



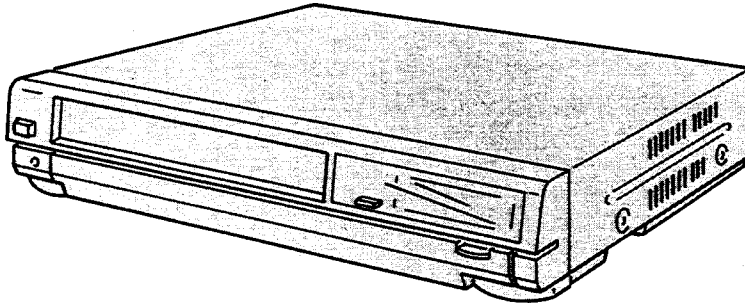
V10532

Service Manual

Video Cassette Recorder

Panasonic **VHS** **HQ**
PAL
NV-J40 EG/B/EI
 EO/EV/EO-W
VW-VPS5

General Description
Adjustment Procedures
Block/Schematic Diagrams
Exploded Views/Parts List



SERVIS »TV-VID«
 Ing. Jozef Bukavina
 Buzdohanj 169/5 - ČAVLE
 tel. (051) 259-792

SPECIFICATIONS

ITEM	SPECIFICATION		ITEM	SPECIFICATION
POWER	SOURCE: 220V AC 50/60 Hz (NV-J40EG) 240V AC 50/60 Hz (NV-J40B) 220~240V AC 50/60 Hz (NV-J40EI/EO/EV)		VIDEO	HEADS: 3 rotary heads 1 pair for recording and playback (L-R heads) 1 pc. for trick play (L' head)
	CONSUMPTION: 26 watts (NV-J40EG/B) 25 watts (NV-J40EI/EO/EV)			INPUT: EURO AV Connector (21 pin) 1.0V _{p-p} , 75Ω terminated
RECORDING SYSTEM	2 rotary heads, helical scanning system			OUTPUT: EURO AV Connector (21 pin) 1.0V _{p-p} , 75Ω terminated
	PAL			
TV TUNER SYSTEM	NV-J40EG	VHF I: CHE2~CHE4 VHF III: CHS4~CHE12 VHF H: CHS11~CHS20 (PAL/SECAM B) 75Ω unbalanced	AUDIO	HEAD: 1 Stationary head (Normal Audio)
		UHF: CH21~CH69 (PAL/SECAM G) 75Ω unbalanced		INPUT: EURO AV Connector (21 pin) More than -6dBV (500mV), 10kΩ
	NV-J40B	UHF: CH21~CH69 (PAL I) 75Ω unbalanced	TAPE FORMAT	VHS Cassette tape (Tape width 12.7 mm)
	NV-J40EI	VHF I: CHA~CHH VHF III: CHS4~CHH2 CHF H: CHS11~CHS41 (PAL B) 75Ω unbalanced	TAPE SPEED	23.39 mm/s Record/Playback Time: 4 hours with 240 min. type tape FF/REW Time 2.5 min. with 180 min. type tape
		UHF: CH21~CH69 (PAL G) 75Ω unbalanced	DIMENSIONS	380 (W) × 82 (H) × 344.5 (D) mm
NV-J40EO/ EV	VHF I: CHE2~CHS3 VHF III: CHM1~CHE12 VHF H: CHU1~CHS41 (PAL/SECAM B) 75Ω unbalanced	WEIGHT	5.1 kg (NV-J40EG) 5.0 kg (NV-J40B/EI/EO/EV)	
	UHF: CH21~CH69 (PAL/SECAM G) 75Ω unbalanced	STANDARD ACCESSORIES	1 pc. DIN-RF Cable 1 pc. Programme Sheet 1 pc. AC Mains Lead 1 pc. Infra-res Remote Controller (Build in Digital Scanner type)	
RF OUT SYSTEM	NV-J40EG/ EI/EO/EV	UHF: CH36 ± 4 (PAL G) 70 ± 3 dB _μ , 75Ω unbalanced		
	NV-J40B	UHF: CH36 ± 4 (PAL I) 73 ± 3 dB _μ , 75Ω unbalanced		

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

Panasonic

INTRODUCTION

This service manual contains technical information which will allow service personnels to understand and service this model.

Section 1 presents you with some general information of features and controls, enabling you to become familiar with each function.

Section 2 contributes to your mechanical and electrical adjustment as well disassembly and replacement procedures.

In the case of very common information relating to other models like mechanical adjustments, please refer to each service manual.

Section 3 contains block diagrams which offers you information for checking and understanding each circuit. Schematic diagrams which give you detailed information such as waveforms, voltage data, function e.t.c...

Section 4 contains exploded views and parts list.

Please place orders using the parts list and not the drawing reference numbers.

If the circuit is changed or modified, this information will be followed by supplementary service manual to be filed with original service manual.

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Technical Information

Subject: How to install the VPS DECODER (VW-VPS5: NV-J40EI/EO)

To install the optional VPS Decoder (VW-VPS5), consult your Panasonic dealer.

1. Do not connect the video recorder to the mains outlet.
2. Unfasten the 4 screws of the cabinet cover and remove the cabinet cover. (Fig. V1)
3. Remove the 2 screws on the back of the unit and the 3 screws on the upper side of the Main C.B.A. (Fig. V2)
4. lift the Main C.B.A. up side down and lie it on the Cassette Compartment. Insert the VPS Decoder and solder it. (Fig.V3)

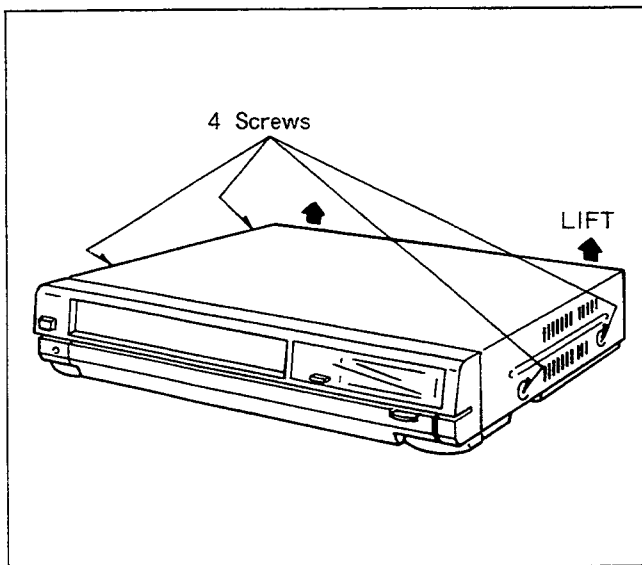


Fig. V1

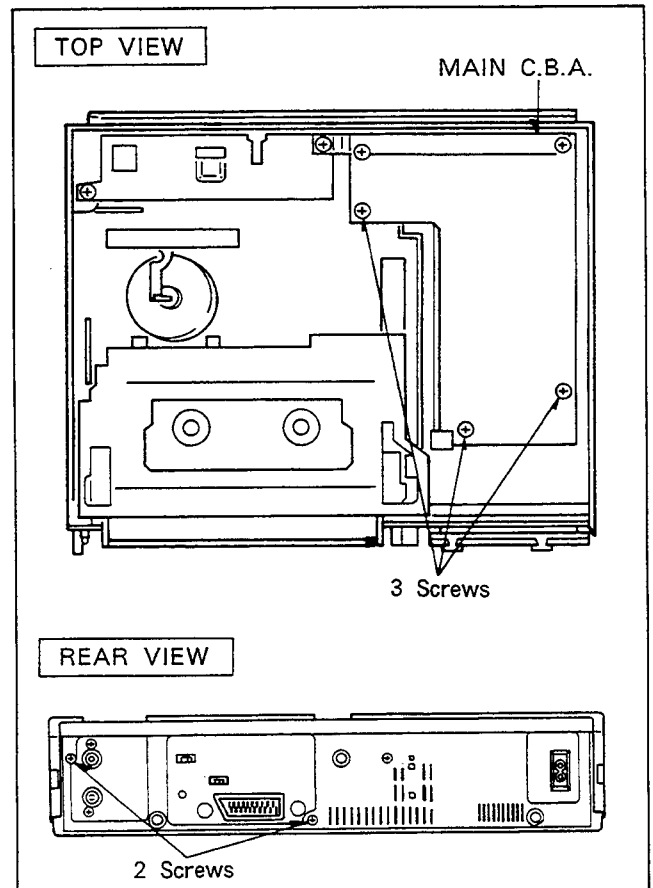


Fig. V2

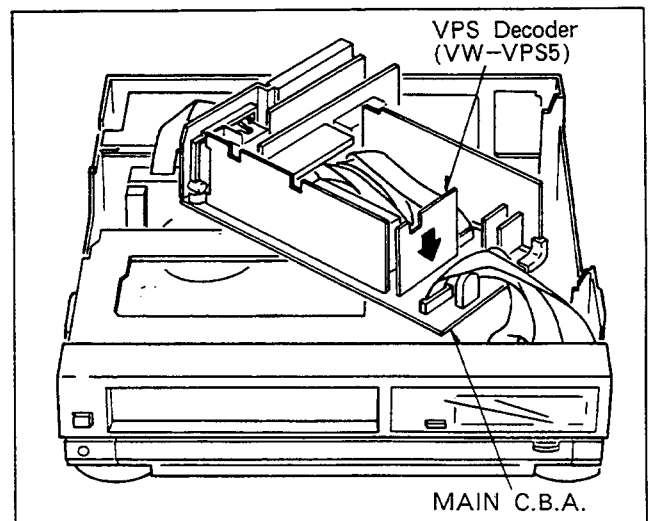


Fig. V3

Subject: Modification for preventing the interference between RF Converter and adjacent TV channel.

Purpose:

This is to prevent the interference due to MIX booster system (RF converter) of NV-J40B. When the interference of RF output channel and its adjacent TV channel is occurred, please make following modifications.

- (1). Cut the foil on the Main C.B.A. between pin-5 of the RF converter and REG.12V line.
- (2). Short the pin-3 and pin-5 in RF converter unit.
- (3). Add the DIODE (MA73) between the pin-30 and pin-55 of Timer IC (IC7501) on the Timer C.B.A.

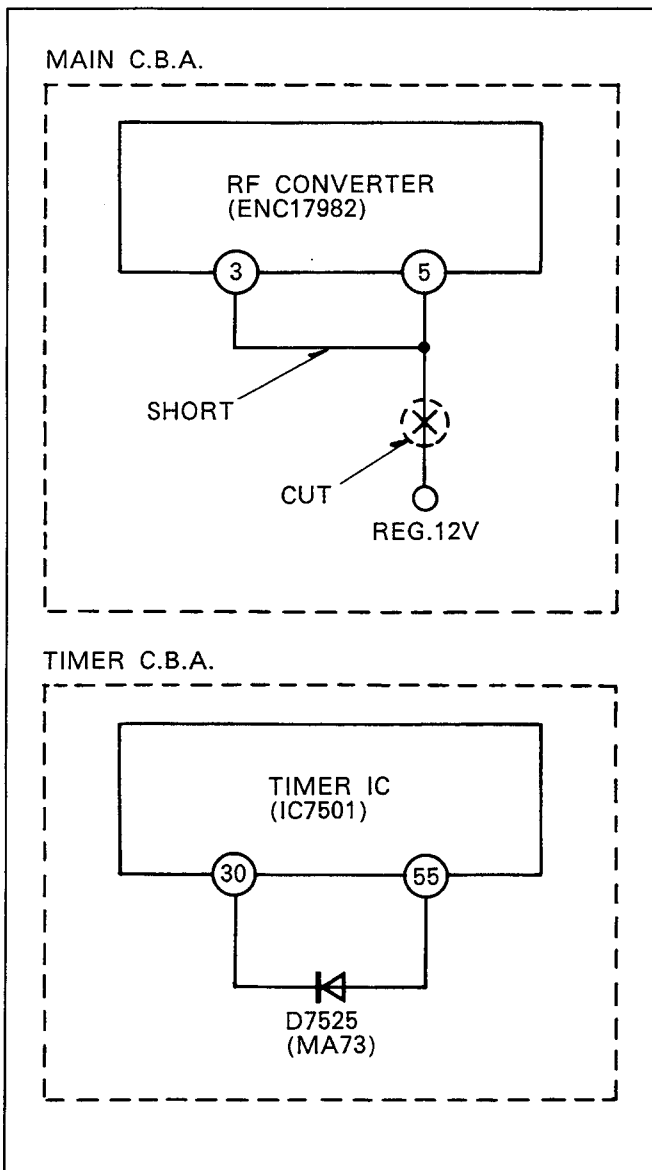


Fig.T1.

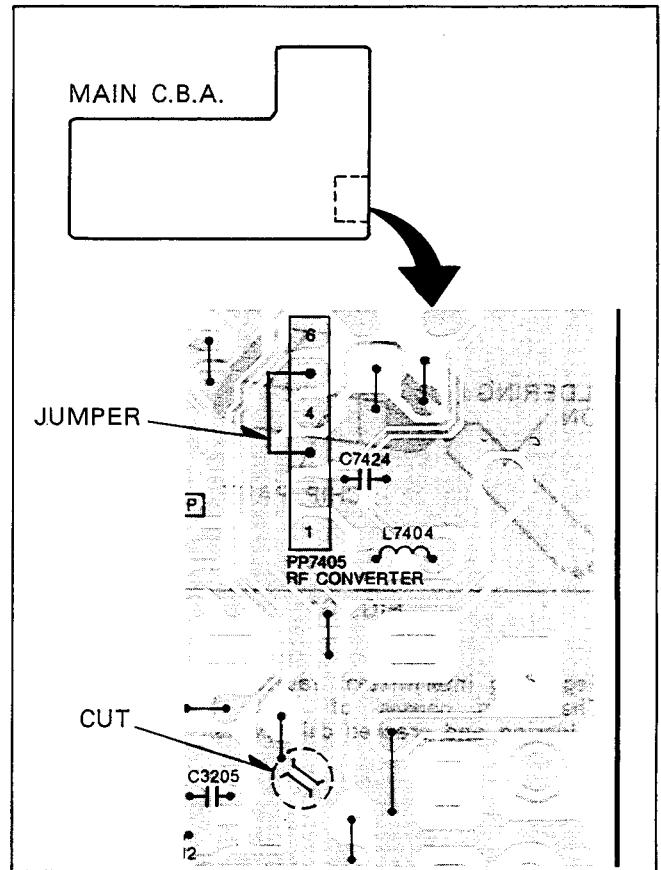


Fig.T2.

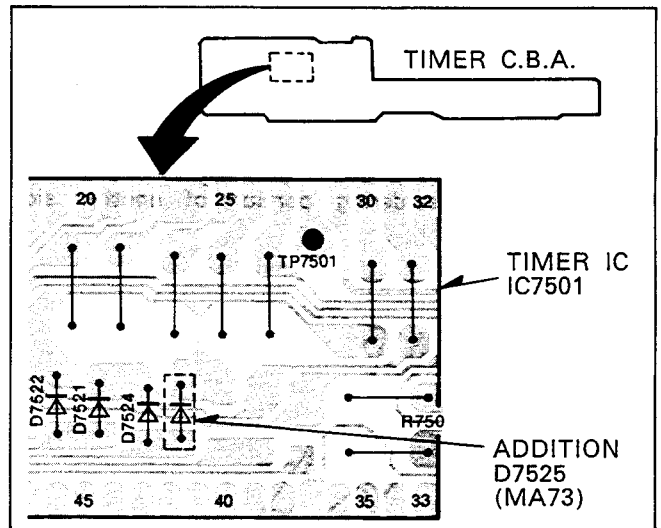


Fig.T3.

NOTE:

(After modification)

When power is turned "ON" (Initial condition), VTR is "TV" mode.

When VTR becomes playback mode, VTR turns "VTR" mode automatically.

If you want to select TV mode again, you must turn OFF the power and then power ON the VTR again.

SERVICE INFORMATION

1-1. HOW TO CHECK THE CRACKED CHIP PART

- (1) Apply heat to the soldered portions of chip part using a soldering iron for about 2-3 seconds.
- (2) If the chip part is faulty, it will be broken or cracked.

Caution: Do not leave soldering iron on the PCB too long as damage may occur to the PCB or the chip parts.

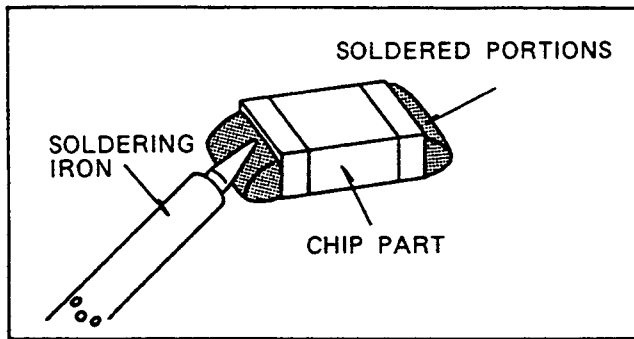


FIG. G1

Note: Regarding intermittent faults
The main causes of these faults are poor soldering and cracked chip parts.

1-2. HOW TO REPLACE THE CHIP PART

1) REMOVAL (RESISTOR, CAPACITOR, etc...)

- (1) Presolder the one side of soldering portion for chip part and grasp the chip part by tweezers.
- (2) Melt the presoldered portion. And then remove the chip part with a twisting motion while melting the soldering portion of another side quickly.

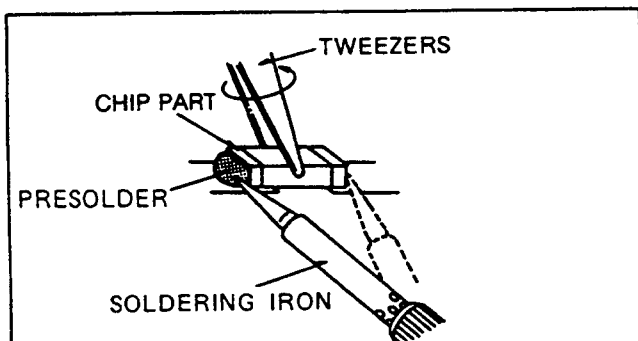


FIG. G2

2) REMOVAL (transistor, diode, etc...)

- (1) Grasp the chip part with tweezers and melt the solder of one lead.

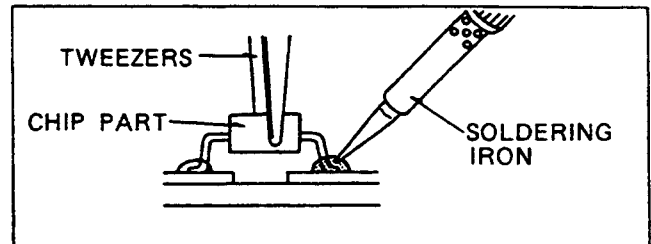


FIG. G3

- (2) Lift the side of that lead upward.

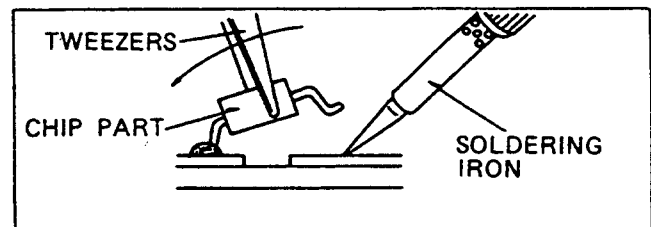


FIG. G4

Caution: Do not lift the chip part too high as damage may occur to the PCB or the leads that are still soldered on the PCB.

- (3) Simultaneously heat the solder of the two remaining leads and lift part to remove.

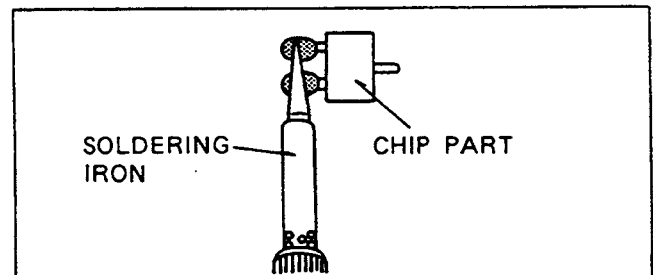


FIG. G5

3) INSTALLATION

- (1) Presolder the one side of contact point on the circuit board.

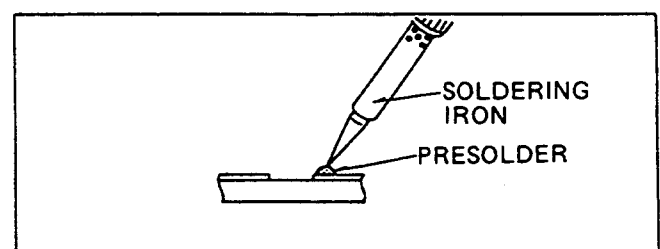


FIG. G6

- (2) To install the chip part, hold in position using tweezers, apply heat to the pre-soldered portions using a fine tip soldering iron.
- (3) Solder the other side of the chip part.
- (4) Check your soldering.

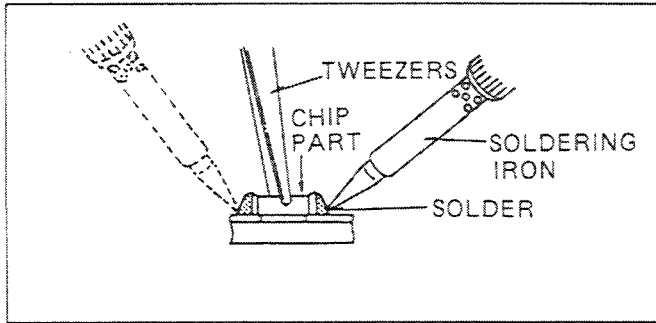


FIG. G7

1-3. HOW TO REMOVE THE FLAT-IC

(WITH HOT-AIR FLAT-IC DESOLDERING MACHINE)

(FOR EXAMPLE)

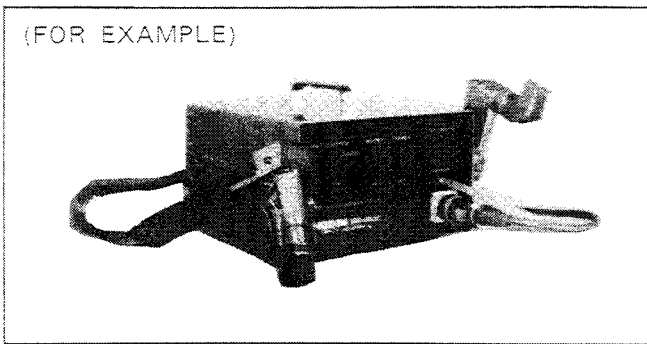


FIG. G8

- (1) Prepare the HOT-AIR FLAT-IC DESOLDERING MACHINE. And then apply hot air to FLAT-IC about 5 ~ 8 seconds.
- (2) Remove the FLAT-IC with tweezers while applying the hot air.

Caution: Do not supply the hot air to the chip parts around the Flat-IC for long time as damage may occur to the chip parts around the Flat-IC.

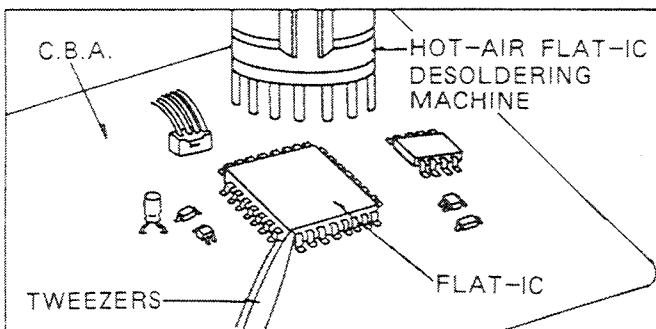


FIG. G9

(WITH SOLDERING IRON)

- (1) Using solder braid remove the solder from all pins of the Flat-IC. When you use the solder flux which is applied to all pins of the Flat-IC, you can remove it easily.

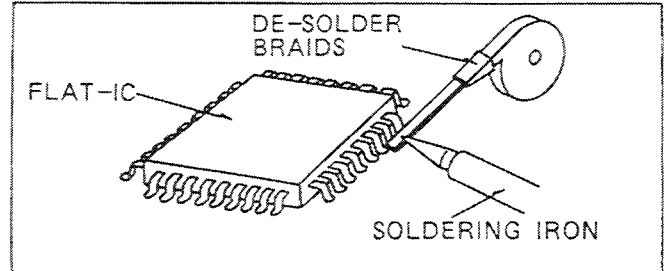


FIG. G10

- (2) Lift each lead of the Flat-IC upward one by one using a sharp pin or non solder wire (iron wire), while heating the pins using a fine tip soldering iron or a hot air blower.

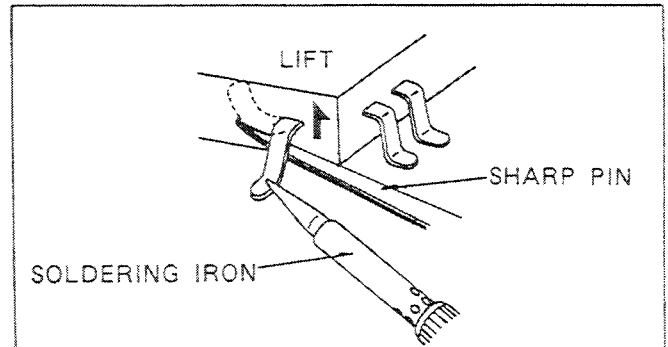


FIG. G11

(WITH IRON WIRE)

- (1) Affix the wire to workbench or solid mounting point as shown in FIG. G12.
- (2) Pull up wire as the solder melts so as to lift the IC lead from the PCB contact pad, while heating the pins using a fine tip soldering iron or hot air blower.

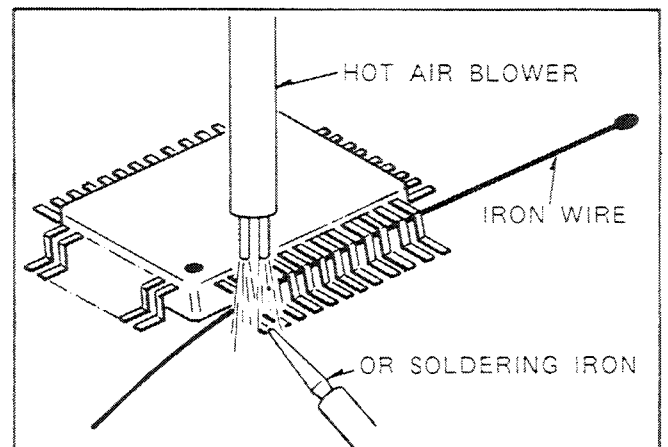


FIG. G12

Note: When using a soldering iron care must be taken to ensure that the Flat IC is not being held by glue before it is the PCB may be damaged if force is used.

SECTION 1

GENERAL DESCRIPTIONS

1-1. FEATURES

1. High-Response Mechanism. (G1-Revised)
 In order to achieve the quick operation. Dual-mode Loading Stop System is introduced on this G1-Revised Mechanism as G2 mechanism. (Microprocessor is also changed comparing with G1.) Response times are slightly increased as following table Fig.F1.

CHASSIS No.	G1	G1-REV.	G2
Scene access time from Cassette-IN (Sec.)	10	5.8	5.7
Scene access time from STOP 1 (Half-loading stop) (Sec.)	5.7	3.9	3.6
Scene access time from STOP 2 (Full-loading stop) (Sec.)	---	0.8	0.8
Scene access time from FF/REW (Sec.)	(F)7.6/(R)7.2	(F)4.6/(R)4.3	4.5
Mode switch time from PLAY to REVIEW (Sec.)	2.5	2.1	0.5
Mode switch time from PLAY to FF/REW (Sec.)	(F)9.2/(R)7.0	(F)8.2/(R)5.2	4.6
Mode switch time from STOP 1 to FF/REW (Sec.)	(F)3.3/(R)4.1	(F)3.3/(R)4.1	0.5
Mode switch time from PLAY to EJECT (Sec.)	8.8	5.9	6.3
CUE/REV SPEED (SP mode)	X7	X9	X9

Fig. F1 Mechanism Response Time
 (Indicated times are approximately)

2. Auto Operation.
 Four convenient automatic playback operations can be activated simply by pressing a single button on the remotecontroller.
1. Repeat Playback
 2. Memory Playback
 3. Sleep Playback
 4. Rewind Playback

Moreover, another auto operation can be activated automatically.

Auto Operation Auto VTR On

When a cassette is inserted, the VTR turns itself on automatically.

Auto Play

When inserting a video cassette which has the erasure prevention tab removed playback will start automatically.

Auto Rewind

When the tape reaches its end during recording (except OTR and timer recording) or playback, it will automatically be rewound to the beginning.

VTR-Off Eject

When the VTR is off, the inserted cassette can be ejected simply by pressing the Eject Button, and VTR will automatically turn itself off again.

Auto Head Cleaning Function

This VTR features a special function that automatically removes tape particles and dust from the video heads to ensure continuously superior picture quality. While the Head Cleaning Function is working, some noise may be reproduced. However, this is no malfunction.

3. Another Functions.

1. VHS Index Search System
2. Intro Scan Function
3. Time Search Function.

1-2. TECHNICAL INFORMATION

INITIALIZATION OF CHANNEL MEMORY IC (IC7502/M6M80021P)

When replace the channel memory IC (IC7502/M6M80021P), the memory IC should be initialized to keep formal specification.

Note:

- 1) It should be performed before tuner preset.
- 2) During initialization or after initialization within 1 second, do not stop the power source. (Do not disconnect AC cord.)
- 3) Meaning of "INITIALIZATION" is to erase the "SKIP CH". In another to say the number of POSITION CH and DISPLAY CH to be same.

Method:

- 1). Press the CH UP/DOWN Button so that the Channel indicator indicates "--".
- 2). Connect the Diode (MA165) to Pin 54 of IC7501 for Anode, Pin 35 of IC7501 for Cathode twice.
- 3). Channel indication disappears, and approximately 3 seconds later channel indicator indicates "1".

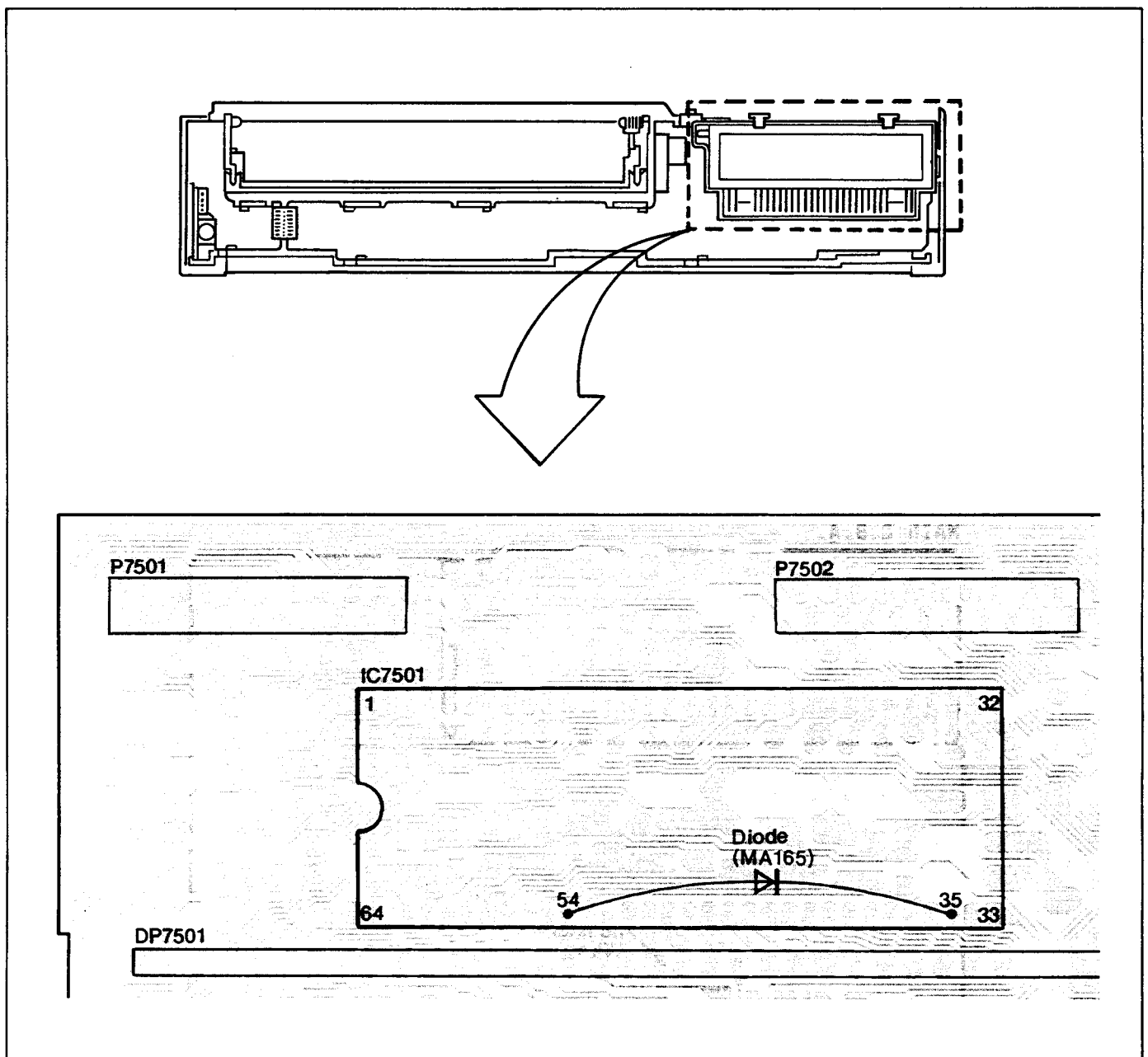


Fig. T1

SERVICE INFORMATION DISPLAY

This unit can be confirmed the mode information which is detected by microprocessor IC6001 via multi function display.

Method:

- 1) Press "EJECT", "FF" and "REW" keys at the same time.
- 2) The counter of multi function display indicates microprocessor data approximately 20 seconds as shown in Fig.T2.

NOTE:

- 1) This mode can be entered Power off.
- 2) Also it can be displayed the data when connect jumper wire between TPSERV and TPGND2. In this case the data is indicated still open the TPSERV.

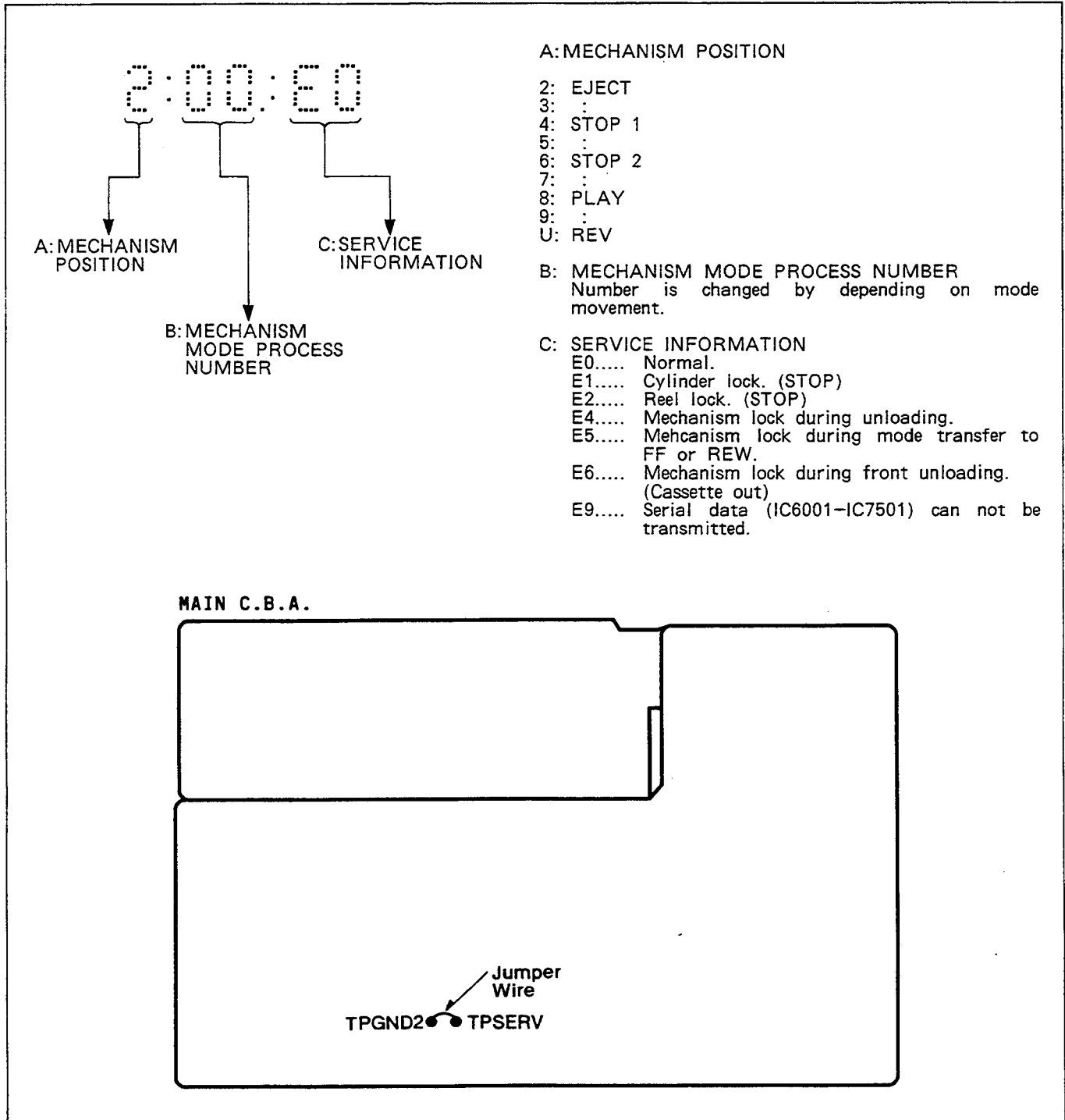
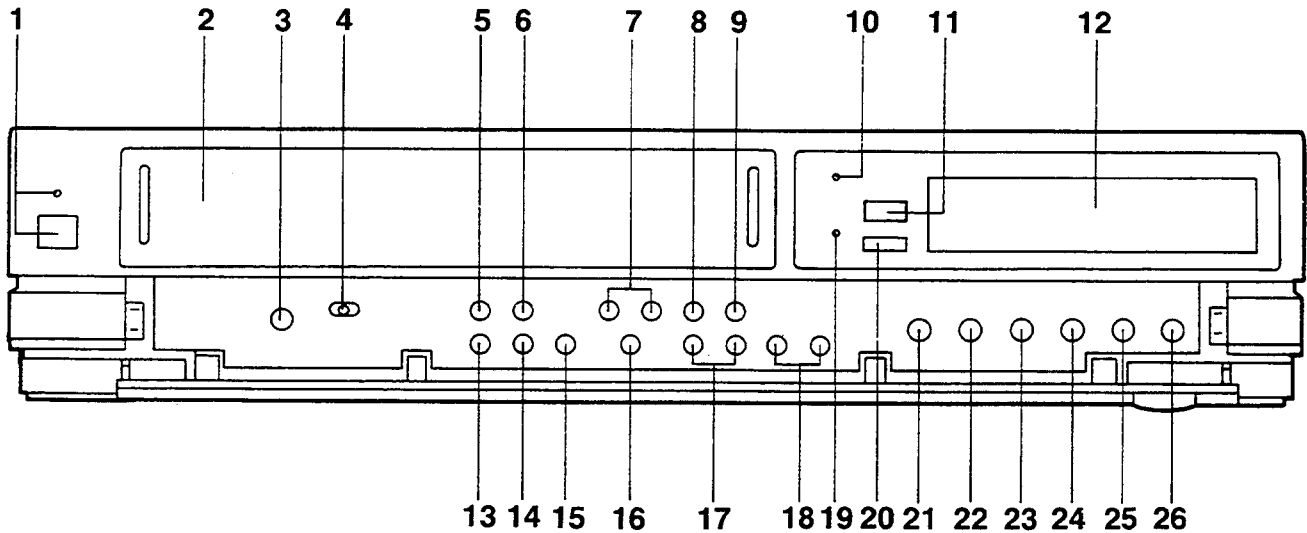


Fig. T2

1-3. CONTROLS AND COMPONENTS

FRONT



- 1 VTR On/Off Switch with Indicator
- 2 Cassette Compartment
- 3 Picture Sharpness Control
- 4 Noise Filter/Edit Selector

EDIT ON: For editing operations such as dubbing.

OFF: For ordinary use of the VTR.

NOISE FILTER ON: For playback of tapes with inferior picture quality caused, for example, by repeated dubbing.

- When the Noise Filter/Edit Selector is set to "EDIT ON", the picture sharpness cannot be adjusted with the Picture Sharpness Control.

- 5 Clock Button
- 6 Programme/Check Button
- 7 Tracking/V-Lock "+" and "-" Buttons

Digital Tracking

When playback is started after inserting a cassette, and the VTR is turned on, the Digital Tracking function will be activated automatically, the Digital Tracking Indicator will flash for several seconds, and the tracking will be adjusted automatically (after the adjustment, the Digital Tracking Indicator will remain lit).

- During playback, the Digital Tracking function will be activated whenever the playback changes over from an unrecorded part to a recorded part, provided the recorded part is longer than 4 seconds.

- When the picture is distorted by noise bars, press the Tracking "+" or "-" Button to select manual tracking and adjust with these two buttons. The Digital Tracking Indicator goes out. To change back to Digital Tracking, press the Tracking "+" and "-" Buttons simultaneously.

Vertical Lock Adjustment

If vertical jitter occurs, adjust with the V-Lock "+" or "-" Button during Still playback.

- When the AC Mains Lead is unplugged or a power failure occurs, perform the vertical lock adjustment again.

- 8 Timer Record Button
- 9 PAL/MESECAM Selector (NV-J40EG/EO/EV)

This selector should be set according to the colour TV system used during recording and playback.

During Recording

- PAL: When receiving PAL signals
- MESECAM: When receiving SECAM signals

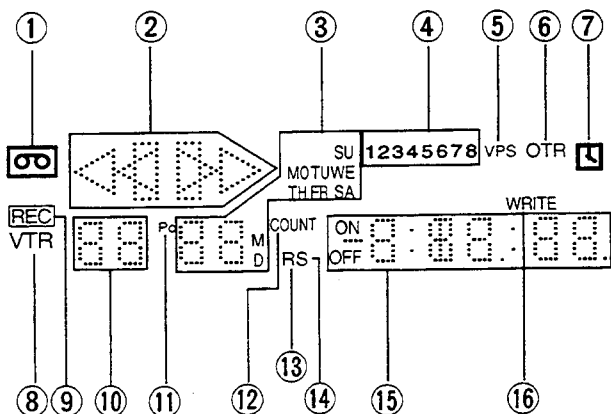
During Playback

- PAL: When playing back a tape recorded in the PAL system
- MESECAM: When playing back a tape recorded in the MESECAM system

- 10 Digital Tracking Indicator
- 11 Infra-red Remote Control Receiver

12 Multi-Function Display

Multi-Function Display



- ① Cassette-in Indicator
- ② Tape Running Display
- ③ Date Display
- ④ Timer Programme Number
- ⑤ VPS Indicator (NV-J40EG/EI/EO/EV)
- ⑥ OTR Indicator
- ⑦ Timer Recording Indicator
- ⑧ VTR Indicator (NV-J40EG/EI/EO/EV)
- ⑨ Recording Indicator
- ⑩ Channel Display
- ⑪ Position Indicator
- ⑫ Counter Mode Indicator
- ⑬ Repeat Indicator
- ⑭ Search Indicator
- ⑮ Clock/Counter Indicator
- ⑯ Write Indicator

13 Preset/Fine/Normal Button

14 AFC/VPS Button (NV-J40EG/EI/EO/EV)

15 Clear Button

16 Next Button

17 Channel Selection Up and Down Buttons

18 OTR Off Buttons

19 MESECAM Indicator (NV-J40EG/EO/EV)

20 Eject Button (▲)

21 Rewind ◀◀/Review ◀▶ Button

22 Play Button (▶)

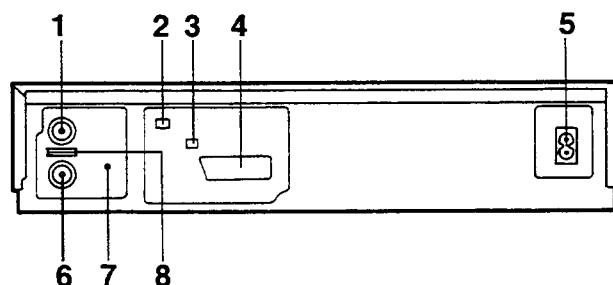
23 Fast Forward ▶▶/Cue ▶▶▶▶ Button

24 Stop Button (■)

25 Pause/Still Button (⏸)

26 Record Button

REAR



1 RF Output Socket

2 Test Signal Switch

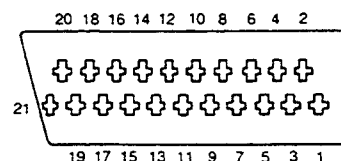
3 DBS Switch (NV-J40EG)

DBS Switch (PAL) (NV-J40EG)

With this switch, the video signal can be switched over to the Euro AV Connector. When a satellite TV (PAL) decoder (descrambler) is connected, the satellite signal (PAL) can be recorded by pressing the Input Signal Selector (the "A1" Indicator in the Multi-Function Display lights up) and the picture of the selected DBS broadcast appears on the TV set.

4 Euro AV Socket

Connections of the Euro AV Socket



1 AUDIO OUTPUT

2 AUDIO INPUT

3 AUDIO OUTPUT

4 AUDIO GND

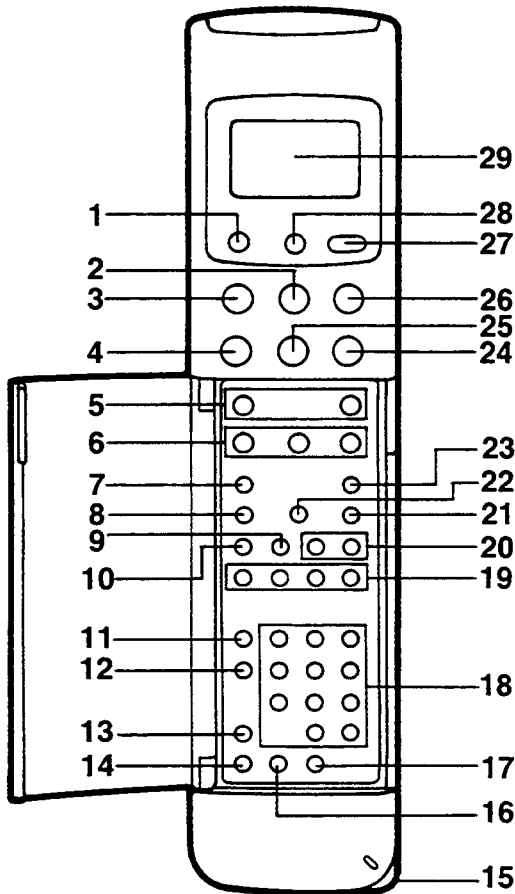
5 No connection

6 AUDIO INPUT

- 7 No connection
- 8 SWITCHING VOLTAGE
- 9 No connection
- 10 No connection
- 11 No connection
- 12 No connection
- 13 No connection
- 14 No connection
- 15 No connection
- 16 No connection
- 17 VIDEO GND
- 18 No connection
- 19 VIDEO OUTPUT
- 20 VIDEO INPUT
- 21 GND

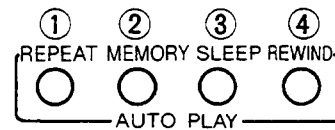
- 5 AC Mains Lead Socket
- 6 RF Input Socket
- 7 Video Playback Channel Adjustor
- 8 RF Signal Level Switch (NV-J40B)

1-4. INFRA-RED REMOTE CONTROLLER



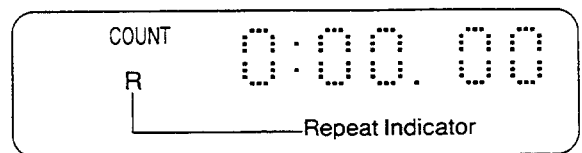
- 1 VTR On/Off Button
- 2 Stop Button (■)
- 3 Pause/Still Button (||)
- 4 Rewind ◀◀/Review ▶▶ Button
- 5 Record Buttons
- 6 Slow Buttons

- 7 Clock/Counter Selector
- 8 Monitor Button
- 9 Time Search Button
- 10 Index Button
- 11 Programme Button
- 12 Next Button
- 13 VPS Button (NV-J40EG/EI/EO/EV)
- 14 Timer Record Button
- 15 Bar Code Reading Section
- 16 Clear Button
- 17 PAL/MESECAM Selector (NV-J40EG/EO/EV)
- 18 Programme Position (Channel) Selector Buttons
- 19 Auto Play Buttons

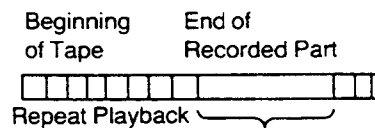


① Repeat Playback

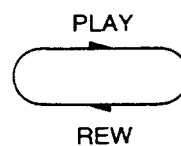
When the Repeat Button is pressed, the "R" indication will light up in the Multi-Function Display on the VTR and playback will start. When the tape reaches the end of its recorded portion, it will automatically be rewound to the beginning and playback will then start again. This process will be performed repeatedly.



- The playback will continue until the VTR detects the end of the video recording (no control signal for more than 5 seconds). At this point, the tape will be rewound to the beginning and the playback will be repeated.



Control signal Interruption (at least 5 sec.)



- If the interruption of the control signal is less than 5 seconds, the playback will continue (no rewind from this point and repeat).

To stop the Repeat Playback, press the Stop Button.

Note:

If a short tape portion is played back many times, the tape may become damaged at that part.

② Memory Playback

When the Memory Button is pressed while the VTR is in the Stop mode, the tape is then fast-forwarded or rewound and it will be stopped at the tape counter position "0:00.00", and playback will then start from that position.

③ Sleep Playback

When the Sleep Button is pressed, playback will start. As soon as the tape reaches its end, it will be automatically rewound to the beginning, and the VTR will then turn itself off.

④ Rewind Playback

When the Rewind Button is pressed, the tape will be rewound. As soon as the beginning of the tape is reached, playback will start automatically.

20 Tracking/V-Lock "+" and "-" Buttons

21 Input Signal Selector

22 VTR/TV Selector (NV-J40EG/EI/EO/EV)

23 Reset Button

24 Fast Forward ►►/Cue ◀▶ Button

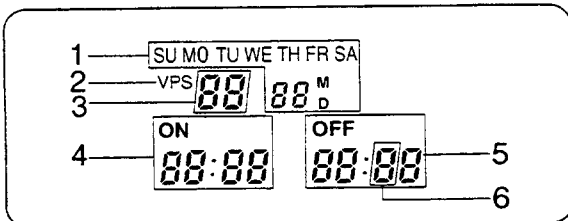
25 Play Button (▶)

26 Still Advance Button (II▶)

27 Transmit Button

28 Digital Scanner On/Off Button

29 Display



- | | |
|-------------------------------------|----------------------|
| 1 Date Display | 4 Start Time Display |
| 2 VPS Indicator (NV-J40EG/EI/EO/EV) | 5 End Time Display |
| 3 Channel Display | 6 Check Indicator |

Power Source for the Remote Controller

■ The Remote Controller is powered by 2 IEC "R6" size batteries. The life of the batteries is about one year, however, it depends on the frequency of use. Inspect and if necessary, replace the batteries once a year.

CAUTION FOR BATTERY REPLACEMENT

- Load the new batteries with their polarities (⊕ and ⊖) aligned correctly.
- Do not apply heat to batteries, or internal short-circuit may occur.
- If you do not intend to use the Remote Controller for a long period of time, remove the batteries and store them in a cool and dry place.

- Remove spent batteries immediately and dispose of them.
- Do not use an old and a new batteries together. (Also never use an alkaline battery with a manganese battery.)

- Treat the Programming Sheet with care. If the sheet gets dirty or scratched, the bar code reading may become impossible.
- Protect the Remote Controller from strong shocks and vibration. Keep it away from water and places with high temperature and humidity.
- If the bar code is traced slowly, it cannot be read correctly.
- When there is no "Beep" sound, the reading of the bar code is incomplete. Trace the bar code again.
- When using the Programming Sheet, put it on flat surface: Reading the bar codes while holding it in your hand or bending it, may result in incorrect operation.
- Do not deviate from the bar code, nor stop tracing halfway.

Note:

- The infra-red beam should be transmitted directly at the Infra-red Remote Control Receiver on the front of the VTR.
- Direct sunlight may interfere with the beam.
- The lightsensing angle of the Infra-red Remote Control Receiver in the VTR is about 30° for each side from the centre.
- The unit should be used within a range of about 7 meters from the front of the VTR.

Recommendation

After the programming of timer recording(s) is completed, press the Digital Scanner On/Off Button so that the indications in the Display disappear, in order to save battery power.

When the Bar Codes Cannot be Read

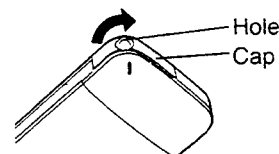
Although the lamp in the tip of the Bar Code Reading Section lights up:

- No figures appear in the Display
- No beep sounds is heard;

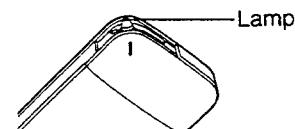
The tip of the Bar Code Reading Section is probably clogged with dirt.

Cleaning

- 1 Remove the cap of the Bar Code Reading Section.
 - Remove dirt and dust from the hole of the cap.



- 2 Gently wipe the tip of the lamp with a soft cloth.
 - Reattach the cap by inserting it until it locks with a click.



SECTION 2

ADJUSTMENT PROCEDURES

2-1. DISASSEMBLY METHOD

2-1-1. DISASSEMBLY FLOW CHART

This flow chart indicates disassembly steps of the cabinet parts and the circuit boards in order to find the necessary items for servicing. When reassembling, perform the steps in the reverse order.

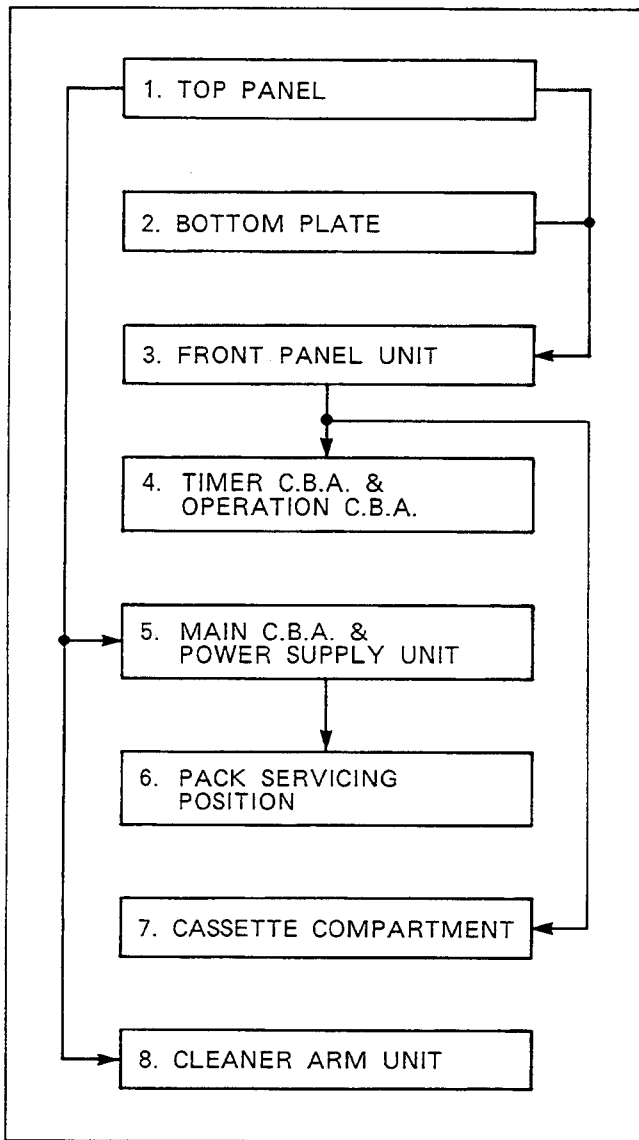


Fig. D1

2-1-2. DETAIL OF DISASSEMBLY METHOD

1. REMOVAL OF THE TOP PANEL

Remove ... 4 Screws (A)

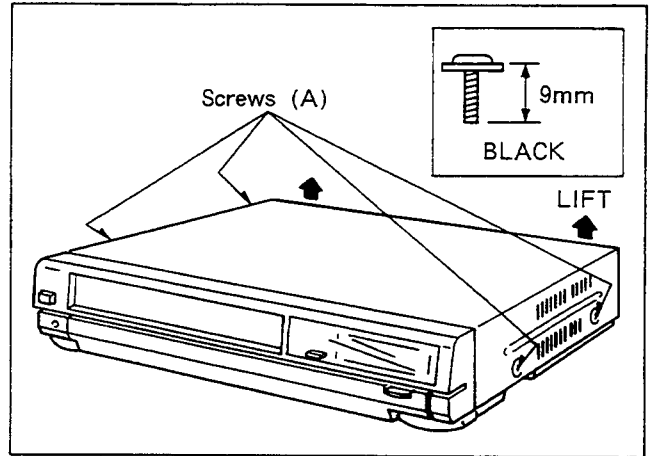


Fig. D2

2. REMOVAL OF THE BOTTOM PLATE

Remove ... 7 Screws (B)

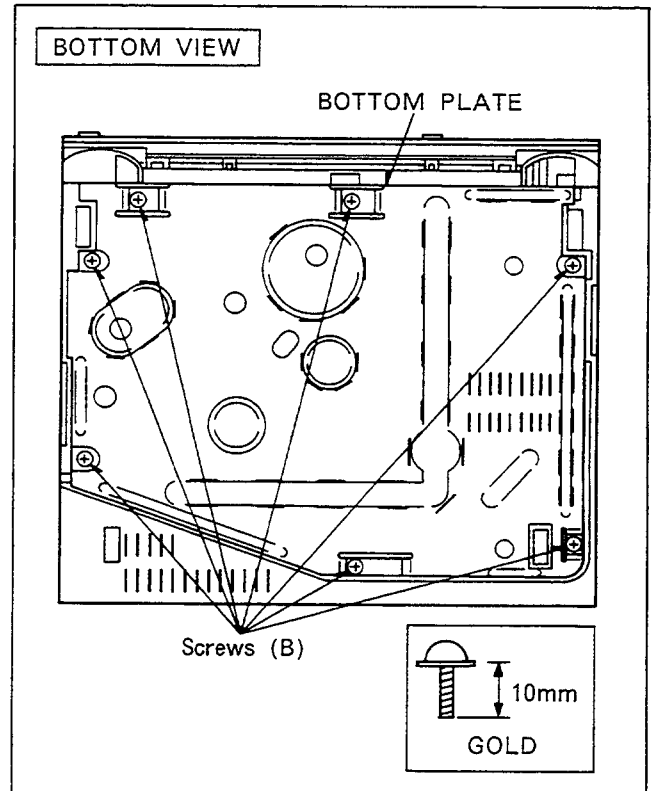
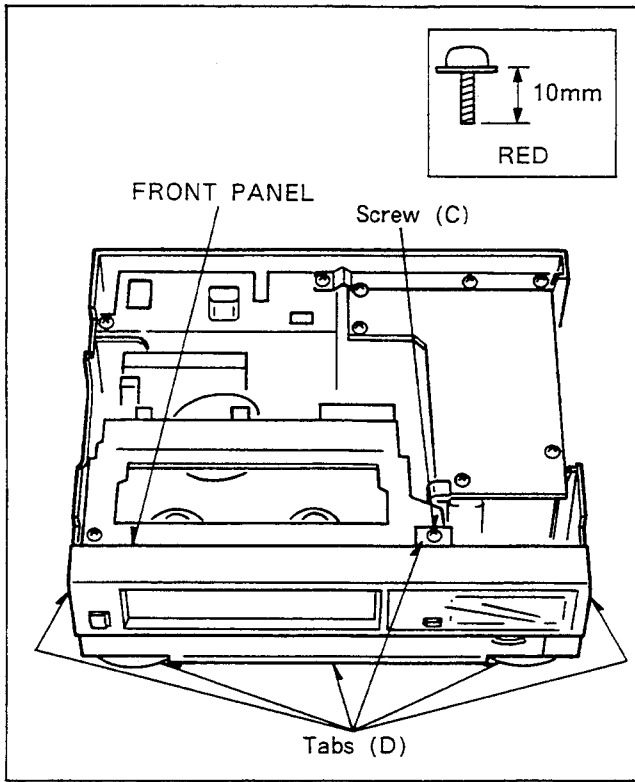


Fig. D3

3. REMOVAL OF THE FRONT PANEL UNIT

- Remove ... Screw (C)
- Unlock ... 6 Tabs (D)



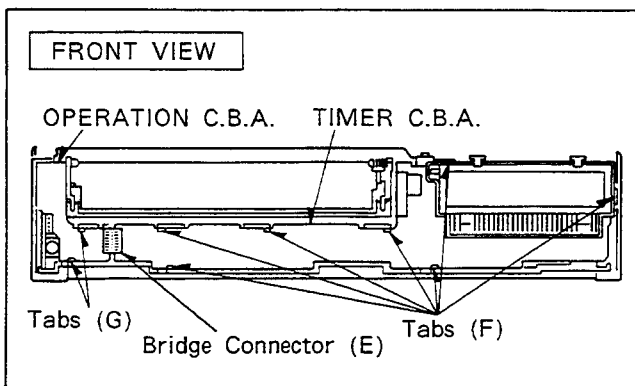
4. REMOVAL OF THE TIMER C.B.A. & OPERATION C.B.A.

REMOVAL OF THE TIMER C.B.A.

- Disconnect ... Bridge Connector (E)
- Unlock ... 7 Tabs (F)

REMOVAL OF THE OPERATION C.B.A.

- Disconnect ... Bridge Connector (E)
- Unlock ... 2 Tabs (G)



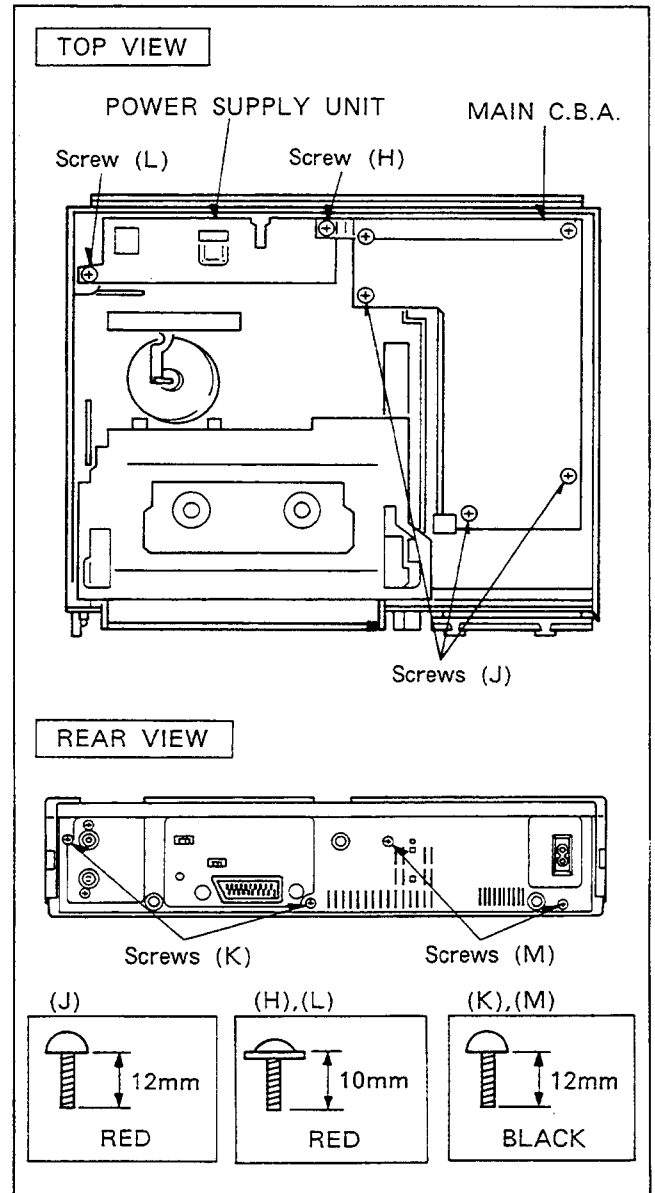
5. REMOVAL OF THE MAIN C.B.A. & POWER SUPPLY UNIT

REMOVAL OF MAIN C.B.A.

- Remove ... Screw (H)
- Remove ... 3 Screws (J)
- Remove ... 2 Screws (K)

REMOVAL OF THE POWER SUPPLY UNIT

- Remove ... Screw (H)
- Remove ... Screw (L)
- Remove ... 2 Screws (M)



6. PACK SERVICING POSITION

CAUTION:

Confirm that the isolation between Mechanical Chassis and Main C.B.A. before connecting Main AC.

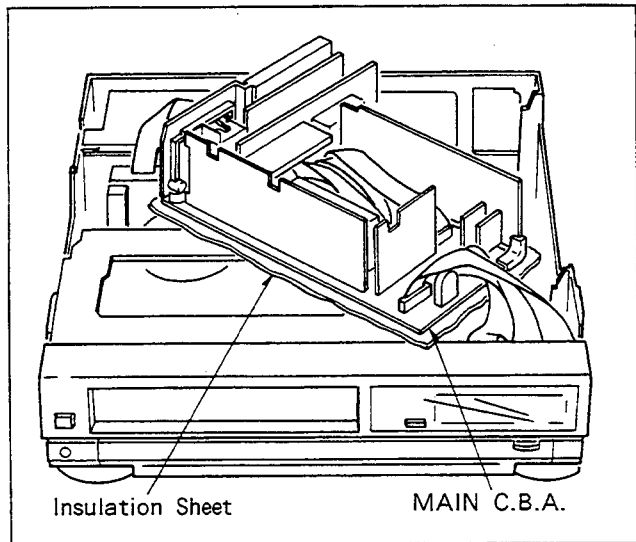


Fig. D7

7. REMOVAL OF THE CASSETTE COMPARTMENT

Remove the 2 screws (N) and for screw (S). Slide the cassette holder unit for appearing 2 screws (O) by turning (clockwise) the Capstan Rotor Unit (located in the bottom side as shown in Fig.D9) and remove the 2 screws (O). Remove the wire cable from connector P1508 mounted on Take-up Photo Tr. C.B.A., then carefully pull out the Cassette Compartment.

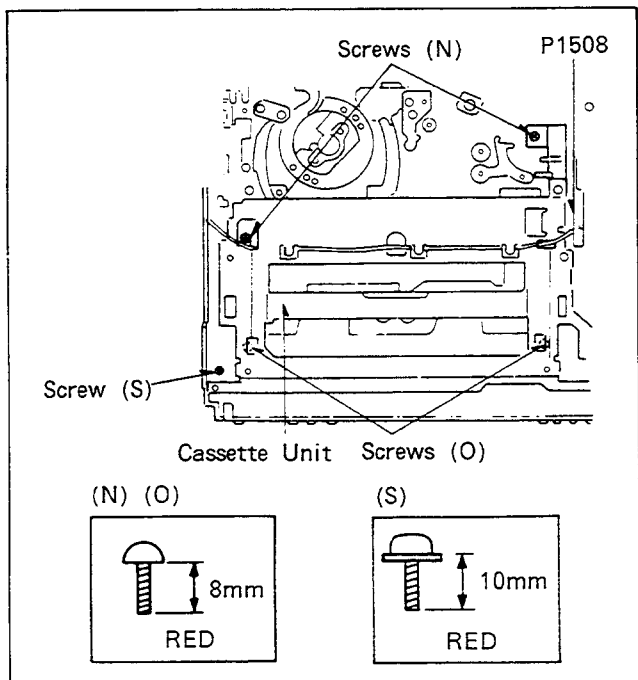


Fig. D8

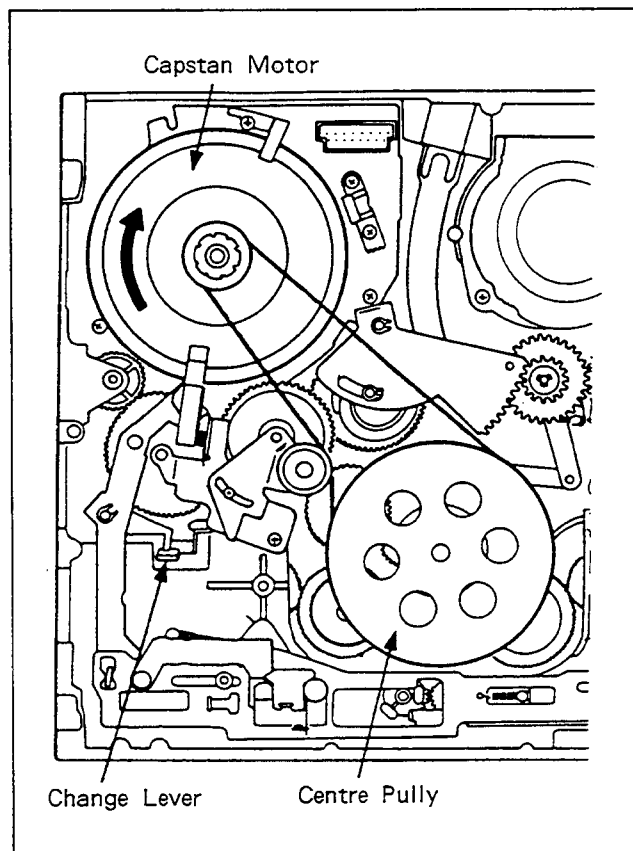


Fig. D9

NOTE:

When reinstalling the Cassette compartment, mechanical adjustment (alignment) must be performed for correct working. Refer to Service Manual. (G1 (G-Rev.) mechanical chassis) (Order No. VRD8901M101).

8. REMOVAL OF CLEANER ARM UNIT

1. Hook the Spring Arm (P) to lower side of Hook (Q).
2. Unlock the locking portion (R) and then remove the Cleaner Arm Unit.

NOTE:

- (1) Perform the steps in the reverse order when Assembling.
- (2) When replacing Upper Cylinder, replace Cleaner Arm at the same time.

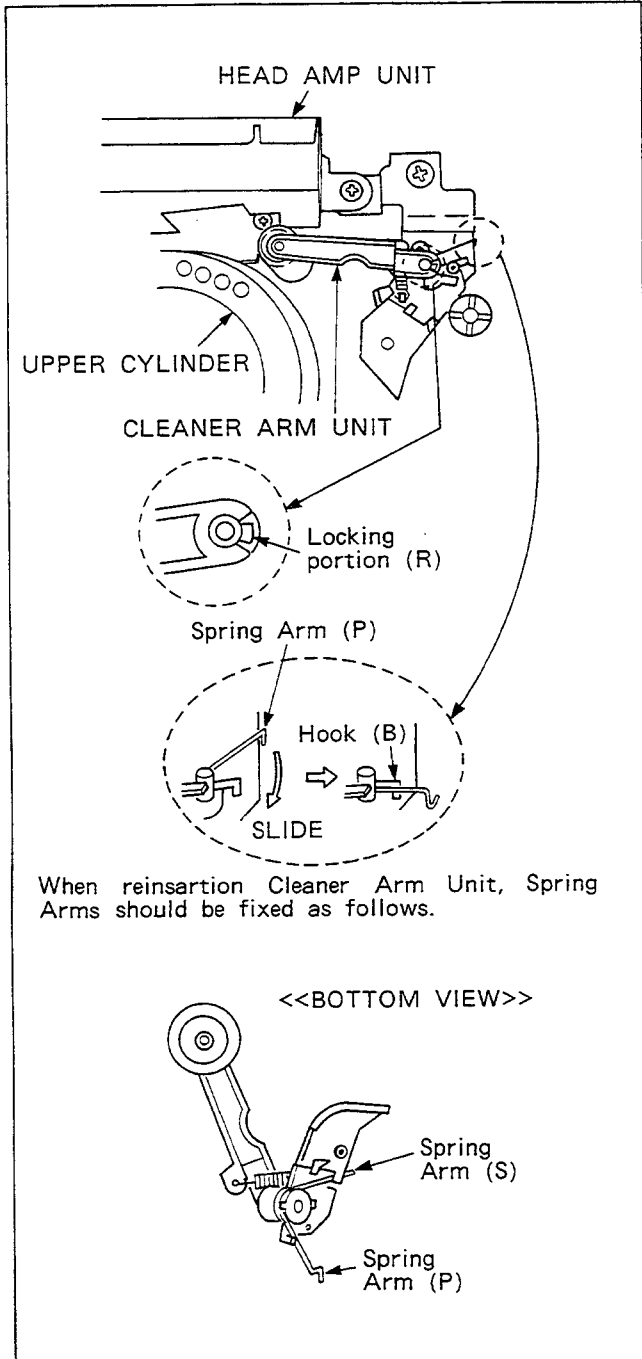


Fig. D10

2-2. MECHANICAL ADJUSTMENT PROCEDURES

This mechanical chassis of these model NV-J40EG/B/EI/EO/EV is the same as G1(G-Rev.) Mechanical Chassis. Therefore please refer to the Service Manual G1 (G-Rev.) Mechanical Chassis (Order No. VRD8901M101).

2-2-1. TAPE INTERCHANGEABILITY ADJUSTMENT

CAUTIONS:

Make a Adjustment Mode as shown in Fig. M1 (Connect a Cut Jumper Wire.)

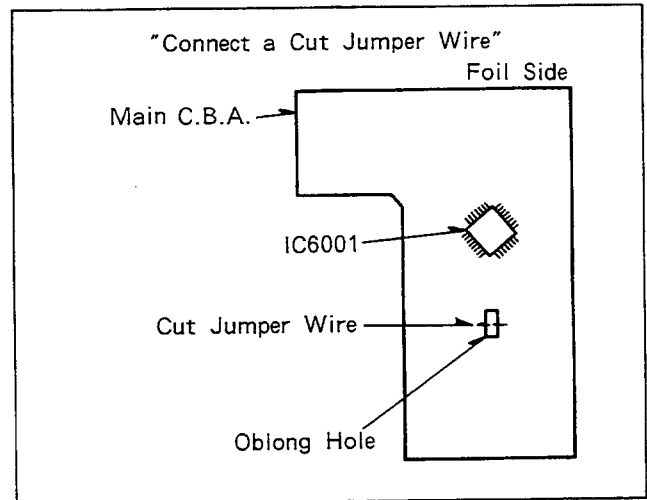
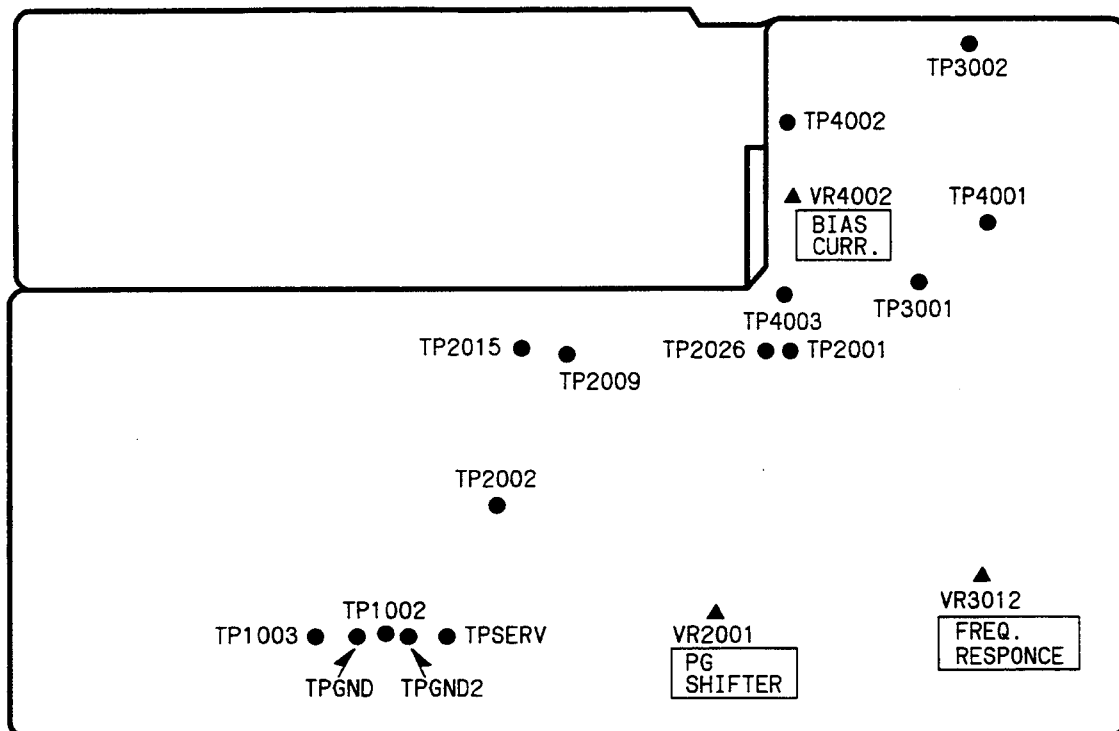


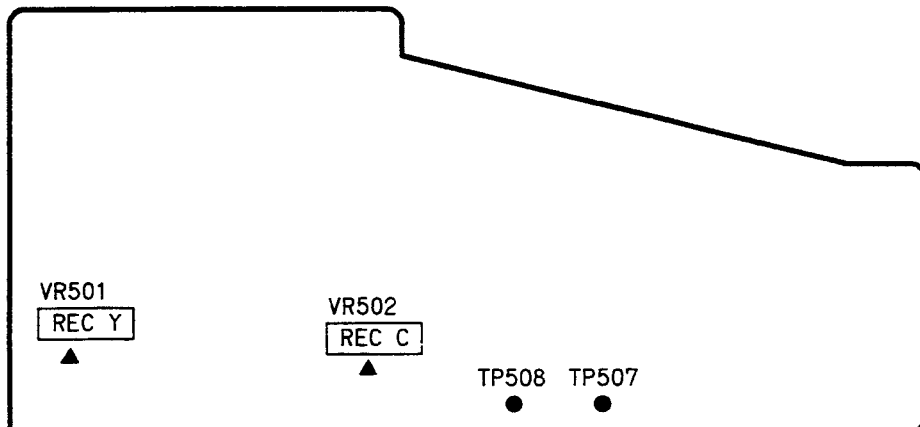
Fig. M1 Adjustment Mode

LOCATION OF TEST POINTS & CONTROLS

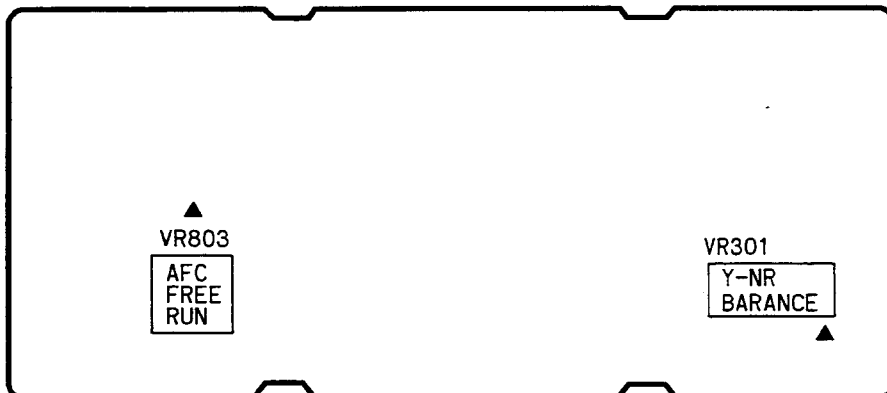
MAIN C.B.A.



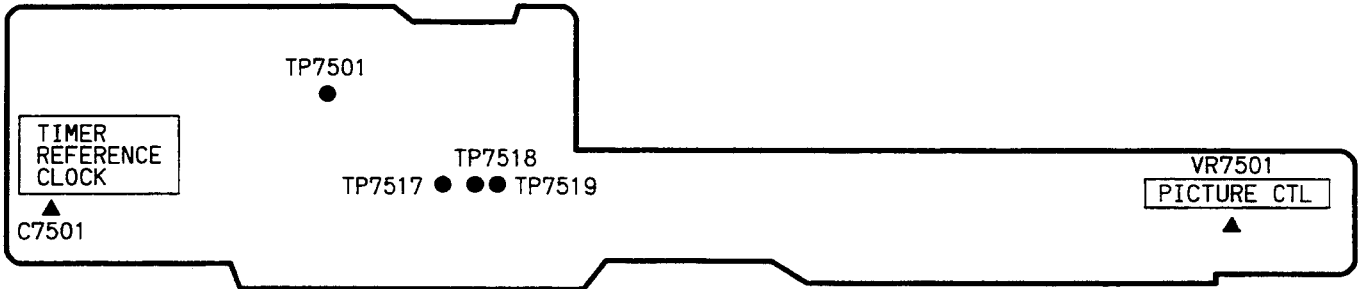
HEAD AMP C.B.A.



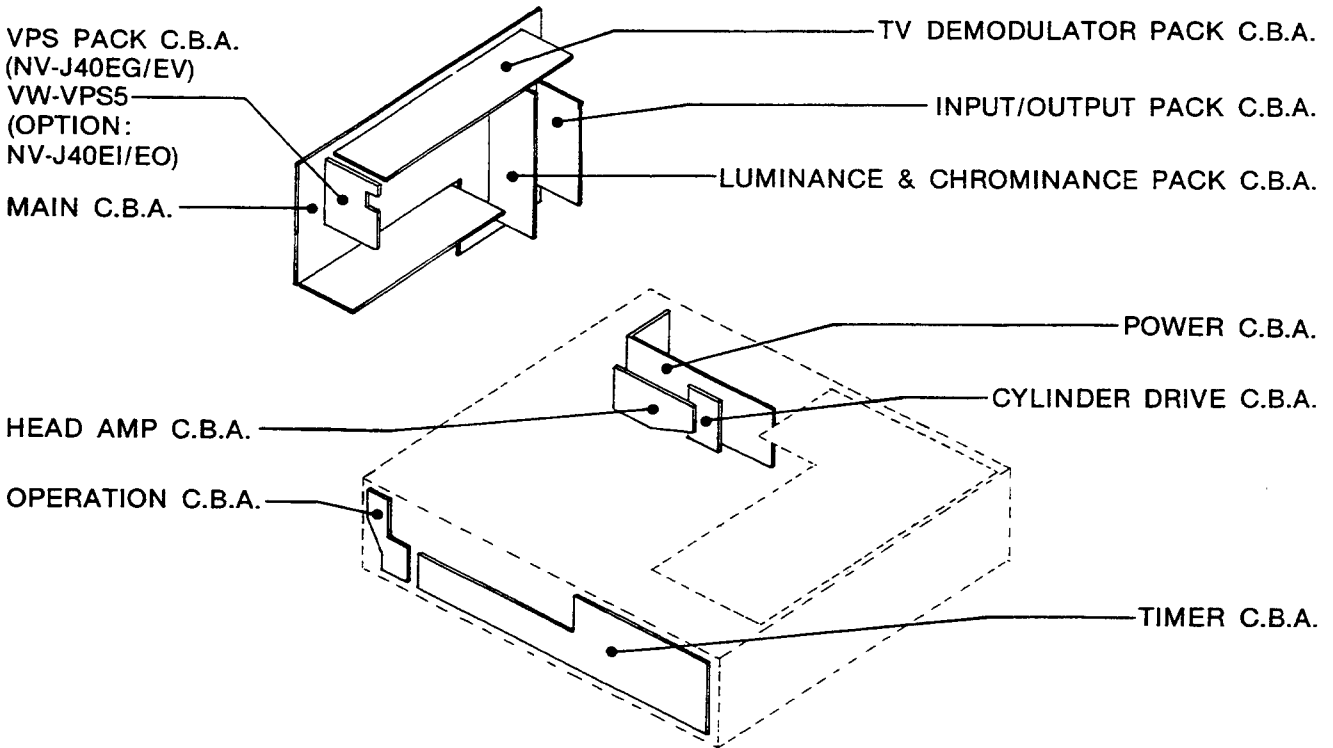
LUMINANCE & CHROMINANCE PACK C.B.A.



TIMER C.B.A.



CIRCUIT BOARD LAYOUT



2-3. ELECTRICAL ADJUSTMENT PROCEDURES

This section provides complete electrical adjustment procedures which may be required for electric circuits of VHS Video Cassette Recorders.

2-3-1. TEST EQUIPMENTS

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

1. Dual-Trace Oscilloscope. (Mode than 35 MHz)
Voltage Range: 0.005-5V/div
Frequency Range: DC-35MHz
Probes: 10:1
2. Frequency Counter.
Frequency Range: 0-10MHz
Probes: 1:1
3. Universal Counter.
4. Vacuum Tube Volt Meter. (V.T.V.M.)
5. Video Sweep Generator.
6. Sine Wave Generator.
7. Video Pattern Generator.
8. VHS Alignment Tape. (VFJ8125H3F)
9. VHS Blank Tape.
10. Monitor.
11. Plastic Tip Driver.

2-3-2. PREPARATION

During adjustments, set each selector as follows when no indication on each procedures.

PICTURE VR.....Centre Fix
NOISE FILTER EDIT SW.....OFF
TEST SIGNAL SW(REAR).....OFF

2-3-3. HOW TO READ ADJUSTMENT PROCEDURES

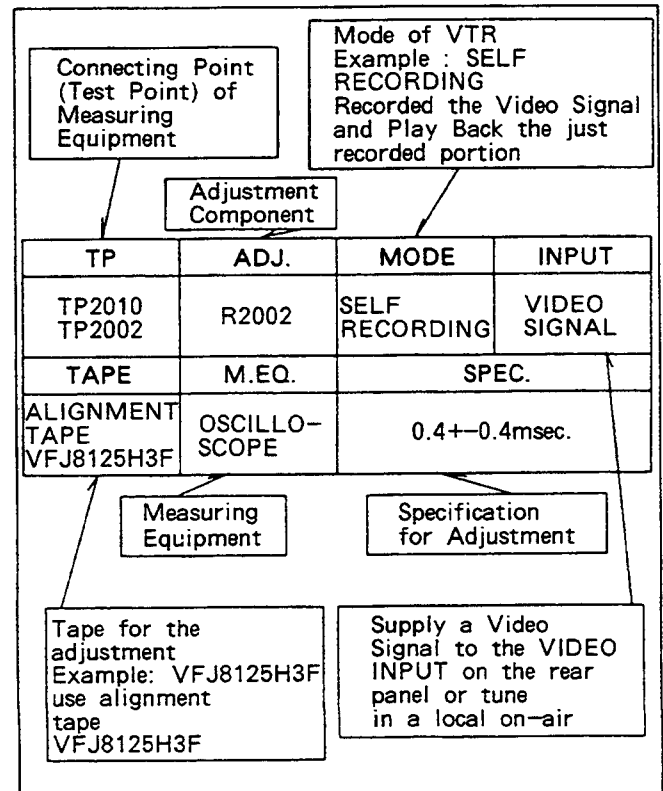


Fig. E1

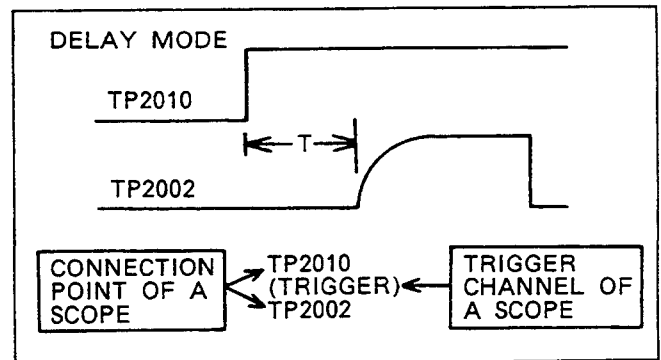


Fig. E2

SERVO SECTION

2-3-4. PG SHIFTER ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP2001 TP3002	VR2001	PLAYBACK	X
TAPE	M. EQ.	SPEC.	
ALIGNMENT TAPE VFJ8125H3F	OSCILLO- SCOPE	6.5±0.5(H)	

1. Connect the oscilloscope to TP2001(H.SW) and TP3002(V.OUT).
2. Playback the alignment tape.
3. Adjust VR2001 so that phase difference between falling edge of Head SW pulse and V-Sync becomes 6.5±0.5(H).

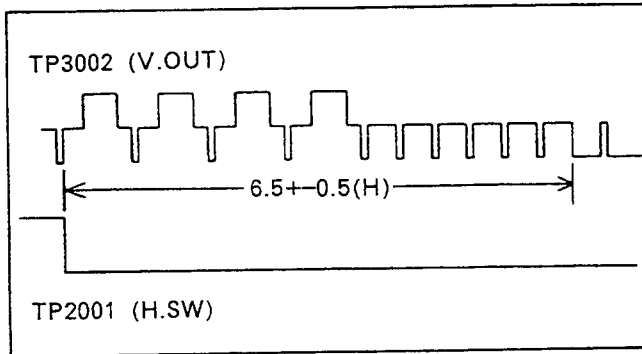


Fig. E3

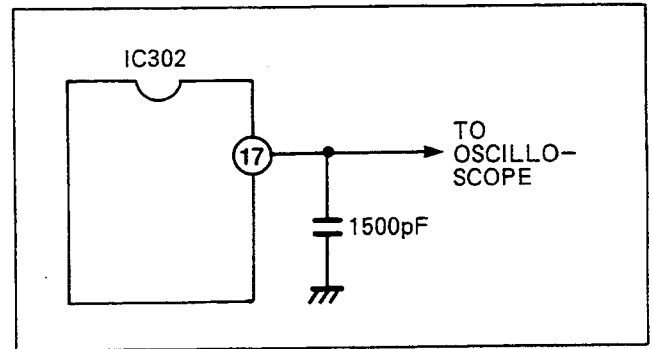


Fig. E4

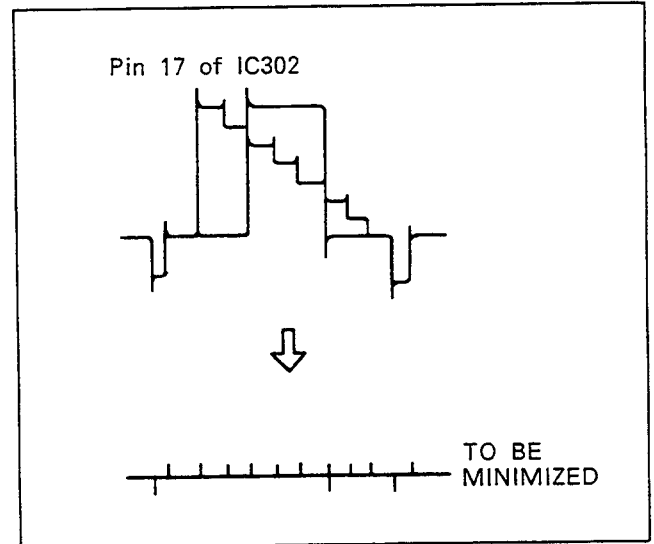


Fig. E5

LUMINANCE & CHROMINANCE SECTION

2-3-5. Y-NR BALANCE ADJUSTMENT

TP	ADJ.	MODE	INPUT
PIN (17) of IC302	VR301	RECORDING	COLOUR BAR
TAPE	M. EQ.	SPEC.	
BLANK TAPE	OSCILLO- SCOPE	MINIMIZED AS POSSIBLE (Less than 50mVp-p)	

Note:

Connect the capacitor 1500pF between Pin 17 of IC302 and GND.

1. Record the colour bar.
2. Connect the oscilloscope to Pin 17 of IC302.
3. Adjust VR301 so that the amplitude at Pin 17 of IC302 becomes minimum.

2-3-6. ARTIFICIAL PAL AFC FREE RUN ADJSUTMENT (NV-J40B)

TP	ADJ.	MODE	INPUT
PIN (9) of IC801	VR803	STOP	SINEWAVE 8KHz -10dB (316mV)
TAPE	M. EQ.	SPEC.	
X	FREQUENCY COUNTER SINEWAVE GENERATOR	15735±100(Hz)	

Note:

Supply +5V DC to Pin 15 of IC801.

1. Supply the sinewave (8KHz/-10dB) to Line In. (Video In)
2. Connect the frequency counter to Pin 9 of IC801.
3. Turn VR803 to end of direction which is maximum frequency side.
4. Adjust VR803 so that the frequency becomes 15735±100(Hz).

2-3-7. RECORDING CURRENT ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP507(HOT) TP508(GND)	VR501(Y) VR502(C)	RECORDING	COLOUR BAR
TAPE	M. EQ.	SPEC.	
BLANK TAPE	OSCILLO- SCOPE	Y: 130 ± 5 (mVp-p) C: 32 ± 2 (mVp-p)	

1. Record the colour bar.
2. Connect the oscilloscope to TP507(HOT) and TP508(GND).
3. Supply +5V DC to Pin 6 of Luminance & Chrominance Pack C.B.A. to reduce luminance component.
4. Adjust VR502 so that the amplitude of Cyan becomes 32 ± 2 mVp-p.
5. Adjust VR501 so that the amplitude of sync tip portion becomes 130 ± 5 mVp-p.

NOTE:
Before "Luminance Recording Current Adjustment", "Chrominance Recording Current Adjustment" must be completed.

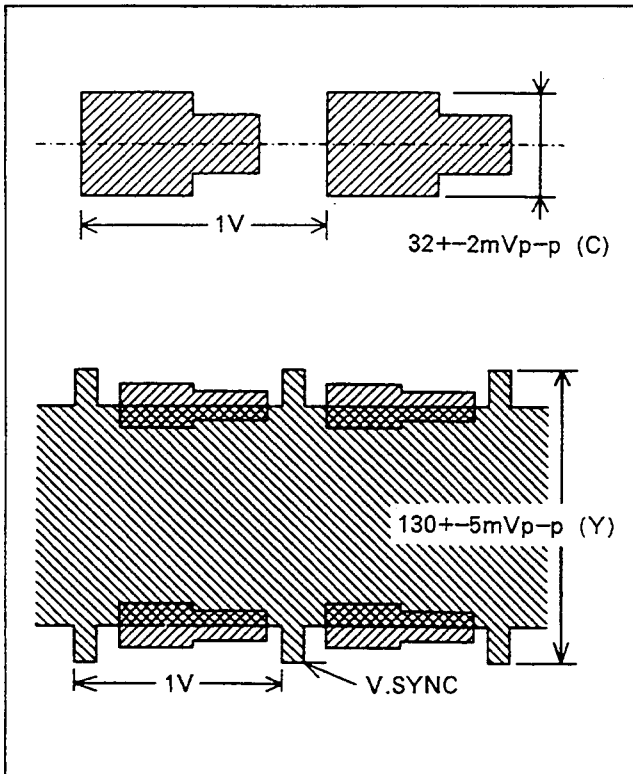


Fig. E6

2-3-8. VIDEO FREQUENCY RESPONSE ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP3002	VR3012	(SELF RECORDED) PLAYBACK	VIDEO SWEEP SIGNAL
TAPE	M. EQ.	SPEC.	
BLANK TAPE	OSCILLO- SCOPE VIDEO SWEEP GENERATOR	0 ± 1 (dB) (90~100%)	

Note:
Set the Video Sweep Signal as shown in Fig.E7.

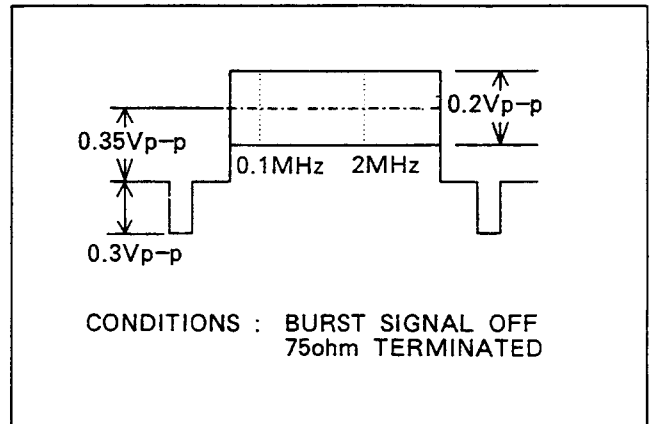


Fig. E7

1. Record the Video Sweep Signal for few time and playback the just recorded portion.
2. Connect the oscilloscope to TP3002.
3. Adjust VR3012 so that the frequency response becomes 0 ± 1 dB on 2MHz portion compare with 0.1MHz portion.

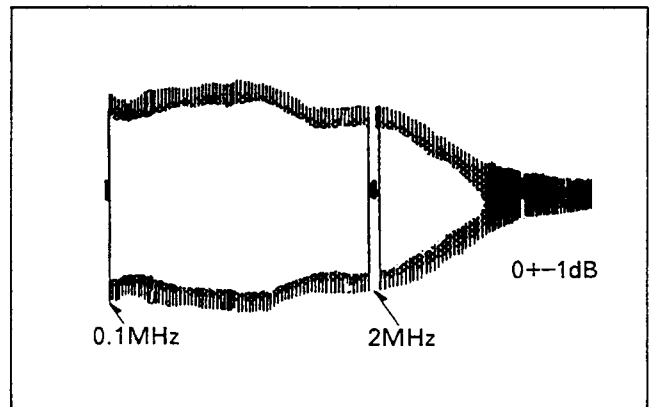


Fig.E8

AUDIO SECTION

2-3-9. BIAS CURRENT ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP4002 (HOT) TP4003 (GND)	VR4002	RECORDING	
TAPE	M. EQ.	SPEC.	
BLANK TAPE	V.T.V.M.	3.0+ \pm 0.1(mVrms)	

Note:

Connect the Audio input and GND.

1. Place the unit in recording mode.
2. Connect the V.T.V.M. to TP4002(HOT) and TP4003(GND).
3. Adjust VR4002 so that reading of V.T.V.M. becomes 3.0+ \pm 0.1mVrms.

TIMER SECTION

2-3-10. TIMER REFERENCE CLOCK ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP7501	C7501	STOP	
TAPE	M. EQ.	SPEC.	
	UNIVERSAL COUNTER	7812.5+ \pm 0.015(us)	

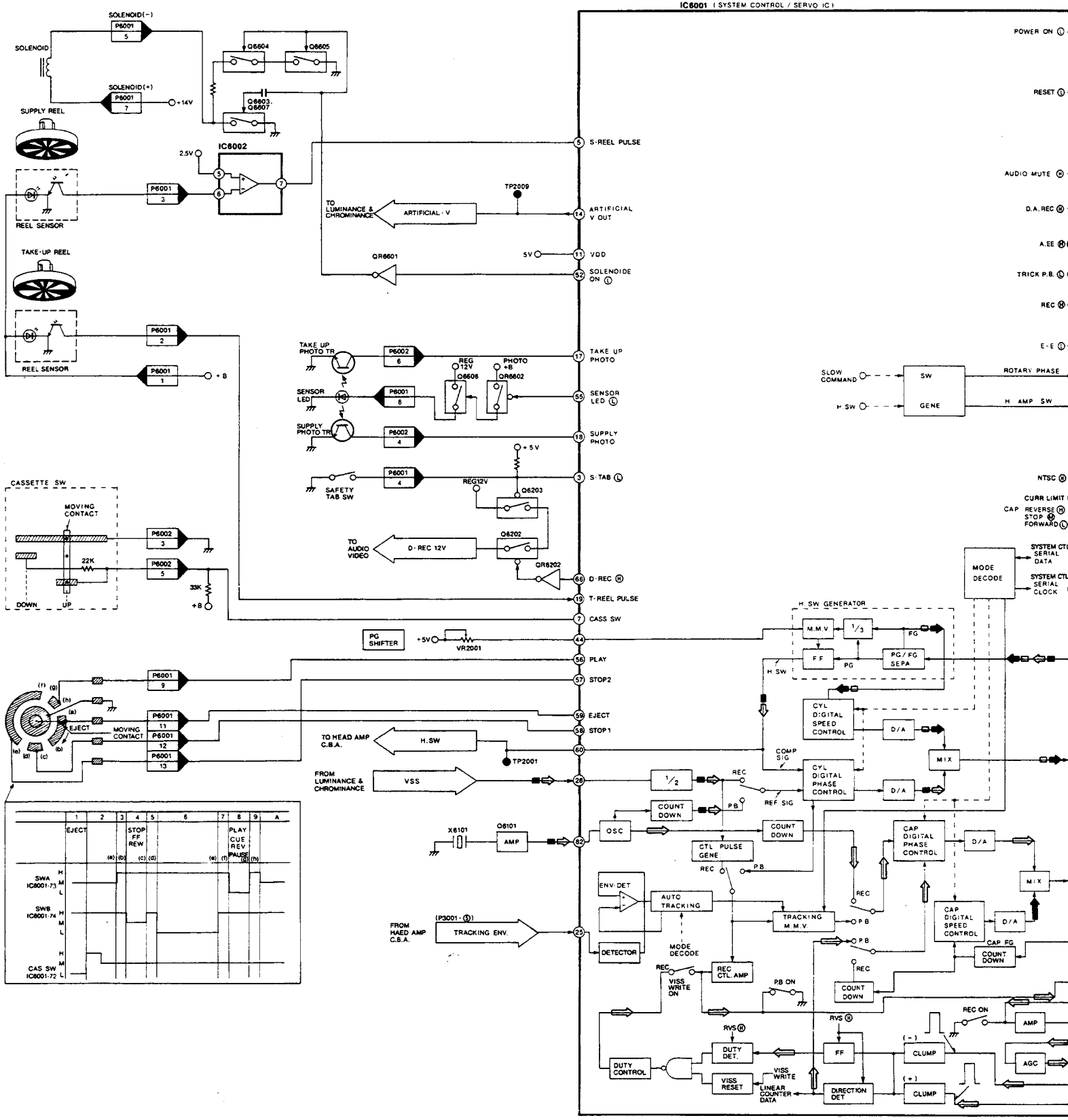
1. Connect the universal counter to TP7501.
2. Adjust C7501 so that the reading of universal counter becomes 7812.5+ \pm 0.015us.

SECTION 3

BLOCK DIAGRAMS & SCHEMATIC DIAGRAMS

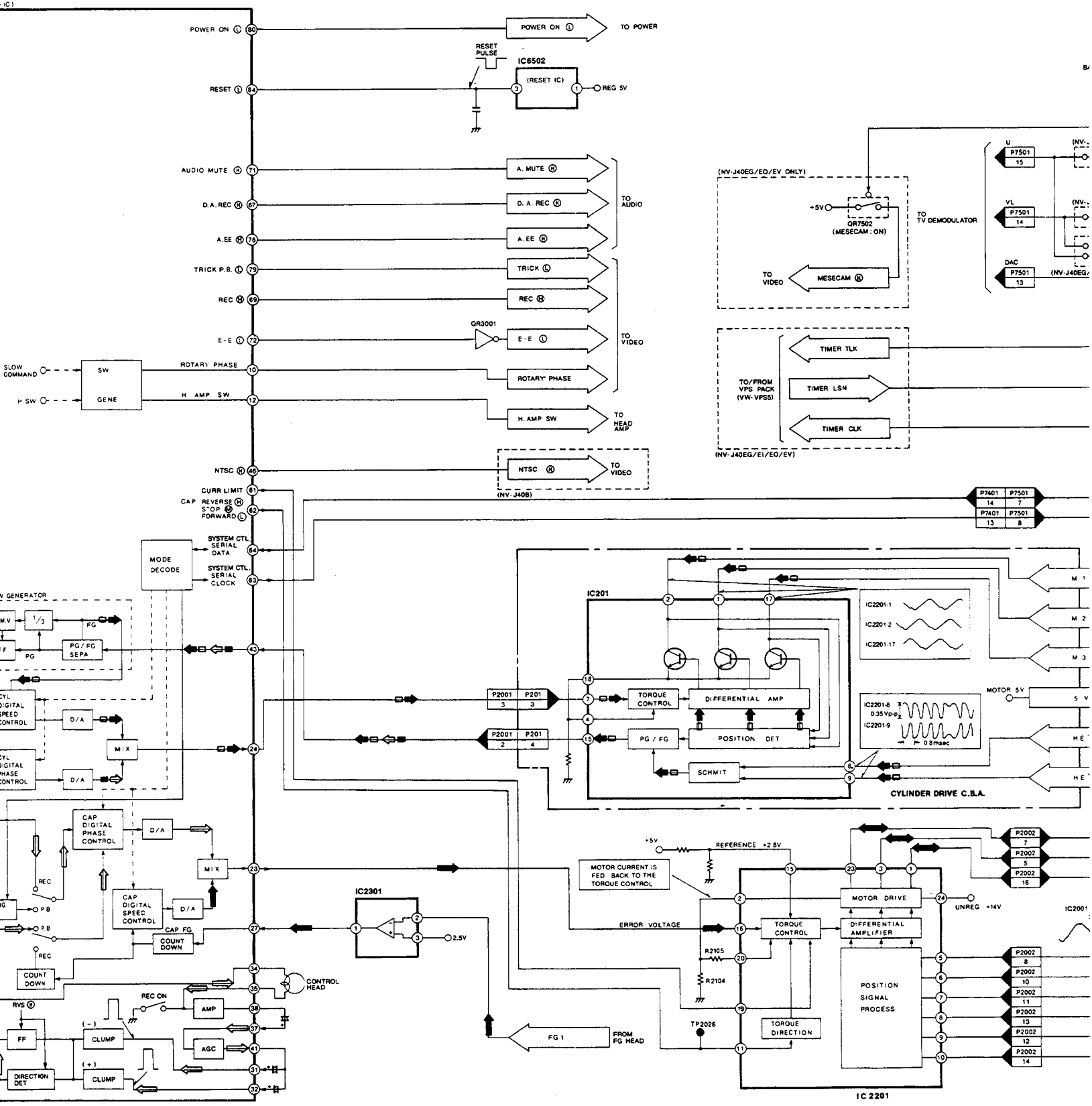
3-1. SYSTEM CONTROL & SERVO BLOCK DIAGRAM

← CAPSTAN SERVO
← CAPSTAN SERVO

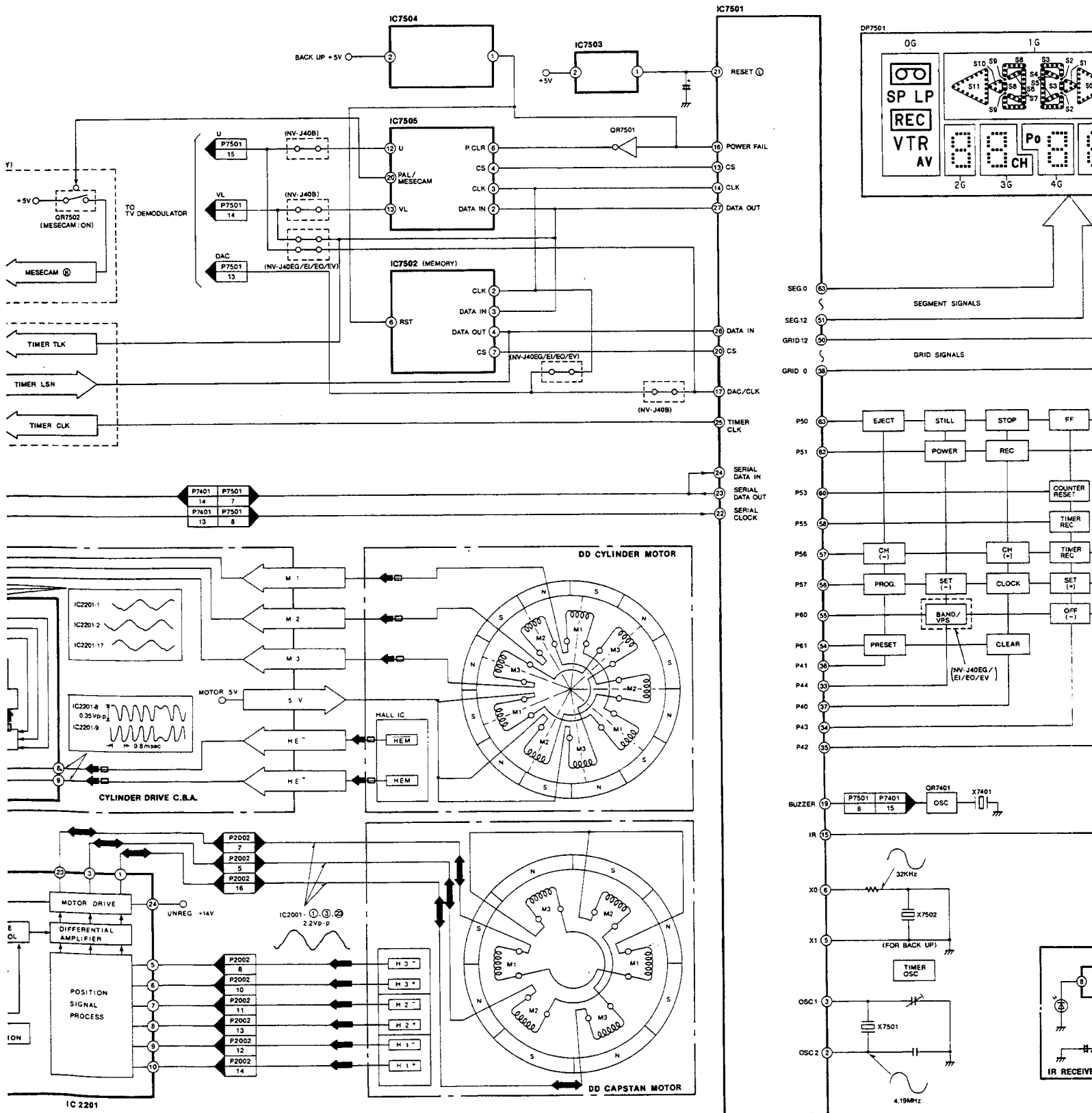


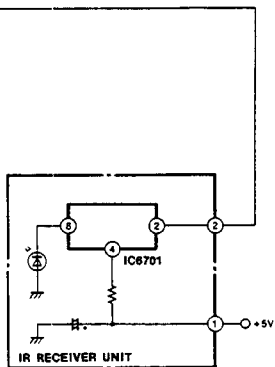
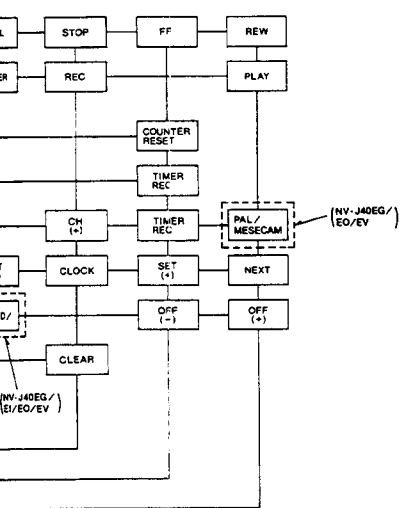
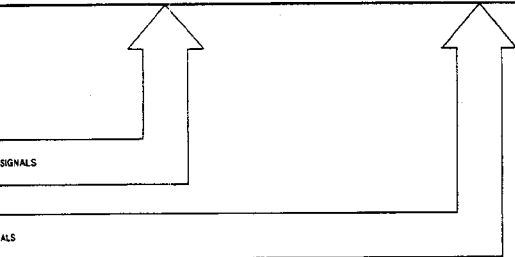
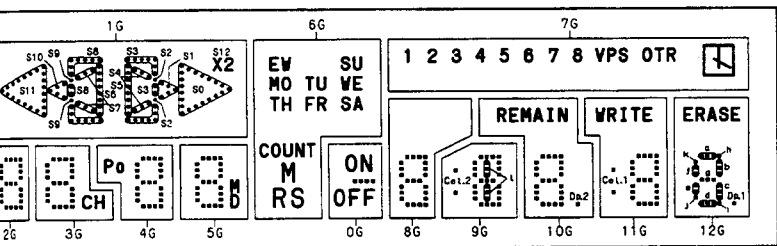
← CAPSTAN SERVO SPEED LOOP
 ← CAPSTAN SERVO PHASE LOOP

← CYLINDER SERVO SPEED LOOP
 ← CYLINDER SERVO PHASE LOOP



LOOP
LOOP

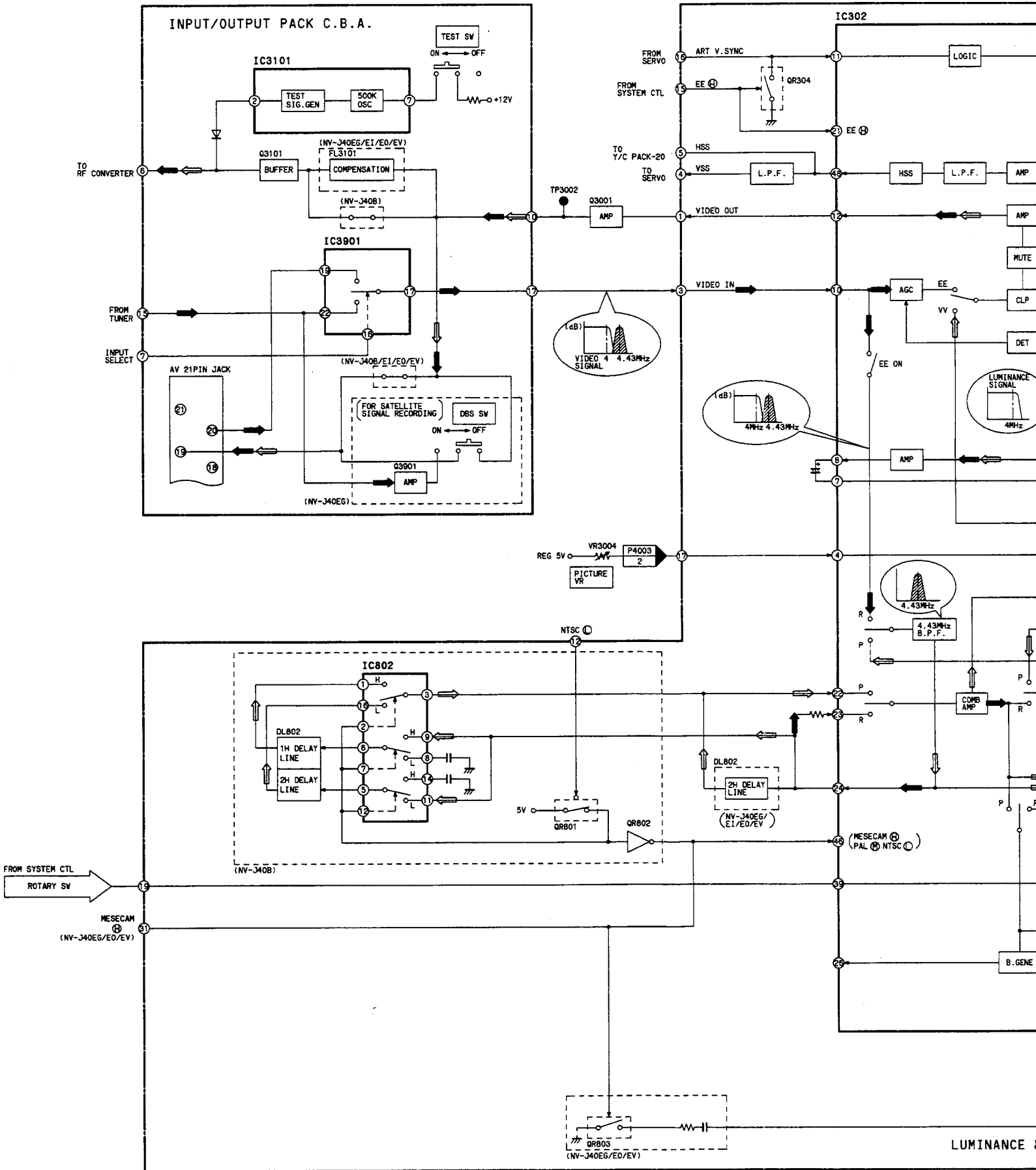


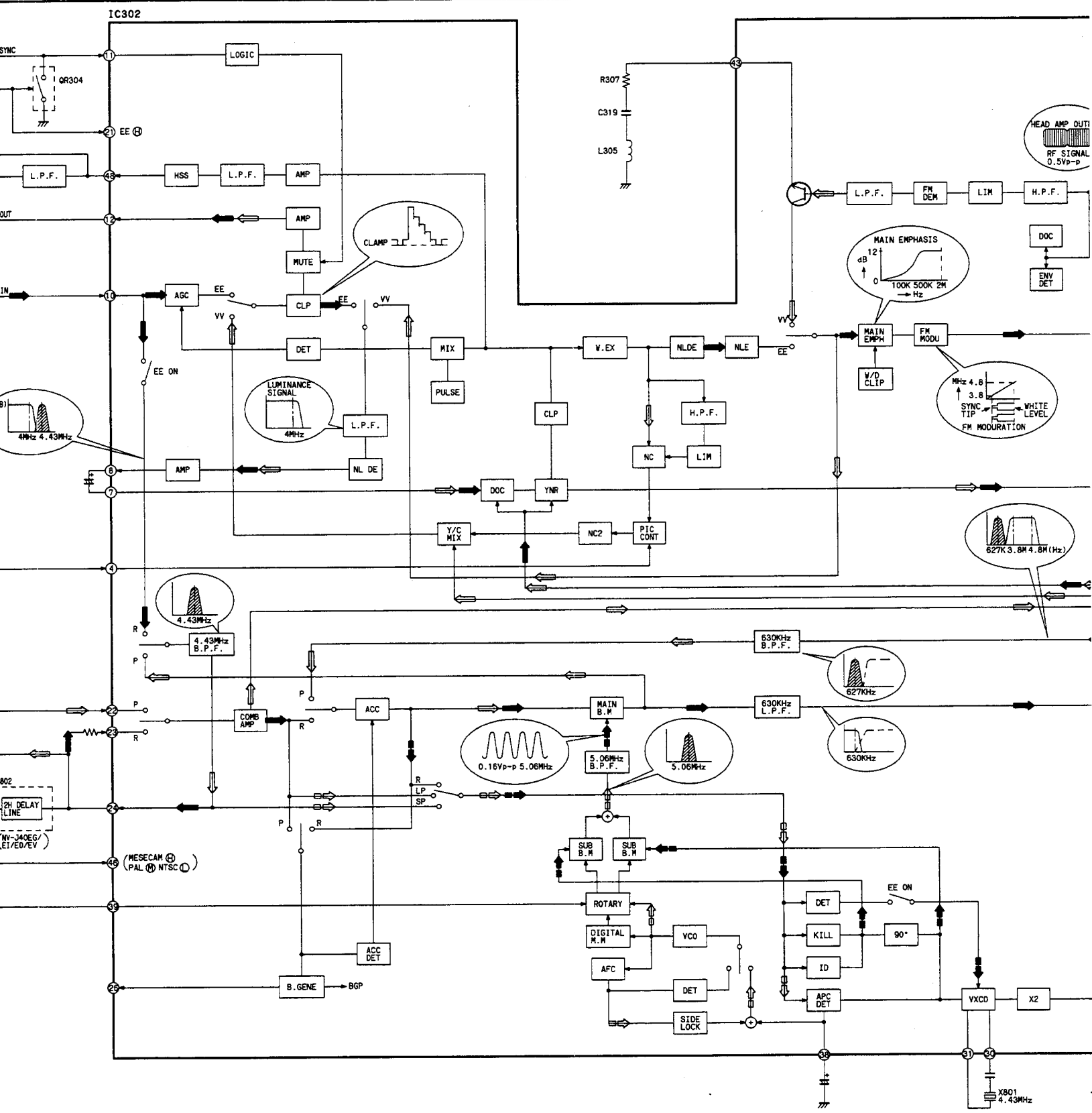


SYMBOL		TRUTH VALUE TABLE																							
INVERTER 		<table border="1"> <tr> <td>IN</td> <td>(a)</td> <td>H</td> <td>L</td> <td></td> </tr> <tr> <td>OUT</td> <td>(b)</td> <td>L</td> <td>H</td> <td></td> </tr> </table>				IN	(a)	H	L		OUT	(b)	L	H											
IN	(a)	H	L																						
OUT	(b)	L	H																						
COMPARTOR 		<table border="1"> <tr> <td>IN</td> <td>(a)</td> <td>(a) > (b)</td> <td>(a) < (b)</td> <td></td> </tr> <tr> <td></td> <td>(b)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>OUT</td> <td>(c)</td> <td>H</td> <td>L</td> <td></td> </tr> </table>				IN	(a)	(a) > (b)	(a) < (b)			(b)				OUT	(c)	H	L						
IN	(a)	(a) > (b)	(a) < (b)																						
	(b)																								
OUT	(c)	H	L																						
AND CIRCUIT 		<table border="1"> <tr> <td>IN</td> <td>(a)</td> <td>L</td> <td>L</td> <td>H</td> <td>H</td> </tr> <tr> <td></td> <td>(b)</td> <td>L</td> <td>H</td> <td>L</td> <td>H</td> </tr> <tr> <td>OUT</td> <td>(c)</td> <td>L</td> <td>L</td> <td>L</td> <td>H</td> </tr> </table>				IN	(a)	L	L	H	H		(b)	L	H	L	H	OUT	(c)	L	L	L	H		
IN	(a)	L	L	H	H																				
	(b)	L	H	L	H																				
OUT	(c)	L	L	L	H																				
OR CIRCUIT 		<table border="1"> <tr> <td>IN</td> <td>(a)</td> <td>L</td> <td>L</td> <td>H</td> <td>H</td> </tr> <tr> <td></td> <td>(b)</td> <td>L</td> <td>H</td> <td>L</td> <td>H</td> </tr> <tr> <td>OUT</td> <td>(c)</td> <td>L</td> <td>H</td> <td>H</td> <td>H</td> </tr> </table>				IN	(a)	L	L	H	H		(b)	L	H	L	H	OUT	(c)	L	H	H	H		
IN	(a)	L	L	H	H																				
	(b)	L	H	L	H																				
OUT	(c)	L	H	H	H																				
THREE STATES BUFFER 		<table border="1"> <tr> <td>IN</td> <td>(a)</td> <td>H</td> <td>L</td> <td>H or L</td> </tr> <tr> <td></td> <td>(b)</td> <td>L</td> <td>L</td> <td>H</td> </tr> <tr> <td>OUT</td> <td>(c)</td> <td>H</td> <td>L</td> <td>※</td> </tr> </table> <p>※ High Impedance</p>				IN	(a)	H	L	H or L		(b)	L	L	H	OUT	(c)	H	L	※					
IN	(a)	H	L	H or L																					
	(b)	L	L	H																					
OUT	(c)	H	L	※																					
TR. SW (NPN TYPE) 		<table border="1"> <tr> <td>BASE</td> <td>H</td> <td>L</td> <td></td> </tr> <tr> <td>TR. SW</td> <td>ON</td> <td>OFF</td> <td></td> </tr> </table>				BASE	H	L		TR. SW	ON	OFF													
BASE	H	L																							
TR. SW	ON	OFF																							
TR. SW (PNP TYPE) 		<table border="1"> <tr> <td>BASE</td> <td>H</td> <td>L</td> <td></td> </tr> <tr> <td>TR. SW</td> <td>OFF</td> <td>ON</td> <td></td> </tr> </table>				BASE	H	L		TR. SW	OFF	ON													
BASE	H	L																							
TR. SW	OFF	ON																							
R-S TYPE FLIP-FLOP 		<table border="1"> <tr> <td>IN</td> <td>(a)</td> <td>L</td> <td>L</td> <td>⌋</td> </tr> <tr> <td></td> <td>(b)</td> <td>L</td> <td>⌋</td> <td>L</td> </tr> <tr> <td>OUT</td> <td>(c)</td> <td>※</td> <td>L</td> <td>H</td> </tr> <tr> <td></td> <td>(d)</td> <td>◆</td> <td>H</td> <td>L</td> </tr> </table> <p>※ Initial condition is maintained. ◆ Initial condition is reversed.</p>				IN	(a)	L	L	⌋		(b)	L	⌋	L	OUT	(c)	※	L	H		(d)	◆	H	L
IN	(a)	L	L	⌋																					
	(b)	L	⌋	L																					
OUT	(c)	※	L	H																					
	(d)	◆	H	L																					

3-2. LUMINANCE & CHROMINANCE BLOCK DIAGRAM

← MAIN SIGNAL PATH IN REVERSE



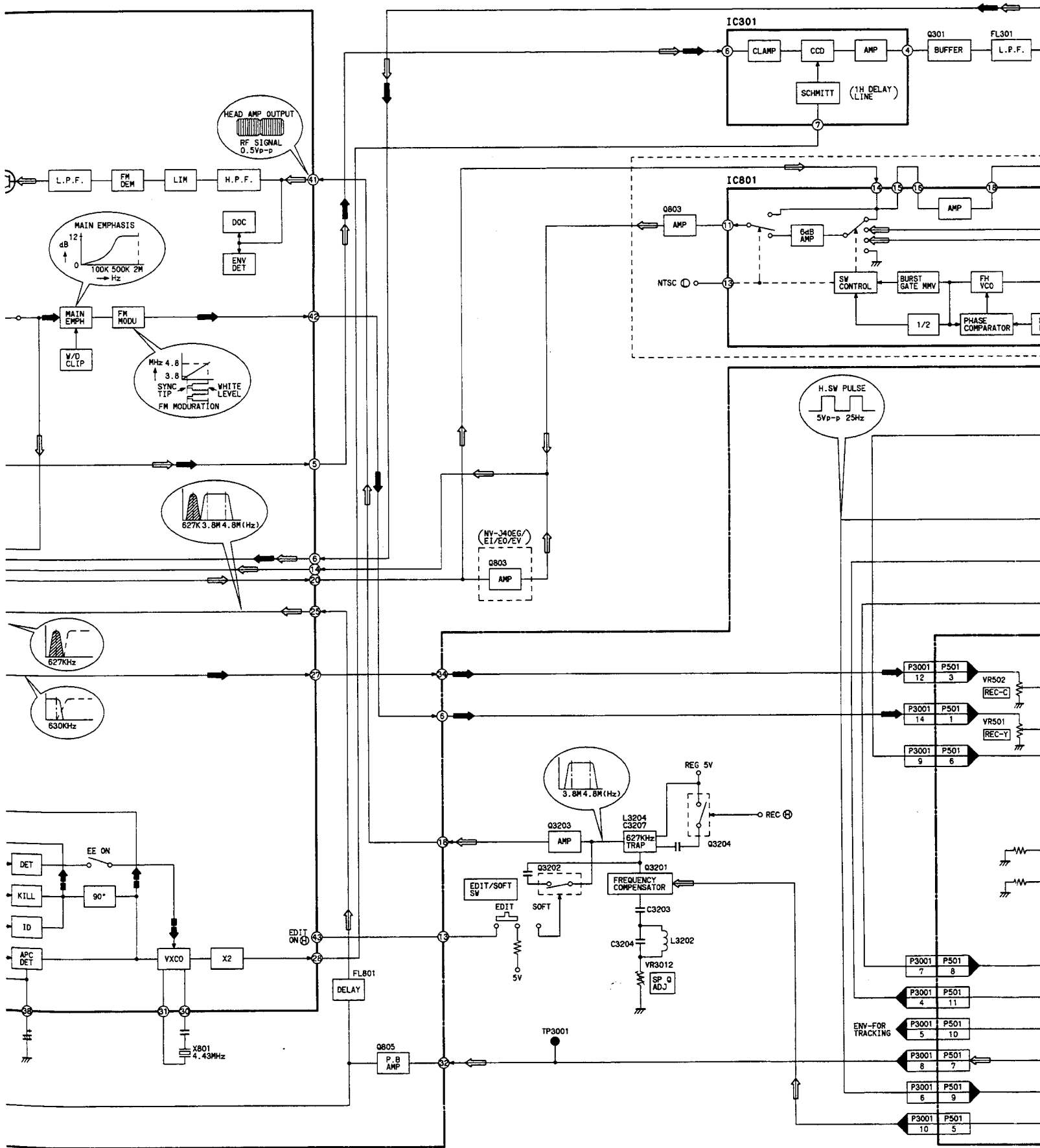


LUMINANCE & CHROMINANCE PACK C.B.A.

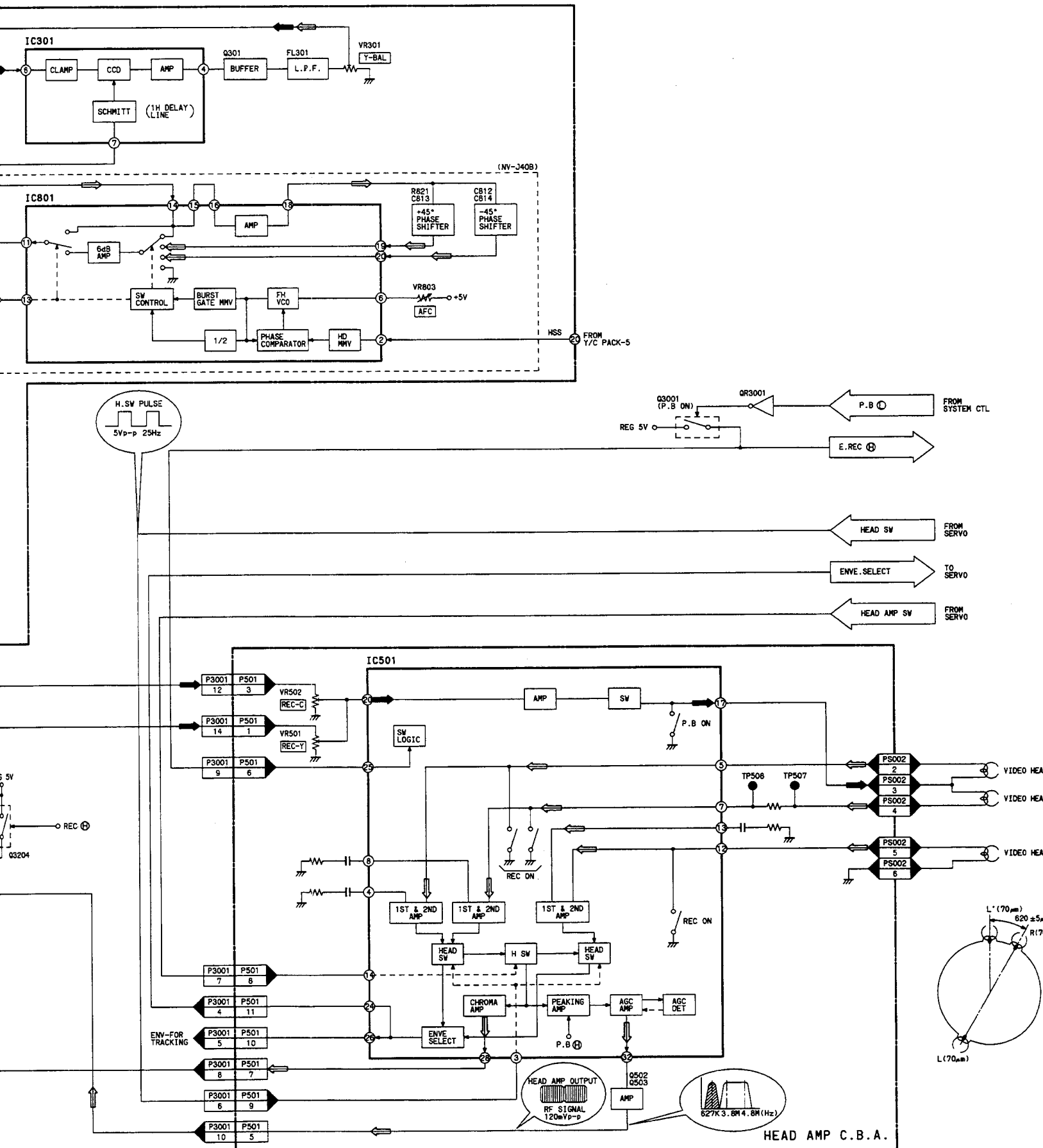
BACK MODE

5.06MHz PHASE ROTATIONAL SIGNAL IN REC MODE

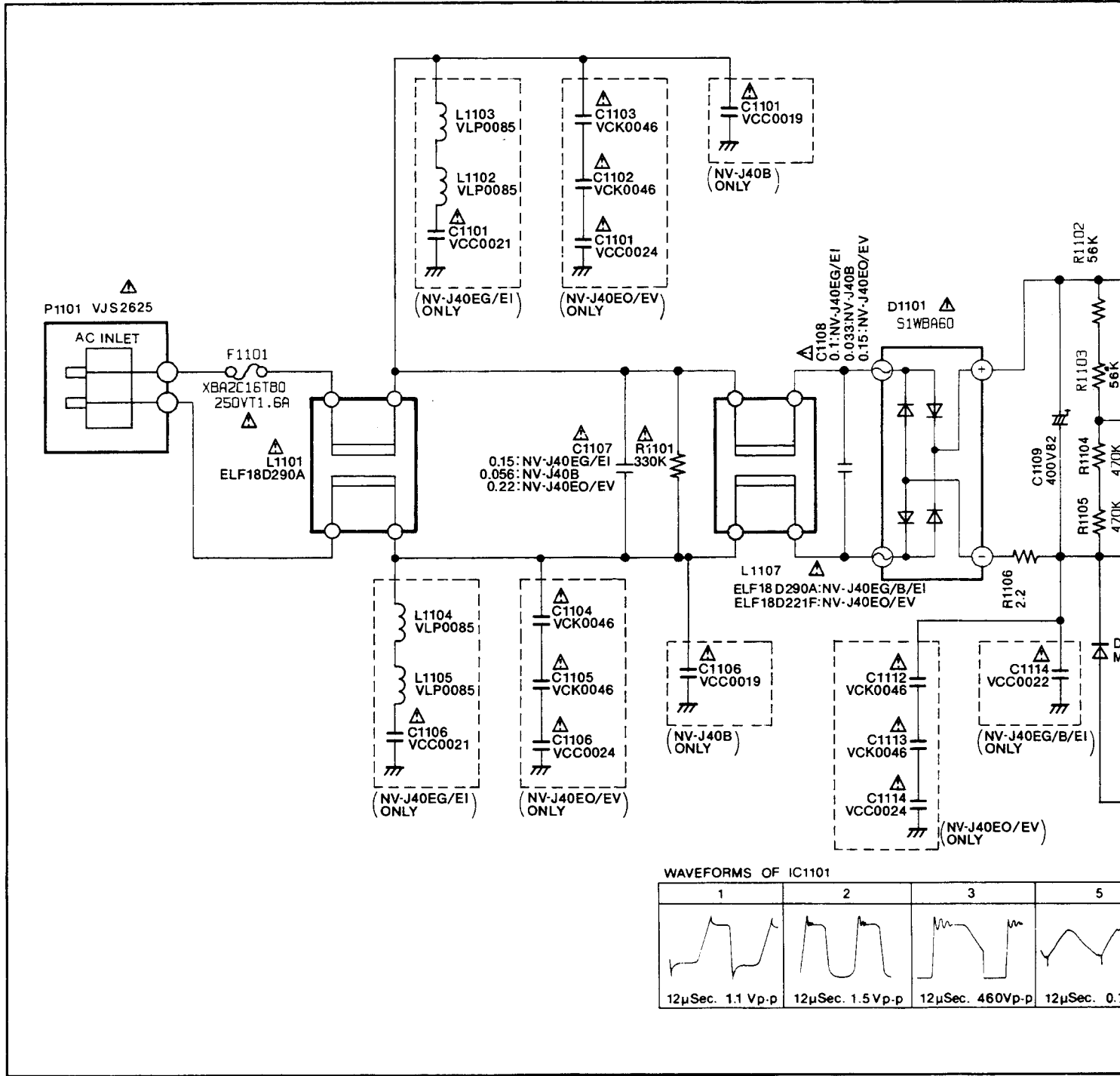
5.06MHz PHASE ROTATIONAL SIGNAL



MODE ← 5.06MHz PHASE ROTATIONAL SIGNAL IN PLAYBACK MODE



3. POWER SCHEMATIC DIAGRAM



NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

NOTE 1. WHEN MEASURE THE VOLTAGE OR WAVEFORM ON THE POWER TRANSFORMER CIRCUIT, SET THE GND TERMINAL OF MEASURING POINT AS FOLLOWS.

PRIMARY SIDE IC1101-(4)
SECONDARY SIDE TP GND OF MAIN C.B.A.

NOTE 2. THE DC VOLTAGE INDICATED IN PRIMARY SIDE IS SHOWN THE VOLTAGE WHEN INPUT AC IS 240V.

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

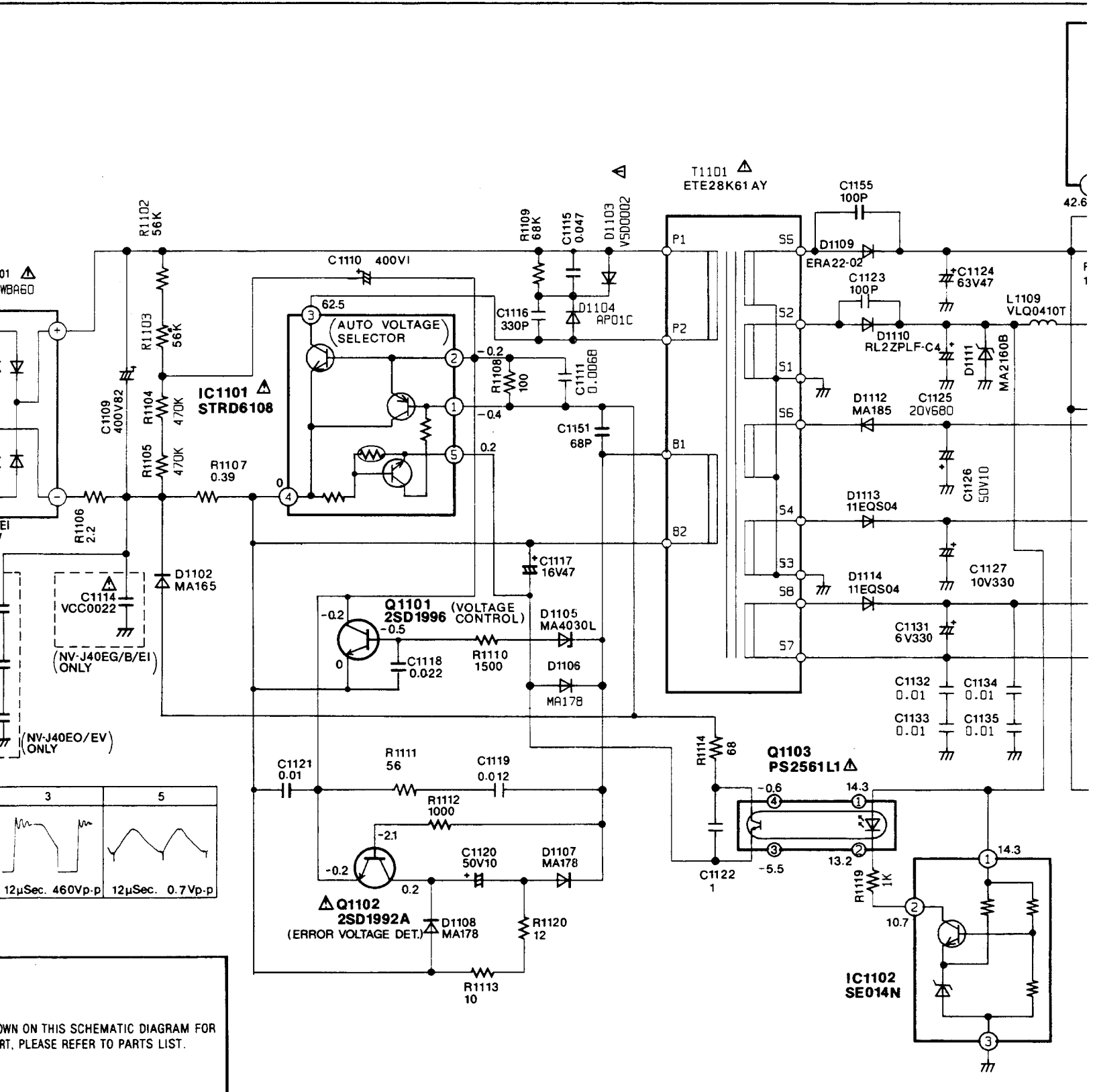
IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN HAVE SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY WHEN REPLACING ANY OF THESE COMPONENTS. USE ONLY THE SPECIFIED PARTS.

1

2

3

4

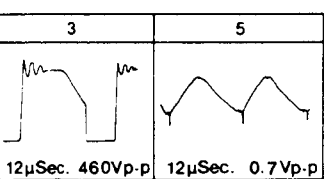


01
WBA60

EI

(NV-J40EG/B/EI)
ONLY

(NV-J40EO/EV)
ONLY



DOWN ON THIS SCHEMATIC DIAGRAM FOR
PART. PLEASE REFER TO PARTS LIST.

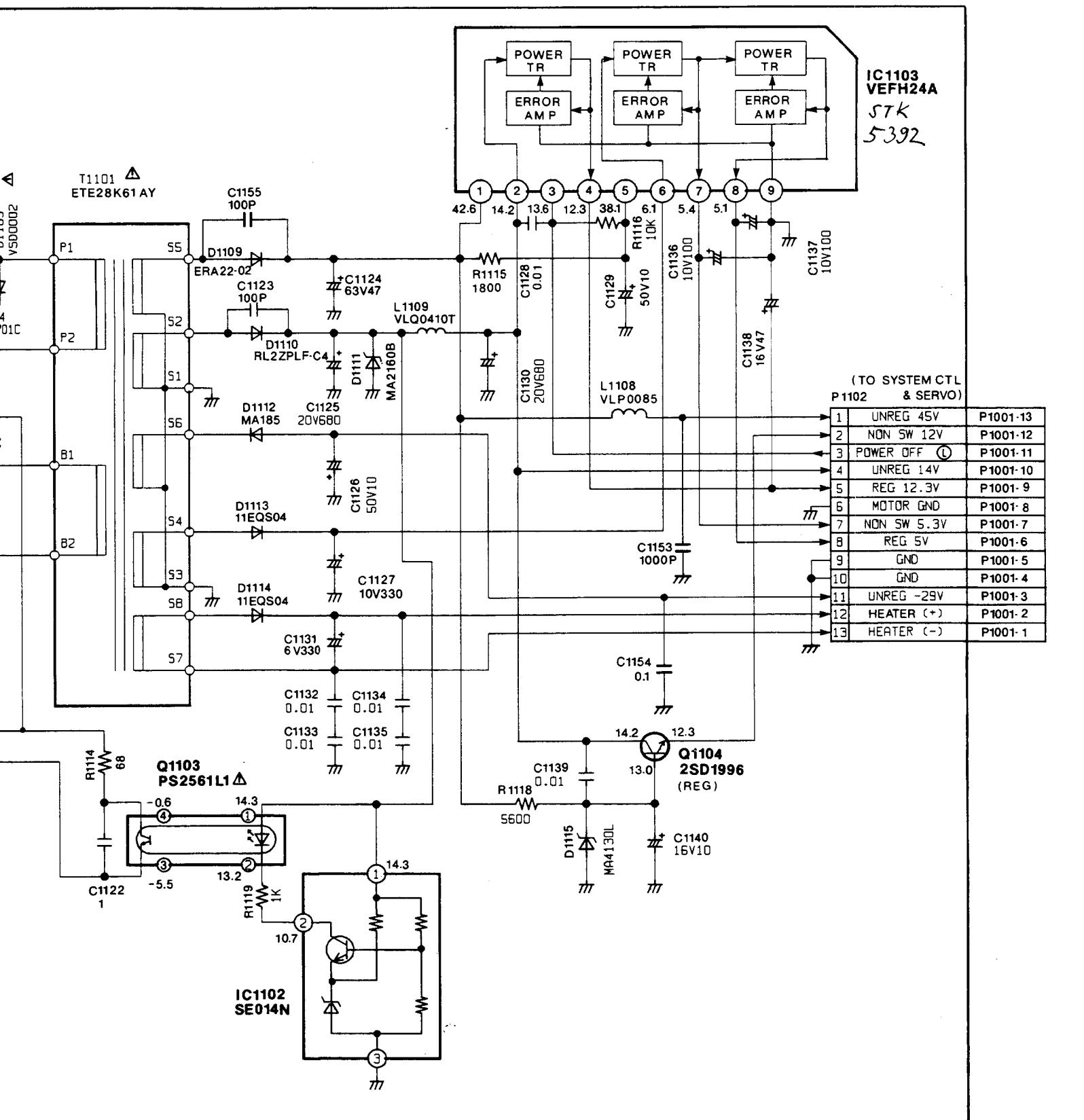
SPECIAL CHARACTERISTICS
OF THESE COMPONENTS. USE ONLY

4

5

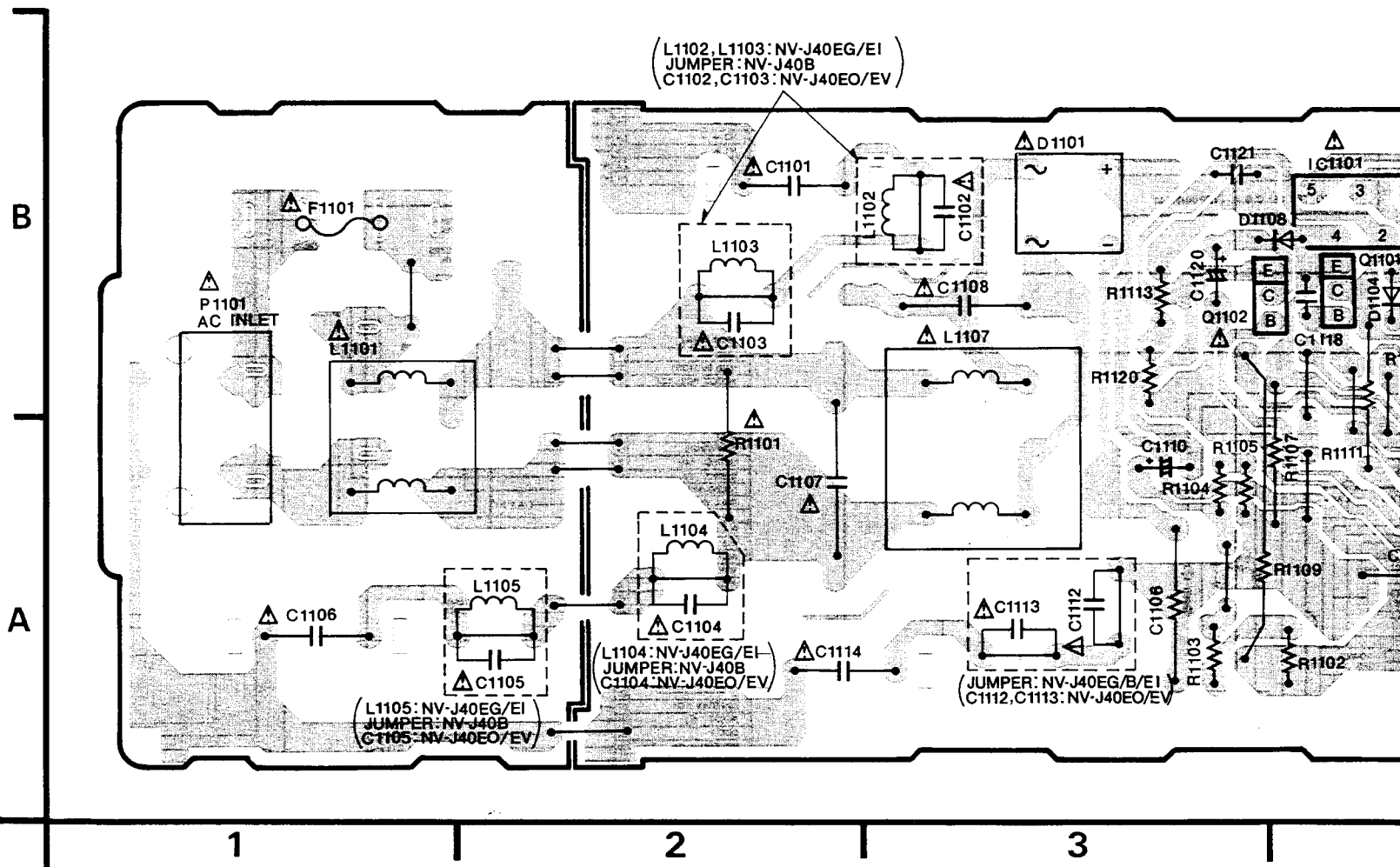
6

7



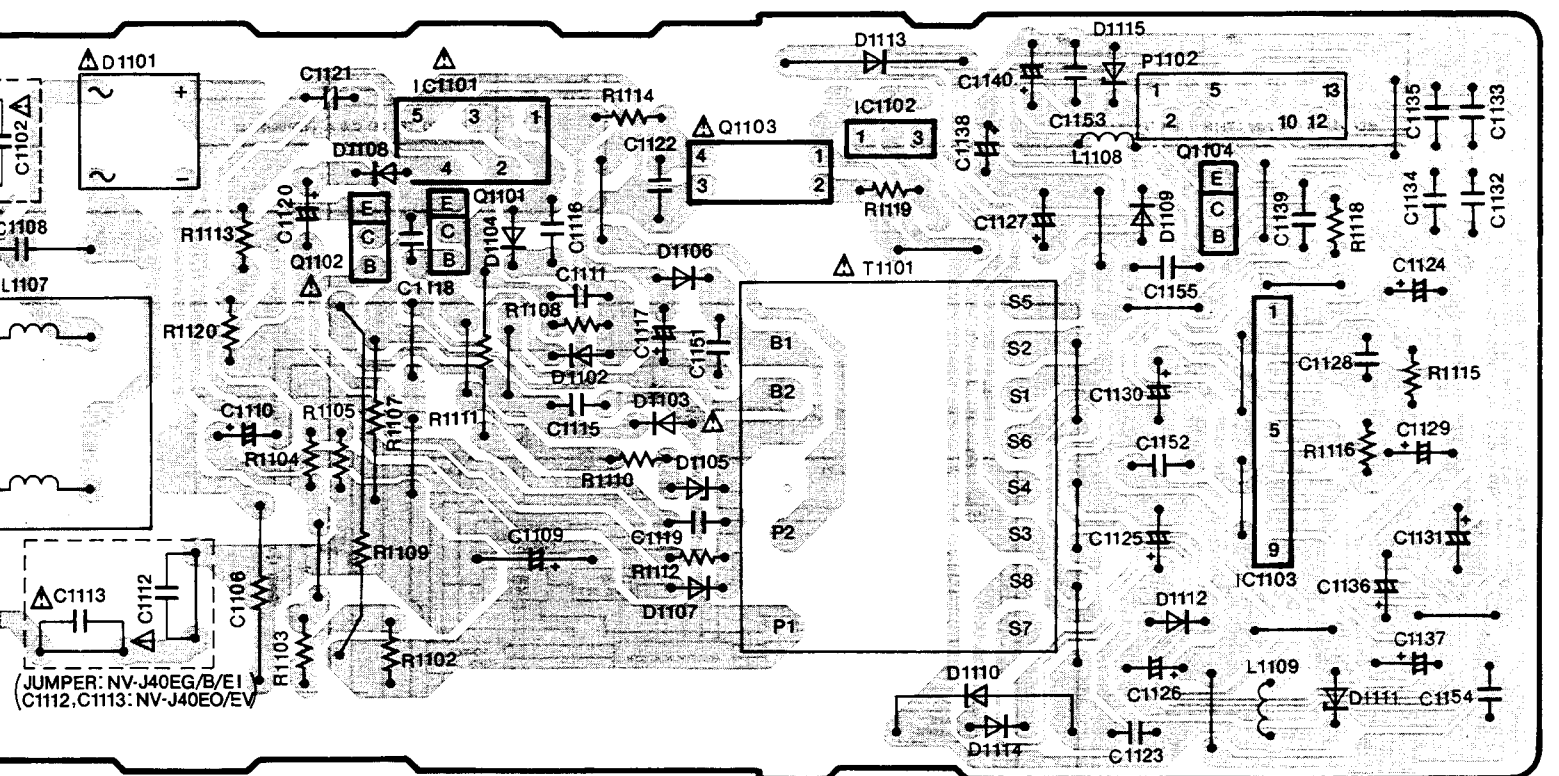
6 | 7 | 8 | 9

3-4. POWER C.B.A. (VEP01469C: NV-J40EG/EI) (VEP01469D: NV-J40B) (VEP01469G: NV-



POWER C.B.A.	
Transistor	
Q1101	B-4
Q1102	B-3
Q1103	B-4
Q1104	B-5
Integrated Circuit	
IC1101	B-4
IC1102	B-5
IC1103	A-5
Connector	
P1101	B-1
P1102	B-5

ADDRESS INFORMATION

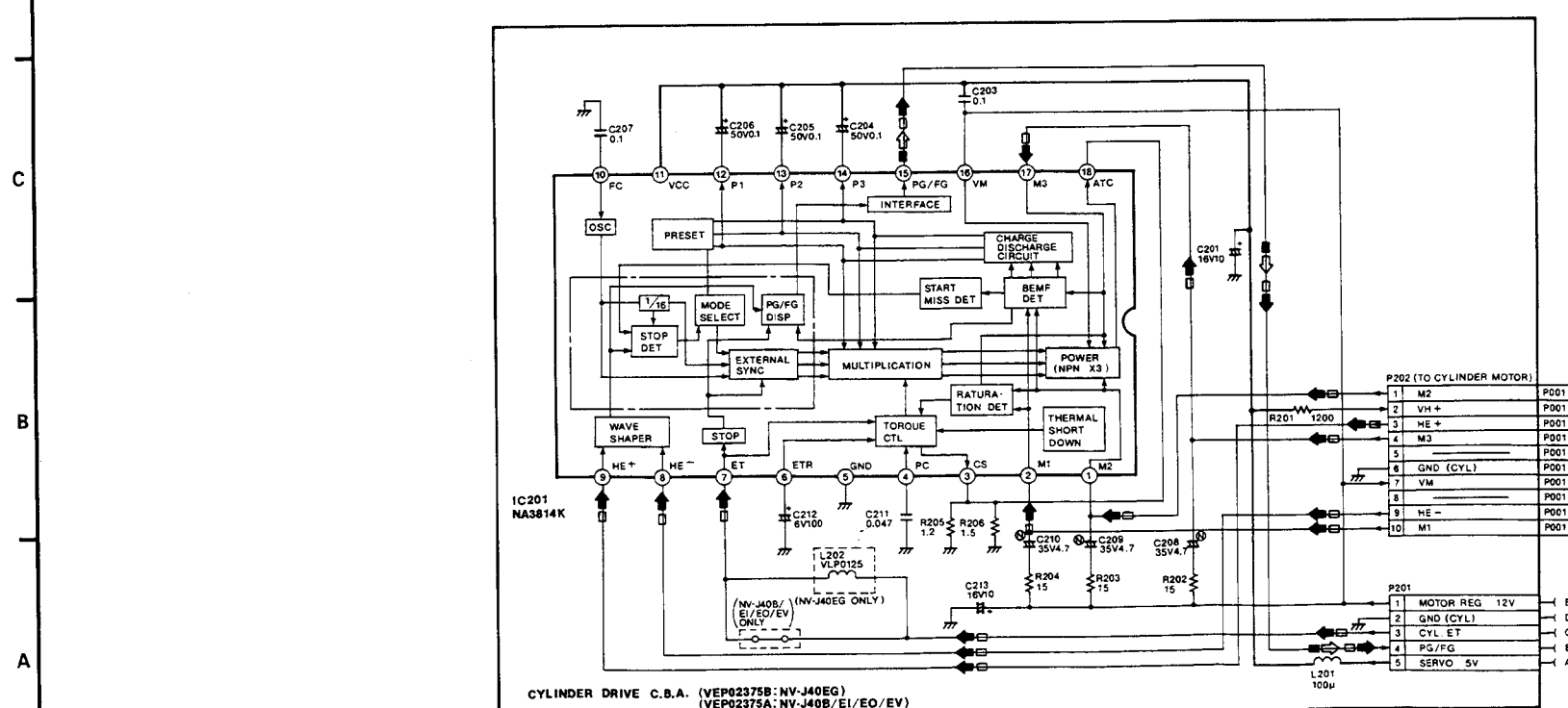
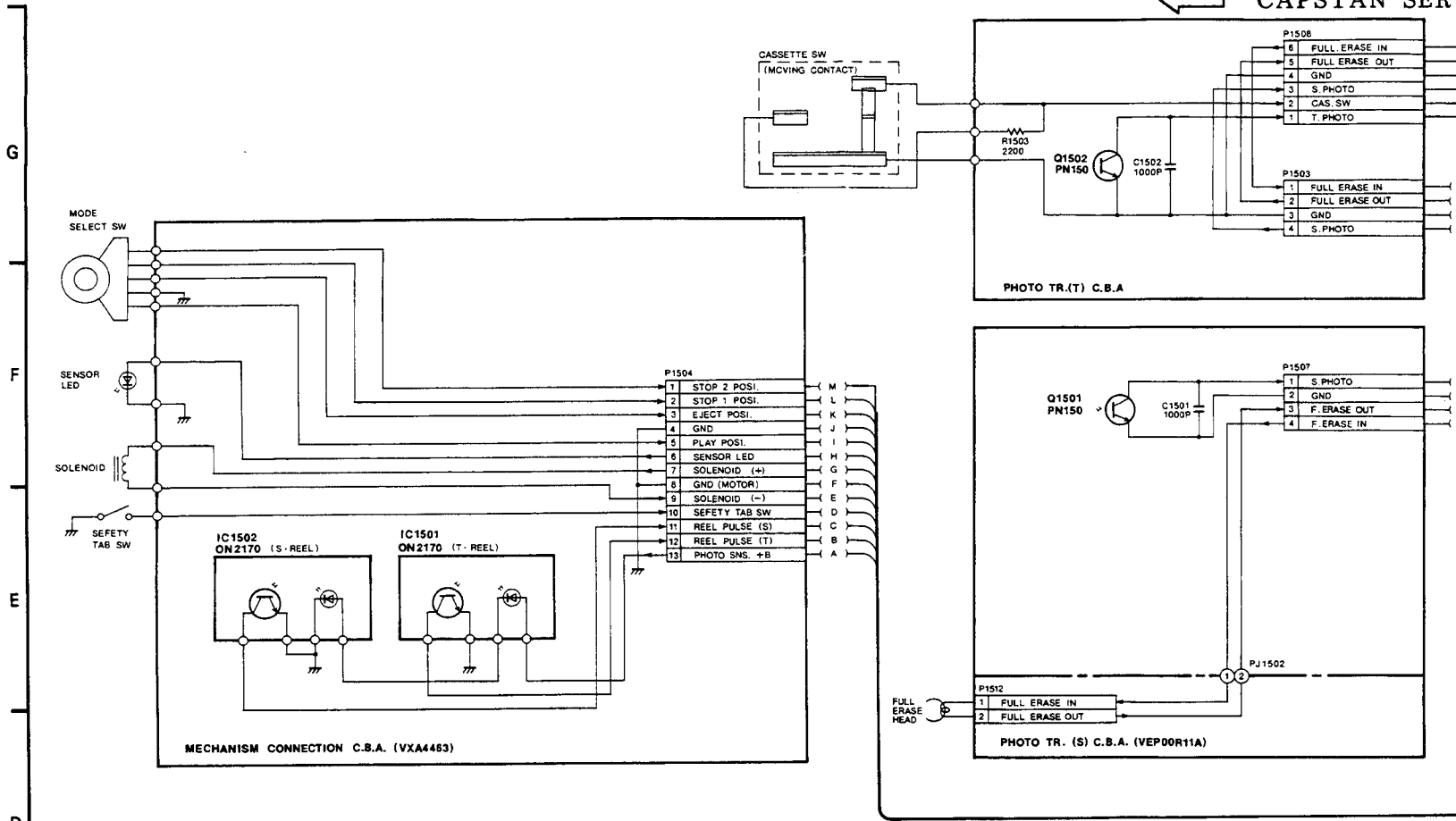


JUMPER: NV-J40EG/B/E1
C1112, C1113: NV-J40EO/EV



3 | 4 | 5 | 6



3-5. SYSTEM CONTROL & SERVO SCHEMATIC DIAGRAM

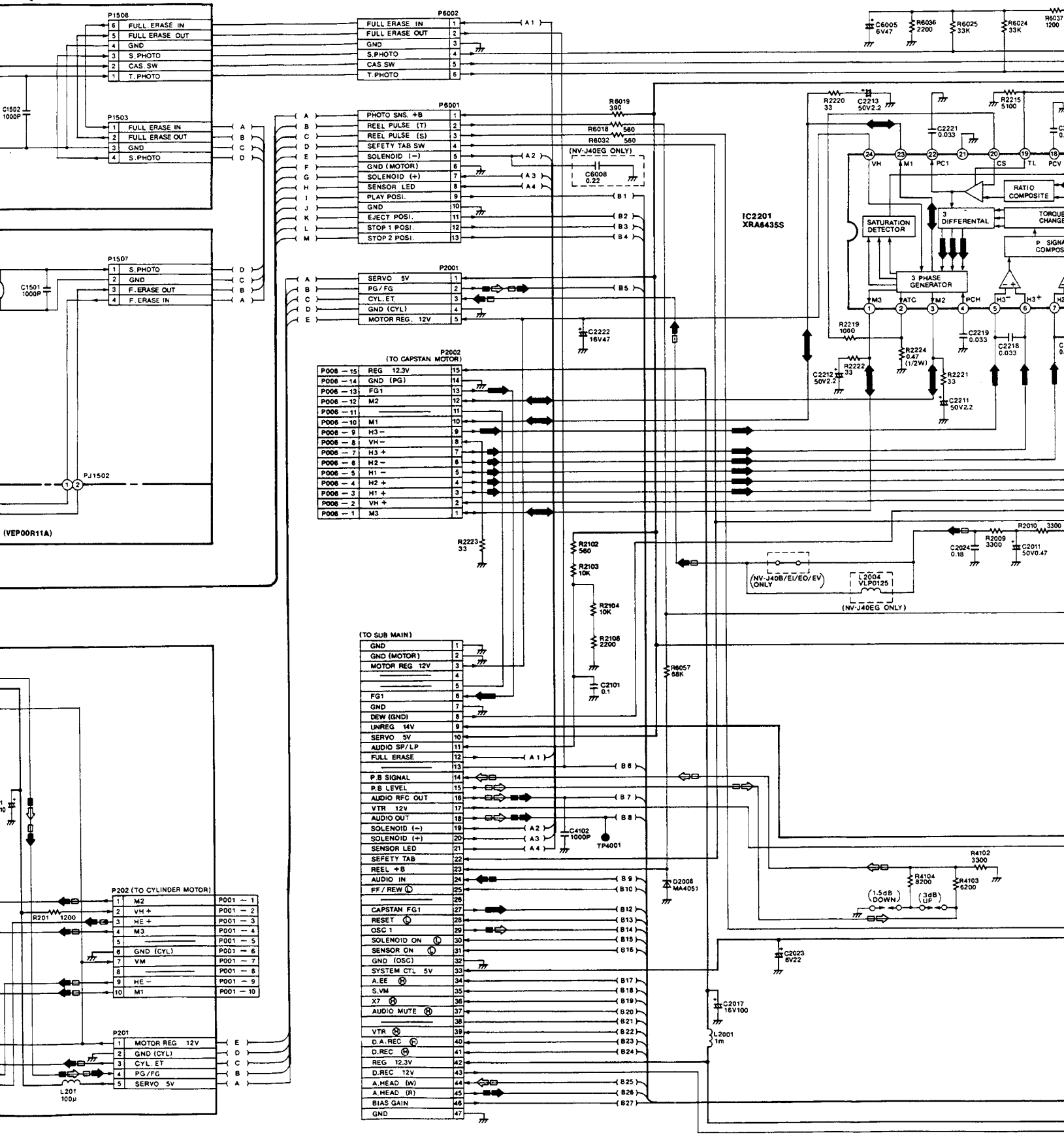
← CAPSTAN SERVO
← CAPSTAN SERVO



NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

 CAPSTAN SERVO SPEED LOOP
 CAPSTAN SERVO PHASE LOOP

 AUDIO MAIN SIGNAL PATH IN REC MODE
 AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE





(TO CAPSTAN MOTOR)

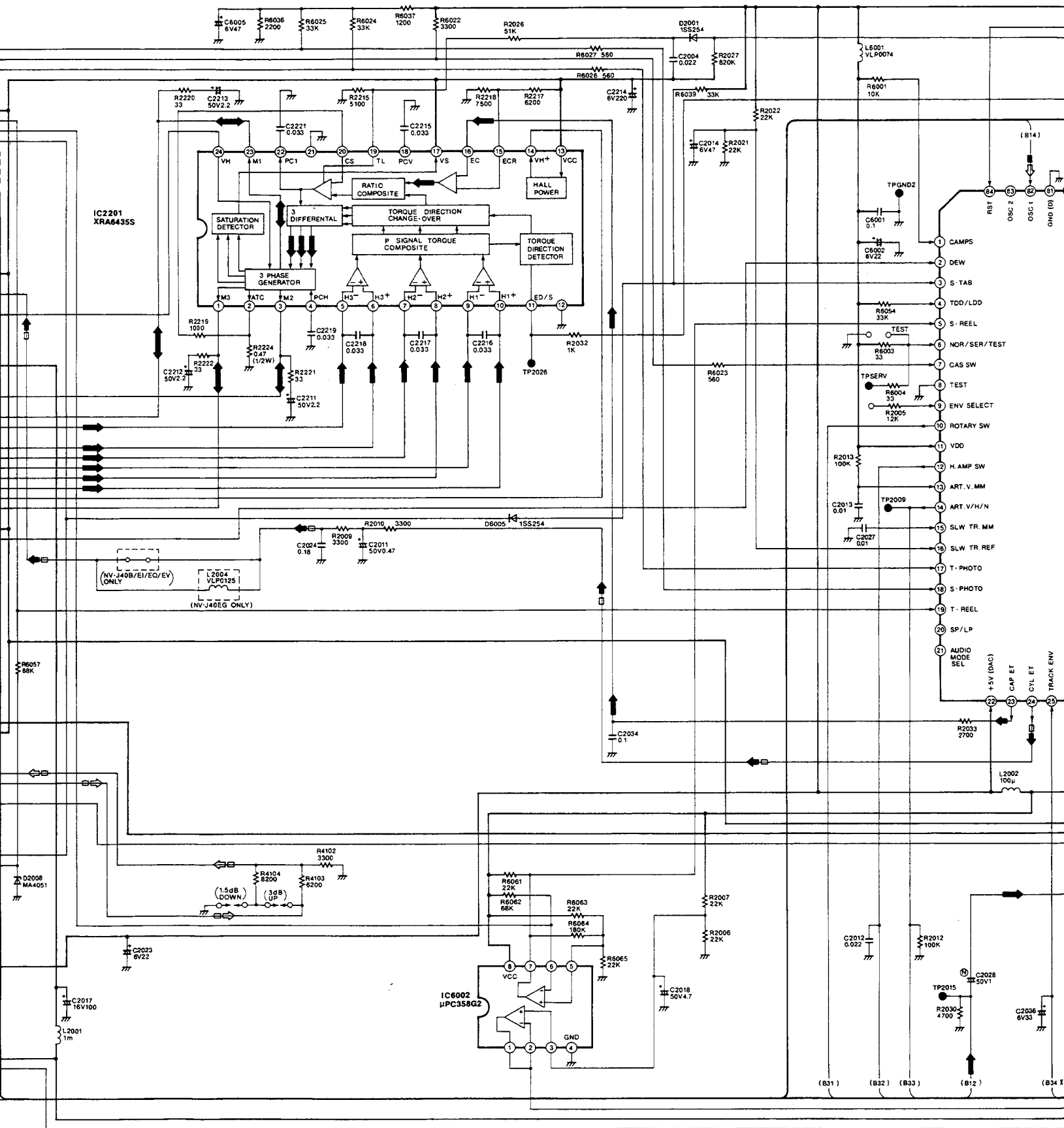
P008 - 15	REG 12.3V	15
P008 - 14	GND (PG)	14
P008 - 13	FG 1	13
P008 - 12	M2	12
P008 - 11		11
P008 - 10	M1	10
P008 - 9	H3 -	9
P008 - 8	VH -	8
P008 - 7	H3 +	7
P008 - 6	H2 -	6
P008 - 5	H1 -	5
P008 - 4	H2 +	4
P008 - 3	H1 +	3
P008 - 2	VH +	2
P008 - 1	M3	1

(TO SUB MAIN)

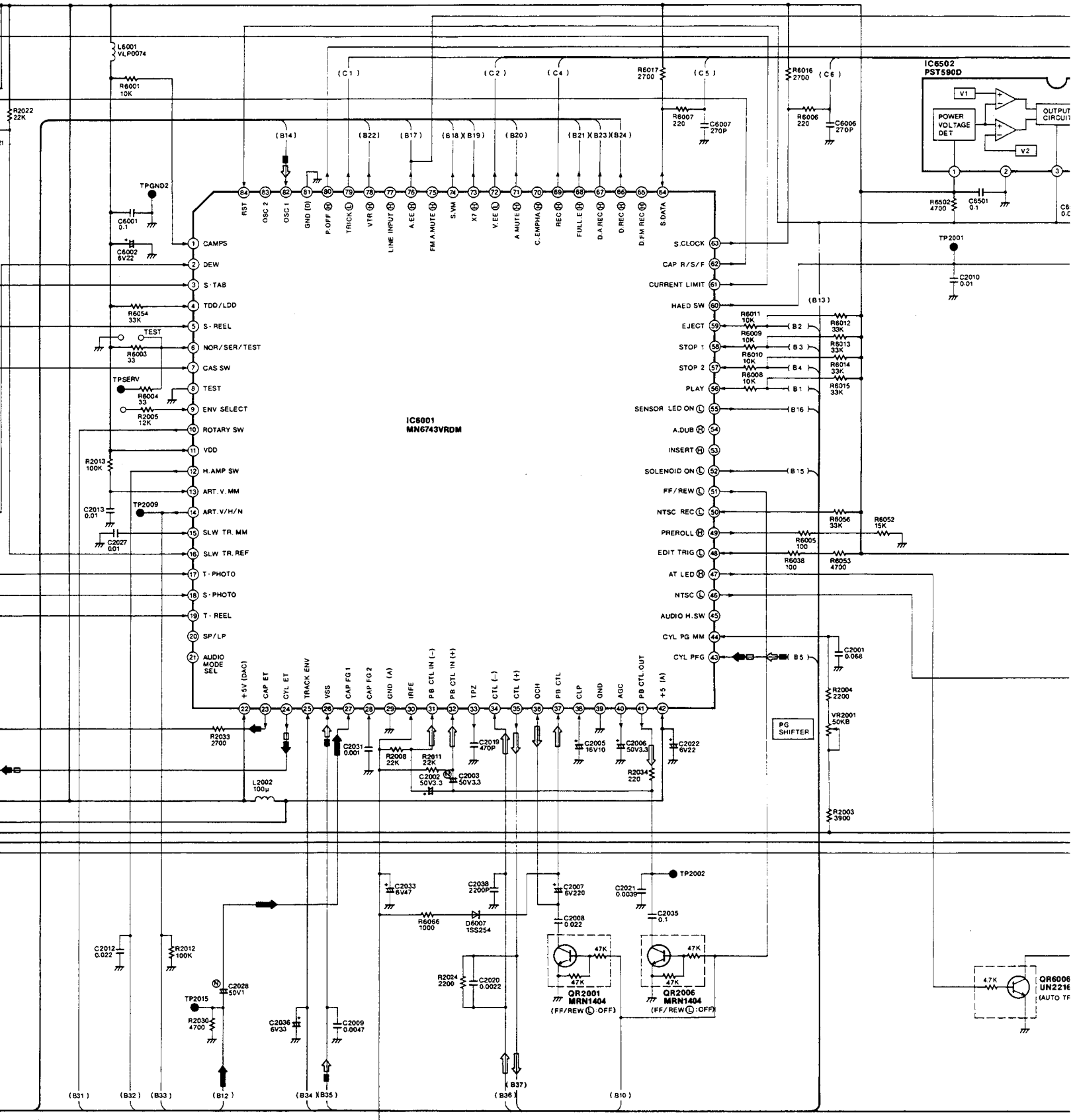
GND	1
GND (MOTOR)	2
MOTOR REG 12V	3
	4
FG1	5
GND	6
DW (GND)	7
UNREG 14V	8
SERVO 5V	9
AUDIO SP/LP	10
FULL ERASE	11
	12
P.B SIGNAL	13
P.B LEVEL	14
AUDIO RFG OUT	15
VTR 12V	16
AUDIO OUT	17
SOLENOID (-)	18
SOLENOID (+)	19
SENSOR LED	20
SEFETY TAB	21
REEL +B	22
AUDIO IN	23
FF/REW	24
	25
	26
CAPSTAN FG1	27
RESET	28
OSC 1	29
SOLENOID ON	30
SENSOR ON	31
GND (OSC)	32
SYSTEM CTL 5V	33
A.EE	34
S.VM	35
X7	36
AUDIO MUTE	37
	38
VTR	39
D.A.REC	40
D.REC	41
REG 12.3V	42
D.REC 12V	43
A.HEAD (W)	44
A.HEAD (R)	45
BIAS GAIN	46
GND	47

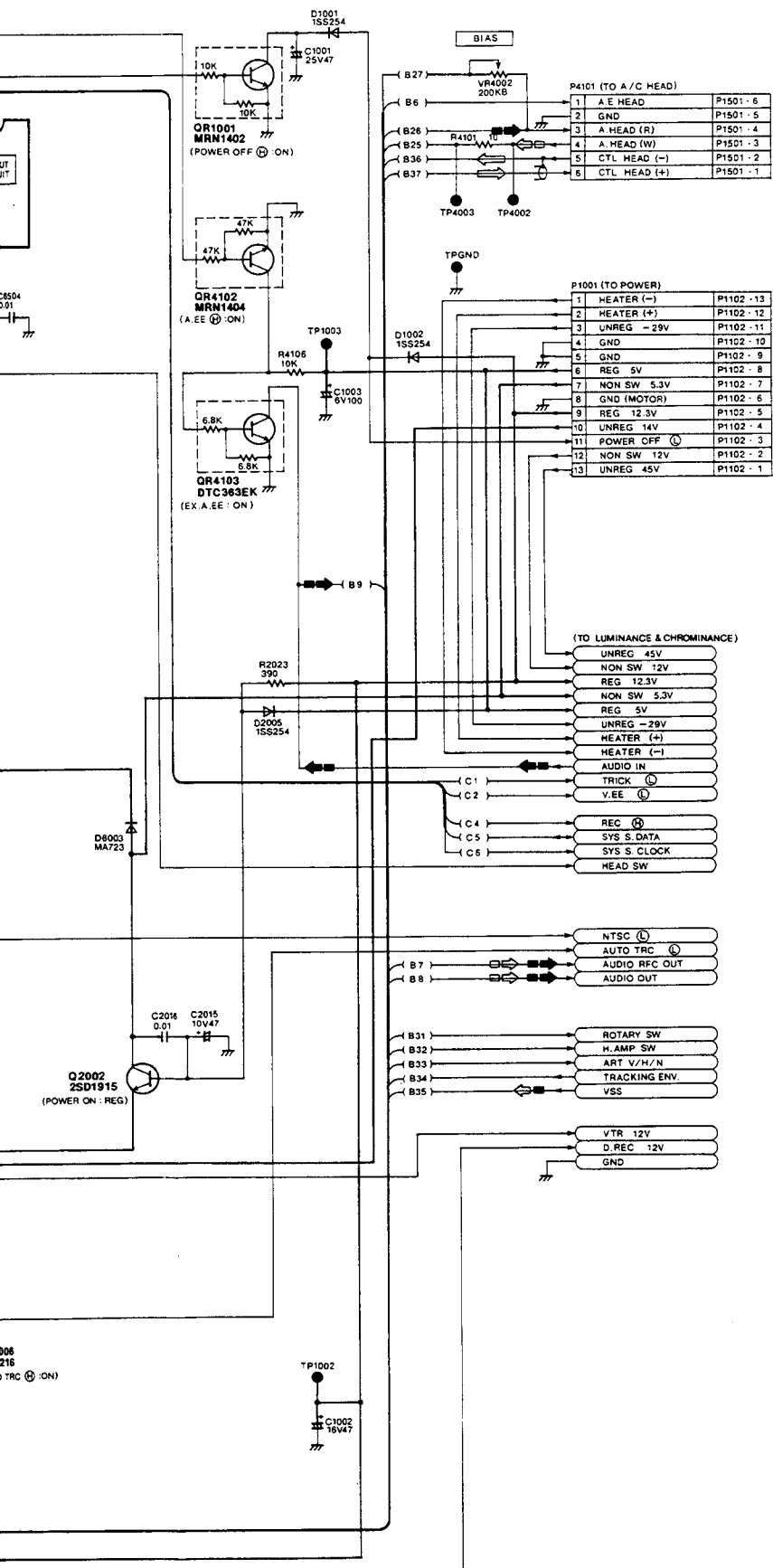
MAIN SIGNAL PATH IN REC MODE
 MAIN SIGNAL PATH IN PLAYBACK MODE

 CYLINDER SERVO SPEED LOOP
 CYLINDER SERVO PHASE LOOP

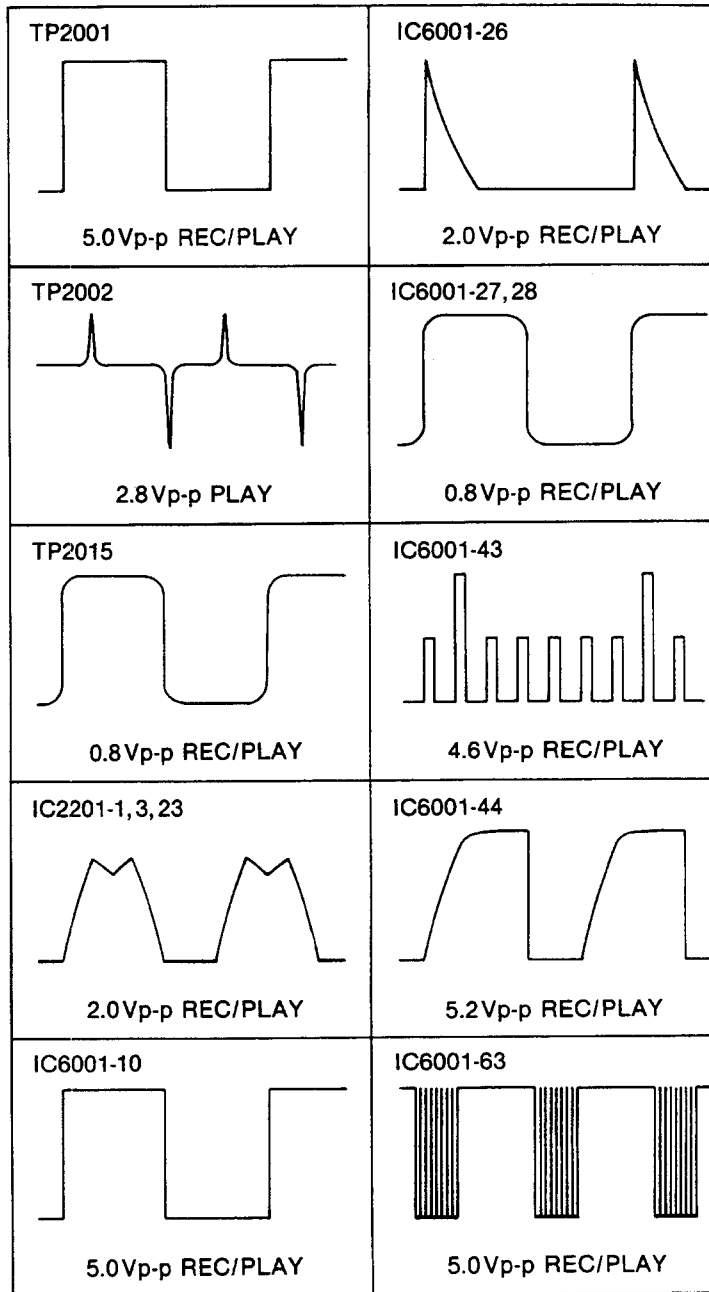


SERVO SPEED LOOP
SERVO PHASE LOOP





WAVEFORM OF SYSTEM CONTROL & SERVO



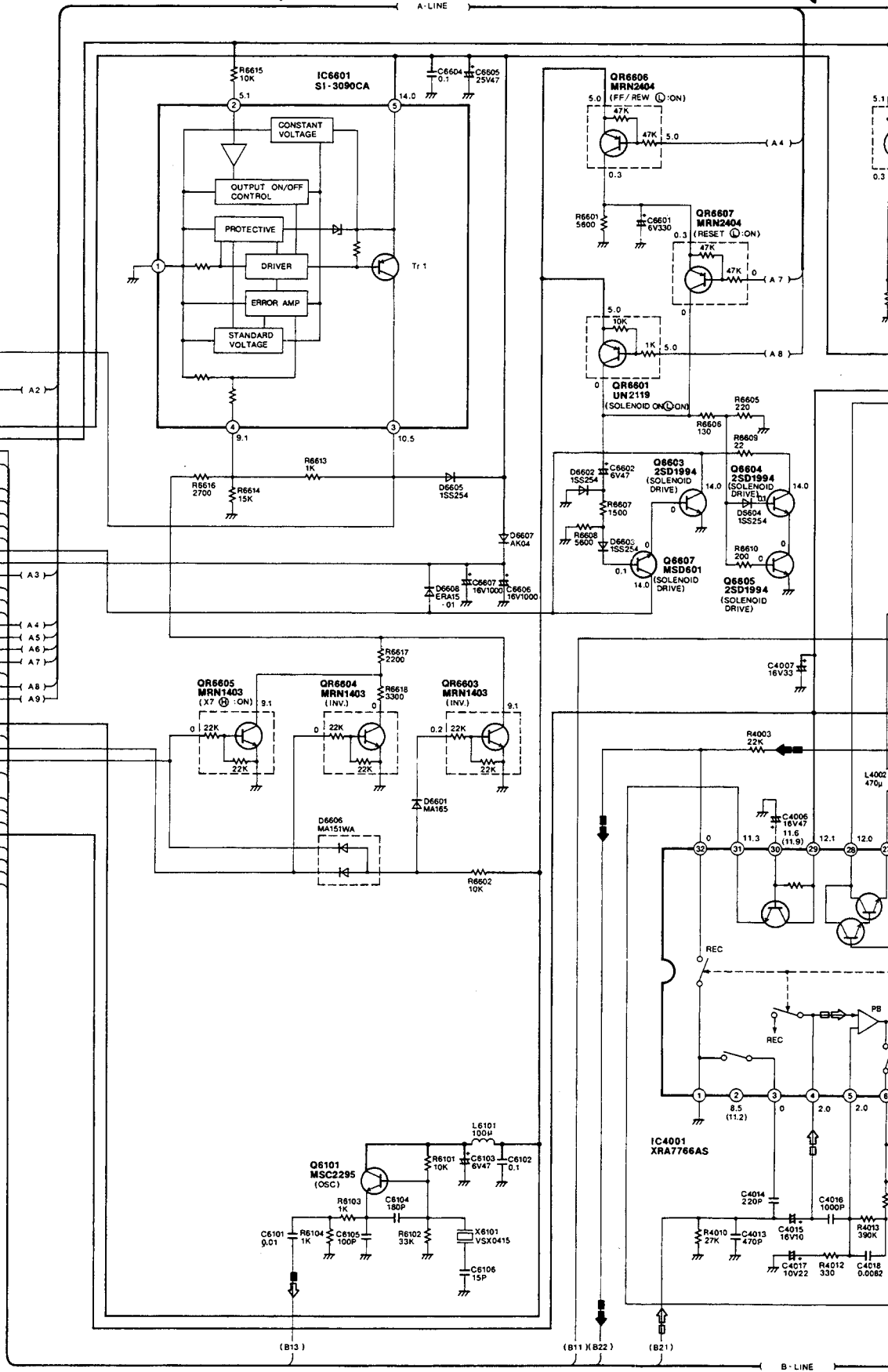
6. SUB MAIN SCHEMATIC DIAGRAM

CAPSTAN SERVO SPEED LOOP
 CYLINDER SERVO PHASE LOOP

A
 A

(TO SYSTEM CTL & SERVO)

GND	1	
GND (MOTOR)	2	
MOTOR REG 12V	3	
	4	
	5	
FG 1	6	(A 2)
GND	7	
DEW (GND)	8	
UNREG 14V	9	
SERVO 5V	10	
AUDIO SP/LP	11	(B 2)
FULL ERASE	12	(B 3)
	13	
P.B SIGNAL	14	(B 5)
P.B LEVEL	15	(B 6)
AUDIO RFC OUT	16	(B 7)
VTR 12V	17	(B 8)
AUDIO OUT	18	(B 9)
SOLENOID (-)	19	
SOLENOID (+)	20	(A 3)
SENSOR LED	21	
SEFETY TAB	22	(B 10)
REEL +B	23	(B 11)
AUDIO IN	24	(B 12)
FF/REW	25	(A 4)
	26	(A 5)
CAPSTAN FG 1	27	(A 6)
RESET	28	(A 7)
OS 1	29	(B 13)
SOLENOID ON	30	(A 8)
SENSOR ON	31	(A 9)
GND (OSC)	32	
SYSTEM CTL 5V	33	
A.EE	34	(B 14)
S.VM	35	
X7	36	
A.MUTE	37	(B 15)
	38	
VTR	39	(B 17)
D.A REC	40	(B 18)
D.REC	41	(B 19)
REG 12.3V	42	
D.REC 12V	43	(B 20)
A.HEAD (W)	44	(B 21)
A.HEAD (R)	45	(B 22)
BIAS GAIN	46	(B 23)
GND	47	



NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS () ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL.

THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL.

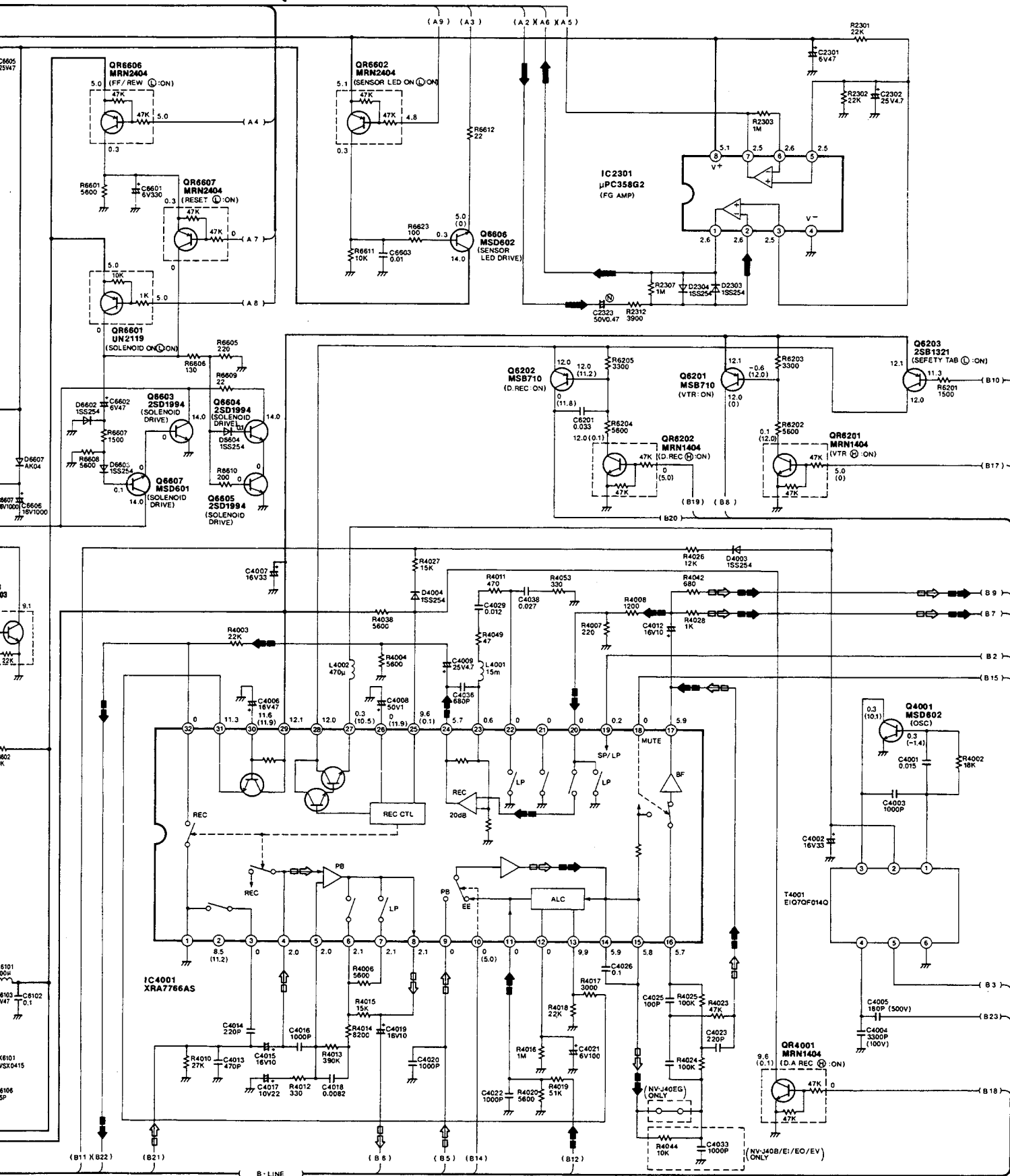
1 2 3 4 5 6

SERVO SPEED LOOP
SERVO PHASE LOOP

AUDIO MAIN SIGNAL PATH IN REC MODE

AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE

SUB MAIN Section



DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE

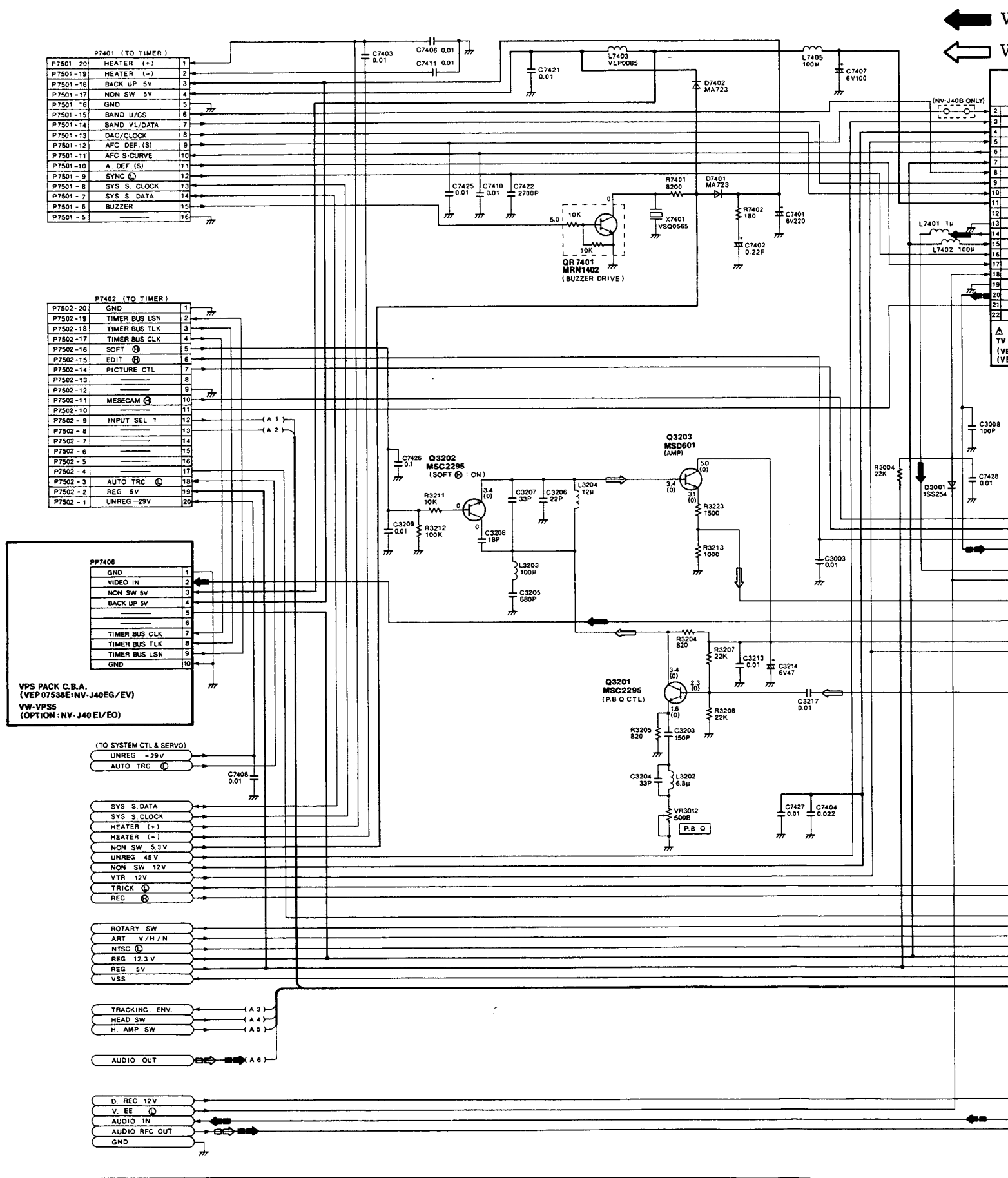
• LINE IN SIGNAL LEVEL... -10dB 1kHz

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

5 | 6 | 7 | 8 | 9 | 10

Next Page:
LUMINANCE & CHROMINANCE Section

3-7. LUMINANCE & CHROMINANCE SCHEMATIC DIAGRAM



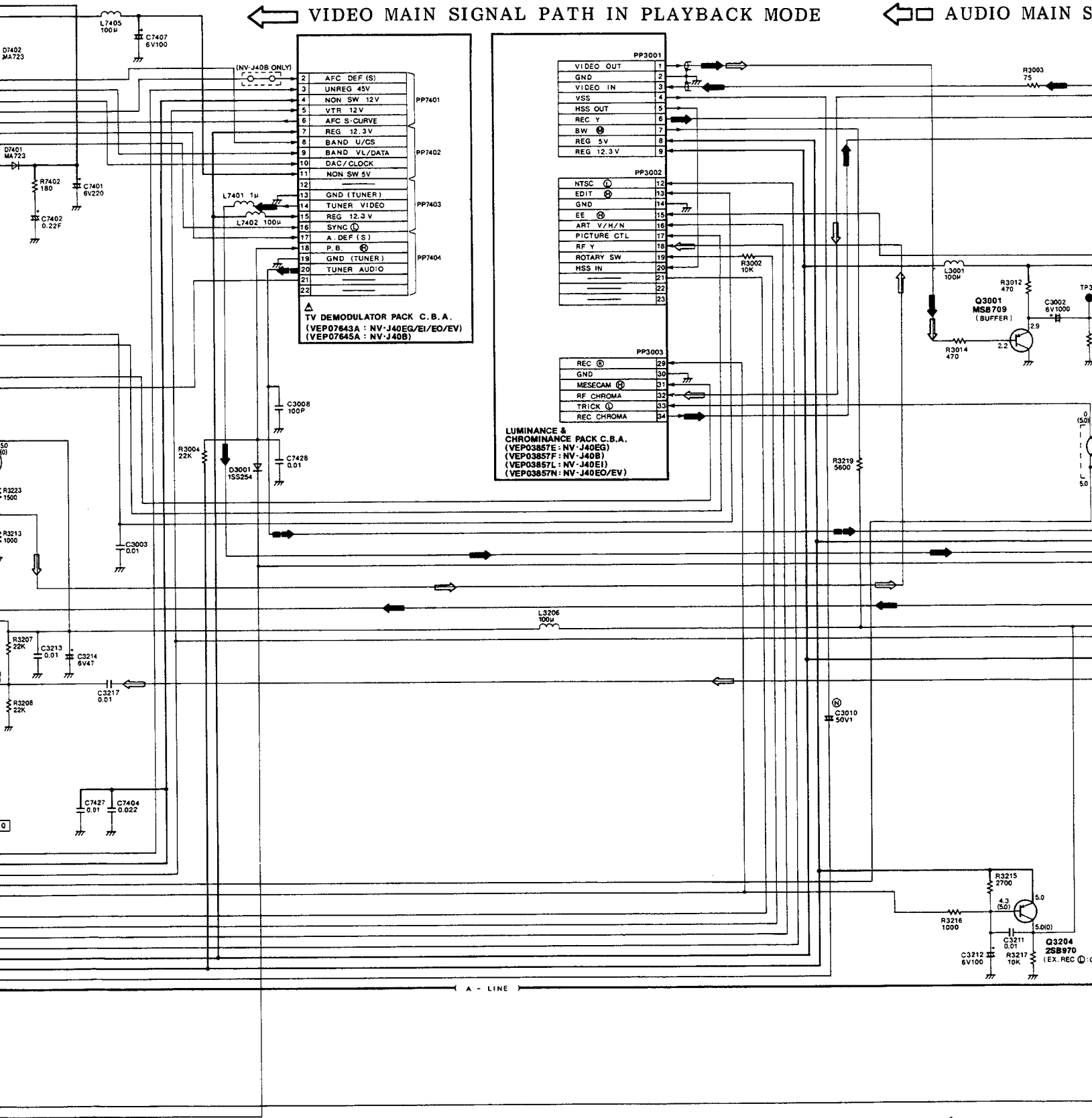
M

← VIDEO MAIN SIGNAL PATH IN REC MODE



← AUDIO MAIN S

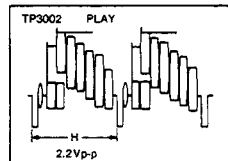
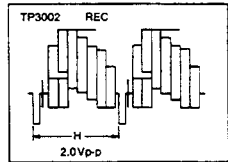
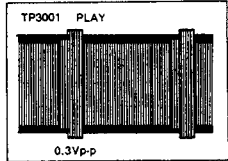
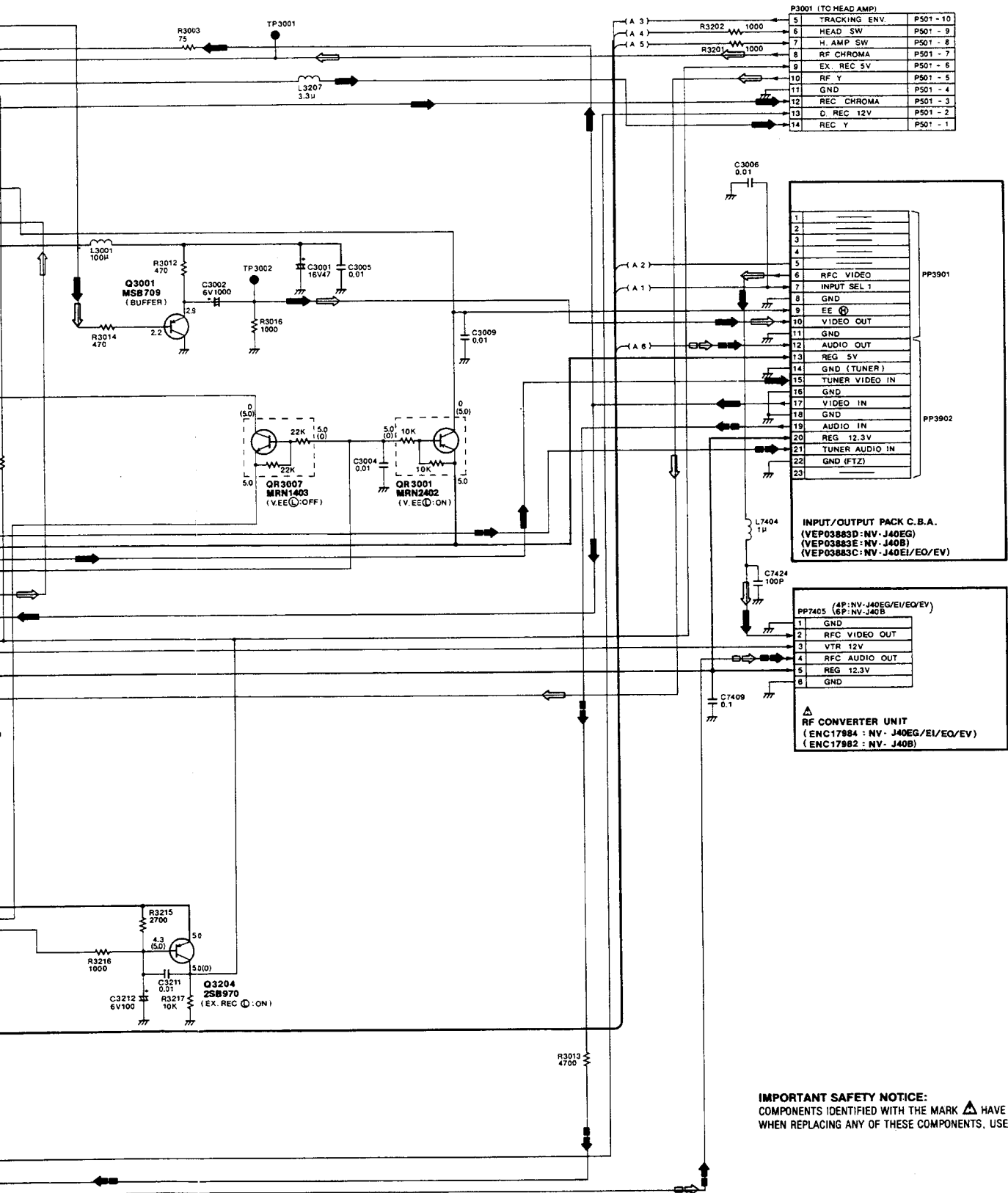
← VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE

← AUDIO MAIN S



NOTE: THE MEASUREMENT MODE WITH PAL COLOUR SIGNAL THE MEASUREMENT MODE WITH PAL COLOUR SIGNAL

 **AUDIO MAIN SIGNAL PATH IN REC MODE**
 **AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE**



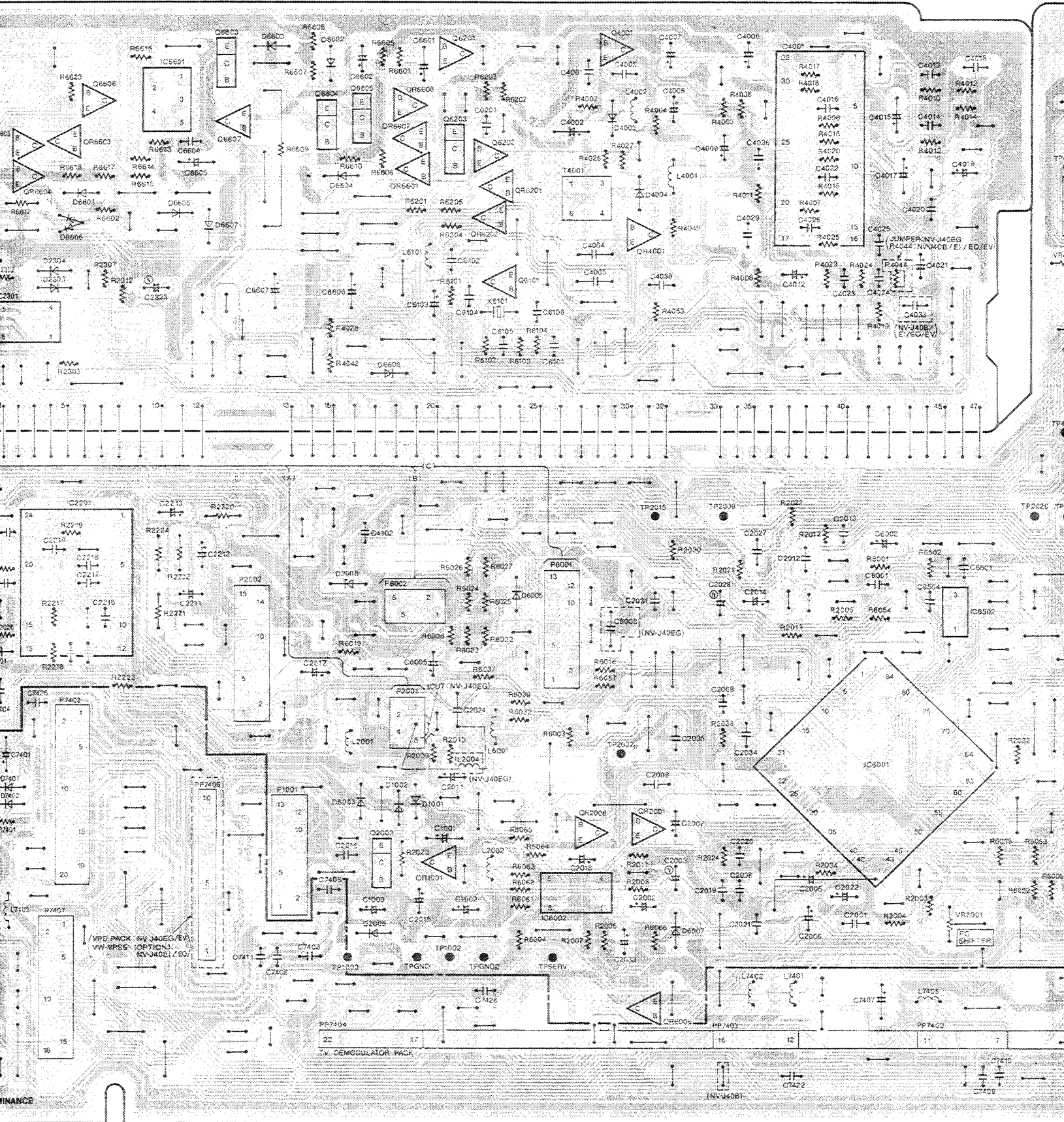
IMPORTANT SAFETY NOTICE:
 COMPONENTS IDENTIFIED WITH THE MARK  HAVE THE SPECIAL CHARACTERISTICS FOR SA...
 WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS () ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL.
 THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL.

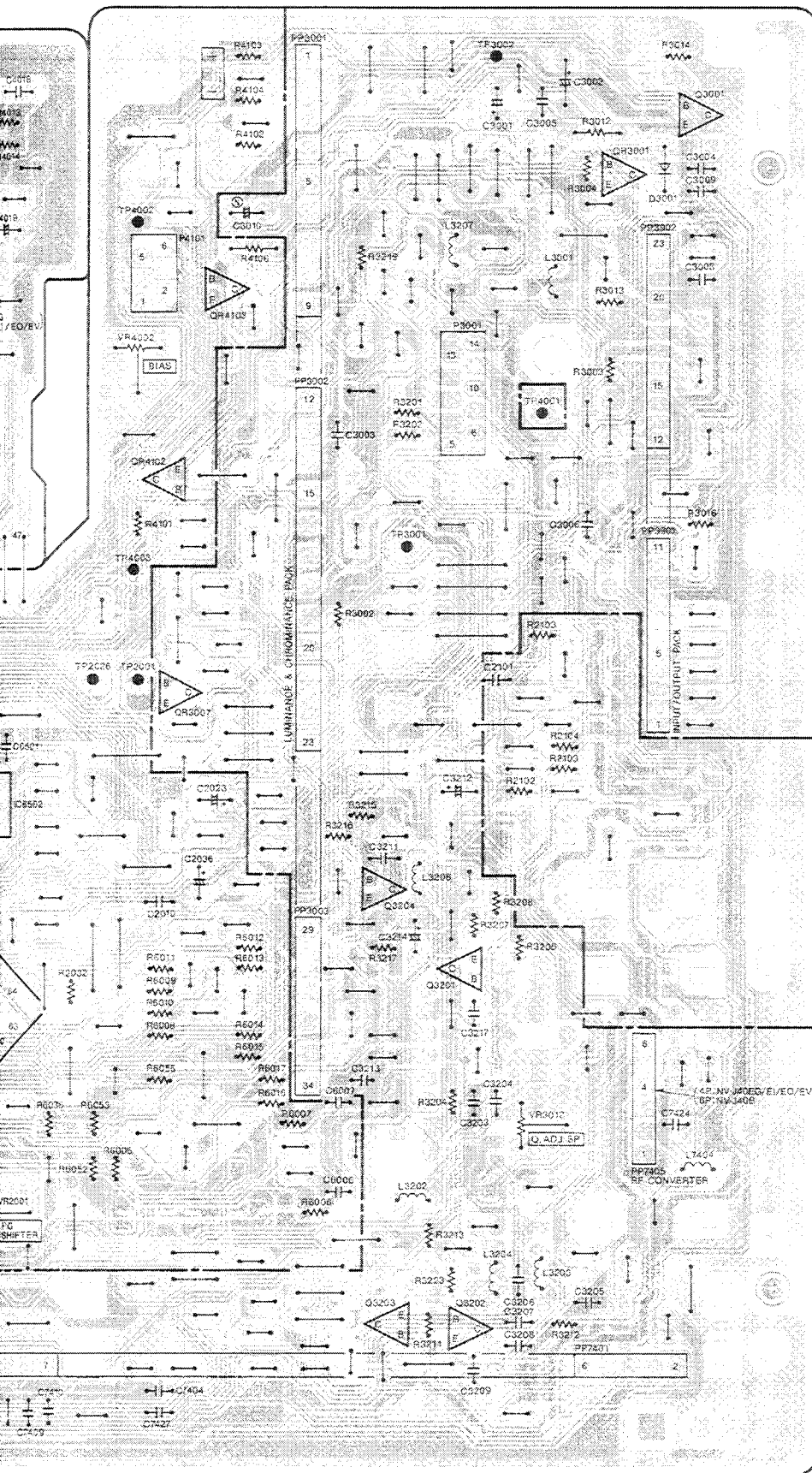
NOTE: DO NOT USE ANY PART NUMBER SHOWN ON SCHEMATIC DIAGRAM FOR ORDERING. WHEN ORDER A PART, PLEASE REFER TO PARTS LIS...

B) (VEP03840M: NV-J40EI/EO) (VEP03840N: NV-J40EV)

VEP03840E: NV-J40EG) (VEP03840F: NV-J40B) (VEP03840M: NV-J40EI/EO) (VEP03840N: NV-J40EV)



**MAIN C.B.A.
ADDRESS INFORMATION**



SYSTEM CONTROL & SERVO Section	
Transistor	
Q1401	A-2
Q1501	A-2
Q1502	A-3
Q2002	B-7
Transistor & Resistor	
QR1001	B-7
QR2001	B-8
QR2006	B-8
QR4102	E-10
QR4103	F-11
QR6006	A-8
Integrated Circuit	
IC201	F-2
IC1501	C-2
IC1502	C-1
IC2201	D-5
IC6001	C-9
IC6002	B-8
IC6502	D-10
Test Point	
TP1002	B-7
TP1003	B-6
TP2001	D-10
TP2002	C-8
TP2009	D-9
TP2015	D-8
TP2026	D-10
TP4001	E-12
TP4002	F-10
TP4003	E-10
TPGND	B-7
TPGND2	B-7
TPSERV	B-8
Adjustment	
VR2001	B-10
VR4002	E-10
Connector	
P201	F-1
P202	F-1
P1001	B-6
P1503	B-3
P1504	F-3
P1507	B-2
P1508	B-3
P1512	B-1
P2001	C-7
P2002	D-6
P4101	F-11
P6001	D-8
P6002	D-7
PJ1502	A-1
PJ1502	B-1

ADDRESS INFORMATION

LUMINANCE & CHROMINANCE Section	
Transistor	
Q3001	F-13
Q3201	C-12
Q3202	A-12
Q3203	A-11
Q3204	C-11
Transistor & Resistor	
QR3001	F-12
QR3007	D-11
QR7401	B-2
Test Point	
TP3001	E-12
TP3002	F-12
Adjustment	
VR3012	B-12
Connector	
P3001	E-12
P7401	B-5
P7402	C-5
PP3001	F-11
PP3002	D-11
PP3003	C-11
PP3901	E-13
PP3902	F-13
PP7401	A-12
PP7402	A-10
PP7403	A-9
PP7404	A-5
PP7405	B-13
PP7406	C-6



ADDRESS INFORMATION

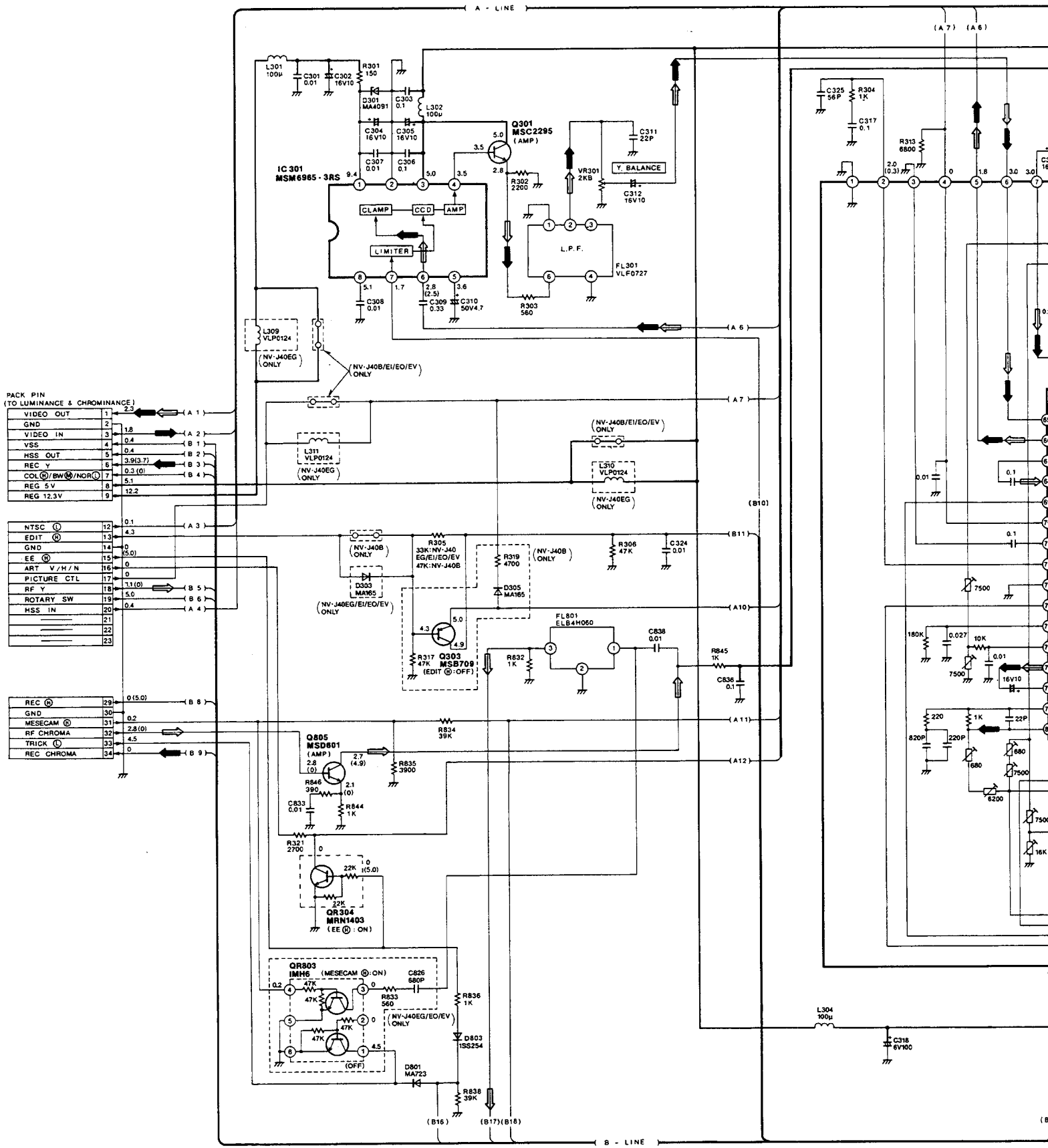
SUB MAIN Section	
Transistor	
Q4001	F-6
Q6101	E-7
Q6201	F-7
Q6202	F-7
Q6203	F-7
Q6603	F-6
Q6604	F-6
Q6606	F-7
Q6606	F-5
Q6607	F-6
Transistor & Resistor	
QR4001	F-8
QR6201	F-7
QR6601	F-7
QR6602	F-4
QR6603	F-6
QR6604	F-6
QR6605	F-5
QR6606	F-7
QR6607	F-7
Integrated Circuit	
IC2301	E-5
IC4001	F-9
IC6601	F-6

ADDRESS INFORMATION

Next Page:
LUMI. & CHRO. PACK Section

B-9. LUMINANCE & CHROMINANCE PACK SCHEMATIC DIAGRAM

 MAIN SIGNAL F
 MAIN SIGNAL F



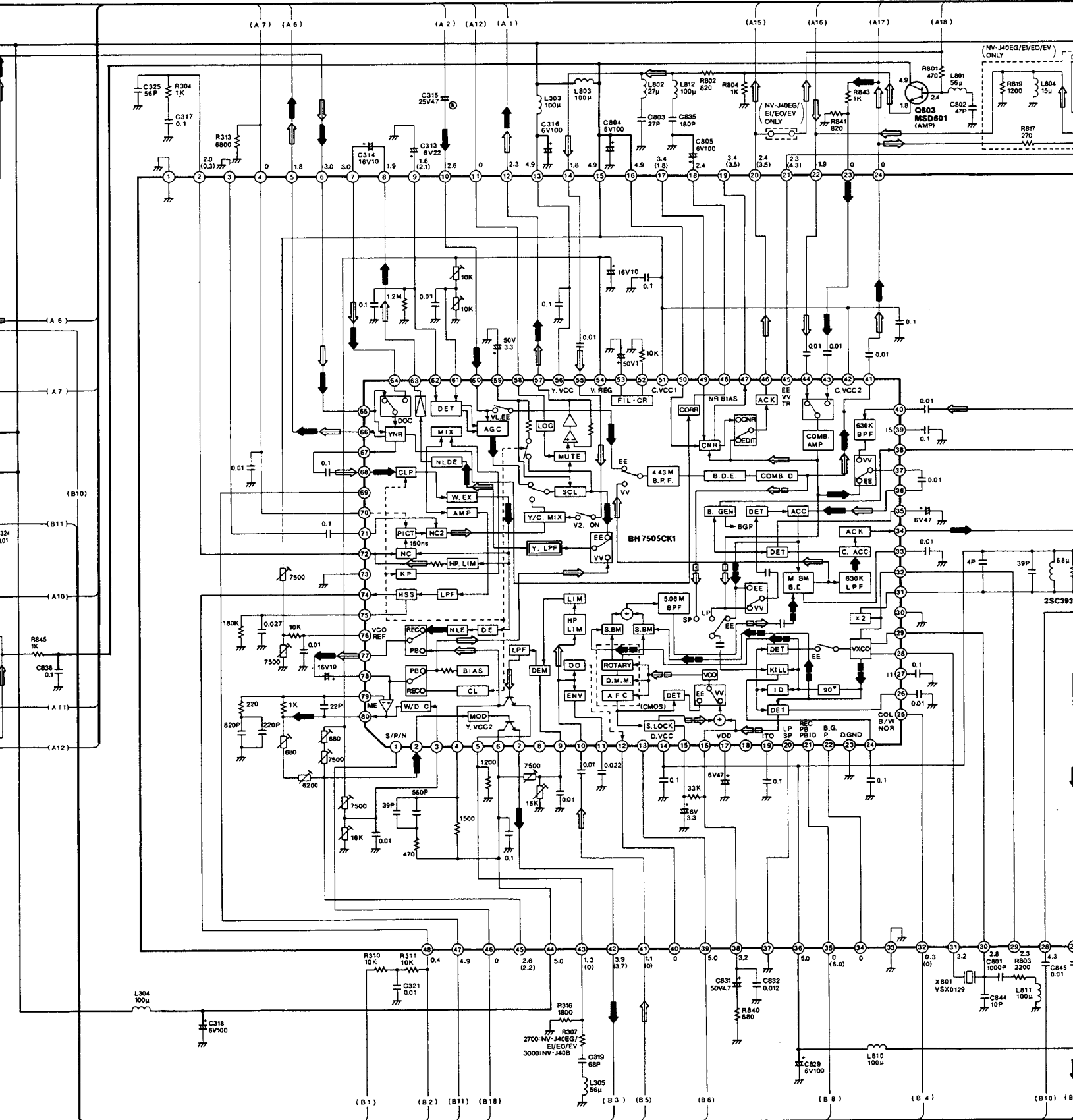
DIAGRAM

← MAIN SIGNAL PATH IN REC MODE

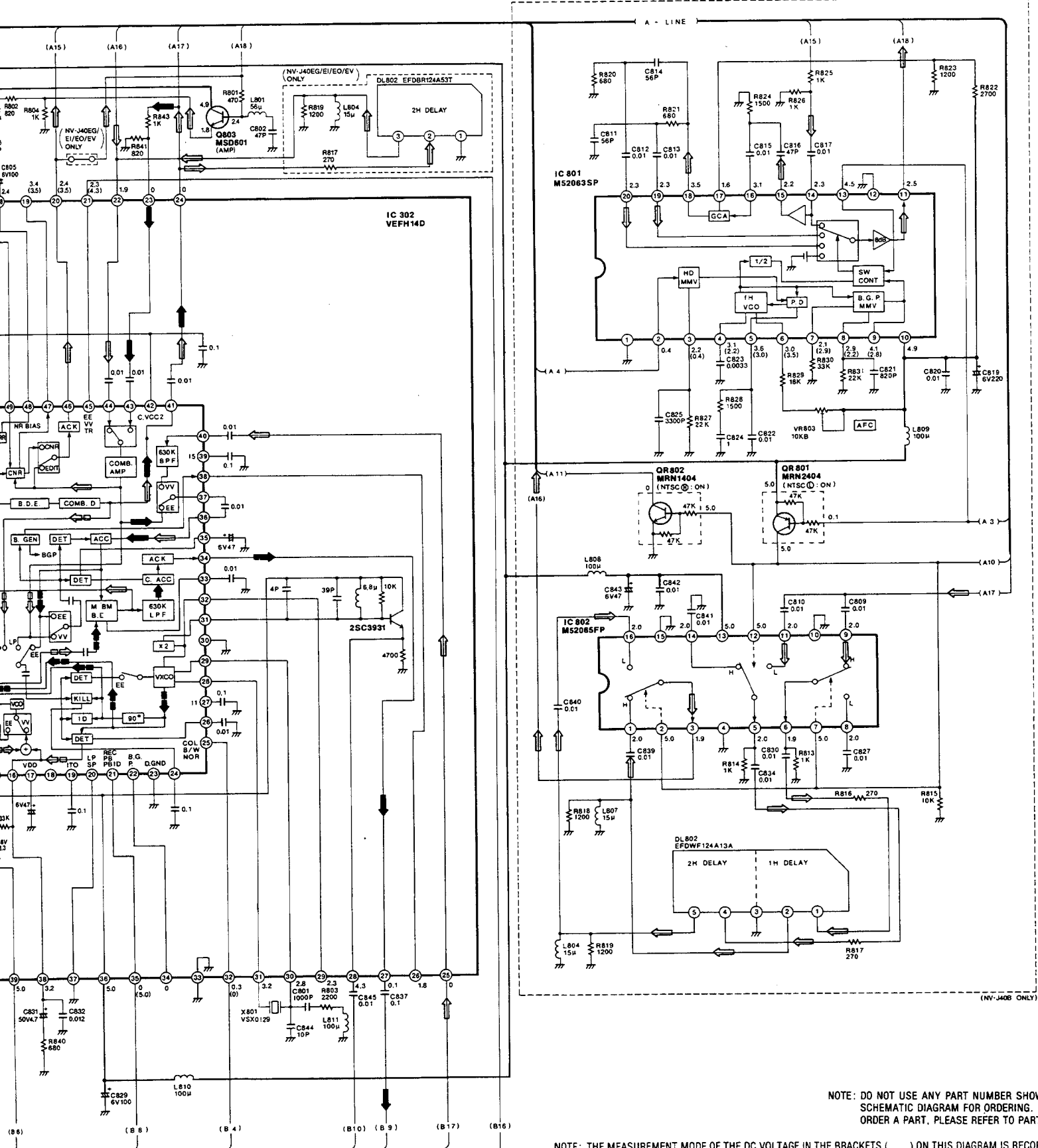
← MAIN SIGNAL PATH IN PLAYBACK MODE

← 5.06MHz PHASE ROTATIONAL SIGN

← 5.06MHz PHASE ROTATIONAL SIGN



5.06MHz PHASE ROTATIONAL SIGNAL IN REC MODE
 5.06MHz PHASE ROTATIONAL SIGNAL IN PLAYBACK MODE



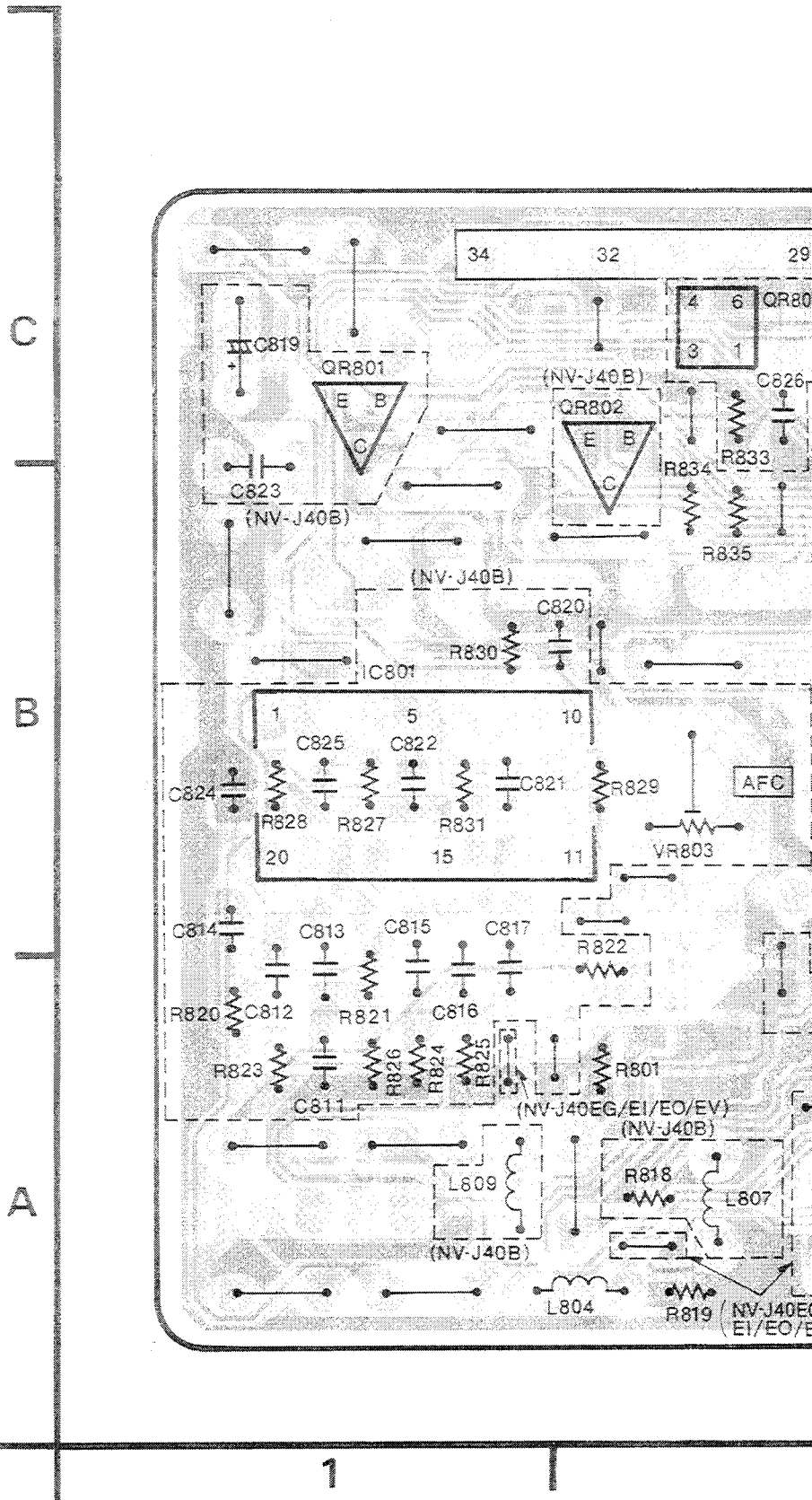
NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS () ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL.
 THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL.

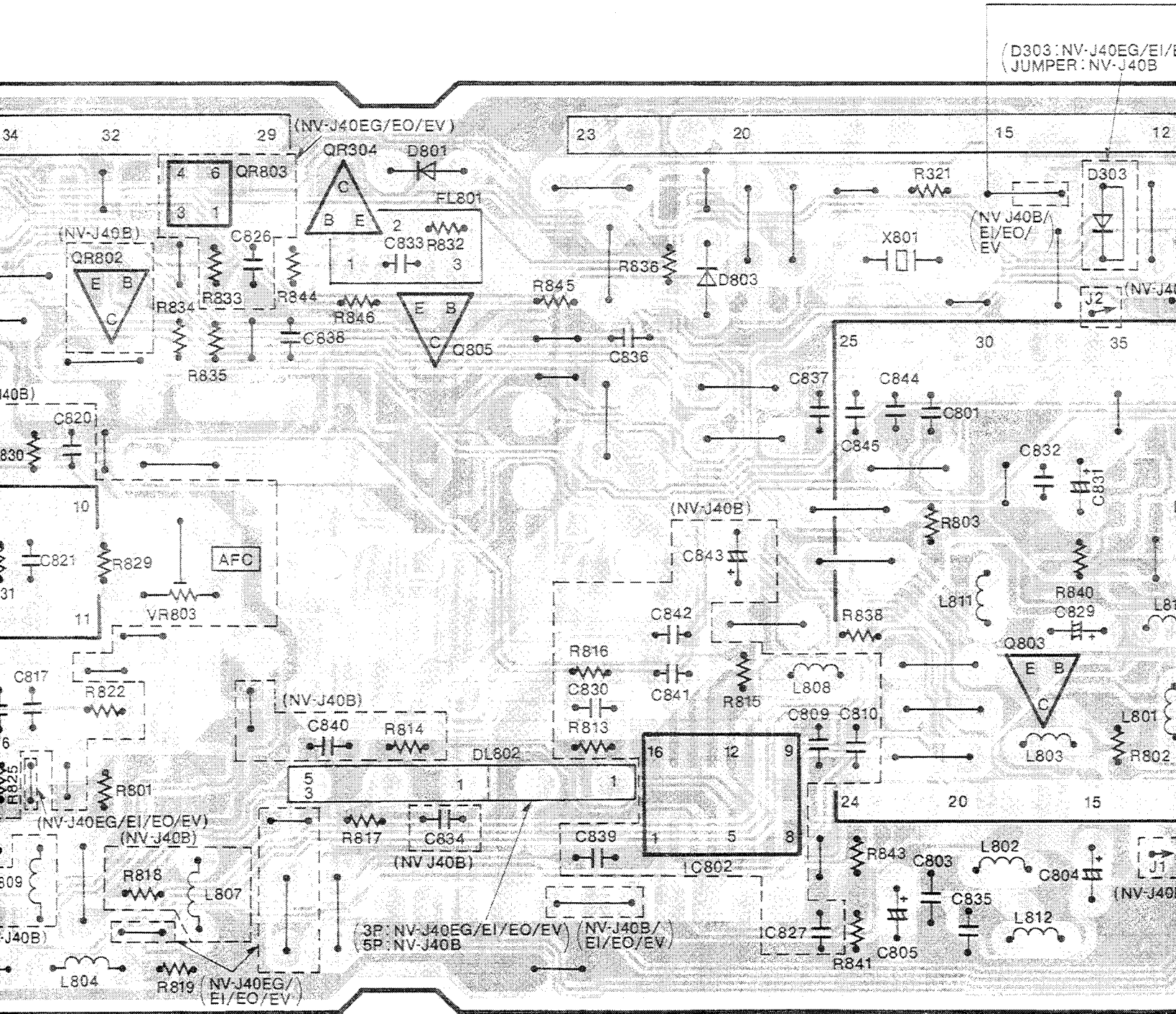
3-10. LUMINANCE & CHROMINANCE PACK C.E

LUMINANCE & CHROMINANCE PACK PIN

IC302 (VEFH14D)

PIN NO.	WAVEFORM	PIN NO.	WAVEFORM	PIN NO.	WAVEFORM
1		2		28	
3		5		29	
4		6		30	
5		7		31	
6		10		39	
18		12		40	
19		17		41	
20		22		42	
32		23		43	
34		24		48	
		26			
		27			



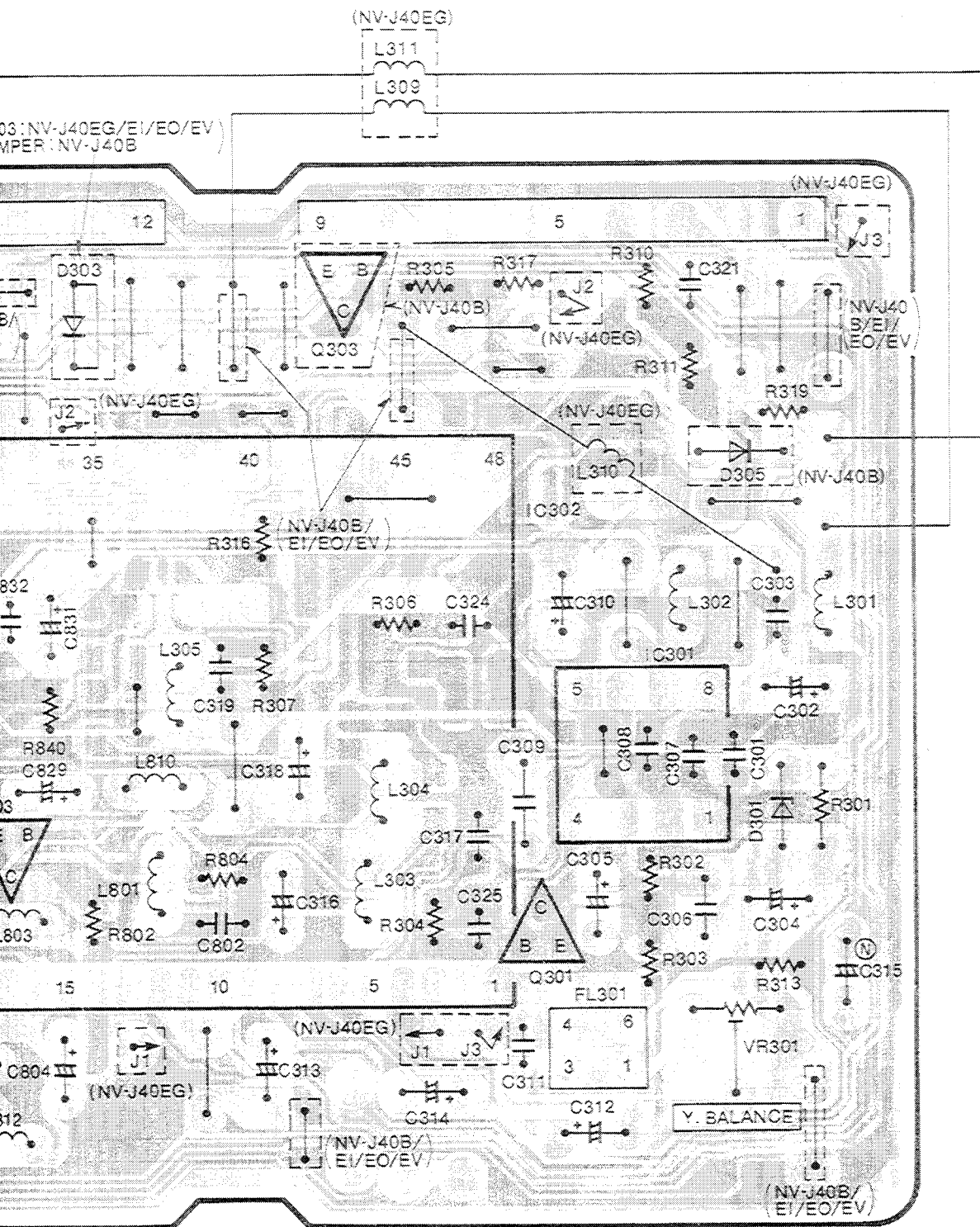


(D303: NV-J40EG/EI/EV)
JUMPER: NV-J40B

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3

4



LUMINANCE & CHROMINANCE PACK C.B.A.	
Transistor	
Q301	A-5
Q303	C-5
Q305	B-4
Q305	B-2
Transistor & Resistor	
QR304	C-2
QR301	C-1
QR302	C-2
QR303	C-2
Integrated Circuit	
IC301	B-5
IC302	B-5
IC301	B-1
IC302	A-3
Adjustment	
VR301	A-6
VR303	B-2

ADDRESS INFORMATION

4 | 5 | 6

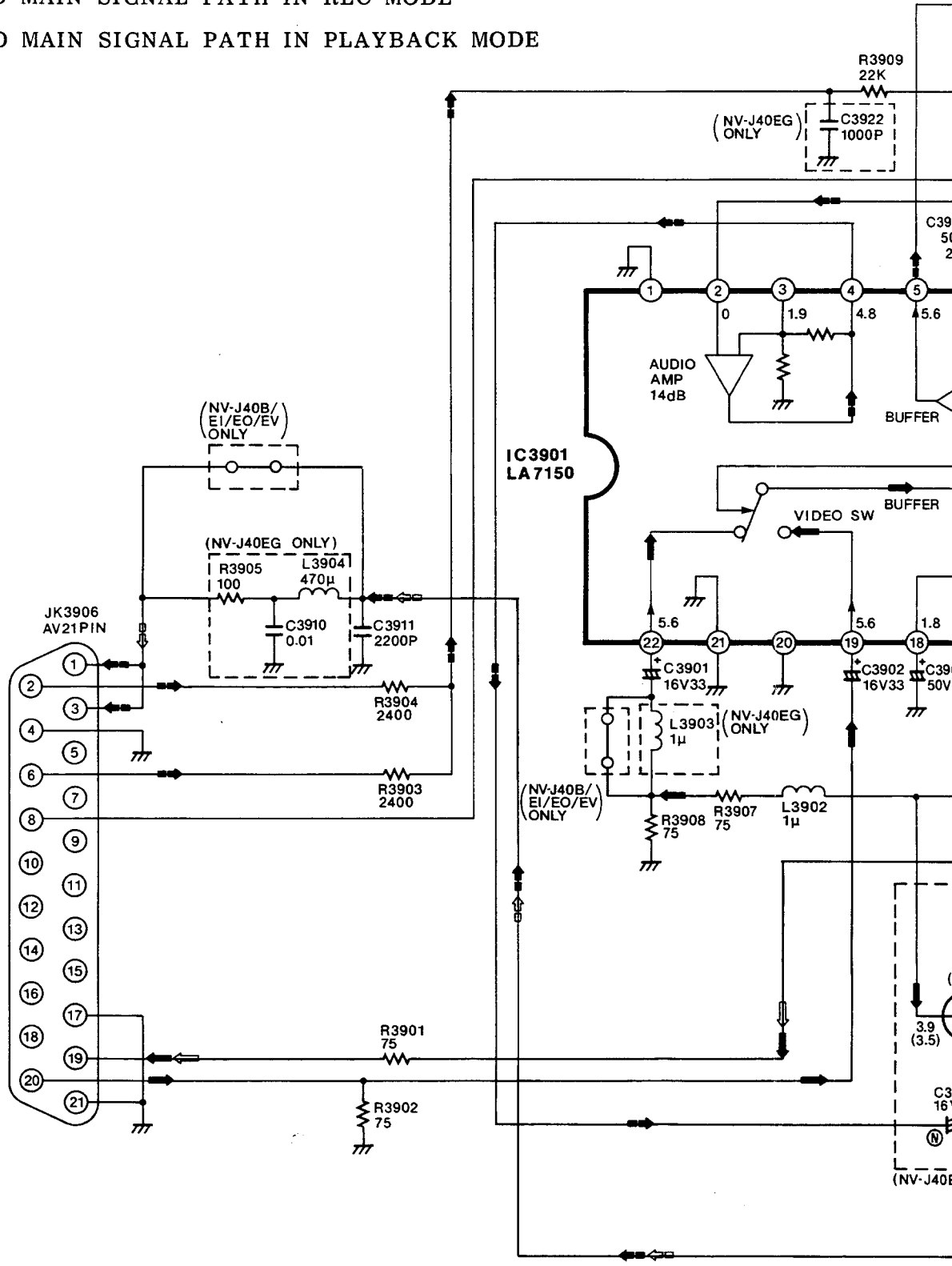
Next Page:
INPUT/OUTPUT Section

3-11. INPUT/OUTPUT PACK SCHEMATIC DIAGRAM

- ◄ VIDEO MAIN SIGNAL PATH IN REC MODE
- ◄ VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE
- ◄ AUDIO MAIN SIGNAL PATH IN REC MODE
- ◄ AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE

D
C
B
A

AUDIO OUT CH 2	1
AUDIO IN CH 2	2
AUDIO OUT CH 1	3
AUDIO GND	4
	5
AUDIO IN CH 1	6
	7
P.B +12V	8
	9
	10
	11
	12
	13
	14
	15
GND	16
	17
VIDEO OUT	19
VIDEO IN	20
GND	21

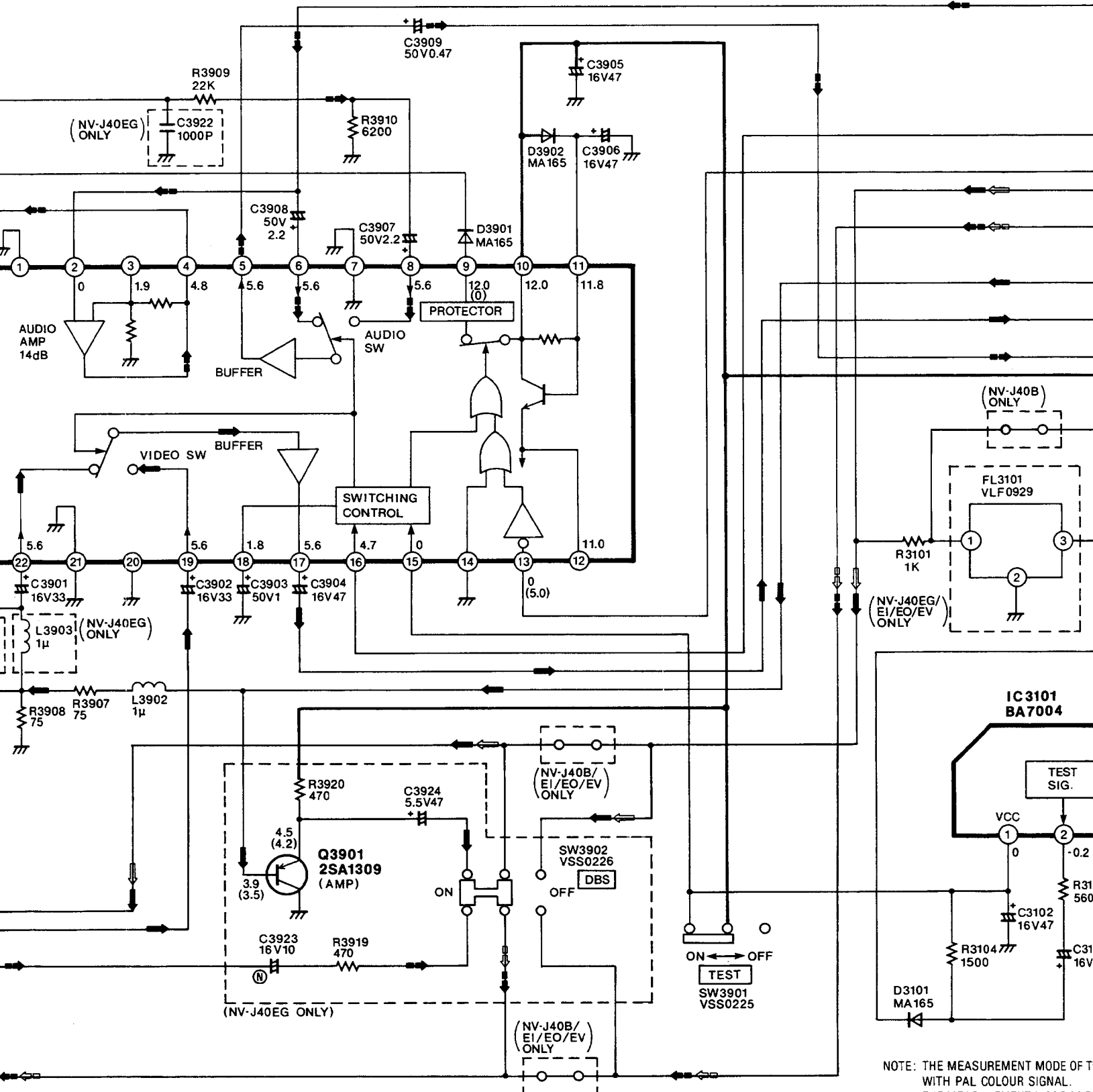


1

2

3

4

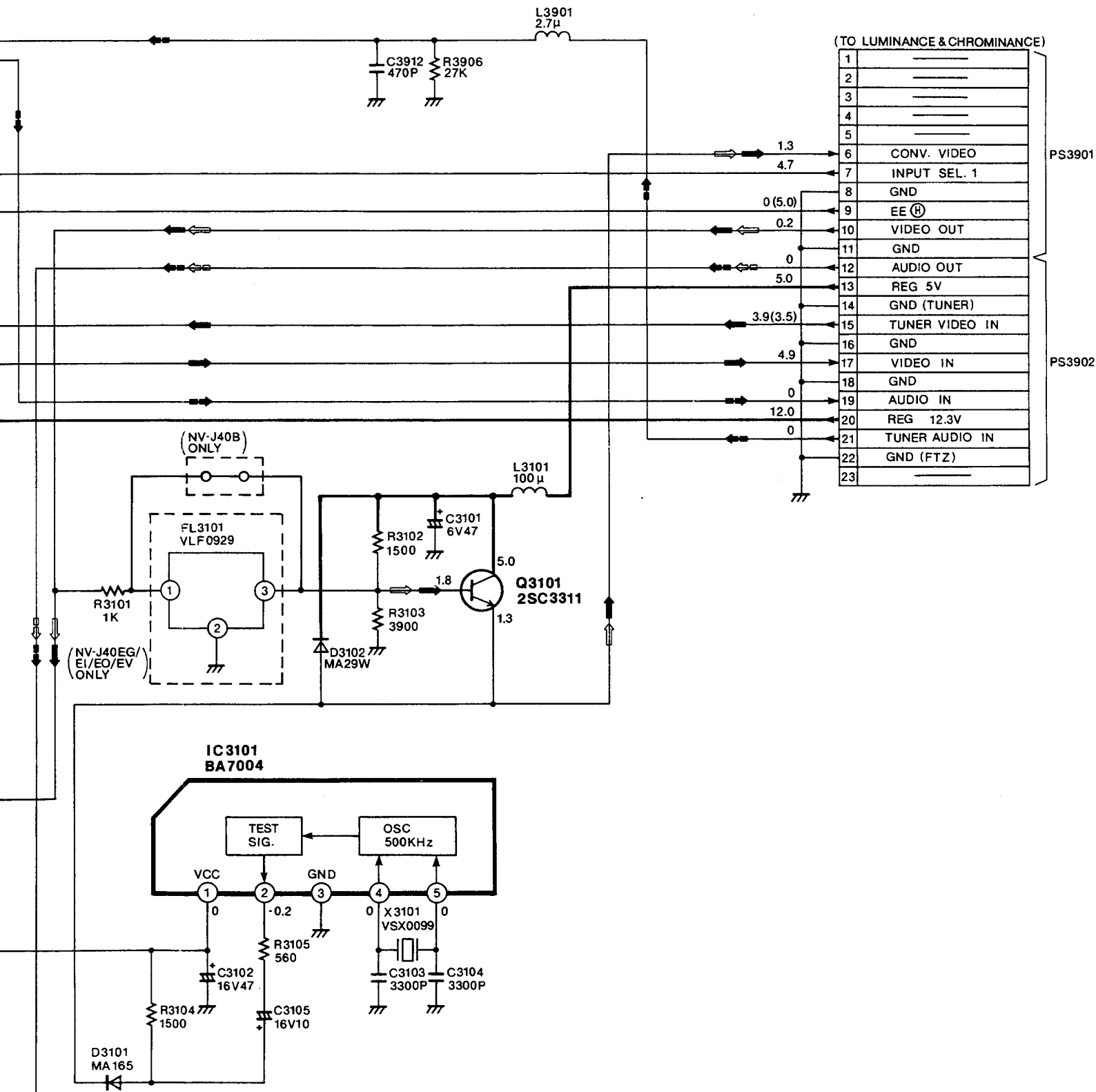


NOTE: THE MEASUREMENT MODE OF TEST POINTS 1 AND 2 IS WITH PAL COLOUR SIGNAL.
 THE MEASUREMENT MODE OF TEST POINT 3 IS WITH PAL COLOUR SIGNAL.

4

5

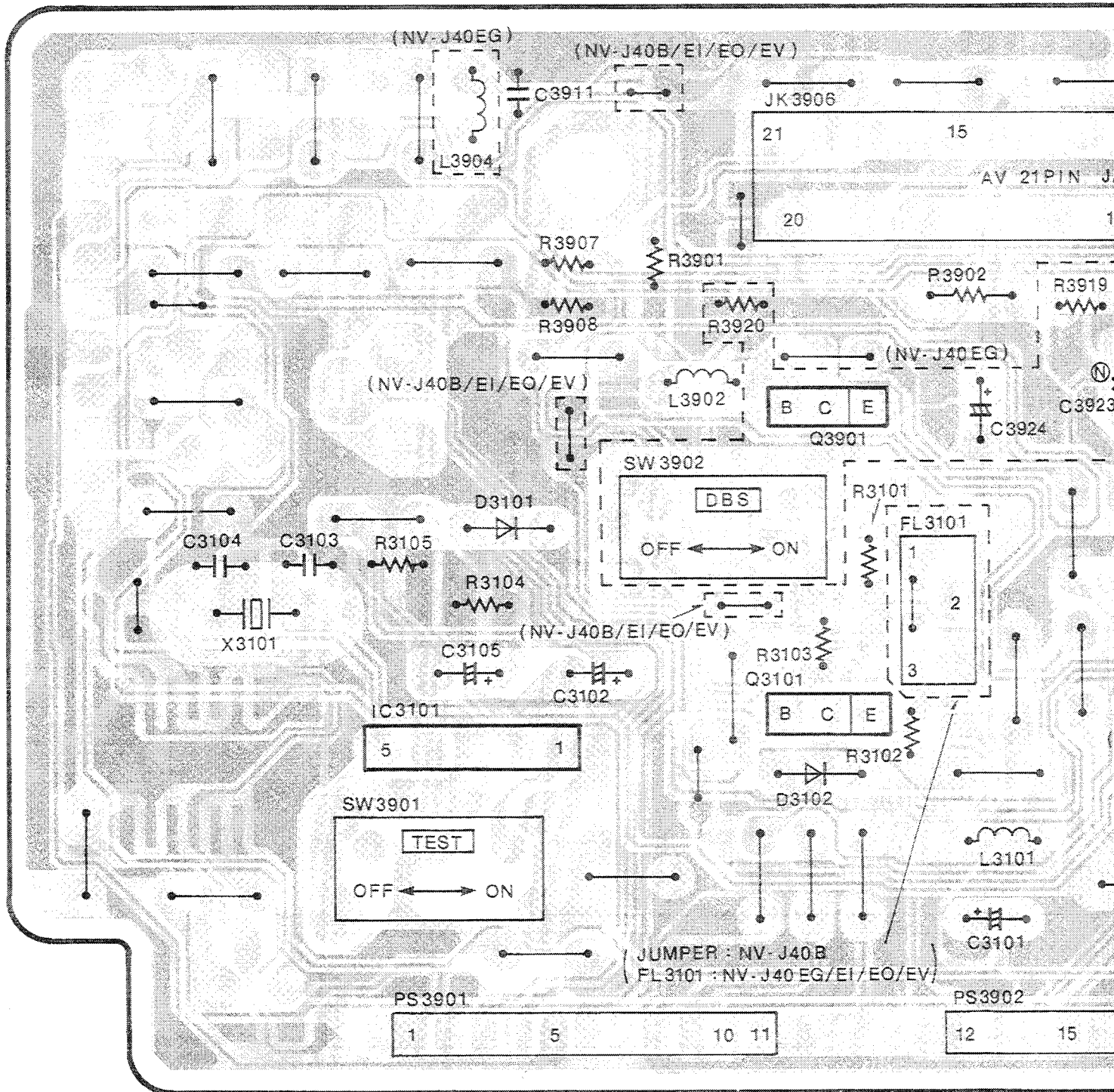
6



NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS () ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL.
 THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL.

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

-12. INPUT/OUTPUT PACK C.B.A. (VEP03883D: NV-J40EG) (VEP03883E: NV-J40B) (VEP03883F: NV-J40B)



1

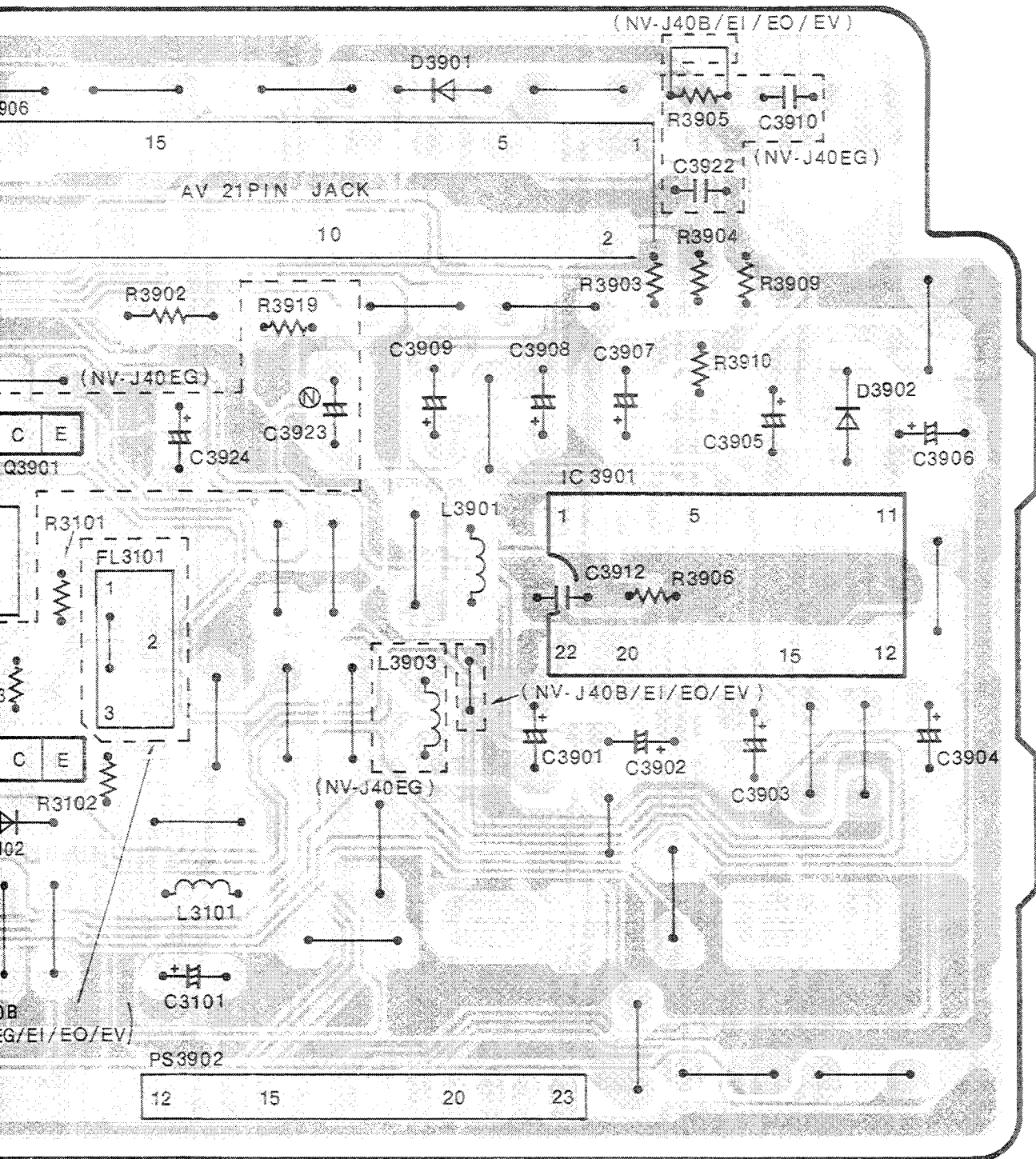
2

3

03883E: NV-J40B) (VEP03883C: NV-J40EI/EO/EV)

INPUT/OUTPUT PACK C.B.A.	
Transistor	
Q3101	B-2
Q3901	B-3
Integrated Circuit	
IC3101	A-2
IC3901	B-4
Connector	
PS3901	A-2
PS3902	A-3

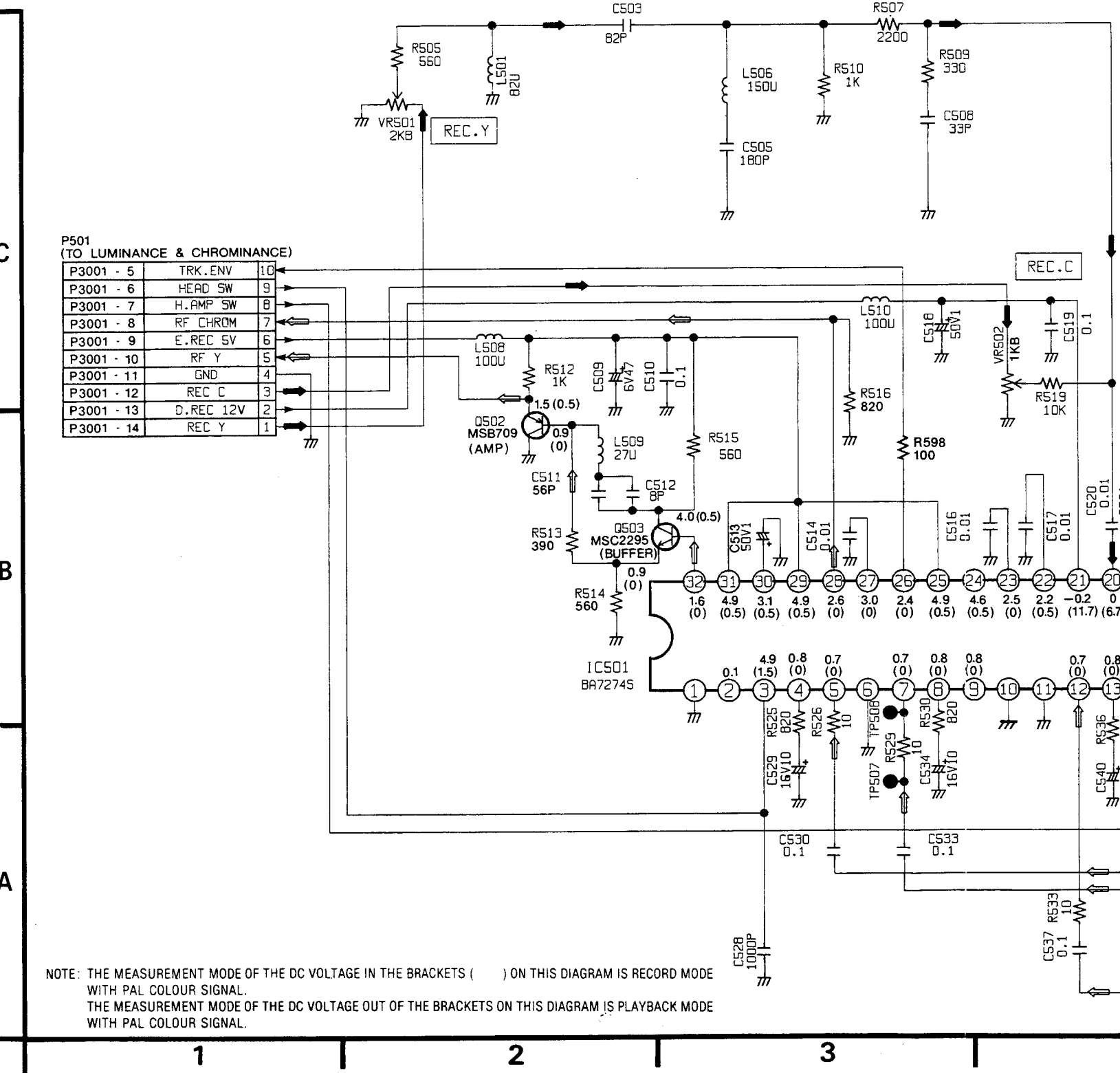
ADDRESS INFORMATION



13. HEAD AMP SCHEMATIC DIAGRAM

VIDEO MAIN SIGNAL PATH IN REC

 VIDEO MAIN SIGNAL PATH IN PLA

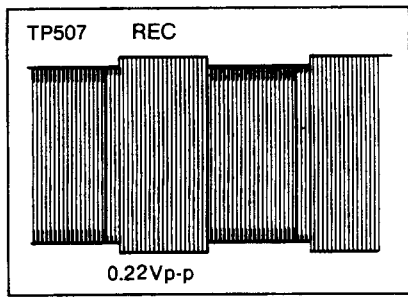
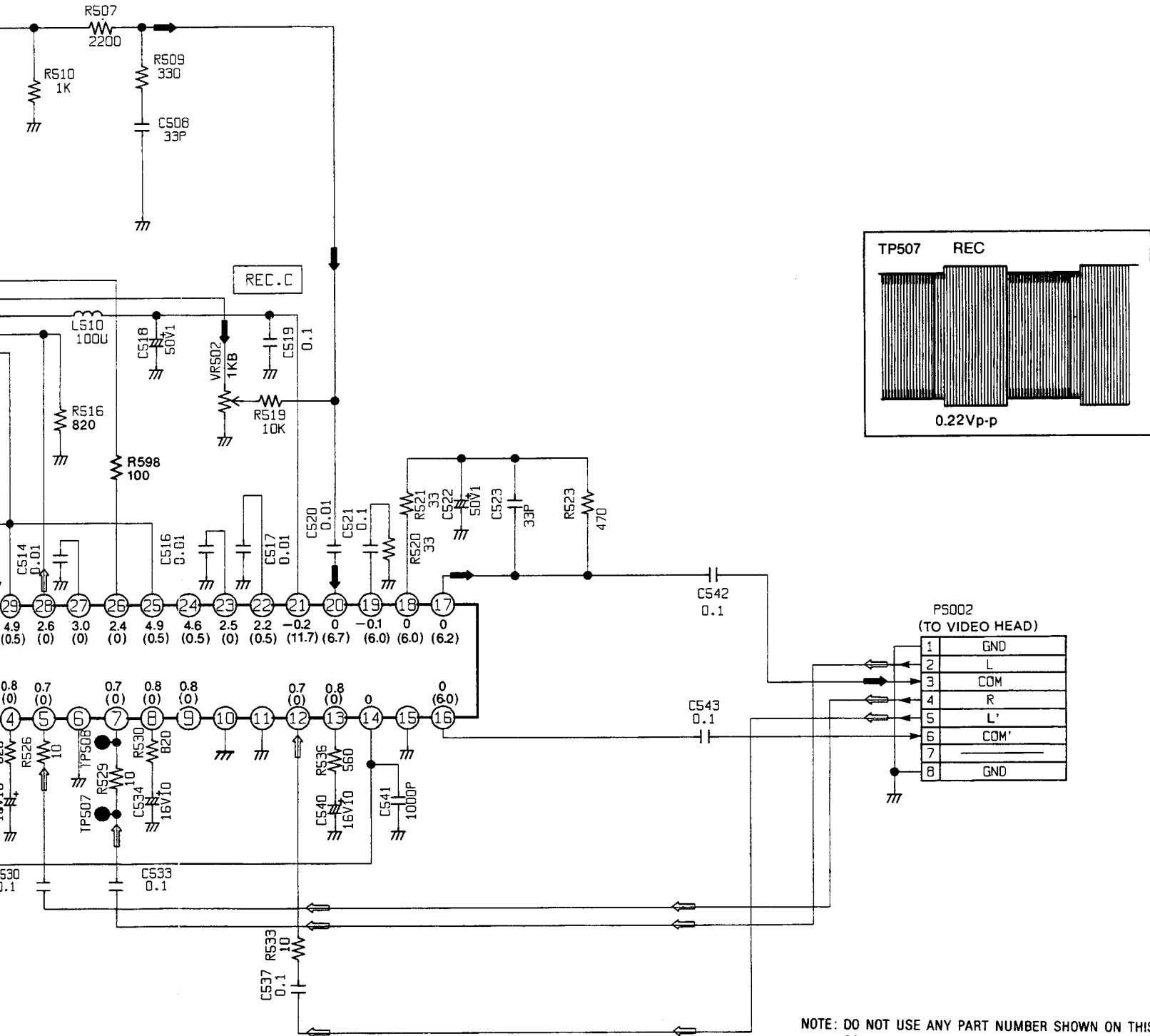


P501
(TO LUMINANCE & CHROMINANCE)

P3001 - 5	TRK. ENV	10
P3001 - 6	HEAD SW	9
P3001 - 7	H. AMP SW	8
P3001 - 8	RF CHROM	7
P3001 - 9	E. REC SV	6
P3001 - 10	RF Y	5
P3001 - 11	GND	4
P3001 - 12	REC C	3
P3001 - 13	D. REC 12V	2
P3001 - 14	REC Y	1

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS () ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL.
 THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL.

TO MAIN SIGNAL PATH IN REC MODE
 TO MAIN SIGNAL PATH IN PLAYBACK MODE



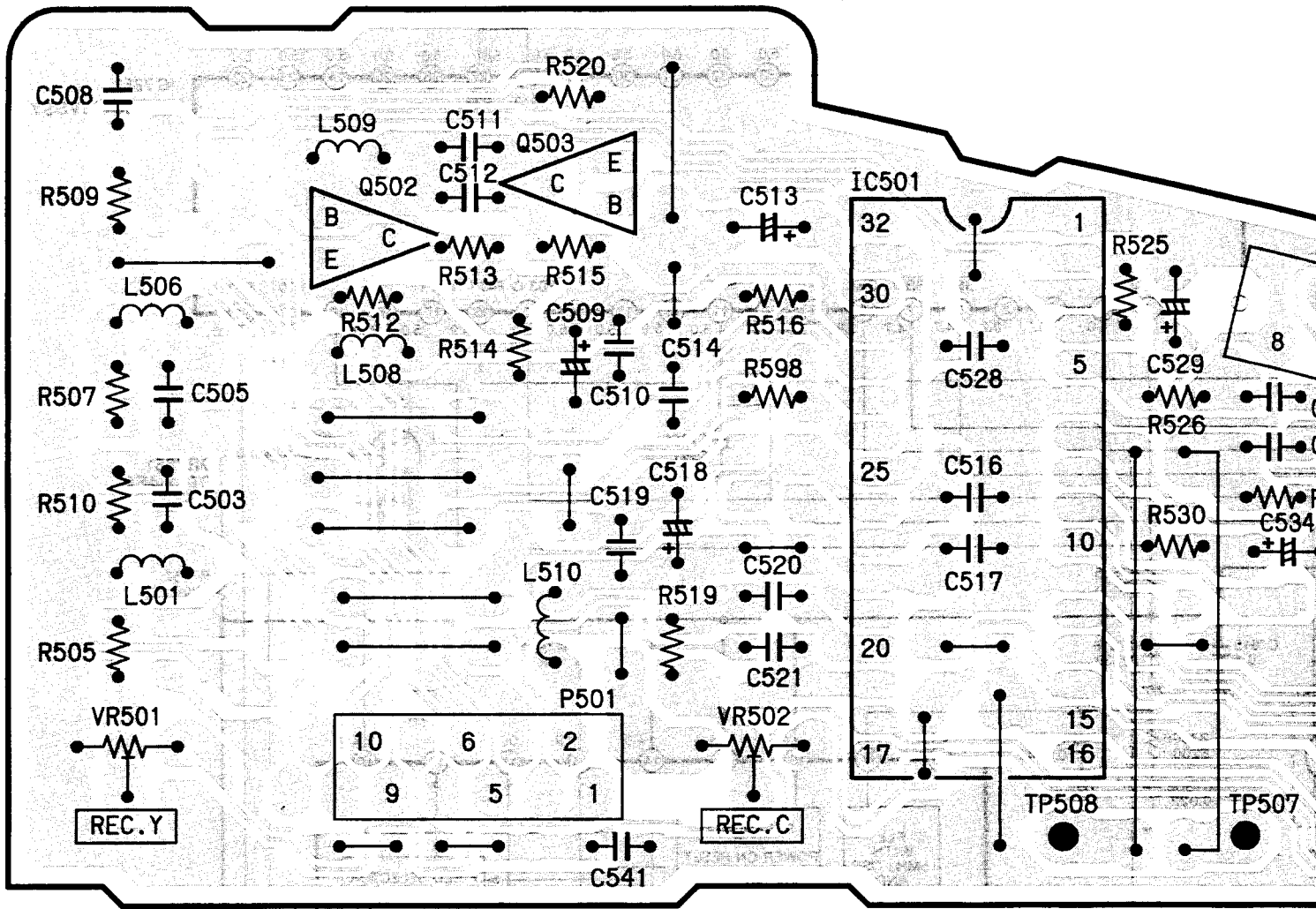
PS002
(TO VIDEO HEAD)

1	GND
2	L
3	COM
4	R
5	L'
6	COM'
7	
8	GND

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

3 | 4 | 5 | 6

14. HEAD AMP C.B.A. (VEP05167E)

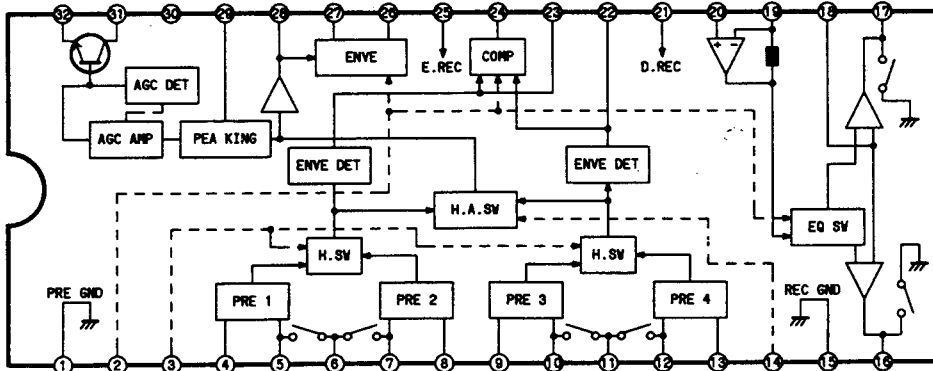


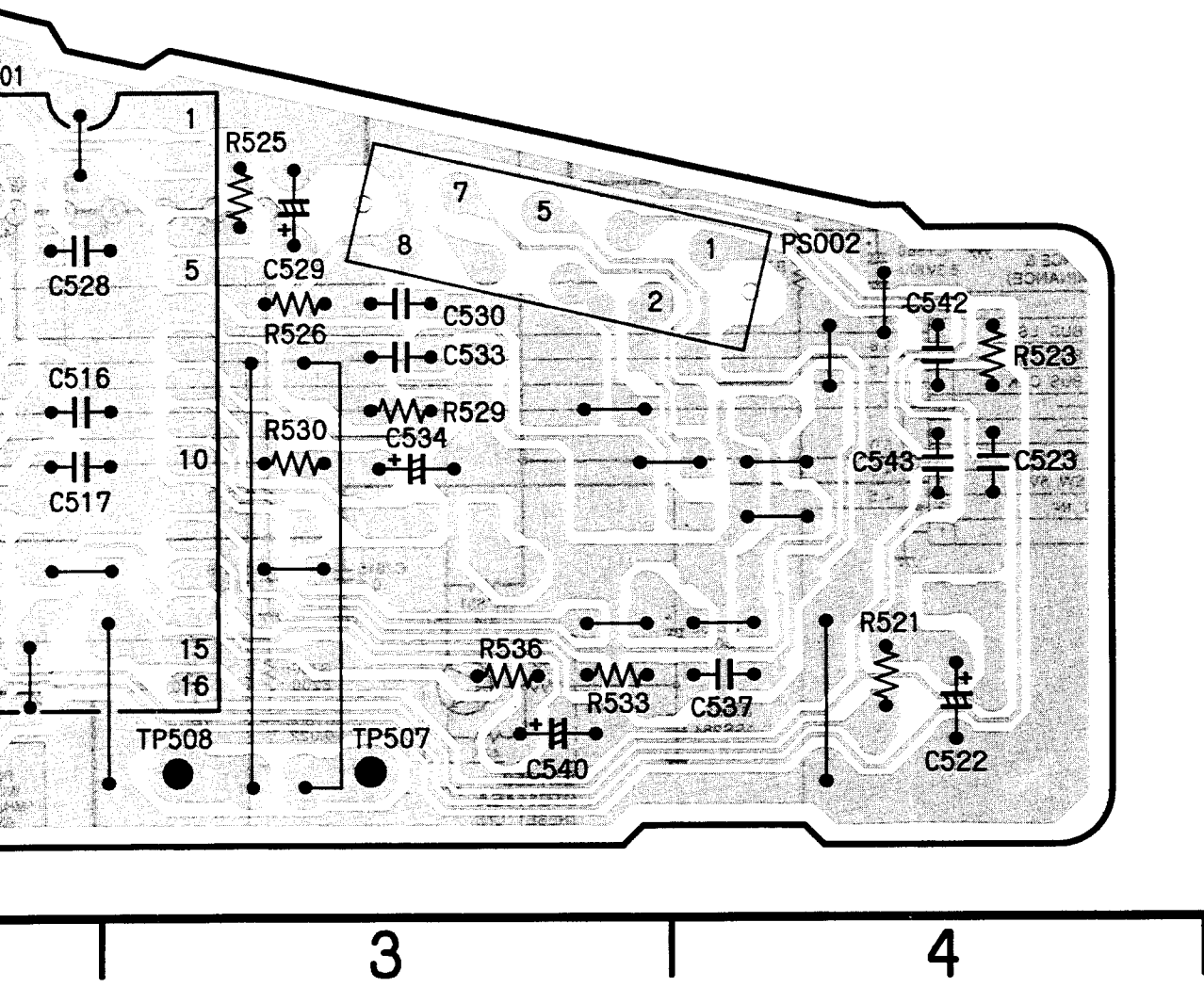
1

2

3

IC BLOCK
IC501 (BA7274S)

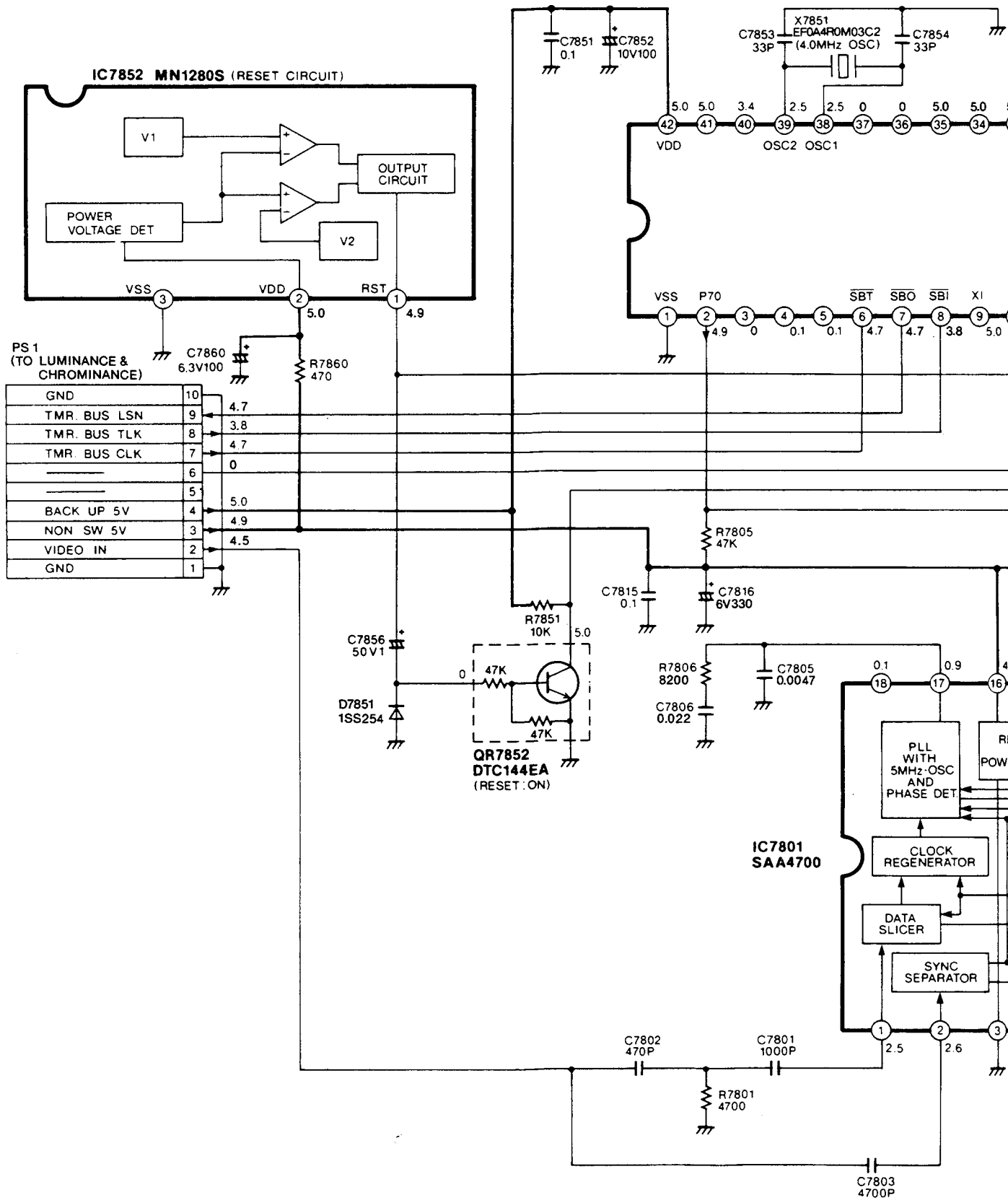




HEAD AMP C.B.A.	
Transistor	
Q502	B-1
Q503	B-2
Integrated Circuit	
IC501	B-2
Test Point	
TP507	A-3
TP508	A-3
Adjustment	
VR501	A-1
VR502	A-2
Connector	
P501	A-2
P502	B-4

ADDRESS INFORMATION

3-15. VPS PACK (NV-J40EG/EV), VW-VPS5 (OPTION: NV-J40EI/EO) SCHEMATIC DIAGRAM



NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

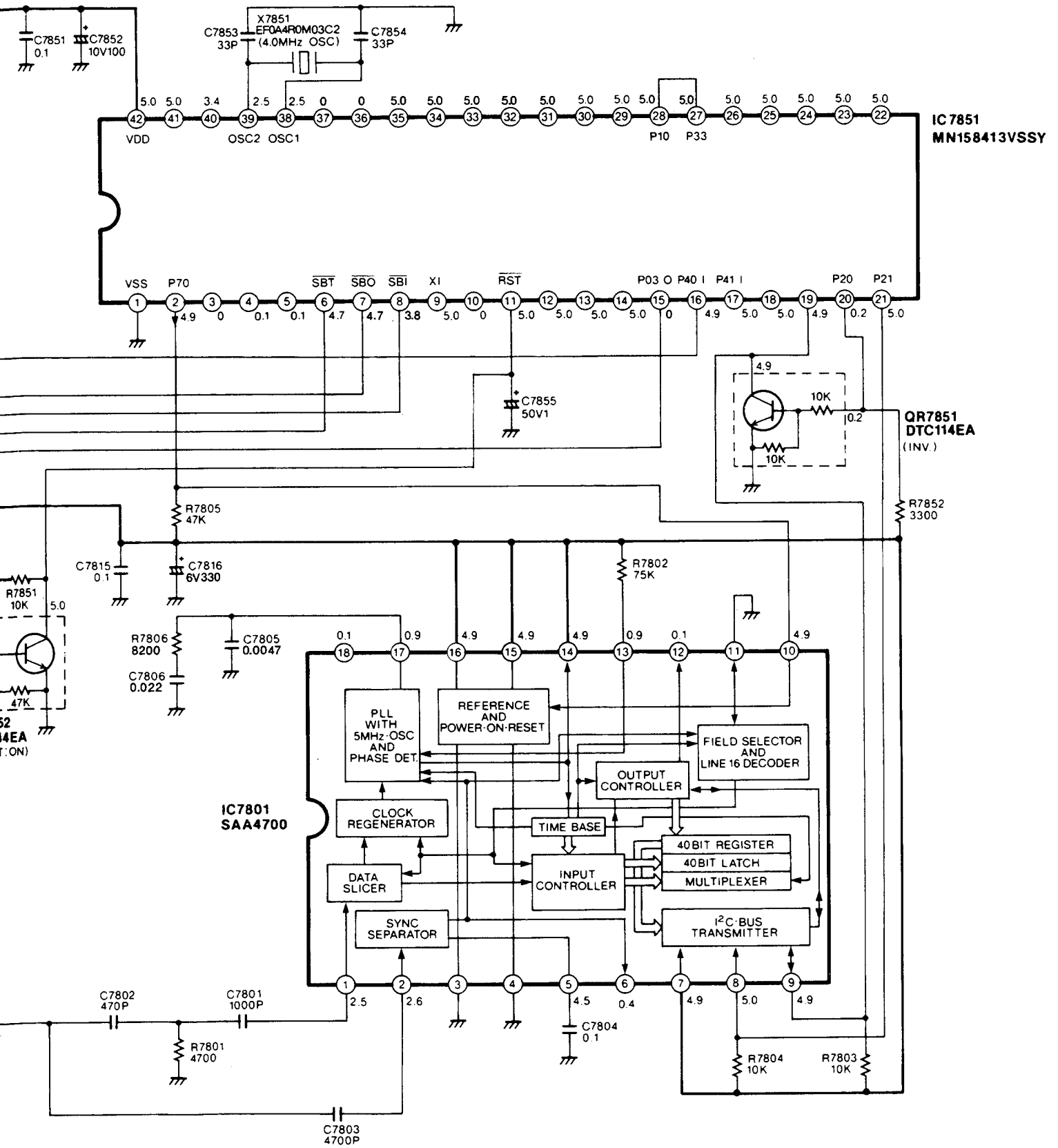
1

2

3

4

NOTE: NV-J40EI/EO) SCHEMATIC DIAGRAM



NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

3

4

5

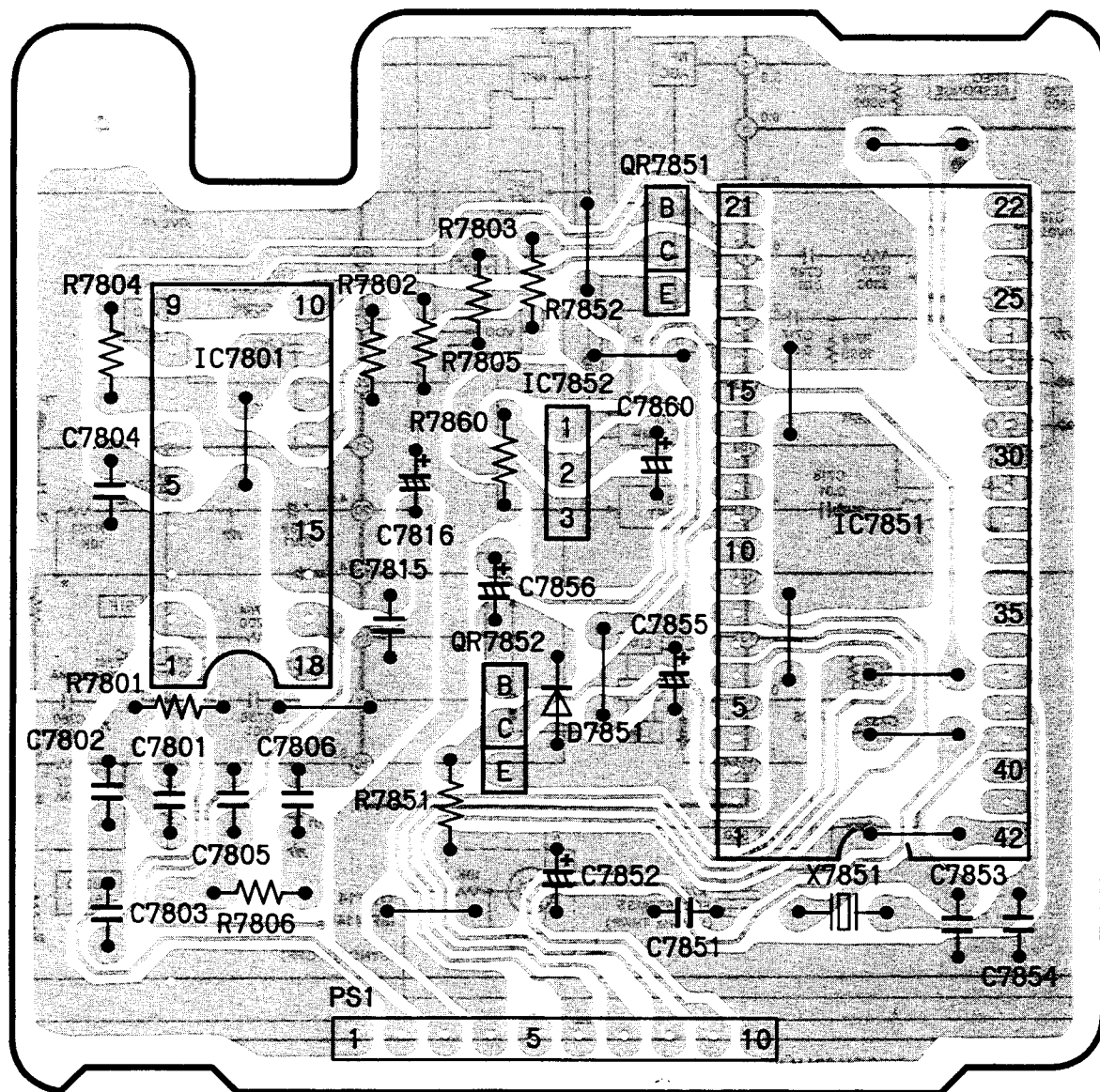
6

3-16. VPS PACK C.B.A. (VEP07538E: NV-J40EG/EV),
VW-VPS5 (OPTION: NV-J40EI/EO)

VPS PACK C.B.A.	
Transistor & Resistor	
QR7851	C-2
QR7852	B-2
Integrated Circuit	
IC7801	C-1
IC7851	B-3
IC7852	C-2
Connector	
PS1	A-2

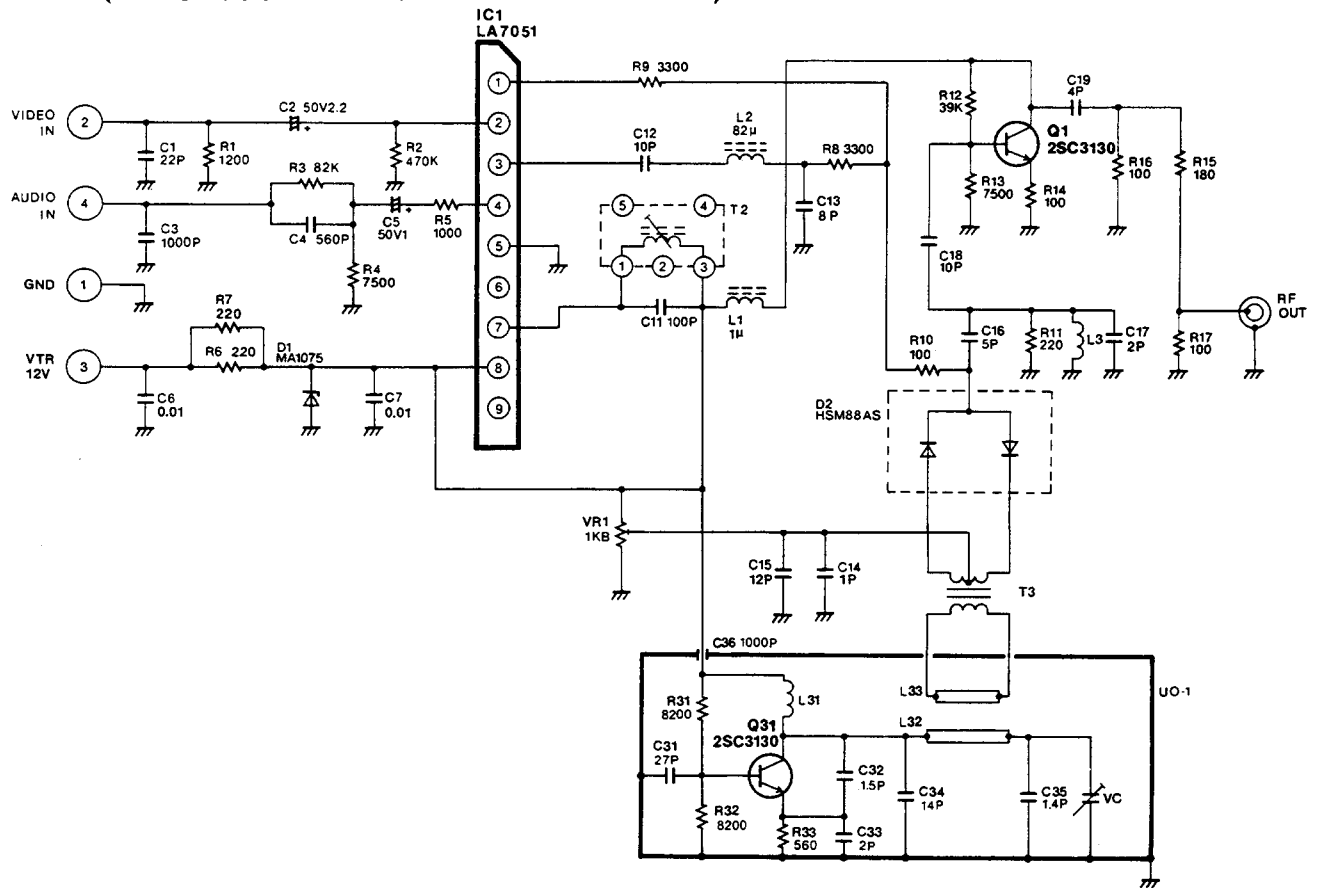
ADDRESS INFORMATION

- VIDEO IN (2)
- AUDIO IN (4)
- GND (1)
- VTR 12V (3)

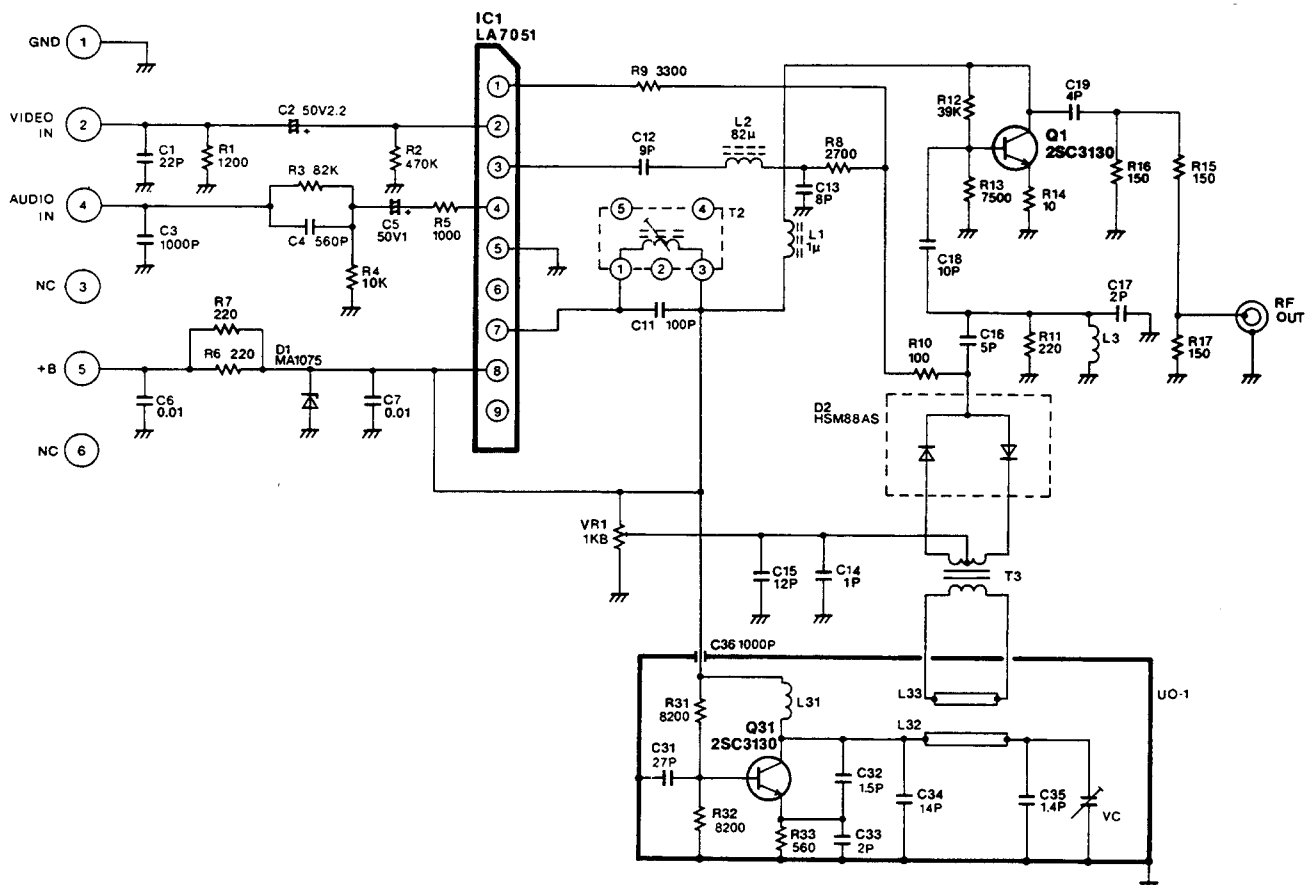


- 3-18. R (I)
- GND (1)
 - VIDEO IN (2)
 - AUDIO IN (4)
 - NC (3)
 - B (5)
 - NC (6)

3-17. RF CONVERTER SCHEMATIC DIAGRAM (ENC17984: NV-J40EG/EI/EO/EV)



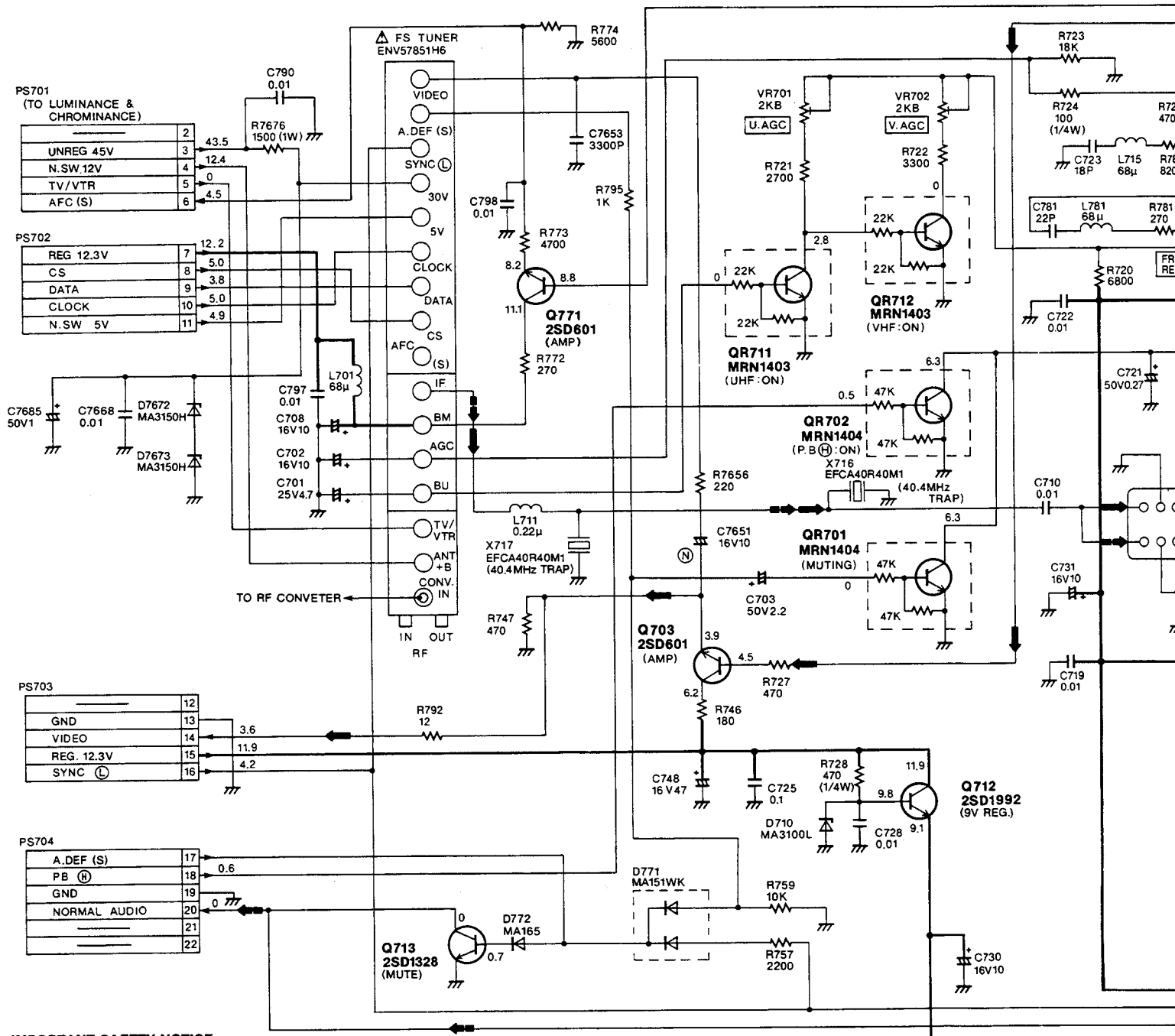
3-18. RF CONVERTER SCHEMATIC DIAGRAM (ENC17982: NV-J40B)



3-19. TV DEMODULATOR PACK SCHEMATIC DIAGRAM (NV-J40EG/EI/EO/EV)

← VIDEO SIGNAL PATH

← AUDIO SIGNAL PATH



IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK Δ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

NOTE: THE MEASUREMENT MODE OF THE DC V

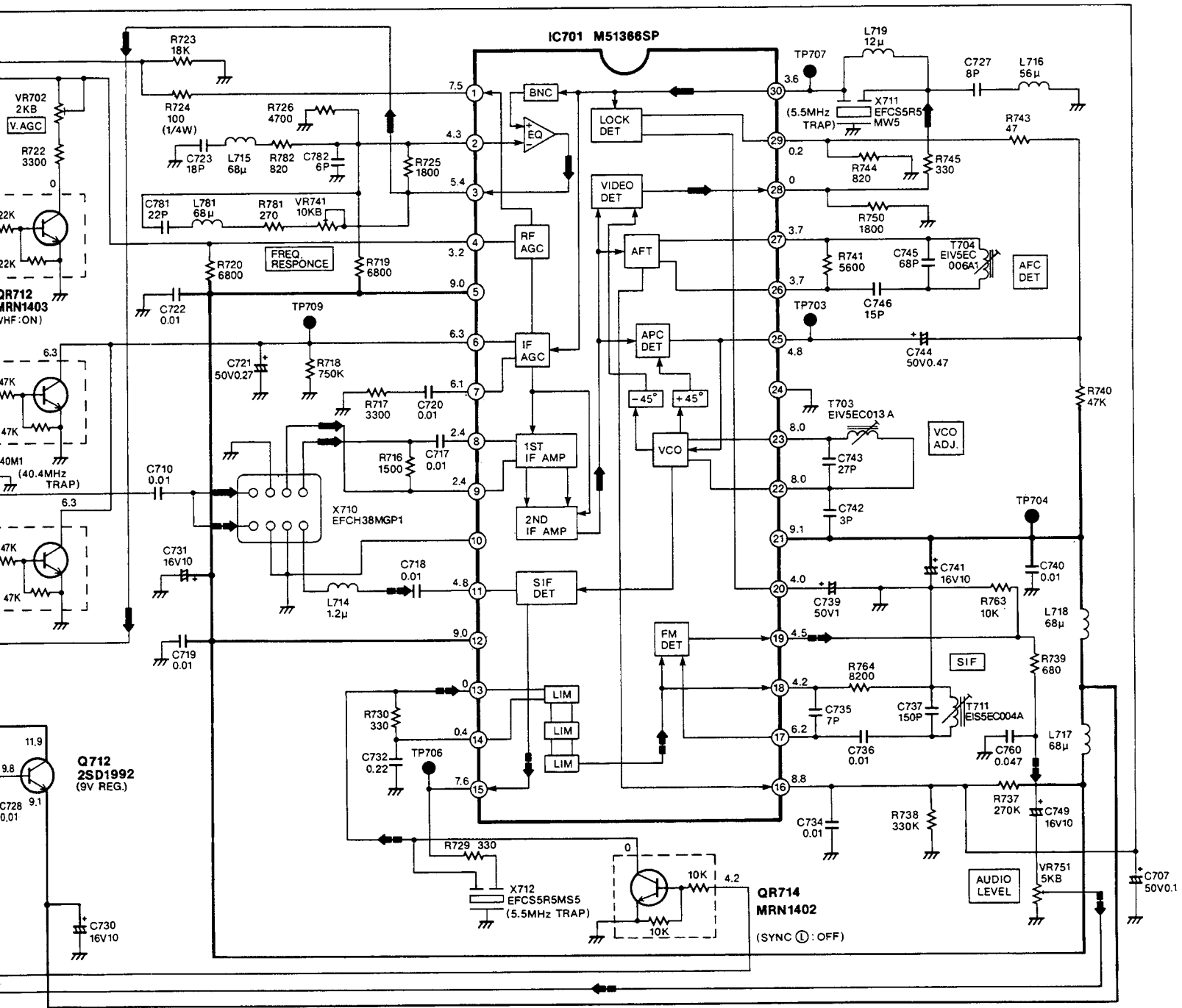
1

2

3

4

AL PATH

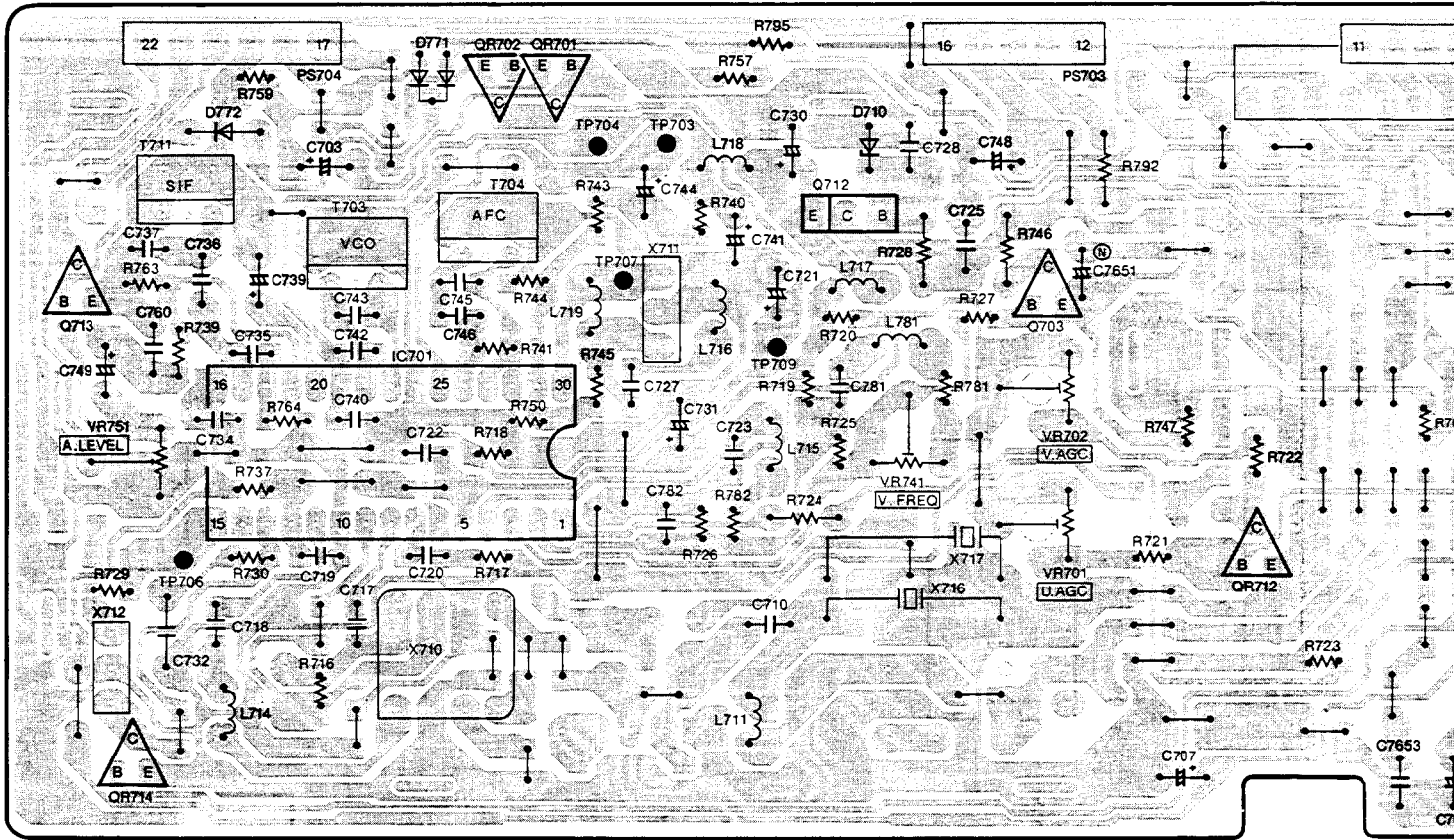


NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

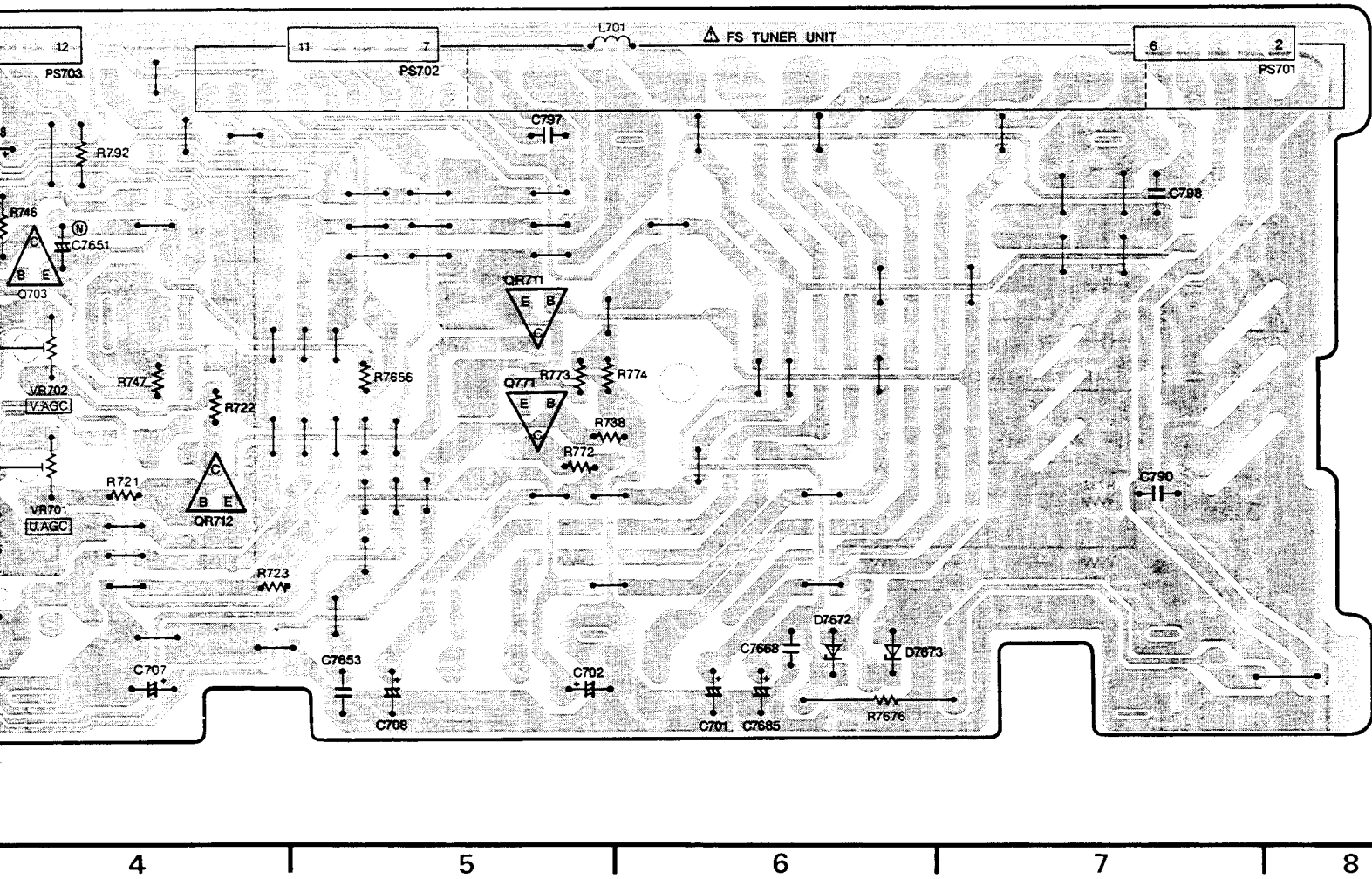
4 | 5 | 6 | 7 | 8

3-20. TV DEMODULATOR PACK C.B.A. (VEP07643A: NV-J40EG/EI/EO/EV)

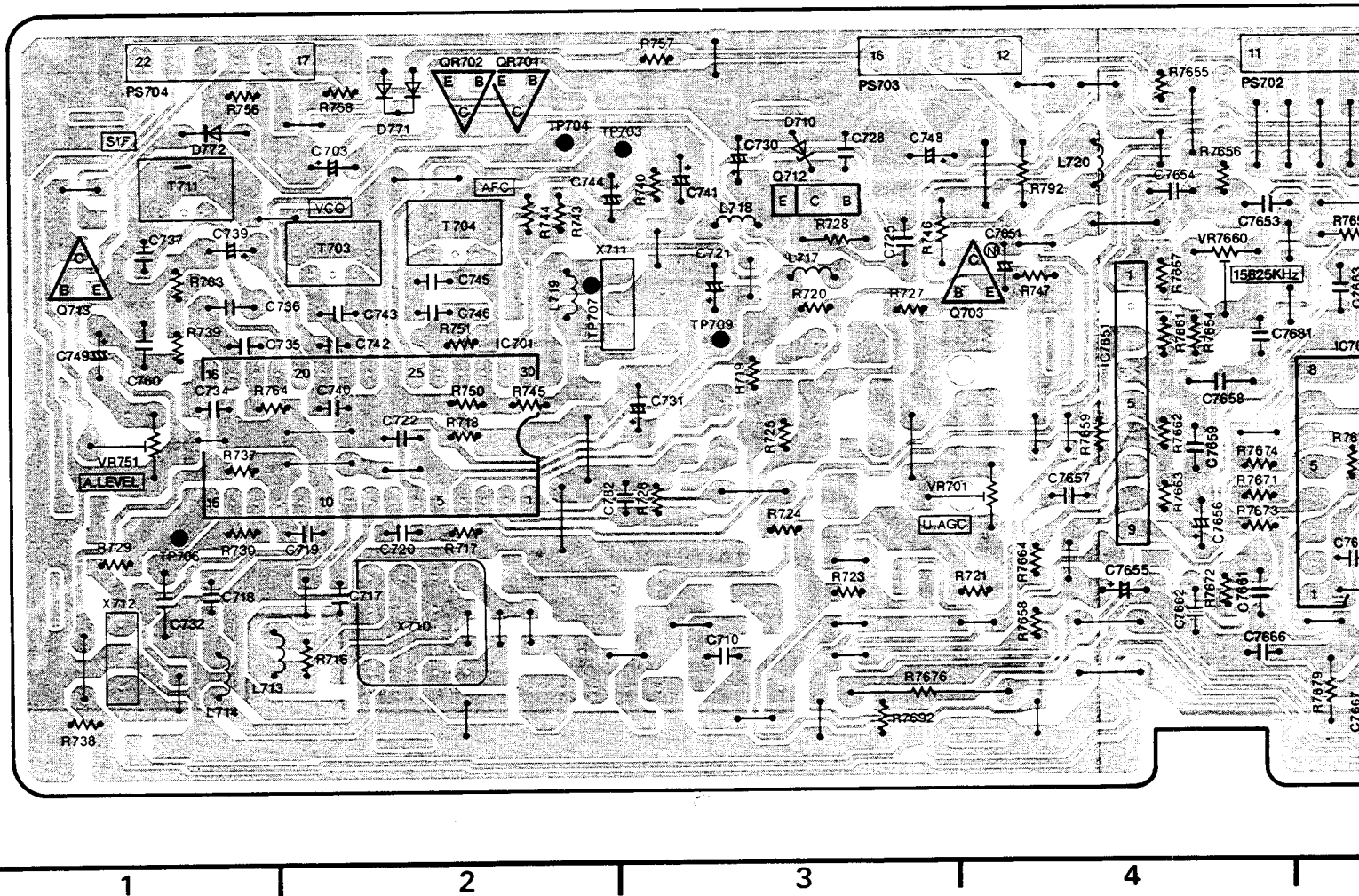


TV DEMODULATOR PACK C.B.A.			
Transistor		TP706	B-1
Q703	B-4	TP707	B-3
Q712	C-3	TP709	B-3
Q713	B-1	Adjustment	
Q771	B-5	T703	C-2
Transistor & Resistor		T704	C-2
QR701	C-2	T711	C-1
QR702	C-2	VR701	B-4
QR711	B-5	VR702	B-4
QR712	B-4	VR741	B-3
QR714	A-1	VR751	B-1
Integrated Circuit		Connector	
IC701	B-2	PS701	C-8
Test Point		PS702	C-5
TP703	C-3	PS703	C-4
TP704	C-2	PS704	C-2

ADDRESS INFORMATION

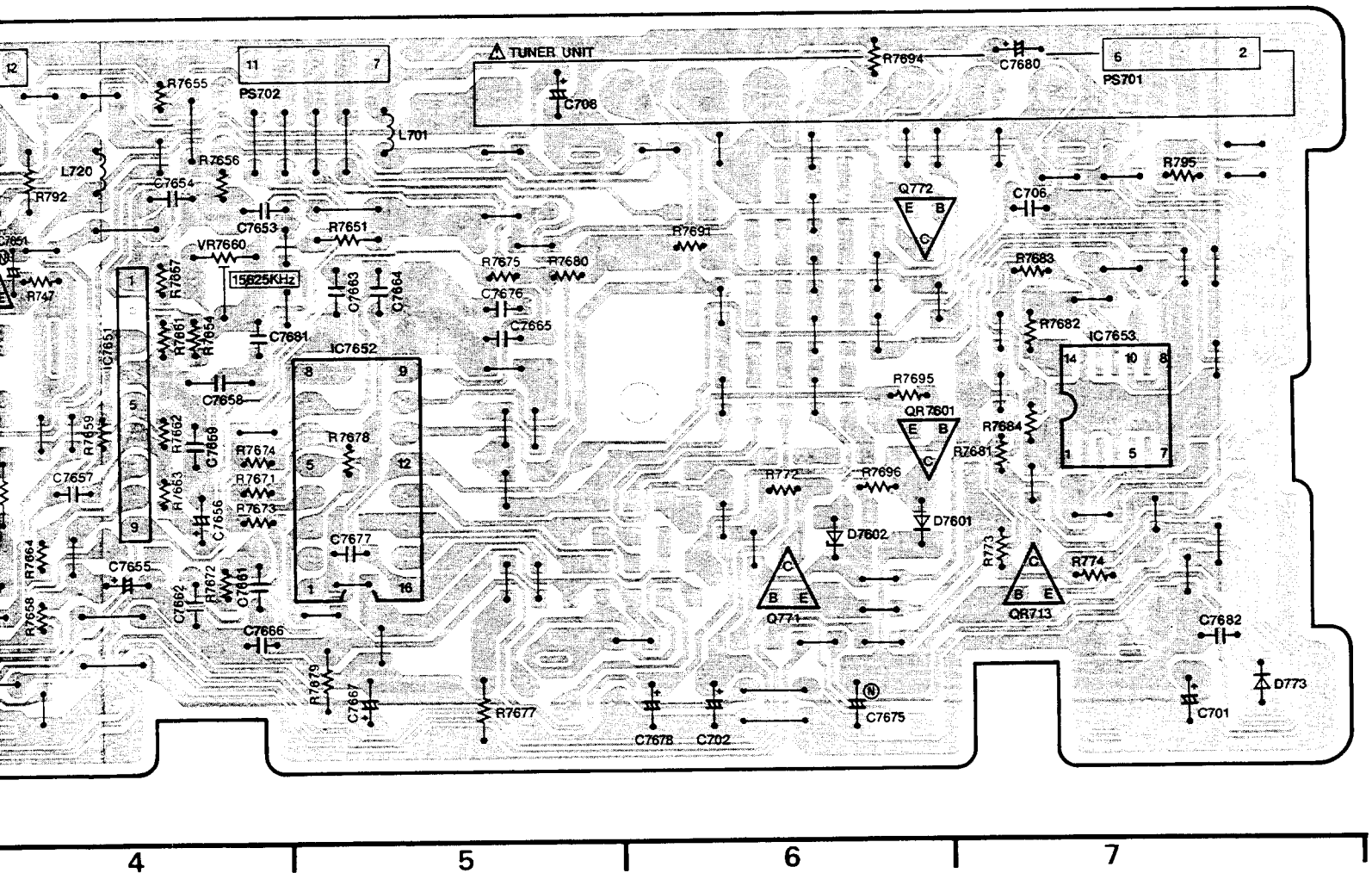


3-21. TV DEMODULATOR PACK C.B.A. (VEP07645A: NV-J40B)

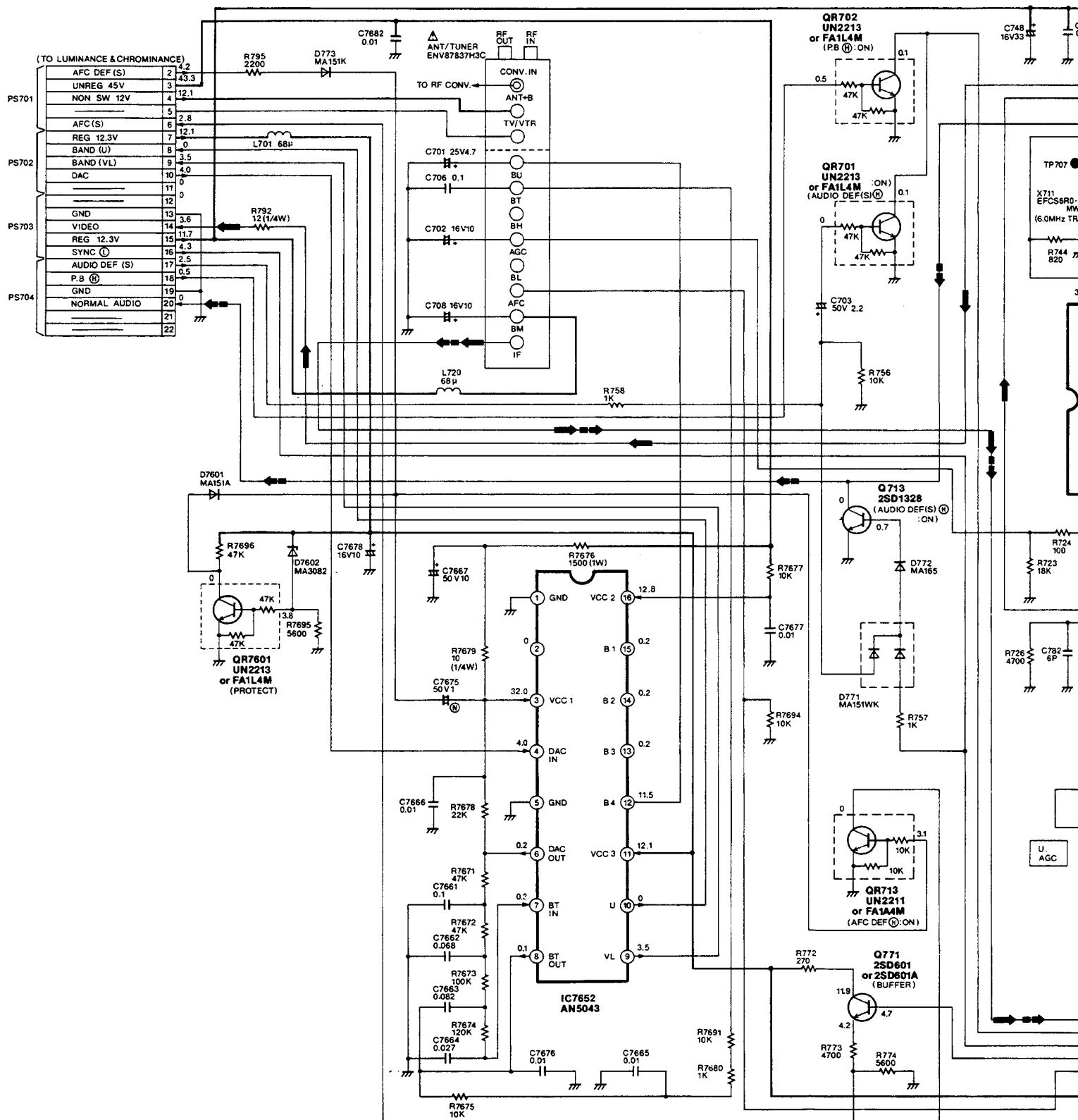


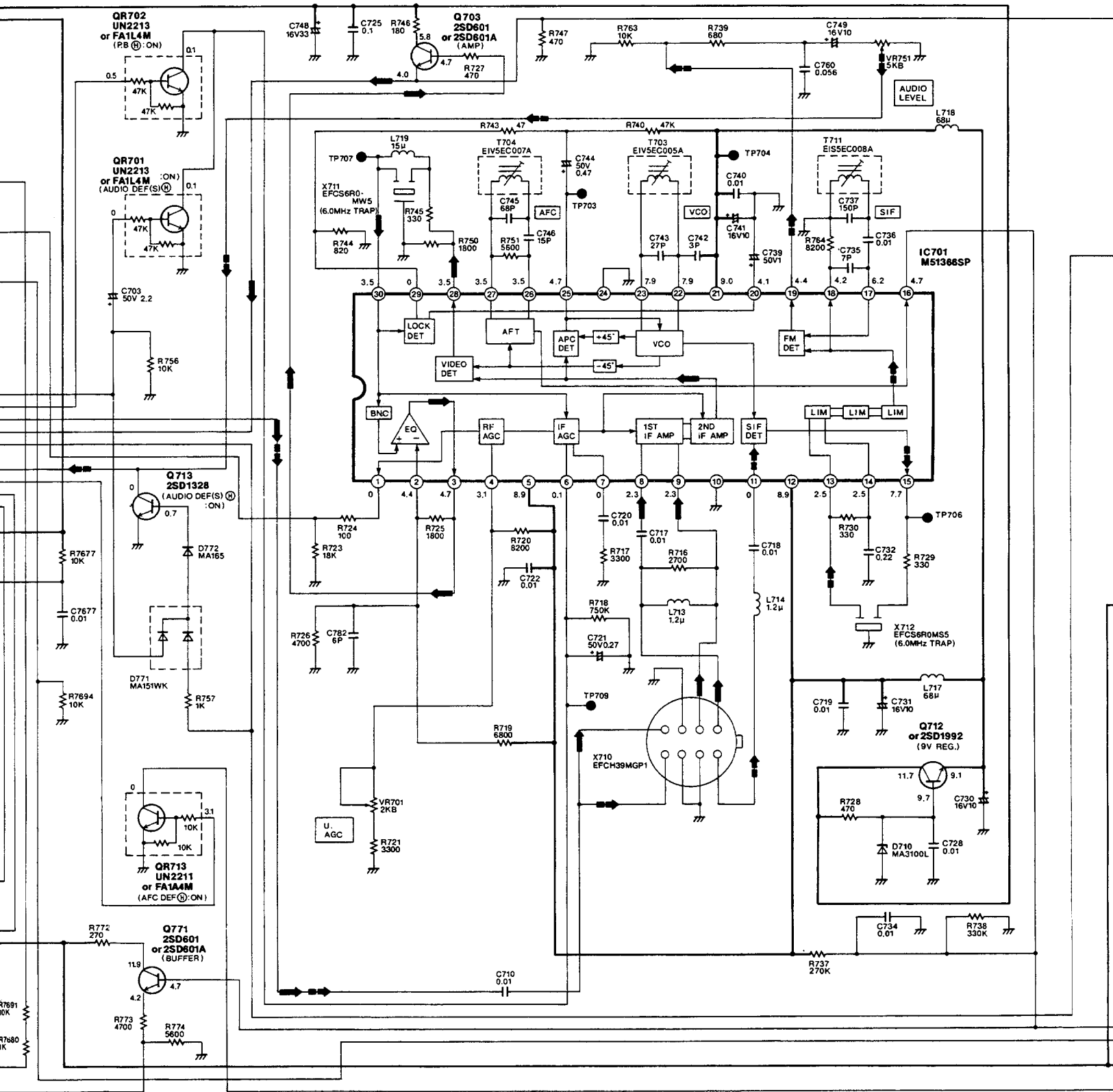
TV DEMODULATOR PACK C.B.A.			
Transistor		TP706	A-1
Q703	B-4	TP707	B-2
Q712	B-3	TP709	B-3
Q713	B-1	Adjustment	
Q771	A-6	T703	B-2
Q772	B-6	T704	B-2
Transistor & Resistor		T711	C-1
QR701	C-2	VR701	B-4
QR702	C-2	VR751	B-1
QR713	A-7	VR7660	B-4
QR7601	B-6	Connector	
Integrated Circuit		PS701	C-7
IC701	B-2	PS702	C-5
IC7651	B-4	PS703	C-3
IC7652	B-5	PS704	C-1
IC7653	B-7		
Test Point			
TP703	C-3		
TP704	C-2		


ADDRESS INFORMATION



22. TV DEMODULATOR PACK SCHEMATIC DIAGRAM (NV-J40B)





IMPORTANT SAFETY NOTICE:
 COMPONENTS IDENTIFIED WITH THE MARK  HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
 WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

NOTE: THE MEASUREMENT

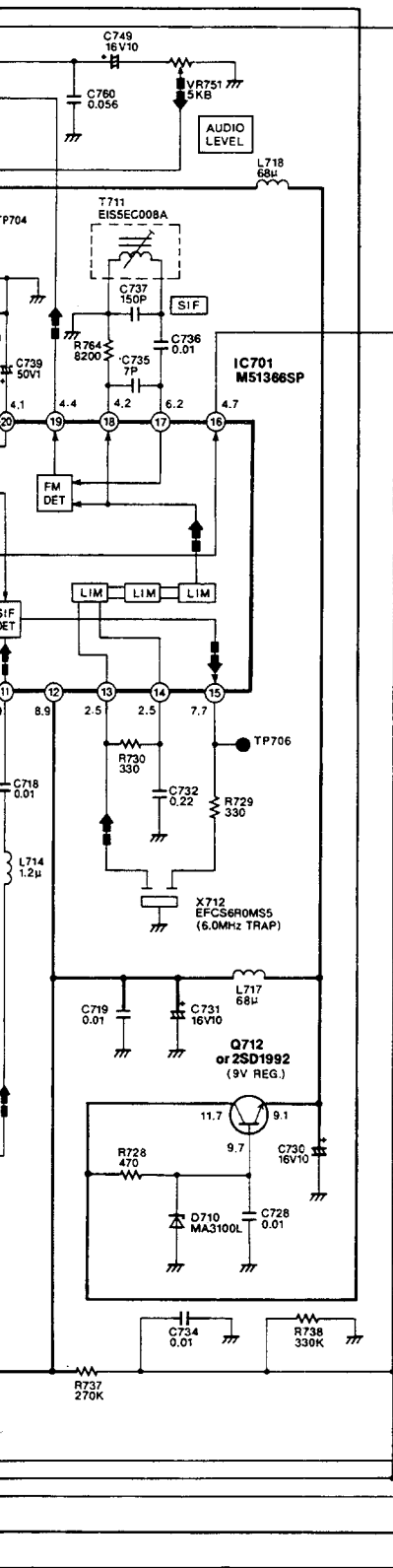
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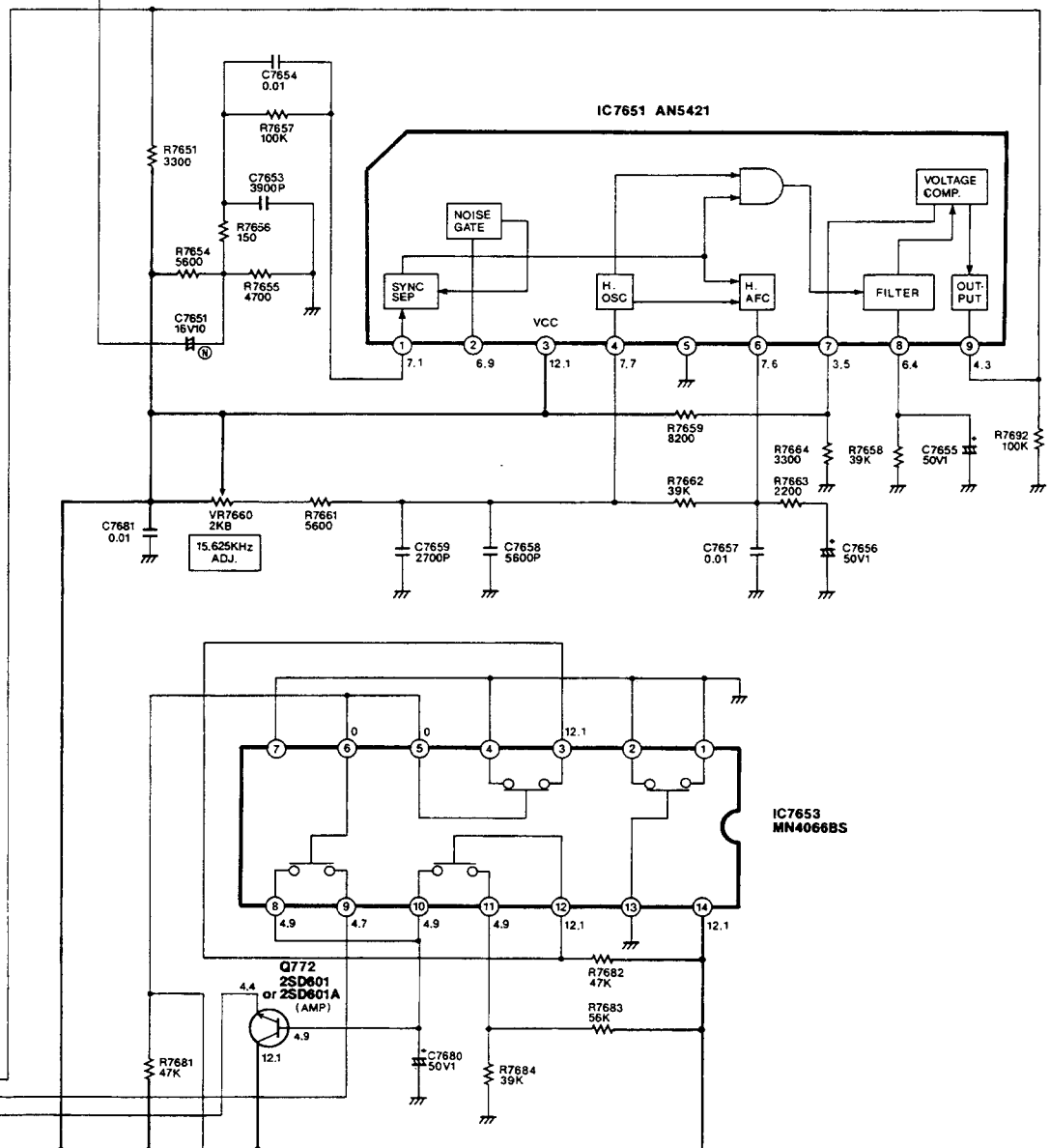
8

9



← VIDEO SIGNAL PATH

← AUDIO SIGNAL PATH



CHARACTERISTICS FOR SAFETY.

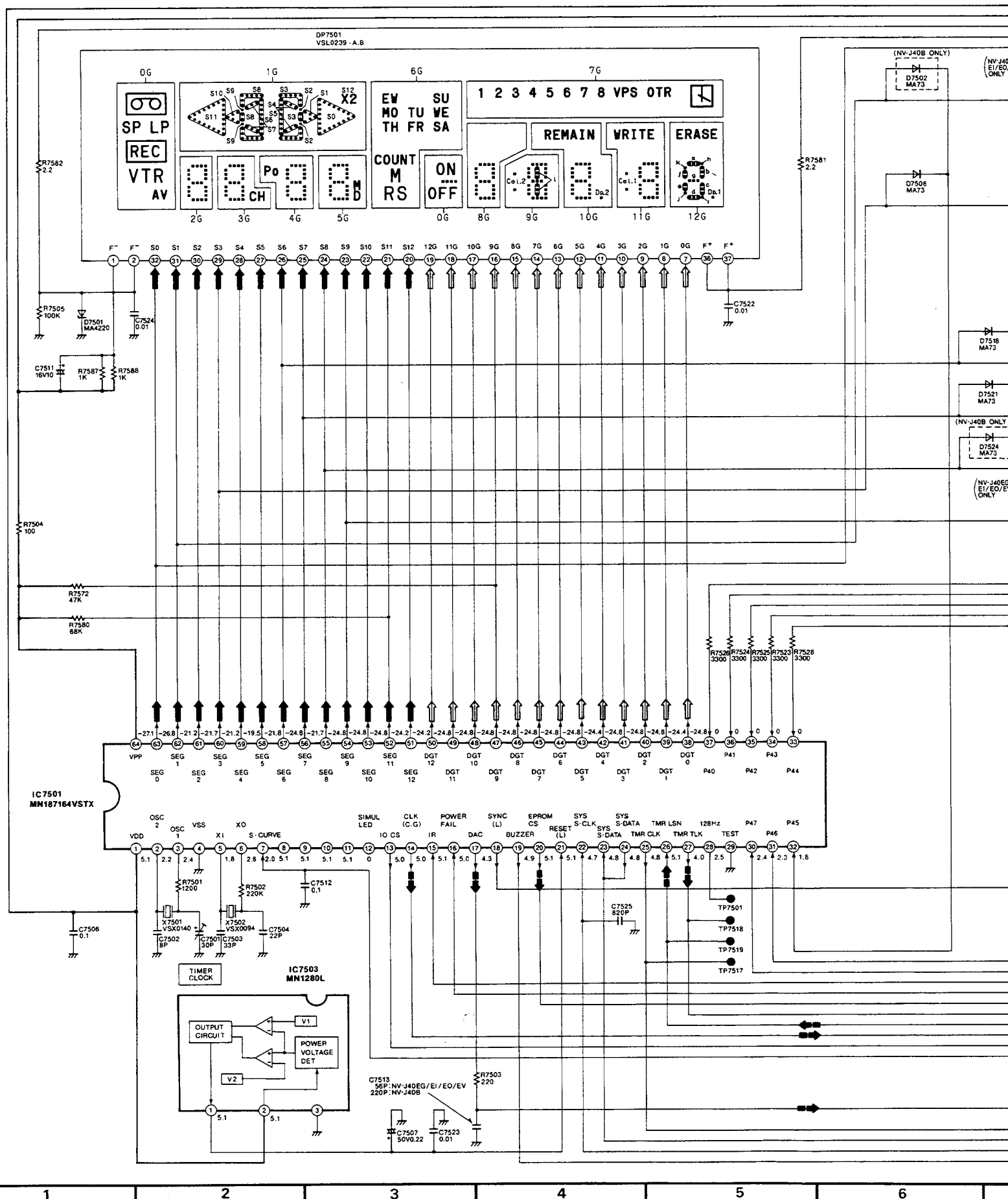
NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.



23. TIMER & OPERATION SCHEMATIC DIAGRAM

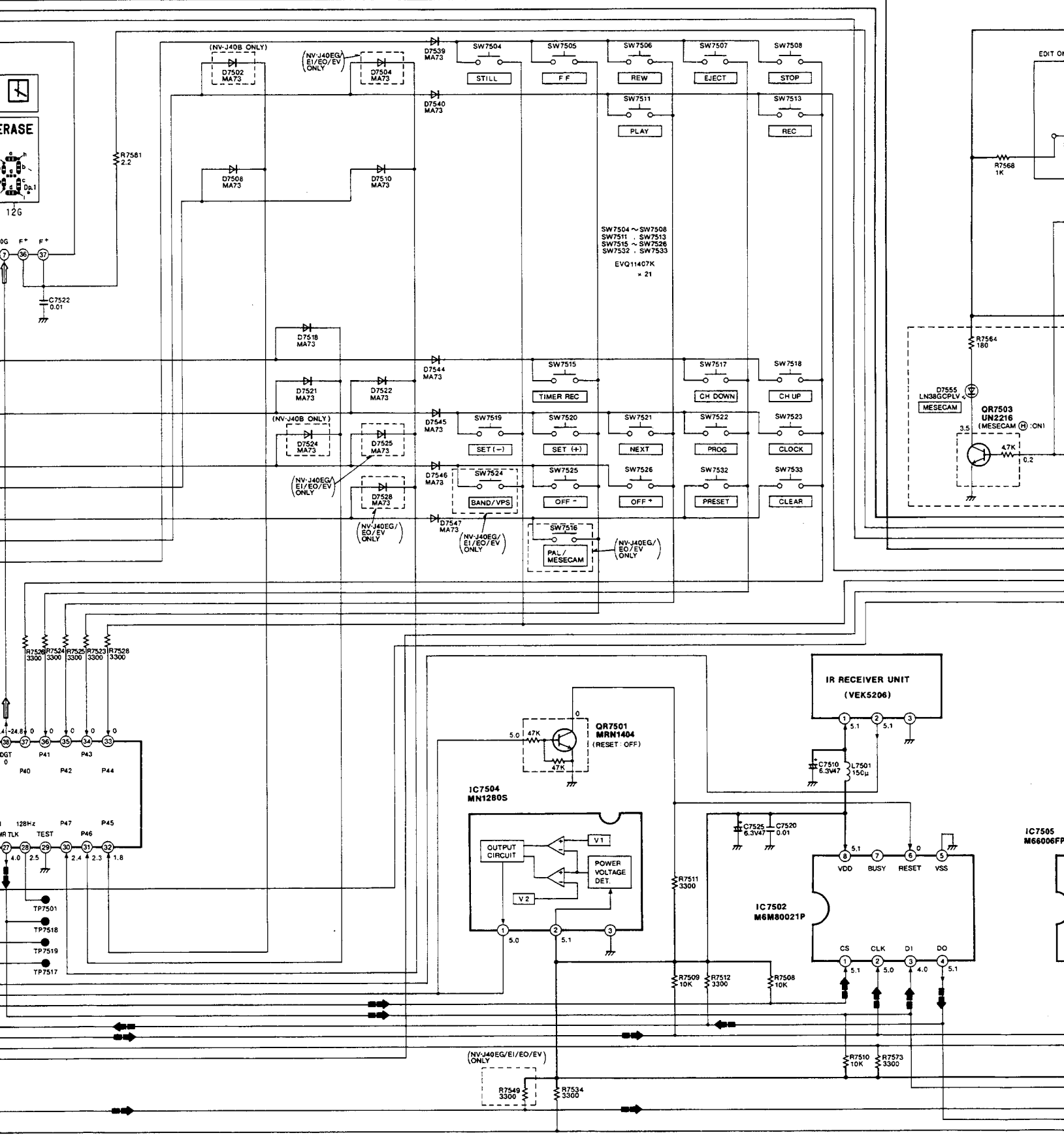
← SEGMENT CONTROL SIGNAL



← SEGMENT CONTROL SIGNAL

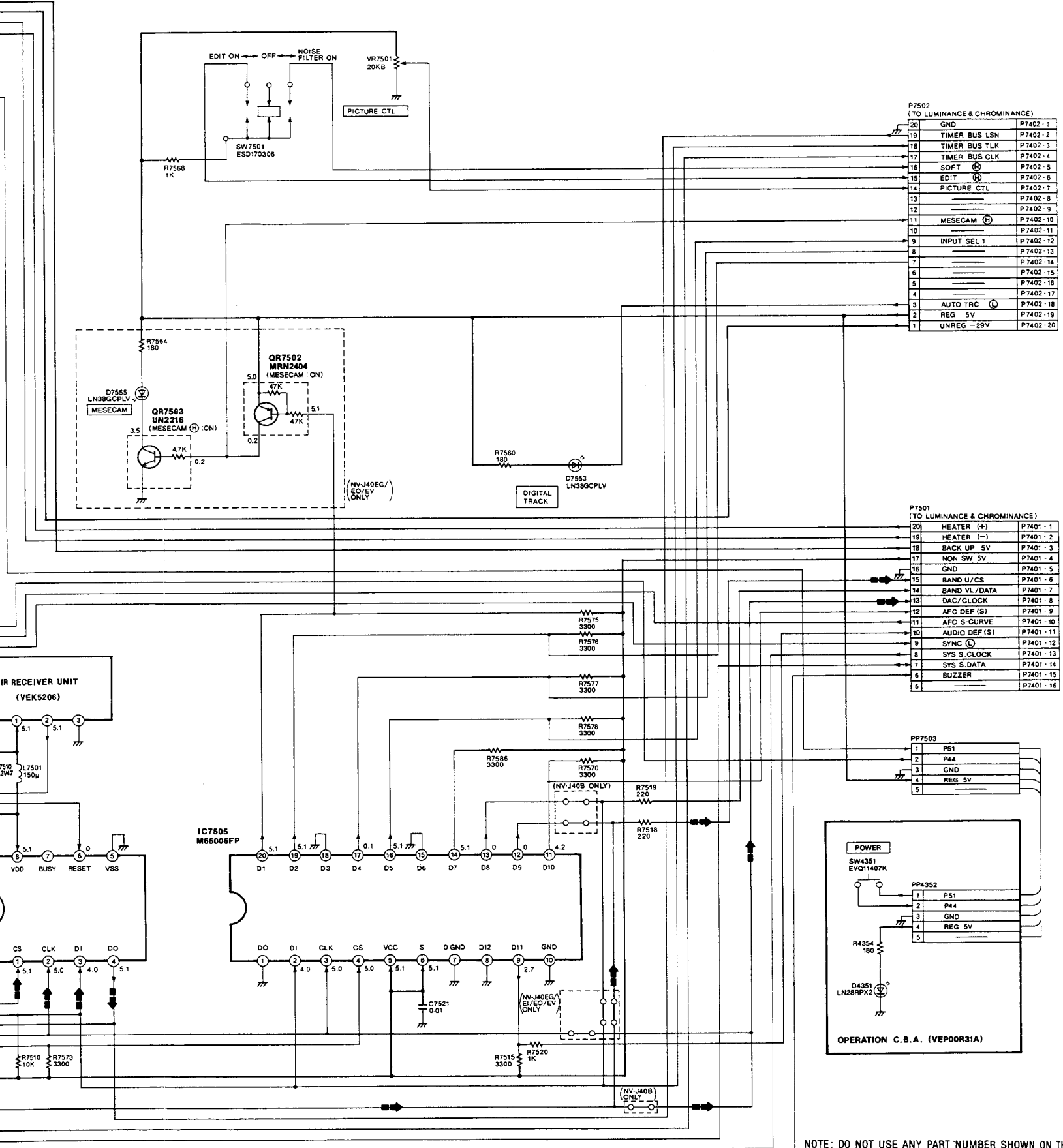
← GRID CONTROL SIGNAL

← TUNE CONTROL



NOTE: THE MEASUREMENT MODE OF THE DC

← TUNE CONTROL SIGNAL

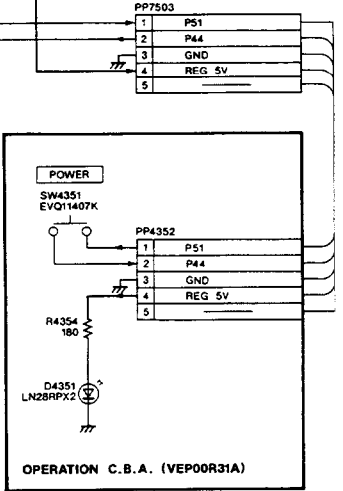


P7502
(TO LUMINANCE & CHROMINANCE)

20	GND	P7402-1
19	TIMER BUS LSN	P7402-2
18	TIMER BUS TLK	P7402-3
17	TIMER BUS CLK	P7402-4
16	SOFT	P7402-5
15	EDIT	P7402-6
14	PICTURE CTL	P7402-7
13		P7402-8
12		P7402-9
11	MESECAM	P7402-10
10		P7402-11
9	INPUT SEL 1	P7402-12
8		P7402-13
7		P7402-14
6		P7402-15
5		P7402-16
4		P7402-17
3	AUTO TRC	P7402-18
2	REG 5V	P7402-19
1	UNREG -29V	P7402-20

P7501
(TO LUMINANCE & CHROMINANCE)

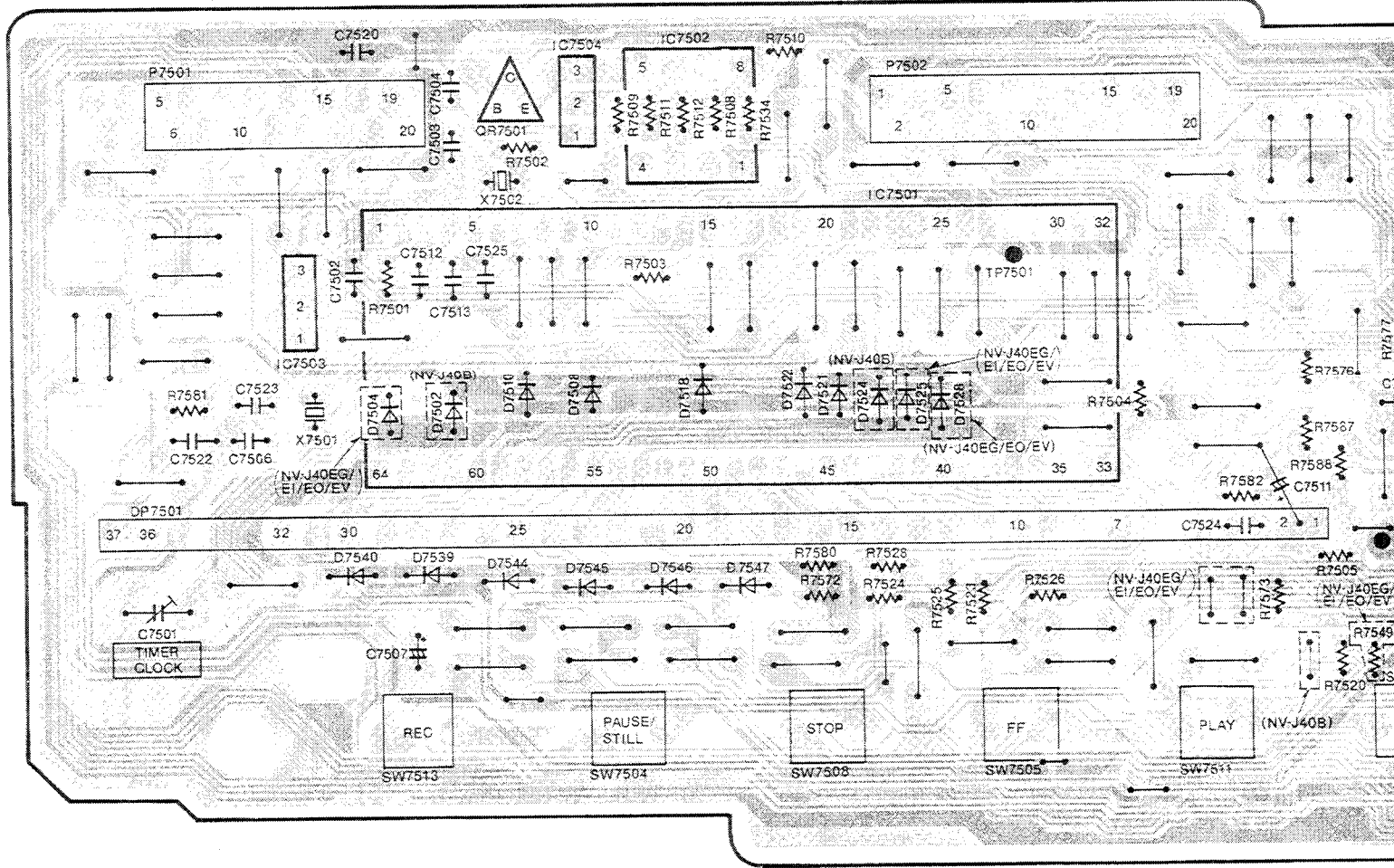
20	HEATER (+)	P7401-1
19	HEATER (-)	P7401-2
18	BACK UP 5V	P7401-3
17	NON SW 5V	P7401-4
16	GND	P7401-5
15	BAND U/CS	P7401-6
14	BAND VL/DATA	P7401-7
13	DAC/CLOCK	P7401-8
12	AFC DEF (S)	P7401-9
11	AFC S-CURVE	P7401-10
10	AUDIO DEF (S)	P7401-11
9	SYNC	P7401-12
8	SYS S. CLOCK	P7401-13
7	SYS S. DATA	P7401-14
6	BUZZER	P7401-15
5		P7401-16



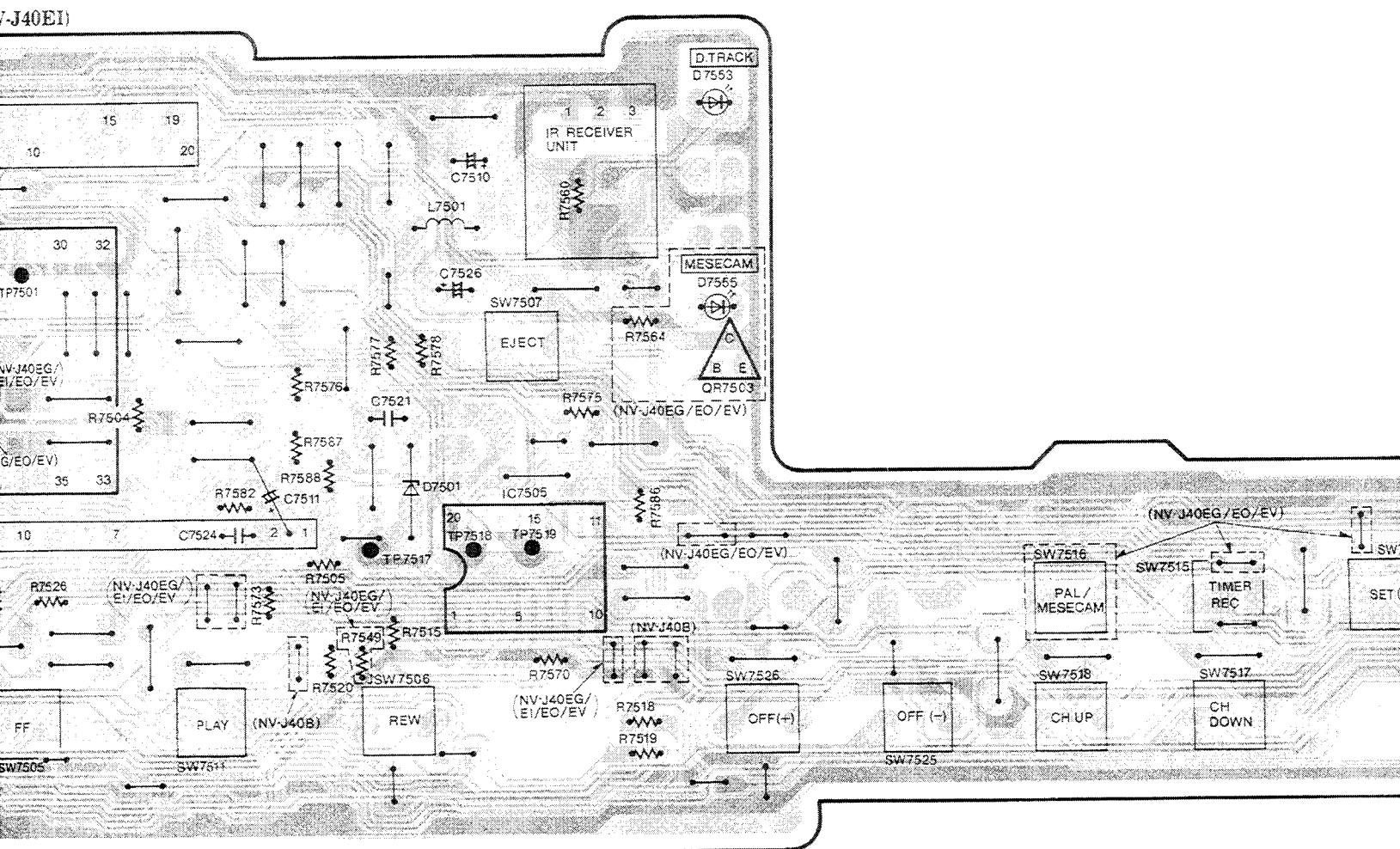
NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

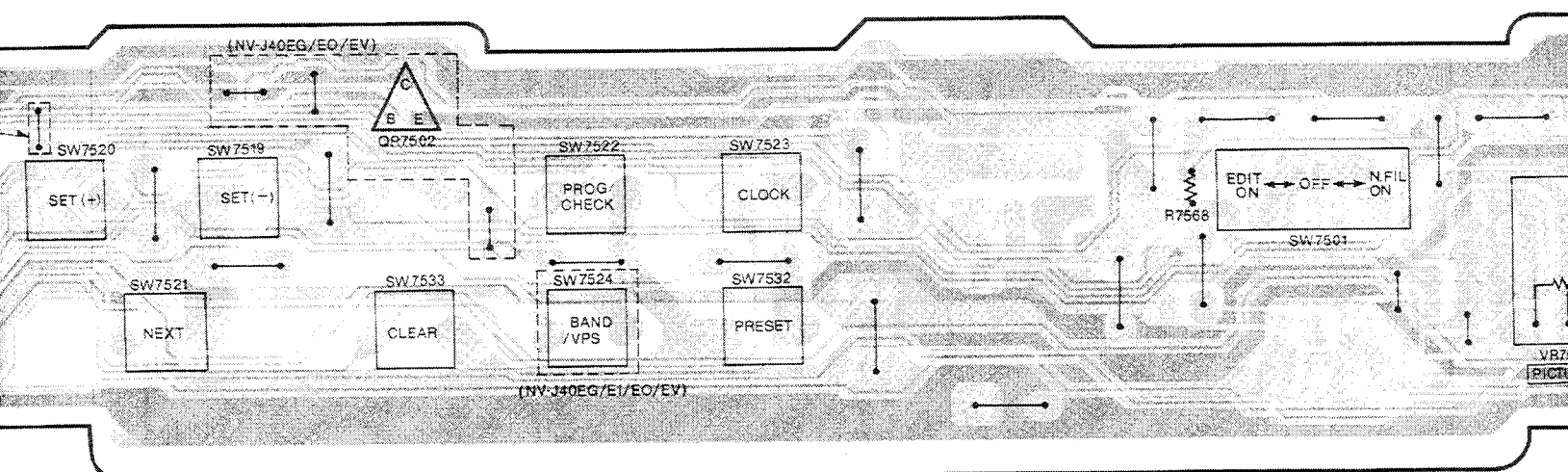
NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

TIMER C.B.A. (VEP07637D: NV-J40EG/EO/EV) (VEP07637C: NV-J40B) (VEP07637K: NV-J40EI)



NV-J40B) (VEP07637K: NV-J40EI) & OPERATION C.B.A. (VEP00R31A)





8

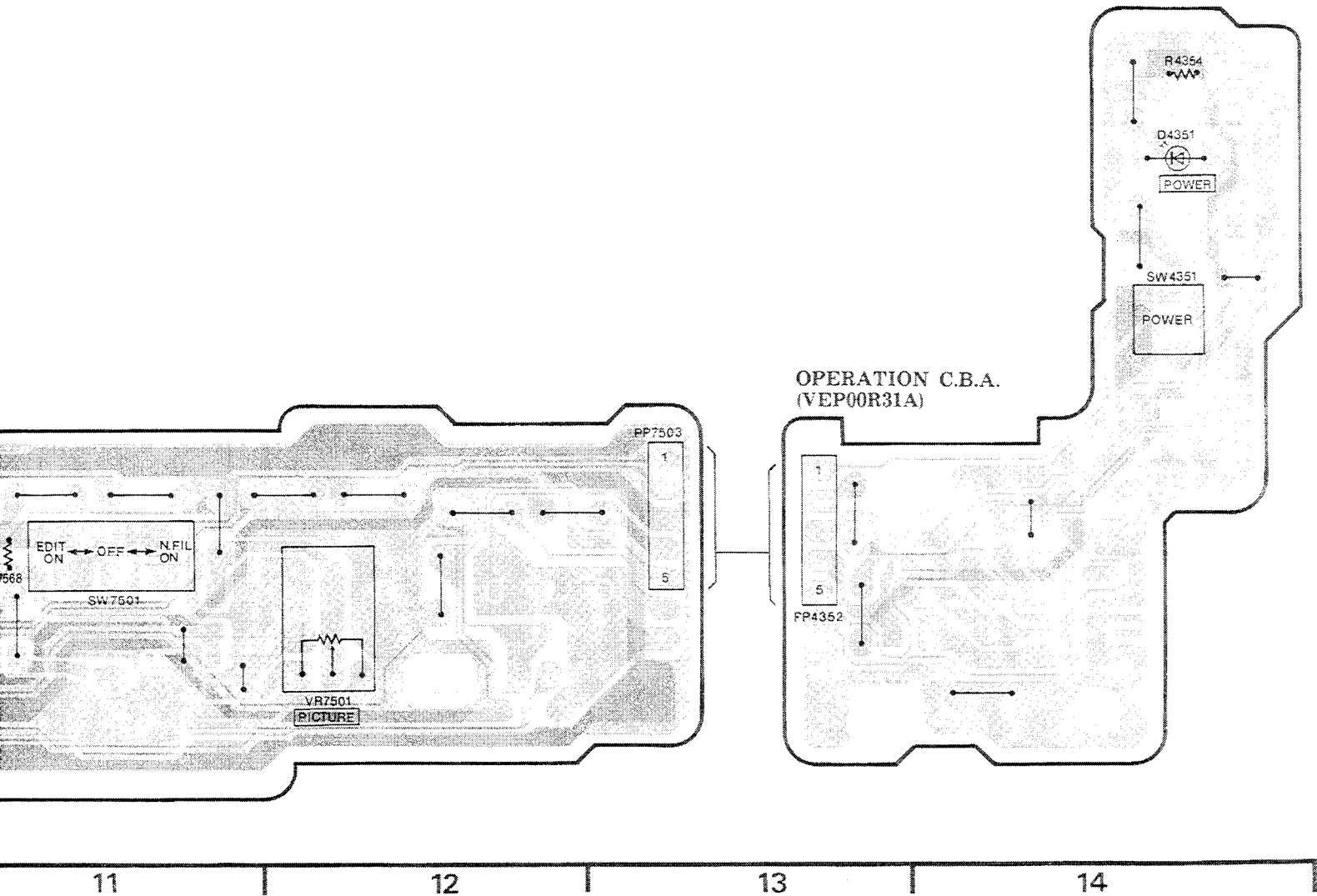
9

10

11

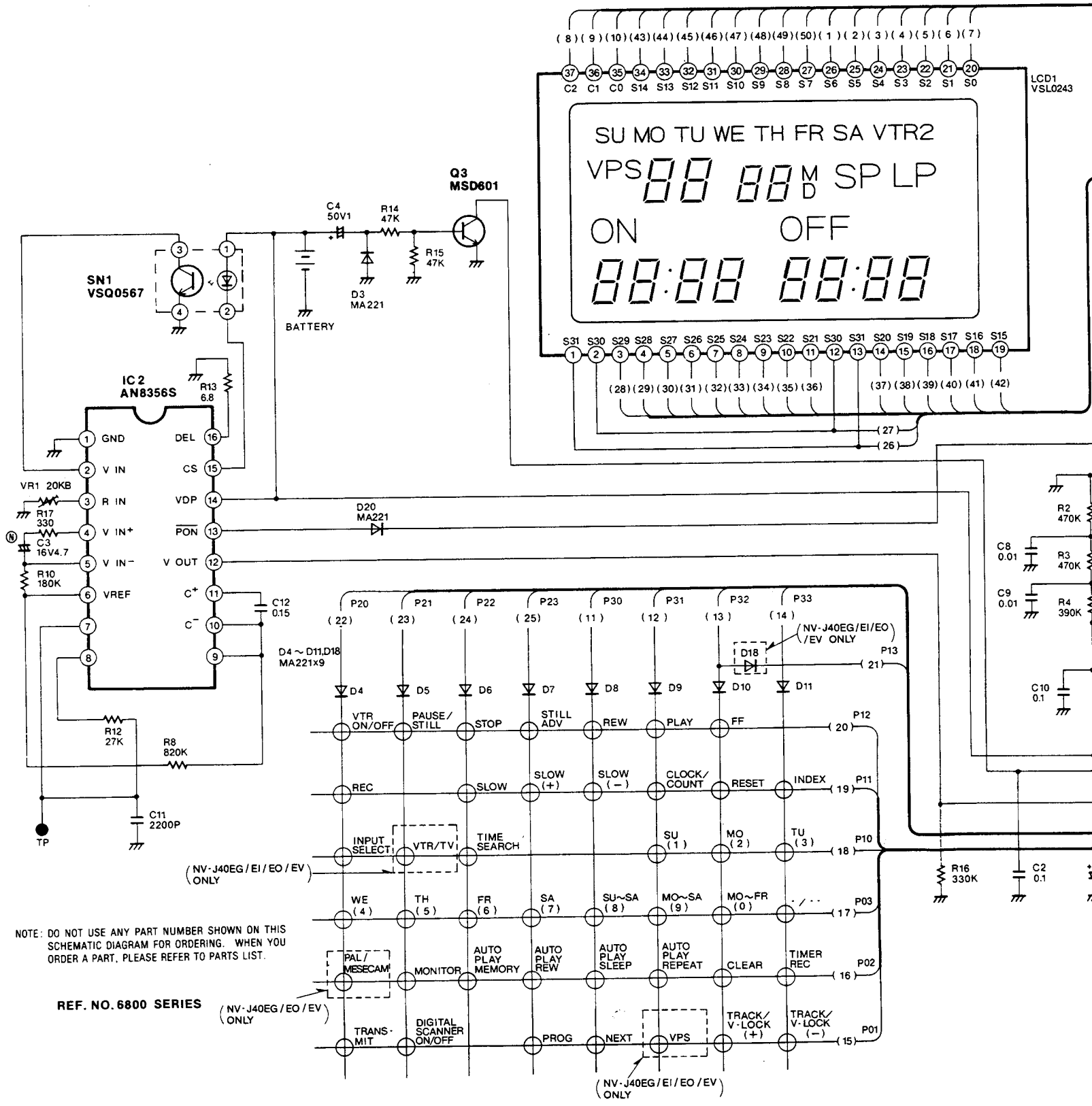
TIMER C.B.A. & OPERATION C.B.A.			
Transistor & Resistor		TP7518	B-5
QR7501	C-2	TP7519	B-5
QR7502	B-9	Adjustment	
QR7503	B-6	C7501	A-1
Integrated Circuit		VR7501	A-12
IC7501	C-3	Connector	
IC7502	C-3	P7501	C-1
IC7503	B-2	P7502	C-3
IC7504	C-2	PP4352	A-13
IC7505	B-5	PP7503	B-13
Test Point			
TP7501	B-4		
TP7517	B-5		

ADDRESS INFORMATION

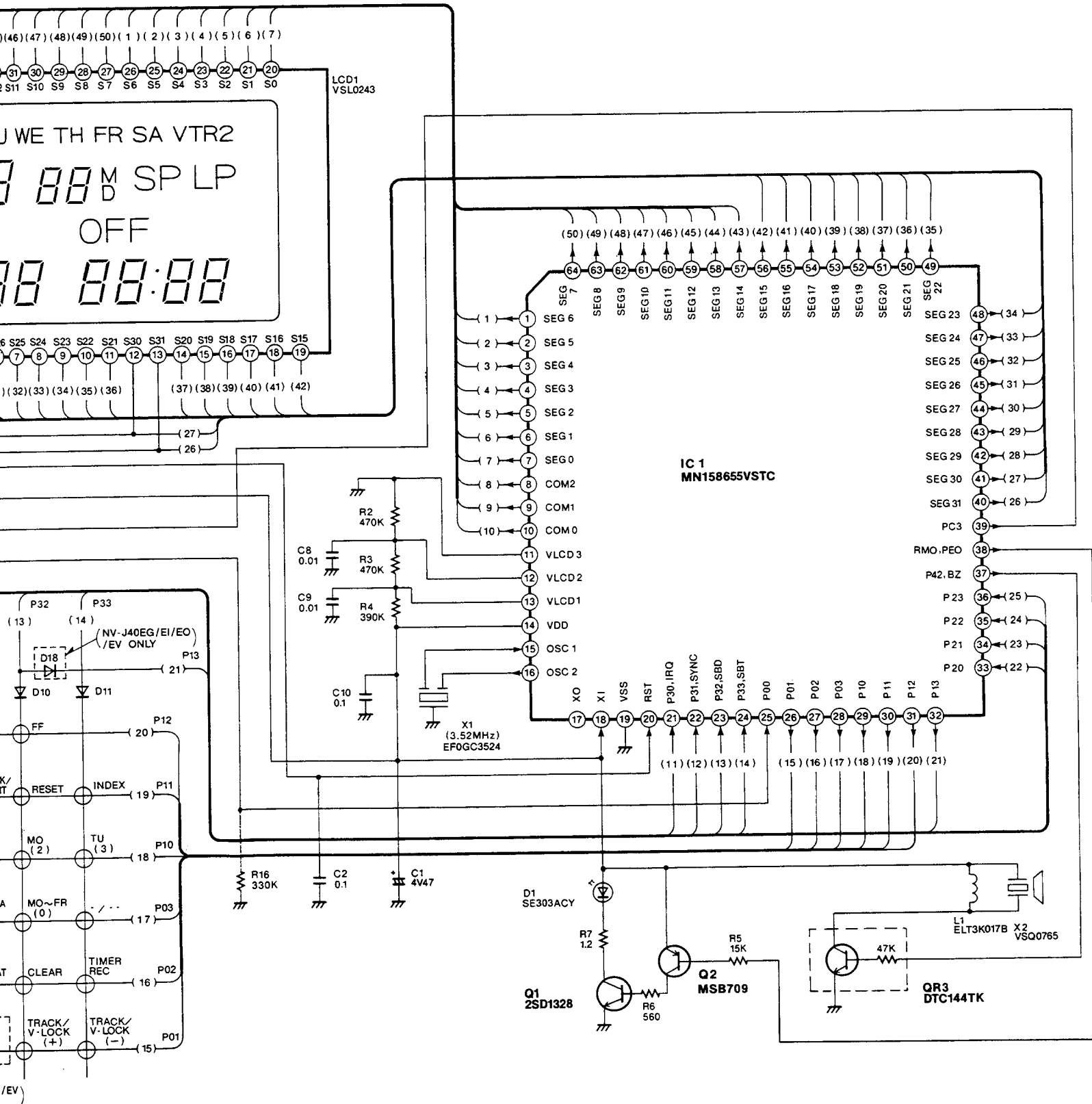


3-25. REMOTE CONTROLLER (BUILD IN DIGITAL SCANNER) SCHEMATIC DIAGRAM

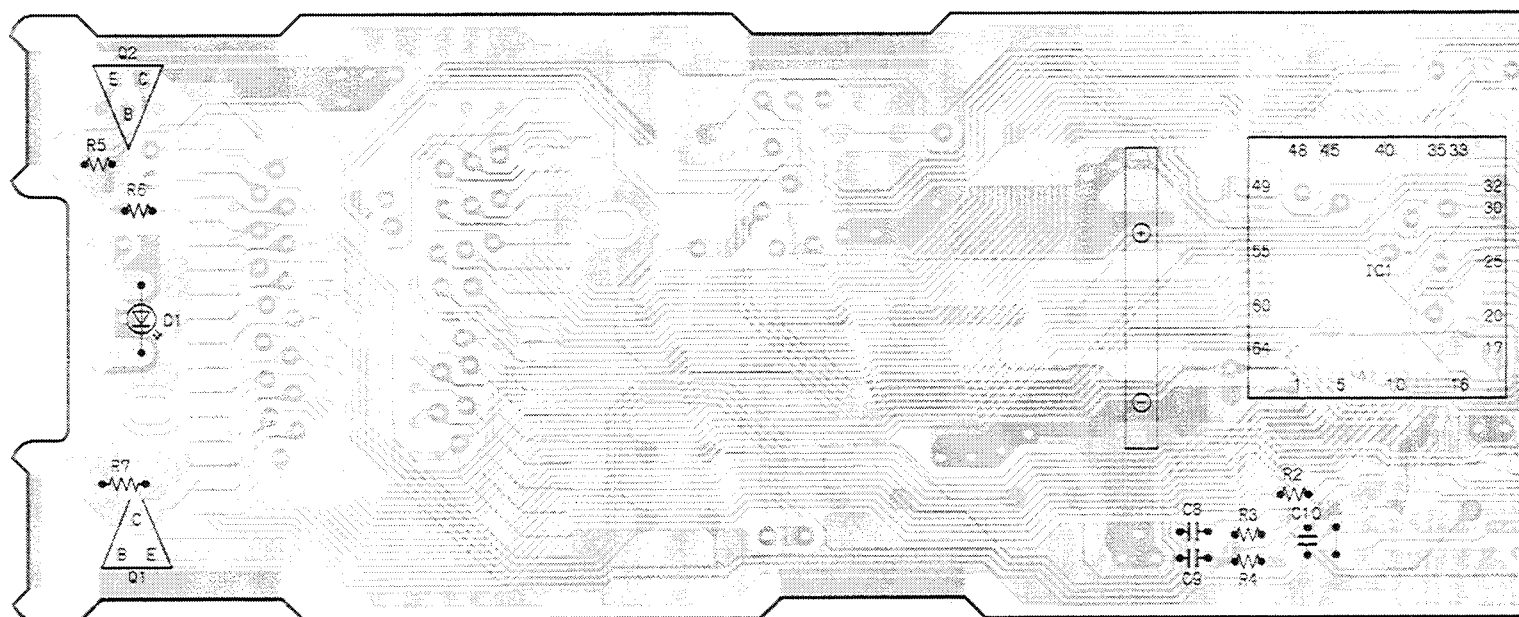
— UNIT NO.: VEQ1253 (NV-J40EG/EO/EV), VEQ1252 (NV-J40B), VEQ1255 (NV-J40A)



CANNER) SCHEMATIC DIAGRAM
Q1252 (NV-J40B), VEQ1255 (NV-J40EI) —

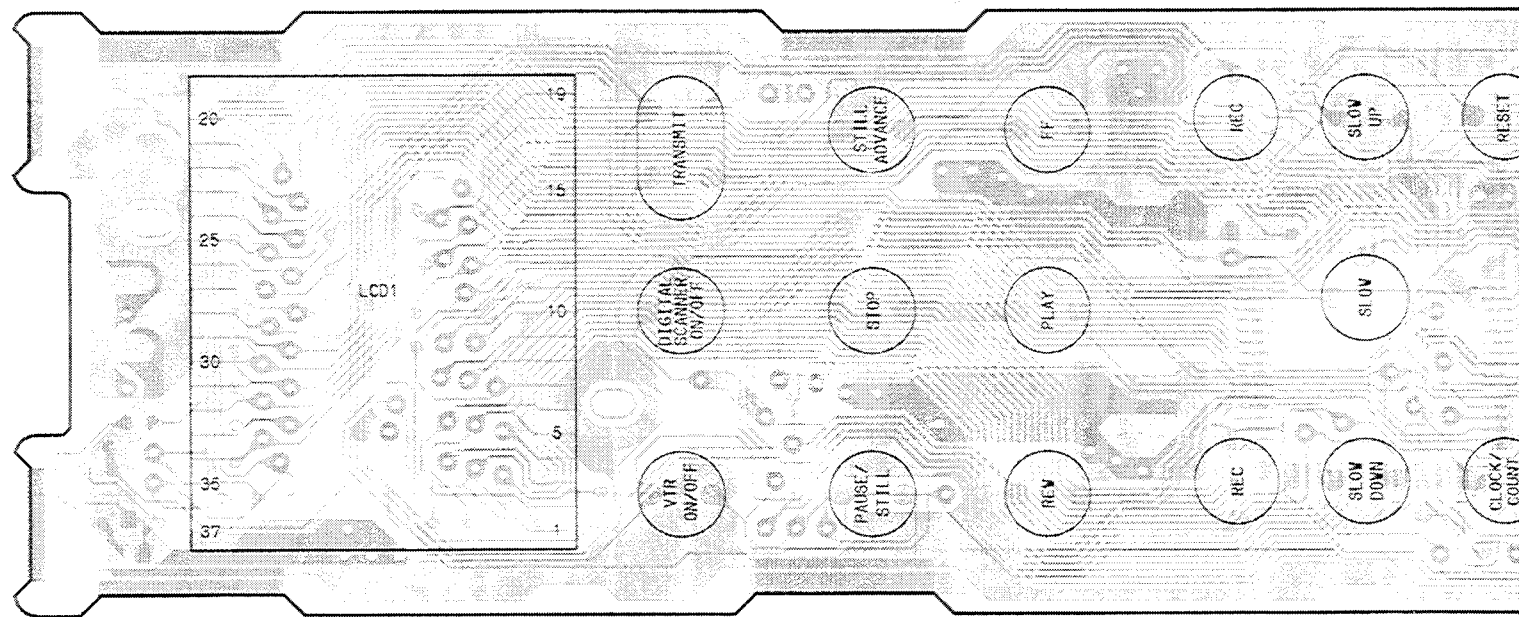


3-26. REMOTE CONTROLLER (BUILD IN DIGITAL SCANNER) C.B.A. (VEP66178L: NV-



(FOIL SIDE)

(COMPONENT SIDE)



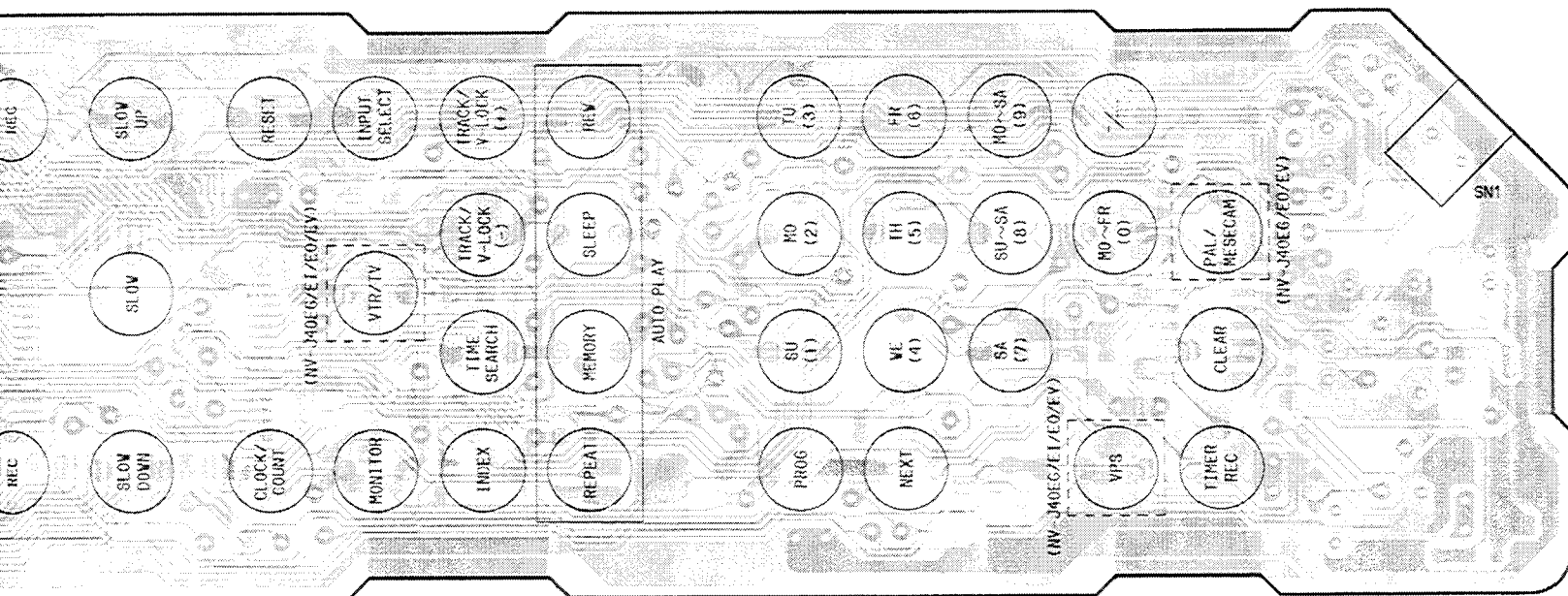
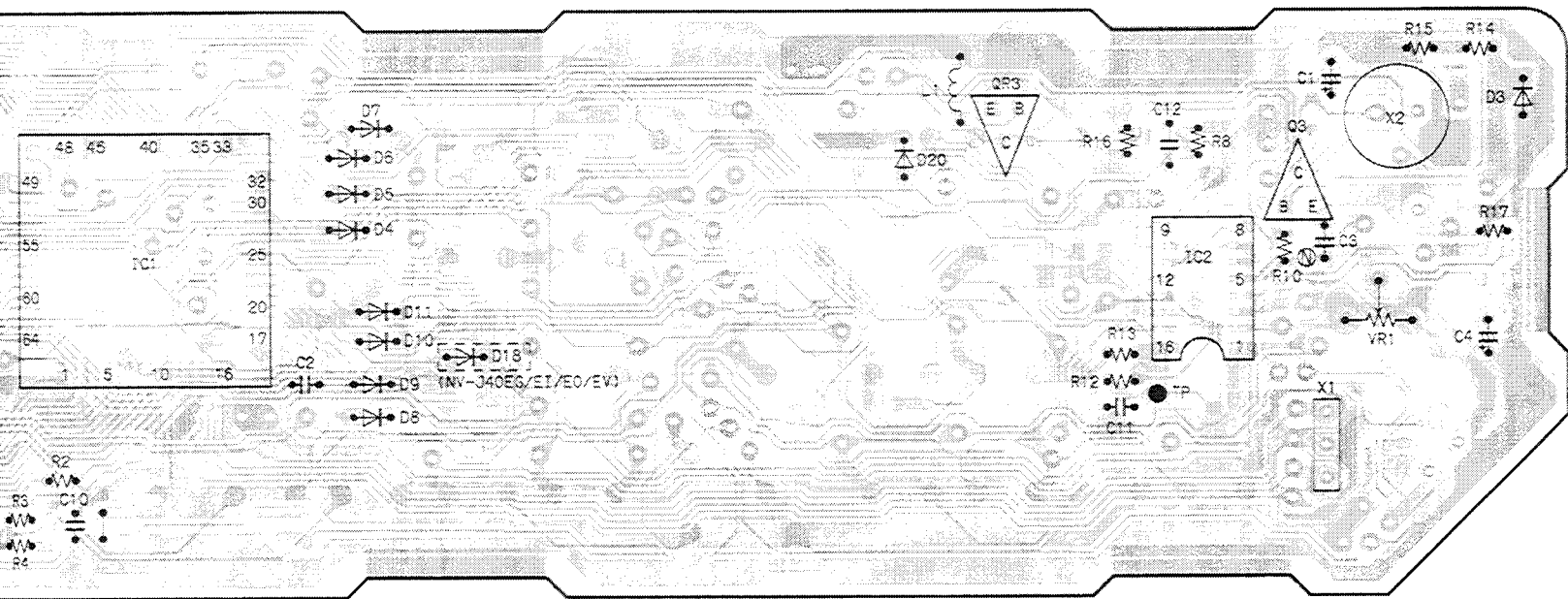
1

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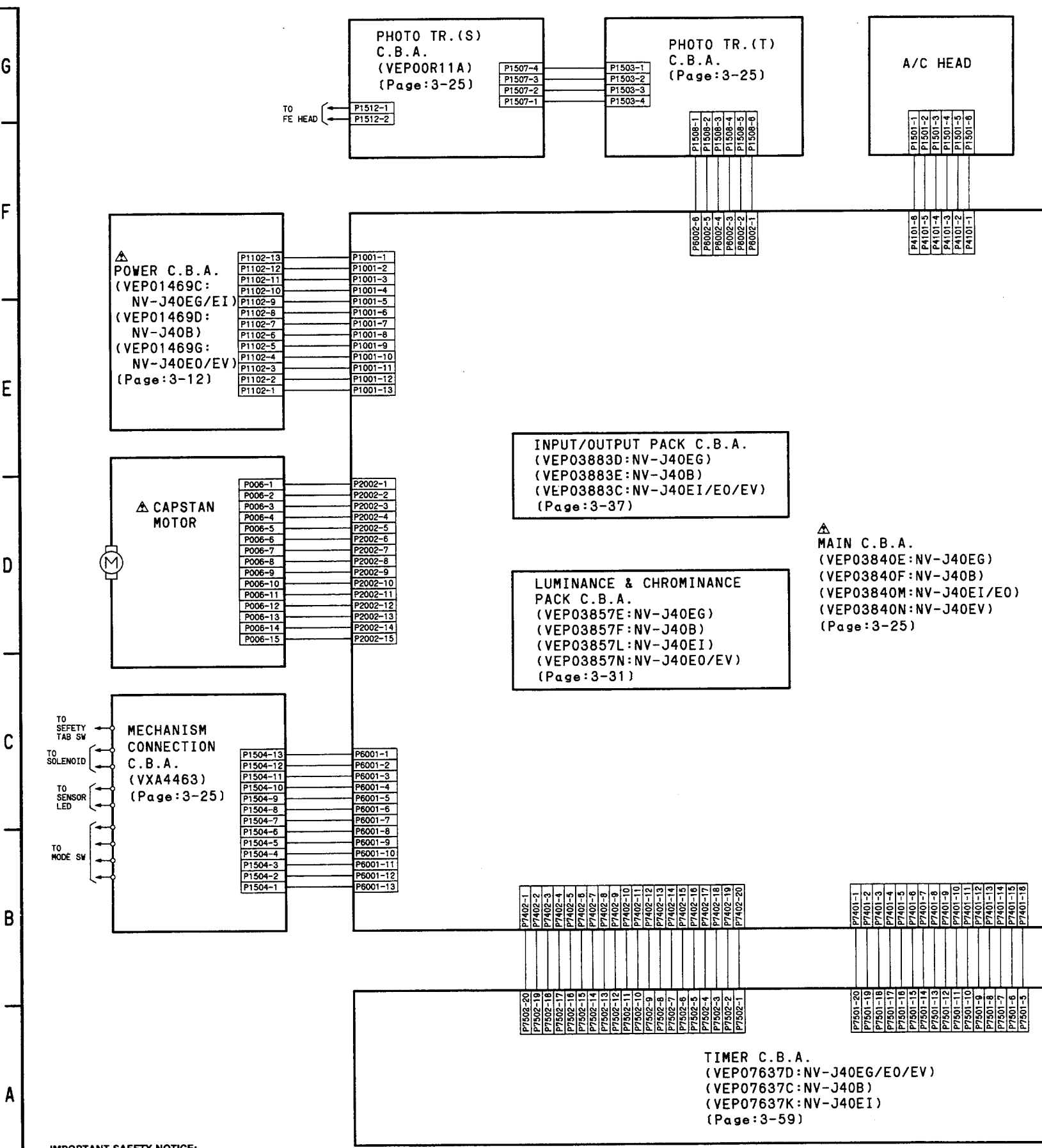
4

VEP66178L: NV-J40EG/EI/EO/EV) (VEP66178H: NV-J40B)



REF. NO. 6800 SERIES

3-27. INTERCONNECTION SCHEMATIC DIAGRAM



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/C HEAD

- P1501-1
- P1501-2
- P1501-3
- P1501-4
- P1501-5
- P1501-6
- P4101-8
- P4101-5
- P4101-4
- P4101-3
- P4101-2
- P4101-1

VW-VPS5
 (OPTION:NV-J40EI/E0)
 VPS PACK C.B.A.
 (VEP07538E:NV-J40EG/EV)
 (Page:3-45)

△ RF CONVERTER UNIT
 (ENC17984:NV-J40EG/EI/E0/EV)
 (ENC17982:NV-J40B)
 (Page:3-46)

△ TV DEMODULATOR PACK C.B.A.
 (VEP07643A:NV-J40EG/EI/E0/EV)
 (Page:3-49)
 (VEP07645A:NV-J40B)
 (Page:3-51)

△ MAIN C.B.A.
 (VEP03840E:NV-J40EG)
 (VEP03840F:NV-J40B)
 (VEP03840M:NV-J40EI/E0)
 (VEP03840N:NV-J40EV)
 (Page:3-25)

CYLINDER DRIVE
 C.B.A.
 (VEP02375B:
 NV-J40EG)
 (VEP02375A:
 NV-J40B/EI/E0/EV)
 (Page:3-25)

- P2001-1
- P2001-2
- P2001-3
- P2001-4
- P2001-5
- P201-5
- P201-4
- P201-3
- P201-2
- P201-1

- P202-1
- P202-2
- P202-3
- P202-4
- P202-5
- P202-6
- P202-7
- P202-8
- P202-9
- P202-10

- P001-1
- P001-2
- P001-3
- P001-4
- P001-5
- P001-6
- P001-7
- P001-8
- P001-9
- P001-10

△ CYLINDER UNIT

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8

- PS002-1
- PS002-2
- PS002-3
- PS002-4
- PS002-5
- PS002-6
- PS002-7
- PS002-8

HEAD AMP
 C.B.A.
 (VEP05167E)
 (Page:3-41)

- P3001-5
- P3001-6
- P3001-7
- P3001-8
- P3001-9
- P3001-10
- P3001-11
- P3001-12
- P3001-13
- P3001-14
- P501-10
- P501-9
- P501-8
- P501-7
- P501-6
- P501-5
- P501-4
- P501-3
- P501-2
- P501-1

- P7401-1
- P7401-2
- P7401-3
- P7401-4
- P7401-5
- P7401-6
- P7401-7
- P7401-8
- P7401-9
- P7401-10
- P7401-11
- P7401-12
- P7401-13
- P7401-14
- P7401-15
- P7401-16
- P7501-20
- P7501-19
- P7501-18
- P7501-17
- P7501-16
- P7501-15
- P7501-14
- P7501-13
- P7501-12
- P7501-11
- P7501-10
- P7501-9
- P7501-8
- P7501-7
- P7501-6
- P7501-5

- PP7503-1
- PP7503-2
- PP7503-3
- PP7503-4
- PP7503-5
- PP4352-1
- PP4352-2
- PP4352-3
- PP4352-4
- PP4352-5

OPERATION
 C.B.A.
 (VEP00R31A)
 (Page:3-59)

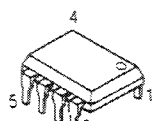
B.A.
 7D:NV-J40EG/E0/EV)
 7C:NV-J40B)
 7K:NV-J40EI)
 59)

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

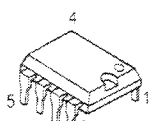
3-28. ICs & TRs INFORMATION



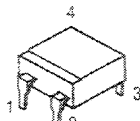
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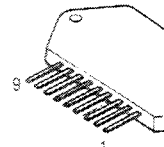
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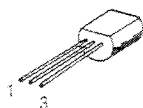
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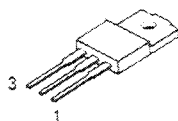
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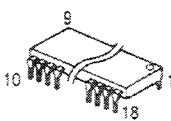
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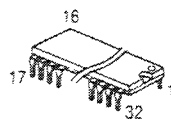
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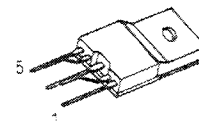
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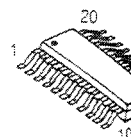
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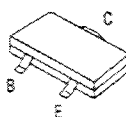
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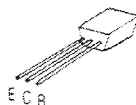
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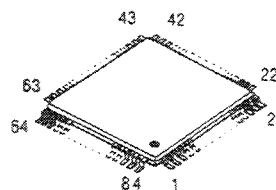
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MSB710



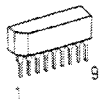
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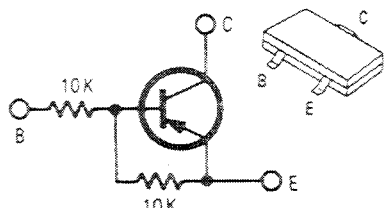
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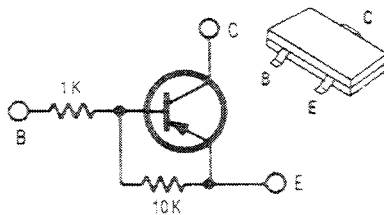
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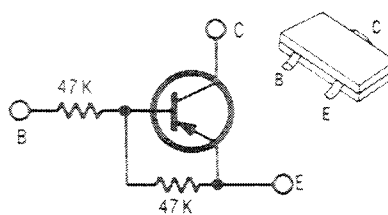
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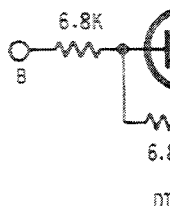
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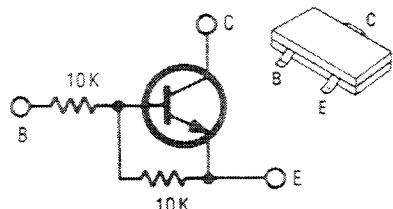
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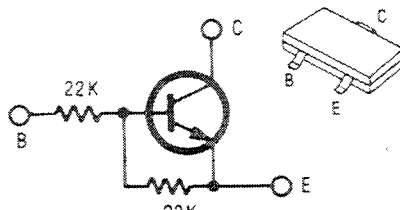
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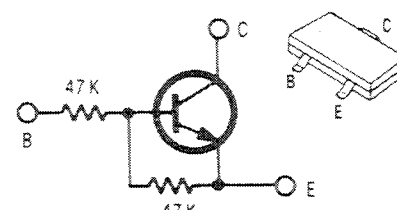
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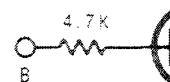
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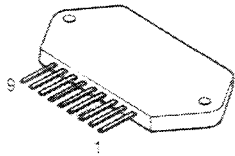
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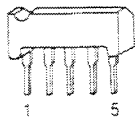
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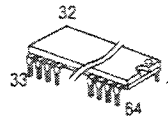
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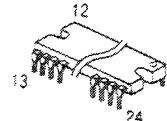
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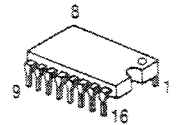
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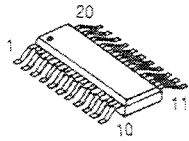
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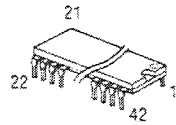
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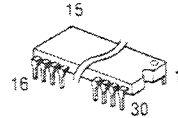
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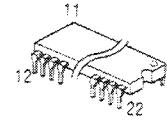
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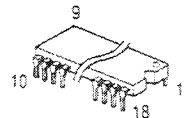
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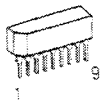
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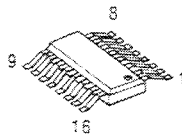
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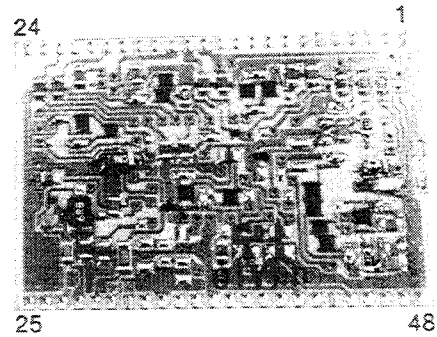
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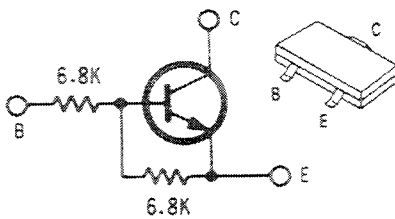
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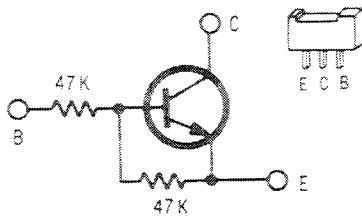
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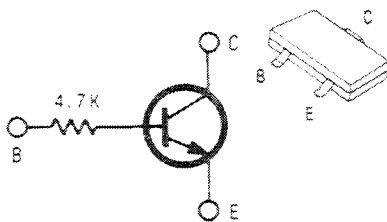
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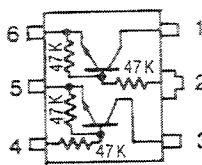
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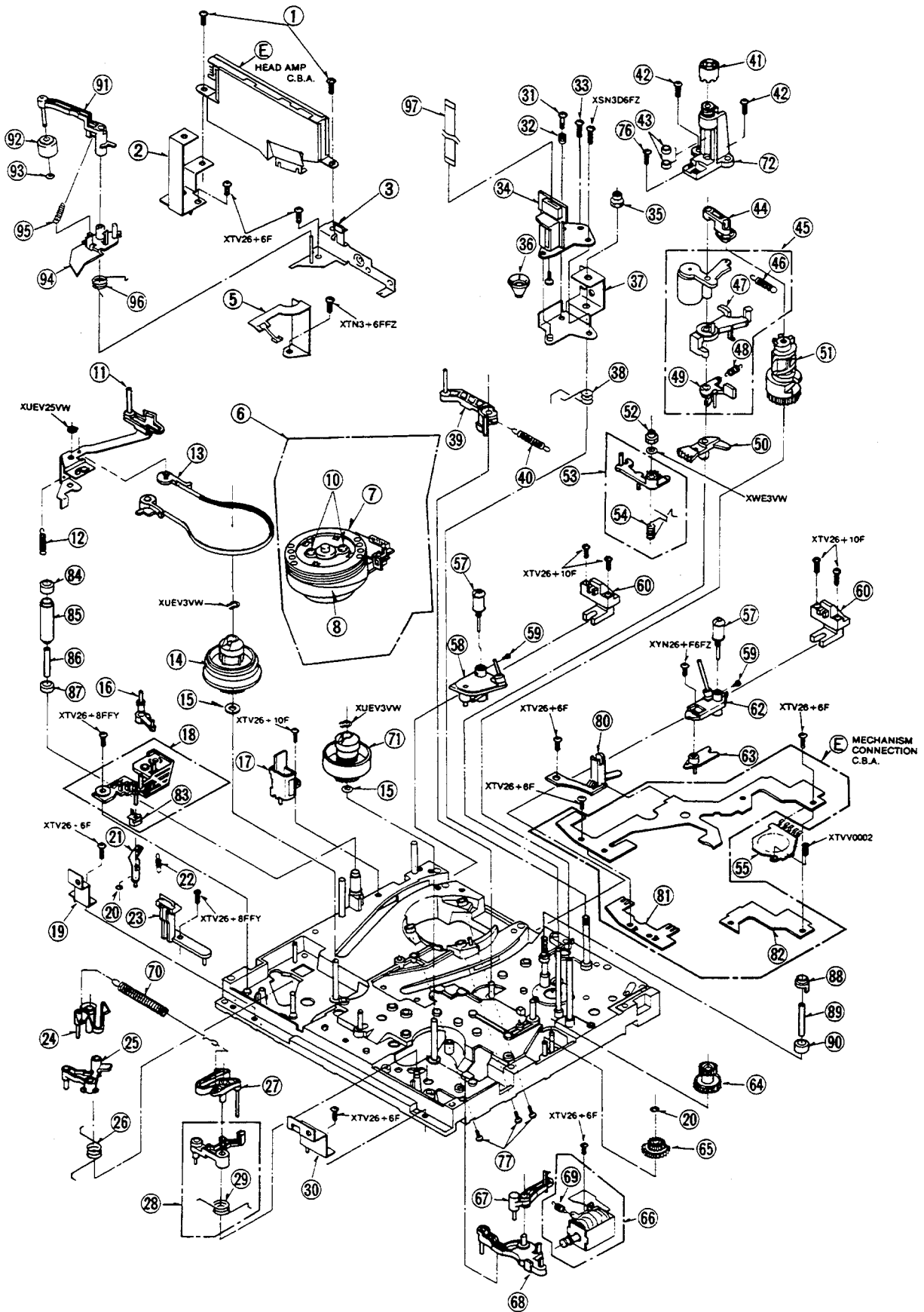
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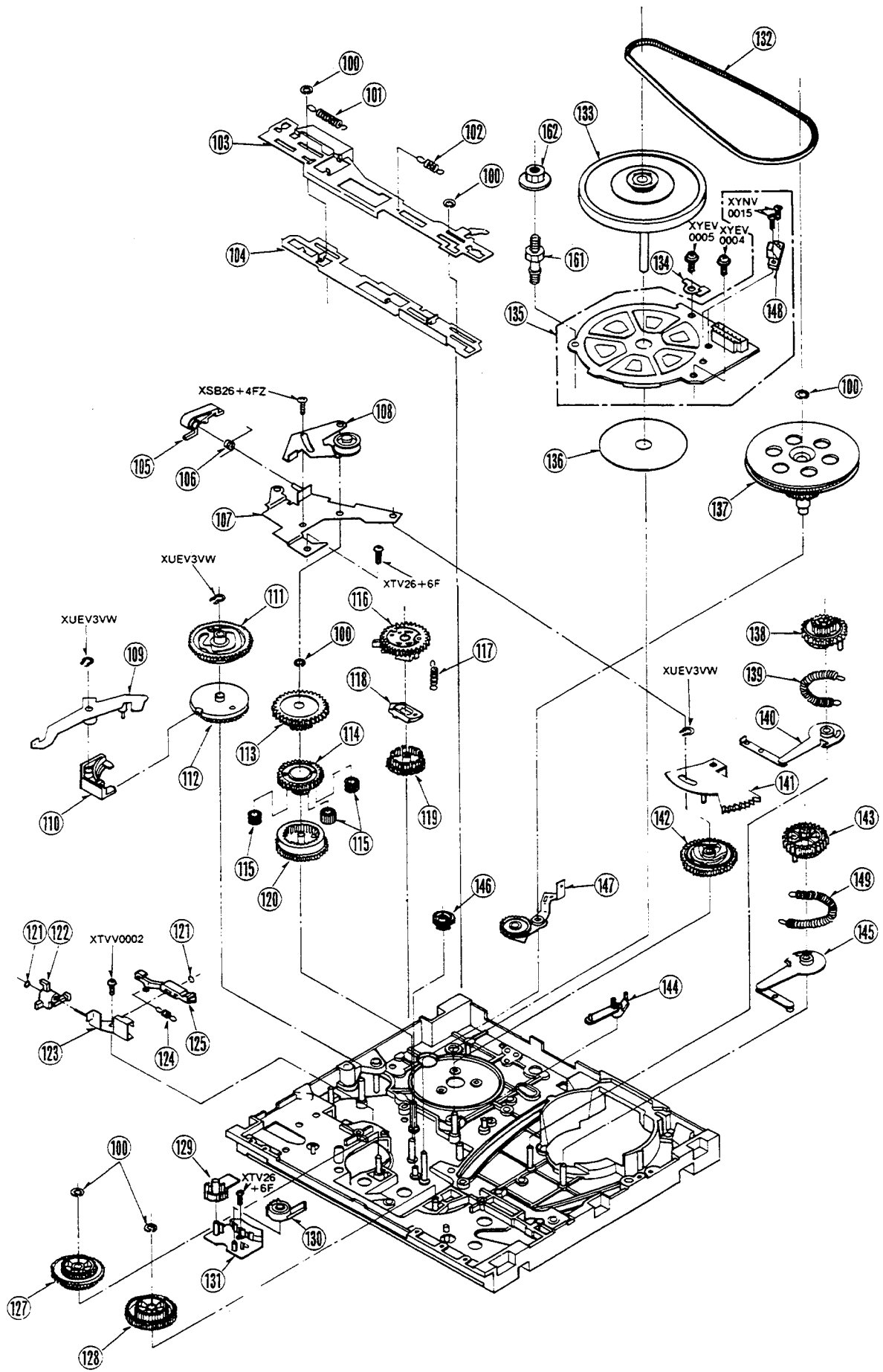
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SECTION 4 EXPLODED VIEWS & PARTS LIST

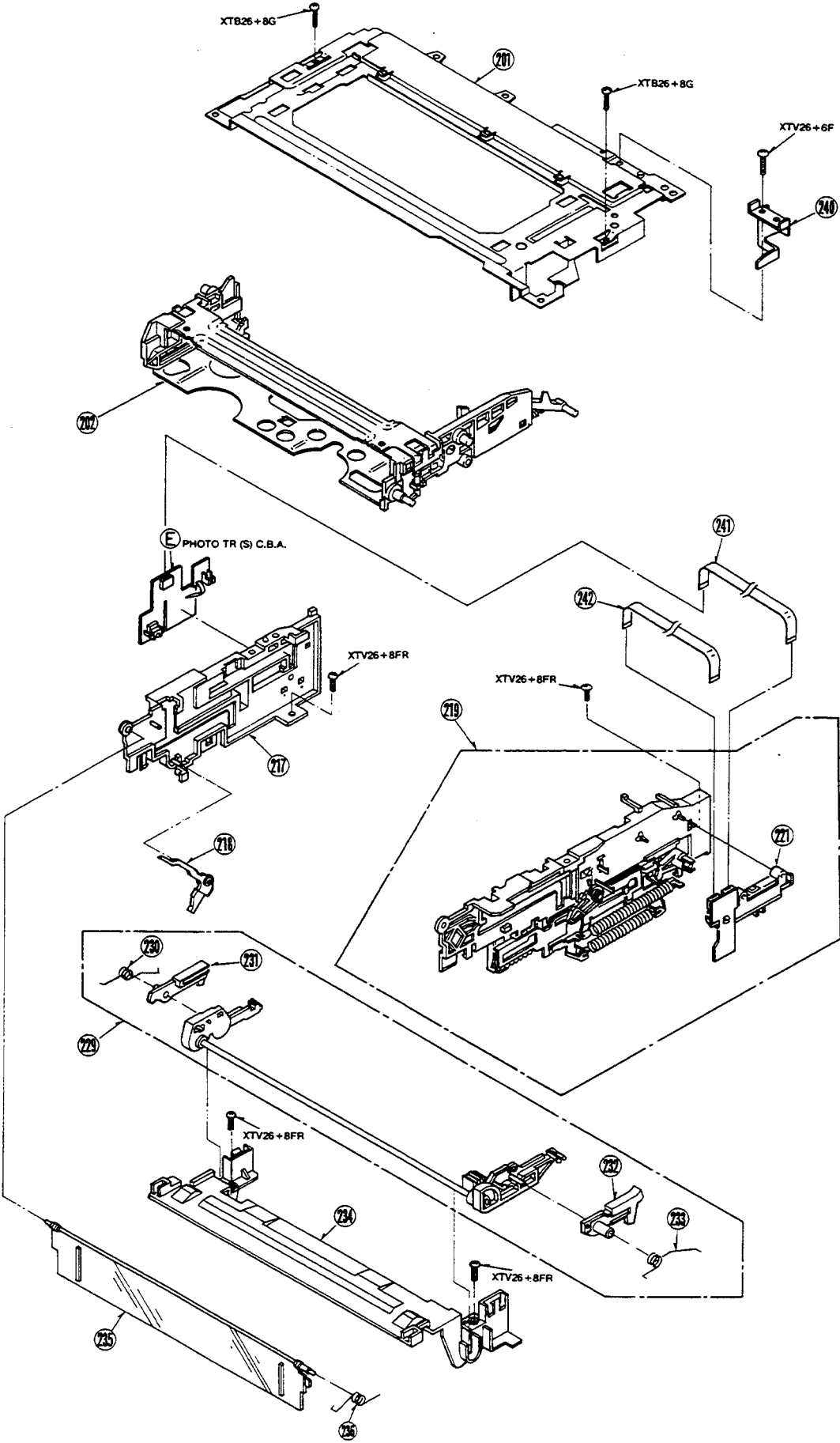
4.1. EXPLODED VIEW ① CHASSIS PARTS SECTION (1)



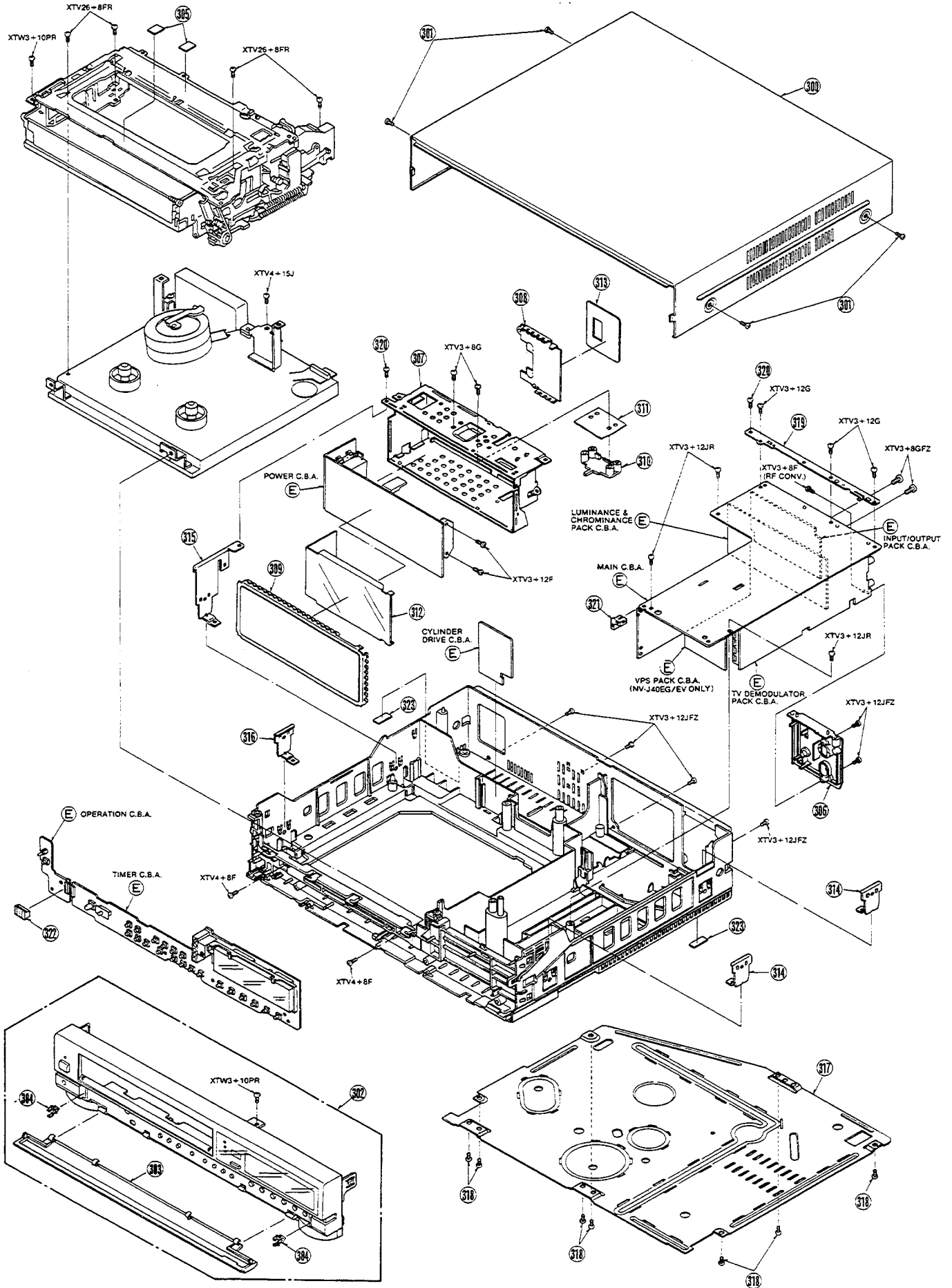
2 CHASSIS PARTS SECTION (2)



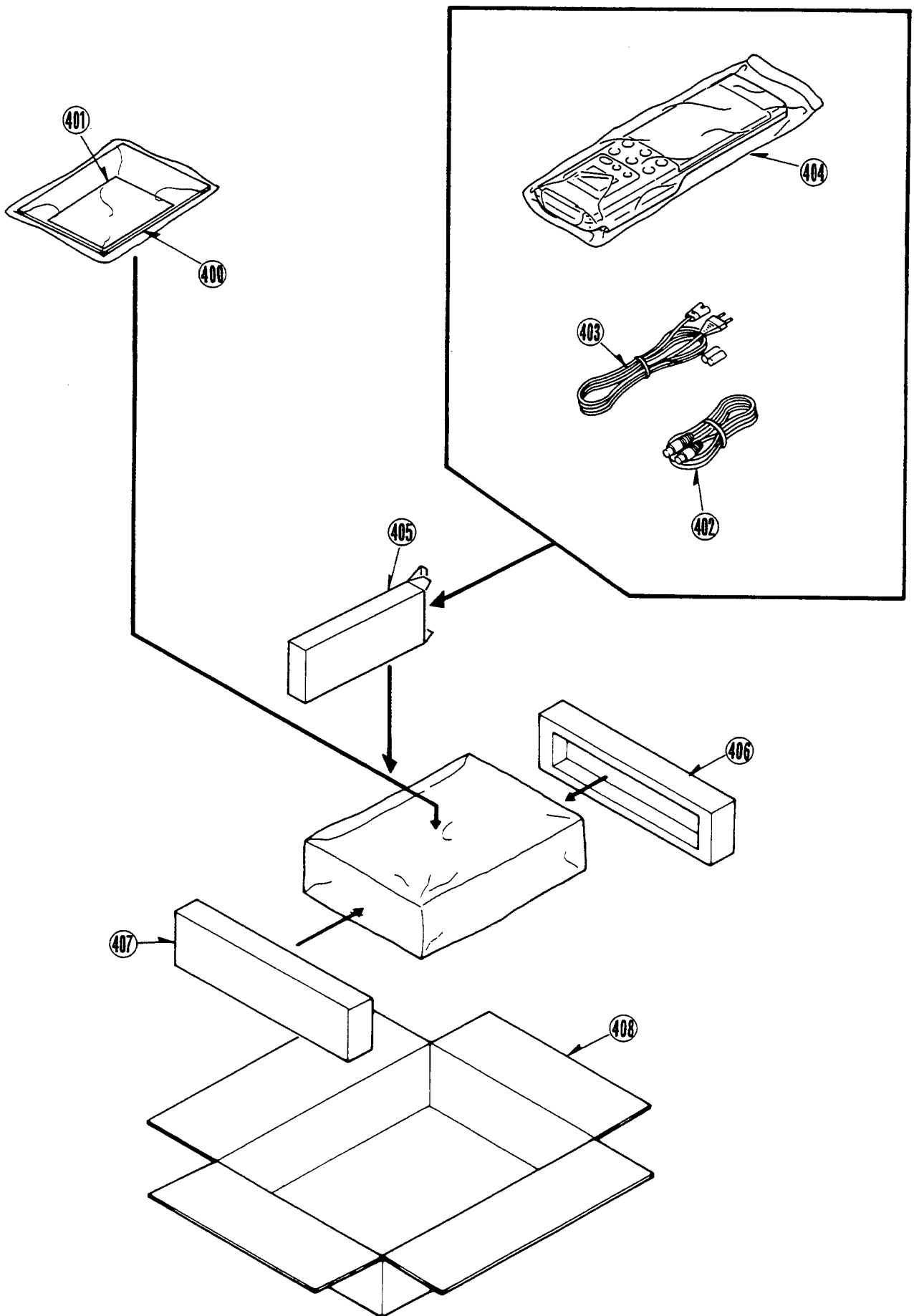
3 CASSETTE UP MECHANISM SECTION



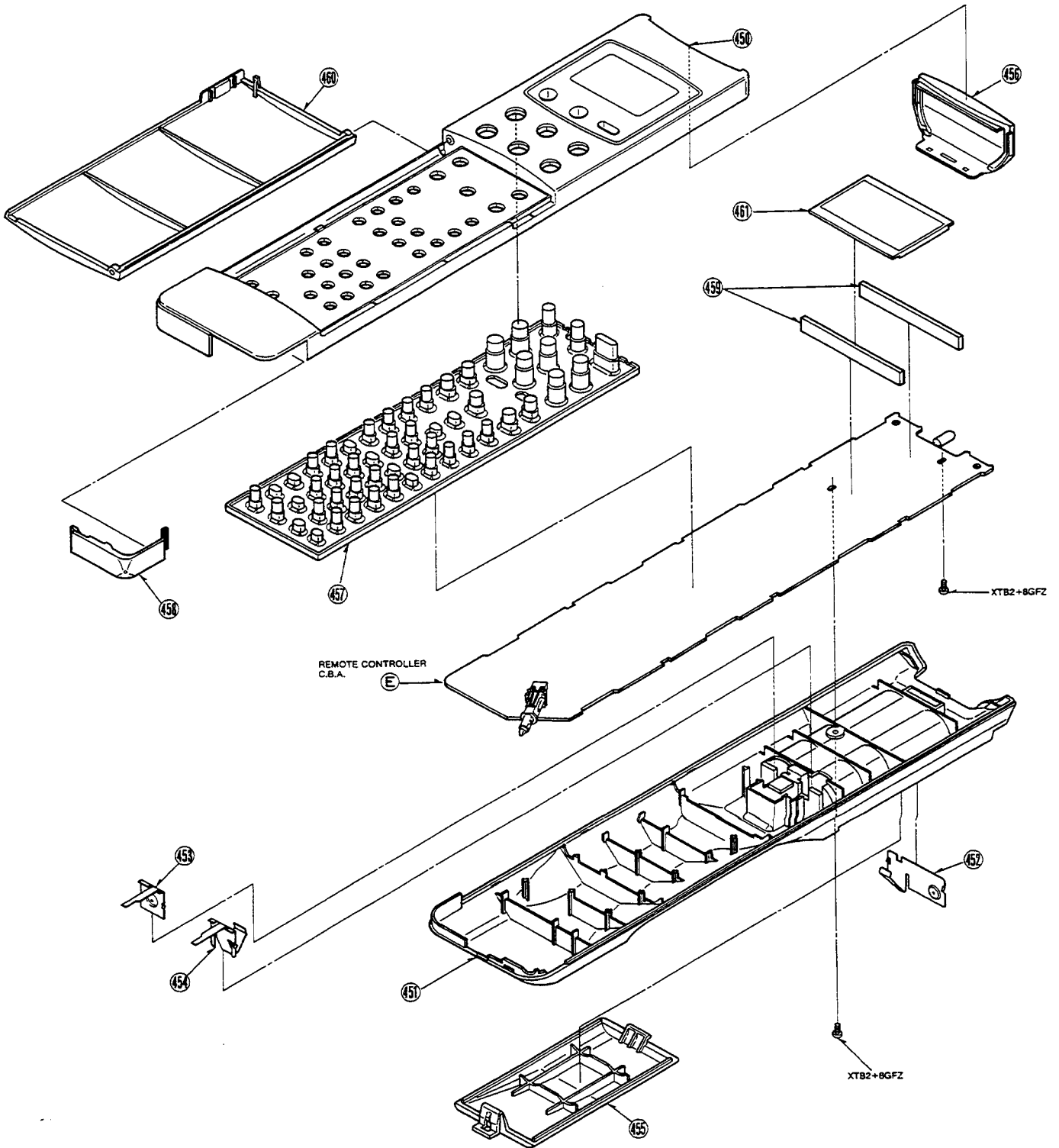
4 CASING PARTS SECTION



5 PACKING PARTS SECTION



6 REMOTE CONTROLLER (BUILD IN DIGITAL SCANNER) UNIT



4.2. MECHANICAL REPLACEMENT PARTS LIST (NV-J40EG/B)

Note:1.* Be sure to make your orders of replacement parts according to this list.
 2.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.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1(1)	VHDO141	HEAD AMP SET SCREW	2	
2(1)	VMA6897	HEAD AMP MOUNT ANGLE (L)	1	
3(1)	VXA4546	HEAD AMP MOUNT ANGLE (R)	1	
		UNIT		
5(1)	VXS0082	EARTH PLATE UNIT	1	
6(1)	VEG0890	CYLINDER UNIT	1<(!)>	
7(1)	VEH0532	UPPER CYLINDER UNIT	1<(!)>	
8(1)	VJRO082	RT TERMINAL	1	
10(1)	VHDO425	UPPER CYLINDER SET SCREW	2	
11(1)	VXL1495	TENSION ARM (1) UNIT	1	
12(1)	VMB1563	TENSION SPRING	1	
13(1)	VXZ0267	TENSION BAND UNIT	1	
14(1)	VXRO185	SUPPLY REEL TABLE UNIT	1	
15(1)	VMDK1171	REEL WASHER (0.5mm)	2	
15(1)	VMDK1239	REEL WASHER (0.3mm)	2	
15(1)	VMDK1238	REEL WASHER (0.2mm)	2	
16(1)	VXL1496	TENSION RELEASE ARM(A)UNIT	1	
17(1)	VBS0038	FE HEAD	1	
18(1)	VXA2705	TENSION ARM BASE (1) UNIT	1	
19(1)	VMA6895	MOUNT ANGLE (L)	1	
20(1)	VMDK1079	CUT WASHER	2	
21(1)	VXL1497	TENSION RELEASE ARM(B)UNIT	1	
22(1)	VMB1582	TENSION RELEASE SPRING	1	
23(1)	VES0489	SAFETY SW	1	
24(1)	VXZ0259	SUPPLY MAIN BRAKE UNIT	1	
25(1)	VXZ0274	SUPPLY SOFT BRAKE(1)UNIT	1	
26(1)	VMB1564	SUPPLY SOFT BRAKE SPRING	1	
27(1)	VXZ0262	TAKE UP MAIN BRAKE UNIT	1	
28(1)	VXZ0221	TAKE UP SOFT BRAKE UNIT	1	
29(1)	VMB1561	TAKE UP SOFT BRAKE SPRING	1	
30(1)	VMA6896	MOUNT ANGLE (R)	1	
31(1)	VHDO322	ADJUST SCREW	1	
32(1)	VMB1251	ADJUST SPRING	1	
33(1)	VHDO089B	AZIMUTH ADJUST SCREW	1	
34(1)	VEDD160	A/C HEAD (1) UNIT	1	
35(1)	VHND063	M4 NYLON NUT	1	
36(1)	VHNO110	ADJUST NUT	1	
37(1)	VMA7831	HEAD BASE	1	
38(1)	VMB1567	A/C HEAD SPRING	1	
39(1)	VXLL1857	SUB LOADING ARM (1) UNIT	1	
40(1)	VMB1566	SUB POST SPRING	1	
41(1)	VXQ0006	THRUST SCREW UNIT	1	
42(1)	VHDO317	HOUSING SCREW	2	
43(1)	VMDK1033	OIL SEAL	2	
44(1)	VMDK1353	PINCH CAM CAP	1	
45(1)	VXL1858	PRESSURE ROLLER UNIT	1	
46(1)	VMB1941	PIN PRESSURE SPRING	1	
47(1)	VML2232	PINCH PRESSURE ARM	1	
48(1)	VMB1569	PINCH PRESSURE ARM RELEASE SPRING	1	
49(1)	VML1874	PINCH LIFT ARM	1	
50(1)	VDBG0597	P5 PULL OUT SECTOR GEAR	1	
51(1)	VDBG0421	PINCH CAM	1	
52(1)	VHDO045	M3 NYLON NUT	1	
53(1)	VXL2027	P5 UNIT	1	
54(1)	VMB2718	P5 SPRING	1	
55(1)	VSS0175	MODE SW	1	
57(1)	VXPO863	ROLLER POST UNIT	2	
58(1)	VXA4106	INCLINED BASE (S)(1)UNIT	1	
59(1)	VHDO133	ROLLER POST SCREW	2	
60(1)	VMD0910	POST STOPPER	2	
62(1)	VXA3876	INCLINED BASE(T)(1)UNIT	1	
63(1)	VXA2687	INCLINED ADJUST PLATE UNIT	1	
64(1)	VDBG0483	PINCH SPEED DOWN GEAR	1	
65(1)	VDBG0664	CONNECTION GEAR	1	
66(1)	VXA3735	SOLENOID UNIT	1	
67(1)	VXA2692	KICK ROD UNIT	1	
68(1)	VML1849	SOLENOID LEVER	1	
69(1)	VMB1553	KICK ROD SPRING	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
70(1)	VMB2012	MAIN BRAKE SPRING	1	
71(1)	VXRO188	TAKE UP REEL TABLE UNIT	1	
72(1)	VXDO101	HOUSING UNIT	1	
76(1)	VHDO374	HOUSING SCREW	1	
77(1)	VHDO342	CYLINDER SCREW	3	
80(1)	VXA3520	LED HOLDER UNIT	1	
81(1)	VMA7829	REINFORCEMENT PLATE (F)	1	
82(1)	VMA8468	REINFORCEMENT PLATE (R)	1	
83(1)	VMB1733	LEAF SPRING	1	
84(1)	VMDK1088	SUPPLY UPPER LIMITER	1	
85(1)	VDP1072	SUPPLY ROLLER	1	
86(1)	VMDK1581	P1 COLLAR	1	
87(1)	VMDK1533	SUPPLY ROLLER LIMITER	1	
88(1)	VMDK1544	P4 UPPER LIMITER	1	
89(1)	VMDK1568	P4 SLEEVE	1	
90(1)	VMDK1534	P4 LOWER LIMITER	1	
91(1)	VXL2086	CLEANER UNIT (2) UNIT	1	
92(1)	VXP1269	CLEANER ROLLER UNIT	1	
93(1)	VMDK1061	SNAP WASHER A	1	
94(1)	VML2510	CLEANER ARM B	1	
95(1)	VMB2263	CLEANER ARM SPRING A	1	
96(1)	VMB2264	CLEANER ARM SPRING B	1	
97(1)	VWJ0506	FLEXIBLE CADE	1 P4101-P1501(6P)	
100(2)	VMDK1079	CUT WASHER	6	
101(2)	VMB1583	TAKE UP SOFT BRAKE RELEASE ARM SPRING	1	
102(2)	VMB1560	MAIN LEVER SPRING	1	
103(2)	VXA3509	MAIN LEVER (1) UNIT	1	
104(2)	VMD215	SUB LEVER	1	
105(2)	VXL2088	SS BRAKE ARM UNIT	1	
106(2)	VMB1588	SS BRAKE SPRING	1	
107(2)	VXA3512	SS BRAKE BASE (1) UNIT	1	
108(2)	VXA3516	TENSION ROLLER UNIT	1	
109(2)	VXL1632	CAM FOLLOWER ARM UNIT	1	
110(2)	VML1861	DETENT ARM	1	
111(2)	VDBG0574	MAIN CAM GEAR	1	
112(2)	VDBG0343	SUB CAM GEAR	1	
113(2)	VDBG0348	CENTRE GEAR	1	
114(2)	VDBG0422	RETAINER GEAR	1	
115(2)	VDBG0345	PLANET GEAR	3	
116(2)	VDBG0547	CLUTCH DISK	1	
117(2)	VMB1558	CLUTCH SPRING	1	
118(2)	VDBG0350	LOCK SLIDE GEAR	1	
119(2)	VDBG0335	DRIVE DISK	1	
120(2)	VDBG0342	RING GEAR	1	
121(2)	VMDK0967	CUT WASHER	2	
122(2)	VML1859	CHANGE LEVER	1	
123(2)	VXA2672	RELEASE LEVER (1) UNIT	1	
124(2)	VMB1557	RELEASE SPRING	1	
125(2)	VML1860	RELEASE LEVER	1	
127(2)	VXP1002	TAKE UP REEL GEAR UNIT	1	
128(2)	VXP0981	SUPPLY REEL GEAR UNIT	1	
129(2)	VML1858	RETURN LEVER (R)	1	
130(2)	VML1857	RETURN LEVER (L)	1	
131(2)	VMD0913	STOPPER BASE	1	
132(2)	VMD0169	TIMING BELT	1	
133(2)	VXP1113	ROTOR UNIT	1	
134(2)	VMA7941	ROTOR STOPPER	1	
135(2)	VEK4097	STATOR UNIT	1<(!)>	
136(2)	VMA6847	SUB PLATE	1	
137(2)	VXP0917	CENTRE PULLEY UNIT	1	
138(2)	VDBG0564	LOADING GEAR (T)	1	
139(2)	VMB1555	LOADING SPRING (T)	1	
140(2)	VXL1489	LOADING ARM (T)(1) UNIT	1	
141(2)	VXA3515	SECTOR GEAR UNIT	1	
142(2)	VDBG0448	LOADING CAM GEAR	1	
143(2)	VDBG0419	LOADING GEAR (S)	1	
144(2)	VML1855	PLAY CONTROL ARM	1	
145(2)	VXL1487	LOADING ARM (S)(1) UNIT	1	
146(2)	VDBG0546	INTERMEDIATE GEAR	1	
147(2)	VXL1861	PLAY ARM UNIT	1	
148(2)	VEK0048	FG HEAD	1	
149(2)	VMB1746	LOADING SPRING(S)	1	
161(2)	VHDO431	STATOR SPACER SCREW	1	
162(2)	VHNO102	STATOR NUT	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
201(3)	VMA7223	TOP PLATE	1	
202(3)	VXA3840	CASSETTE HOLDER UNIT	1	
217(3)	VMD1890	SIDE PLATE (L)	1	
218(3)	VML1880	OPENER LEVER	1	
219(3)	VXA4468	SIDE PLATE (R) UNIT	1	
221(3)	VXA4469	SLIDE SW UNIT	1	
229(3)	VXPO987	MAIN SHAFT UNIT	1	
230(3)	VMB1836	SUB WIPER SPRING (L)	1	
231(3)	VML1878	SUB WIPER ARM (L)	1	
232(3)	VML1879	SUB WIPER ARM (R)	1	
233(3)	VMB1837	SUB WIPER SPRING (R)	1	
234(3)	VMA6900	CASSETTE GUIDE	1	
235(3)	VKFI1741	BLINDER PANEL	1	
236(3)	VMB1258	BLINDER SPRING	1	
240(3)	VMA7224	CASSETTE HOLDER ANGLE	1	
241(3)	VXJO40W270MM	FLEXIBLE CARD	1	P1503-P1507(4P)
242(3)	VXJO5348	FLEXIBLE CARD	1	P6002-P1508(6P)
300(4)	VYP3043	TOP PANEL UNIT	1	NV-J40EG
300(4)	VGM0625	TOP PANEL	1	NV-J40B
301(4)	VHDO304	TOP PANEL SCREW	4	
302(4)	VYP3688	FRONT PANEL UNIT	1	NV-J40EG
302(4)	VYP3687	FRONT PANEL UNIT	1	NV-J40B
				[SUPPLIED FROM M.B.V.]
303(4)	VYF1731	FRONT DOOR UNIT	1	
304(4)	VGQ0550	DOOR LOCK PIECE	2	
305(4)	VMT0332	SPACER	2	
306(4)	VJHO617	ANT TERMINAL PLATE	1	NV-J40EG
306(4)	VJB0623	ANT TERMINAL PLATE	1	NV-J40B
				[SUPPLIED FROM M.B.V.]
307(4)	VXA4453	POWER SHIELD COVER(MAIN)	1	
		UNIT		
308(4)	VSC2351	POWER SHIELD COVER (TOP)	1	
309(4)	VSC3375	POWER SHIELD COVER (BOTTOM)	1	
310(4)	VGQ1377	IC HOLDER	1	
311(4)	VNZ1224	INSULATION SHEET	1	
312(4)	VNZ1854	POWER BARRIER	1	
313(4)	VGZ2721	NAME PLATE	1	
314(4)	VMP1037	TOP HOLDER ANGLE (R)	2	
315(4)	VMP1995	TOP HOLDER ANGLE (REAR-L)	1	
316(4)	VMP3302	TOP HOLDER ANGLE (FRONT-L)	1	
317(4)	VXU0309	BOTTOM PLATE	1	
318(4)	VHDO059	BOTTOM PLATE SCREW	7	
319(4)	VMP3141	EARTH ANGLE	1	
320(4)	VHDO141	POWER SCREW	2	
321(4)	VJFO374	MAIN C.B.A. HOLDER	1	
322(4)	VJS3084A005	BRIDGE CONNECTOR	1	
323(4)	VKA0122	FOOT	2	
400(5)	VQT4180	OPERATING INSTRUCTIONS	1	<(!)NV-J40EG
		(ENGLISH/GERMAN)		
400(5)	VQT4179	OPERATING INSTRUCTIONS	1	<(!)NV-J40B
		(ENGLISH)		[SUPPLIED FROM M.B.V.]
401(5)	VQC1859	PROGRAMME SHEET	1	NV-J40EG
401(5)	VQC1860	PROGRAMME SHEET	1	NV-J40B
				[SUPPLIED FROM M.B.V.]
402(5)	VJA0376	DIN RF CABLE	1	
403(5)	VJA0449	AC CORD	1	<(!)NV-J40EG
403(5)	VJA0688	AC CORD	1	<(!)NV-J40B
404(5)	VEQ1253	REMOTE CONTROLLER	1	NV-J40EG
		(BUILD IN DIGITAL SCANNER)		
404(5)	VEQ1252	REMOTE CONTROLLER	1	NV-J40B
		(BUILD IN DIGITAL SCANNER)		
405(5)	VFK0625	ACCESSORIES PACKING	1	
406(5)	VFN3103	CUSHION (R)	1	
407(5)	VFN3104	CUSHION (L)	1	
408(5)	VPG6213	PACKING	1	NV-J40EG
				[SUPPLIED FROM M.B.V.]
408(5)	VPG6215	PACKING	1	NV-J40B
				[SUPPLIED FROM M.B.V.]
450(6)	VYK3934	TOP COVER UNIT	1	NV-J40EG
450(6)	VYK3933	TOP COVER UNIT	1	NV-J40B
451(6)	VKM2598	BOTTOM COVER	1	
452(6)	VJRO680	ELECTRODE (COM.)	1	
453(6)	VJRO657	ELECTRODE(+)	1	
454(6)	VJRO658	ELECTRODE(-)	1	
455(6)	VKFI658	BATTERY COVER	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
456(6)	VKG1449	IR WINDOW	1	
457(6)	VSPO598	RUBBER CONTACT	1	NV-J40B
457(6)	VSPO597	RUBBER CONTACT	1	NV-J40B
458(6)	VGQ2399	SENSOR CAP	1	
459(6)	VMT0373T	CONDUCTIVE RUBBER	2	
460(6)	VGZ2797	DOOR PANEL	1	
461(6)	VSL0243	LCD	1	
		SERVICING FIXTURES		
	VFJ8125H3F	VHS-ALIGNMENT TAPE (PAL)	1	
	VFK0335	RETAINING RING REMOVER	1	
		(3mm/4mm)		
	VFK0387	TENSION POST ADJUSTMENT	1	
		PLATE		
	VFK0191	POST ADJUSTMENT PLATE	1	
	VFK0190	REEL TABLE HEIGHT GAUGE	1	
	VFK0328	H-POSITION ADJ.	1	
		SCREWDRIVER		
	VFK0329	POST ADJUSTMENT SCREWDRIVER	1	
	VFK62	FAN TYPE TENSION GAUGE	1	
	VFK0326	HEX WRENCH SET	1	
	VFK0132	BACK TENSION METER	1	
	VFK0343	CHECK LIGHT	1	
	VFK0344	HEIGHT ADJUSTMENT JIG	1	
	VFK27	HEAD CLEANING STICK	1	
	MOR265	MORLYTONE GREASE	1	
	VFK0680	WHITE GREASE	1	
	VFK0341	UPPER CYLINDER REMOVER	1	

4-3. ELECTRICAL REPLACEMENT PARTS LIST (NV-J40EG/B)

Note: 1. * Be sure to make your orders of replacement parts according to this list.
 2. 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.
 3. Unless otherwise specified, All resistors are in OHMS, K-1.000 OHMS. All capacitors are in MICRO-FARADS (uf), P=uf.
 4. The P.C. Board units marked with '■' show below the main assembled parts.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VEPO3840E	MAIN C.B.A.	1	(NLA) NV-J40EG [SUPPLIED FROM M.B.V]
	VEPO3840F	MAIN C.B.A.	1	(NLA) NV-J40B [SUPPLIED FROM M.B.V]
	VEPO3883D	INPUT/OUTPUT PACK C.B.A.	1	(NLA) NV-J40EG [SUPPLIED FROM M.B.V]
	VEPO3883E	INPUT/OUTPUT PACK C.B.A.	1	(NLA) NV-J40B [SUPPLIED FROM M.B.V]
	VEPO3857E	LUMINANCE & CHROMINANCE C.B.A.	1	(NLA) NV-J40EG [SUPPLIED FROM M.B.V]
	VEPO3857F	LUMINANCE & CHROMINANCE C.B.A.	1	(NLA) NV-J40B [SUPPLIED FROM M.B.V]
	VEPO2375A	CYLINDER DRIVE C.B.A.	1	(NLA) NV-J40B
	VEPO2375B	CYLINDER DRIVE C.B.A.	1	(NLA) NV-J40EG [SUPPLIED FROM M.B.V]
	VEPO5167E	HEAD AMP C.B.A.	1	(NLA)
	VEPO7538E	VPS PACK C.B.A.	1	(NLA) NV-J40EG
	VEPO7637C	TIMER C.B.A.	1	(NLA) NV-J40B [SUPPLIED FROM M.B.V] INCLUDING THE IR RECEIVER UNIT (VEK5206)
	VEPO7637D	TIMER C.B.A.	1	(NLA) NV-J40EG INCLUDING THE IR RECEIVER UNIT (VEK5206)
	VEK5206	IR RECEIVER UNIT	1	(NLA) INCLUDED IN TIMER C.B.A. (VEPO7637C/D)
	VEPOOR31A	OPERATION C.B.A.	1	(NLA)
	VEPO7643A	TV DEMODULATOR PACK C.B.A.	1	(NLA) NV-J40EG
	VEPO7645A	TV DEMODULATOR PACK C.B.A.	1	(NLA) NV-J40B [SUPPLIED FROM M.B.V]
	VEPO1469C	POWER C.B.A.	1	(NLA) (<!) NV-J40EG
	VEPO1469D	POWER C.B.A.	1	(NLA) (<!) NV-J40B [SUPPLIED FROM M.B.V]
	VEPOOR11A	PHOTO Tr. (S) C.B.A.	1	(NLA)
	-----	PHOTO Tr. (T) C.B.A.	1	(NLA)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VXA4463	MECHANISM CONNECTION C.B.A.	1	(NLA)
	VEP66178H	REMOTE CONTROLLER C.B.A.	1	(NLA) NV-J40B
	VEP66178L	REMOTE CONTROLLER C.B.A.	1	(NLA) NV-J40EG
	ENC17982	RF CONVERTER UNIT	1	(NLA) NV-J40B
	ENC17984	RF CONVERTER UNIT	1	(NLA) NV-J40EG
F1101	XBA2C16TBO	FUSE 250V 1.6A	1	(<!)>
	■ VEPO3840E	MAIN C.B.A.		(NLA) NV-J40EG [SUPPLIED FROM M.B.V]
		CAPACITORS		
C1001	ECEA1EK470	E. CAPACITOR 25V 47U	1	
C1002	ECEA1CK470	E. CAPACITOR 16V 47U	1	
C1003	ECEAOJK101	E. CAPACITOR 6.3V 100U	1	
C2001	ECQV1H683JZ	P. CAPACITOR 50V 0.068U	1	
C2002	ECEA1HKR3	E. CAPACITOR 50V 3.3U	1	
C2003	ECEA1HGNR3	E. CAPACITOR 50V 3.3U	1	
C2004	ECQB1H223KZ	P. CAPACITOR 50V 0.022U	1	
C2005	ECEA1CK100	E. CAPACITOR 16V 10U	1	
C2006	ECEA1HKR3	E. CAPACITOR 50V 3.3U	1	
C2007	ECEAOJK221	E. CAPACITOR 6.3V 220U	1	
C2008	ECQB1H223KZ	P. CAPACITOR 50V 0.022U	1	
C2009	ECUM1H472KEN	C. CAPACITOR CH 50V 4700P	1	
C2010	ECUM1H1032FN	C. CAPACITOR CH 50V 0.01U	1	
C2011	ECEA1HKR47	E. CAPACITOR 50V 0.47U	1	
C2012	ECQB1H223KZ	P. CAPACITOR 50V 0.022U	1	
C2013	ECUM1H1032FN	C. CAPACITOR CH 50V 0.01U	1	
C2014	ECEAOJK470	E. CAPACITOR 6.3V 47U	1	
C2015	ECEA1AK470	E. CAPACITOR 10V 47U	1	
C2016	ECUM1H1032FN	C. CAPACITOR CH 50V 0.01U	1	
C2017	ECEA1CK101	E. CAPACITOR 16V 100U	1	
C2018	ECEA1HKR7	E. CAPACITOR 50V 4.7U	1	
C2019	ECUM1H471KEN	C. CAPACITOR CH 50V 470P	1	
C2020	ECUM1H222KEN	C. CAPACITOR CH 50V 2200P	1	
C2021	ECUM1H392KEN	C. CAPACITOR CH 50V 3900P	1	
C2022, 23	ECEAOJK220	E. CAPACITOR 6.3V 22U	2	
C2024	ECQV1H184JZ	P. CAPACITOR 50V 0.18U	1	
C2027	ECQB1H103KZ	E. CAPACITOR 50V 0.01U	1	
C2028	ECEA1HGN010	E. CAPACITOR 50V 1U	1	
C2031	ECUM1H102KEN	C. CAPACITOR CH 50V 1000P	1	
C2033	ECEAOJK470	E. CAPACITOR 6.3V 47U	1	
C2034, 35	ECQV1H104JZ	P. CAPACITOR 50V 0.1U	2	
C2036	ECEAOJK330	E. CAPACITOR 6.3V 33U	1	
C2038	ECUM1H222KEN	C. CAPACITOR CH 50V 2200P	1	
C2101	ECUM1H1042FN	C. CAPACITOR CH 50V 0.1U	1	
C2211-13	ECEA1HKR2	E. CAPACITOR 50V 2.2U	3	
C2214	ECAOJM221	E. CAPACITOR 6.3V 220U	1	
C2215-19	ECUM1H333KEN	C. CAPACITOR CH 50V 0.033U	5	
C2221	ECUM1H333KEN	C. CAPACITOR CH 50V 0.033U	1	
C2222	ECEA1CK470	E. CAPACITOR 16V 47U	1	
C2301	ECEAOJK470	E. CAPACITOR 6.3V 47U	1	
C2302	ECEA1EK47	E. CAPACITOR 25V 4.7U	1	
C2323	ECEA1HGN47	E. CAPACITOR 50V 0.47U	1	
C3001	ECEA1CK470	E. CAPACITOR 16V 47U	1	
C3002	ECAOJM102	E. CAPACITOR 6.3V 1000U	1	
C3003-06	ECUM1H1032FN	C. CAPACITOR CH 50V 0.01U	4	
C3008	ECUM1H101JCN	C. CAPACITOR CH 50V 100P	1	
C3009	ECUM1H1032FN	C. CAPACITOR CH 50V 0.01U	1	
C3010	ECEA1HGN010	E. CAPACITOR 50V 1U	1	
C3203	ECUM1H151JCN	C. CAPACITOR CH 50V 150P	1	
C3204	ECUM1H330JCN	C. CAPACITOR CH 50V 33P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3205	ECUMLH681JCN	C. CAPACITOR CH 50V 680P	1	
C3206	ECUMLH220JCN	C. CAPACITOR CH 50V 22P	1	
C3207	ECUMLH330JCN	C. CAPACITOR CH 50V 33P	1	
C3208	ECUMLH180JCN	C. CAPACITOR CH 50V 18P	1	
C3209	ECUMLH1032FN	C. CAPACITOR CH 50V 0.01U	1	
C3211	ECUMLH1032FN	C. CAPACITOR CH 50V 0.01U	1	
C3212	ECEA0JK101	E. CAPACITOR 6.3V 100U	1	
C3213	ECUMLH1032FN	C. CAPACITOR CH 50V 0.01U	1	
C3214	ECEA0JK470	E. CAPACITOR 6.3V 47U	1	
C3217	ECUMLH1032FN	C. CAPACITOR CH 50V 0.01U	1	
C4001	ECQB1H153JF	E. CAPACITOR 50V 0.015U	1	
C4002	ECEA16M33	E. CAPACITOR 16V 33U	1	
C4003	ECQB1H102KZ	P. CAPACITOR 50V 1000P	1	
C4004	ECQP1332JZ	P. CAPACITOR	1	
C4005	ECCD2H181J	CAPACITOR	1	
C4006	ECEA1CK470	E. CAPACITOR 16V 47U	1	
C4007	ECEA1CK330	E. CAPACITOR 16V 33U	1	
C4008	ECEA1HK010	E. CAPACITOR 50V 1U	1	
C4009	ECEA1EK4R7	E. CAPACITOR 25V 4.7U	1	
C4012	ECEA1CK100	E. CAPACITOR 16V 10U	1	
C4013	ECUMLH471JCN	C. CAPACITOR CH 50V 470P	1	
C4014	ECUMLH221JCN	C. CAPACITOR CH 50V 220P	1	
C4015	ECEA16M10R	E. CAPACITOR 16V 10.U	1	
C4016	ECUMLH102KBN	C. CAPACITOR CH 50V 1000P	1	
C4017	ECEA10M22	E. CAPACITOR	1	
C4018	ECQB1H822KZ	P. CAPACITOR 50V 8200P	1	
C4019	ECEA1CK100	E. CAPACITOR 16V 10U	1	
C4020	ECUMLH102KBN	C. CAPACITOR CH 50V 1000P	1	
C4021	ECEA0JK101	E. CAPACITOR 6.3V 100U	1	
C4022	ECUMLH102KBN	C. CAPACITOR CH 50V 1000P	1	
C4023	ECUMLH221JCN	C. CAPACITOR CH 50V 220P	1	
C4024.25	ECUMLH101JCN	C. CAPACITOR CH 50V 100P	2	
C4026	ECUMLH104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C4029	ECQB1H123JF	E. CAPACITOR 50V 0.012U	1	
C4036	ECUMLH681JCN	C. CAPACITOR CH 50V 680P	1	
C4038	ECQB1H273JH	P. CAPACITOR 50V 0.027U	1	
C4102	ECUMLH102KBN	C. CAPACITOR CH 50V 1000P	1	
C6001	ECUMLH104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C6002	ECEA0JK220	E. CAPACITOR 6.3V 22U	1	
C6005	ECEA0JK470	E. CAPACITOR 6.3V 47U	1	
C6006.07	ECUMLH271KEN	C. CAPACITOR CH 50V 270P	2	
C6008	ECQV1H224JZ	P. CAPACITOR 50V 0.22U	1	
C6101	ECUMLH1032FN	C. CAPACITOR CH 50V 0.01U	1	
C6102	ECUMLH104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C6103	ECEA0JK470	E. CAPACITOR 6.3V 47U	1	
C6104	ECUMLH181JCN	C. CAPACITOR CH 50V 180P	1	
C6105	ECUMLH101JCN	C. CAPACITOR CH 50V 100P	1	
C6106	ECUMLH150JCN	C. CAPACITOR CH 50V 15P	1	
C6201	ECUMLH333KBN	C. CAPACITOR CH 50V 0.033U	1	
C6501	ECUMLH104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C6504	ECUMLH1032FN	C. CAPACITOR CH 50V 0.01U	1	
C6601	ECEA0JU331	E. CAPACITOR 6.3V 330U	1	
C6602	ECEA0JK470	E. CAPACITOR 6.3V 47U	1	
C6603	ECUMLH1032FN	C. CAPACITOR CH 50V 0.01U	1	
C6604	ECUMLH104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C6605	ECEA1EU470	E. CAPACITOR 25V 47U	1	
C6606.07	ECA1CM102	CAPACITOR	2	
C7401	ECA0JM221	E. CAPACITOR 6.3V 220U	1	
C7402	ECC5SR5T224N	E. CAPACITOR 5.5V 0.22U	1	
C7403	ECUMLH1032FN	C. CAPACITOR CH 50V 0.01U	1	
C7404	ECUMLH223KBN	C. CAPACITOR CH 50V 0.022U	1	
C7406	ECUMLH1032FN	C. CAPACITOR CH 50V 0.01U	1	
C7407	ECEA0JKS101	E. CAPACITOR 6.3V 100U	1	
C7408	ECUMLH1032FN	C. CAPACITOR CH 50V 0.01U	1	
C7409	ECUMLH104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C7410.11	ECUMLH1032FN	C. CAPACITOR CH 50V 0.01U	2	
C7421	ECUMLH1032FN	C. CAPACITOR CH 50V 0.01U	1	
C7422	ECUMLH272KEN	C. CAPACITOR CH 50V 2700P	1	
C7424	ECUMLH101JCN	C. CAPACITOR CH 50V 100P	1	
C7425	ECUMLH1032FN	C. CAPACITOR CH 50V 0.01U	1	
C7426	ECUMLH104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C7427.28	ECUMLH1032FN	C. CAPACITOR CH 50V 0.01U	2	
		DIODES		

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
D1001.02	1SS254	DIODE	2	
D2001	1SS254	DIODE	1	
D2005	1SS254	DIODE	1	
D2008	MA4051	DIODE	1	
D2303.04	1SS254	DIODE	2	
D3001	1SS254	DIODE	1	
D4003.04	1SS254	DIODE	2	
D6003	MA723VT	DIODE	1	(VT)
D6005	1SS254	DIODE	1	
D6007	1SS254	DIODE	1	
D6601-05	1SS254	DIODE	5	
D6606	MA151WA	DIODE	1	
D6607	AK04	DIODE	1	
D6608	ERA15-01	DIODE	1	
D7401.02	MA723VT	DIODE	2	(VT)
		ICS		
IC2201	XRA6435S	IC	1	
IC2301	UPC358G2	IC	1	
IC4001	XRA7766AS	IC	1	
IC6001	MN6743VRDD	IC	1	
IC6002	UPC358G2	IC	1	
IC6502	PST590D	IC	1	
IC6601	SI-3090CA	IC	1	
		RESISTORS		
K3001	ERJ6GM2OR00	M.RESISTOR CH 1/10W	0 1	
K3007	ERJ6GM2OR00	M.RESISTOR CH 1/10W	0 1	
K3011	ERJ6GM2OR00	M.RESISTOR CH 1/10W	0 1	
K3016	ERJ6GM2OR00	M.RESISTOR CH 1/10W	0 1	
K3201.02	ERJ6GM2OR00	M.RESISTOR CH 1/10W	0 2	
K4002	ERJ6GM2OR00	M.RESISTOR CH 1/10W	0 1	
K4005	ERJ6GM2OR00	M.RESISTOR CH 1/10W	0 1	
K4102	ERJ6GM2OR00	M.RESISTOR CH 1/10W	0 1	
K6010	ERJ6GM2OR00	M.RESISTOR CH 1/10W	0 1	
K6601	ERJ6GM2OR00	M.RESISTOR CH 1/10W	0 1	
K7401	ERJ6GM2OR00	M.RESISTOR CH 1/10W	0 1	
K7408	ERJ6GM2OR00	M.RESISTOR CH 1/10W	0 1	
		COILS		
L2001	ELESP10ZKA	COIL 1000UH	1	
L2002	ELESQ101KA	COIL 100UH	1	
L2004	VLP0125-T	COIL	1	
L3001	ELESQ101KA	COIL 100UH	1	
L3202	ELESP6R8KA	COIL 6.8UH	1	
L3203	ELESQ101KA	COIL 100UH	1	
L3204	ELESP120KA	COIL 12UH	1	
L3205	ELESQ5R6KA	COIL 5.6UH	1	
L3206	ELESQ101KA	COIL 100UH	1	
L3207	ELESQ3R3KA	COIL 3.3UH	1	
L4001	VLP0107F153K	COIL 15mH	1	
L4002	ELESP471KA	COIL 470UH	1	
L6001	VLP0074	COIL	1	
L6101	ELESQ101KA	COIL 100UH	1	
L7401	ELESQ1R0KA	COIL 1UH	1	
L7402	ELESQ101KA	COIL 100UH	1	
L7403	VLP0085	COIL	1	
L7404	ELESQ1R0KA	COIL 1UH	1	
L7405	ELESQ101KA	COIL 100UH	1	
		CONNECTORS		
P1001	VJS1661	CONNECTOR (FEMALE)	1	
P2001	VJS2328	CONNECTOR (FEMALE)	1	
P2002	VJS1663	CONNECTOR (FEMALE)	1	
P3001	VJS1658	CONNECTOR (FEMALE)	1	
P4101	VJS2331	CONNECTOR (FEMALE)	1	
P6001	VJS1661	CONNECTOR (FEMALE)	1	
P6002	VJS3147	CONNECTOR (FEMALE)	1	
P7401	VJS1664	CONNECTOR (FEMALE)	1	
P7402	VJS1668	CONNECTOR (FEMALE)	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
		CONNECTORS		
PF3001	VJP3044G009W	CONNECTOR (MALE)	1	
PF3002	VJP3044G012W	CONNECTOR (MALE)	1	
PF3003	VJP3044G006W	CONNECTOR (MALE)	1	
PF3901	VJP3042A011W	CONNECTOR (MALE)	1	
PF3902	VJP3042A012W	CONNECTOR (MALE)	1	
PF7401-03	VJP3043A005W	CONNECTOR (MALE)	3	
PF7404	VJP3043A006W	CONNECTOR (MALE)	1	
PF7405	VJP3043A004W	CONNECTOR (MALE)	1	
PF7406	VJP3043G010W	CONNECTOR (MALE)	1	
		TRANSISTORS		
Q2002	2SD1915	TRANSISTOR	1	
Q3001	MSB709	TRANSISTOR	1	
Q3201_02	MSC2295	TRANSISTOR	2	
Q3203	MSD601	TRANSISTOR	1	
Q3204	2SB970-R	TRANSISTOR CHIP	1 (R,S)	
Q4001	MSD602	TRANSISTOR	1 (R)	
Q6101	MSC2295	TRANSISTOR	1	
Q6201_02	MSB710	TRANSISTOR	2 (R)	
Q6203	2SB1321-R	TRANSISTOR	1	
Q6603-05	2SD1994-S	TRANSISTOR	3 (S)	
Q6606	MSD602	TRANSISTOR	1	
Q6607	MSD601	TRANSISTOR	1	
		COMBINATION PARTS		
QR1001	MRN1402	TRANSISTOR	1	
QR2001	MRN1404	TRANSISTOR	1	
QR2006	MRN1404	TRANSISTOR	1	
QR3001	MRN2402	TRANSISTOR	1	
QR3007	MRN1403	TRANSISTOR	1	
QR4001	MRN1404	TRANSISTOR	1	
QR4102	MRN1404	TRANSISTOR	1	
QR4103	DTC363EK	TRANSISTOR-RESISTOR	1	
QR6006	UN2216	TRANSISTOR-RESISTOR	1	
QR6201_02	MRN1404	TRANSISTOR	2	
QR6601	UN2119	TRANSISTOR-RESISTOR	1	
QR6602	MRN2404	TRANSISTOR	1	
QR6603-05	MRN1403	TRANSISTOR	3	
QR6606_07	MRN2404	TRANSISTOR	2	
QR7401	MRN1402	TRANSISTOR	1	
		RESISTORS		
R2003	ERJ6GMJG392	M.RESISTOR CH 1/10W 3.9K	1	
R2004	ERJ6GMJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2005	ERJ6GMJ123	M.RESISTOR CH 1/10W 12K	1	
R2006-08	ERJ6GMJ223	M.RESISTOR CH 1/10W 22K	3	
R2009_10	ERJ6GMJ332	M.RESISTOR CH 1/10W 3.3K	2	
R2011	ERJ6GMJ223	M.RESISTOR CH 1/10W 22K	1	
R2012_13	ERJ6GMJ104	M.RESISTOR CH 1/10W 100K	2	
R2021_22	ERJ6GMJ223	M.RESISTOR CH 1/10W 22K	2	
R2023	ERDS2TJ391	C.RESISTOR 1/4W 390	1	
R2024	ERJ6GMJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2026	ERJ6GMJ513	M.RESISTOR CH 1/10W 51K	1	
R2027	ERJ6GMJ824	M.RESISTOR CH 1/10W 820K	1	
R2030	ERJ6GMJ472	M.RESISTOR CH 1/10W 4.7K	1	
R2032	ERJ6GMJ102	M.RESISTOR CH 1/10W 1K	1	
R2033	ERJ6GMJ272	M.RESISTOR CH 1/10W 2.7K	1	
R2034	ERJ6GMJ221	M.RESISTOR CH 1/10W 220	1	
R2102	ERJ6GMJ561	M.RESISTOR CH 1/10W 560	1	
R2103_04	ERJ6GMJ103	M.RESISTOR CH 1/10W 10K	2	
R2108	ERJ6GMJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2215	ERJ6GMJ512	M.RESISTOR CH 1/10W 5.1K	1	
R2217	ERJ6GMJ622	M.RESISTOR CH 1/10W 6.2K	1	
R2218	ERJ6GMJ752	M.RESISTOR CH 1/10W 7.5K	1	
R2219	ERJ6GMJ102	M.RESISTOR CH 1/10W 1K	1	
R2220-22	ERDS2TJ330	C.RESISTOR 1/4W 33	3	
R2223	ERJ6GMJ330	M.RESISTOR CH 1/10W 33K	1	
R2224	ERX12SJR47	RESISTOR 0.47	1	
R2301_02	ERJ6GMJ223	M.RESISTOR CH 1/10W 22K	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R2303	ERJ6GMJ105	M.RESISTOR CH 1/10W 1M	1	
R2307	ERJ6GMJ105	M.RESISTOR CH 1/10W 1M	1	
R2312	ERJ6GMJ392	M.RESISTOR CH 1/10W 3.9K	1	
R3002	ERJ6GMJ103	M.RESISTOR CH 1/10W 10K	1	
R3003	ERJ6GMJ750	M.RESISTOR CH 1/10W 75	1	
R3004	ERJ6GMJ223	M.RESISTOR CH 1/10W 22K	1	
R3012	ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R3013	ERJ6GMJ472	M.RESISTOR CH 1/10W 4.7K	1	
R3014	ERJ6GMJ471	M.RESISTOR CH 1/10W 470	1	
R3015	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0	1	
R3016	ERJ6GMJ102	M.RESISTOR CH 1/10W 1K	1	
R3201_02	ERJ6GMJ102	M.RESISTOR CH 1/10W 1K	2	
R3203	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0	1	
R3204_05	ERJ6GMJ821	M.RESISTOR CH 1/10W 820	2	
R3207_08	ERJ6GMJ223	M.RESISTOR CH 1/10W 22K	2	
R3211	ERJ6GMJ103	M.RESISTOR CH 1/10W 10K	1	
R3212	ERJ6GMJ104	M.RESISTOR CH 1/10W 100K	1	
R3213	ERJ6GMJ102	M.RESISTOR CH 1/10W 1K	1	
R3215	ERJ6GMJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3216	ERJ6GMJ102	M.RESISTOR CH 1/10W 1K	1	
R3217	ERJ6GMJ103	M.RESISTOR CH 1/10W 10K	1	
R3219	ERJ6GMJ562	M.RESISTOR CH 1/10W 5.6K	1	
R3223	ERJ6GMJ152	M.RESISTOR CH 1/10W 1.5K	1	
R4002	ERJ6GMJ183	M.RESISTOR CH 1/10W 18K	1	
R4003	ERJ6GMJG223	M.RESISTOR CH 1/10W 22K	1	
R4004	ERJ6GMJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4006	ERJ6GMJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4007	ERJ6GMJG221	M.RESISTOR CH 1/10W 220	1	
R4008	ERJ6GMJ122	M.RESISTOR CH 1/10W 1.2K	1	
R4010	ERJ6GMJ273	M.RESISTOR CH 1/10W 27K	1	
R4011	ERJ6GMJ471	M.RESISTOR CH 1/10W 470	1	
R4012	ERJ6GMJ331	M.RESISTOR CH 1/10W 330	1	
R4013	ERJ6GMJ394	M.RESISTOR CH 1/10W 390K	1	
R4014	ERJ6GMJG822	M.RESISTOR CH 1/10W 8.2K	1	
R4015	ERJ6GMJ153	M.RESISTOR CH 1/10W 15K	1	
R4016	ERJ6GMJ105	M.RESISTOR CH 1/10W 1M	1	
R4017	ERJ6GMJG302	M.RESISTOR CH 1/10W 3K	1	
R4018	ERJ6GMJ223	M.RESISTOR CH 1/10W 22K	1	
R4019	ERJ6GMJG513	M.RESISTOR CH 1/10W 51K	1	
R4020	ERJ6GMJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4023	ERJ6GMJG473	M.RESISTOR CH 1/10W 47K	1	
R4024_25	ERJ6GMJG104	M.RESISTOR CH 1/10W 100K	2	
R4026	ERJ6GMJ123	M.RESISTOR CH 1/10W 12K	1	
R4027	ERJ6GMJ153	M.RESISTOR CH 1/10W 15K	1	
R4028	ERJ6GMJ102	M.RESISTOR CH 1/10W 1K	1	
R4038	ERJ6GMJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4042	ERJ6GMJ681	M.RESISTOR CH 1/10W 680	1	
R4044	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0	1	
R4049	ERJ6GMJ470	M.RESISTOR CH 1/10W 47	1	
R4053	ERJ6GMJ331	M.RESISTOR CH 1/10W 330	1	
R4101	ERJ6GMJ100	M.RESISTOR CH 1/10W 10	1	
R4102	ERJ6GMJG332	M.RESISTOR CH 1/10W 3.3K	1	
R4103	ERJ6GMJG622	M.RESISTOR CH 1/10W 6.2K	1	
R4104	ERJ6GMJ822	M.RESISTOR CH 1/10W 8.2K	1	
R4106	ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R6001	ERJ6GMJ103	M.RESISTOR CH 1/10W 10K	1	
R6003_04	ERJ6GMJ333	M.RESISTOR CH 1/10W 33K	2	
R6005	ERJ6GMJ101	M.RESISTOR CH 1/10W 100	1	
R6006_07	ERJ6GMJ221	M.RESISTOR CH 1/10W 220	2	
R6008-11	ERJ6GMJ103	M.RESISTOR CH 1/10W 10K	4	
R6012-15	ERJ6GMJ333	M.RESISTOR CH 1/10W 33K	4	
R6016_17	ERJ6GMJ272	M.RESISTOR CH 1/10W 2.7K	2	
R6018	ERJ6GMJ561	M.RESISTOR CH 1/10W 560	1	
R6019	ERJ6GMJ391	M.RESISTOR CH 1/10W 390	1	
R6022	ERJ6GMJ332	M.RESISTOR CH 1/10W 3.3K	1	
R6023	ERJ6GMJ561	M.RESISTOR CH 1/10W 560	1	
R6024_25	ERJ6GMJ333	M.RESISTOR CH 1/10W 33K	2	
R6026_27	ERJ6GMJ561	M.RESISTOR CH 1/10W 560	2	
R6032	ERJ6GMJ561	M.RESISTOR CH 1/10W 560	1	
R6036	ERJ6GMJ222	M.RESISTOR CH 1/10W 2.2K	1	
R6037	ERJ6GMJ122	M.RESISTOR CH 1/10W 1.2K	1	
R6038	ERJ6GMJ101	M.RESISTOR CH 1/10W 100	1	
R6039	ERJ6GMJ333	M.RESISTOR CH 1/10W 33K	1	
R6052	ERJ6GMJ183	M.RESISTOR CH 1/10W 18K	1	
R6053	ERJ6GMJ472	M.RESISTOR CH 1/10W 4.7K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
		COMBINATION PARTS		
QR1001	MRN1402	TRANSISTOR	1	
QR2001	MRN1404	TRANSISTOR	1	
QR2006	MRN1404	TRANSISTOR	1	
QR2101	MRN1407	TRANSISTOR	1	
QR2102	MRN1402	TRANSISTOR	1	
QR2103	MRN1404	TRANSISTOR	1	
QR3001	MRN2402	TRANSISTOR	1	
QR3007	MRN1403	TRANSISTOR	1	
QR4001	MRN1404	TRANSISTOR	1	
QR4102	MRN1404	TRANSISTOR	1	
QR4103	DTC363EK	TRANSISTOR-RESISTOR	1	
QR6006	UN2216	TRANSISTOR-RESISTOR	1	
QR6201.02	MRN1404	TRANSISTOR	2	
QR6601	UN2119	TRANSISTOR-RESISTOR	1	
QR6602	MRN2404	TRANSISTOR	1	
QR6603-05	MRN1403	TRANSISTOR	3	
QR6606.07	MRN2404	TRANSISTOR	2	
QR7401	MRN1402	TRANSISTOR	1	
		RESISTORS		
R2001.02	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	2	
R2003	ERJ6GMYG392	M.RESISTOR CH 1/10W 3.9K	1	
R2004	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2005	ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	1	
R2006-08	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	3	
R2009.10	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	2	
R2011	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R2012.13	ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	2	
R2021.22	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	2	
R2023	ERDS2TJ391	C.RESISTOR 1/4W 390	1	
R2024	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2026	ERJ6GMYG513	M.RESISTOR CH 1/10W 51K	1	
R2027	ERJ6GMYJ824	M.RESISTOR CH 1/10W 820K	1	
R2030	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R2032	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2033	ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R2034	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R2101	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2102	ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R2103.04	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	2	
R2106	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2107	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R2108	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2115.16	ERJ6GMYG0R00	M.RESISTOR CH 1/10W 0	2	
R2215	ERJ6GMYG512	M.RESISTOR CH 1/10W 5.1K	1	
R2217	ERJ6GMYG622	M.RESISTOR CH 1/10W 6.2K	1	
R2218	ERJ6GMYG752	M.RESISTOR CH 1/10W 7.5K	1	
R2219	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2220-22	ERDS2TJ330	C.RESISTOR 1/4W 33	3	
R2223	ERJ6GMYJ330	M.RESISTOR CH 1/10W 33	1	
R2224	ERX12SJR47	RESISTOR	0.47	1
R2301.02	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	2	
R2303	ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M	1	
R2307	ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M	1	
R2312	ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R3002	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R3003	ERJ6GMYJ750	M.RESISTOR CH 1/10W 75	1	
R3004	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R3012	ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R3013	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R3014	ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R3015	ERJ6GMYG0R00	M.RESISTOR CH 1/10W 0	1	
R3016	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3201.02	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	2	
R3203	ERJ6GMYG0R00	M.RESISTOR CH 1/10W 0	1	
R3204.05	ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	2	
R3207.08	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	2	
R3211	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R3212	ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R3213	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3215	ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3216	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3217	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R3219	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R3223	ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R4002	ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R4003	ERJ6GMYG223	M.RESISTOR CH 1/10W 22K	1	
R4004	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4006	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4007	ERJ6GMYG221	M.RESISTOR CH 1/10W 220	1	
R4008	ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R4010	ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K	1	
R4011	ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R4012	ERJ6GMYJ331	M.RESISTOR CH 1/10W 330	1	
R4013	ERJ6GMYJ394	M.RESISTOR CH 1/10W 390K	1	
R4014	ERJ6GMYG822	M.RESISTOR CH 1/10W 8.2K	1	
R4015	ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K	1	
R4016	ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M	1	
R4017	ERJ6GMYG302	M.RESISTOR CH 1/10W 3K	1	
R4018	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R4019	ERJ6GMYG513	M.RESISTOR CH 1/10W 51K	1	
R4020	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4023	ERJ6GMYG473	M.RESISTOR CH 1/10W 47K	1	
R4024.25	ERJ6GMYG104	M.RESISTOR CH 1/10W 100K	2	
R4026	ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	1	
R4027	ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K	1	
R4028	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R4038	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4042	ERJ6GMYJ681	M.RESISTOR CH 1/10W 680	1	
R4044	ERJ6GMYG103	M.RESISTOR CH 1/10W 10K	1	
R4049	ERJ6GMYJ470	M.RESISTOR CH 1/10W 47	1	
R4053	ERJ6GMYJ331	M.RESISTOR CH 1/10W 330	1	
R4101	ERJ6GMYJ100	M.RESISTOR CH 1/10W 10	1	
R4102	ERJ6GMYG332	M.RESISTOR CH 1/10W 3.3K	1	
R4103	ERJ6GMYG622	M.RESISTOR CH 1/10W 6.2K	1	
R4104	ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R4106	ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R6001	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R6003.04	ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	2	
R6005	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R6006.07	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	2	
R6008-11	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	4	
R6012-15	ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	4	
R6016.17	ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	2	
R6018	ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R6019	ERJ6GMYJ391	M.RESISTOR CH 1/10W 390	1	
R6022	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R6023	ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R6024.25	ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	2	
R6026.27	ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	2	
R6032	ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R6036	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R6037	ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R6038	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R6039	ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R6052	ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R6053	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R6054	ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R6056	ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R6057	ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K	1	
R6061	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R6062	ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K	1	
R6063	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R6064	ERJ6GMYJ184	M.RESISTOR CH 1/10W 180K	1	
R6065	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R6066	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R6101	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R6102	ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R6103.04	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	2	
R6201	ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R6202	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R6203	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R6204	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R6205	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R6502	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6601	ERJ6QMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R6602	ERJ6QMYJ103	M.RESISTOR CH 1/10W 10K	1	
R6605	ERJ6QMYJ221	M.RESISTOR CH 1/10W 220	1	
R6606	ERJ6QMYJ131	M.RESISTOR CH 1/10W 130	1	
R6607	ERJ6QMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R6608	ERJ6QMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R6609	ERG3SJ220	M.RESISTOR 3W 22	1	
R6610	ERJ6QMYJ201	M.RESISTOR CH 1/10W 200	1	
R6611	ERJ6QMYJ103	M.RESISTOR CH 1/10W 10K	1	
R6612	ERD2FCV6220	C.RESISTOR 2W 22	1	
R6613	ERJ6QMYJ102	M.RESISTOR CH 1/10W 1K	1	
R6614	ERJ6QMYJ153	M.RESISTOR CH 1/10W 15K	1	
R6615	ERJ6QMYJ103	M.RESISTOR CH 1/10W 10K	1	
R6616	ERJ6QMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R6617	ERJ6QMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R6618	ERJ6QMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R6623	ERJ6QMYJ101	M.RESISTOR CH 1/10W 100	1	
R7401	ERJ6QMYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R7402	ERJ6QMYJ181	M.RESISTOR CH 1/10W 180	1	
TRANSFORMER				
T4001	EI7Q7FO14Q	TRANSFORMER	1	
VARIABLE RESISTORS				
VR2001	EVNDXAA00B54	V.RESISTOR 50K	1	
VR3012	EVNDXAA00B52	V.RESISTOR 500	1	
VR4002	EVNDXAA00B25	V.RESISTOR 200K	1	
CRYSTAL OSCILLATORS				
X6101	VSX0383	CRYSTAL OSCILLATOR	1	
X7401	VSQ0565	CRYSTAL OSCILLATOR	1	
MISCELLANEOUS				
	VWJ0532B	FLAT CARD (CABLE)	1	
	VJF0974	FLAT CARD CRIP	1	
	VWJ0528B	FLAT CARD (CABLE)	1	P1001-P1101
	VWJ0529A	FLAT CARD (CABLE)	1	P2001-P201
	VWJ0530B	FLAT CARD (CABLE)	1	P2002-P006
	VWJ0533A	FLAT CARD (CABLE)	1	P6001-P1504
	VEPO3883D	INPUT/OUTPUT PACK C.B.A.		(NLA) NV-J40BG [SUPPLIED FROM M.B.V.]
CAPACITORS				
C3101	ECEAQJK470	E.CAPACITOR 6.3V 47U	1	
C3102	ECEALCK470	E.CAPACITOR 16V 47U	1	
C3103,04	ECUMLH33ZKBV	C.CAPACITOR CH 50V 3300P	2	
C3105	ECEALCK100	E.CAPACITOR 16V 10U	1	
C3901,02	ECEALCK330	E.CAPACITOR 16V 33U	2	
C3903	ECEALHKO10	E.CAPACITOR 50V 1U	1	
C3904-06	ECEALCK470	E.CAPACITOR 16V 47U	3	
C3907,08	ECEALHKR2	E.CAPACITOR 50V 2.2U	2	
C3909	ECEALHRR47	E.CAPACITOR 50V 0.47U	1	
C3910	ECUMLH1032FN	C.CAPACITOR CH 50V 0.01U	1	
C3911	ECUMLH22ZKBV	C.CAPACITOR CH 50V 2200P	1	
C3912	ECUMLH471KBV	C.CAPACITOR CH 50V 470P	1	
C3922	ECUMLH10ZKBV	C.CAPACITOR CH 50V 1000P	1	
C3923	ECEALCK100	E.CAPACITOR 16V 10U	1	
C3924	ECEA05KJ471	E.CAPACITOR 5V 470U	1	
DIODES				
D3101	1SS254	DIODE	1	
D3102	MA29W	DIODE	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
D3901,02	1SS254	DIODE	2	
FILTER				
FL3101	VLF0929	FILTER	1	
ICS				
IC3101	BA7004	IC	1	
IC3901	LA7150	IC	1	
CONNECTOR				
JK3906	VJS1469	CONNECTOR (FEMALE)	1	
RESISTOR				
K3919,20	ERJ6QM20R00	M.RESISTOR CH 1/10W	0	2
COILS				
L3101	ELESQ101KA	COIL 100UH	1	
L3901	ELESQ2R7K	COIL 2.7UH	1	
L3902,03	ELESQ1R0KA	COIL 1UH	2	
L3904	ELESF471KA	COIL 470UH	1	
CONNECTORS				
PS3901	VJS3042FO11W	CONNECTOR (FEMALE)	1	
PS3902	VJS3042B012W	CONNECTOR (FEMALE)	1	
TRANSISTORS				
Q3101	2SC3311	TRANSISTOR	1	
Q3901	2SB1320	TRANSISTOR	1	
RESISTORS				
R3101	ERJ6QMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3102	ERJ6QMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3103	ERJ6QMYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R3104	ERJ6QMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3105	ERJ6QMYJ561	M.RESISTOR CH 1/10W 560	1	
R3901	ERJ6QMYJ750	M.RESISTOR CH 1/10W 75	1	
R3902	ERDS2TJ750	C.RESISTOR 1/4W 75	1	
R3903,04	ERJ6QMYJ242	M.RESISTOR CH 1/10W 2.4K	2	
R3905	ERJ6QMYJ101	M.RESISTOR CH 1/10W 100	1	
R3906	ERJ6QMYJ273	M.RESISTOR CH 1/10W 27K	1	
R3907,08	ERJ6QMYJ750	M.RESISTOR CH 1/10W 75	2	
R3909	ERJ6QMYJ223	M.RESISTOR CH 1/10W 22K	1	
R3910	ERJ6QMYJ622	M.RESISTOR CH 1/10W 6.2K	1	
R3919,20	ERJ6QMYJ471	M.RESISTOR CH 1/10W 470	2	
SWITCHES				
SW3901	VSS0225	SWITCH	1	
SW3902	VSS0226	SWITCH	1	
CRYSTAL OSCILLATOR				
X3101	VSX0099	CRYSTAL OSCILLATOR	1	
MISCELLANEOUS				
	VEJ1125	REAR JACK PLATE	1	
	VEPO3883E	INPUT/OUTPUT PACK C.B.A.		(NLA) NV-J40B [SUPPLIED FROM M.B.V.]
CAPACITORS				

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3101	ECEA0JK470	E. CAPACITOR 6.3V 47U	1	
C3102	ECEA1CK470	E. CAPACITOR 16V 47U	1	
C3103.04	ECUMLH332KBN	C. CAPACITOR CH 50V 3300P	2	
C3105	ECEA1CK100	E. CAPACITOR 16V 10U	1	
C3901.02	ECEA1CK330	E. CAPACITOR 16V 33U	2	
C3903	ECEA1HK010	E. CAPACITOR 50V 1U	1	
C3904-06	ECEA1CK470	E. CAPACITOR 16V 47U	3	
C3907.08	ECEA1HK2R2	E. CAPACITOR 50V 2.2U	2	
C3909	ECEA1HKR47	E. CAPACITOR 50V 0.47U	1	
C3911	ECUMLH222KBN	C. CAPACITOR CH 50V 2200P	1	
C3912	ECUMLH471KBN	C. CAPACITOR CH 50V 470P	1	
		DIODES		
D3101	1SS254	DIODE	1	
D3102	MA29W	DIODE	1	
D3901.02	1SS254	DIODE	2	
		ICS		
IC3101	BA7004	IC	1	
IC3901	LA7150	IC	1	
		CONNECTOR		
JK3906	VJS1469	CONNECTOR (FEMALE)	1	
		RESISTORS		
K3101	ERJ6GMZ0R00	M. RESISTOR CH 1/10W 0	1	
K3901.02	ERJ6GMZ0R00	M. RESISTOR CH 1/10W 0	2	
K3916.17	ERJ6GMZ0R00	M. RESISTOR CH 1/10W 0	2	
K3919.20	ERJ6GMZ0R00	M. RESISTOR CH 1/10W 0	2	
		COILS		
L3101	ELESQ101KA	COIL 100UH	1	
L3901	ELESQ2R7K	COIL 2.7UH	1	
L3902	ELESQ1R0KA	COIL 1UH	1	
		CONNECTORS		
PS3901	VJS3042F011W	CONNECTOR (FEMALE)	1	
PS3902	VJS3042B012W	CONNECTOR (FEMALE)	1	
		TRANSISTOR		
Q3101	2SC3311	TRANSISTOR	1	
		RESISTORS		
R3101	ERJ6GMYJ102	M. RESISTOR CH 1/10W 1K	1	
R3102	ERJ6GMYJ152	M. RESISTOR CH 1/10W 1.5K	1	
R3103	ERJ6GMYJ392	M. RESISTOR CH 1/10W 3.9K	1	
R3104	ERJ6GMYJ152	M. RESISTOR CH 1/10W 1.5K	1	
R3105	ERJ6GMYJ561	M. RESISTOR CH 1/10W 560	1	
R3901	ERJ6GMYJ750	M. RESISTOR CH 1/10W 75	1	
R3902	ERDS2TJ750	C. RESISTOR 1/4W 75	1	
R3903.04	ERJ6GMYJ242W	M. RESISTOR CH 1/10W 2.4K	2	
R3905	ERJ6GMZ0R00	M. RESISTOR CH 1/10W 0	1	
R3906	ERJ6GMYJ273	M. RESISTOR CH 1/10W 27K	1	
R3907.08	ERJ6GMYJ750	M. RESISTOR CH 1/10W 75	2	
R3909	ERJ6GMYJ223	M. RESISTOR CH 1/10W 22K	1	
R3910	ERJ6GMYJ622	M. RESISTOR CH 1/10W 6.2K	1	
		SWITCH		
SW3901	VSS0225	SWITCH	1	
		CRYSTAL OSCILLATOR		
X3101	VSX0099	CRYSTAL OSCILLATOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
		MISCELLANEOUS		
	VEJ1125	REAR JACK PLATE	1	
		VEP03857E	LUMINANCE & CHROMINANCE	(NLA) NV-J40EG
			C.B.A.	[SUPPLIED FROM M.B.]
		CAPACITORS		
C301	ECUMLH1032FN	C. CAPACITOR CH 50V 0.01U	1	
C302	ECEA1CK100	E. CAPACITOR 16V 10U	1	
C303	ECUMLH1042FN	C. CAPACITOR CH 50V 0.1U	1	
C304.05	ECEA1CK100	E. CAPACITOR 16V 10U	2	
C306	ECQV1H104J2	P. CAPACITOR 50V 0.1U	1	
C307.08	ECUMLH1032FN	C. CAPACITOR CH 50V 0.01U	2	
C309	ECQV1H334J2	P. CAPACITOR 50V 0.33U	1	
C310	ECEA1HK4R7	E. CAPACITOR 50V 4.7U	1	
C311	ECUMLH220JCN	C. CAPACITOR CH 50V 22P	1	
C312	ECEA1CK100	E. CAPACITOR 16V 10U	1	
C313	ECEA0JK220	E. CAPACITOR 6.3V 22U	1	
C314	ECEA1CK100	E. CAPACITOR 16V 10U	1	
C315	ECEA1EK94R7	E. CAPACITOR 25V 4.7U	1	
C316	ECEA0JK101	E. CAPACITOR 6.3V 100U	1	
C317	ECUMLH1042FN	C. CAPACITOR CH 50V 0.1U	1	
C318	ECEA0JK101	E. CAPACITOR 6.3V 100U	1	
C319	ECUMLH680JCN	C. CAPACITOR CH 50V 68P	1	
C321	ECUMLH1032FN	C. CAPACITOR CH 50V 0.01U	1	
C324	ECUMLH1032FN	C. CAPACITOR CH 50V 0.01U	1	
C325	ECUMLH560JCN	C. CAPACITOR CH 50V 56P	1	
C801	ECUMLH102KBN	C. CAPACITOR CH 50V 1000P	1	
C802	ECUMLH470JCN	C. CAPACITOR CH 50V 47P	1	
C803	ECUMLH270JCN	C. CAPACITOR CH 50V 27P	1	
C804.05	ECEA0JK101	E. CAPACITOR 6.3V 100U	2	
C826	ECUMLH681KBN	C. CAPACITOR CH 50V 680P	1	
C829	ECEA0JK101	E. CAPACITOR 6.3V 100U	1	
C831	ECEA1HK4R7	E. CAPACITOR 50V 4.7U	1	
C832	ECUMLH123KBN	C. CAPACITOR CH 50V 0.012U	1	
C833	ECUMLH1032FN	C. CAPACITOR CH 50V 0.01U	1	
C835	ECUMLH181JCN	C. CAPACITOR CH 50V 180P	1	
C836.37	ECUMLH1042FN	C. CAPACITOR CH 50V 0.1U	2	
C838	ECUMLH1032FN	C. CAPACITOR CH 50V 0.01U	1	
C844	ECUMLH100DCN	C. CAPACITOR CH 50V 10P	1	
C845	ECUMLH1032FN	C. CAPACITOR CH 50V 0.01U	1	
		DIODES		
D301	MA4091	DIODE	1	
D303	1SS254	DIODE	1	
D801	MA723VT	DIODE	1	(VT)
D803	1SS254	DIODE	1	
		DELAY		
DL802	EFD8R124A53T	DELAY	1	
		FILTERS		
FL301	VLFD727	FILTER	1	
FL801	ELB4H060	FILTER	1	
		ICS		
IC301	MSM6965-3RS	IC	1	
IC302	VEFH14D	IC	1	
		RESISTORS		
K301.02	ERJ6GMZ0R00	M. RESISTOR CH 1/10W 0	2	
K312.13	ERJ6GMZ0R00	M. RESISTOR CH 1/10W 0	2	
K801.02	ERJ6GMZ0R00	M. RESISTOR CH 1/10W 0	2	
K804.05	ERJ6GMZ0R00	M. RESISTOR CH 1/10W 0	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
K809	ERJ6GMZOR00	M.RESISTOR CH 1/10W	0	1
		COILS		
L301-04	ELESQ101KA	COIL 100UH	4	
L305	ELESP560KA	COIL 56UH	1	
L309-11	VLF0124		3	#L
L801	ELESP560JA	COIL 56UH	1	
L802	ELESP270KA	COIL 27UH	1	
L803	ELESQ101KA	COIL 100UH	1	
L804	VLQ0188K150	COIL 15UH	1	
L810-12	ELESQ101KA	COIL 100UH	3	
		TRANSISTORS		
Q301	MSC2295	TRANSISTOR	1	
Q803	MSD601	TRANSISTOR	1	
Q805	MSD601	TRANSISTOR	1	
		COMBINATION PARTS		
QR304	MRN1403	TRANSISTOR	1	
QR803	IMH6	TRANSISTOR	1	
		RESISTORS		
R301	ERDS2TJ151	C.RESISTOR 1/4W 150	1	
R302	ERJ6GMJ222	M.RESISTOR CH 1/10W 2.2K	1	
R303	ERJ6GMJ561	M.RESISTOR CH 1/10W 560	1	
R304	ERJ6GMJ102	M.RESISTOR CH 1/10W 1K	1	
R305	ERJ6GMJ333	M.RESISTOR CH 1/10W 33K	1	
R306	ERJ6GMJ473	M.RESISTOR CH 1/10W 47K	1	
R307	ERJ6GMJ272	M.RESISTOR CH 1/10W 2.7K	1	
R310,11	ERJ6GMJ103	M.RESISTOR CH 1/10W 10K	2	
R313	ERJ6GMJ682	M.RESISTOR CH 1/10W 6.8K	1	
R316	ERJ6GMJ182	M.RESISTOR CH 1/10W 1.8K	1	
R321	ERJ6GMJ272	M.RESISTOR CH 1/10W 2.7K	1	
R801	ERJ6GMJ471	M.RESISTOR CH 1/10W 470	1	
R802	ERJ6GMJ821	M.RESISTOR CH 1/10W 820	1	
R803	ERJ6GMJ222	M.RESISTOR CH 1/10W 2.2K	1	
R804	ERJ6GMJ102	M.RESISTOR CH 1/10W 1K	1	
R817	ERJ6GMJ271	M.RESISTOR CH 1/10W 270	1	
R819	ERJ6GMJ122	M.RESISTOR CH 1/10W 1.2K	1	
R832	ERJ6GMJ102	M.RESISTOR CH 1/10W 1K	1	
R833	ERJ6GMJ561	M.RESISTOR CH 1/10W 560	1	
R834	ERJ6GMJ393	M.RESISTOR CH 1/10W 39K	1	
R835	ERJ6GMJ392	M.RESISTOR CH 1/10W 3.9K	1	
R836	ERJ6GMJ102	M.RESISTOR CH 1/10W 1K	1	
R838	ERJ6GMJ393	M.RESISTOR CH 1/10W 39K	1	
R840	ERJ6GMJ681	M.RESISTOR CH 1/10W 680	1	
R841	ERJ6GMJ821	M.RESISTOR CH 1/10W 820	1	
R843-45	ERJ6GMJ102	M.RESISTOR CH 1/10W 1K	3	
R846	ERJ6GMJ391	M.RESISTOR CH 1/10W 390	1	
R849	ERJ6GMZOR00	M.RESISTOR CH 1/10W	0	1
		VARIABLE RESISTOR		
VR301	EVTF6SA00B23	V.RESISTOR 2K	1	
		CRYSTAL OSCILLATOR		
X801	VX0129	CRYSTAL OSCILLATOR	1	
		LUMINANCE & CHROMINANCE		
	VEPO3857F			(NLA) NV-J40B [SUPPLIED FROM M.B.V.]
		CAPACITORS		
C301	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
C302	ECEA1CK100	E.CAPACITOR 16V 10U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C303	ECUM1H1042FN	C.CAPACITOR CH 50V 0.1U	1	
C304,05	ECEA1CK100	E.CAPACITOR 16V 10U	2	
C306	EQQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C307,08	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	2	
C309	EQQV1H334JZ	P.CAPACITOR 50V 0.33U	1	
C310	ECEA1HK4R7	E.CAPACITOR 50V 4.7U	1	
C311	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C312	ECEA1CK100	E.CAPACITOR 16V 10U	1	
C313	ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C314	ECEA1CK100	E.CAPACITOR 16V 10U	1	
C315	ECEA1ERK4R7	E.CAPACITOR 25V 4.7U	1	
C316	ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C317	ECUM1H1042FN	C.CAPACITOR CH 50V 0.1U	1	
C318	ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C319	ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C321	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
C324	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
C325	ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C801	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C802	ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C803	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C804,05	ECEA0JK101	E.CAPACITOR 6.3V 100U	2	
C809,10	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	2	
C811	ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C812,13	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	2	
C814	ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C815	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
C816	ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C817	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
C819	ECEA0JFE221	E.CAPACITOR 6.3V 220U	1	
C820	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
C821	ECUM1H821KBN	C.CAPACITOR CH 50V 820P	1	
C822	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
C823	EQQ81H332JH	P.CAPACITOR 50V 0.27U	1	
C824	ECUM1C1052FN	CAPACITOR	1	
C825	ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	1	
C827	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
C829	ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C830	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
C831	ECEA1HK4R7	E.CAPACITOR 50V 4.7U	1	
C832	ECUM1H123KBN	C.CAPACITOR CH 50V 0.012U	1	
C833,34	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	2	
C835	ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C836,37	ECUM1H1042FN	C.CAPACITOR CH 50V 0.1U	2	
C838-42	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	5	
C843	ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C844	ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C845	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
		DIODES		
D301	MA4091	DIODE	1	
D305	1SS254	DIODE	1	
D801	MA723VT	DIODE	1	(VT)
D803	1SS254	DIODE	1	
		DELAY		
DL802	EFDF124A13A	DELAY	1	
		FILTERS		
FL301	VLF0727	FILTER	1	
FL801	ELB4H060	FILTER	1	
		ICS		
IC301	MSM6965-3RS	IC	1	
IC302	VEFH14D	IC	1	
IC801	M52063SP	IC	1	
IC802	M52065FP	IC	1	
		RESISTORS		
K301,02	ERJ6GMZOR00	M.RESISTOR CH 1/10W	0	2

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
K312.13	ERJ6GMZ0R00	M.RESISTOR CH 1/10W	0	2
K315	ERJ6GMZ0R00	M.RESISTOR CH 1/10W	0	1
K801	ERJ6GMZ0R00	M.RESISTOR CH 1/10W	0	1
K803	ERJ6GMZ0R00	M.RESISTOR CH 1/10W	0	1
K809	ERJ6GMZ0R00	M.RESISTOR CH 1/10W	0	1
K811	ERJ6GMZ0R00	M.RESISTOR CH 1/10W	0	1
		COILS		
L301-04	ELESQ101KA	COIL 100UH	4	
L305	ELESP560KA	COIL 56UH	1	
L801	ELESP560JA	COIL 56UH	1	
L802	ELESP270KA	COIL 27UH	1	
L803	ELESQ101KA	COIL 100UH	1	
L804	VLQ0188K150	COIL 15UH	1	
L807	VLQ0188K150	COIL 15UH	1	
L808	ELESQ101KA	COIL 100UH	1	
L809	VLQ0188K101	COIL	1	
L810-12	ELESQ101KA	COIL 100UH	3	
		TRANSISTORS		
Q301	MSC2295	TRANSISTOR	1	
Q303	MSB709	TRANSISTOR	1	
Q803	MSD601	TRANSISTOR	1	
Q805	MSD601	TRANSISTOR	1	
		COMBINATION PARTS		
QR304	MRN1403	TRANSISTOR	1	
QR801	MRN2404	TRANSISTOR	1	
QR802	MRN1404	TRANSISTOR	1	
		RESISTORS		
R301	ERDS2TJ151	C.RESISTOR 1/4W 150	1	
R302	ERJ6GMJ222	M.RESISTOR CH 1/10W 2.2K	1	
R303	ERJ6GMJ561	M.RESISTOR CH 1/10W 560	1	
R304	ERJ6GMJ102	M.RESISTOR CH 1/10W 1K	1	
R305,06	ERJ6GMJ473	M.RESISTOR CH 1/10W 47K	2	
R307	ERJ6GMJ302	M.RESISTOR CH 1/10W 3K	1	
R310.11	ERJ6GMJ103	M.RESISTOR CH 1/10W 10K	2	
R313	ERJ6GMJ682	M.RESISTOR CH 1/10W 6.8K	1	
R316	ERJ6GMJ182	M.RESISTOR CH 1/10W 1.8K	1	
R317	ERJ6GMJ473	M.RESISTOR CH 1/10W 47K	1	
R319	ERJ6GMJ472	M.RESISTOR CH 1/10W 4.7K	1	
R321	ERJ6GMJ272	M.RESISTOR CH 1/10W 2.7K	1	
R801	ERJ6GMJ471	M.RESISTOR CH 1/10W 470	1	
R802	ERJ6GMJ821	M.RESISTOR CH 1/10W 820	1	
R803	ERJ6GMJ222	M.RESISTOR CH 1/10W 2.2K	1	
R804	ERJ6GMJ102	M.RESISTOR CH 1/10W 1K	1	
R813.14	ERJ6GMJ102	M.RESISTOR CH 1/10W 1K	2	
R815	ERJ6GMJ103	M.RESISTOR CH 1/10W 10K	1	
R816.17	ERJ6GMJ271	M.RESISTOR CH 1/10W 270	2	
R818.19	ERJ6GMJ122	M.RESISTOR CH 1/10W 1.2K	2	
R820.21	ERJ6GMJ681	M.RESISTOR CH 1/10W 680	2	
R822	ERJ6GMJ272	M.RESISTOR CH 1/10W 2.7K	1	
R823	ERJ6GMJ122	M.RESISTOR CH 1/10W 1.2K	1	
R824	ERJ6GMJ152	M.RESISTOR CH 1/10W 1.5K	1	
R825.26	ERJ6GMJ102	M.RESISTOR CH 1/10W 1K	2	
R827	ERJ6GMJ223	M.RESISTOR CH 1/10W 22K	1	
R828	ERJ6GMJ152	M.RESISTOR CH 1/10W 1.5K	1	
R829	ERJ6GMJ183	M.RESISTOR CH 1/10W 18K	1	
R830	ERJ6GMJ333	M.RESISTOR CH 1/10W 33K	1	
R831	ERJ6GMJ223	M.RESISTOR CH 1/10W 22K	1	
R832	ERJ6GMJ102	M.RESISTOR CH 1/10W 1K	1	
R834	ERJ6GMJ393	M.RESISTOR CH 1/10W 39K	1	
R835	ERJ6GMJ392	M.RESISTOR CH 1/10W 3.9K	1	
R836	ERJ6GMJ102	M.RESISTOR CH 1/10W 1K	1	
R838	ERJ6GMJ393	M.RESISTOR CH 1/10W 39K	1	
R840	ERJ6GMJ681	M.RESISTOR CH 1/10W 680	1	
R841	ERJ6GMJ821	M.RESISTOR CH 1/10W 820	1	
R843-45	ERJ6GMJ102	M.RESISTOR CH 1/10W 1K	3	
R846	ERJ6GMJ391	M.RESISTOR CH 1/10W 390	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R849	ERJ6GMZ0R00	M.RESISTOR CH 1/10W	0	1
		VARIABLE RESISTORS		
VR301	EVTF6SA00B23	V.RESISTOR 2K	1	
VR803	EVTF6SA00B14	V.RESISTOR 10K	1	
		CRYSTAL OSCILLATOR		
X801	VSK0129	CRYSTAL OSCILLATOR	1	
	VEP02375A	CYLINDER DRIVE C.B.A.		(NLA) NV-J40B
		CAPACITORS		
C201	ECEA1CK100	E.CAPACITOR 16V 10U	1	
C203	ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C204-06	ECEA1HK0R1	E.CAPACITOR 50V 0.1U	3	
C207	ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C208-10	ECEA1VK04R7	E.CAPACITOR 35V 4.7U	3	
C211	ECQV1H473JZ	P.CAPACITOR 50V 0.047U	1	
C212	ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C213	ECEA1CK100	E.CAPACITOR 16V 10U	1	
		IC		
IC201	NA3814K	IC	1	
		COIL		
L201	ELESE101K	COIL 100UH	1	
		CONNECTORS		
F201	VJS2330	CONNECTOR (FEMALE)	1	
F202	VJP1250T	CONNECTOR (MALE) 10P	1	
		RESISTORS		
R201	ERDS2TJ122	C.RESISTOR 1/4W 1.2K	1	
R202-04	ERDS2TJ150	C.RESISTOR 1/4W 15	3	
R205	ERDS2TJ1R2	C.RESISTOR 1/4W 1.2	1	
R206	ERDS2TJ1R5	C.RESISTOR 1/4W 1.5	1	
	VEP02375B	CYLINDER DRIVE C.B.A.		(NLA) NV-J40EG [SUPPLIED FROM M.B.]
		CAPACITORS		
C201	ECEA1CK100	E.CAPACITOR 16V 10U	1	
C203	ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C204-06	ECEA1HK0R1	E.CAPACITOR 50V 0.1U	3	
C207	ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C208-10	ECEA1VK04R7	E.CAPACITOR 35V 4.7U	3	
C211	ECQV1H473JZ	P.CAPACITOR 50V 0.047U	1	
C212	ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C213	ECEA1CK100	E.CAPACITOR 16V 10U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
		IC		
IC201	NA3814K	IC	1	
		COILS		
L201	ELESE101K	COIL 100UH	1	
L202	VLP0125	COIL	1	
		CONNECTORS		
P201	VJS2330	CONNECTOR (FEMALE)	1	
P202	VJF1250T	CONNECTOR (MALE) 10P	1	
		RESISTORS		
R201	ERDS2TJ122	C.RESISTOR 1/4W 1.2K	1	
R202-04	ERDS2TJ150	C.RESISTOR 1/4W 15	3	
R205	ERDS2TJ1R2	C.RESISTOR 1/4W 1.2	1	
R206	ERDS2TJ1R5	C.RESISTOR 1/4W 1.5	1	
		VEP05167E		(NLA)
		HEAD AMP C.B.A.		
		CAPACITORS		
CS03	ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
CS05	ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
CS08	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
CS09	ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
CS10	ECUM1H1042FN	C.CAPACITOR CH 50V 0.1U	1	
CS11	ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
CS12	ECUM1H080DCN	C.CAPACITOR CH 50V 8P	1	
CS13	ECEA1HK010	E.CAPACITOR 50V 1U	1	
CS14	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
CS16,17	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	2	
CS18	ECEA1HK010	E.CAPACITOR 50V 1U	1	
CS19	ECUM1H1042FN	C.CAPACITOR CH 50V 0.1U	1	
CS20	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
CS21	ECUM1H1042FN	C.CAPACITOR CH 50V 0.1U	1	
CS22	ECEA1HK010	E.CAPACITOR 50V 1U	1	
CS23	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
CS28	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
CS29	ECEA1CK100	E.CAPACITOR 16V 10U	1	
CS30	ECUM1H1042FN	C.CAPACITOR CH 50V 0.1U	1	
CS33	ECUM1H1042FN	C.CAPACITOR CH 50V 0.1U	1	
CS34	ECEA1CK100	E.CAPACITOR 16V 10U	1	
CS36	ERJ6GM20R00	M.RESISTOR CH 1/10W 0	1	
CS37	ECUM1H1042FN	C.CAPACITOR CH 50V 0.1U	1	
CS40	ECEA1CK100	E.CAPACITOR 16V 10U	1	
CS41	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
CS42,43	ECUM1H1042FN	C.CAPACITOR CH 50V 0.1U	2	
		IC		
IC501	BA7274S	IC	1	
		RESISTORS		
K503,04	ERJ6GM20R00	M.RESISTOR CH 1/10W 0	2	
K506	ERJ6GM20R00	M.RESISTOR CH 1/10W 0	1	
		COILS		
L501	ELESP820KA	COIL 82UH	1	
L506	ELESP151KA	COIL 150UH	1	
L508	ELESQ101KA	COIL 100UH	1	
L509	ELESP270KA	COIL 27UH	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L510	ELESQ101KA	COIL 100UH	1	
		CONNECTOR		
P501	VJS1680	CONNECTOR (FEMALE)	1	
		CONNECTOR		
PS002	VJS3069T	CONNECTOR (FEMALE)	1	
		TRANSISTORS		
Q502	MSB709	TRANSISTOR	1 (R)	
Q503	MSC2295	TRANSISTOR	1	
		RESISTORS		
R505	ERJ6GMJ561	M.RESISTOR CH 1/10W 560	1	
R507	ERJ6GMJ222	M.RESISTOR CH 1/10W 2.2K	1	
R509	ERJ6GMJ331	M.RESISTOR CH 1/10W 330	1	
R510	ERJ6GMJ102	M.RESISTOR CH 1/10W 1K	1	
R512	ERJ6GMJ102	M.RESISTOR CH 1/10W 1K	1	
R513	ERJ6GMJ391	M.RESISTOR CH 1/10W 390	1	
R514,15	ERJ6GMJ561	M.RESISTOR CH 1/10W 560	2	
R516	ERJ6GMJ821	M.RESISTOR CH 1/10W 820	1	
R519	ERJ6GMJ103	M.RESISTOR CH 1/10W 10K	1	
R520,21	ERJ6GMJ330	M.RESISTOR CH 1/10W 33	2	
R523	ERJ6GMJ471	M.RESISTOR CH 1/10W 470	1	
R525	ERJ6GMJ821	M.RESISTOR CH 1/10W 820	1	
R526	ERJ6GMJ100	M.RESISTOR CH 1/10W 10	1	
R529	ERJ6GMJ100	M.RESISTOR CH 1/10W 10	1	
R530	ERJ6GMJ821	M.RESISTOR CH 1/10W 820	1	
R532	ERJ6GM20R00	M.RESISTOR CH 1/10W 0	1	
R533	ERJ6GMJ100	M.RESISTOR CH 1/10W 10	1	
R534	ERJ6GM20R00	M.RESISTOR CH 1/10W 0	1	
R536	ERJ6GMJ561	M.RESISTOR CH 1/10W 560	1	
R537	ERJ6GM20R00	M.RESISTOR CH 1/10W 0	1	
R598	ERJ6GMJ101	M.RESISTOR CH 1/10W 100	1	
		VARIABLE RESISTORS		
VR501	EVND6AA00B23	V.RESISTOR 2K	1	
VR502	EVND6AA00B13	V.RESISTOR 1K	1	
		MISCELLANEOUS		
	VSC2355	SHIELD CASE (BOTTOM)	1	
	VSC3303	SHIELD CASE (TOP)	1	
	VSC3304	SHIELD CASE (MAIN)	1	
		VEP07538E		(NLA) NV-J40EG
		VPS C.B.A.		
		CAPACITORS		
C7801	EQB1H102J	E.CAPACITOR 50V 1000P	1	
C7802	EQB1H471JZ	F.CAPACITOR 50V 470P	1	
C7803	EQB1H472JH	F.CAPACITOR 50V 4700P	1	
C7804	EQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C7805	EQB1H472JH	F.CAPACITOR 50V 4700P	1	
C7806	EQB1H223JH	P.CAPACITOR 50V 0.022U	1	
C7815	VCYE1C104MR1	S.CAPACITOR 16V 0.1U	1	
C7816	ECEA0JK4331	E.CAPACITOR 6.3V 330U	1	
C7851	EQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C7852	ECEA1CK101	E.CAPACITOR 16V 100U	1	
C7853,54	ECCFLH330JC	C.CAPACITOR 50V 33P	2	
C7855,56	ECEA1HK010	E.CAPACITOR 50V 1U	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C7860	ECEAOJK101	E. CAPACITOR 6.3V 100U	1	
		DIODE		
D7851	1SS254	DIODE	1	
		ICS		
IC7801	SAA4700	IC	1	
IC7851	MN158413VSSY	IC	1	
IC7852	MN1280S	IC	1 (S)	
		CONNECTOR		
FS1	VJS3043F010W	CONNECTOR	1	
		COMBINATION PARTS		
QR7851	UN6211-T	TRANSISTOR-RESISTOR	1	
QR7852	UN6213	TRANSISTOR-RESISTOR	1	
		RESISTORS		
R7801	ERDS2TJ472	C. RESISTOR 1/4W 4.7K	1	
R7802	EROS2CKG7502	M. RESISTOR 1/4W 75K	1	
R7803.04	ERDS2TJ103	C. RESISTOR 1/4W 10K	2	
R7805	ERDS2TJ473	C. RESISTOR 1/4W 47K	1	
R7806	EROS2CKG8201	M. RESISTOR 1/4W 8.2K	1	
R7851	ERDS2TJ103	C. RESISTOR 1/4W 10K	1	
R7852	ERDS2TJ332	C. RESISTOR 1/4W 3.3K	1	
R7860	ERDS2TJ471	C. RESISTOR 1/4W 470	1	
		CRYSTAL OSCILLATOR		
X7851	EFOA4ROMD3CZ	CRYSTAL OSCILLATOR	1	
		TIMER C.B.A.		(NLA) NV-J40B [SUPPLIED FROM M.B.V.]
	VEPO7637C			
		CAPACITORS		
C6701	ECUMLE333KBN	C. CAPACITOR CH 25V 0.033U	1	
C6702	ECUMLH1042FN	C. CAPACITOR CH 50V 0.1U	1	
C6703	ECEAOJK470	E. CAPACITOR 6.3V 47U	1	
C7501	ECRBA030E41	TRIMMER 3P	1	
C7502	ECUMLH080DCN	C. CAPACITOR CH 50V 8P	1	
C7503	ECUMLH330JCN	C. CAPACITOR CH 50V 33P	1	
C7504	ECUMLH220JCN	C. CAPACITOR CH 50V 22P	1	
C7506	ECUMLH1042FN	C. CAPACITOR CH 50V 0.1U	1	
C7507	ECEA1HKS22	E. CAPACITOR 50V 0.22U	1	
C7510	ECEAOJKS470	E. CAPACITOR 6.3V 47U	1	
C7511	ECEA1CKS100	E. CAPACITOR 16V 10U	1	
C7512	ECUMLH1042FN	C. CAPACITOR CH 50V 0.1U	1	
C7513	ECUMLH221JCN	C. CAPACITOR CH 50V 220P	1	
C7520-24	ECUMLH1032FN	C. CAPACITOR CH 50V 0.01U	5	
C7525	ECUMLH821KBN	C. CAPACITOR CH 50V 820P	1	
C7526	ECEAOJKS470	E. CAPACITOR 6.3V 47U	1	
		DIODES		
D6701	PN323B	DIODE	1	
D7501	MA4220H	DIODE	1	
D7502	MA221	DIODE	1	
D7508	MA221	DIODE	1	
D7510	MA221	DIODE	1	
D7518	MA221	DIODE	1	
D7521, 22	MA221	DIODE	2	
D7524	MA221	DIODE	1	
D7539.40	MA221	DIODE	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
D7544-47	MA221	DIODE	4	
D7553	LN38GCPLV	DIODE	1	
		DISPLAY TUBE		
DP7501	VSL0239	DISPLAY TUBE	1	
		ICS		
IC6701	UPC2800GR	IC	1	
IC7501	MN187164VSTX	IC	1	
IC7502	M6M80021P	IC	1	
IC7503	MN1280L	IC	1	
IC7504	MN1280S	IC	1 (S)	
IC7505	M66006FP	IC	1	
		RESISTORS		
K3.K4	ERJ6GM20R00	M. RESISTOR CH 1/10W	0 2	
K7	ERJ6GM20R00	M. RESISTOR CH 1/10W	0 1	
KL9.20	ERJ6GM20R00	M. RESISTOR CH 1/10W	0 2	
K36	ERJ6GM20R00	M. RESISTOR CH 1/10W	0 1	
		COIL		
L7501	ELESE151KA	COIL 150UH	1	
		CONNECTORS		
F7501	VJS1686	CONNECTOR (FEMALE)	1	
F7502	VJS1690	CONNECTOR (FEMALE)	1	
		CONNECTOR		
FP7503	VJP3084A005	CONNECTOR (MALE)	1	
		TRANSISTOR		
QR7501	MRN1404	TRANSISTOR	1	
		RESISTORS		
R6701	ERJ6ENFL363	M. RESISTOR	1	
R7501	ERJ6GMYJ122	M. RESISTOR CH 1/10W 1.2K	1	
R7502	ERJ6GMYJ224	M. RESISTOR CH 1/10W 220K	1	
R7503	ERJ6GMYJ221	M. RESISTOR CH 1/10W 220	1	
R7504	ERJ6GMYJ101	M. RESISTOR CH 1/10W 100	1	
R7505	ERJ6GMYJ104	M. RESISTOR CH 1/10W 100K	1	
R7508-10	ERJ6GMYJ103	M. RESISTOR CH 1/10W 10K	3	
R7511.12	ERJ6GMYJ332	M. RESISTOR CH 1/10W 3.3K	2	
R7515	ERJ6GMYJ332	M. RESISTOR CH 1/10W 3.3K	1	
R7518.19	ERJ6GMYJ221	M. RESISTOR CH 1/10W 220	2	
R7520	ERJ6GMYJ102	M. RESISTOR CH 1/10W 1K	1	
R7523-26	ERJ6GMYJ332	M. RESISTOR CH 1/10W 3.3K	4	
R7528	ERJ6GMYJ332	M. RESISTOR CH 1/10W 3.3K	1	
R7534	ERJ6GMYJ332	M. RESISTOR CH 1/10W 3.3K	1	
R7560	ERJ6GMYJ181	M. RESISTOR CH 1/10W 180	1	
R7568	ERJ6GMYJ102	M. RESISTOR CH 1/10W 1K	1	
R7570	ERJ6GMYJ332	M. RESISTOR CH 1/10W 3.3K	1	
R7572	ERJ6GMYJ473	M. RESISTOR CH 1/10W 47K	1	
R7573	ERJ6GMYJ332	M. RESISTOR CH 1/10W 3.3K	1	
R7575-78	ERJ6GMYJ332	M. RESISTOR CH 1/10W 3.3K	4	
R7580	ERJ6GMYJ683	M. RESISTOR CH 1/10W 68K	1	
R7581.82	ERJ6GMYK2R2	M. RESISTOR CH 1/10W 2.2	2	
R7586	ERJ6GMYJ332	M. RESISTOR CH 1/10W 3.3K	1	
R7587.88	ERJ6GMYJ102	M. RESISTOR CH 1/10W 1K	2	
		SWITCHES		
SW7501	ESD170306	SWITCH	1	
SW7504-08	EVQ11407K	SWITCH	5	
SW7511	EVQ11407K	SWITCH	1	
SW7513	EVQ11407K	SWITCH	1	
SW7515	EVQ11407K	SWITCH	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
SW7517-23	EVQ11407K	SWITCH	7		IC7501	MN187164VSTX	IC	1	
SW7525,26	EVQ11407K	SWITCH	2		IC7502	M6M80021P	IC	1	
SW7532,33	EVQ11407K	SWITCH	2		IC7503	MN1280L	IC	1	
					IC7504	MN1280S	IC	1 (S)	
					IC7505	M66006FP	IC	1	
		VARIABLE RESISTORS							
VR7501	EVUJ16E04B24	V. RESISTOR 20K	1				RESISTORS		
		CRYSTAL OSCILLATORS			K5, K6	ERJ6GMZ0R00	M. RESISTOR CH 1/10W	0 2	
X7501	VSX0140	CRYSTAL OSCILLATOR	1		K8	ERJ6GMZ0R00	M. RESISTOR CH 1/10W	0 1	
X7502	VSX0094C	CRYSTAL OSCILLATOR	1		K10	ERJ6GMZ0R00	M. RESISTOR CH 1/10W	0 1	
		MISCELLANEOUS			K19,20	ERJ6GMZ0R00	M. RESISTOR CH 1/10W	0 2	
	VJF0934	FIP HOLDER	1		K22	ERJ6GMZ0R00	M. RESISTOR CH 1/10W	0 1	
	VJF0935	LED HOLDER	1		K25	ERJ6GMZ0R00	M. RESISTOR CH 1/10W	0 1	
	UGU5531	SW KNOB	1		K31-33	ERJ6GMZ0R00	M. RESISTOR CH 1/10W	0 3	
	VSC3230	SHIELD CASE (TOP)	1	(FOR IR RECIVER UNIT)	K36	ERJ6GMZ0R00	M. RESISTOR CH 1/10W	0 1	
	VSC3231	SHIELD CASE (BOTTOM)	1	(FOR IR RECIVER UNIT)			COILS		
					L7501	ELESE151KA	COIL 150UH	1	
							CONNECTORS		
					P7501	VJS1686	CONNECTOR (FEMALE)	1	
					P7502	VJS1690	CONNECTOR (FEMALE)	1	
							CONNECTOR		
					PP7503	VJP3084A005	CONNECTOR (MALE)	1	
							TRANSISTORS		
					QR7501	MRN1404	TRANSISTOR	1	
					QR7502	MRN2404	TRANSISTOR	1	
					QR7503	UN2216	TRANSISTOR	1	
							RESISTORS		
		CAPACITORS			R6701	ERJ6ENF1363	M. RESISTOR	1	
C6701	ECUMLE333KBN	C. CAPACITOR CH 25V 0.033U	1		R7501	ERJ6GMJ122	M. RESISTOR CH 1/10W 1.2K	1	
C6702	ECUMLH1042FN	C. CAPACITOR CH 50V 0.1U	1		R7502	ERJ6GMJ224	M. RESISTOR CH 1/10W 220K	1	
C6703	ECEAOJKA470	E. CAPACITOR 6.3V 47U	1		R7503	ERJ6GMJ221	M. RESISTOR CH 1/10W 220	1	
C7501	ECRHA030E41	TRIMMER 3P	1		R7504	ERJ6GMJ101	M. RESISTOR CH 1/10W 100	1	
C7502	ECUMLH80DCN	C. CAPACITOR CH 50V 8P	1		R7505	ERJ6GMJ104	M. RESISTOR CH 1/10W 100K	1	
C7503	ECUMLH330JCN	C. CAPACITOR CH 50V 33P	1		R7506-10	ERJ6GMJ103	M. RESISTOR CH 1/10W 10K	3	
C7504	ECUMLH220JCN	C. CAPACITOR CH 50V 22P	1		R7511,12	ERJ6GMJ332	M. RESISTOR CH 1/10W 3.3K	2	
C7506	ECUMLH1042FN	C. CAPACITOR CH 50V 0.1U	1		R7515	ERJ6GMJ332	M. RESISTOR CH 1/10W 3.3K	1	
C7507	ECEALHKS22	E. CAPACITOR 50V 0.22U	1		R7518,19	ERJ6GMJ221	M. RESISTOR CH 1/10W 220	2	
C7510	ECEAOJKA470	E. CAPACITOR 6.3V 47U	1		R7520	ERJ6GMJ102	M. RESISTOR CH 1/10W 1K	1	
C7511	ECEALCKS100	E. CAPACITOR 16V 100U	1		R7523-26	ERJ6GMJ332	M. RESISTOR CH 1/10W 3.3K	4	
C7512	ECUMLH1042FN	C. CAPACITOR CH 50V 0.1U	1		R7528	ERJ6GMJ332	M. RESISTOR CH 1/10W 3.3K	1	
C7513	ECUMLH560JCN	C. CAPACITOR CH 50V 56P	1		R7534	ERJ6GMJ332	M. RESISTOR CH 1/10W 3.3K	1	
C7520-24	ECUMLH1032FN	C. CAPACITOR CH 50V 0.01U	5		R7549	ERJ6GMJ332	M. RESISTOR CH 1/10W 3.3K	1	
C7525	ECUMLH821KBN	C. CAPACITOR CH 50V 820P	1		R7560	ERJ6GMJ181	M. RESISTOR CH 1/10W 180	1	
C7526	ECEAOJKA470	E. CAPACITOR 6.3V 47U	1		R7564	ERJ6GMJ181	M. RESISTOR CH 1/10W 180	1	
					R7568	ERJ6GMJ102	M. RESISTOR CH 1/10W 1K	1	
					R7570	ERJ6GMJ332	M. RESISTOR CH 1/10W 3.3K	1	
		DIODES			R7572	ERJ6GMJ473	M. RESISTOR CH 1/10W 47K	1	
D6701	FN323B	DIODE	1		R7573	ERJ6GMJ332	M. RESISTOR CH 1/10W 3.3K	1	
D7501	MA422OH	DIODE	1		R7575-78	ERJ6GMJ332	M. RESISTOR CH 1/10W 3.3K	4	
D7504	MA221	DIODE	1		R7580	ERJ6GMJ683	M. RESISTOR CH 1/10W 68K	1	
D7508	MA221	DIODE	1		R7581,82	ERJ6GMK2R2	M. RESISTOR CH 1/10W 2.2	2	
D7510	MA221	DIODE	1		R7586	ERJ6GMJ332	M. RESISTOR CH 1/10W 3.3K	1	
D7518	MA221	DIODE	1		R7587,88	ERJ6GMJ102	M. RESISTOR CH 1/10W 1K	2	
D7521,22	MA221	DIODE	2				SWITCHES		
D7525	MA221	DIODE	1		SW7501	ESD170306	SWITCH	1	
D7528	MA221	DIODE	1		SW7504-08	EVQ11407K	SWITCH	5	
D7539,40	MA221	DIODE	2		SW7511	EVQ11407K	SWITCH	1	
D7544-47	MA221	DIODE	4		SW7513	EVQ11407K	SWITCH	1	
D7553	LN38GCPLV	DIODE	1		SW7515-26	EVQ11407K	SWITCH	12	
D7555	LN38GCPLV	DIODE	1		SW7532,33	EVQ11407K	SWITCH	2	
							DISPLAY TUBES		
		DISPLAY TUBES			DP7501	VSL0239	DISPLAY TUBE	1	
		ICS					ICS		
IC6701	UPC2800GR	IC	1						

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
		VARIABLE RESISTORS		
VR7501	EVUJ16E04B24	V.RESISTOR 20K	1	
		CRYSTAL OSCILLATORS		
X7501	V SX0140	CRYSTAL OSCILLATOR	1	
X7502	V SX0094C	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VJF0934	FIP HOLDER	1	
	VJF0935	LED HOLDER	1	
	VGU5531	SW KNOB	1	
	VSC3230	SHIELD CASE (TOP)	1	(FOR IR RECEIVER UNIT)
	VSC3231	SHIELD CASE (BOTTOM)	1	(FOR IR RECEIVER UNIT)
	VEFO0R31A	OPERATION C.B.A.		(NLA)
		DIODE		
D4351	LN28RPX2TA12	DIODE	1	
		CONNECTOR		
PP4352	VJP3084A005	CONNECTOR (MALE)	1	
		RESISTORS		
R4354	ERJ6GMYJ181	M.RESISTOR CH 1/10W 180	1	
		SWITCH		
SW4351	EVQ11407K	SWITCH	1	
		MISCELLANEOUS		
	VND2030	LED SPACER	1	
	VEFO7643A	TV DEMODULATOR C.B.A.		(NLA) NV-J40EG
		CAPACITORS		
C701	ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C702	ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C703	ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C707	ECEA1HK0R1	E.CAPACITOR 50V 0.1U	1	
C708	ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C710	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C717-20	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C721	ECEA1HKR27K	E.CAPACITOR 50V 0.27U	1	
C722	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C723	ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C725	ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C727	ECUM1H080DCN	C.CAPACITOR CH 50V 80P	1	
C728	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C730	ECEA1CK100	E.CAPACITOR 16V 10U	1	
C731	ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C732	ECQV1H224B0	E.CAPACITOR 50V 220P	1	
C734	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C735	ECUM1H070DCN	C.CAPACITOR CH 50V 7P	1	
C736	ECQB1H103JH	P.CAPACITOR 50V 0.01U	1	
C737	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C739	ECEA1HK010	E.CAPACITOR 50V 1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C740	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C741	ECEA1CK100	E.CAPACITOR 16V 10U	1	
C742	ECUM1H030CCN	C.CAPACITOR CH 50V 3P	1	
C743	ECUM1H270RSN	C.CAPACITOR CH 50V 27P	1	
C744	ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C745	ECUM1H680JFN	C.CAPACITOR CH 50V 68P	1	
C746	ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C748	ECEA1CK470	E.CAPACITOR 16V 47U	1	
C749	ECEA1CK100	E.CAPACITOR 16V 10U	1	
C760	ECQV1H473JZ	P.CAPACITOR 50V 0.047U	1	
C781	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C782	ECUM1H060DCN	C.CAPACITOR CH 50V 6P	1	
C790	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C797,98	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C7651	ECEA1CKV100	E.CAPACITOR 16V 10U	1	
C7653	ECQB1H332JH	P.CAPACITOR 50V 0.27U	1	
C7668	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7685	ECEA1HK010	E.CAPACITOR 50V 1U	1	
		DIODES		
D710	MA3100L	DIODE	1	
D771	MA1514K	DIODE	1	
D772	MA165VT	DIODE	1	(VT)
D7672,73	MA3150H	DIODE	2	
		ICS		
IC701	M51366SP	IC	1	
		COILS		
L701	ELESQ680KA	COIL 68UH	1	
L711	ELQTR22KB	COIL 0.22UH	1	
L714	VLQO305J1R2	COIL 1.2UH	1	
L715	VLQO213K680	COIL 68UH	1	
L716	ELESF560KA	COIL 56UH	1	
L717,18	ELESQ680KA	COIL 68UH	2	
L719	ELESF120KA	COIL 12UH	1	
L781	ELESQ680KA	COIL 68UH	1	
		CONNECTORS		
PS701-03	VJS3043B005W	CONNECTOR (FEMALE)	3	
PS704	VJS3043B006W	CONNECTOR (FEMALE)	1	
		TRANSISTORS		
Q703	2SD601-S	TRANSISTOR	1	(S,T)
Q712	2SD1992	TRANSISTOR	1	
Q713	2SD1328-S	TRANSISTOR	1	
Q771	2SD601-S	TRANSISTOR CHIP	1	(S,T)
		TRANSISTORS		
QR701,02	MRN1404	TRANSISTOR	2	
QR711,12	MRN1403	TRANSISTOR	2	
QR714	MRN1402	TRANSISTOR	1	
		RESISTORS		
R716	ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R717	ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R718	ERJ6GEYJ754	M.RESISTOR CH 1/10W 750K	1	
R719,20	ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	2	
R721	ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R722	ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R723	ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R724	ERDS2TJ101	C.RESISTOR 1/4W 100	1	
R725	ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R726	ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R727	ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R728	ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R729,30	ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R737	ERJ6GEYJ274	M.RESISTOR CH 1/10W 270K	1		C734	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
R738	ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1		C735	ECUM1H070DCN	C.CAPACITOR CH 50V 7P	1	
R739	ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1		C736	EQQB1H103JH	P.CAPACITOR 50V 0.01U	1	
R740	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1		C737	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
R741	ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1		C739	ECEA1HK010	E.CAPACITOR 50V 1U	1	
R743	ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1		C740	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
R744	ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1		C741	ECEA1CK100	E.CAPACITOR 16V 10U	1	
R745	ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1		C742	ECUM1H030CCN	C.CAPACITOR CH 50V 3P	1	
R746	ERDS2TJ181	C.RESISTOR 1/4W 180	1		C743	ECUM1HZ70JSN	C.CAPACITOR CH 50V 27P	1	
R747	ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1		C744	ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
R750	ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1		C745	ECUM1HG80JFN	C.CAPACITOR CH 50V 68P	1	
R757	ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1		C746	ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
R759	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1		C748	ECEA1CK330	E.CAPACITOR 16V 33U	1	
R763	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1		C749	ECEA1CK100	E.CAPACITOR 16V 10U	1	
R764	ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1		C760	EQQV1H563JZ	P.CAPACITOR 50V 0.056U	1	
R772	ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1		C782	ECUM1H060DCN	C.CAPACITOR CH 50V 6P	1	
R773	ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1		C7651	ECEA1CKN100	E.CAPACITOR 16V 10U	1	
R774	ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1		C7653	EQQB1H392JH	P.CAPACITOR 50V 3900P	1	
R781	ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1		C7654	EQQB1H103JH	P.CAPACITOR 50V 0.01U	1	
R782	ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1		C7655,56	ECEA1HK010	E.CAPACITOR 50V 1U	2	
R792	ERDS2TJ120	C.RESISTOR 1/4W 12	1		C7657	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
R795	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1		C7658	EQQV1H562JZ	P.CAPACITOR 50V 5600P	1	
R7656	ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1		C7659	EQQB1HZ72JH	P.CAPACITOR 50V 2700P	1	
R7676	ERGLSJ152	M.RESISTOR 1W 1.5K	1		C7661	EQQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
					C7662	EQQV1H683JZ	P.CAPACITOR 50V 0.068U	1	
					C7663	EQQV1H823JZ	P.CAPACITOR 50V 0.082U	1	
		TRANSFORMERS			C7664	EQQB1H273JH	P.CAPACITOR 50V 0.027U	1	
T703	EIV5ECO13A	TRANSFORMER	1		C7665,66	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	2	
T704	EIV5ECO06A1	TRANSFORMER	1		C7667	ECEA1HKA100	E.CAPACITOR 50V 10U	1	
T711	EIS5ECO04A	TRANSFORMER	1		C7675	ECEA1HK010	E.CAPACITOR 50V 1U	1	
					C7676,77	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	2	
		VARIABLE RESISTORS			C7678	ECEA1CK100	E.CAPACITOR 16V 10U	1	
VR701,02	EVTF6SA00B23	V.RESISTOR 2K	2		C7680	ECEA1HK010	E.CAPACITOR 50V 1U	1	
VR741	EVNDXAA00B14	V.RESISTOR 10K	1		C7681,82	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	2	
VR751	EVNDXAA00B53	V.RESISTOR 5K	1						
		CRYSTAL OSCILLATORS							
X710	EPCH38MP1	CRYSTAL OSCILLATOR	1				DIODES		
X711	VLFO638	CRYSTAL OSCILLATOR	1		D710	MA3100L	DIODE	1	
X712	EPCSSR5M55	FILTER	1		D771	MA151MK	DIODE	1	
X716,17	EPCA40R40M1	FILTER	2		D772	1SS254	DIODE	1	
					D773	MA151K	DIODE	1	
					D7601	MA151A	DIODE	1	
					D7602	MA3082M	DIODE	1	
		MISCELLANEOUS					ICS		
ENV57851H6	TUNER	1			IC701	M51366SP	IC	1	
VSC3242	SHIELD CASE (MAIN)	1			IC7651	AN5421	IC	1	
VSC3241	SHIELD CASE (TOP)	1			IC7652	AN5043	IC	1	
VSC2714	SHIELD CASE (BOTTOM)	1			IC7653	MN4066BS	IC	1	
WMC0727	EARTH SPRING	1							
							COILS		
					L701	ELESQ680KA	COIL 68UH	1	
■ VEPO7645A	TV DEMODULATOR C.B.A.	(NLA) NV-J40B			L713,14	VLQ0305J1R2	COIL 1.2UH	2	
		[SUPPLIED FROM M.B.V.]			L717,18	ELESQ680KA	COIL 68UH	2	
					L719	ELESQ150KA	COIL 15UH	1	
					L720	ELESQ680KA	COIL 68UH	1	
		CAPACITORS							
C701	ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1				CONNECTORS		
C702	ECEA1CK100	E.CAPACITOR 16V 10U	1		PS701-03	VJS3043B005W	CONNECTOR (FEMALE)	3	
C703	ECEA1HKZR2	E.CAPACITOR 50V 2.2U	1		PS704	VJS3043B006W	CONNECTOR (FEMALE)	1	
C706	ECUM1H1042FN	C.CAPACITOR CH 50V 0.1U	1						
C708	ECEA1CK100	E.CAPACITOR 16V 10U	1				TRANSISTORS		
C710	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1		Q703	2SD601-S	TRANSISTOR	1 (S,T)	
C717-20	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	4		Q712	2SD1992	TRANSISTOR	1	
C721	ECEA1HKR27K	E.CAPACITOR 50V 0.27U	1		Q713	2SD1328-S	TRANSISTOR	1	
C722	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1		Q771	2SD601-S	TRANSISTOR	1 (S,T)	
C725	EQQV1H104JZ	P.CAPACITOR 50V 0.1U	1		Q772	2SD601-S	TRANSISTOR CHIP	1 (S,T)	
C728	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1						
C730	ECEA1CK100	E.CAPACITOR 16V 10U	1				COMBINATION PARTS		
C731	ECEA1CKS100	E.CAPACITOR 16V 10U	1		QR701,02	UN2213	TRANSISTOR-RESISTOR	2	
C732	EQQV1HZ24B0	E.CAPACITOR 50V 220P	1						

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
QR713	UN2211	TRANSISTOR-RESISTOR	1	
QR7601	MRN1404	TRANSISTOR	1	
		RESISTORS		
R716	ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R717	ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R718	ERJ6GEYJ754	M.RESISTOR CH 1/10W 750K	1	
R719	ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R720	ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R721	ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R723	ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R724	ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R725	ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R726	ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R727	ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R728	ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R729, 30	ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	2	
R737	ERJ6GEYJ274	M.RESISTOR CH 1/10W 270K	1	
R738	ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R739	ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R740	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R743	ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R744	ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R745	ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R746	ERDS2TJ181	C.RESISTOR 1/4W 180	1	
R747	ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R750	ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R751	ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R756	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R757, 58	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R763	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R764	ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R772	ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R773	ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R774	ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R792	ERDS2TJ120	C.RESISTOR 1/4W 12	1	
R795	ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R7651	ERDS2TJ332	C.RESISTOR 1/4W 3.3K	1	
R7654	ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R7655	ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R7656	ERJ6GEYJ151	M.RESISTOR CH 1/10W 150	1	
R7657	ERJ6GEYJ104V	M.RESISTOR CH 1/10W 100K	1	
R7658	ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R7659	ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R7661	ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R7662	ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R7663	ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R7664	ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7671, 72	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R7673	ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R7674	ERJ6GEYJ124	M.RESISTOR CH 1/10W 120K	1	
R7675	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R7676	ERJ6GEYJ152	M.RESISTOR 1W 1.5K	1	
R7677	ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R7678	ERJ6GEYJ223	C.RESISTOR 1/4W 22K	1	
R7679	ERDS2TJ100	C.RESISTOR 1/4W 10	1	
R7680	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R7681, 82	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R7683	ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R7684	ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R7691	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R7692	ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R7694	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R7695	ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R7696	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
		TRANSFORMERS		
T703	EIV5ECO05A	TRANSFORMER	1	
T704	EIV5ECO07A	TRANSFORMER	1	
T711	EIS5ECO08A	TRANSFORMER	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
		VARIABLE RESISTORS		
VR701	EVNDXA00B23	V.RESISTOR 2K	1	
VR751	EVNDXA00B53	V.RESISTOR 5K	1	
VR7660	EVMLGA00B23	V.RESISTOR 2K	1	
		CRYSTAL OSCILLATORS		
X710	EFCH39MCP1	CRYSTAL OSCILLATOR	1	
X711	EFCS6R0M45	CRYSTAL OSCILLATOR	1	
X712	EFCS6R0M55	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	ENV87837H3C	TUNER	1	(OR ENV87837H3B)
	VSC3242	SHIELD CASE (MAIN)	1	
	VSC3241	SHIELD CASE (TOP)	1	
	VSC2714	SHIELD CASE (BOTTOM)	1	
	VMC0727	EARTH SPRING	1	
	VEP01469C	POWER C.B.A.		(NLA) <1> NV-J40EG
		CAPACITORS		
CI101	VCC0021	C.CAPACITOR V	1	
CI106	VCC0021	C.CAPACITOR V	1	
CI107	EQQU2A154MNB	P.CAPACITOR 100V 0.15U	1	
CI108	EQQU2A104MNB	P.CAPACITOR 100V 0.01U	1	
CI109	ECES2W680B	CAPACITOR V	1	
CI110	ECEA2GG010	E.CAPACITOR 400V 1U	1	
CI111	EQCB1H682JF	E.CAPACITOR 50V 6800P	1	
CI114	VCC0022	C.CAPACITOR 1000P	1	
CI115	EQCE6473B	F.CAPACITOR	1	
CI116	VCK0106K331	C.CAPACITOR 330P	1	
CI117	ECA1CKLV470	CAPACITOR	1	
CI118	EQCB1H223JF	E.CAPACITOR 50V 0.022U	1	
CI119	EQCB1H123JF	E.CAPACITOR 50V 0.012U	1	
CI120	ECEALHNDL00	E.CAPACITOR 50V 10U	1	
CI121	EQCB1H103JF	P.CAPACITOR 50V 0.01U	1	
CI122	EQQV1H105JF	P.CAPACITOR 50V 1U	1	
CI123	EQQP1101J2	P.CAPACITOR 100V 100P	1	
CI124	ECEALJFE470	CAPACITOR	1	
CI125	ECEALDF2681	E.CAPACITOR 20V 680U	1	
CI126	ECEALHGE100	E.CAPACITOR 50V 10U	1	
CI127	ECEALAF2331	E.CAPACITOR 10V 330U	1	
CI128	ECKF1H1032F	C.CAPACITOR 50V 0.01U	1	
CI129	ECEALHGE100	E.CAPACITOR 50V 10U	1	
CI130	ECEALDF2681	E.CAPACITOR 20V 680U	1	
CI131	ECEAOJEE331	E.CAPACITOR 6.3V 330U	1	
CI132-35	ECKF1H1032F	C.CAPACITOR 50V 0.01U	4	
CI136, 37	ECEALAGE101	E.CAPACITOR 10V 100U	2	
CI138	ECEALCGE470	E.CAPACITOR 16V 47U	1	
CI139	ECKF1H1032F	C.CAPACITOR 50V 0.01U	1	
CI140	ECEALCGE100	E.CAPACITOR 16V 10U	1	
CI151	ECCF1H680JC	C.CAPACITOR 50V 68P	1	
CI153	ECKF1H1022F	C.CAPACITOR 50V 1000P	1	
CI154	EQQV1H104J2	P.CAPACITOR 50V 0.1U	1	
CI155	ECCD2H101J	C.CAPACITOR 500V 100P	1	
		DIODES		
D1101	S1WBA60S	DIODE	1	
D1102	1SS254	DIODE	1	
D1103	VSD0002	DIODE	1	
D1104	AP01C	DIODE	1	
D1105	MA4030L	DIODE	1	
D1106-08	MA178	DIODE	3	
D1109	ERA22-02	DIODE	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6812	ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1		R6808	ERJ6GEYJ824	M.RESISTOR CH 1/10W 820K	1	
R6813	ERJ6GEYJ6R8	M.RESISTOR CH 1/10W 6.8	1		R6810	ERJ6GEYJ184	M.RESISTOR CH 1/10W 180K	1	
R6814.15	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2		R6812	ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R6816	ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1		R6813	ERJ6GEYJ6R8	M.RESISTOR CH 1/10W 6.8	1	
R6817	ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1		R6814.15	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
		SENSOR			R6816	ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
SN6801	VSQ0567	SENSOR	1		R6817	ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
		VARIABLE RESISTOR					SENSOR		
VR6801	EVNDXAA00B24	V.RESISTOR 20K	1		SN6801	VSQ0567	SENSOR	1	
		CRYSTAL OSCILLATORS					VARIABLE RESISTOR		
X6801	EFOGC3524A4	CRYSTAL OSCILLATOR	1		VR6801	EVNDXAA00B24	V.RESISTOR 20K	1	
X6802	VSQ0765	CRYSTAL OSCILLATOR	1				CRYSTAL OSCILLATORS		
		REMOTE CONTROLLER C.B.A.		(NLA) NV-J40EG	X6801	EFOGC3524A4	CRYSTAL OSCILLATOR	1	
	VEP66178L				X6802	VSQ0765	CRYSTAL OSCILLATOR	1	
		CAPACITORS							
C6801	ECEA0GKS470	E.CAPACITOR 4V 47U	1						
C6802	ECUM1E1042FN	C.CAPACITOR CH 25V 0.1U	1						
C6803	ECEA1CSN4R7	E.CAPACITOR 16V 4.7U	1						
C6804	ECEA1HKS010	E.CAPACITOR 50V 1U	1						
C6808.09	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	2						
C6810	ECUM1E1042FN	C.CAPACITOR CH 25V 0.1U	1						
C6811	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1						
C6812	ECUM1E1542FM	C.CAPACITOR CH 25V 0.15U	1						
		DIODES							
D6801	SE303ACYTF	DIODE	1						
D6803-11	MA221	DIODE	9						
D6818	MA221	DIODE	1						
D6820	MA221	DIODE	1						
		ICS							
IC6801	MN158655VSTC	IC	1						
IC6802	AN8356S	IC	1						
		RESISTOR							
J6801	ERJ6GEYOR00	M.RESISTOR CH 1/10W 0	1						
		COIL							
L6801	ELT3K017B	COIL	1						
		TRANSISTORS							
Q6801	2SD1328-R	TRANSISTOR CHIP	1 (R.S)						
Q6802	MSB709	TRANSISTOR	1 (R)						
Q6803	MSD601	TRANSISTOR	1 (R)						
		COMBINATION PARTS							
QR6803	DTC144TK	TRANSISTOR-RESISTOR	1						
		RESISTORS							
R6802.03	ERJ6GEYJ474	M.RESISTOR CH 1/10W 470K	2						
R6804	ERJ6GEYJ394	M.RESISTOR CH1/10W 390K	1						
R6805	ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1						
R6806	ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1						
R6807	ERJ8GCYJ1R2	M.RESISTOR CH 1/8W 1.2	1						

4-4. MECHANICAL REPLACEMENT PARTS LIST (NV-J40EI/EO/EV)

Note:1.* Be sure to make your orders of replacement parts according to this list.
 2. 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.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1(1)	VHDO141	HEAD AMP SET SCREW	2	
2(1)	VMA6897	HEAD AMP MOUNT ANGLE (L)	1	
3(1)	VXA4546	HEAD AMP MOUNT ANGLE (R)	1	
		UNIT		
5(1)	VXS0082	EARTH PLATE UNIT	1	
6(1)	VEG0890	CYLINDER UNIT	1 (<!)	
7(1)	VEH0532	UPPER CYLINDER UNIT	1 (<!)	
8(1)	VJRO082	RT TERMINAL	1	
10(1)	VHDO425	UPPER CYLINDER SET SCREW	2	
11(1)	VXL1495	TENSION ARM (1) UNIT	1	
12(1)	VMB1563	TENSION SPRING	1	
13(1)	VXZ0267	TENSION BAND UNIT	1	
14(1)	VXRO185	SUPPLY REEL TABLE UNIT	1	
15(1)	VWD1171	REEL WASHER (0.5mm)	2	
15(1)	VWD1239	REEL WASHER (0.3mm)	2	
15(1)	VWD1238	REEL WASHER (0.2mm)	2	
16(1)	VXL1496	TENSION RELEASE ARM(A)UNIT	1	
17(1)	VBS0038	FE HEAD	1	
18(1)	VXA2705	TENSION ARM BASE (1) UNIT	1	
19(1)	VMA6895	MOUNT ANGLE (L)	1	
20(1)	VMD1079	CUT WASHER	2	
21(1)	VXL1497	TENSION RELEASE ARM(B)UNIT	1	
22(1)	VMB1582	TENSION RELEASE SPRING	1	
23(1)	VES0489	SAFETY SW	1	
24(1)	VXZ0259	SUPPLY MAIN BRAKE UNIT	1	
25(1)	VXZ0274	SUPPLY SOFT BRAKE(1)UNIT	1	
26(1)	VMB1564	SUPPLY SOFT BRAKE SPRING	1	
27(1)	VXZ0262	TAKE UP MAIN BRAKE UNIT	1	
28(1)	VXZ0221	TAKE UP SOFT BRAKE UNIT	1	
29(1)	VMB1561	TAKE UP SOFT BRAKE SPRING	1	
30(1)	VMA6896	MOUNT ANGLE (R)	1	
31(1)	VHDO322	ADJUST SCREW	1	
32(1)	VMB1251	ADJUST SPRING	1	
33(1)	VHDO089B	AZIMUTH ADJUST SCREW	1	
34(1)	VED0160	A/C HEAD (1) UNIT	1	
35(1)	VHNO063	M4 NYLON NUT	1	
36(1)	VHNO110	ADJUST NUT	1	
37(1)	VMA7831	HEAD BASE	1	
38(1)	VMB1567	A/C HEAD SPRING	1	
39(1)	VXL1857	SUB LOADING ARM (1) UNIT	1	
40(1)	VMB1566	SUB POST SPRING	1	
41(1)	VXQ0006	THRUST SCREW UNIT	1	
42(1)	VHDO317	HOUSING SCREW	2	
43(1)	VMD1033	OIL SEAL	2	
44(1)	VMD1353	PINCH CAM CAP	1	
45(1)	VXL1858	PRESSURE ROLLER UNIT	1	
46(1)	VMB1941	PIN PRESSURE SPRING	1	
47(1)	VML2232	PINCH PRESSURE ARM	1	
48(1)	VMB1569	PINCH PRESSURE ARM RELEASE SPRING	1	
49(1)	VML1874	PINCH LIFT ARM	1	
50(1)	VDO0597	P5 PULL OUT SECTOR GEAR	1	
51(1)	VDO0421	PINCH CAM	1	
52(1)	VHDO045	M3 NYLON NUT	1	
53(1)	VXL2027	P5 UNIT	1	
54(1)	VMB2718	P5 SPRING	1	
55(1)	VSS0175	MODE SW	1	
57(1)	VXP0863	ROLLER POST UNIT	2	
58(1)	VXA4106	INCLINED BASE (S)(1)UNIT	1	
59(1)	VHDO133	ROLLER POST SCREW	2	
60(1)	VHDO910	POST STOPPER	2	
62(1)	VXA3876	INCLINED BASE(T)(1)UNIT	1	
63(1)	VXA2687	INCLINED ADJUST PLATE UNIT	1	
64(1)	VDO0483	PINCH SPEED DOWN GEAR	1	
65(1)	VDO0664	CONNECTION GEAR	1	
66(1)	VXA3735	SOLENOID UNIT	1	
67(1)	VXA2692	KICK ROD UNIT	1	
68(1)	VML1849	SOLENOID LEVER	1	
69(1)	VMB1553	KICK ROD SPRING	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
70(1)	VMB2012	MAIN BRAKE SPRING	1	
71(1)	VXRO188	TAKE UP REEL TABLE UNIT	1	
72(1)	VXD0101	HOUSING UNIT	1	
76(1)	VHDO374	HOUSING SCREW	1	
77(1)	VHDO342	CYLINDER SCREW	3	
80(1)	VXA3520	LED HOLDER UNIT	1	
81(1)	VMA7829	REINFORCEMENT PLATE (F)	1	
82(1)	VMB8468	REINFORCEMENT PLATE (R)	1	
83(1)	VMB1733	LEAF SPRING	1	
84(1)	VMD1068	SUPPLY UPPER LIMITER	1	
85(1)	VDF1072	SUPPLY ROLLER	1	
86(1)	VMD1581	P1 COLLAR	1	
87(1)	VMD1533	SUPPLY ROLLER LIMITER	1	
88(1)	VMD1544	P4 UPPER LIMITER	1	
89(1)	VMD1568	P4 SLEEVE	1	
90(1)	VMD1534	P4 LOWER LIMITER	1	
91(1)	VXL2086	CLEANER ARM (2) UNIT	1	
92(1)	VXP1269	CLEANER ROLLER UNIT	1	
93(1)	VMD1061	SNAP WASHER A	1	
94(1)	VML2510	CLEANER ARM B	1	
95(1)	VMB2263	CLEANER ARM SPRING A	1	
96(1)	VMB2264	CLEANER ARM SPRING B	1	
97(1)	VMD0506	FLEXIBLE CADE	1	P4101-P1501(6P)
100(2)	VMD1079	CUT WASHER	6	
101(2)	VMB1583	TAKE UP SOFT BRAKE RELEASE ARM SPRING	1	
102(2)	VMB1560	MAIN LEVER SPRING	1	
103(2)	VXA3509	MAIN LEVER (1) UNIT	1	
104(2)	VMD0215	SUB LEVER	1	
105(2)	VXL2088	SS BRAKE ARM UNIT	1	
106(2)	VMB1588	SS BRAKE SPRING	1	
107(2)	VXA3512	SS BRAKE BASE (1) UNIT	1	
108(2)	VXA3516	TENSION ROLLER UNIT	1	
109(2)	VXL1632	CAM FOLLOWER ARM UNIT	1	
110(2)	VML1861	DETENT ARM	1	
111(2)	VDO0574	MAIN CAM GEAR	1	
112(2)	VDO0343	SUB CAM GEAR	1	
113(2)	VDO0348	CENTRE GEAR	1	
114(2)	VDO0422	RETAINER GEAR	1	
115(2)	VDO0345	PLANET GEAR	3	
116(2)	VDO0547	CLUTCH DISK	1	
117(2)	VMB1558	CLUTCH SPRING	1	
118(2)	VDO0350	LOCK SLIDE GEAR	1	
119(2)	VDO0335	DRIVE DISK	1	
120(2)	VDO0342	RING GEAR	1	
121(2)	VMD0967	CUT WASHER	2	
122(2)	VML1859	CHANGE LEVER	1	
123(2)	VXA2672	RELEASE LEVER (1) UNIT	1	
124(2)	VMB1557	RELEASE SPRING	1	
125(2)	VML1860	RELEASE LEVER	1	
127(2)	VXP1002	TAKE UP REEL GEAR UNIT	1	
128(2)	VXP0981	SUPPLY REEL GEAR UNIT	1	
129(2)	VML1858	RETURN LEVER (R)	1	
130(2)	VML1857	RETURN LEVER (L)	1	
131(2)	VMD0913	STOPPER BASE	1	
132(2)	VMD0169	TIMING BELT	1	
133(2)	VXP1113	ROTOR UNIT	1	
134(2)	VMA7941	ROTOR STOPPER	1	
135(2)	VEK4097	STATOR UNIT	1 (<!)	
136(2)	VMA6847	SUB PLATE	1	
137(2)	VXP0917	CENTRE PULLEY UNIT	1	
138(2)	VDO0564	LOADING GEAR (T)	1	
139(2)	VMB1555	LOADING SPRING (T)	1	
140(2)	VXL1489	LOADING ARM (T)(1) UNIT	1	
141(2)	VXA3515	SECTOR GEAR UNIT	1	
142(2)	VDO0448	LOADING CAM GEAR	1	
143(2)	VDO0419	LOADING GEAR (S)	1	
144(2)	VML1855	PLAY CONTROL ARM	1	
145(2)	VXL1487	LOADING ARM (S)(1) UNIT	1	
146(2)	VDO0546	INTERMEDIATE GEAR	1	
147(2)	VXL1861	PLAY ARM UNIT	1	
148(2)	VBK0048	FG HEAD	1	
149(2)	VMB1746	LOADING SPRING(S)	1	
161(2)	VHDO431	STATOR SPACER SCREW	1	
162(2)	VHNO102	STATOR NUT	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
201(3)	VMA7223	TOP PLATE	1		450(6)	VYK3938	TOP COVER UNIT	1	NV-J40EI
202(3)	VXA3840	CASSETTE HOLDER UNIT	1		450(6)	VYK3934	TOP COVER UNIT	1	NV-J40EO/EV
217(3)	VMD1890	SIDE PLATE (L)	1		451(6)	VKM2598	BOTTOM COVER	1	
218(3)	VML1880	OPENER LEVER	1		452(6)	VJRO680	ELECTRODE (COM.)	1	
219(3)	VXA4468	SIDE PLATE (R) UNIT	1		453(6)	VJRO657	ELECTRODE(+)	1	
221(3)	VXA4469	SLIDE SW UNIT	1		454(6)	VJRO658	ELECTRODE(-)	1	
229(3)	VXPO987	MAIN SHAFT UNIT	1		455(6)	VKF1658	BATTERY COVER	1	
230(3)	VMB1836	SUB WIPER SPRING (L)	1		456(6)	VKM1449	IR WINDOW	1	
231(3)	VML1878	SUB WIPER ARM (L)	1		457(6)	VSP0602	RUBBER CONTACT	1	NV-J40EI
232(3)	VML1879	SUB WIPER ARM (R)	1		457(6)	VSP0598	RUBBER CONTACT	1	NV-J40EO/EV
233(3)	VMB1837	SUB WIPER SPRING (R)	1		458(6)	VQ2399	SENSOR CAP	1	
234(3)	VMA6900	CASSETTE GUIDE	1		459(6)	VMT0373T	CONDUCTIVE RUBBER	2	
235(3)	VKF1741	BLINDER PANEL	1	NV-J40EI/EO/EV	460(6)	VGP2797	DOOR PANEL	1	
235(3)	VKF1548	BLINDER PANEL (WHITE)	1	NV-J40EO-W (WHITE)	461(6)	VSL0243	LCD	1	
236(3)	VMB1258	BLINDER SPRING	1						
240(3)	VMA7224	CASSETTE HOLDER ANGLE	1				SERVICING FIXTURES		
241(3)	VWJ040W270MM	FLEXIBLE CARD	1	P1503-P1507 (4P)		VFJ8125H3F	VHS-ALIGNMENT TAPE (PAL)	1	
242(3)	VWJ0534B	FLEXIBLE CARD	1	PS002-P1508 (6P)		VFK0335	RETAINING RING REMOVER (3mm/4mm)	1	
300(4)	VYP3043	TOP PANEL UNIT	1	NV-J40EI		VFK0387	TENSION POST ADJUSTMENT PLATE	1	
300(4)	VGM0625	TOP PANEL	1	NV-J40EO/EV		VFK0191	POST ADJUSTMENT PLATE	1	
300(4)	VGM0832	TOP PANEL (WHITE)	1	NV-J40EO-W (WHITE)		VFK0190	REEL TABLE HEIGHT GAUGE	1	
301(4)	VHD0304	TOP PANEL SCREW	4	NV-J40EI/EO/EV		VFK0328	H-POSITION ADJ. SCREWDRIWER	1	
301(4)	VHD0305	TOP PANEL SCREW (WHITE)	4	NV-J40EO-W (WHITE)		VFK0329	POST ADJUSTMENT SCREWDRIWER	1	
302(4)	VYP3747	FRONT PANEL UNIT	1	NV-J40EI		VFK62	FAN TYPE TENSION GAUGE	1	
302(4)	VYP3688	FRONT PANEL UNIT	1	NV-J40EO/EV		VFK0326	HEX WRENCH SET	1	
302(4)	VYP3748	FRONT PANEL UNIT (WHITE)	1	NV-J40EO-W (WHITE)		VFK0132	BACK TENSION METER	1	
303(4)	VYF1731	FRONT DOOR UNIT	1	NV-J40EI/EO/EV		VFK0343	CHECK LIGHT	1	
303(4)	VYF1758	FRONT DOOR UNIT (WHITE)	1	NV-J40EO-W (WHITE)		VFK0344	HEIGHT ADJUSTMENT JIG	1	
304(4)	VQ00550	DOOR LOCK PIECE	2			VFK27	HEAD CLEANING STICK	1	
305(4)	VMT0332	SPACER	2			MQR265	MORLYTONE GREASE	1	
306(4)	VJH0617	ANT TERMINAL PLATE	1			VFK0680	WHITE GREASE	1	
307(4)	VXA4453	POWER SHIELD COVER(MAIN) UNIT	1			VFK0341	UPPER CYLINDER REMOVER	1	
308(4)	VSC2351	POWER SHIELD COVER (TOP)	1						
309(4)	VSC3375	POWER SHIELD COVER (BOTTOM)	1						
310(4)	VQ01377	IC HOLDER	1						
311(4)	VME1224	INSULATION SHEET	1						
312(4)	VME1854	POWER BARRIER	1						
313(4)	VGH2721	NAME PLATE	1						
314(4)	VMP1037	TOP HOLDER ANGLE (R)	2						
315(4)	VMP1995	TOP HOLDER ANGLE (REAR-L)	1						
316(4)	VMP3302	TOP HOLDER ANGLE (FRONT-L)	1						
317(4)	VKU0309	BOTTOM PLATE	1						
318(4)	VHD0059	BOTTOM PLATE SCREW	7						
319(4)	VMP3141	EARTH ANGLE	1						
320(4)	VHD0141	POWER SCREW	2						
321(4)	VJF0374	MAIN C.B.A. HOLDER	1						
322(4)	VJS3084A005	BRIDGE CONNECTOR	1						
323(4)	VKA0122	FOOT	2						
400(5)	VQT4180	OPERATING INSTRUCTIONS (ENGLISH/GERMAN)	1	< ! >					
400(5)	VQT4185	OPERATING INSTRUCTIONS (FRENCH/ITALIAN)	1	< ! >NV-J40EI/EV					
400(5)	VQT4186	OPERATING INSTRUCTIONS (SWEDISH)	1	< ! >NV-J40EO/EO-W					
400(5)	VQT4184	OPERATING INSTRUCTIONS (SPANISH/FINNISH/ PORTUGUESE)	1	< ! >NV-J40EO					
400(5)	VQT4320	OPERATING INSTRUCTIONS (DANISH/NORSE)	1	< ! >NV-J40EO-W					
401(5)	VQC1859	PROGRAMME SHEET	1						
402(5)	VJA0376	DIN RF CABLE	1						
403(5)	VJA0449	AC CORD	1	< ! >NV-J40EI					
403(5)	VJA0664	AC CORD	1	< ! >NV-J40EO/EV					
404(5)	VEQ1255	REMOTE CONTROLLER (BUILD IN DIGITAL SCANNER)	1	NV-J40EI					
404(5)	VEQ1253	REMOTE CONTROLLER (BUILD IN DIGITAL SCANNER)	1	NV-J40EO/EV					
405(5)	VFK0825	ACCESSORIES PACKING	1						
406(5)	VFN3103	CUSHION (R)	1						
407(5)	VFN3104	CUSHION (L)	1						
408(5)	VPG5986	PACKING	1	NV-J40EI					
408(5)	VPG5987	PACKING	1	NV-J40EO					
408(5)	VPG5988	PACKING	1	NV-J40EO-W					
408(5)	VPG5989	PACKING	1	NV-J40EV					

4-5. ELECTRICAL REPLACEMENT PARTS LIST (NV-J40EI/EO/EV)

Note: 1. Be sure to make your orders of replacement parts according to this list.
 2. IMPORTANT SAFETY NOTICE
 Components identified with the mark (<I>) have the special characteristics for safety. When replacing any of these components, use only the same type.
 3. Unless otherwise specified, All resistors are in OHMS, K=1,000 OHMS. All capacitors are in MICRO-FARADS (uf), P=pic.
 4. The P.C. Board units marked with '■' show below the main assembled parts.
 5. Printed circuit board assembly with mark (NLA) is no longer available after discontinuation of the product.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VEPO3840M	MAIN C.B.A.	1	(NLA) NV-J40EI/EO
	VEPO3840N	MAIN C.B.A.	1	(NLA) NV-J40EV
	VEPO3883C	INPUT/OUTPUT PACK C.B.A.	1	(NLA)
	VEPO3857L	LUMINANCE & CHROMINANCE C.B.A.	1	(NLA) NV-J40EI
	VEPO3857N	LUMINANCE & CHROMINANCE C.B.A.	1	(NLA) NV-J40EO/EV
	VEPO2375A	CYLINDER DRIVE C.B.A.	1	(NLA)
	VEPO5167E	HEAD AMP C.B.A.	1	(NLA)
	VEPO7538E	VPS PACK C.B.A.	1	(NLA) NV-J40EV
	VEPO7637D	TIMER C.B.A.	1	(NLA) NV-J40EO/EV INCLUDING THE IR RECEIVER UNIT (VEKS 206)
	VEPO7637K	TIMER C.B.A.	1	(NLA) NV-J40EI INCLUDING THE IR RECEIVER UNIT (VEKS 206)
	VEKS206	IR RECEIVER UNIT	1	(NLA) INCLUDED IN TIMER C.B.A. (VEPO7637D/K)
	VEPOOR31A	OPERATION C.B.A.	1	(NLA)
	VEPO7643A	TV DEMODULATOR PACK C.B.A.	1	(NLA)
	VEPO1469C	POWER C.B.A.	1	(NLA) (<I>) NV-J40EI
	VEPO1469G	POWER C.B.A.	1	(NLA) (<I>) NV-J40EO/EV
	VEPOOR11A	PHOTO Tr. (S) C.B.A.	1	(NLA)
	-----	PHOTO Tr. (T) C.B.A.	1	(NLA)
	VXA4463	MECHANISM CONNECTION C.B.A.	1	(NLA)
	VEP66178L	REMOTE CONTROLLER C.B.A.	1	(NLA)
	ENC17984	RF CONVERTER UNIT	1	(NLA)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
F1101	XBA2C16T80	FUSE 250V 1.6A	1	
	■ VEPO3840M	MAIN C.B.A.		(NLA) NV-J40EI/EO
		CAPACITORS		
C1001	ECEA1EK470	E. CAPACITOR 25V 47U	1	
C1002	ECEA1CK470	E. CAPACITOR 16V 47U	1	
C1003	ECEAOJK101	E. CAPACITOR 6.3V 100U	1	
C2001	EQQV1H683JZ	P. CAPACITOR 50V 0.068U	1	
C2002	ECEA1HK3R3	E. CAPACITOR 50V 3.3U	1	
C2003	ECEA1HK3R3	E. CAPACITOR 50V 3.3U	1	
C2004	EQQB1H223KZ	P. CAPACITOR 50V 0.022U	1	
C2005	ECEA1CK100	E. CAPACITOR 16V 10U	1	
C2006	ECEA1HK3R3	E. CAPACITOR 50V 3.3U	1	
C2007	ECEAOJK221	E. CAPACITOR 6.3V 220U	1	
C2008	EQQB1H223KZ	P. CAPACITOR 50V 0.022U	1	
C2009	ECUM1H472KBN	C. CAPACITOR CH 50V 4700P	1	
C2010	ECUM1H1032FN	C. CAPACITOR CH 50V 0.01U	1	
C2011	ECEA1HK47	E. CAPACITOR 50V 0.47U	1	
C2012	EQQB1H223KZ	P. CAPACITOR 50V 0.022U	1	
C2013	ECUM1H1032FN	C. CAPACITOR CH 50V 0.01U	1	
C2014	ECEAOJK470	E. CAPACITOR 6.3V 47U	1	
C2015	ECEA1AK470	E. CAPACITOR 10V 47U	1	
C2016	ECUM1H1032FN	C. CAPACITOR CH 50V 0.01U	1	
C2017	ECEA1CK101	E. CAPACITOR 16V 100U	1	
C2018	ECEA1HK4R7	E. CAPACITOR 50V 4.7U	1	
C2019	ECUM1H471KBN	C. CAPACITOR CH 50V 470P	1	
C2020	ECUM1H222KBN	C. CAPACITOR CH 50V 2200P	1	
C2021	ECUM1H392KBN	C. CAPACITOR CH 50V 3900P	1	
C2022, 23	ECEAOJK220	E. CAPACITOR 6.3V 22U	2	
C2024	EQQV1H184JZ	P. CAPACITOR 50V 0.18U	1	
C2027	EQQB1H103KZ	E. CAPACITOR 50V 0.01U	1	
C2028	ECEA1HK010	E. CAPACITOR 50V 1U	1	
C2031	ECUM1H102KBN	C. CAPACITOR CH 50V 1000P	1	
C2033	ECEAOJK470	E. CAPACITOR 6.3V 47U	1	
C2034, 35	EQQV1H104JZ	P. CAPACITOR 50V 0.1U	2	
C2036	ECEAOJK330	E. CAPACITOR 6.3V 33U	1	
C2038	ECUM1H222KBN	C. CAPACITOR CH 50V 2200P	1	
C2101	ECUM1H1042FN	C. CAPACITOR CH 50V C.1U	1	
C2211-13	ECEA1HK2R2	E. CAPACITOR 50V 2.2U	3	
C2214	ECAOJM221	E. CAPACITOR 6.3V 220U	1	
C2215-19	ECUM1H333KBN	C. CAPACITOR CH 50V 0.033U	5	
C2221	ECUM1H333KBN	C. CAPACITOR CH 50V 0.033U	1	
C2222	ECEA1CK470	E. CAPACITOR 16V 47U	1	
C2301	ECEAOJK470	E. CAPACITOR 6.3V 47U	1	
C2302	ECEA1EK4R7	E. CAPACITOR 25V 4.7U	1	
C2323	ECEA1HK4R7	E. CAPACITOR 50V 0.47U	1	
C3001	ECEA1CK470	E. CAPACITOR 16V 47U	1	
C3002	ECAOJM102	E. CAPACITOR 6.3V 1000U	1	
C3003-06	ECUM1H1032FN	C. CAPACITOR CH 50V 0.01U	4	
C3008	ECUM1H101JCN	C. CAPACITOR CH 50V 100P	1	
C3009	ECUM1H1032FN	C. CAPACITOR CH 50V 0.01U	1	
C3010	ECEA1HK010	E. CAPACITOR 50V 1U	1	
C3203	ECUM1H151JCN	C. CAPACITOR CH 50V 150P	1	
C3204	ECUM1H330JCN	C. CAPACITOR CH 50V 33P	1	
C3205	ECUM1H681JCN	C. CAPACITOR CH 50V 680P	1	
C3206	ECUM1H220JCN	C. CAPACITOR CH 50V 22P	1	
C3207	ECUM1H330JCN	C. CAPACITOR CH 50V 33P	1	
C3208	ECUM1H180JCN	C. CAPACITOR CH 50V 18P	1	
C3209	ECUM1H1032FN	C. CAPACITOR CH 50V 0.01U	1	
C3211	ECUM1H1032FN	C. CAPACITOR CH 50V 0.01U	1	
C3212	ECEAOJK101	E. CAPACITOR 6.3V 100U	1	
C3213	ECUM1H1032FN	C. CAPACITOR CH 50V 0.01U	1	
C3214	ECEAOJK470	E. CAPACITOR 6.3V 47U	1	
C3217	ECUM1H1032FN	C. CAPACITOR CH 50V 0.01U	1	
C4001	EQQB1H153JF	E. CAPACITOR 50V 0.015U	1	
C4002	ECEA16M33	E. CAPACITOR 16V 33U	1	
C4003	EQQB1H102KZ	P. CAPACITOR 50V 1000P	1	
C4004	EQQP1332JZ	P. CAPACITOR	1	
C4005	ECCD2H181J	CAPACITOR	1	
C4006	ECEA1CK470	E. CAPACITOR 16V 47U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q3204	2SB970-R	TRANSISTOR CHIP	1	(R,S)
Q4001	MSD602	TRANSISTOR	1	(R)
Q6101	MSC2295	TRANSISTOR	1	
Q6201.02	MSB710	TRANSISTOR	2	(R)
Q6203	2SB1321-R	TRANSISTOR	1	
Q6603-05	2SD1994-S	TRANSISTOR	3	(S)
Q6606	MSD602	TRANSISTOR	1	
Q6607	MSD601	TRANSISTOR	1	
		COMBINATION PARTS		
QR1001	MRN1402	TRANSISTOR	1	
QR2001	MRN1404	TRANSISTOR	1	
QR2006	MRN1404	TRANSISTOR	1	
QR3001	MRN2402	TRANSISTOR	1	
QR3007	MRN1403	TRANSISTOR	1	
QR4001	MRN1404	TRANSISTOR	1	
QR4102	MRN1404	TRANSISTOR	1	
QR4103	DTC363EK	TRANSISTOR-RESISTOR	1	
QR6006	UN2216	TRANSISTOR-RESISTOR	1	
QR6201.02	MRN1404	TRANSISTOR	2	
QR6601	UN2119	TRANSISTOR-RESISTOR	1	
QR6602	MRN2404	TRANSISTOR	1	
QR6603-05	MRN1403	TRANSISTOR	3	
QR6606.07	MRN2404	TRANSISTOR	2	
QR7401	MRN1402	TRANSISTOR	1	
		RESISTORS		
R2003	ERJ6GMYG392	M.RESISTOR CH 1/10W 3.9K	1	
R2004	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2005	ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	1	
R2006-08	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	3	
R2009.10	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	2	
R2011	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R2012.13	ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	2	
R2021.22	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	2	
R2023	ERDS2TJ391	C.RESISTOR 1/4W 390	1	
R2024	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2026	ERJ6GMYG513	M.RESISTOR CH 1/10W 51K	1	
R2027	ERJ6GMYJ824	M.RESISTOR CH 1/10W 820K	1	
R2030	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R2032	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2033	ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R2034	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R2102	ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R2103.04	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	2	
R2108	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2215	ERJ6GMYG512	M.RESISTOR CH 1/10W 5.1K	1	
R2217	ERJ6GMYG622	M.RESISTOR CH 1/10W 6.2K	1	
R2218	ERJ6GMYG752	M.RESISTOR CH 1/10W 7.5K	1	
R2219	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2220-22	ERDS2TJ330	C.RESISTOR 1/4W 33	3	
R2223	ERJ6GMYJ330	M.RESISTOR CH 1/10W 33	1	
R2224	ERX12SJR47	RESISTOR 0.47	1	
R2301.02	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	2	
R2303	ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M	1	
R2307	ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M	1	
R2312	ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R3002	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R3003	ERJ6GMYJ750	M.RESISTOR CH 1/10W 75	1	
R3004	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R3012	ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R3013	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R3014	ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R3015	ERJ6GMYOR00	M.RESISTOR CH 1/10W 0	1	
R3016	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3201.02	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	2	
R3203	ERJ6GMYOR00	M.RESISTOR CH 1/10W 0	1	
R3204.05	ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	2	
R3207.08	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	2	
R3211	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R3212	ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R3213	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3215	ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3216	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3217	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R3219	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R3223	ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R4002	ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R4003	ERJ6GMYG223	M.RESISTOR CH 1/10W 22K	1	
R4004	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4006	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4007	ERJ6GMYG221	M.RESISTOR CH 1/10W 220	1	
R4008	ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R4010	ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K	1	
R4011	ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R4012	ERJ6GMYJ331	M.RESISTOR CH 1/10W 330	1	
R4013	ERJ6GMYJ394	M.RESISTOR CH 1/10W 390K	1	
R4014	ERJ6GMYG822	M.RESISTOR CH 1/10W 8.2K	1	
R4015	ERJ6GMYJ153	M.RESISTOR CH 1/10W 1.5K	1	
R4016	ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M	1	
R4017	ERJ6GMYG302	M.RESISTOR CH 1/10W 3K	1	
R4018	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R4019	ERJ6GMYG513	M.RESISTOR CH 1/10W 51K	1	
R4020	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4023	ERJ6GMYG473	M.RESISTOR CH 1/10W 47K	1	
R4024.25	ERJ6GMYG104	M.RESISTOR CH 1/10W 100K	2	
R4026	ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	1	
R4027	ERJ6GMYJ153	M.RESISTOR CH 1/10W 1.5K	1	
R4028	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R4038	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4042	ERJ6GMYJ681	M.RESISTOR CH 1/10W 680	1	
R4044	ERJ6GMYG103	M.RESISTOR CH 1/10W 10K	1	
R4049	ERJ6GMYJ470	M.RESISTOR CH 1/10W 47	1	
R4053	ERJ6GMYJ331	M.RESISTOR CH 1/10W 330	1	
R4101	ERJ6GMYJ100	M.RESISTOR CH 1/10W 10	1	
R4102	ERJ6GMYG332	M.RESISTOR CH 1/10W 3.3K	1	
R4103	ERJ6GMYG622	M.RESISTOR CH 1/10W 6.2K	1	
R4104	ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R4106	ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R6001	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R6003.04	ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	2	
R6005	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R6006.07	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	2	
R6008-11	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	4	
R6012-15	ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	4	
R6016.17	ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	2	
R6018	ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R6019	ERJ6GMYJ391	M.RESISTOR CH 1/10W 390	1	
R6022	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R6023	ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R6024.25	ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	2	
R6026.27	ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	2	
R6032	ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R6036	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R6037	ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R6038	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R6039	ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R6052	ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R6053	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R6054	ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R6056	ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R6057	ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K	1	
R6061	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R6062	ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K	1	
R6063	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R6064	ERJ6GMYJ184	M.RESISTOR CH 1/10W 180K	1	
R6065	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R6066	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R6101	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R6102	ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R6103.04	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	2	
R6201	ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R6202	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R6203	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R6204	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R6205	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R6206	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R6502	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6601	ERJ6GMJ562	M.RESISTOR CH 1/10W 5.6K	1	
R6602	ERJ6GMJ103	M.RESISTOR CH 1/10W 10K	1	
R6605	ERJ6GMJ221	M.RESISTOR CH 1/10W 220	1	
R6606	ERJ6GMJ131	M.RESISTOR CH 1/10W 130	1	
R6607	ERJ6GMJ152	M.RESISTOR CH 1/10W 1.5K	1	
R6608	ERJ6GMJ562	M.RESISTOR CH 1/10W 5.6K	1	
R6609	ERG3SJ220	M.RESISTOR 3W 22	1	
R6610	ERJ6GMJ201	M.RESISTOR CH 1/10W 200	1	
R6611	ERJ6GMJ103	M.RESISTOR CH 1/10W 10K	1	
R6612	ERD2FCV6220	C.RESISTOR 2W 22	1	
R6613	ERJ6GMJ102	M.RESISTOR CH 1/10W 1K	1	
R6614	ERJ6GMJ153	M.RESISTOR CH 1/10W 15K	1	
R6615	ERJ6GMJ103	M.RESISTOR CH 1/10W 10K	1	
R6616	ERJ6GMJ272	M.RESISTOR CH 1/10W 2.7K	1	
R6617	ERJ6GMJ222	M.RESISTOR CH 1/10W 2.2K	1	
R6618	ERJ6GMJ332	M.RESISTOR CH 1/10W 3.3K	1	
R6623	ERJ6GMJ101	M.RESISTOR CH 1/10W 100	1	
R7401	ERJ6GMJ822	M.RESISTOR CH 1/10W 8.2K	1	
R7402	ERJ6GMJ181	M.RESISTOR CH 1/10W 180	1	
		TRANSFORMER		
T4001	EIQ7QF014Q	TRANSFORMER	1	
		VARIABLE RESISTORS		
VR2001	EVNDXAA00B54	V.RESISTOR 50K	1	
VR3012	EVNDXAA00B52	V.RESISTOR 500	1	
VR4002	EVNDXAA00B25	V.RESISTOR 200K	1	
		CRYSTAL OSCILLATORS		
X6101	VSX0383	CRYSTAL OSCILLATOR	1	
X7401	VSQ0565	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VWJ0532B	FLAT CARD (CABLE)	1	
	VJF0974	FLAT CARD CRIP	1	
	VWJ0528B	FLAT CARD (CABLE)	1	P1001-P1101
	VWJ0529A	FLAT CARD (CABLE)	1	P2001-P201
	VWJ0530B	FLAT CARD (CABLE)	1	P2002-P006
	VWJ0533A	FLAT CARD (CABLE)	1	P6001-P1504
		VEP03840N	MAIN C.B.A.	(NLA) NV-J40EV
		CAPACITORS		
C1001	ECEA1EK470	E.CAPACITOR 25V 47U	1	
C1002	ECEA1CK470	E.CAPACITOR 16V 47U	1	
C1003	ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C2001	EQQV1H683J2	P.CAPACITOR 50V 0.068U	1	
C2002	ECEA1HK3R3	E.CAPACITOR 50V 3.3U	1	
C2003	ECEA1HK3R3	E.CAPACITOR 50V 3.3U	1	
C2004	EQQ81H223KZ	P.CAPACITOR 50V 0.022U	1	
C2005	ECEA1CK100	E.CAPACITOR 16V 10U	1	
C2006	ECEA1HK3R3	E.CAPACITOR 50V 3.3U	1	
C2007	ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C2008	EQQ81H223KZ	P.CAPACITOR 50V 0.022U	1	
C2009	ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	1	
C2010	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
C2011	ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C2012	EQQ81H223KZ	P.CAPACITOR 50V 0.022U	1	
C2013	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
C2014	ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C2015	ECEA1AK470	E.CAPACITOR 10V 47U	1	
C2016	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
C2017	ECEA1CK101	E.CAPACITOR 16V 100U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C2018	ECEA1HKR47	E.CAPACITOR 50V 4.7U	1	
C2019	ECUM1H471KBN	C.CAPACITOR CH 50V 470P	1	
C2020	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	
C2021	ECUM1H392KBN	C.CAPACITOR CH 50V 3900P	1	
C2022,23	ECEA0JK220	E.CAPACITOR 6.3V 22U	2	
C2024	EQQV1H184J2	P.CAPACITOR 50V 0.18U	1	
C2027	EQQ81H103KZ	E.CAPACITOR 50V 0.01U	1	
C2028	ECEA1HKNO10	E.CAPACITOR 50V 1U	1	
C2031	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C2033	ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C2034,35	EQQV1H104J2	P.CAPACITOR 50V 0.1U	2	
C2036	ECEA0JK330	E.CAPACITOR 6.3V 33U	1	
C2038	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	
C2101	ECUM1H1042FN	C.CAPACITOR CH 50V 0.1U	1	
C2211-13	ECEA1HKR2R2	E.CAPACITOR 50V 2.2U	3	
C2214	ECA0JM221	E.CAPACITOR 6.3V 220U	1	
C2215-19	ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U	5	
C2221	ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U	1	
C2222	ECEA1CK470	E.CAPACITOR 16V 47U	1	
C2301	ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C2302	ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C2323	ECEA1HKNR47	E.CAPACITOR 50V 0.47U	1	
C3001	ECEA1CK470	E.CAPACITOR 16V 47U	1	
C3002	ECA0JM102	E.CAPACITOR 6.3V 1000U	1	
C3003-06	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	4	
C3008	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3009	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
C3010	ECEA1HKNO10	E.CAPACITOR 50V 1U	1	
C3203	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C3204	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3205	ECUM1H681JCN	C.CAPACITOR CH 50V 680P	1	
C3206	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3207	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3208	ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C3209	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
C3211	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
C3212	ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C3213	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
C3214	ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C3217	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
C4001	EQQ81H153JF	E.CAPACITOR 50V 0.015U	1	
C4002	ECEA16M33	E.CAPACITOR 16V 33U	1	
C4003	EQQ81H102KZ	P.CAPACITOR 50V 1000P	1	
C4004	EQQ1332J2	P.CAPACITOR	1	
C4005	ECCD2H181J	CAPACITOR	1	
C4006	ECEA1CK470	E.CAPACITOR 16V 47U	1	
C4007	ECEA1CK330	E.CAPACITOR 16V 33U	1	
C4008	ECEA1HK010	E.CAPACITOR 50V 1U	1	
C4009	ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C4012	ECEA1CK00	E.CAPACITOR 16V 10U	1	
C4013	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C4014	ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C4015	ECEA16M10R	E.CAPACITOR 16V 10.0U	1	
C4016	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4017	ECEA10M22	E.CAPACITOR	1	
C4018	EQQ81H822KZ	P.CAPACITOR 50V 8200P	1	
C4019	ECEA1CK100	E.CAPACITOR 16V 10U	1	
C4020	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4021	ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C4022	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4023	ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C4024,25	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C4026	ECUM1H1042FN	C.CAPACITOR CH 50V 0.1U	1	
C4029	EQQ81H123JF	E.CAPACITOR 50V 0.012U	1	
C4033	EQQ81H102JF	E.CAPACITOR 50V 1000P	1	
C4036	ECUM1H681JCN	C.CAPACITOR CH 50V 680P	1	
C4038	EQQ81H273JH	P.CAPACITOR 50V 0.027U	1	
C4102	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C6001	ECUM1H1042FN	C.CAPACITOR CH 50V 0.1U	1	
C6002	ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C6005	ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C6006,07	ECUM1H271KBN	C.CAPACITOR CH 50V 270P	2	
C6101	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
C6102	ECUM1H1042FN	C.CAPACITOR CH 50V 0.1U	1	
C6103	ECEA0JK470	E.CAPACITOR 6.3V 47U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C6104	ECUM1H181JCN	C. CAPACITOR CH 50V 180P	1	
C6105	ECUM1H101JCN	C. CAPACITOR CH 50V 100P	1	
C6106	ECUM1H150JCN	C. CAPACITOR CH 50V 15P	1	
C6201	ECUM1H333KEN	C. CAPACITOR CH 50V 0.033U	1	
C6501	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C6504	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C6601	ECEAQJU331	E. CAPACITOR 6.3V 330U	1	
C6602	ECEAQJK470	E. CAPACITOR 6.3V 47U	1	
C6603	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C6604	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C6605	ECEA1EU470	E. CAPACITOR 25V 47U	1	
C6606,07	ECA1CP102	CAPACITOR	2	
C7401	ECAQJ221	E. CAPACITOR 6.3V 220U	1	
C7402	ECCS5R5T224N	E. CAPACITOR 5.5V 0.22U	1	
C7403	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C7404	ECUM1H223KEN	C. CAPACITOR CH 50V 0.022U	1	
C7406	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C7407	ECEAQJKS101	E. CAPACITOR 6.3V 100U	1	
C7408	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C7409	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C7410,11	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	2	
C7421	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C7422	ECUM1H272KEN	C. CAPACITOR CH 50V 2700P	1	
C7424	ECUM1H101JCN	C. CAPACITOR CH 50V 100P	1	
C7425	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C7426	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C7427,28	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	2	
		DIODES		
D1001,02	1SS254	DIODE	2	
D2001	1SS254	DIODE	1	
D2005	1SS254	DIODE	1	
D2008	MA4051	DIODE	1	
D2303,04	1SS254	DIODE	2	
D3001	1SS254	DIODE	1	
D4003,04	1SS254	DIODE	2	
D6003	MA723VT	DIODE	1 (VT)	
D6005	1SS254	DIODE	1	
D6007	1SS254	DIODE	1	
D6601-05	1SS254	DIODE	5	
D6606	MA151WA	DIODE	1	
D6607	AKO4	DIODE	1	
D6608	ERA15-01	DIODE	1	
D7401,02	MA723VT	DIODE	2 (VT)	
		ICS		
IC2201	XRA6435S	IC	1	
IC2301	UPC358G2	IC	1	
IC4001	XRA7766AS	IC	1	
IC6001	MN6743VRDD	IC	1	
IC6002	UPC358G2	IC	1	
IC6502	PST590D	IC	1	
IC6601	SI-3090CA	IC	1	
		RESISTORS		
K3001	ERJ6GMZOR00	M. RESISTOR CH 1/10W 0	1	
K3007	ERJ6GMZOR00	M. RESISTOR CH 1/10W 0	1	
K3011	ERJ6GMZOR00	M. RESISTOR CH 1/10W 0	1	
K3016	ERJ6GMZOR00	M. RESISTOR CH 1/10W 0	1	
K3201,02	ERJ6GMZOR00	M. RESISTOR CH 1/10W 0	2	
K4002	ERJ6GMZOR00	M. RESISTOR CH 1/10W 0	1	
K4005	ERJ6GMZOR00	M. RESISTOR CH 1/10W 0	1	
K4102	ERJ6GMZOR00	M. RESISTOR CH 1/10W 0	1	
K6010	ERJ6GMZOR00	M. RESISTOR CH 1/10W 0	1	
K6601	ERJ6GMZOR00	M. RESISTOR CH 1/10W 0	1	
K7401	ERJ6GMZOR00	M. RESISTOR CH 1/10W 0	1	
K7408	ERJ6GMZOR00	M. RESISTOR CH 1/10W 0	1	
		COILS		
L2001	ELESP102KA	COIL 1000UH	1	
L2002	ELESQ101KA	COIL 100UH	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L3001	ELESQ101KA	COIL 100UH	1	
L3202	ELESP6R8KA	COIL 6.8UH	1	
L3203	ELESQ101KA	COIL 100UH	1	
L3204	ELESP120KA	COIL 12UH	1	
L3205	ELESQ5R6KA	COIL 5.6UH	1	
L3206	ELESQ101KA	COIL 100UH	1	
L3207	ELESQ3R3KA	COIL 3.3UH	1	
LA001	VLQEL07F153K	COIL 15mH	1	
LA002	ELESP471KA	COIL 470UH	1	
L6001	VLP0074	COIL	1	
L6101	ELESQ101KA	COIL 100UH	1	
L7401	ELESQ1R0KA	COIL 1UH	1	
L7402	ELESQ101KA	COIL 100UH	1	
L7403	VLP0085	COIL	1	
L7404	ELESQ1R0KA	COIL 1UH	1	
L7405	ELESQ101KA	COIL 100UH	1	
		CONNECTORS		
P1001	VJS1661	CONNECTOR (FEMALE)	1	
P2001	VJS2328	CONNECTOR (FEMALE)	1	
P2002	VJS1663	CONNECTOR (FEMALE)	1	
P3001	VJS1658	CONNECTOR (FEMALE)	1	
P4101	VJS2331	CONNECTOR (FEMALE)	1	
P6001	VJS1661	CONNECTOR (FEMALE)	1	
P6002	VJS3147	CONNECTOR (FEMALE)	1	
P7401	VJS1664	CONNECTOR (FEMALE)	1	
P7402	VJS1668	CONNECTOR (FEMALE)	1	
		CONNECTORS		
PP3001	VJP3044G009W	CONNECTOR (MALE)	1	
PP3002	VJP3044G012W	CONNECTOR (MALE)	1	
PP3003	VJP3044G006W	CONNECTOR (MALE)	1	
PP3901	VJP3042A011W	CONNECTOR (MALE)	1	
PP3902	VJP3042A012W	CONNECTOR (MALE)	1	
PP7401-03	VJP3043A005W	CONNECTOR (MALE)	3	
PP7404	VJP3043A006W	CONNECTOR (MALE)	1	
PP7405	VJP3043A004W	CONNECTOR (MALE)	1	
PP7406	VJP3043G010W	CONNECTOR (MALE)	1	
		TRANSISTORS		
Q2002	2SD1915	TRANSISTOR	1	
Q3001	MSB709	TRANSISTOR	1	
Q3201,02	MSC2295	TRANSISTOR	2	
Q3203	MSD601	TRANSISTOR	1	
Q3204	2SB970-R	TRANSISTOR CHIP	1 (R,S)	
Q4001	MSD602	TRANSISTOR	1 (R)	
Q6101	MSC2295	TRANSISTOR	1	
Q6201,02	MSB710	TRANSISTOR	2 (R)	
Q6203	2SB1321-R	TRANSISTOR	1	
Q6603-05	2SD1994-S	TRANSISTOR	3 (S)	
Q6606	MSD602	TRANSISTOR	1	
Q6607	MSD601	TRANSISTOR	1	
		COMBINATION PARTS		
QR1001	MRN1402	TRANSISTOR	1	
QR2001	MRN1404	TRANSISTOR	1	
QR2006	MRN1404	TRANSISTOR	1	
QR3001	MRN2402	TRANSISTOR	1	
QR3007	MRN1403	TRANSISTOR	1	
QR4001	MRN1404	TRANSISTOR	1	
QR4102	MRN1404	TRANSISTOR	1	
QR4103	DTC363EK	TRANSISTOR-RESISTOR	1	
QR6006	UN2216	TRANSISTOR-RESISTOR	1	
QR6201,02	MRN1404	TRANSISTOR	2	
QR6601	UN2119	TRANSISTOR-RESISTOR	1	
QR6602	MRN2404	TRANSISTOR	1	
QR6603-05	MRN1403	TRANSISTOR	3	
QR6606,07	MRN2404	TRANSISTOR	2	
QR7401	MRN1402	TRANSISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
		RESISTORS		
R2003	ERJ6GMYG392	M.RESISTOR CH 1/10W 3.9K	1	
R2004	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2005	ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	1	
R2006-08	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	3	
R2009,10	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	2	
R2011	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R2012,13	ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	2	
R2021,22	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	2	
R2023	ERDS2TJ391	C.RESISTOR 1/4W 390	1	
R2024	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2026	ERJ6GMYG513	M.RESISTOR CH 1/10W 51K	1	
R2027	ERJ6GMYJ824	M.RESISTOR CH 1/10W 820K	1	
R2030	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R2032	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2033	ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R2034	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R2102	ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R2103,04	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	2	
R2108	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2215	ERJ6GMYG512	M.RESISTOR CH 1/10W 5.1K	1	
R2217	ERJ6GMYG622	M.RESISTOR CH 1/10W 6.2K	1	
R2218	ERJ6GMYG752	M.RESISTOR CH 1/10W 7.5K	1	
R2219	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2220-22	ERDS2TJ330	C.RESISTOR 1/4W 33	3	
R2223	ERJ6GMYJ330	M.RESISTOR CH 1/10W 33	1	
R2224	ERX12SJR47	RESISTOR 0.47	1	
R2301,02	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	2	
R2303	ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M	1	
R2307	ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M	1	
R2312	ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R3002	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R3003	ERJ6GMYJ750	M.RESISTOR CH 1/10W 75	1	
R3004	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R3012	ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R3013	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R3014	ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R3015	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0	1	
R3016	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3201,02	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	2	
R3203	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0	1	
R3204,05	ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	2	
R3207,08	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	2	
R3211	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R3212	ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R3213	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3215	ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3216	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3217	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R3219	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R3223	ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R4002	ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R4003	ERJ6GMYG223	M.RESISTOR CH 1/10W 22K	1	
R4004	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4006	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4007	ERJ6GMYG221	M.RESISTOR CH 1/10W 220	1	
R4008	ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R4010	ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K	1	
R4011	ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R4012	ERJ6GMYJ331	M.RESISTOR CH 1/10W 330	1	
R4013	ERJ6GMYJ394	M.RESISTOR CH 1/10W 390K	1	
R4014	ERJ6GMYG822	M.RESISTOR CH 1/10W 8.2K	1	
R4015	ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K	1	
R4016	ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M	1	
R4017	ERJ6GMYG302	M.RESISTOR CH 1/10W 3K	1	
R4018	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R4019	ERJ6GMYG513	M.RESISTOR CH 1/10W 51K	1	
R4020	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4023	ERJ6GMYG473	M.RESISTOR CH 1/10W 47K	1	
R4024,25	ERJ6GMYG104	M.RESISTOR CH 1/10W 100K	2	
R4026	ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	1	
R4027	ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K	1	
R4028	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R4038	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4042	ERJ6GMYJ681	M.RESISTOR CH 1/10W 680	1	
R4044	ERJ6GMYG103	M.RESISTOR CH 1/10W 10K	1	
R4049	ERJ6GMYJ470	M.RESISTOR CH 1/10W 47	1	
R4053	ERJ6GMYJ331	M.RESISTOR CH 1/10W 330	1	
R4101	ERJ6GMYJ100	M.RESISTOR CH 1/10W 10	1	
R4102	ERJ6GMYG332	M.RESISTOR CH 1/10W 3.3K	1	
R4103	ERJ6GMYG622	M.RESISTOR CH 1/10W 6.2K	1	
R4104	ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R4106	ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R6001	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R6003,04	ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	2	
R6005	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R6006,07	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	2	
R6008-11	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	4	
R6012-15	ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	4	
R6016,17	ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	2	
R6018	ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R6019	ERJ6GMYJ391	M.RESISTOR CH 1/10W 390	1	
R6022	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R6023	ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R6024,25	ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	2	
R6026,27	ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	2	
R6032	ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R6036	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R6037	ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R6038	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R6039	ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R6052	ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R6053	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R6054	ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R6056	ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R6057	ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K	1	
R6061	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R6062	ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K	1	
R6063	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R6064	ERJ6GMYJ184	M.RESISTOR CH 1/10W 180K	1	
R6065	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R6066	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R6101	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R6102	ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R6103,04	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	2	
R6201	ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R6202	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R6203	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R6204	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R6205	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R6502	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R6601	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R6602	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R6605	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R6606	ERJ6GMYJ131	M.RESISTOR CH 1/10W 130	1	
R6607	ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R6608	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R6609	ERG3SJ220	M.RESISTOR 3W 22	1	
R6610	ERJ6GMYJ201	M.RESISTOR CH 1/10W 200	1	
R6611	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R6612	ERD2FCVG220	C.RESISTOR 2W 22	1	
R6613	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R6614	ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K	1	
R6615	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R6616	ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R6617	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R6618	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R6623	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R7401	ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R7402	ERJ6GMYJ181	M.RESISTOR CH 1/10W 180	1	
T4001	EIQ7QF014Q	TRANSFORMER	1	
VR2001	EVNDXAA00B54	V.RESISTOR 50K	1	
VR3012	EVNDXAA00B52	V.RESISTOR 500	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
VR4002	EVNDKAA00B25	V.RESISTOR 200K	1	
		CRYSTAL OSCILLATORS		
X6101	V SX0383	CRYSTAL OSCILLATOR	1	
X7401	V SQ0565	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VWJ0532B	FLAT CARD (CABLE)	1	
	VJF0974	FLAT CARD CRIP	1	
	VWJ0528B	FLAT CARD (CABLE)	1	P1001-P1101
	VWJ0529A	FLAT CARD (CABLE)	1	P2001-P201
	VWJ0530B	FLAT CARD (CABLE)	1	P2002-PO06
	VWJ0533A	FLAT CARD (CABLE)	1	P6001-P1504
	■ VEPO3883C	INPUT/OUTPUT PACK C.B.A.		(NLA)
		CAPACITORS		
C3101	ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C3102	ECEA1CK470	E.CAPACITOR 16V 47U	1	
C3103,04	ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	2	
C3105	ECEA1CK100	E.CAPACITOR 16V 10U	1	
C3901,02	ECEA1CK330	E.CAPACITOR 16V 33U	2	
C3903	ECEA1HK010	E.CAPACITOR 50V 1U	1	
C3904-06	ECEA1CK470	E.CAPACITOR 16V 47U	3	
C3907,08	ECEA1HK2R2	E.CAPACITOR 50V 2.2U	2	
C3909	ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C3911	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	
C3912	ECUM1H471KEN	C.CAPACITOR CH 50V 470P	1	
		DIODES		
D3101	1SS254	DIODE	1	
D3102	MA29W	DIODE	1	
D3901,02	1SS254	DIODE	2	
		FILTER		
FL3101	VLF0929	FILTER	1	
		ICS		
IC3101	BA7004	IC	1	
IC3901	LA7150	IC	1	
		CONNECTOR		
JK3906	VJS1469	CONNECTOR (FEMALE)	1	
		RESISTORS		
K3901,02	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0	2	
K3916,17	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0	2	
K3919,20	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0	2	
		COILS		
L3101	ELESQ101KA	COIL 100UH	1	
L3901	ELESQ2R7K	COIL 2.7UH	1	
L3902	ELESQ1R0KA	COIL 1UH	1	
		CONNECTORS		
PS3901	VJS3042F011W	CONNECTOR (FEMALE)	1	
PS3902	VJS3042B012W	CONNECTOR (FEMALE)	1	
		TRANSISTOR		
Q3101	2SC3311	TRANSISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
		RESISTORS		
R3101	ERJ6QMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3102	ERJ6QMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3103	ERJ6QMYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R3104	ERJ6QMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3105	ERJ6QMYJ561	M.RESISTOR CH 1/10W 560	1	
R3901	ERJ6QMYJ750	M.RESISTOR CH 1/10W 75	1	
R3902	ERDS2TJ750	C.RESISTOR 1/4W 75	1	
R3903,04	ERJ6QMYJ242W	M.RESISTOR CH 1/10W 2.4K	2	
R3905	ERJ6QMZ0R00	M.RESISTOR CH 1/10W 0	1	
R3906	ERJ6QMYJ273	M.RESISTOR CH 1/10W 27K	1	
R3907,08	ERJ6QMYJ750	M.RESISTOR CH 1/10W 75	2	
R3909	ERJ6QMYJ223	M.RESISTOR CH 1/10W 22K	1	
R3910	ERJ6QMYJ622	M.RESISTOR CH 1/10W 6.2K	1	
SW3901	VSS0225	SWITCH	1	
X3101	V SX0099	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VEJ1164	REAR JACK PLATE	1	
	■ VEPO3857L	LUMINANCE & CHROMINANCE C.B.A.		(NLA) NV-J40E1
		CAPACITORS		
C301	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
C302	ECEA1CK100	E.CAPACITOR 16V 10U	1	
C303	ECUM1H1042FN	C.CAPACITOR CH 50V 0.1U	1	
C304,05	ECEA1CK100	E.CAPACITOR 16V 10U	2	
C306	EQV1H104J2	P.CAPACITOR 50V 0.1U	1	
C307,08	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	2	
C309	EQV1H334J2	P.CAPACITOR 50V 0.33U	1	
C310	ECEA1HKR47	E.CAPACITOR 50V 4.7U	1	
C311	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C312	ECEA1CK100	E.CAPACITOR 16V 10U	1	
C313	ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C314	ECEA1CK100	E.CAPACITOR 16V 10U	1	
C315	ECEA1EKN4R7	E.CAPACITOR 25V 4.7U	1	
C316	ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C317	ECUM1H1042FN	C.CAPACITOR CH 50V 0.1U	1	
C318	ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C319	ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C321	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
C324	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
C325	ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C801	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C802	ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C803	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C804,05	ECEA0JK101	E.CAPACITOR 6.3V 100U	2	
C829	ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C831	ECEA1HKR47	E.CAPACITOR 50V 4.7U	1	
C832	ECUM1H123KBN	C.CAPACITOR CH 50V 0.012U	1	
C833	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
C835	ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C836,37	ECUM1H1042FN	C.CAPACITOR CH 50V 0.1U	2	
C838	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
C844	ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C845	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
		DIODES		
D301	MA4091	DIODE	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC301	MSM6965-3RS	IC	1	
IC302	VEFH14D	IC	1	
		RESISTORS		
K301.02	ERJ6GM20R00	M.RESISTOR CH 1/10W	0 2	
K312.13	ERJ6GM20R00	M.RESISTOR CH 1/10W	0 2	
K315	ERJ6GM20R00	M.RESISTOR CH 1/10W	0 1	
K801.02	ERJ6GM20R00	M.RESISTOR CH 1/10W	0 2	
K804.05	ERJ6GM20R00	M.RESISTOR CH 1/10W	0 2	
K809	ERJ6GM20R00	M.RESISTOR CH 1/10W	0 1	
		COILS		
L301-04	ELESQ101KA	COIL 100UH	4	
L305	ELESP560KA	COIL 56UH	1	
L801	ELESP560JA	COIL 56UH	1	
L802	ELESP270KA	COIL 27UH	1	
L803	ELESQ101KA	COIL 100UH	1	
L804	VLQ0188K150	COIL 15UH	1	
L810-12	ELESQ101KA	COIL 100UH	3	
		TRANSISTORS		
Q301	MSC2295	TRANSISTOR	1	
Q803	MSD601	TRANSISTOR	1	
Q805	MSD601	TRANSISTOR	1	
		COMBINATION PARTS		
QR304	MRN1403	TRANSISTOR	1	
QR803	IMH6	TRANSISTOR	1	
		RESISTORS		
R301	ERDS2TJ151	C.RESISTOR 1/4W 150	1	
R302	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R303	ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R304	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R305	ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R306	ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R307	ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R310.11	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	2	
R313	ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R316	ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R321	ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R801	ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R802	ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R803	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R804	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R817	ERJ6GMYJ271	M.RESISTOR CH 1/10W 270	1	
R819	ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R832	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R833	ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R834	ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K	1	
R835	ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R836	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R838	ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K	1	
R840	ERJ6GMYJ681	M.RESISTOR CH 1/10W 680	1	
R841	ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R843-45	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	3	
R846	ERJ6GMYJ391	M.RESISTOR CH 1/10W 390	1	
R849	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0	1	
		VARIABLE RESISTOR		
VR301	EVTF6SA00B23	V.RESISTOR 2K	1	
		CRYSTAL OSCILLATOR		
X801	VSX0129	CRYSTAL OSCILLATOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
		VEPO2375A		(NLA)
		CYLINDER DRIVE C.B.A.		
		CAPACITORS		
C201	ECEA1CKL00	E.CAPACITOR 16V 10U	1	
C203	ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C204-06	ECEA1HK0R1	E.CAPACITOR 50V 0.1U	3	
C207	ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C208-10	ECEA1VK0R7	E.CAPACITOR 35V 4.7U	3	
C211	ECQV1H473JZ	P.CAPACITOR 50V 0.047U	1	
C212	ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C213	ECEA1CKL00	E.CAPACITOR 16V 10U	1	
		IC		
IC201	NA3814K	IC	1	
		COIL		
L201	ELESE101K	COIL 100UH	1	
		CONNECTORS		
P201	VJS2330	CONNECTOR (FEMALE)	1	
P202	VJF1250T	CONNECTOR (MALE) 10P	1	
		RESISTORS		
R201	ERDS2TJ122	C.RESISTOR 1/4W 1.2K	1	
R202-04	ERDS2TJ150	C.RESISTOR 1/4W 15	3	
R205	ERDS2TJ1R2	C.RESISTOR 1/4W 1.2	1	
R206	ERDS2TJ1R5	C.RESISTOR 1/4W 1.5	1	
		VEPO5167E		(NLA)
		HEAD AMP C.B.A.		
		CAPACITORS		
CS03	ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
CS05	ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
CS08	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
CS09	ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
CS10	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
CS11	ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
CS12	ECUM1H080DCN	C.CAPACITOR CH 50V 8P	1	
CS13	ECEA1HK010	E.CAPACITOR 50V 1U	1	
CS14	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
CS16.17	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
CS18	ECEA1HK010	E.CAPACITOR 50V 1U	1	
CS19	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
CS20	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
CS21	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
CS22	ECEA1HK010	E.CAPACITOR 50V 1U	1	
CS23	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
CS28	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
CS29	ECEA1CKL00	E.CAPACITOR 16V 10U	1	
CS30	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
CS33	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
CS34	ECEA1CKL00	E.CAPACITOR 16V 10U	1	
CS36	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0	1	
CS37	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
CS40	ECEA1CKL00	E.CAPACITOR 16V 10U	1	
CS41	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
CS42.43	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
		DIODES		
D6701	PN323B	DIODE	1	
D7501	MA4220H	DIODE	1	
D7504	MA221	DIODE	1	
D7508	MA221	DIODE	1	
D7510	MA221	DIODE	1	
D7518	MA221	DIODE	1	
D7521, 22	MA221	DIODE	2	
D7525	MA221	DIODE	1	
D7528	MA221	DIODE	1	
D7539, 40	MA221	DIODE	2	
D7544-47	MA221	DIODE	4	
D7553	LN38GCP1V	DIODE	1	
D7555	LN38GCP1V	DIODE	1	
		DISPLAY TUBE		
DP7501	VSL0239	DISPLAY TUBE	1	
		ICS		
IC6701	UPC2800GR	IC	1	
IC7501	MN187164VSTX	IC	1	
IC7502	M6M80021P	IC	1	
IC7503	MN1280L	IC	1	
IC7504	MN1280S	IC	1	(S)
IC7505	M66006FP	IC	1	
		RESISTORS		
K5, K6	ERJ6GMZ0R00	M.RESISTOR CH 1/10W	0	2
K8	ERJ6GMZ0R00	M.RESISTOR CH 1/10W	0	1
K10	ERJ6GMZ0R00	M.RESISTOR CH 1/10W	0	1
K19, 20	ERJ6GMZ0R00	M.RESISTOR CH 1/10W	0	2
K22	ERJ6GMZ0R00	M.RESISTOR CH 1/10W	0	1
K25	ERJ6GMZ0R00	M.RESISTOR CH 1/10W	0	1
K31-33	ERJ6GMZ0R00	M.RESISTOR CH 1/10W	0	3
K36	ERJ6GMZ0R00	M.RESISTOR CH 1/10W	0	1
		COIL		
L7501	HELESE151KA	COIL 150UH	1	
		CONNECTORS		
P7501	VJS1686	CONNECTOR (FEMALE)	1	
P7502	VJS1690	CONNECTOR (FEMALE)	1	
		CONNECTOR		
PP7503	VJP3084A005	CONNECTOR (MALE)	1	
		COMBINATION PARTS		
QR7501	MRN1404	TRANSISTOR	1	
QR7502	MRN2404	TRANSISTOR	1	
QR7503	UN2216	TRANSISTOR	1	
		RESISTORS		
R6701	ERJ6ENF1363	M.RESISTOR	1	
R7501	ERJ6GMJ122	M.RESISTOR CH 1/10W 1.2K	1	
R7502	ERJ6GMJ224	M.RESISTOR CH 1/10W 220K	1	
R7503	ERJ6GMJ221	M.RESISTOR CH 1/10W 220	1	
R7504	ERJ6GMJ101	M.RESISTOR CH 1/10W 100	1	
R7505	ERJ6GMJ104	M.RESISTOR CH 1/10W 100K	1	
R7508-10	ERJ6GMJ103	M.RESISTOR CH 1/10W 10K	3	
R7511, 12	ERJ6GMJ332	M.RESISTOR CH 1/10W 3.3K	2	
R7515	ERJ6GMJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7518, 19	ERJ6GMJ221	M.RESISTOR CH 1/10W 220	2	
R7520	ERJ6GMJ102	M.RESISTOR CH 1/10W 1K	1	
R7523-26	ERJ6GMJ332	M.RESISTOR CH 1/10W 3.3K	4	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R7528	ERJ6GMJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7534	ERJ6GMJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7549	ERJ6GMJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7560	ERJ6GMJ181	M.RESISTOR CH 1/10W 180	1	
R7564	ERJ6GMJ181	M.RESISTOR CH 1/10W 180	1	
R7568	ERJ6GMJ102	M.RESISTOR CH 1/10W 1K	1	
R7570	ERJ6GMJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7572	ERJ6GMJ473	M.RESISTOR CH 1/10W 47K	1	
R7573	ERJ6GMJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7575-78	ERJ6GMJ332	M.RESISTOR CH 1/10W 3.3K	4	
R7580	ERJ6GMJ683	M.RESISTOR CH 1/10W 68K	1	
R7581, 82	ERJ6GMJ2R2	M.RESISTOR CH 1/10W 2.2	2	
R7586	ERJ6GMJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7587, 88	ERJ6GMJ102	M.RESISTOR CH 1/10W 1K	2	
		SWITCHES		
SW7501	ESD170306	SWITCH	1	
SW7504-08	EVQ11407K	SWITCH	5	
SW7511	EVQ11407K	SWITCH	1	
SW7513	EVQ11407K	SWITCH	1	
SW7515-26	EVQ11407K	SWITCH	12	
SW7532, 33	EVQ11407K	SWITCH	2	
		VARIABLE RESISTOR		
VR7501	EVUJ16E04B24	V.RESISTOR 20K	1	
		CRYSTAL OSCILLATORS		
X7501	VSX00140	CRYSTAL OSCILLATOR	1	
X7502	VSX0094C	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VJF0934	FIP HOLDER	1	
	VJF0935	LED HOLDER	1	
	VGS5531	SW KNOB	1	
	VSC3230	SHIELD CASE (TOP)	1	(FOR IR RECIVER UNIT)
	VSC3231	SHIELD CASE (BOTTOM)	1	(FOR IR RECIVER UNIT)
		VEPO7637K	TIMER C.B.A.	(NLA) NV-J40E1
		CAPACITORS		
C6701	ECUM1E333KEN	C.CAPACITOR CH 25V 0.033U	1	
C6702	ECUM1H1042FN	C.CAPACITOR CH 50V 0.1U	1	
C6703	ECEAOJK470	E.CAPACITOR 6.3V 47U	1	
C7501	ECRHA030E41	TRIMMER 3P	1	
C7502	ECUM1H080DCN	C.CAPACITOR CH 50V 8P	1	
C7503	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C7504	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C7506	ECUM1H1042FN	C.CAPACITOR CH 50V 0.1U	1	
C7507	ECEA1HKS22	E.CAPACITOR 50V 0.22U	1	
C7510	ECEAOJK5470	E.CAPACITOR 6.3V 47U	1	
C7511	ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C7512	ECUM1H1042FN	C.CAPACITOR CH 50V 0.1U	1	
C7513	ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C7520-24	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	5	
C7525	ECUM1H821KBN	C.CAPACITOR CH 50V 820P	1	
C7526	ECEAOJK5470	E.CAPACITOR 6.3V 47U	1	
		DIODES		
D6701	PN323B	DIODE	1	
D7501	MA4220H	DIODE	1	
D7504	MA221	DIODE	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
D7508	MA221	DIODE	1	
D7510	MA221	DIODE	1	
D7518	MA221	DIODE	1	
D7521, 22	MA221	DIODE	2	
D7525	MA221	DIODE	1	
D7539, 40	MA221	DIODE	2	
D7544-47	MA221	DIODE	4	
D7553	LN38GCP1V	DIODE	1	
		DISPLAY TUBE		
DP7501	VSL0239	DISPLAY TUBE	1	
		ICs		
IC6701	UPC2800GR	IC	1	
IC7501	MN187164VSTX	IC	1	
IC7502	M6M80021P	IC	1	
IC7503	MN1280L	IC	1	
IC7504	MN1280S	IC	1 (S)	
IC7505	M66006FP	IC	1	
		RESISTORS		
K5, K6	ERJ6GM20R00	M. RESISTOR CH 1/10W	0 2	
K8	ERJ6GM20R00	M. RESISTOR CH 1/10W	0 1	
K19, 20	ERJ6GM20R00	M. RESISTOR CH 1/10W	0 2	
K36	ERJ6GM20R00	M. RESISTOR CH 1/10W	0 1	
		COIL		
L7501	ELESE151KA	COIL 150UH	1	
		CONNECTORS		
P7501	VJS1686	CONNECTOR (FEMALE)	1	
P7502	VJS1690	CONNECTOR (FEMALE)	1	
		CONNECTOR		
PP7503	VJP3084A005	CONNECTOR (MALE)	1	
		TRANSISTOR		
QR7501	MRN1404	TRANSISTOR	1	
		RESISTORS		
R6701	ERJ6ENF1363	M. RESISTOR	1	
R7501	ERJ6GMJ122	M. RESISTOR CH 1/10W 1.2K	1	
R7502	ERJ6GMJ224	M. RESISTOR CH 1/10W 220K	1	
R7503	ERJ6GMJ221	M. RESISTOR CH 1/10W 220	1	
R7504	ERJ6GMJ101	M. RESISTOR CH 1/10W 100	1	
R7505	ERJ6GMJ104	M. RESISTOR CH 1/10W 100K	1	
R7508-10	ERJ6GMJ103	M. RESISTOR CH 1/10W 10K	3	
R7511, 12	ERJ6GMJ332	M. RESISTOR CH 1/10W 3.3K	2	
R7515	ERJ6GMJ332	M. RESISTOR CH 1/10W 3.3K	1	
R7518, 19	ERJ6GMJ221	M. RESISTOR CH 1/10W 220	2	
R7520	ERJ6GMJ102	M. RESISTOR CH 1/10W 1K	1	
R7523-26	ERJ6GMJ332	M. RESISTOR CH 1/10W 3.3K	4	
R7528	ERJ6GMJ332	M. RESISTOR CH 1/10W 3.3K	1	
R7534	ERJ6GMJ332	M. RESISTOR CH 1/10W 3.3K	1	
R7549	ERJ6GMJ332	M. RESISTOR CH 1/10W 3.3K	1	
R7560	ERJ6GMJ181	M. RESISTOR CH 1/10W 180	1	
R7568	ERJ6GMJ102	M. RESISTOR CH 1/10W 1K	1	
R7570	ERJ6GMJ332	M. RESISTOR CH 1/10W 3.3K	1	
R7572	ERJ6GMJ473	M. RESISTOR CH 1/10W 47K	1	
R7573	ERJ6GMJ332	M. RESISTOR CH 1/10W 3.3K	1	
R7575-78	ERJ6GMJ332	M. RESISTOR CH 1/10W 3.3K	4	
R7580	ERJ6GMJ683	M. RESISTOR CH 1/10W 68K	1	
R7581, 82	ERJ6GMK2R2	M. RESISTOR CH 1/10W 2.2	2	
R7586	ERJ6GMJ332	M. RESISTOR CH 1/10W 3.3K	1	
R7587, 88	ERJ6GMJ102	M. RESISTOR CH 1/10W 1K	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
		SWITCHES		
SW7501	ESD170306	SWITCH	1	
SW7504-08	EVQ11407K	SWITCH	5	
SW7511	EVQ11407K	SWITCH	1	
SW7513	EVQ11407K	SWITCH	1	
SW7515	EVQ11407K	SWITCH	1	
SW7517-26	EVQ11407K	SWITCH	10	
SW7532, 33	EVQ11407K	SWITCH	2	
		VARIABLE RESISTOR		
VR7501	EVUJ16E04B24	V. RESISTOR 20K	1	
		CRYSTAL OSCILLATORS		
X7501	VSK0140	CRYSTAL OSCILLATOR	1	
X7502	VSK0094C	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VJF0934	FIP HOLDER	1	
	VJF0935	LED HOLDER	1	
	VGU5531	SW KNOB	1	
	VSC3230	SHIELD CASE (TOP)	1 (FOR IR RECIVER UNIT)	
	VSC3231	SHIELD CASE (BOTTOM)	1 (FOR IR RECIVER UNIT)	
		VEPOOR31A	OPERATION C.B.A.	(NLA)
		DIODES		
D4351	LN28RPX2A12	DIODE	1	
		CONNECTORS		
PP4352	VJP3084A005	CONNECTOR (MALE)	1	
		RESISTORS		
R4354	ERJ6GMJ181	M. RESISTOR CH 1/10W 180	1	
		SWITCH		
SW4351	EVQ11407K	SWITCH	1	
		MISCELLANEOUS		
	VMC2030	LED SPACER	1	
		VEPO7643A	TV DEMODULATOR C.B.A.	(NLA)
		CAPACITORS		
C701	ECEA1EK4R7	E. CAPACITOR 25V 4.7U	1	
C702	ECEA1CKS100	E. CAPACITOR 16V 10U	1	
C703	ECEA1HKR2	E. CAPACITOR 50V 2.2U	1	
C707	ECEA1HKR1	E. CAPACITOR 50V 0.1U	1	
C708	ECEA1CKS100	E. CAPACITOR 16V 10U	1	
C710	ECUM1H1032FN	C. CAPACITOR CH 50V 0.01U	1	
C717-20	ECUM1H1032FN	C. CAPACITOR CH 50V 0.01U	4	
C721	ECEA1HKR27K	E. CAPACITOR 50V 0.27U	1	
C722	ECUM1H1032FN	C. CAPACITOR CH 50V 0.01U	1	
C723	ECUM1H180JCN	C. CAPACITOR CH 50V 18P	1	
C725	ECQV1H104J2	F. CAPACITOR 50V 0.1U	1	
C727	ECUM1H080DCN	C. CAPACITOR CH 50V 80P	1	
C728	ECUM1H1032FN	C. CAPACITOR CH 50V 0.01U	1	
C730	ECEA1CK100	E. CAPACITOR 16V 10U	1	
C731	ECEA1CKS100	E. CAPACITOR 16V 10U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C732	ECQV1H224B0	E.CAPACITOR 50V 220P	1	
C734	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
C735	ECUM1H070DCN	C.CAPACITOR CH 50V 7P	1	
C736	ECQB1H103JH	P.CAPACITOR 50V 0.01U	1	
C737	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C739	ECEA1HK010	E.CAPACITOR 50V 1U	1	
C740	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
C741	ECEA1CK100	E.CAPACITOR 16V 10U	1	
C742	ECUM1H030CCN	C.CAPACITOR CH 50V 3P	1	
C743	ECUM1H270R5N	C.CAPACITOR CH 50V 27P	1	
C744	ECEA1HQR47	E.CAPACITOR 50V 0.47U	1	
C745	ECUM1H580JFN	C.CAPACITOR CH 50V 68P	1	
C746	ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C748	ECEA1CK470	E.CAPACITOR 16V 47U	1	
C749	ECEA1CK100	E.CAPACITOR 16V 10U	1	
C760	ECQV1H473J2	P.CAPACITOR 50V 0.047U	1	
C781	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C782	ECUM1H060DCN	C.CAPACITOR CH 50V 6P	1	
C790	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
C797.98	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	2	
C7651	ECEA1CK0100	E.CAPACITOR 16V 10U	1	
C7653	ECQB1H332JH	P.CAPACITOR 50V 0.27U	1	
C7668	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
C7685	ECEA1HK010	E.CAPACITOR 50V 1U	1	
		DIODES		
D710	MA3100L	DIODE	1	
D771	MA1514K	DIODE	1	
D772	MA165VT	DIODE	1	(VT)
D7672.73	MA3150H	DIODE	2	
		IC		
IC701	M51366SP	IC	1	
		COILS		
L701	ELESQ680KA	COIL 68UH	1	
L711	ELQTR22XB	COIL 0.22UH	1	
L714	VLQ0305J1R2	COIL 1.2UH	1	
L715	VLQ0213K680	COIL 68UH	1	
L716	ELESP560KA	COIL 56UH	1	
L717.18	ELESQ680KA	COIL 68UH	2	
L719	ELESP120KA	COIL 12UH	1	
L781	ELESQ680KA	COIL 68UH	1	
		CONNECTORS		
PS701-03	VJS3043B005W	CONNECTOR (FEMALE)	3	
PS704	VJS3043B006W	CONNECTOR (FEMALE)	1	
		TRANSISTORS		
Q703	2SD601-S	TRANSISTOR	1	(S,T)
Q712	2SD1992	TRANSISTOR	1	
Q713	2SD1328-S	TRANSISTOR	1	
Q771	2SD601-S	TRANSISTOR CHIP	1	(S,T)
		COMBINATION PARTS		
QR701.02	MRN1404	TRANSISTOR	2	
QR711.12	MRN1403	TRANSISTOR	2	
QR714	MRN1402	TRANSISTOR	1	
		RESISTORS		
R716	ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R717	ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R718	ERJ6GEYJ754	M.RESISTOR CH 1/10W 750K	1	
R719.20	ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	2	
R721	ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R722	ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R723	ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R724	ERDS2TJ101	C.RESISTOR 1/4W 100	1	
R725	ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R726	ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R727	ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R728	ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R729.30	ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	2	
R737	ERJ6GEYJ274	M.RESISTOR CH 1/10W 270K	1	
R738	ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R739	ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R740	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R741	ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R743	ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R744	ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R745	ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R746	ERDS2TJ181	C.RESISTOR 1/4W 180	1	
R747	ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R750	ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R757	ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R759	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R763	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R764	ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R772	ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R773	ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R774	ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R781	ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R782	ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R792	ERDS2TJ120	C.RESISTOR 1/4W 12	1	
R795	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R7656	ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R7676	ERG1SJ152	M.RESISTOR 1W 1.5K	1	
		TRANSFORMERS		
T703	EIV5EC013A	TRANSFORMER	1	
T704	EIV5EC006A1	TRANSFORMER	1	
T711	EIS5EC004A	TRANSFORMER	1	
		VARIABLE RESISTORS		
VR701.02	EVTF6SA00B23	V.RESISTOR 2K	2	
VR741	EVNDXAA00B14	V.RESISTOR 10K	1	
VR751	EVNDXAA00B53	V.RESISTOR 5K	1	
		CRYSTAL OSCILLATORS		
X710	EFGH38MGP1	CRYSTAL OSCILLATOR	1	
X711	VLF0638	CRYSTAL OSCILLATOR	1	
X712	EFC55R5MS5	FILTER	1	
X716.17	EFC440R40M1	FILTER	2	
		MISCELLANEOUS		
	ENV57851H6	TUNER	1	
	VSC3242	SHIELD CASE (MAIN)	1	
	VSC3241	SHIELD CASE (TOP)	1	
	VSC2714	SHIELD CASE (BOTTOM)	1	
	VMO0727	EARTH SPRING	1	
		VEP01469C	POWER C.B.A.	(NLA)(<> NV-J40EI
		CAPACITORS		
C1101	VCC0021	C.CAPACITOR V	1	
C1106	VCC0021	C.CAPACITOR V	1	
C1107	ECQU2A154MNB	P.CAPACITOR 100V 0.15U	1	
C1108	ECQU2A104MN	P.CAPACITOR 100V 0.01U	1	
C1109	ECES2WU680B	.CAPACITOR V	1	
C1110	ECEA2GG010	E.CAPACITOR 400V 1U	1	
C1111	ECQB1H682JF	E.CAPACITOR 50V 6800P	1	
C1114	VCC0022	C.CAPACITOR 1000P	1	
C1115	ECQE6473B	P.CAPACITOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
D1110	RL22	DIODE	1		P1507	VJS3049B004T	CONNECTOR (FEMALE)	1	
D1111	MA2160B	DIODE	1		P1512	VJS3070T	CONNECTOR (FEMALE)	1	
D1112	MA185	DIODE	1						
D1113,14	11EQS04	DIODE	2				DIODE		
D1115	MA4130L	DIODE	1		Q1501	PN150NV5	DIODE	1	
		ICS							
IC1101	STRD6108	IC	1						
IC1102	SE014N	IC	1				MISCELLANEOUS		
IC1103	VEFH24A	HIC	1			VMD0645	PHOTO Tr. HOLDER	1	
		COILS							
L1101	ELF18D290A	COIL 29UH	1						
L1107	ELF18D221F	COIL	1						
L1108	VLPO085	COIL	1						
L1109	VLQ0410	COIL	1				PHOTO Tr. (T) C.B.A.		(NLA)
		CONNECTORS							
P1101	VJS2625	CONNECTOR (FEMALE)	1				CAPACITORS		
P1102	VJS1683	CONNECTOR (FEMALE)	1		C1502	ECKF1H102KB	C.CAPACITOR 50V 1000P	1	
		TRANSISTORS							
Q1101	2SD1996	TRANSISTOR	1				CONNECTORS		
Q1102	2SD1992A	TRANSISTOR	1		P1503	VJS3049B004T	CONNECTOR (FEMALE)	1	
Q1103	PS2561L1-M	TRANSISTOR	1		P1508	VJS2331	CONNECTOR (FEMALE)	1	
Q1104	2SD1996	TRANSISTOR	1						
		RESISTORS			Q1502	PN150NV5	DIODE	1	
R1101	ERC12AGM334	S.RESISTOR 1/2W 330K	1						
R1102,03	ERDS1TJ563	C.RESISTOR 1/2W 56K	2				RESISTORS		
R1104,05	ERDS2TJ474	C.RESISTOR 1/4W 470K	2		R1503	ERDS2TJ222	C.RESISTOR 1/4W 2.2K	1	
R1106	ERW1PKZ2	RESISTOR 2.2	1						
R1107	ERW1PKR39	W.RESISTOR 1W 0.39	1						
R1108	ERDS2TJ101	C.RESISTOR 1/4W 100	1				MISCELLANEOUS		
R1109	ERG3ANJ683	M.RESISTOR 3W 68K	1			VMD0645	PHOTO Tr. HOLDER	1	
R1110	ERDS2TJ152	C.RESISTOR 1/4W 1.5K	1						
R1111	ERG2SJ560	M.RESISTOR 2W 56	1						
R1112	ERDS2TJ102	C.RESISTOR 1/4W 1K	1						
R1113	ERG2SJ100	M.RESISTOR 2W 10	1						
R1114	ERDS2TJ680	C.RESISTOR 1/4W 68	1						
R1115	ERGLSJ182	M.RESISTOR 1W 1.8K	1						
R1116	ERDS2TJ103	C.RESISTOR 1/4W 10K	1			VXA4463	MECHANISM CONNECTION C.B.A.		(NLA)
R1118	ERDS2TJ562	C.RESISTOR 1/4W 5.6K	1						
R1119	ERDS2TJ102	C.RESISTOR 1/4W 1K	1				MISCELLANEOUS		
R1120	ERG2SJ120	M.RESISTOR 2W 12	1			VJS3071T	CONNECTOR (FEMALE)	1	
						ON2170	PHOTO COUPLER	2	
		TRANSFORMER				VMZ1366	SHEET	1	
T1101	ETE28K61AY	TRANSFORMER	1						
		MISCELLANEOUS							
	VJF0318	FUSE HOLDER	1						
	VMZ1361	CAPACITOR CHUBE	1						
	VEFOOR11A	PHOTO Tr. (S) C.B.A.		(NLA)					
		CAPACITORS							
C1501	ECKF1H102KB	C.CAPACITOR 50V 1000P	1		C6801	ECEA0GKS470	E.CAPACITOR 4V 47U	1	
					C6802	ECUM1E1042FN	C.CAPACITOR CH 25V 0.1U	1	
		RESISTOR			C6803	ECEA1CSN4R7	E.CAPACITOR 16V 4.7U	1	
K1401	ERDS2ED	RESISTOR	1		C6804	ECEA1HKS010	E.CAPACITOR 50V 1U	1	
					C6808,09	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	2	
		CONNECTORS			C6810	ECUM1E1042FN	C.CAPACITOR CH 25V 0.1U	1	
					C6811	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	
					C6812	ECUM1E1542FM	C.CAPACITOR CH 25V 0.15U	1	

4-6. MECHANICAL REPLACEMENT PARTS LIST (VW-VPS5)

Note:1.* Be sure to make your orders of replacement parts according to this list.
2. 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.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VQT3254	OPERATING INSTRUCTIONS	1 (!)	

4-7. ELECTRICAL REPLACEMENT PARTS LIST (VW-VPS5)

Note:1.* Be sure to make your orders of replacement parts according to this list.
2. 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.
3. Unless otherwise specified, All resistors are in OHMS, K=1,000 OHMS. All capacitors are in MICRO-FARADS(uf), P=µuF.
4. The P.C. Board units marked with '■' show below the main assembled parts.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	■ VEP07538E	VPS C.B.A.		(NLA)
CAPACITORS				
C7801	ECQB1H102J	E. CAPACITOR 50V 1000P	1	
C7802	ECQB1H471JZ	F. CAPACITOR 50V 470P	1	
C7803	ECQB1H472JH	F. CAPACITOR 50V 4700P	1	
C7804	ECQV1H104JZ	P. CAPACITOR 50V 0.1U	1	
C7805	ECQB1H472JH	F. CAPACITOR 50V 4700P	1	
C7806	ECQB1H223JH	P. CAPACITOR 50V 0.022U	1	
C7815	VCYE1C104MR	S. CAPACITOR 16V 0.1U	1	
C7816	ECEAOJKA331	E. CAPACITOR 6.3V 330U	1	
C7851	ECQV1H104JZ	P. CAPACITOR 50V 0.1U	1	
C7852	ECEALCK101	E. CAPACITOR 16V 100U	1	
C7853, 54	ECCFLH330JC	C. CAPACITOR 50V 33P	2	
C7855, 56	ECEALHK010	E. CAPACITOR 50V 1U	2	
C7860	ECEAOJK101	E. CAPACITOR 6.3V 100U	1	
DIODE				
D7851	1SS254	DIODE	1	
ICS				
IC7801	SAA4700	IC	1	
IC7851	MN158413VSSY	IC	1	
IC7852	MN1280S	IC	1	(S)
CONNECTOR				
PS1	VJS3043F010W	CONNECTOR	1	
COMBINATION PARTS				
QR7851	UN6211	TRANSISTOR-RESISTOR	1	
QR7852	UN6213	TRANSISTOR-RESISTOR	1	
RESISTORS				
R7801	ERDS2TJ472	C. RESISTOR 1/4W 4.7K	1	
R7802	EROS2CKG7502	M. RESISTOR 1/4W 75K	1	
R7803, 04	ERDS2TJ103	C. RESISTOR 1/4W 10K	2	
R7805	ERDS2TJ473	C. RESISTOR 1/4W 47K	1	
R7806	EROS2CKG8201	M. RESISTOR 1/4W 8.2K	1	
R7851	ERDS2TJ103	C. RESISTOR 1/4W 10K	1	
R7852	ERDS2TJ332	C. RESISTOR 1/4W 3.3K	1	
R7860	ERDS2TJ471	C. RESISTOR 1/4W 470	1	
CRYSTAL OSCILLATOR				
X7851	EFOA4R0M03C2	CRYSTAL OSCILLATOR	1	