6)


HEAT SINK VSC1088
UNREG GND 2
YM PROTECT
SYSCON
REG12.3V
M.SW6.4V
A.GND
UNREG GND1
UNREG 22V
TO SYSCON
SSCK
SSDA
CAFFG
GND
D.GND
J2013 NOT USED
J2012
Ref | IC2001
NTSC | MN6742VCRN3
PAL | MN6742VCRD
TO SYSCON (VIDEO)
H.SW
SLOW(L)
ROTARYSW
H.RSW
EWPSEL
ARTV/H
TO SYSCON
TRAC VR(+)
TRAC VR(-)
SLOW TRAC(+)
SLOW TRAC(-)
TRCVR+
TRCVR-
SLTRAC+
SLTRAC-
P2005
2mmPITCH PACK PIN
PG SHIFT PAL
VLOCK.PAL
NTSC SW
PG.SHIFT
SP SW
VLOCK
FWD FIX
REV FIX
SLOW TR
TR FIX
TR VR
SFR+
SFR-
SLOW FREE RUN
EP 5V
TO SYSCON
REV(H)
SRPHT
P2002 V.JP1235
WIDE IN
WIDE OUT
TEST
SRPHT
HSW
CAP FG
CTL
GND
SFR
TO CTL HEAD
CTL GND
CTL HEAD(+)
CTL HEAD(-)
CAP FG
TP2011
TP2012 (GND)
FROM SYSCON
TCCTL
L.C.CTL
FEC(L)
EXT SYNC
ESYNC
SYNCEXT(L)
SYNC
SYNCEXTL
HEAT SHINK VSC1089
NOT USED
DR2009
DR2008
TP2005 VSYNC
TP2002 RSF
IC2003 AN3726K
IC2012 AN3815K
IC2009 BA6343
IC2021 MS0527-E31SP
IC2018
IC2019
IC2015 NC140139F
IC2016 LA9369FS
IC2008 LA9369FS
IC2005 NJM2233M
IC2013 LA9393FS
IC2014 LA9369FS
IC2017 LA9369FS
IC2011 AN78L05 IN
IC2010 MN1280-R
IC2002 NC140539F
DR2005 MRN1404
DR2006 UN5213 MRN1404
DR2001 MRN1402
DR2012 MRN2404
DR2003 MRN1404 UN5213
DR2007 MRN1404
DR2004 MRN1402
D2022 MR719
D2015 MA151K
D2006 MA723
D2005 2SC2295
D2013 MA4130-L
D2010 2SD601
D2018 1ED504 M.SW
D2020 1ED504
D2011 MA151K PAL ONLY
D2012 MA151K NTSC ONLY
D2014 M1J1550
D2016 MA151K
D2021 MA3030L
D2024 MA4062-M
D2007 MA151K
D2008 MA151K
D2011 2SD601
D2004 2SD601
VR2002 100KB(F6) NTSC ONLY
VR2003 100KB(F6) PAL ONLY
VR2001 100KB(F6)
J2002
J2003 NTSC ONLY
J2004 PAL ONLY
J2005 NTSC ONLY
J2006
J2007
J2008
J22
J2A
TP2001
TP2003 REC CTL
TP2007
TP2012 (GND)
L2001 100U
L2002 100U
L2003 100U
L2004 100U
L2005 100U
L2006 220U
L2007 220U
L2008 220U
L2009 220U
L2010 220U
L2011 47U
L2012 100U
L2013 100U
L2014 100U
J2001
J2002
J2003
J2004
J2005
J2006
J2007
J2008
J22
J2A
Y2002296 K2001
Y2002296 K2002
TP2001
TP2003
TP2007
TP2011
TP2012
TP2002
TP2005
TP2013
R2001 1000
R2002 100K
R2003 1000
R2004 2200
R2005 470
R2006 150K
R2007 1000
R2008 220K
R2009 220K
R2010 3300
R2011 3300
R2012 3300
R2013 82K
R2014 22K
R2015 3300
R2016 3300
R2017 22K
R2018 3300
R2019 3300
R2020 3900
R2021 10K
R2022 220K
R2023 220K
R2024 3900
R2025 10K
R2026 10K
R2027 820
R2028 10K
R2029 10K
R2030 100K
R2031 1000
R2032 47K
R2033 10K(CG)
R2034 10K
R2035 10K
R2036 1000
R2037 6200
R2038 1000
R2039 470K
R2040 47K
R2041 1000
R2042 47K
R2043 47K
R2044 1000
R2045 1000
R2046 1000
R2047 1300
R2048 1300
R2049 1300
R2050 470K
R2051 1000
R2052 47K
R2053 10K
R2054 47K
R2055 10K
R2056 10K
R2057 1200
R2058 4700
R2059 10K
R2060 6200
R2061 3900
R2062 3900
R2063 47K
R2064 10K
R2065 10K
R2066 2200
R2067 1200
R2068 10K
R2069 4700
R2070 1M
R2071 5600
R2072 680
R2073 56K
R2074 33
R2075 33
R2076 33
R2077 33
R2078 33
R2079 33
R2080 68
R2081 33
R2082 33
R2083 33
R2084 33
R2085 33
R2086 33
R2087 33
R2088 33
R2089 33
R2090 680
R2091 33
R2092 33
R2093 1000
R2094 33
R2095 33
R2096 33
R2097 33
R2098 33
R2099 33
R2100 16(1/4W)
R2101 16(1/4W)
R2102 27K
R2103 27K
R2104 27K
R2105 10K
R2106 1M
R2107 100K
R2108 10K
R2109 10K
R2110 3300
R2111 3300
R2112 10K
R2113 820
R2114 820
R2115 10K
R2116 100
R2117 100
R2118 100
R2119 10K
R2120 470
R2121 1000
R2122 120K
R2123 120K
R2124 5.1K
R2125 0
R2126 10K
R2127 1000
R2128 10K
R2129 33P
R2130 10K
R2131 33K(CG)
R2132 220K(CG)
R2133 10K
R2134 22K
R2135 22K
R2136 22K
R2137 27K
R2138 120K
R2139 10K
R2140 47K
R2141 47K
R2142 47K
R2143 47K
R2144 47K
R2145 100K
R2146 100K
R2147 100K
R2148 47K
R2149 47K
R2150 47K
R2151 33
R2152 47K
R2153 100K
R2154 33P
R2155 33P
R2156 33P
R2157 33P
R2158 33P
R2159 33P
R2160 33P
R2161 33P
R2162 47K
R2163 47K
R2164 47K
R2165 47K
R2166 47K
R2167 47K
R2168 47K
R2169 47K
R2170 47K
R2171 47K
R2172 47K
R2173 47K
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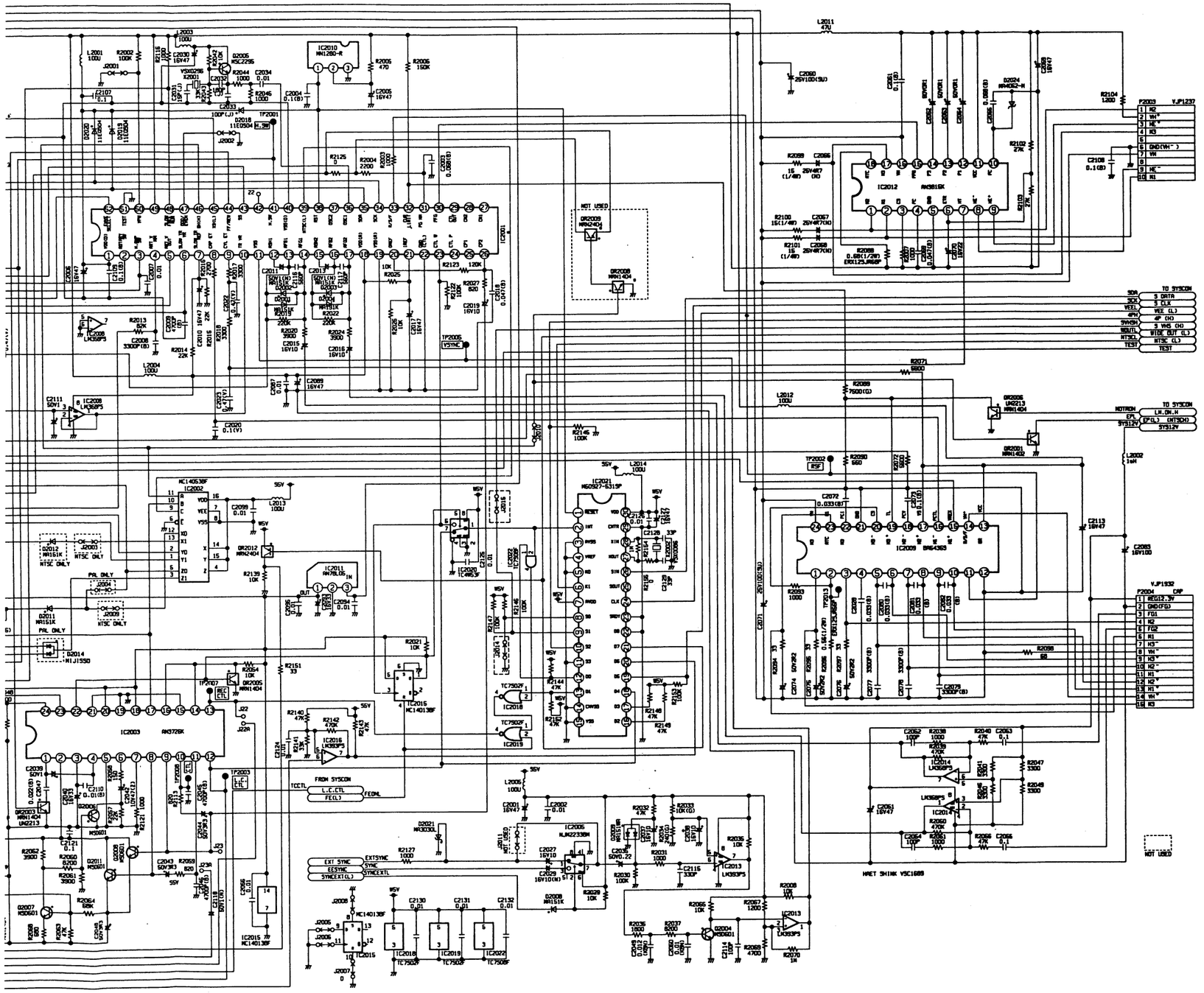
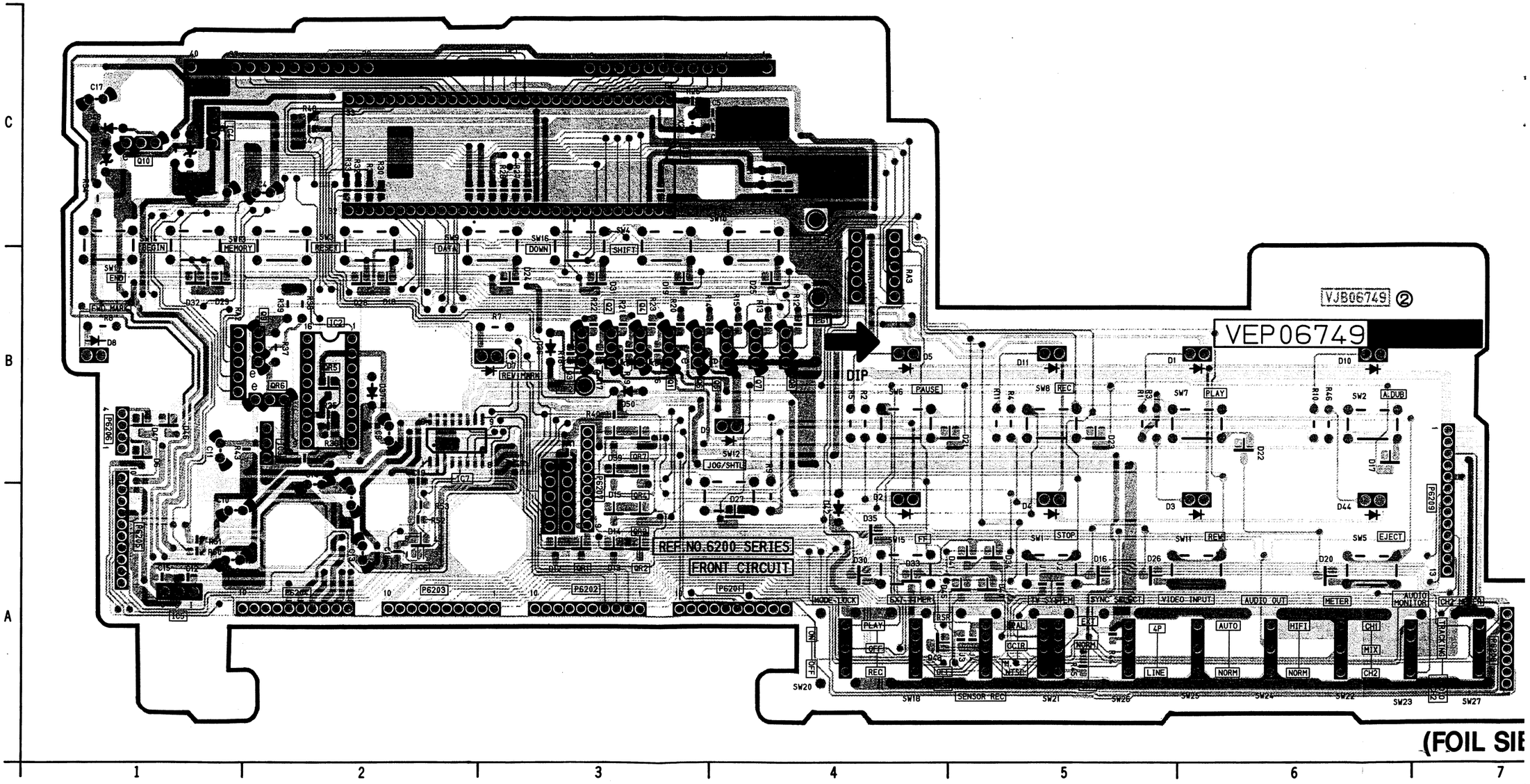
R2176 47K
R2177 47K
R2178 47K
R2179 47K
R2180 47K
R2181 47K


IC2003 AN3726K
IC2008 LM358P5
IC2009 MN1280-R
IC2010 MN1280-R
IC2011 AN78L05 IN
IC2012 AN3815K
IC2013 LM393P5
IC2014 LM358P5
IC2015 MC14013BF
IC2016 LM358P5
IC2018 TC7S02F
IC2019 TC7S02F
IC2021 MS0527-E31SP
IC2022 TC7S08F
IC2005 NJM2233BM
IC2002 MC14053BF
IC2001 AN3815K
IC2009 BA6383
TO SYSCON
S DATA
S CLK
WSE (L)
4FH
S YHS (H)
WIDE OUT (L)
NTSC (L)
TEST
FROM SYSCON
TCCTL
L.C.CTL
FEOL
FEDML
EXT SYNC
EESYNC
SYNCEXT(L)
EXTSYNC
SYNC
SYNCEXTL
NOT USED
MRET SHINK VSC1689
VJP1237
VJP1932
3
4
5
6
7
8
9
10
11

FRONT C.B.A. AG-7355/7350/7150

(Page SCM-22)



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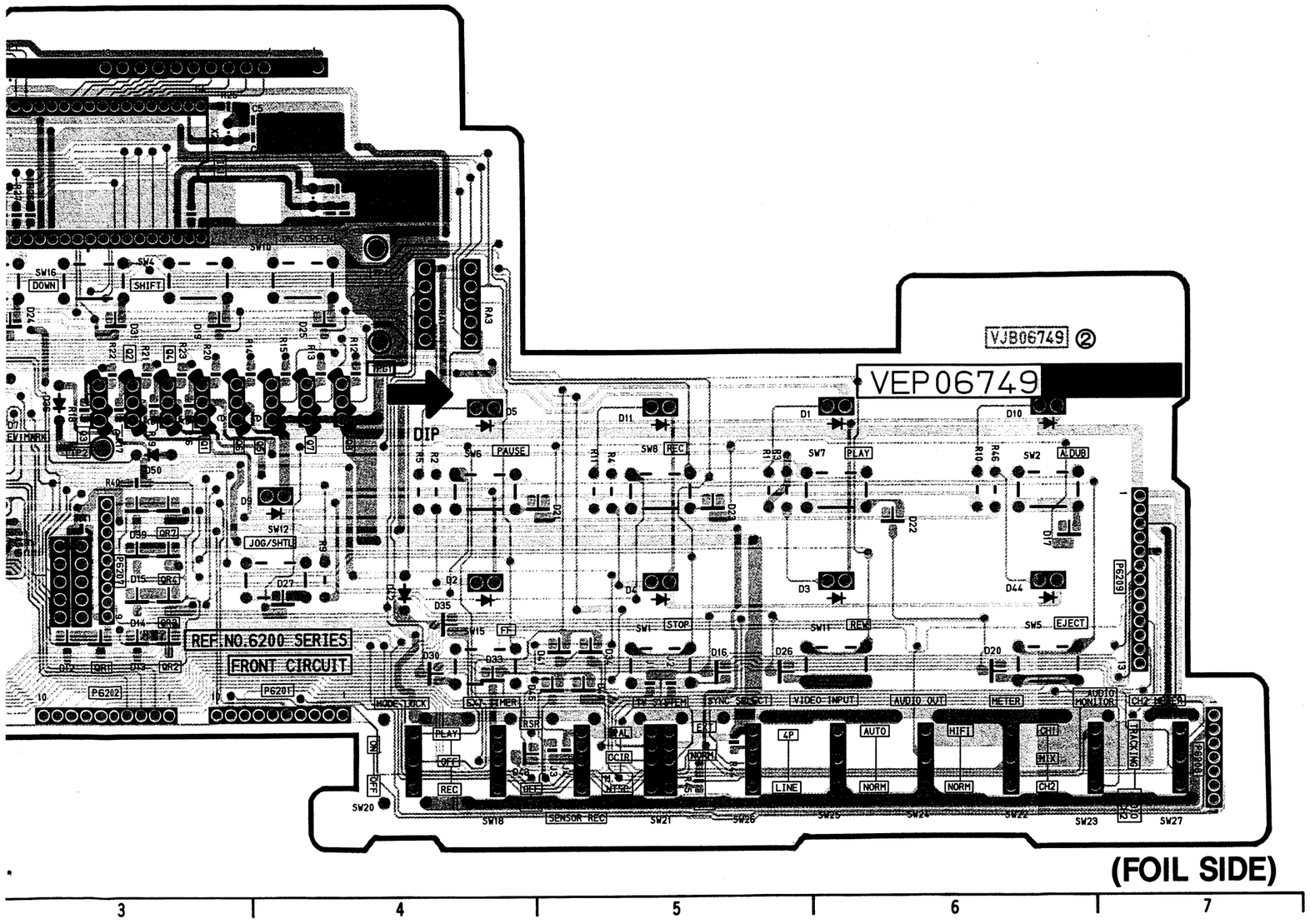


FRONT
C.B.A.

Ttansistor	
Q6201	B-3
Q6202	B-3
Q6203	B-3
Q6204	B-3
Q6205	B-4
Q6206	B-3
Q6207	B-4
Q6208	B-4
Q6209	B-2
Q6210	C-1

Transistor & Resistor	
QR6201	A-3
QR6202	A-3
QR6203	A-3
QR6204	A-3
QR6205	B-2
QR6206	B-2
QR6207	B-3

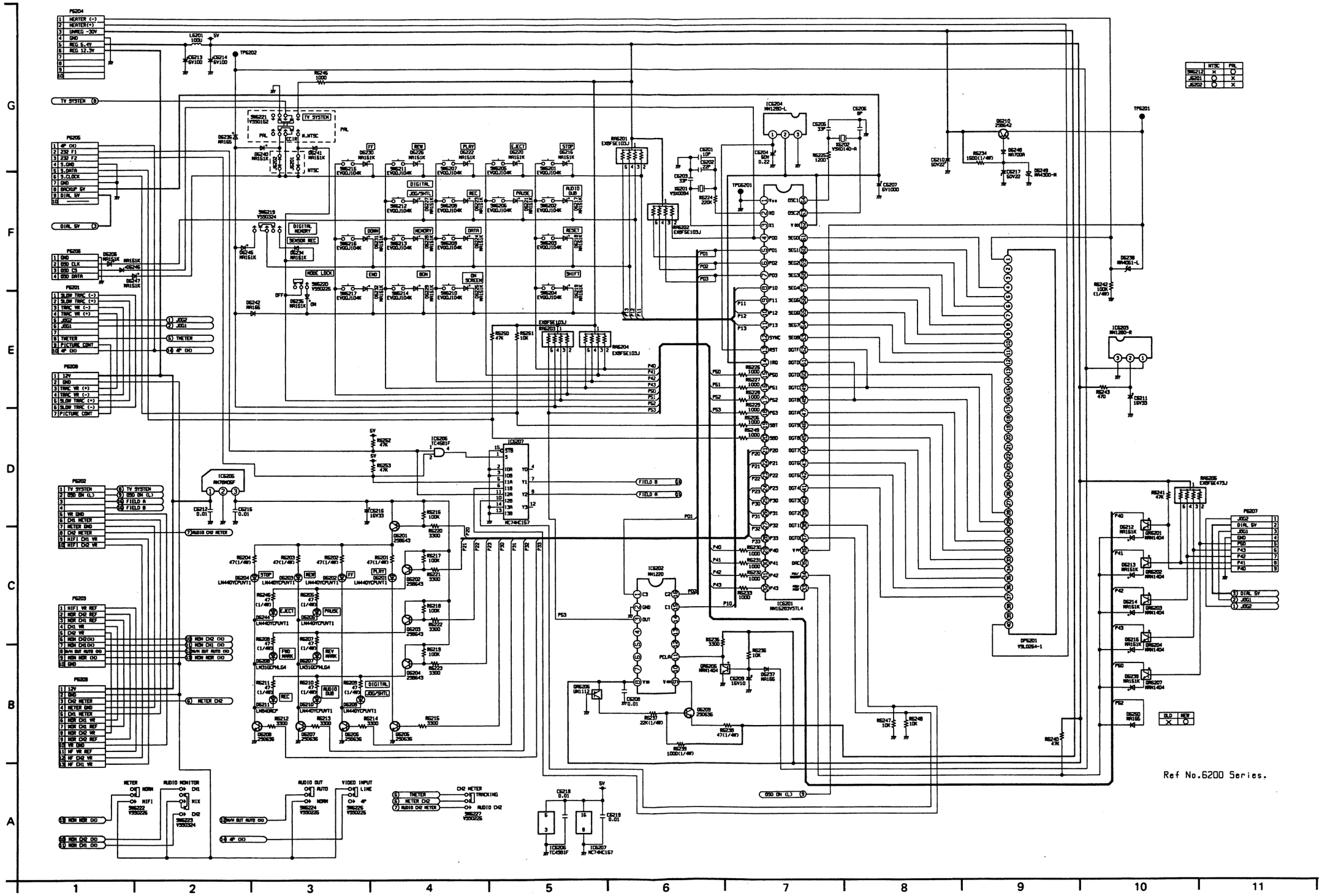
Integrated Circuit	
IC6201	C-3
IC6202	B-2
IC6203	B-2
IC6204	C-1
IC6205	A-1
IC6206	A-2
IC6207	B-2

Test Point	
TP6201	C-4
TP6202	B-3
TPG6201	B-4

Connector	
P6201	A-4
P6202	A-3
P6203	A-2
P6204	A-2
P6205	A-1
P6206	B-1
P6207	B-3
P6208	A-7
P6209	A-7

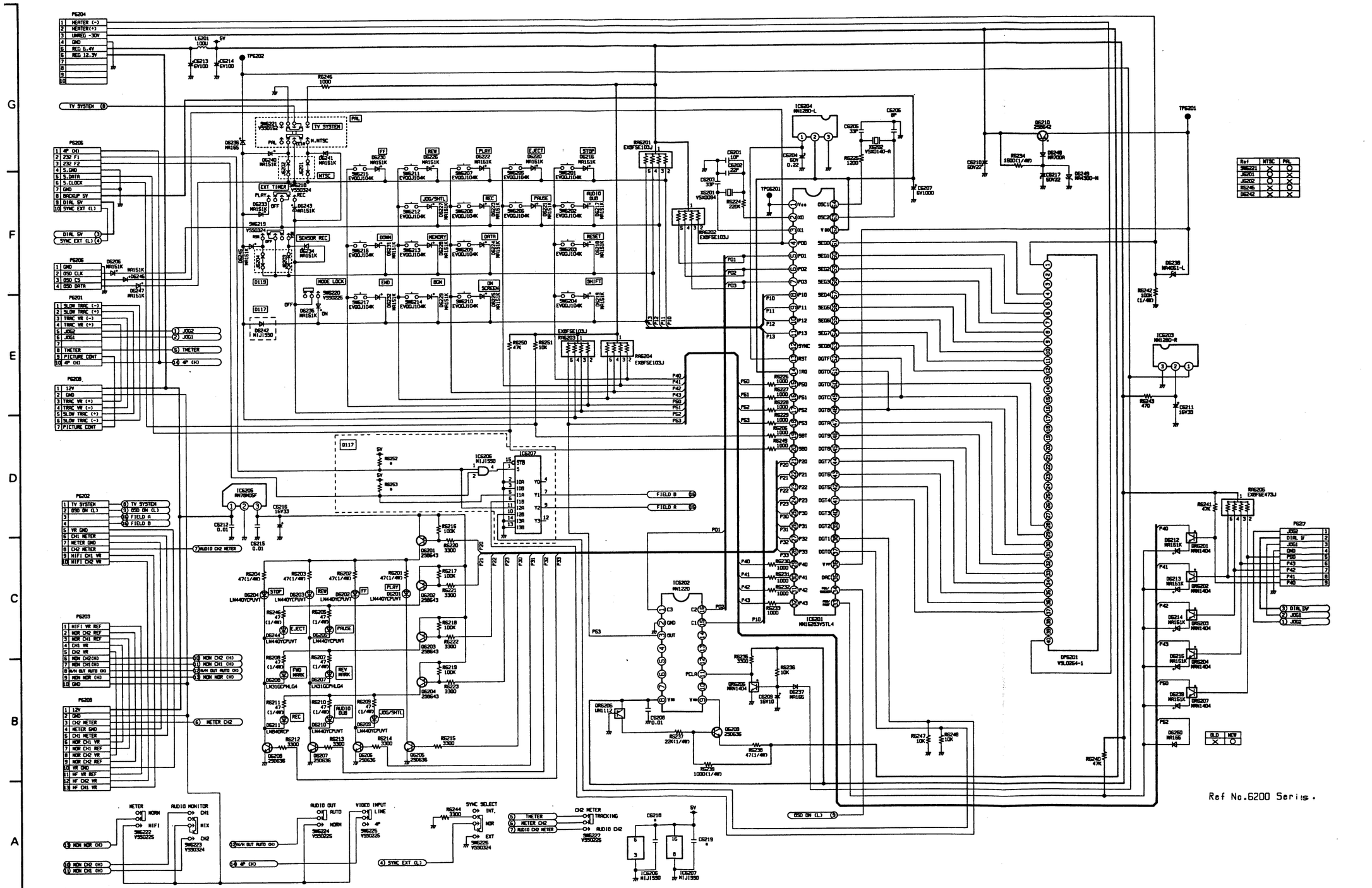
FRONT SCHEMATIC DIAGRAM AG7355

(Page SCM-23)



FRONT SCHEMATIC DIAGRAM AG-7350

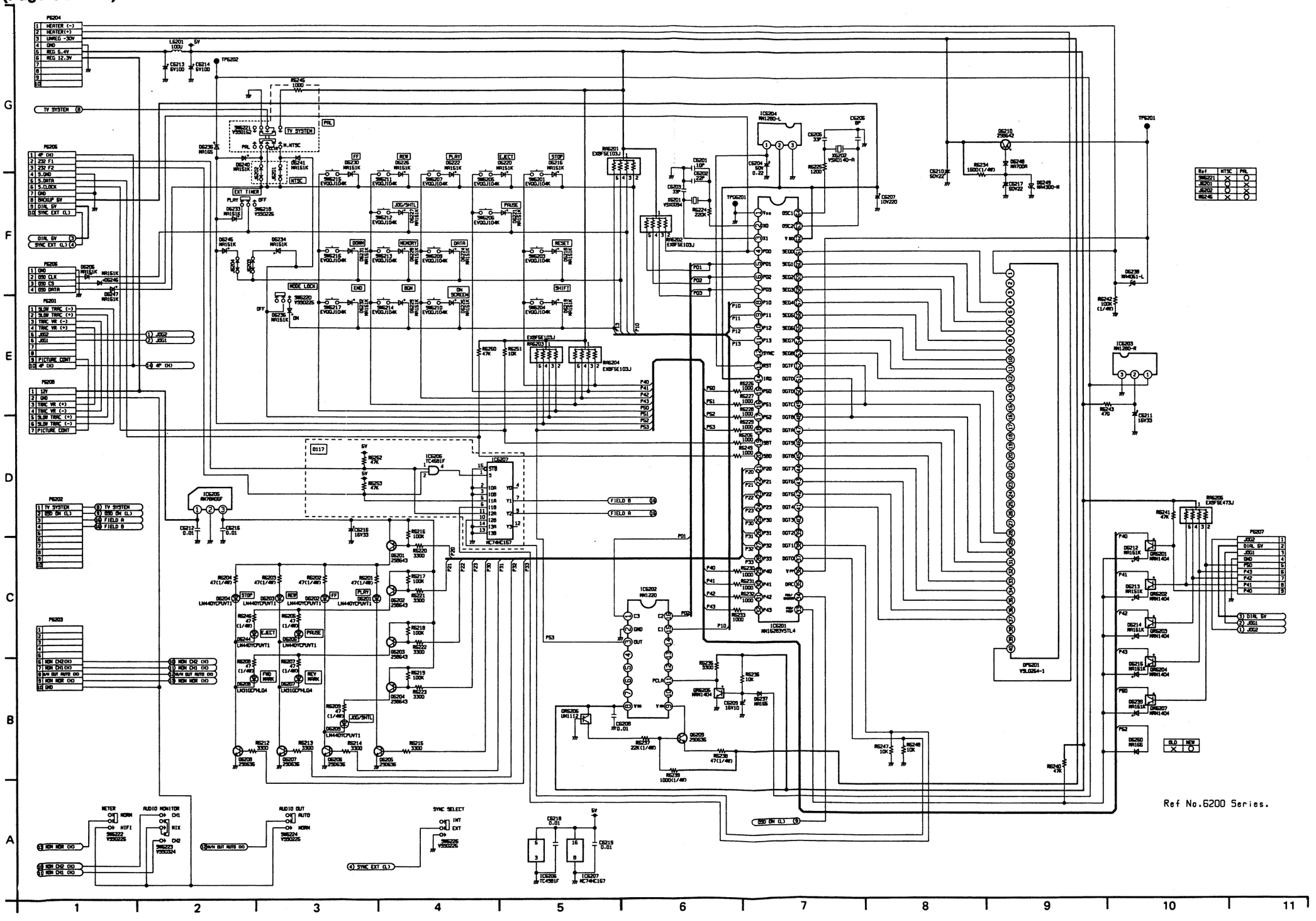
(Page SCM-23)



VIDE-V11134 / Druck95

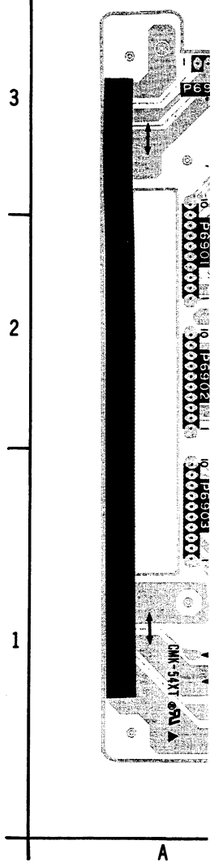
FRONT SCHEMATIC DIAGRAM AG-7150

(Page SCM-23)



REAR JACK (

(Page SCM-25)



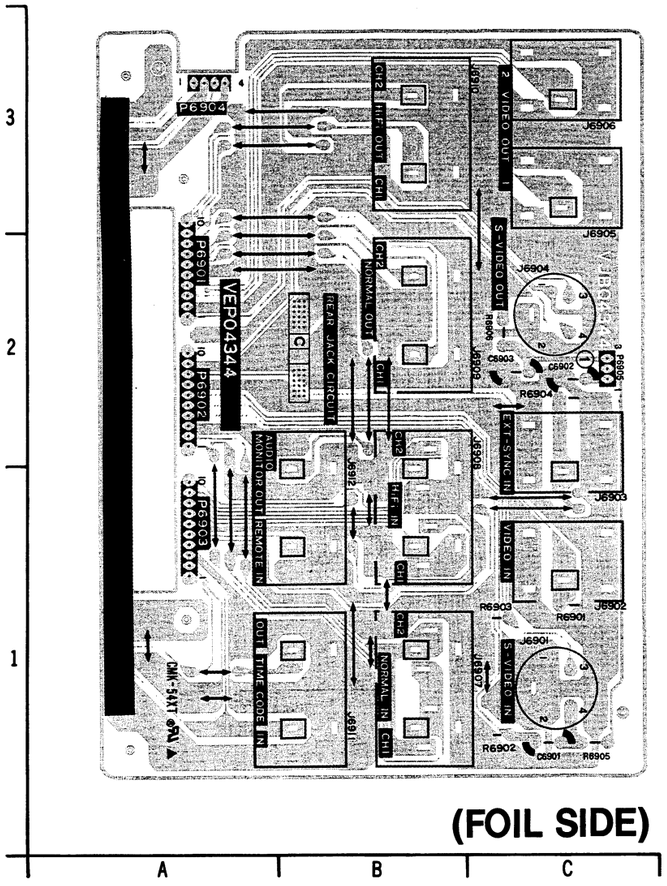
Ref	NTSC	PAL
SWS221	X	O
JK201	O	X
JK202	O	X
RS246	X	O

REARJACK
C.B.A.

Connector	
P6901	A-2
P6902	A-2
P6903	A-1
P6904	A-3

REAR JACK C.B.A. AG-7355/7350/7150

(Page SCM-25)

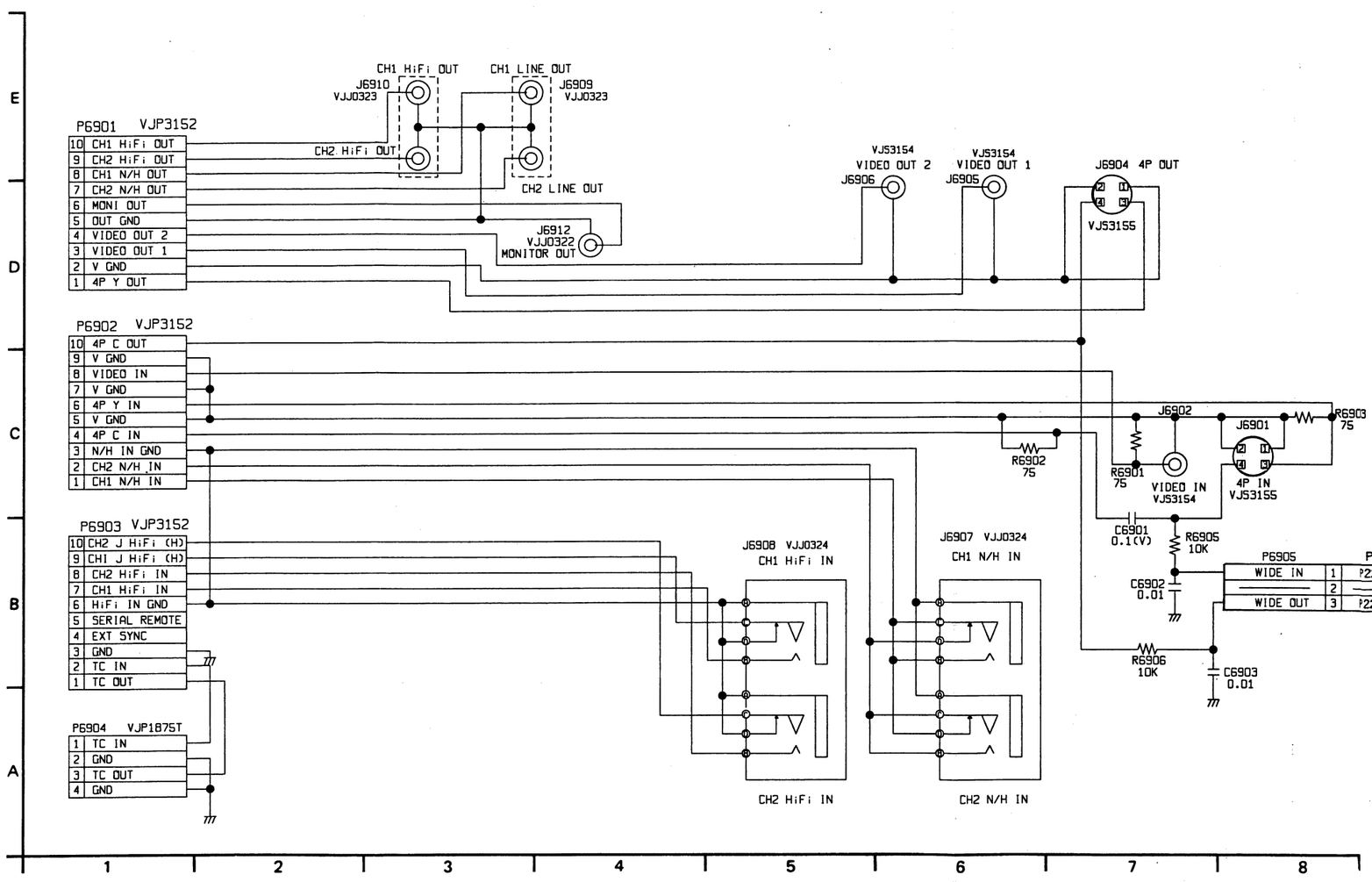


REARJACK
C.B.A.

Connector	
P6901	A-2
P6902	A-2
P6903	A-1
P6904	A-3

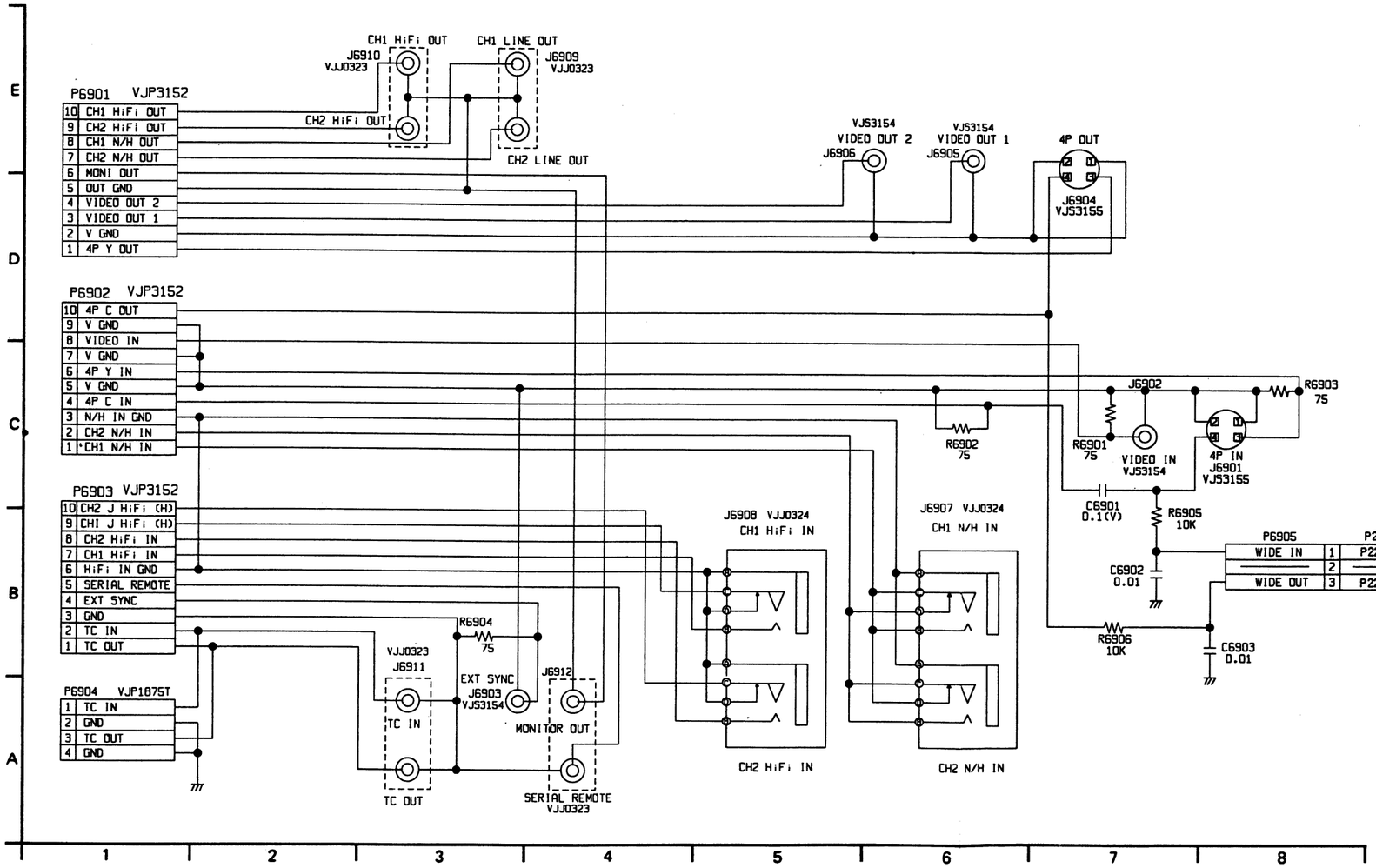
REAR JACK SCHEMATIC DIAGRAM AG-7355

(Page SCM-25)



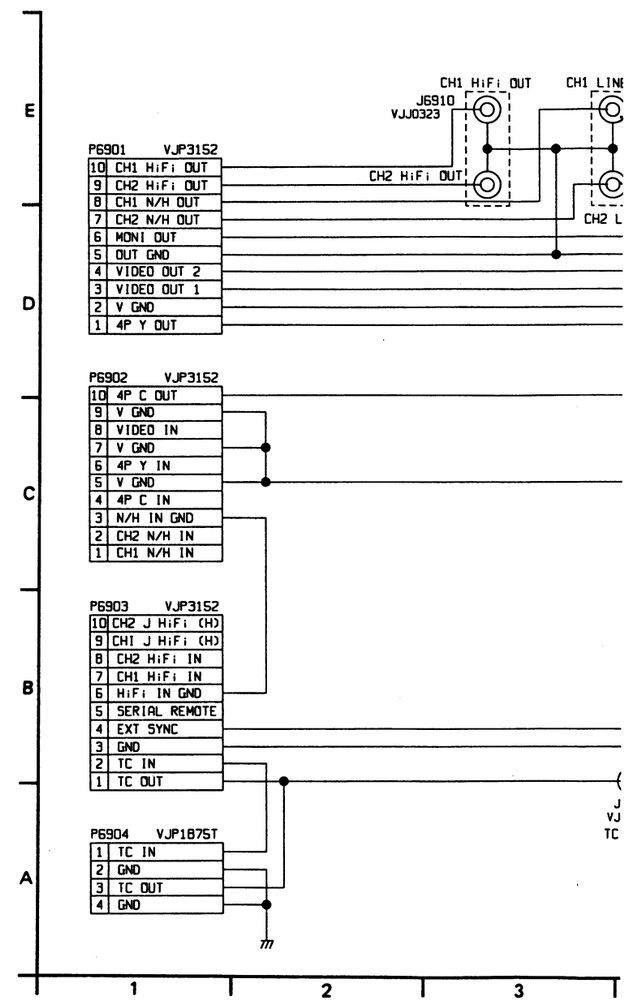
REAR JACK SCHEMATIC DIAGRAM AG-7350

(Page SCM-25)



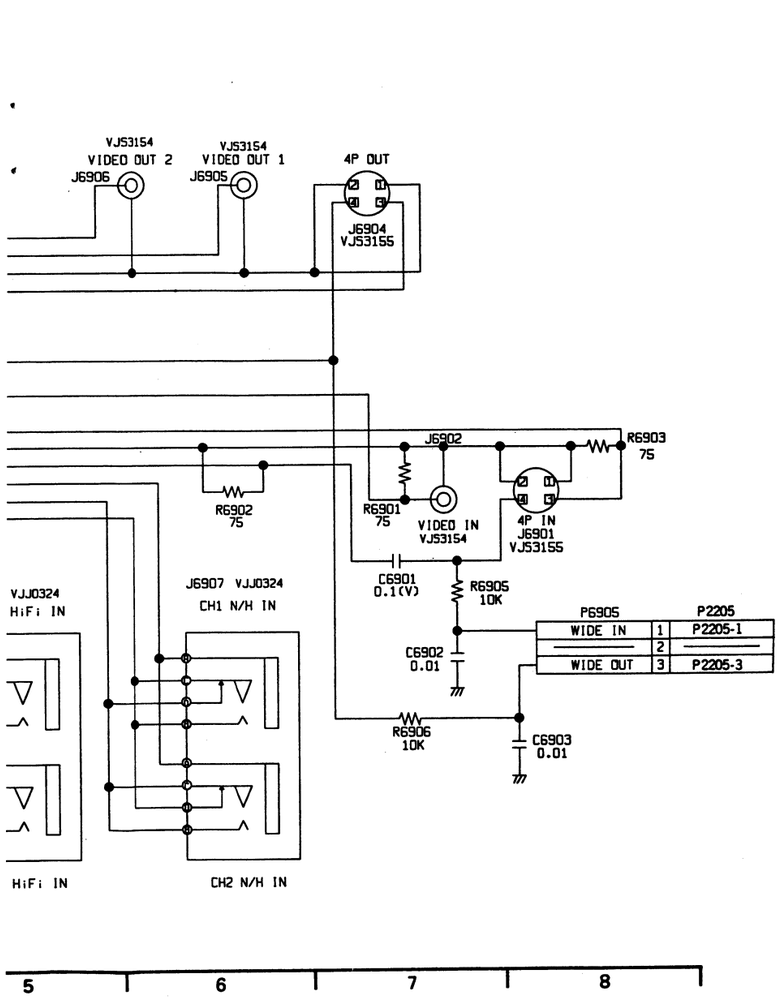
REAR JACK SCHEMATIC DIAGRAM

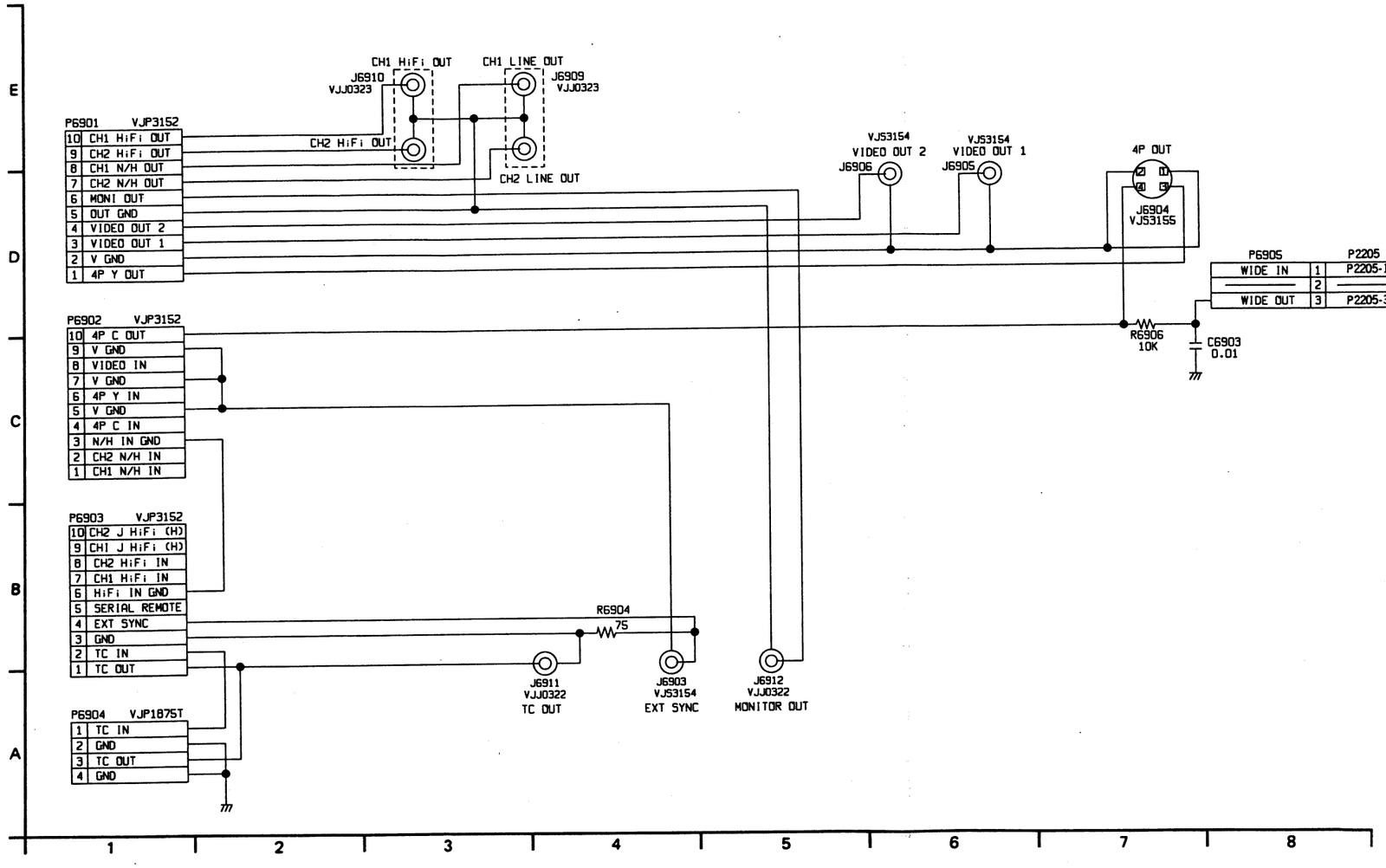
(Page SCM-25)



REAR JACK SCHEMATIC DIAGRAM AG-7150

(Page SCM-25)





Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
	■	VEP06848F	P.C.BOARD W/COMPONENT		FOR AG-7350E/B
			SERVO & SYSTEM CONTROL		
BAT6001		VSB0173	BATTRY	1	
C1901,02		ECEA1EU331	E.CAPACITOR 25V 330U	2	
C1903		ECEA1VKA470	E.CAPACITOR 35V 47U	1	
C1904		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C1905		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C1906		ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C1907		ECUM1H271KBN	C.CAPACITOR CH 50V 270P	1	
C1908-10		ECEA1HKA010	E.CAPACITOR 50V 1U	3	
C1911		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C1912,13		ECEA1EU221	E.CAPACITOR 25V 220U	2	
C1914		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C1915		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C2001		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2002		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2003		ECQB1H683JF	P.CAPACITOR 50V 0.068U	1	
C2004		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C2005,06		ECEA1CKA470	E.CAPACITOR 16V 47U	2	
C2007		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2008		ECQB1H332JF	P.CAPACITOR 50V 3300P	1	
C2009		ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C2010		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2011		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C2013		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C2015,16		ECEA1CKA100	E.CAPACITOR 16V 10U	2	
C2017		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2018		ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C2019		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C2020		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2022,23		ECQV1H564JZ	P.CAPACITOR 50V 0.56U	2	
C2027		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C2028		ECQB1H333JF	P.CAPACITOR 50V 0.033U	1	
C2029		ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C2030		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2031		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C2032		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C2033		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2034		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2035		ECEA1HKAR22	E.CAPACITOR 50V 0.22U	1	
C2036		ECQB1H222JF	P.CAPACITOR 50V 2200P	1	
C2037,38		ECEA1CKA100	E.CAPACITOR 16V 10U	2	
C2039		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C2040,41		ECEA1CKA330	E.CAPACITOR 16V 33U	2	
C2042		ECEA1C047	E.CAPACITOR 10V	1	
C2043,44		ECEA1HKA3R3	E.CAPACITOR 50V 3.3U	2	
C2045,46		ECQB1H472JF	P.CAPACITOR 50V 4700P	2	
C2047		ECQB1H223JF	P.CAPACITOR 50V 0.022U	1	
C2048		ECEA1HKA3R3	E.CAPACITOR 50V 3.3U	1	
C2049		ECUM1H123KBN	C.CAPACITOR CH 50V 0.012U	1	
C2050		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C2051		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2052		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2053		ECUM1E1042FN	C.CAPACITOR CH 25V 0.1U	1	
C2054		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2055		ECUM1E1042FN	C.CAPACITOR CH 25V 0.1U	1	
C2056		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2057,58		ECUM1H271KBN	C.CAPACITOR CH 50V 270P	2	
C2059		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2060		ECEA1EU101	E.CAPACITOR 25V 100U	1	
C2061		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C2062-64		ECEA1HKA0R1	E.CAPACITOR 50V 0.1U	3	
C2065		ECQB1H683JF	P.CAPACITOR 50V 0.068U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C2066-68		ECEA1EKN4R7	E.CAPACITOR 25V 4.7U	3	
C2069		ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C2070		ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C2071		ECEA1EU101	E.CAPACITOR 25V 100U	1	
C2072		ECQB1H333JF	P.CAPACITOR 50V 0.033U	1	
C2073		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C2074-76		ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	3	
C2077-79		ECQB1H332JF	P.CAPACITOR 50V 3300P	3	
C2080-82		ECQB1H333JF	P.CAPACITOR 50V 0.033U	3	
C2083		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C2084		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2085,86		ECEA1EU101	E.CAPACITOR 25V 100U	2	
C2087		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2088		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C2089		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2090		ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	1	
C2091		ECQV1H474JZ	P.CAPACITOR 50V 0.47U	1	
C2092		ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C2093		ECEA1CKA330	E.CAPACITOR 16V 33U	1	
C2094,95		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C2096,97		ECUM1H271KBN	C.CAPACITOR CH 50V 270P	2	
C2098,99		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C2100		ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	1	
C2101-05		ECUM1H271KBN	C.CAPACITOR CH 50V 270P	5	
C2106		ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	1	
C2107		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C2108,09		ECQB1H104JF	P.CAPACITOR 50V 0.1U	2	
C2110		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C2111		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C2113		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2114		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2115		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C2116,17		ECUM1H561JCN	C.CAPACITOR CH 50V 560P	2	
C2118		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C2121		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C2122		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2124-26		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C2127		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2128,29		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C2130-32		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C2150		ECKF1H561KB	C.CAPACITOR 50V 560P	1	
C6001		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6002		ECUM1H182KBN	C.CAPACITOR CH 50V 1800P	1	
C6003		ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C6004-06		ECQB1H104JF	P.CAPACITOR 50V 0.1U	3	
C6007		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C6008		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6009		ECEA1CU102B	E.CAPACITOR 16V 1000U	1	
C6010		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6011		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C6012		ECEA1CU102B	E.CAPACITOR 16V 1000U	1	
C6014		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C6015		ECEA1EKA470	E.CAPACITOR 25V 47U	1	
C6016,17		ECQB1H104JF	P.CAPACITOR 50V 0.1U	2	
C6018		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C6019		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C6020		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C6021		ECEA1CN101	E.CAPACITOR 16V 100U	1	
C6022		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C6023		ECQV1H224JZ	P.CAPACITOR 50V 0.22U	1	
C6024		ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C6025,26		ECEA1ASS332	E.CAPACITOR 10V 3300U	2	
C6027		ECQV1H224JZ	P.CAPACITOR 50V 0.22U	1	
C6028		ECQB1H333JF	P.CAPACITOR 50V 0.033U	1	
C6029		ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C6030		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C6031		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6032		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C6033,34		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C6035,36		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C6037,38		ECEA1CKA470	E.CAPACITOR 16V 47U	2	
C6039		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6040		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C6041		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6043		ECEA1HKA010	E.CAPACITOR 50V 1U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C6044-46		ECUM1H271KBN	C.CAPACITOR CH 50V 270P	3	
C6048		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C6049,50		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C6051		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C6052		ECUM1H272KBN	C.CAPACITOR CH 50V 2700P	1	
C6053		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6054		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C6056		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6057		ECEA1ASS332	E.CAPACITOR 10V 3300U	1	
C6059,60		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C6061		ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	1	
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D1902		MA4110M	DIODE	1	<R>
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D1905		MA151K	DIODE	1	<R>
D2001-04		MA151K	DIODE	4	<R>
D2005		MA723VT	DIODE	1	<R>
D2006		MA151K	DIODE	1	<R>
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D2018-20		11EQS04	DIODE	3	<R>
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D2024		MA4062M	DIODE	1	<R>
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D6006		MA151WA	DIODE	1	<R>
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D6014		MA151K	DIODE	1	<R>
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D6019,20		11EQS04	DIODE	2	<R>
D6021		MA151K	DIODE	1	<R>
D6022		11EQS04	DIODE	1	<R>
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IC2005		NJM2233BMA	IC	1	<R>
IC2008		LM358PS	IC	1	<R>
IC2009		BA6435S	IC	1	<R>
IC2010		MN1280R	IC	1	<R>
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IC2012		AN3815K	IC	1	<R>
IC2013		LM393PS	IC	1	<R>
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IC2015		MC14013BF	IC	1	<R>
IC2016,17		LM393PS	IC	2	<R>
IC2018,19		TC7S02F	IC	2	<R>
IC2020		TC4W53F	IC	1	<R>
IC2021		M50927-531SP	IC	1	<R>
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IC6003		LM339NS	IC	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
IC6004		MN188166VTST	IC	1	<R>
IC6005		M54649L	IC	1	<R>
IC6006		MN4019BS	IC	1	<R>
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IC6012		MN1280R	IC	1	<R>
J2001,02		ERJ6GEYOR00	M.RESISTOR CH 1/10W 0	2	
J2004-08		ERJ6GEYOR00	M.RESISTOR CH 1/10W 0	5	
J2010		ERJ6GEYOR00	M.RESISTOR CH 1/10W 0	1	
J2012		ERJ6GEYOR00	M.RESISTOR CH 1/10W 0	1	
J6003,04		ERJ6GEYOR00	M.RESISTOR CH 1/10W 0	2	
L1901,02		ELC10E014	COIL	2	
L1903		VLQ0460	COIL	1	
L2001		VLQ0460	COIL	1	
L2002		VLQEL05K102J	COIL	1	
L2003-05		VLQ0460	COIL	3	
L2006-10		VLQEL05K221J	COIL	5	
L2011		VLQEL05K470J	COIL	1	
L2012-14		VLQ0460	COIL	3	
L6001		VLQEL05K471J	COIL	1	
L6002		VLQEL05K150J	COIL	1	
L6003-06		VLQEL05K221J	COIL	4	
L6007		VLQ0460	COIL	1	
P2001		VJP1230T	CONNECTOR (MALE)	1	
P2002		VJP1236T	CONNECTOR (MALE)	1	
P2003		VJP3078	CONNECTOR (MALE)	1	
P2004		VJP3083	CONNECTOR (MALE)	1	
P2201,02		VJR0477	PACK PIN	2	
P6001-03		VJS2123	CONNECTOR (FEMALE)	3	
P6004		VJP3078	CONNECTOR (MALE)	1	
P6005		VJP3079	CONNECTOR (MALE)	1	
P6006		VJP1232T	CONNECTOR (MALE)	1	
P6007		VJS2650A0042	CONNECTOR (FEMALE)	1	
P6008		VJP1235T	CONNECTOR (MALE)	1	
P6009		VJP3079	CONNECTOR (MALE)	1	
P6010		VJP1230G	CONNECTOR (MALE)	1	
P6011		VJP3078	CONNECTOR (MALE)	1	
P6012		VJP3080	CONNECTOR (MALE)	1	
Q1901		2SD1275	TRANSISTOR	1	<R>
Q1902,03		2SB772	TRANSISTOR	2	<R>
Q2001		2SD1275	TRANSISTOR	1	<R>
Q2004		MSD601-R	TRANSISTOR	1	<R>
Q2005		MSC2295-B	TRANSISTOR	1	<R>
Q2006-08		MSD601-R	TRANSISTOR	3	<R>
Q2010,11		MSD601-R	TRANSISTOR	2	<R>
Q6001		2SD638	TRANSISTOR	1	<R>
Q6002		MSB710-R	TRANSISTOR	1	<R>
Q6003,04		2SB819	TRANSISTOR	2	<R>
Q6005,06		MSD601-R	TRANSISTOR	2	<R>
Q6007		2SD636-R	TRANSISTOR	1	<R>
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Q6010-12		MSD601-R	TRANSISTOR	3	<R>
Q6013		2SB819	TRANSISTOR	1	<R>
Q6014,15		MSD601-R	TRANSISTOR	2	<R>
Q6016		2SB941	TRANSISTOR	1	<R>
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Q6024		2SD1273	TRANSISTOR	1	<R>

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QR2005-07		MRN1404	T
QR2012		MRN2404	T
QR6001		MRN1403	T
QR6002,03		MRN1404	T
QR6004		DTA143XK	T
QR6006		MRN1402	T
QR6007		MRN1404	T
QR6008		MRN2404	T
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QR6010		MRN1404	T
QR6011		MRN2404	T
QR6012		MRN1403	T
QR6013		MRN1404	T
QR6014		UN2215	T
QR6015-18		MRN1404	T
QR6019,20		MRN2402	T
QR6021-24		MRN1404	T
QR6025		MRN2404	T
QR6026-30		MRN1404	T
R1901		ERQ12HJ3R9	F
R1902		ERJ6GEYJ681	M
R1903		ERJ6GEYJ563	M
R1904,05		ERJ6GEYJ154	M
R1906		ERX12SJR82	M
R1907		ERJ6GEYJ391	M
R1908		ERJ6GEYJ182	M
R1909		ERX12SJR82	M
R1910		ERJ6GEYJ391	M
R1911		ERJ6GEYJ182	M
R2001		ERJ6GEYJ102	M
R2002		ERJ6GEYJ104	M
R2003		ERJ6GEYJ102	M
R2004		ERJ6GEYJ222	M
R2005		ERJ6GEYJ471	M
R2006		ERJ6GEYJ154	M
R2007		ERJ6GEYJ102	M
R2008		ERJ6GEYJ103	M
R2013-15		ERJ6GEYJ223	M
R2016		ERJ6GEYJ272	M
R2017,18		ERJ6GEYJ332	M
R2019		ERJ6GEYJ224	M
R2020		ERJ6GEYJ392	M
R2021		ERJ6GEYJ103	M
R2022		ERJ6GEYJ224	M
R2024		ERJ6GEYJ392	M
R2025,26		ERJ6GEYJ103	M
R2027		ERJ6GEYJ821	M
R2029		ERJ6GEYJ103	M
R2030		ERJ6GEYJ104	M
R2031		ERJ6GEYJ102	M
R2032		ERJ6GEYJ473	M
R2033		ERJ6GEYG103	M
R2034		ERJ6GEYG241	M
R2035		ERJ6GEYJ103	M
R2036		ERJ6GEYJ182	M
R2037		ERJ6GEYJ822	M
R2038		ERJ6GEYJ102	M
R2039		ERJ6GEYJ474	M
R2040		ERJ6GEYJ473	M
R2041		ERJ6GEYJ332	M
R2042		ERJ6GEYJ103	M
R2043		ERJ6GEYJ333	M
R2044,45		ERJ6GEYJ102	M
R2046,47		ERJ6GEYJ332	M
R2048		ERJ6GEYJ222	M
R2049		ERJ6GEYJ332	M
R2050		ERJ6GEYJ474	M
R2051		ERJ6GEYJ102	M
R2054		ERJ6GEYJ103	M

emarks

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R6017		ERJ6GEYJ683	M.RESISTOR CH1/16W 68K	1	
R6018		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R6019,20		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R6021		ERJ6GEYJ683	M.RESISTOR CH1/16W 68K	1	
R6022		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6023		ERJ6GEYJ563	M.RESISTOR CH1/16W 56K	1	
R6024		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R6025		ERJ6GEYJ564	M.RESISTOR CH1/16W 560K	1	
R6026,27		ERJ6GEYJ563	M.RESISTOR CH1/16W 56K	2	
R6028		ERJ6GEYJ273	M.RESISTOR CH1/16W 27K	1	
R6029		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R6030		ERJ6GEYJ564	M.RESISTOR CH1/16W 560K	1	
R6031		ERJ6GEYJ273	M.RESISTOR CH1/16W 27K	1	
R6032		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6033		ERJ6GEYJ563	M.RESISTOR CH1/16W 56K	1	
R6034		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R6035		ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R6036		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6037		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6038		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6039		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6040		ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	1	
R6041		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6042		ERJ6GEYJ682	M.RESISTOR CH1/16W 6.8K	1	
R6043,44		ERJ6GEYJ821	M.RESISTOR CH1/16W 820	2	
R6045		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6046		ERJ6GEYJ183	M.RESISTOR CH1/16W 18K	1	
R6047		ERJ6GEYJ272	M.RESISTOR CH1/16W 2.7K	1	
R6048,49		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R6050		ERJ6GEYJ272	M.RESISTOR CH1/16W 2.7K	1	
R6051		ERJ6GEYJ183	M.RESISTOR CH1/16W 18K	1	
R6052		ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R6053		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R6054		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6055-58		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	4	
R6060		ERJ6GEYJ181	M.RESISTOR CH1/16W 180	1	
R6061		ERD2FCVG220	C.RESISTOR 2W 22	1	
R6062		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R6063		ERJ6GEYJ392	M.RESISTOR CH1/16W 3.9K	1	
R6064		ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	1	
R6065,66		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	2	
R6067-73		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	7	
R6074,75		ERJ6GEYJ682	M.RESISTOR CH1/16W 6.8K	2	
R6076		ERJ6GEYJ562	M.RESISTOR CH1/16W 5.6K	1	
R6077		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R6078		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6079		ERJ6GEYJ681	M.RESISTOR CH1/16W 680	1	
R6080		ERDS2TJ151	C.RESISTOR 1/4W 150	1	
R6081		ERJ6GEYJ683	M.RESISTOR CH1/16W 68K	1	
R6082,83		ERG1SJ300	M.RESISTOR 1W 30	2	
R6084		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6085		ERJ6GEYJ682	M.RESISTOR CH1/16W 6.8K	1	
R6086,87		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	2	
R6088		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R6089		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R6090		ERDS1TJ2R2	C.RESISTOR 1/2W 2.2	1	
R6091,92		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R6093		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6094		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R6095-98		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	4	
R6099		ERDS2TJ333	C.RESISTOR 1/4W 33K	1	
R6100		ERJ6GEYJ183	M.RESISTOR CH1/16W 18K	1	
R6101		ERJ6GEYJ474	M.RESISTOR CH1/16W 470K	1	
R6102		ERJ6GEYJ121	M.RESISTOR CH1/16W 120	1	
R6103		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6104,05		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	2	
R6106		ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R6109		ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R6110		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6114		ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R6115		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6116		ERJ6GEYJ823	M.RESISTOR CH1/16W 82K	1	
R6117		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R6118		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6119-27		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	9	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R6131		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6132		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R6133		ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R6134		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R6135		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6136		ERJ6GEYJ101	M.RESISTOR CH1/16W 100	1	
R6137		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6138		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R6139		ERJ6GEYJ101	M.RESISTOR CH1/16W 100	1	
R6140		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R6141		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R6144		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6151		ERJ6GEYJ330	M.RESISTOR CH1/16W 33	1	
SW6001		VSS0240	SWITCH	1	<R>
T6001		EIQ7QF002B	TRANSFORMER	1	
VR2001		EVMF6SA00B15	V.RESISTOR 100K	1	
VR2003		EVMF6SA00B15	V.RESISTOR 100K	1	
VR2201		EVMF6SA00B54	V.RESISTOR 50K	1	
VR2202		EVMF6SA00B15	V.RESISTOR 100K	1	
VR2203		EVMF6SA00B54	V.RESISTOR 50K	1	
VR2204-06		EVMF6SA00B15	V.RESISTOR 100K	3	
VR2207		EVMF6SA00B54	V.RESISTOR 50K	1	
VR2208		EVMF6SA00B23	V.RESISTOR 2K	1	
X1901		VSX0136	CRYSTAL OSCILLATOR	1	
X2001		VSX0296	CRYSTAL OSCILLATOR	1	
X2002		VSX0086	CRYSTAL OSCILLATOR	1	
X6001		VSX0230	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VMC0075	HEAT SINK ANGLE	1	
		VMX0985	SPACER	2	
		VMZ0960	HEAT SINK BARRIER	1	
		VSC1068	HEAT SINK	1	
		VSC1689	HEAT SINK	1	
		VSC2761	SHIELD CASE (TOP)	1	
		VSC2763	SHIELD CASE (BOTTOM)	1	
		VSC3427	SHIELD CASE (MAIN)	1	
		XTV3+8F	SCREW	1	
		VKC0271	HINGE CLIP	2	
	■	VEP06848C	P.C.BOARD W/COMPONENT		FOR AG-7150E/B
			SERVO & SYSTEM CONTROL		
BAT6001		VSB0173	BATTRY	1	<R>
C1901,02		ECEA1EU331	E.CAPACITOR 25V 330U	2	
C1903		ECEA1VKA470	E.CAPACITOR 35V 47U	1	
C1904		ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
C1905		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C1906		ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C1907		ECUM1H271KBN	C.CAPACITOR CH 50V 270P	1	
C1908-10		ECEA1HKA010	E.CAPACITOR 50V 1U	3	
C1911		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C1912,13		ECEA1EU221	E.CAPACITOR 25V 220U	2	
C1914		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C1915		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C2001		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2002		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2003		ECQB1H683JF	P.CAPACITOR 50V 0.068U	1	
C2004		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C2005,06		ECEA1CKA470	E.CAPACITOR 16V 47U	2	
C2007		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2008		ECQB1H332JF	P.CAPACITOR 50V 3300P	1	
C2009		ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C2010		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2011		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C2013		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C2015,16		ECEA1CKA100	E.CAPACITOR 16V 10U	2	
C2017		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2018		ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C2019		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C2020		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2022,23		ECQV1H564JZ	P.CAPACITOR 50V 0.56U	2	
C2027		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C2028		ECQB1H333JF	P.CAPACITOR 50V 0.033U	1	
C2029		ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C2030		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2031		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C2032		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C2033		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2034		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2035		ECEA1HKAR22	E.CAPACITOR 50V 0.22U	1	
C2036		ECQB1H222JF	P.CAPACITOR 50V 2200P	1	
C2037,38		ECEA1CKA100	E.CAPACITOR 16V 10U	2	
C2039		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C2040,41		ECEA1CKA330	E.CAPACITOR 16V 33U	2	
C2042		ECEA10247	E.CAPACITOR 10V	1	
C2043,44		ECEA1HKA3R3	E.CAPACITOR 50V 3.3U	2	
C2045,46		ECQB1H472JF	P.CAPACITOR 50V 4700P	2	
C2047		ECQB1H223JF	P.CAPACITOR 50V 0.022U	1	
C2048		ECEA1HKA3R3	E.CAPACITOR 50V 3.3U	1	
C2049		ECUM1H123KBN	C.CAPACITOR CH 50V 0.012U	1	
C2050		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C2051		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2052		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2053		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C2054		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2055		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C2056		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2057,58		ECUM1H271KBN	C.CAPACITOR CH 50V 270P	2	
C2059		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2060		ECEA1EU101	E.CAPACITOR 25V 100U	1	
C2061		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C2062-64		ECEA1HKA0R1	E.CAPACITOR 50V 0.1U	3	
C2065		ECQB1H683JF	P.CAPACITOR 50V 0.068U	1	
C2066-68		ECEA1EKN4R7	E.CAPACITOR 25V 4.7U	3	
C2069		ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C2070		ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C2071		ECEA1EU101	E.CAPACITOR 25V 100U	1	
C2072		ECQB1H333JF	P.CAPACITOR 50V 0.033U	1	
C2073		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C2074-76		ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	3	
C2077-79		ECQB1H332JF	P.CAPACITOR 50V 3300P	3	
C2080-82		ECQB1H333JF	P.CAPACITOR 50V 0.033U	3	
C2083		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C2084		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2085,86		ECEA1EU101	E.CAPACITOR 25V 100U	2	
C2087		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2088		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C2089		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2090		ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	1	
C2091		ECQV1H474JZ	P.CAPACITOR 50V 0.47U	1	
C2092		ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C2093		ECEA1CKA330	E.CAPACITOR 16V 33U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C2094,95		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C2096,97		ECUM1H271KBN	C.CAPACITOR CH 50V 270P	2	
C2098,99		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C2100-06		ECUM1H271KBN	C.CAPACITOR CH 50V 270P	7	
C2107		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C2108,09		ECQB1H104JF	P.CAPACITOR 50V 0.1U	2	
C2110		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C2111		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C2113		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2114		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2115		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C2116,17		ECUM1H561JCN	C.CAPACITOR CH 50V 560P	2	
C2118		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C2121		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C2122		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2124-26		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C2127		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2128,29		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C2130-32		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C6001		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6002		ECUM1H182KBN	C.CAPACITOR CH 50V 1800P	1	
C6003		ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C6004-06		ECQB1H104JF	P.CAPACITOR 50V 0.1U	3	
C6007		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C6008		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6009		ECEA1CU102B	E.CAPACITOR 16V 1000U	1	
C6010		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6011		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C6012		ECEA1CU102B	E.CAPACITOR 16V 1000U	1	
C6014		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C6015		ECEA1EKA470	E.CAPACITOR 25V 47U	1	
C6016,17		ECQB1H104JF	P.CAPACITOR 50V 0.1U	2	
C6018		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C6019		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C6020		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C6021		ECEA1CN101	E.CAPACITOR 16V 100U	1	
C6022		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C6023		ECQV1H224JZ	P.CAPACITOR 50V 0.22U	1	
C6024		ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C6025,26		ECEA1ASS332	E.CAPACITOR 10V 3300U	2	
C6027		ECQV1H224JZ	P.CAPACITOR 50V 0.22U	1	
C6028		ECQB1H333JF	P.CAPACITOR 50V 0.033U	1	
C6029		ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C6030		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C6031		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6032		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C6033,34		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C6035,36		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C6037,38		ECEA1CKA470	E.CAPACITOR 16V 47U	2	
C6039		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6040		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C6041		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6043		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C6044-46		ECUM1H271KBN	C.CAPACITOR CH 50V 270P	3	
C6048		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C6049,50		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C6051		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C6052		ECUM1H272KBN	C.CAPACITOR CH 50V 2700P	1	
C6053		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6054		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C6056		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6057		ECEA1ASS332	E.CAPACITOR 10V 3300U	1	
C6059,60		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C6061		ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	1	
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D2001-04		MA151K	DIODE	4	<R>
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
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D2011,12	MA151K	DIODE	2	<R>
D2013	MA4130L	DIODE	1	<R>
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D2015,16	MA151K	DIODE	2	<R>
D2018-20	11EQS04	DIODE	3	<R>
D2021	MA3030-L	DIODE	1	<R>
D2022	MA719	DIODE	1	<R>
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D6003,04	MA151K	DIODE	2	<R>
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D6006	MA151WA	DIODE	1	<R>
D6007,08	MA151K	DIODE	2	<R>
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D6010-12	MA151K	DIODE	3	<R>
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D6014	MA151K	DIODE	1	<R>
D6017,18	MA151K	DIODE	2	<R>
D6019,20	11EQS04	DIODE	2	<R>
D6021	MA151K	DIODE	1	<R>
D6022	11EQS04	DIODE	1	<R>
D6023	MA151K	DIODE	1	<R>
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D6028	10E1	DIODE	1	<R>
D6030	MA165VT	DIODE	1	<R>
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IC2005	NJM2233BMA	IC	1	<R>
IC2008	LM358PS	IC	1	<R>
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IC2011	AN78L05	IC	1	<R>
IC2012	AN3815K	IC	1	<R>
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IC2014	LM358PS	IC	1	<R>
IC2015	MC14013BF	IC	1	<R>
IC2016,17	LM393PS	IC	2	<R>
IC2018,19	TC7S02F	IC	2	<R>
IC2020	TC4W53F	IC	1	<R>
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IC6012	MN1280R	IC	1	<R>
J2001,02	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
J2004-08	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	5	
J2010	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
J2012	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
J6003,04	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
L1901,02	ELC10E014	COIL	2	
L1903	VLQ0460	COIL	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L2001	VLQ0460	COIL	1	
L2002	VLQEL05K102J	COIL	1	
L2003-05	VLQ0460	COIL	3	
L2006-10	VLQEL05K221J	COIL	5	
L2011	VLQEL05K470J	COIL	1	
L2012-14	VLQ0460	COIL	3	
L6001	VLQEL05K471J	COIL	1	
L6002	VLQEL05K150J	COIL	1	
L6003-06	VLQEL05K221J	COIL	4	
L6007	VLQ0460	COIL	1	
P2001	VJP1230T	CONNECTOR (MALE)	1	
P2002	VJP1236T	CONNECTOR (MALE)	1	
P2003	VJP3078	CONNECTOR (MALE)	1	
P2004	VJP3083	CONNECTOR (MALE)	1	
P2201,02	VJR0477	CONNECTOR	2	
P6001-03	VJS2123	CONNECTOR (FEMALE)	3	
P6004	VJP3078	CONNECTOR (MALE)	1	
P6005	VJP3079	CONNECTOR (MALE)	1	
P6006	VJP1232T	CONNECTOR (MALE)	1	
P6007	VJS2650A004Z	CONNECTOR (FEMALE)	1	
P6008	VJP1235T	CONNECTOR (MALE)	1	
P6009	VJP3079	CONNECTOR (MALE)	1	
P6010	VJP1230G	CONNECTOR (MALE)	1	
P6011	VJP3078	CONNECTOR (MALE)	1	
P6012	VJP3080	CONNECTOR (MALE)	1	
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Q1902,03	2SB772	TRANSISTOR	2	<R>
Q2001	2SD1275	TRANSISTOR	1	<R>
Q2004	MSD601-R	TRANSISTOR	1	<R>
Q2005	MSC2295-B	TRANSISTOR	1	<R>
Q2006-08	MSD601-R	TRANSISTOR	3	<R>
Q2010,11	MSD601-R	TRANSISTOR	2	<R>
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Q6002	MSB710-R	TRANSISTOR	1	<R>
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Q6010-12	MSD601-R	TRANSISTOR	3	<R>
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Q6014,15	MSD601-R	TRANSISTOR	2	<R>
Q6016	2SB941	TRANSISTOR	1	<R>
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QR2001	MRN1402	TRANSISTOR-RESISTOR	1	<R>
QR2003	MRN1404	TRANSISTOR-RESISTOR	1	<R>
QR2005-07	MRN1404	TRANSISTOR-RESISTOR	3	<R>
QR2012	MRN2404	TRANSISTOR-RESISTOR	1	<R>
QR6001	MRN1403	TRANSISTOR-RESISTOR	1	<R>
QR6002,03	MRN1404	TRANSISTOR-RESISTOR	2	<R>
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QR6014	UN2215	TRANSISTOR-RESISTOR	1	<R>
QR6015-18	MRN1404	TRANSISTOR-RESISTOR	4	<R>
QR6019,20	MRN2402	TRANSISTOR-RESISTOR	2	<R>
QR6021-24	MRN1404	TRANSISTOR-RESISTOR	4	<R>
QR6025	MRN2404	TRANSISTOR-RESISTOR	1	<R>
QR6026-30	MRN1404	TRANSISTOR-RESISTOR	5	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R1901		ERQ12HJ3R9	F.RESISTOR 1/2W 3.9	1	
R1902		ERJ6GEYJ681	M.RESISTOR CH1/16W 680	1	
R1903		ERJ6GEYJ563	M.RESISTOR CH1/16W 56K	1	
R1904,05		ERJ6GEYJ154	M.RESISTOR CH1/16W 150K	2	
R1906		ERX12SJR82	M.RESISTOR 1/2W 0.82	1	
R1907		ERJ6GEYJ391	M.RESISTOR CH1/16W 390	1	
R1908		ERJ6GEYJ182	M.RESISTOR CH1/16W 1.8K	1	
R1909		ERX12SJR82	M.RESISTOR 1/2W 0.82	1	
R1910		ERJ6GEYJ391	M.RESISTOR CH1/16W 390	1	
R1911		ERJ6GEYJ182	M.RESISTOR CH1/16W 1.8K	1	
R2001		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R2002		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R2003		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R2004		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R2005		ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R2006		ERJ6GEYJ154	M.RESISTOR CH1/16W 150K	1	
R2007		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R2008		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2013-15		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	3	
R2016		ERJ6GEYJ272	M.RESISTOR CH1/16W 2.7K	1	
R2017,18		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	2	
R2019		ERJ6GEYJ224	M.RESISTOR CH1/16W 220K	1	
R2020		ERJ6GEYJ392	M.RESISTOR CH1/16W 3.9K	1	
R2021		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2022		ERJ6GEYJ224	M.RESISTOR CH1/16W 220K	1	
R2024		ERJ6GEYJ392	M.RESISTOR CH1/16W 3.9K	1	
R2025,26		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R2027		ERJ6GEYJ821	M.RESISTOR CH1/16W 820	1	
R2029		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2030		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R2031		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R2032		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R2033		ERJ6GEYG103	M.RESISTOR CH1/16W 10K	1	
R2034		ERJ6GEYG241	M.RESISTOR CH1/16W 240	1	
R2035		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2036		ERJ6GEYJ182	M.RESISTOR CH1/16W 1.8K	1	
R2037		ERJ6GEYJ822	M.RESISTOR CH1/16W 8.2K	1	
R2038		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R2039		ERJ6GEYJ474	M.RESISTOR CH1/16W 470K	1	
R2040		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R2041		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R2042		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2043		ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R2044,45		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	2	
R2046,47		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	2	
R2048		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R2049		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R2050		ERJ6GEYJ474	M.RESISTOR CH1/16W 470K	1	
R2051		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R2054		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2056		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R2057		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R2058		ERJ6GEYJ151	M.RESISTOR CH1/16W 150	1	
R2059		ERJ6GEYJ821	M.RESISTOR CH1/16W 820	1	
R2060		ERJ6GEYJ822	M.RESISTOR CH1/16W 8.2K	1	
R2061,62		ERJ6GEYJ392	M.RESISTOR CH1/16W 3.9K	2	
R2063		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R2064		ERJ6GEYJ683	M.RESISTOR CH1/16W 68K	1	
R2065		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2066		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R2067		ERJ6GEYJ122	M.RESISTOR CH1/16W 1.2K	1	
R2068		ERJ6GEYJ681	M.RESISTOR CH1/16W 680	1	
R2069		ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	1	
R2070		ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	1	
R2071,72		ERJ6GEYJ562	M.RESISTOR CH1/16W 5.6K	2	
R2073		ERJ6GEYJ563	M.RESISTOR CH1/16W 56K	1	
R2088		ERX12SJR68	M.RESISTOR 1/2W 0.68	1	
R2089		ERJ6GEYG752	M.RESISTOR CH1/16W 7.5K	1	
R2090		ERJ6GEYJ561	M.RESISTOR CH1/16W 560	1	
R2093		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R2094,95		ERJ6GEYJ330	M.RESISTOR CH1/16W 33	2	
R2096		ERX12SJR56	M.RESISTOR 1/2W 0.56	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R2097		ERJ6GEYJ330	M.RESISTOR CH1/16W 33	1	
R2098		ERJ6GEYJ680	M.RESISTOR CH1/16W 68	1	
R2099-01		ERDS2TJ150	C.RESISTOR 1/4W 15	3	
R210Z,03		ERJ6GEYJ273	M.RESISTOR CH1/16W 27K	2	
R2104		ERJ6GEYJ122	M.RESISTOR CH1/16W 1.2K	1	
R2105		ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	1	
R2106		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2107		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R2108,09		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R2110		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R2112		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2113		ERJ6GEYJ821	M.RESISTOR CH1/16W 820	1	
R2116		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R2119		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2120		ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R2121		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R2122		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R2123		ERJ6GEYJ124	M.RESISTOR CH1/16W 120K	1	
R2125		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R2127		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R212B-30		ERJ6GEYG223	M.RESISTOR CH1/16W 22K	3	
R2131		ERJ6GEYG303	M.RESISTOR CH1/16W 30K	1	
R2132		ERJ6GEYG224	M.RESISTOR CH1/16W 220K	1	
R2133		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2134,35		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	2	
R2136		ERJ6GEYJ821	M.RESISTOR CH1/16W 820	1	
R2137		ERJ6GEYJ273	M.RESISTOR CH1/16W 27K	1	
R2138		ERJ6GEYJ124	M.RESISTOR CH1/16W 120K	1	
R2139		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2140		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R2141		ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R2142		ERJ6GEYJ474	M.RESISTOR CH1/16W 470K	1	
R2143,44		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	2	
R2145-47		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	3	
R2148,49		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	2	
R2151		ERJ6GEYJ330	M.RESISTOR CH1/16W 33	1	
R2152		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R2153		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R2154		ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	1	
R2155		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R6001		ERDS2TJ391	C.RESISTOR 1/4W 390	1	
R6004		ERJ6GEYJ681	M.RESISTOR CH1/16W 680	1	
R6005		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R6006		ERJ6GEYJ564	M.RESISTOR CH1/16W 560K	1	
R6007		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6008		ERDS1TJ153	C.RESISTOR 1/2W 15K	1	
R6009		ERJ6GEYJ681	M.RESISTOR CH1/16W 680	1	
R6010,11		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R6012		ERJ6GEYJ562	M.RESISTOR CH1/16W 5.6K	1	
R6013		ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	1	
R6014		ERJ6GEYJ564	M.RESISTOR CH1/16W 560K	1	
R6015		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6016		ERJ6GEYJ564	M.RESISTOR CH1/16W 560K	1	
R6017		ERJ6GEYJ683	M.RESISTOR CH1/16W 68K	1	
R6018		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R6019,20		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R6021		ERJ6GEYJ683	M.RESISTOR CH1/16W 68K	1	
R6022		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6023		ERJ6GEYJ563	M.RESISTOR CH1/16W 56K	1	
R6024		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R6025		ERJ6GEYJ564	M.RESISTOR CH1/16W 560K	1	
R6026,27		ERJ6GEYJ563	M.RESISTOR CH1/16W 56K	2	
R6028		ERJ6GEYJ273	M.RESISTOR CH1/16W 27K	1	
R6029		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R6030		ERJ6GEYJ564	M.RESISTOR CH1/16W 560K	1	
R6031		ERJ6GEYJ273	M.RESISTOR CH1/16W 27K	1	
R6032		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6033		ERJ6GEYJ563	M.RESISTOR CH1/16W 56K	1	
R6034		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R6035		ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R6036		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6037		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6038		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6039		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6040		ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R6041		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6042		ERJ6GEYJ682	M.RESISTOR CH1/16W 6.8K	1	
R6043,44		ERJ6GEYJ821	M.RESISTOR CH1/16W 820	2	
R6045		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6046		ERJ6GEYJ183	M.RESISTOR CH1/16W 18K	1	
R6047		ERJ6GEYJ272	M.RESISTOR CH1/16W 2.7K	1	
R6048,49		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R6050		ERJ6GEYJ272	M.RESISTOR CH1/16W 2.7K	1	
R6051		ERJ6GEYJ183	M.RESISTOR CH1/16W 18K	1	
R6052		ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R6053		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R6054		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6055-58		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	4	
R6060		ERJ6GEYJ181	M.RESISTOR CH1/16W 180	1	
R6061		ERD2FCVG220	C.RESISTOR 2W 22	1	
R6062		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R6063		ERJ6GEYJ392	M.RESISTOR CH1/16W 3.9K	1	
R6064		ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	1	
R6065,66		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	2	
R6067-73		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	7	
R6074,75		ERJ6GEYJ682	M.RESISTOR CH1/16W 6.8K	2	
R6076		ERJ6GEYJ562	M.RESISTOR CH1/16W 5.6K	1	
R6077		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R6078		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6079		ERJ6GEYJ681	M.RESISTOR CH1/16W 680	1	
R6080		ERDS2TJ151	C.RESISTOR 1/4W 150	1	
R6081		ERJ6GEYJ683	M.RESISTOR CH1/16W 68K	1	
R6082,83		ERG1SJ300	M.RESISTOR 1W 30	2	
R6084		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6085		ERJ6GEYJ682	M.RESISTOR CH1/16W 6.8K	1	
R6086,87		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	2	
R6088		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R6089		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R6090		ERDS1TJ2R2	C.RESISTOR 1/2W 2.2	1	
R6091,92		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R6093		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6094		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R6095-98		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	4	
R6099		ERDS2TJ333	C.RESISTOR 1/4W 33K	1	
R6100		ERJ6GEYJ183	M.RESISTOR CH1/16W 18K	1	
R6101		ERJ6GEYJ474	M.RESISTOR CH1/16W 470K	1	
R6102		ERJ6GEYJ121	M.RESISTOR CH1/16W 120	1	
R6103		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6104,05		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	2	
R6106		ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R6109		ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R6110		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6114		ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R6115		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6116		ERJ6GEYJ823	M.RESISTOR CH1/16W 82K	1	
R6117		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R6118		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6119-27		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	9	
R6131		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6132		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R6133		ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R6134		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R6135		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6136		ERJ6GEYJ101	M.RESISTOR CH1/16W 100	1	
R6137		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6138		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R6139		ERJ6GEYJ101	M.RESISTOR CH1/16W 100	1	
R6140		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R6141		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R6144		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6151		ERJ6GEYJ330	M.RESISTOR CH1/16W 33	1	
SW6001		VSS0240	SWITCH	1	<R>
T6001		EIQ7QF002B	TRANSFORMER	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
VR2001		EVMF6SA00B15	V.RESISTOR 100K	1	
VR2003		EVMF6SA00B15	V.RESISTOR 100K	1	
VR2201		EVMF6SA00B54	V.RESISTOR 50K	1	
VR2202		EVMF6SA00B15	V.RESISTOR 100K	1	
VR2203		EVMF6SA00B54	V.RESISTOR 50K	1	
VR2204-06		EVMF6SA00B15	V.RESISTOR 100K	3	
VR2207		EVMF6SA00B54	V.RESISTOR 50K	1	
VR2208		EVMF6SA00B23	V.RESISTOR 2K	1	
X1901		VSX0136	CRYSTAL OSCILLATOR	1	
X2001		VSX0296	CRYSTAL OSCILLATOR	1	
X2002		VSX0086	CRYSTAL OSCILLATOR	1	
X6001		VSX0230	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VMC0075	HEAT SINK ANGLE	1	
		VMX0985	SPACER	2	
		VMZ0960	HEAT SINK BARRIER	1	
		VSC1068	HEAT SINK	1	
		VSC1689	HEAT SINK	1	
		VSC2761	SHIELD CASE (TOP)	1	
		VSC2763	SHIELD CASE (BOTTOM)	1	
		VSC3427	SHIELD CASE (MAIN)	1	
		XTV3+8F	SCREW	1	
		VKC0271	HINGE CLIP	2	
	■	VEP06848D	P.C.BOARD W/COMPONENT		FOR AG-7355E/B
			SERVO & SYSTEM CONTROL		
BAT6001		VSB0173	BATTRY	1	
C1901,02		ECEA1EU331	E.CAPACITOR 25V 330U	2	
C1903		ECEA1VKA470	E.CAPACITOR 35V 47U	1	
C1904		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C1905		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C1906		ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C1907		ECUM1H271KBN	C.CAPACITOR CH 50V 270P	1	
C1908-10		ECEA1HKA010	E.CAPACITOR 50V 1U	3	
C1911		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C1912,13		ECEA1EU221	E.CAPACITOR 25V 220U	2	
C1914		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C1915		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C2001		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2002		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2003		ECQB1H683JF	P.CAPACITOR 50V 0.068U	1	
C2004		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C2005,06		ECEA1CKA470	E.CAPACITOR 16V 47U	2	
C2007		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2008		ECQB1H332JF	P.CAPACITOR 50V 3300P	1	
C2009		ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C2010		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2011		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C2013		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C2015,16		ECEA1CKA100	E.CAPACITOR 16V 10U	2	
C2017		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2018		ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C2019		ECEA1CKA100	E.CAPACITOR 16V 10U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C2020		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2022,23		ECQV1H564JZ	P.CAPACITOR 50V 0.56U	2	
C2027		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C2028		ECQB1H333JF	P.CAPACITOR 50V 0.033U	1	
C2029		ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C2030		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2031		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C2032		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C2033		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2034		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2035		ECEA1HKAR22	E.CAPACITOR 50V 0.22U	1	
C2036		ECQB1H222JF	P.CAPACITOR 50V 2200P	1	
C2037,38		ECEA1CKA100	E.CAPACITOR 16V 10U	2	
C2039		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C2040,41		ECEA1CKA330	E.CAPACITOR 16V 33U	2	
C2042		ECEA10Z47	E.CAPACITOR 10V	1	
C2043,44		ECEA1HKA3R3	E.CAPACITOR 50V 3.3U	2	
C2045,46		ECQB1H472JF	P.CAPACITOR 50V 4700P	2	
C2047		ECQB1H223JF	P.CAPACITOR 50V 0.022U	1	
C2048		ECEA1HKA3R3	E.CAPACITOR 50V 3.3U	1	
C2049		ECUM1H123KBN	C.CAPACITOR CH 50V 0.012U	1	
C2050		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C2051		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2052		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2053		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C2054		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2055		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C2056		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2057,58		ECUM1H271KBN	C.CAPACITOR CH 50V 270P	2	
C2059		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2060		ECEA1EU101	E.CAPACITOR 25V 100U	1	
C2061		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C2062-64		ECEA1HKA0R1	E.CAPACITOR 50V 0.1U	3	
C2065		ECQB1H683JF	P.CAPACITOR 50V 0.068U	1	
C2066-68		ECEA1EKN4R7	E.CAPACITOR 25V 4.7U	3	
C2069		ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C2070		ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C2071		ECEA1EU101	E.CAPACITOR 25V 100U	1	
C2072		ECQB1H333JF	P.CAPACITOR 50V 0.033U	1	
C2073		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C2074-76		ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	3	
C2077-79		ECQB1H332JF	P.CAPACITOR 50V 3300P	3	
C2080-82		ECQB1H333JF	P.CAPACITOR 50V 0.033U	3	
C2083		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C2084		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2085,86		ECEA1EU101	E.CAPACITOR 25V 100U	2	
C2087		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2088		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C2089		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2090		ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	1	
C2091		ECQV1H474JZ	P.CAPACITOR 50V 0.47U	1	
C2092		ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C2093		ECEA1CKA330	E.CAPACITOR 16V 33U	1	
C2094,95		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C2096,97		ECUM1H271KBN	C.CAPACITOR CH 50V 270P	2	
C2098,99		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C2100		ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	1	
C2101-05		ECUM1H271KBN	C.CAPACITOR CH 50V 270P	5	
C2106		ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	1	
C2107		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C2108,09		ECQB1H104JF	P.CAPACITOR 50V 0.1U	2	
C2110		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C2111		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C2113		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2114		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2115		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C2116,17		ECUM1H561JCN	C.CAPACITOR CH 50V 560P	2	
C2118		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C2121		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C2122		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2124-26		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C2127		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2128,29		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C2130-32		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C2150		ECKF1H561KB	C.CAPACITOR 50V 560P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C6001		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6002		ECUM1H182KBN	C.CAPACITOR CH 50V 1800P	1	
C6003		ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C6004-06		ECQB1H104JF	P.CAPACITOR 50V 0.1U	3	
C6007		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C6008		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6009		ECEA1CU102B	E.CAPACITOR 16V 1000U	1	
C6010		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6011		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C6012		ECEA1CU102	E.CAPACITOR 16V 1000U	1	
C6014		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C6015		ECEA1EKA470	E.CAPACITOR 25V 47U	1	
C6016,17		ECQB1H104JF	P.CAPACITOR 50V 0.1U	2	
C6018		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C6019		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C6020		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C6021		ECEA1CN101	E.CAPACITOR 16V 100U	1	
C6022		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C6023		ECQV1H224JZ	P.CAPACITOR 50V 0.22U	1	
C6024		ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C6025,26		ECEA1ASS332	E.CAPACITOR 10V 3300U	2	
C6027		ECQV1H224JZ	P.CAPACITOR 50V 0.22U	1	
C6028		ECQB1H333JF	P.CAPACITOR 50V 0.033U	1	
C6029		ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C6030		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C6031		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6032		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C6033,34		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C6035,36		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C6037,38		ECEA1CKA470	E.CAPACITOR 16V 47U	2	
C6039		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6040		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C6041		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6043		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C6044-46		ECUM1H271KBN	C.CAPACITOR CH 50V 270P	3	
C6048		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C6049,50		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C6051		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C6052		ECUM1H272KBN	C.CAPACITOR CH 50V 2700P	1	
C6053		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6054		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C6056		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6057		ECEA1ASS332	E.CAPACITOR 10V 3300U	1	
C6059,60		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
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D2005		MA723VT	DIODE	1	<R>
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D2013		MA4130L	DIODE	1	<R>
D2014		MA151WA	DIODE	1	<R>
D2015,16		MA151K	DIODE	2	<R>
D2018-20		11EQS04	DIODE	3	<R>
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D6006		MA151WA	DIODE	1	<R>
D6007,08		MA151K	DIODE	2	<R>
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D6010-12		MA151K	DIODE	3	<R>
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Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
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IC2003		AN3726K	IC	1	<R>
IC2005		NJM2233BMA	IC	1	<R>
IC2008		LM358PS	IC	1	<R>
IC2009		BA6435S	IC	1	<R>
IC2010		MN1280R	IC	1	<R>
IC2011		AN78L05	IC	1	<R>
IC2012		AN3815K	IC	1	<R>
IC2013		LM393PS	IC	1	<R>
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IC2016,17		LM393PS	IC	2	<R>
IC2018,19		TC7S02F	IC	2	<R>
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IC6001		MC14093BF	IC	1	<R>
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IC6003		LM339NS	IC	1	<R>
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J2004-08		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	5	
J2010		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
J2012		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
J6003,04		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
L1901,02		ELC10E014	COIL	2	
L1903		VLQ0460	COIL	1	
L2001		VLQ0460	COIL	1	
L2002		VLQEL05K102J	COIL	1	
L2003-05		VLQ0460	COIL	3	
L2006-10		VLQEL05K221J	COIL	5	
L2011		VLQEL05K470J	COIL	1	
L2012-14		VLQ0460	COIL	3	
L6001		VLQEL05K471J	COIL	1	
L6002		VLQEL05K150J	COIL	1	
L6003-06		VLQEL05K221J	COIL	4	
L6007		VLQ0460	COIL	1	
P2001		VJP1230T	CONNECTOR (MALE)	1	
P2002		VJP1236T	CONNECTOR (MALE)	1	
P2003		VJP3078	CONNECTOR (MALE)	1	
P2004		VJP3083	CONNECTOR (MALE)	1	
P2201,02		VJR0477	CONNECTOR	2	
P6001-03		VJS2123	CONNECTOR (FEMALE)	3	
P6004		VJP3078	CONNECTOR (MALE)	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
P6005		VJP3079	CONNECTOR (MALE)	1	
P6006		VJP1232T	CONNECTOR (MALE)	1	
P6007		VJS2650A004Z	CONNECTOR (FEMALE)	1	
P6008		VJP1235T	CONNECTOR (MALE)	1	
P6009		VJP3079	CONNECTOR (MALE)	1	
P6010		VJP1230G	CONNECTOR (MALE)	1	
P6011		VJP3078	CONNECTOR (MALE)	1	
P6012		VJP3080	CONNECTOR (MALE)	1	
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Q2001		2SD1275	TRANSISTOR	1	<R>
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Q2006-08		MSD601-R	TRANSISTOR	3	<R>
Q2010,11		MSD601-R	TRANSISTOR	2	<R>
Q6001		2SD638	TRANSISTOR	1	<R>
Q6002		MSB710-R	TRANSISTOR	1	<R>
Q6003,04		2SB819	TRANSISTOR	2	<R>
Q6005,06		MSD601-R	TRANSISTOR	2	<R>
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Q6013		2SB819	TRANSISTOR	1	<R>
Q6014,15		MSD601-R	TRANSISTOR	2	<R>
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R1901		ERQ12HJ3R9	F.RESISTOR 1/2W 3.9	1	
R1902		ERJ6GEYJ681	M.RESISTOR CH1/16W 680	1	
R1903		ERJ6GEYJ563	M.RESISTOR CH1/16W 56K	1	
R1904,05		ERJ6GEYJ154	M.RESISTOR CH1/16W 150K	2	
R1906		ERX12SJR82	M.RESISTOR 1/2W 0.82	1	
R1907		ERJ6GEYJ391	M.RESISTOR CH1/16W 390	1	
R1908		ERJ6GEYJ182	M.RESISTOR CH1/16W 1.8K	1	
R1909		ERX12SJR82	M.RESISTOR 1/2W 0.82	1	
R1910		ERJ6GEYJ391	M.RESISTOR CH1/16W 390	1	
R1911		ERJ6GEYJ182	M.RESISTOR CH1/16W 1.8K	1	
R2001		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R2002		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R2003		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R2004		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R2005		ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R2006		ERJ6GEYJ154	M.RESISTOR CH1/16W 150K	1	
R2007		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R2008		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2013-15		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	3	
R2016		ERJ6GEYJ272	M.RESISTOR CH1/16W 2.7K	1	
R2017,18		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	2	
R2019		ERJ6GEYJ224	M.RESISTOR CH1/16W 220K	1	
R2020		ERJ6GEYJ392	M.RESISTOR CH1/16W 3.9K	1	
R2021		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2022		ERJ6GEYJ224	M.RESISTOR CH1/16W 220K	1	
R2024		ERJ6GEYJ392	M.RESISTOR CH1/16W 3.9K	1	
R2025,26		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R2027		ERJ6GEYJ821	M.RESISTOR CH1/16W 820	1	
R2029		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2030		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R2031		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R2032		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R2033		ERJ6GEYG103	M.RESISTOR CH1/16W 10K	1	
R2034		ERJ6GEYG241	M.RESISTOR CH1/16W 240	1	
R2035		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2036		ERJ6GEYJ182	M.RESISTOR CH1/16W 1.8K	1	
R2037		ERJ6GEYJ822	M.RESISTOR CH1/16W 8.2K	1	
R2038		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R2039		ERJ6GEYJ474	M.RESISTOR CH1/16W 470K	1	
R2040		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R2041		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R2042		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2043		ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R2044,45		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	2	
R2046,47		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	2	
R2048		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R2049		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R2050		ERJ6GEYJ474	M.RESISTOR CH1/16W 470K	1	
R2051		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R2054		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2056		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R2057		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R2058		ERJ6GEYJ151	M.RESISTOR CH1/16W 150	1	
R2059		ERJ6GEYJ821	M.RESISTOR CH1/16W 820	1	
R2060		ERJ6GEYJ822	M.RESISTOR CH1/16W 8.2K	1	
R2061,62		ERJ6GEYJ392	M.RESISTOR CH1/16W 3.9K	2	
R2063		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R2064		ERJ6GEYJ683	M.RESISTOR CH1/16W 68K	1	
R2065		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2066		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R2067		ERJ6GEYJ122	M.RESISTOR CH1/16W 1.2K	1	
R2068		ERJ6GEYJ681	M.RESISTOR CH1/16W 680	1	
R2069		ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	1	
R2070		ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	1	
R2071,72		ERJ6GEYJ562	M.RESISTOR CH1/16W 5.6K	2	
R2073		ERJ6GEYJ563	M.RESISTOR CH1/16W 56K	1	
R2088		ERX12SJR68	M.RESISTOR 1/2W 0.68	1	
R2089		ERJ6GEYG752	M.RESISTOR CH1/16W 7.5K	1	
R2090		ERJ6GEYJ561	M.RESISTOR CH1/16W 560	1	
R2093		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R2094,95		ERJ6GEYJ330	M.RESISTOR CH1/16W 33	2	
R2096		ERX12SJR56P	M.RESISTOR 1/2W 0.56	1	
R2097		ERJ6GEYJ330	M.RESISTOR CH1/16W 33	1	
R2098		ERJ6GEYJ680	M.RESISTOR CH1/16W 68	1	
R2099-01		ERDS2TJ150	C.RESISTOR 1/4W 15	3	
R2102,03		ERJ6GEYJ273	M.RESISTOR CH1/16W 27K	2	
R2104		ERJ6GEYJ122	M.RESISTOR CH1/16W 1.2K	1	
R2105		ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	1	
R2106		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2107		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R2108,09		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R2110		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R2112		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2113		ERJ6GEYJ821	M.RESISTOR CH1/16W 820	1	
R2116		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R2119		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2120		ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R2121		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R2122		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R2123		ERJ6GEYJ124	M.RESISTOR CH1/16W 120K	1	
R2125		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R2127		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R2128-30		ERJ6GEYG223	M.RESISTOR CH1/16W 22K	3	
R2131		ERJ6GEYG303	M.RESISTOR CH1/16W 30K	1	
R2132		ERJ6GEYG224	M.RESISTOR CH1/16W 220K	1	
R2133		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2134,35		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	2	
R2136		ERJ6GEYJ821	M.RESISTOR CH1/16W 820	1	
R2137		ERJ6GEYJ273	M.RESISTOR CH1/16W 27K	1	
R2138		ERJ6GEYJ124	M.RESISTOR CH1/16W 120K	1	
R2139		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2140		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R2141		ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R2142		ERJ6GEYJ474	M.RESISTOR CH1/16W 470K	1	
R2143,44		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	2	
R2145-47		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	3	
R2148,49		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	2	
R2151		ERJ6GEYJ330	M.RESISTOR CH1/16W 33	1	
R2152		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R2153		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R2154		ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	1	
R2155		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R6001		ERDS2TJ391	C.RESISTOR 1/4W 390	1	
R6004		ERJ6GEYJ681	M.RESISTOR CH1/16W 680	1	
R6005		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R6006		ERJ6GEYJ564	M.RESISTOR CH1/16W 560K	1	
R6007		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6008		ERDS1TJ153	C.RESISTOR 1/2W 15K	1	
R6009		ERJ6GEYJ681	M.RESISTOR CH1/16W 680	1	
R6010,11		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R6012		ERJ6GEYJ562	M.RESISTOR CH1/16W 5.6K	1	
R6013		ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	1	
R6014		ERJ6GEYJ564	M.RESISTOR CH1/16W 560K	1	
R6015		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6016		ERJ6GEYJ564	M.RESISTOR CH1/16W 560K	1	
R6017		ERJ6GEYJ683	M.RESISTOR CH1/16W 68K	1	
R6018		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R6019,20		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R6021		ERJ6GEYJ683	M.RESISTOR CH1/16W 68K	1	
R6022		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6023		ERJ6GEYJ563	M.RESISTOR CH1/16W 56K	1	
R6024		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R6025		ERJ6GEYJ564	M.RESISTOR CH1/16W 560K	1	
R6026,27		ERJ6GEYJ563	M.RESISTOR CH1/16W 56K	2	
R6028		ERJ6GEYJ273	M.RESISTOR CH1/16W 27K	1	
R6029		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R6030		ERJ6GEYJ564	M.RESISTOR CH1/16W 560K	1	
R6031		ERJ6GEYJ273	M.RESISTOR CH1/16W 27K	1	
R6032		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6033		ERJ6GEYJ563	M.RESISTOR CH1/16W 56K	1	
R6034		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R6035		ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R6036		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6037		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6038		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6039		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6040		ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	1	
R6041		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6042		ERJ6GEYJ682	M.RESISTOR CH1/16W 6.8K	1	
R6043,44		ERJ6GEYJ821	M.RESISTOR CH1/16W 820	2	
R6045		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6046		ERJ6GEYJ183	M.RESISTOR CH1/16W 18K	1	
R6047		ERJ6GEYJ272	M.RESISTOR CH1/16W 2.7K	1	
R6048,49		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R6050		ERJ6GEYJ272	M.RESISTOR CH1/16W 2.7K	1	
R6051		ERJ6GEYJ183	M.RESISTOR CH1/16W 18K	1	
R6052		ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R6053		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R6054		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6055-58		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	4	
R6060		ERJ6GEYJ181	M.RESISTOR CH1/16W 180	1	
R6061		ERD2FCVG220	C.RESISTOR 2W 22	1	
R6062		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R6063		ERJ6GEYJ392	M.RESISTOR CH1/16W 3.9K	1	
R6064		ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	1	
R6065,66		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	2	
R6067-73		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	7	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R6074,75		ERJ6GEYJ682	M.RESISTOR CH1/16W 6.8K	2	
R6076		ERJ6GEYJ562	M.RESISTOR CH1/16W 5.6K	1	
R6077		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R6078		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6079		ERJ6GEYJ681	M.RESISTOR CH1/16W 680	1	
R6080		ERDS2TJ151	C.RESISTOR 1/4W 150	1	
R6081		ERJ6GEYJ683	M.RESISTOR CH1/16W 68K	1	
R6082,83		ERG1SJ300	M.RESISTOR 1W 30	2	
R6084		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6085		ERJ6GEYJ682	M.RESISTOR CH1/16W 6.8K	1	
R6086,87		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	2	
R6088		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R6089		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R6090		ERDS1TJ2R2	C.RESISTOR 1/2W 2.2	1	
R6091,92		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R6093		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6094		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R6095-98		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	4	
R6099		ERDS2TJ333	C.RESISTOR 1/4W 33K	1	
R6100		ERJ6GEYJ183	M.RESISTOR CH1/16W 18K	1	
R6101		ERJ6GEYJ474	M.RESISTOR CH1/16W 470K	1	
R6102		ERJ6GEYJ121	M.RESISTOR CH1/16W 120	1	
R6103		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6104,05		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	2	
R6106		ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R6109		ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R6110		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6114		ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R6115		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6116		ERJ6GEYJ823	M.RESISTOR CH1/16W 82K	1	
R6117		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R6118		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6119-27		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	9	
R6131		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6132		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R6133		ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R6134		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R6135		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6136		ERJ6GEYJ101	M.RESISTOR CH1/16W 100	1	
R6137		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6138		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R6139		ERJ6GEYJ101	M.RESISTOR CH1/16W 100	1	
R6140		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R6141		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R6144		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6151		ERJ6GEYJ330	M.RESISTOR CH1/16W 33	1	
SW6001		VSS0240	SWITCH	1	<R>
T6001		EIQ7QF002B	TRANSFORMER	1	
VR2001		EVMF6SA00B15	V.RESISTOR 100K	1	
VR2003		EVMF6SA00B15	V.RESISTOR 100K	1	
VR2201		EVMF6SA00B54	V.RESISTOR 50K	1	
VR2202		EVMF6SA00B15	V.RESISTOR 100K	1	
VR2203		EVMF6SA00B54	V.RESISTOR 50K	1	
VR2204-06		EVMF6SA00B15	V.RESISTOR 100K	3	
VR2207		EVMF6SA00B54	V.RESISTOR 50K	1	
VR2208		EVMF6SA00B23	V.RESISTOR 2K	1	
X1901		VSX0136	CRYSTAL OSCILLATOR	1	
X2001		VSX0296	CRYSTAL OSCILLATOR	1	
X2002		VSX0086	CRYSTAL OSCILLATOR	1	
X6001		VSX0230	CRYSTAL OSCILLATOR	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			MISCELLANEOUS		
		VMC0075	HEAT SINK ANGLE	1	
		VMX0985	SPACER	2	
		VMZ0960	HEAT SINK BARRIER	1	
		VSC1068	HEAT SINK	1	
		VSC1689	HEAT SINK	1	
		VSC2761	SHIELD CASE (TOP)	1	
		VSC2763	SHIELD CASE (BOTTOM)	1	
		VSC3427	SHIELD CASE (MAIN)	1	
		XTV3+8F	SCREW	1	
		VKC0271	HINGE CLIP	2	
	■	VEP06749J	P.C.BOARD W/COMPONENT		FOR AG-7350E/B
			FRONT		
C6201		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C6202		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C6203		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C6204		ECEA1HKSR22	E.CAPACITOR 50V 0.22U	1	
C6205		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C6206		ECUM1H080DCN	C.CAPACITOR CH 50V 8P	1	
C6207		ECEA0JU102	E.CAPACITOR 6.3V 1000U	1	
C6208		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C6209		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C6210		ECEA1HKS220	E.CAPACITOR 50V 22U	1	
C6211		ECEA1CKS330	E.CAPACITOR 16V 33U	1	
C6212		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C6213,14		ECEA0JKS101	E.CAPACITOR 6.3V 100U	2	
C6215		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C6216		ECEA1CKS330	E.CAPACITOR 16V 33U	1	
C6217		ECEA1HKS220	E.CAPACITOR 50V 22U	1	
D6201-05		LN440YCPUVT	DIODE	5	<R>
D6206		MA151K	DIODE	1	<R>
D6207,08		LN31GCPHLG4	DIODE	2	<R>
D6209,10		LN440YCPUVT	DIODE	2	<R>
D6211		LN840RCP	DIODE	1	<R>
D6212-35		MA151K	DIODE	24	<R>
D6236,37		MA165VT	DIODE	2	<R>
D6238		MA4051-L	DIODE	1	<R>
D6239-41		MA151K	DIODE	3	<R>
D6243		MA151K	DIODE	1	<R>
D6244		LN440YCPUVT	DIODE	1	<R>
D6245-47		MA151K	DIODE	3	<R>
D6248		MA700A	DIODE	1	<R>
D6249		MA4300M	DIODE	1	<R>
D6250		MA165VT	DIODE	1	<R>
DP6201		VSL0254	DISPLAY TUBE	1	
IC6201		MN15283VSTL4	IC	1	<R>
IC6202		MN1220	IC	1	<R>
IC6203		MN1280R	IC	1	<R>
IC6204		MN1280L	IC	1	<R>
IC6205		AN78M05F	IC	1	<R>
L6201		VLQEL05K101J	COIL	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
P6201-04		VJP3152	CONNECTOR (MALE)	4	
P6205		VJP3078	CONNECTOR (MALE)	1	
P6206		VJP1231T	CONNECTOR (MALE)	1	
P6207		VJP1236T	CONNECTOR (MALE)	1	
P6208		VJP1247T	CONNECTOR (MALE)	1	
P6209		VJP3093	CONNECTOR (MALE)	1	
Q6201-04		2SB643	TRANSISTOR	4	<R>
Q6205-09		2SD636	TRANSISTOR	5	<R>
Q6210		2SB642	TRANSISTOR	1	<R>
QR6201-05		MRN1404	TRANSISTOR-RESISTOR	5	<R>
QR6206		UN1112	TRANSISTOR-RESISTOR	1	<R>
QR6207		MRN1404	TRANSISTOR-RESISTOR	1	<R>
R6201-05		ERDS2TJ470	C.RESISTOR 1/4W 47	5	
R6206		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R6207-11		ERDS2TJ470	C.RESISTOR 1/4W 47	5	
R6212-15		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	4	
R6216-19		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	4	
R6220-23		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	4	
R6224		ERJ6GEYJ224	M.RESISTOR CH1/16W 220K	1	
R6225		ERJ6GEYJ122	M.RESISTOR CH1/16W 1.2K	1	
R6226-33		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	8	
R6234		ERDS2TJ152	C.RESISTOR 1/4W 1.5K	1	
R6235		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R6236		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6237		ERDS2TJ223	C.RESISTOR 1/4W 22K	1	
R6238		ERDS2TJ470	C.RESISTOR 1/4W 47	1	
R6239		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R6240,41		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	2	
R6242		ERDS2TJ104	C.RESISTOR 1/4W 100K	1	
R6243		ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R6244		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R6245		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R6246		ERDS2TJ470	C.RESISTOR 1/4W 47	1	
R6247,48		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R6249		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R6250		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6251		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
RA6201-04		EXBF5E103J	COMBI.R-R	4	
RA6205		EXBF5E473J	COMBI.R-R	1	
SW6201-17		EVQQJ104K	SWITCH	17	<R>
SW6218,19		VSS0324	SWITCH	2	<R>
SW6220		VSS0225	SWITCH	1	<R>
SW6221		VSS0152	SWITCH	1	<R>
SW6222		VSS0225	SWITCH	1	<R>
SW6223		VSS0324	SWITCH	1	<R>
SW6224,25		VSS0225	SWITCH	2	<R>
SW6226		VSS0324	SWITCH	1	<R>
SW6227		VSS0225	SWITCH	1	<R>
X6201		VSX0094	CRYSTAL OSCILLATOR	1	
X6202		VSX0140	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VJF0960	DISPLAY TUBE HOLDER	1	
		VMX2062	LED SPACER	2	
	■	VEP06749K	P.C.BOARD W/COMPONENT FRONT		FOR AG-7150E/B
C6201		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C6202		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C6203		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C6204		ECEA1HKSR22	E.CAPACITOR 50V 0.22U	1	
C6205		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C6206		ECUM1H080DCN	C.CAPACITOR CH 50V 8P	1	
C6207		ECEA0JU102	E.CAPACITOR 6.3V 1000U	1	
C6208		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C6209		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C6210		ECEA1HKS220	E.CAPACITOR 50V 22U	1	
C6211		ECEA1CKS330	E.CAPACITOR 16V 33U	1	
C6212		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C6213,14		ECEA0JKS101	E.CAPACITOR 6.3V 100U	2	
C6215		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C6216		ECEA1CKS330	E.CAPACITOR 16V 33U	1	
C6217		ECEA1HKS220	E.CAPACITOR 50V 22U	1	
D6201-05		LN440YCPUVT	DIODE	5	<R>
D6206		MA151K	DIODE	1	<R>
D6207,08		LN31GCPHLG4	DIODE	2	<R>
D6209		LN440YCPUVT	DIODE	1	<R>
D6212-16		MA151K	DIODE	5	<R>
D6218-22		MA151K	DIODE	5	<R>
D6224-35		MA151K	DIODE	12	<R>
D6236,37		MA165VT	DIODE	2	<R>
D6238		MA4051-L	DIODE	1	<R>
D6239-41		MA151K	DIODE	3	<R>
D6244		LN440YCPUVT	DIODE	1	<R>
D6245-47		MA151K	DIODE	3	<R>
D6248		MA700A	DIODE	1	<R>
D6249		MA4300M	DIODE	1	<R>
D6250		MA165VT	DIODE	1	<R>
DP6201		VSL0254	DISPLAY TUBE	1	
IC6201		MN15283VSTL4	IC	1	<R>
IC6202		MN1220	IC	1	<R>
IC6203		MN1280R	IC	1	<R>
IC6204		MN1280L	IC	1	<R>
IC6205		AN78M05F	IC	1	<R>
J6203,04		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
L6201		VLQEL05K101J	COIL	1	
P6201-04		VJP3152	CONNECTOR (MALE)	4	
P6205		VJP3078	CONNECTOR (MALE)	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
P6206		VJP1231T	CONNECTOR (MALE)	1	
P6207		VJP1236T	CONNECTOR (MALE)	1	
P6208		VJP1247T	CONNECTOR (MALE)	1	
Q6201-04		2SB643	TRANSISTOR	4	<R>
Q6205-09		2SD636	TRANSISTOR	5	<R>
Q6210		2SB642	TRANSISTOR	1	<R>
QR6201-05		MRN1404	TRANSISTOR-RESISTOR	5	<R>
QR6206		UN1112	TRANSISTOR-RESISTOR	1	<R>
QR6207		MRN1404	TRANSISTOR-RESISTOR	1	<R>
R6201-05		ERDS2TJ470	C.RESISTOR 1/4W 47	5	
R6206		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R6207-09		ERDS2TJ470	C.RESISTOR 1/4W 47	3	
R6212-15		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	4	
R6216-19		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	4	
R6220-23		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	4	
R6224		ERJ6GEYJ224	M.RESISTOR CH1/16W 220K	1	
R6225		ERJ6GEYJ122	M.RESISTOR CH1/16W 1.2K	1	
R6226-33		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	8	
R6234		ERDS2TJ152	C.RESISTOR 1/4W 1.5K	1	
R6235		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R6236		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6237		ERDS2TJ223	C.RESISTOR 1/4W 22K	1	
R6238		ERDS2TJ470	C.RESISTOR 1/4W 47	1	
R6239		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R6240,41		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	2	
R6242		ERDS2TJ104	C.RESISTOR 1/4W 100K	1	
R6243		ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R6245		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R6246		ERDS2TJ470	C.RESISTOR 1/4W 47	1	
R6247,48		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R6249		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R6250		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6251		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
RA6201-04		EXBF5E103J	COMBI.R-R	4	
RA6205		EXBF5E473J	COMBI.R-R	1	
SW6201		EVQQJ104K	SWITCH	1	<R>
SW6203-07		EVQQJ104K	SWITCH	5	<R>
SW6209-17		EVQQJ104K	SWITCH	9	<R>
SW6218		VSS0225	SWITCH	1	<R>
SW6220		VSS0225	SWITCH	1	<R>
SW6221		VSS0152	SWITCH	1	<R>
SW6222		VSS0225	SWITCH	1	<R>
SW6223		VSS0324	SWITCH	1	<R>
SW6224		VSS0225	SWITCH	1	<R>
SW6226		VSS0225	SWITCH	1	<R>
X6201		VSX0094	CRYSTAL OSCILLATOR	1	
X6202		VSX0140	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VJF0960	DISPLAY TUBE HOLER	1	
		VMX2062	LED SPACER	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
	■	VEP06749L	P.C.BOARD W/COMPONENT FRONT		FOR AG-7355E/B
C6201		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C6202		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C6203		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C6204		ECEA1HKSR22	E.CAPACITOR 50V 0.22U	1	
C6205		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C6206		ECUM1H080DCN	C.CAPACITOR CH 50V 8P	1	
C6207		ECEA0JU102	E.CAPACITOR 6.3V 1000U	1	
C6208		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C6209		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C6210		ECEA1HKS220	E.CAPACITOR 50V 22U	1	
C6211		ECEA1CKS330	E.CAPACITOR 16V 33U	1	
C6212		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C6213,14		ECEA0JKS101	E.CAPACITOR 6.3V 100U	2	
C6215		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C6216		ECEA1CKS330	E.CAPACITOR 16V 33U	1	
C6217		ECEA1HKS220	E.CAPACITOR 50V 22U	1	
D6201-05		LN440YCPUVT	DIODE	5	<R>
D6206		MA151K	DIODE	1	<R>
D6207,08		LN31GCPHLG4	DIODE	2	<R>
D6209,10		LN440YCPUVT	DIODE	2	<R>
D6211		LN840RCP	DIODE	1	<R>
D6212-32		MA151K	DIODE	21	<R>
D6234,35		MA151K	DIODE	2	<R>
D6236,37		MA165VT	DIODE	2	<R>
D6238		MA4051-L	DIODE	1	<R>
D6239-41		MA151K	DIODE	3	<R>
D6242		MA165VT	DIODE	1	<R>
D6244		LN440YCPUVT	DIODE	1	<R>
D6245-47		MA151K	DIODE	3	<R>
D6248		MA700A	DIODE	1	<R>
D6249		MA4300M	DIODE	1	<R>
D6250		MA165VT	DIODE	1	<R>
DP6201		VSL0254	DISPLAY TUBE	1	
IC6201		MN15283VST14	IC	1	<R>
IC6202		MN1220	IC	1	<R>
IC6203		MN1280R	IC	1	<R>
IC6204		MN1280L	IC	1	<R>
IC6205		AN78M05F	IC	1	<R>
L6201		VLQEL05K101J	COIL	1	
P6201-04		VJP3152	CONNECTOR (MALE)	4	
P6205		VJP3078	CONNECTOR (MALE)	1	
P6206		VJP1231T	CONNECTOR (MALE)	1	
P6207		VJP1236T	CONNECTOR (MALE)	1	
P6208		VJP1247T	CONNECTOR (MALE)	1	
P6209		VJP3093	CONNECTOR (MALE)	1	
Q6201-04		2SB643	TRANSISTOR	4	<R>
Q6205-09		2SD636	TRANSISTOR	5	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
Q6210		2SB642	TRANSISTOR	1	<R>
QR6201-05		MRN1404	TRANSISTOR-RESISTOR	5	<R>
QR6206		UN1112	TRANSISTOR-RESISTOR	1	<R>
QR6207		MRN1404	TRANSISTOR-RESISTOR	1	<R>
R6201-05		ERDS2TJ470	C.RESISTOR 1/4W 47	5	
R6206		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R6207-11		ERDS2TJ470	C.RESISTOR 1/4W 47	5	
R6212-15		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	4	
R6216-19		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	4	
R6220-23		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	4	
R6224		ERJ6GEYJ224	M.RESISTOR CH1/16W 220K	1	
R6225		ERJ6GEYJ122	M.RESISTOR CH1/16W 1.2K	1	
R6226-33		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	8	
R6234		ERDS2TJ152	C.RESISTOR 1/4W 1.5K	1	
R6235		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R6236		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6237		ERDS2TJ223	C.RESISTOR 1/4W 22K	1	
R6238		ERDS2TJ470	C.RESISTOR 1/4W 47	1	
R6239		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R6240,41		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	2	
R6242		ERDS2TJ104	C.RESISTOR 1/4W 100K	1	
R6243		ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R6245		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R6246		ERDS2TJ470	C.RESISTOR 1/4W 47	1	
R6247,48		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R6249		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R6250		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6251		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
RA6201-04		EXBF5E103J	COMBI.R-R	4	
RA6205		EXBF5E473J	COMBI.R-R	1	
SW6201-17		EVQQJ104K	SWITCH	17	<R>
SW6219		VSS0324	SWITCH	1	<R>
SW6220		VSS0225	SWITCH	1	<R>
SW6221		VSS0152	SWITCH	1	<R>
SW6222		VSS0225	SWITCH	1	<R>
SW6223		VSS0324	SWITCH	1	<R>
SW6224,25		VSS0225	SWITCH	2	<R>
SW6227		VSS0225	SWITCH	1	<R>
X6201		VSX0094	CRYSTAL OSCILLATOR	1	
X6202		VSX0140	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VJF0960	DISPLAY TUBE HOLDER	1	
		VMX2062	VMX2062	2	
	■	VEP04344D	P.C.BOARD W/COMPONENT		FOR AG-7350E/B
			REAR JACK		

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C6901		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C6902		ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
J6901		VJS3155	CONNECTOR (FEMALE)	1	
J6902,03		VJS3154	CONNECTOR (FEMALE)	2	
J6904		VJS3155	CONNECTOR (FEMALE)	1	
J6905,06		VJS3154	CONNECTOR (FEMALE)	2	
J6907,08		VJJ0324	AUDIO JACK	2	
J6909-12		VJJ0323	AUDIO JACK	4	
P6901,02		VJP3152	CONNECTOR (MALE)	2	
P6903		ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
P6903		VJP3152	CONNECTOR (MALE)	1	
P6905		VJP1230T	CONNECTOR (MALE)	1	
R6901-04		ERDS2TJ750	C.RESISTOR 1/4W 75	4	
R6905,06		ERDS2TJ103	C.RESISTOR 1/4W 10K	2	
	■	VEP04344E	P.C.BOARD W/COMPONENT		FOR AG-7150E/B
			REAR JACK		
C6903		ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
J6903		VJS3154	CONNECTOR (FEMALE)	1	
J6904		VJS3155	CONNECTOR (FEMALE)	1	
J6905,06		VJS3154	CONNECTOR (FEMALE)	2	
J6909,10		VJJ0323	AUDIO JACK	2	
J6911,12		VJJ0322	MONITOR JACK	2	
P6901-03		VJP3152	CONNECTOR (MALE)	3	
P6905		VJP1230T	CONNECTOR (MALE)	1	
R6904		ERDS2TJ750	C.RESISTOR 1/4W 75	1	
R6906		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
	■	VEP04344F	P.C.BOARD W/COMPONENT		FOR AG-7355E/B
			REAR JACK		
C6901		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C6902,03		ECKF1H103ZF	C.CAPACITOR 50V 0.01U	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
J6901		VJS3155	CONNECTOR (FEMALE)	1	
J6902		VJS3154	CONNECTOR (FEMALE)	1	
J6904		VJS3155	CONNECTOR (FEMALE)	1	
J6905,06		VJS3154	CONNECTOR (FEMALE)	2	
J6907,08		VJJ0324	AUDIO JACK	2	
J6909,10		VJJ0323	AUDIO JACK	2	
J6912		VJJ0322	MONITOR JACK	1	
P6901-03		VJP3152	CONNECTOR (MALE)	3	
P6905		VJP1230T	CONNECTOR (MALE)	1	
R6901-03		ERDS2TJ750	C.RESISTOR 1/4W 75	3	
R6905,06		ERDS2TJ103	C.RESISTOR 1/4W 10K	2	
	■	VEP00R80B	P.C.BOARD W/COMPONENT		
			SEAVO TP		
P2203		VJP1236T	CONNECTOR (MALE) 9P	1	
P2205		VJP1230T	CONNECTOR (MALE) 3P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks

Order No. VSD9310S228 (for NTSC)
VSD9310S682 (for PAL)
D1,D2

Service Manual

Supplement

PAL/NTSC Video Product

Subject: Change of Connector

Please use this supplement together with the Service Manual as follows:

Model No.	Bulletin No.	Order No.	Effective from
AG-7355-P/RP	19	VSD9110M212	Running Change
AG-7350-P	45	VSD9106M207	Running Change
AG-7150-P	44	VSD9106M207	Running Change
AG-7355-E/B	18	VSD9110M616	Running Change
AG-7350/7150-E/B	31	VSD9109M615	Running Change
AG-6730/6040-P	20	VSD9206M222	Running Change
AG-6760-P	13	VSD9210M227	Running Change
AG-6730-E	12	VSD9212M628	Running Change
AG-6040-E	11	VSD9209M625	Running Change

Board : REAR JACK & FRONT C.B.A.

Reason for Change

☐ The following part(s) has(have) been changed for serviceability improvement.
■ The following part(s) has(have) been changed for productivity improvement.
☐ The following part(s) has(have) been changed for standardization purpose.
☐ The following part(s) has(have) been changed for the safety regulation.
☐

Interchangeability Code (I/C)

A	Original or new parts may be used in early or late production set. Use original parts until exhausted, then stock new parts.	B	Original parts may be used in early production sets only. New parts maybe used in early or late production sets. Use original parts possible then stock new parts.
C	New parts only may be used in early or late production sets.	D	Original parts may be used in early production sets only. New parts may be used in late production sets only. Stock both original and new parts.
E	Other		

Part Number

Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	I/C	Remark
P69O1-03	VJP3152	VJP3503	CONNECTOR	3	A	AG-7350 SERIES
P62O1-04	VJP3152	VJP3503	CONNECTOR	4	A	AG-7350 SERIES
P66O1-03	VJP3152	VJP3503	CONNECTOR	3	A	AG-6730 SERIES
P49O1-04	VJP3152	VJP3503	CONNECTOR	4	A	AG-6730 SERIES

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Order No. VSD9504S634

Service Manual

Supplement

Video Product

Subject: Change of IC

Please use this supplement together with the Service Manual as follows:

Model No.	Bulletin No.	Order No.	Effective from
AG-6730E	27	VSD9212M628	D5 - - -
AG-7150-E/B	46	VSD9109M615	D5 - - -
AG-7350-E/B	46	VSD9109M615	D5 - - -
AG-7355-E/B	30	VSD9110M616	D5 - - -
AG-5700-E/B	15	VSD9202M619	D5 - - -

The following IC for the video circuit has been changed for durability improvement.

Interchangeability Code (I/C)

A	Original or new parts may be used in early or late production set. Use original parts until exhausted, then stock new parts.	B	Original parts may be used in early production sets only. New part may be used in early or late production sets. Use original parts possible then stock new parts.
C	New parts only may be used in early or late production sets.	D	Original parts may be used in early production sets only. New parts may be used in late production sets only. Stock both original and new parts.
E	Other		

Part Number

Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	I/C	Remarks
IC3006	VEFH05BT	VCR0389	IC	1	C	Except AG-5700
IC3002	VEFH05BT	VCR0389	IC	1	C	Only AG-5700

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Order No. VSD9505S601

Service Manual

Supplement

Video Product

Subject: Y/C Timing Adjustment Range

Please use this supplement together with the Service Manual as follows:

Model No.	Bulletin No.	Order No.	Effective from
AG-7350-E/B	47	VSD9109M615	E5 - - -
AG-7355-E/B	31	VSD9110M616	E5 - - -
AG-7150-E/B	47	VSD9109M615	E5 - - -

Board : VIDEO 2

After completion of the Y/C timing adjustment (VR8007), the fine adjustment position of VR8007 drifted.
In order to prevent this symptom, coil L8010 has been added.
If the fine adjustment point of VR8007 drifts in a unit which has L8010, please remove L8010.

Interchangeability Code (I/C)

A	Original or new parts may be used in early or late production set. Use original parts until exhausted, then stock new parts.	B	Original parts may be used in early production sets only. New parts may be used in early or late production sets. Use original parts possible then stock new parts.
C	New parts only may be used in early or late production sets.	D	Original parts may be used in early production sets only. New parts may be used in late production sets only. Stock both original and new parts.
E	Other		

Part Number

Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	I/C	Remarks
L8010	- - - - -	VLQEL05S681J	COIL 680UH	1	E	

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Order No. VSD9508S601

Service Manual

Supplement

Video Product

Subject :Expansion of Tracking Meter Level Adjustment Range

Please use this supplement together with the Service Manual as follows :

Model No.	Bulletin No.	Order No.	Effective from
AG-7350-B/E	49	VSD9109M615	H5------
AG-7355-B/E	33	VSD9110M616	H5------

Board: Video 1

To widen the adjustment range of Tracking Meter Level, resistores R3126 and R3111 on the Video ! C.B.A. have been changed as shown below.

Interchangeability Code (I/C)

A	Original or new parts may be used in early or late production set. Use original parts until exhausted, then stock new parts.
B	Original parts may be used in early production sets only. New parts may be used in early or late production sets. Use original parts possible then stock new parts.
C	New parts only may be used in early or late production sets.
D	Original parts may be used in early production sets only. New parts may be used in late production sets only. Stock both original and new parts.
E	Others

Part Number

Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	I/C	Remarks
R3126	ERJ6GEYJ223	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	A	
R3111	ERJ6GEYJ153	ERJ6GEYJ103	M.RESISTOR CH 1/10W 13K	1	A	

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Order No. VSD9605S207
D2, D4

Service Manual

Supplement

NTSC / PAL Video Product

Subject : Change of HEAD AMP C.B.A.

Please use this supplement together with the Service Manual as follows :

Model No.	Bulletin No.	Order No.	Effective from
AG-MD830P	18	VSD9403M246	B5T
AG-MD830E	13	VSD9408M637	B5T
AG-7350-P	53	VSD9106M207	B5T
AG-7350RP	16	VSD9203M216	B5T
AG-7355-P	27	VSD9110M212	B5T
AG-7355RP	16	VSD9203M216	B5T
AG-7150-P	52	VSD9106M207	B5T
AG-7150-E/B	49	VSD9109M615	B5T
AG-7350-E/B	51	VSD9109M615	B5T
AG-7355-E/B	35	VSD9110M616	B5T
AG-6730P	35	VSD9206M222	B5T
AG-6730E	32	VSD9212M628	B5T
AG-6760P	24	VSD9210M227	B5T
AG-DS850P	77	VSD9403M244	B5T
AG-6045E	4	VSD9501M640	B5T

Board: HEAD AMP C.B.A.

The circuit board pattern has been changed for productivity, reliability and serviceability of the board.

Interchangeability Code (I/C)

A	Original or new parts may be used in early or late production set. Use original parts until exhausted, then stock new parts.
B	Original parts may be used in early production sets only. New parts may be used in early or late production sets. Use original parts possible then stock new parts.
C	New parts only may be used in early or late production sets.
D	Original parts may be used in early production sets only. New parts may be used in late production sets only. Stock both original and new parts.
E	Others

Part Number

Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	I/C	Remarks
R5040	ERDS2TJ151	ERDS2TJ221	C.RESISTOR 1/4W 220	1	D	AG-MD830P/E, 7350-P/RP/E/B, AG-7355-P/RP/E/B, 6760P
R5062	————	ERDS2TJ221	C.RESISTOR 1/4W 220	1	D	AG-MD830P/E, 7350-P/RP/E/B, AG-7355-P/RP/E/B, 6760P
R5070	ERDS2TJ472	————		0	E	AG-MD830P/E

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Part Number						
Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	I/C	Remarks
R5070	ERDS2TJ472	ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	D	AG-7350-P/RP/E/B,7355-P/RP/E/B
R5070	----------	ERJ6GEY0R00	M.RESISTOR CH 0	1	E	AG-6760P
R5041	ERJ6GEYJ180	ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	1	D	AG-7350-P/RP/E/B,7355-P/RP/E/B AG-6760P, AG-DS850P
R5060	----------	ERJ6GEY0R00	M.RESISTOR CH 0	1	E	AG-7350-P/RP/E/B,7355-P/RP/E/B AG-6730P/E, 6760P
R5061	ERJ6GEY0R00	----------		0	E	AG-6760P
Q5006	2SD1450	----------		0	E	AG-6760P, 6045E
IC5003	----------	2SD1450	TRANSISTOR	1	E	AG-6760P, 6045E
C5057	----------	ERJ6GEY0R00	M.RESISTOR CH 0	1	E	AG-6760P
C5060	----------	ERJ6GEY0R00	M.RESISTOR CH 0	1	E	AG-6760P
W5001	ERJ6GEY0R00	----------	M.RESISTOR CH 0	1	E	AG-6760P

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Order No. VSD9607S203
D1, D4

Service Manual

Supplement

NTSC / PAL **Video Product**

Subject : Improvement of Bias Oscillation Circuit

Please use this supplement together with the Service Manual as follows :

Model No.	Bulletin No.	Order No.	Effective from
AG-MD830P	19	VSD9403M246	F6-----
AG-7350P	61	VSD9106M207	F6-----
AG-7355P	35	VSD9110M212	F6-----
AG-MD830E/B	14	VSD9408M637	F6-----
AG-7350E/B	52	VSD9109M615	F6-----
AG-7355E/B	37	VSD9110M616	F6-----

Board : AUDIO

Symptom : Audio recording may not be performed correctly due to stopping of the bias oscillator.

Cause : Not enough ripple current.

Remedy : In order to improve this, capacitor (C4071) has been added as shown below.

Interchangeability Code (I/C)

A	Original or new parts may be used in early or late production set. Use original parts until exhausted, then stock new parts.
B	Original parts may be used in early production sets only. New parts may be used in early or late production sets. Use original parts possible then stock new parts.
C	New parts only may be used in early or late production sets.
D	Original parts may be used in early production sets only. New parts may be used in late production sets only. Stock both original and new parts.
E	Others

Part Number

Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	I/C	Remarks
C4071	-------	ECEA1CU470	E.CAPACITOR 6.2V 47U	1	C	

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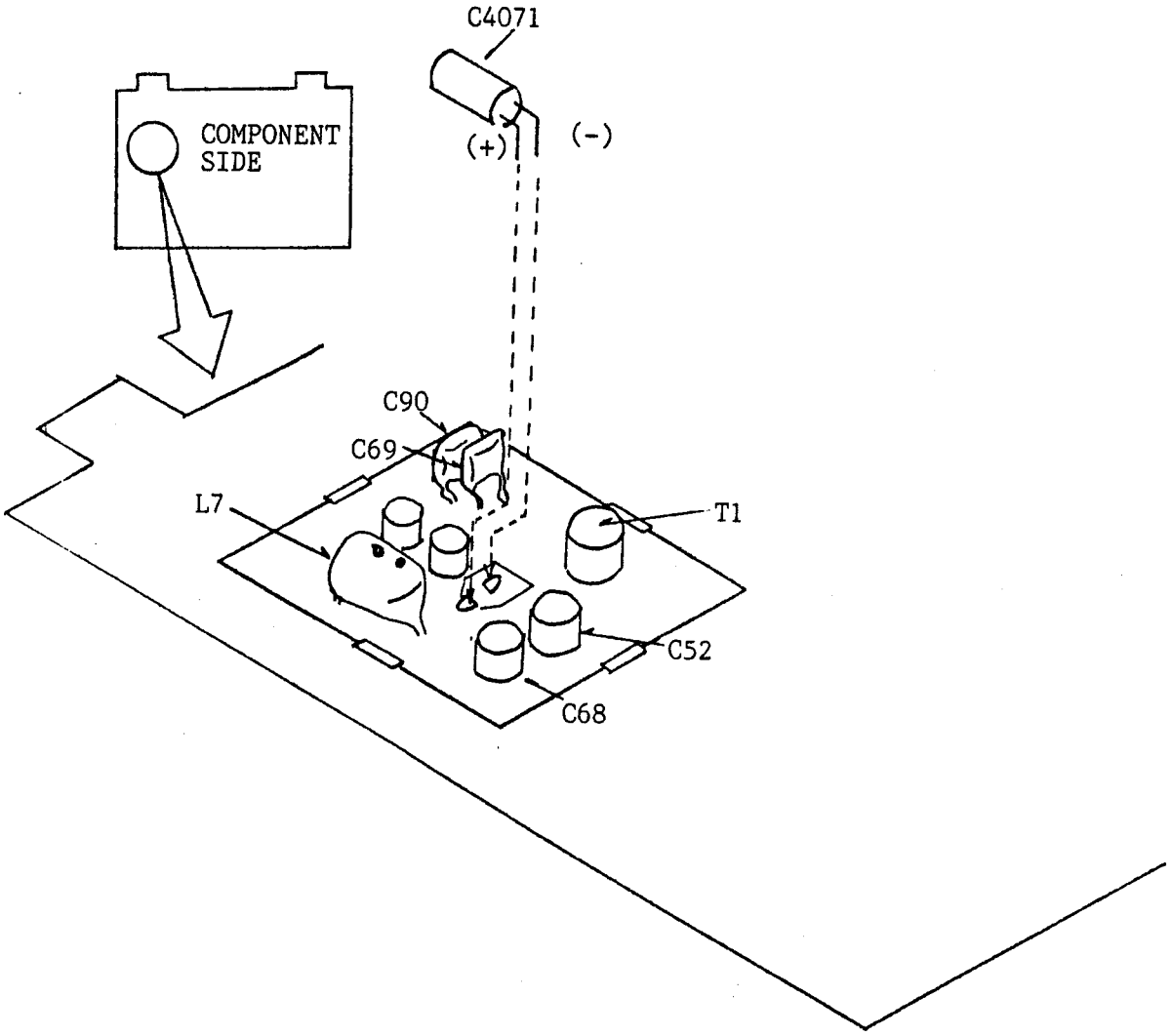
C4071
COMPONENT SIDE
(+)
(-)
C90
C69
L7
T1
C52
C68

! 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.

Order No. VSD9608S603 D

Service Manual

Supplement

Video Product

Subject : Change of Capacitor

Please use this supplement together with the Service Manual as follows :

Model No.	Bulletin No.	Order No.	Effective from
AG-7150-E/B	50	VSD9109M615	A5----
AG-7350-E/B	53	VSD9109M615	A5----
AG-7355-E/B	38	VSD9110M616	A5----
AG-6040E	30	VSD9209M625	A5----
AG-6730E	34	VSD9212M628	A5----
AG-6045E	5	VSD9501M640	A5----
AG-5700-E	18	VSD9202M619	A5----
AG-MD830E	15	VSD9408M637	A5----
AG-6840HE/B	32	VSD9004M602	A5----
AG-6850H-E/B	32	VSD9006M603	A5----
AG-6124E/B	9	VSD9406M635	A5----
AG-5260E/B	9	VSD9404M633	A5----
AG-7600E	8	VSD9502M642	A5----
AG-7700E	12	VSD9502M642	A5----
AG-8600E	6	VSD9512M601	A5----
AG-8700E	6	VSD9512M601	A5----

Board: POWER

Reason for Change

- ❑ The following part(s) has(have) been changed for serviceability improvement.
- ❑ The following part(s) has(have) been changed for productivity improvement.
- ❑ The following part(s) has(have) been changed for standardization.
- ■ The following part(s) has (have) been changed for the safety regulation.
- ❑

TE2-4417

Panasonic

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nterchangeability Code (I/C)

A	Original or new parts may be used in early or late production set. Use original parts until exhausted, then stock new parts.
B	Original parts may be used in early production sets only. New parts may be used in early or late production sets. Use original parts possible then stock new parts.
C	New parts only may be used in early or late production sets.
D	Original parts may be used in early production sets only. New parts may be used in late production sets only. Stock both original and new parts.
E	Others

Part Number

Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	I/C	Remarks
C1008	VCK0041	VCK0259K331A	CAPACITOR	1	C	AG-7150/7350/7355-E/B
C1045	VCK0041	VCK0259K331A	CAPACITOR	1	C	AG-7150/7350/7355-E/B
C1003-5	VCK0040	VCK0259K221A	CAPACITOR	3	C	AG-7150/7350/7355-E/B
C1005	VCK0046	VCK0260K222A	CAPACITOR	1	C	AG-6040/6730/6045E
C1010	VCK0046	VCK0260K222A	CAPACITOR	1	C	AG-6040/6730/6045E
C10038	VCK0046	VCK0260K222A	CAPACITOR	1	C	AG-6040/6730/6450E
C1001-3	VCC0046	VCK0260K222A	CAPACITOR	3	C	AG-6040/6730/6450E
C1006	VCC0046	VCK0260K222A	CAPACITOR	1	C	AG-6040/6730/6450E
C1036	VCC0046	VCK0260K222A	CAPACITOR	1	C	AG-6040/6730/6450E
C1037	VCC0024	VCK0262K222A	CAPACITOR	1	C	AG-6040/6730/6450E
C1002-3	VCK0083	VCK0260M332A	CAPACITOR	2	C	AG-MD830E/B
C1004-5	VCK0043	VCK0259M102A	CAPACITOR	2	C	AG-MD830E/B
C1102-5	VCK0083	VCK0260M332A	CAPACITOR	4	C	AG-5700-E
C1003-4	VCK0046	VCK0260K222A	CAPACITOR	2	C	AG-6840H/6850HE
C1005	VCK0046	VCK0260K222A	CAPACITOR	1	C	AG-6840H/6850HE
C1027-28	VCK0045	VCK0260K152A	CAPACITOR	2	C	AG-6840H/6850HE
C1029	VCK0045	VCK0260K152A	CAPACITOR	1	C	AG-6840H/6850HE
C1010	VCC0024	VCK0262M222A	CAPACITOR	1	C	AG-5260E/B
C1011	VCC0046	VCK0260M222A	CAPACITOR	1	C	AG-5210E/B
C1012	VCC0046	VCK0260M222A	CAPACITOR	1	C	AG-5210E/B
C1010	VCC0024	VCK0262M222A	CAPACITOR	1	C	AG-6124/5260E/B
C1011-12	VCK0046	VCK0260M222A	CAPACITOR	2	C	AG-6124/5260E/B
C1001	VCC0024	VCK0262M222A	CAPACITOR	1	C	AG-6124/5260E/B
C1002-3	VCC0046	VCK0260M222A	CAPACITOR	2	C	AG-6124/5260E/B
C004	VCC0024	VCK0262M222A	CAPACITOR	1	C	AG-6124/5260E/B
C1005-6	VCC0046	VCK0260M222A	CAPACITOR	2	C	AG-6124/5260E/B
C1001-2	VCK0083	VCK0260M332A	CAPACITOR	2	C	AG-7600/7700/8600/8700E
C1004-5	VCK0044	VCK0260M102A	CAPACITOR	2	C	AG-7600/7700/8600/8700E