Metz

COLOR VIDEO

VHS

31VA13

Technik und Service

Metz APPARATEWERKE · INH. PAUL METZ

RITTERSTRASSE 5 · 8510 FÜRTH/BAY. 2 · POSTFACH 84 · TELEX 06/23421 metz d

METZ-Techn.-Kundendienst
Tel. (0911) 78 33 17

METZ-Kfm.-Kundendienst
Tel. (0911) 78 32 17

METZ-Ersatzteiledienst
Tel. (0911) 78 32 01
Ø (0911) 70 74 75

Technical Information

Subject: How to make easier servicing

We are pleased to inform you how to make easier servicing of NV-G10/G7.

1. How to make easier servicing of a packed circuit

In the case of checking for such a packed circuit as Luminance and Chrominance Pack, Audio Pack, TV Demodulator Pack and so on, you may install them on the other side of the circuit board; the foil side.
At that time, remove the packed circuit board carefully not to damage anything and reinstall on the foil side keeping the relation of each connection correctly.

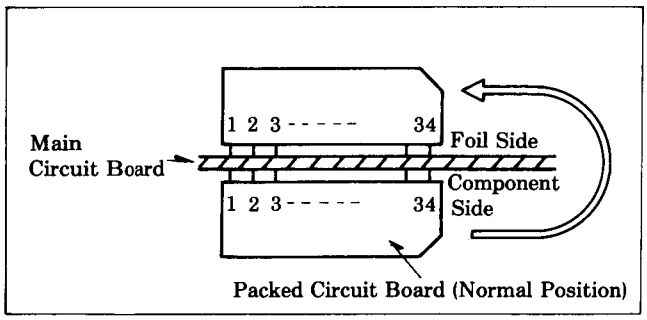


Fig. 1

2. How to remove the Main Circuit Board

In the case of checking for the servo circuit, you can remove the main circuit board from its frame.
At that time unlock the 2 hinges and lift up paying attention not to touch any other portion.

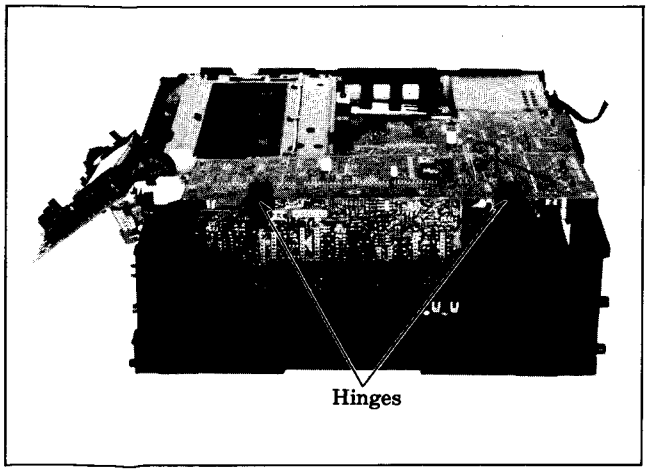


Fig. 2

3. How to remove the FIP Holder

In the case of removal of the FIP Holder (the display tube unit), it might be hard to take out from the Timer & CH Select C.B.A. At that time cut the 2 projections out from the FIP Holder by a nipper or something.
Then remove it carefully.

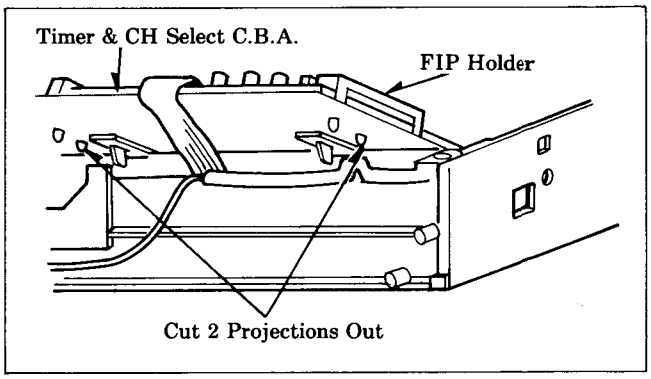


Fig. 3

CONTENTS

REMARKS: NV-G10, G7EG West Germany model only

1. It is possible to receive, record and play back colour broadcasts from East Germany (DDR) on this video recorder.
2. When a video tape that was recorded with a colour TV broadcast from East Germany on this VTR is played back on a SECAM (France) or on a PAL VTR, the picture may be in black and white.
3. When a video tape recorded on a SECAM (France) VTR or a SECAM (France) Pre-recorded video tape is played back on this VTR, the picture is in black and white.

SECTION 1

GENERAL DESCRIPTION

1-1. FEATURES

1. Auto Operation

This VTR automatically turns itself on when a video cassette is inserted even if it was turned off. When the tab of the inserted cassette is broken out, playback will start automatically. Also, even if the VTR is off when the Eject Button is pressed, it automatically turns itself on to eject the cassette tape and it turns itself off again.
When a video cassette tape with a broken out tab is inserted and the VTR is switched over to recording, OTR or timer recording, the cassette tape will be automatically ejected.
When the tape reaches its end (except during OTR and timer recording), it will automatically rewind to the beginning.

2. Super Still, Super Still Advance and Super Fine Slow Playback (NV-G10)

Super Still, Super Still Advance and Super Fine Slow Playback are possible with superb picture quality with minimum noise and jitter.

3. Super OTR Function (One-Touch Timer Recording)

This convenient function makes it possible to easily programme the VTR for recording of TV programmes with immediate start or with start within 24 hours and with the starting time and ending time precisely set to the desired minute. When the recording ends, the VTR will automatically turn itself off.

4. 14-Day, 4-Programme Timer

The built-in timer allows automatic absentee recording of up to 4 TV programmes within 14 days. It is also possible to record a programme which is broadcast at the same time every day.

5. Infra-red Remote Controller (NV-G10, NV-G7B)

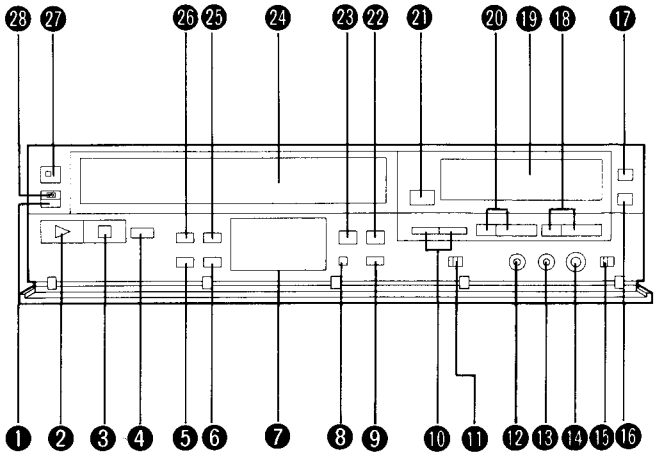
The Infra-red Remote Controller unit allows operation of various functions from the comfort of your favourite viewing position.

6. HQ (High Quality) Picture System

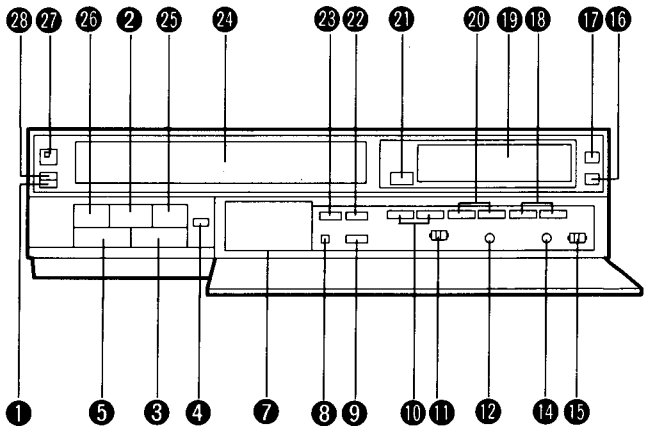
Video recorders carrying the HQ symbol mark feature the new VHS High Quality Picture System. This system assures complete compatibility with VTRs that use the conventional VHS system.

1-2. CONTROLS AND COMPONENTS

TOP AND FRONT



NV-G10



NV-G7

❶ **Eject Button**
Push this button to remove the cassette.

❷ **Play Button with Indicator**
Push this button to play back a recorded tape.

❸ **Stop Button with Indicator**
Push this button to stop the tape.

❹ **Record Button**
Push this button to start the recording.

❺ **Pause/Still Button**
Push this button to temporarily stop the tape during recording in order to avoid recording unwanted material, or to view a paused picture during playback. Push again to release the tape from pause.

⑥ Slow Button (NV-G10)
During normal playback, the Slow-motion playback can be activated by pressing the Slow Button. When the Slow Button is intially pressed the speed will be approximately 1/8 that of normal speed. Push the Play Button to continue the normal playback.

⑦ Tuner preset Controls
Used to tune to any broadcast channel in your area.

⑧ Clock Button
Push this button to adjust the clock.

⑨ VPS/On Off Button (NV-G10, G7EG)
Push this button to not desire VPS-controlled timer recording. Then VPS indication will not appear.

⑩ Channel Selection Up and Down Buttons
Push the desired channel selector buttons to select the channel you wish to view record.

⑪ Input Signal Selector (NV-G10, G7EG/EO)
For selecting the input signal to be recorded.

⑫ Tracking Control

Noise Picture

Tapes recorded on another machine show noisy or a streaky playback, picture, rotate this control slowly in either direction until the picture is clear. The control should normally be kept in the "FIX" position.

⑬ Slow Tracking Control (NV-G10)
When noise bars appear during Super Still, Super Still Advance or Super Fine Slow playback, switch over to slow playback and turn the Slow tracking Control to the clockwise or counter clockwise to reduce the noise bars. Then resume the required mode.
It may not be possible to eliminate the noise bars completely.

⑭ Picture Sharpness Control
The picture sharpness control enables the playback picture to be adjusted so that its outlines are made more sharper or softer.
It has no effect when recording.

⑮ Timer Recording Switch

⑯ Memory/Search Lock Button
When this button is pressed once, the Memory Indicator "M" will light up, and when it is pressed one more time, the Search Lock Indicator "S" will appear instead. When it is pressed a third time the Search Lock Indicator "S" will disappear.

⑰ Reset Button
Push the reset button to reset the Counter of Multi-Function Display to "0000".

⑱ Timer/OTR Off Buttons
Push this button to set the digital clock or OTR ending time.

⑲ Multi-Function Display

⑳ Timer/OTR On Buttons
Push this button to set the digital clock or OTR starting time.

㉑ Infra-red Remote Control Receiver Window
Receives the signal from the Infra-red Remote Control.

㉒ Day Button
Push the Day Button to set the day.

㉓ Programme Button

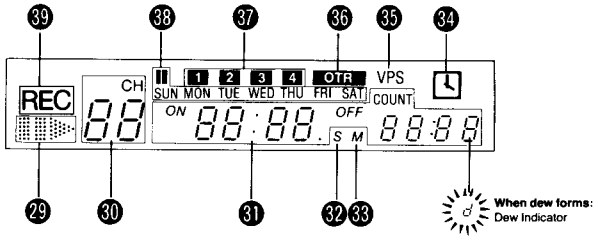
㉔ Cassette Compartment

㉕ Fast Forward/Cue Button
Push this button to fast-forward wind the tape. When this button is pressed during playback, the picture can be scanned will play back at 5 times normal speed.
Cueing will continue as long as the button is depressed.

㉖ Rewind/Review Button
Push this button to rewind the tape.
When this button is pressed during playback, the picture can be scanned in reverse at 5 times normal speed.
Review will continue as long as the button is depressed.

㉗ VTR On/Off Switch with Indicator

㉘ Cassette-in Indicator



㉙ Tape Running Display

㉚ Channel Display

㉛ Clock/Tape Counter Display

㉜ Search Lock Indicator

㉝ Memory Indicator

㉞ Timer Recording Display

㉟ VPS Indicator (NV-G10, G7EG)

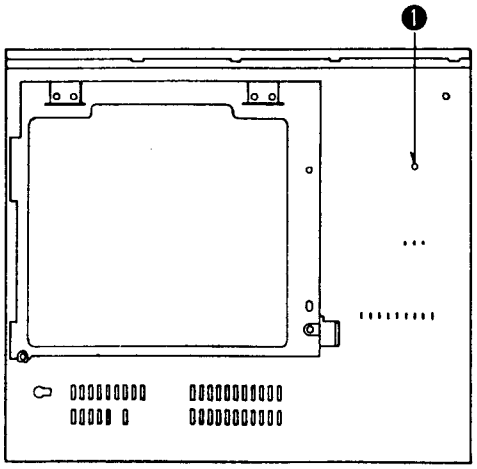
㊱ OTR Indicator

㊲ Timer Recording Number

㊳ Day Indicators

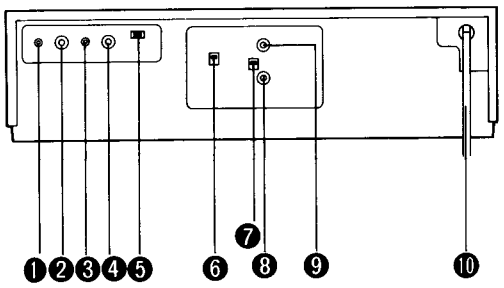
㊴ Recording Indicator

BOTTOM

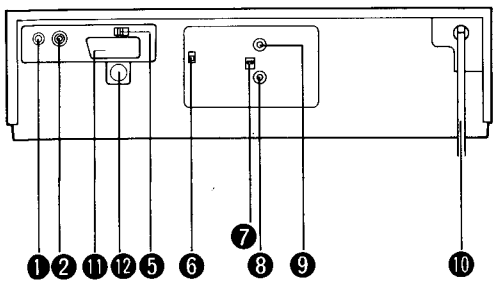


1 V-Lock
If a vertical jitter appears on the TV monitor in Still, Still-Advance or Slow mode, adjust the V-lock control at the best position so that the picture can be stabilized.
Once you adjust this control, no more adjustment is required unless you change the connected TV receiver.

REAR



NV-G10, G7B



NV-G10, G7EG/EO

1 Audio Input Socket
For connecting an audio cable of a video camera, a component audio system or another VTR.

2 Video Input Socket
For connecting the video cable of a video camera or an output video signal of another VTR.

3 Audio Output Socket (NV-G10, G7B)
For connecting an audio cable of a TV monitor, a component audio system, or another VTR.

4 Video Output Socket (NV-G10, G7B)
For connection to a TV monitor or another Video Cassette Recorder. Not used with an ordinary TV.

5 Colour Mode/Test Signal Switch
In the TEST position, a black-and-white test pattern is generated, which allows easy tuning of your TV set to the video playback channel of the VTR. For normal recording and playback operation, this switch must be in the middle AUTO position.
Only if the colour reception of a station is particularily weak, setting this switch to the COLOUR position can improve the recording quality.

6 Picture Detail Enhanser Selector
For recording of TV programmes, this switch can be set to the HIGH position to enhance overall picture crispness and detail as well as to improve the legibility of characters and figures. When the reception signal is weak and when recording (dubbing) from another VTR, this switch must be set to the NORMAL position.
The position of this selector has no influence on the playback.

7 RF Signal Level Switch (NV-G10, G7B/EO)
Used to attenuate the reception of the VHF and/or UHF aerial signals.
If the reception is normal, set to "HIGH". If the signal strong (stripes appear in the upper part of the picture), set to "LOW".

8 RF Input Socket
Connect the external aerial, which is now connected to the TV set, to this socket.

9 RF Output Socket
For connection to the antenna terminal (COAXIAL type) of TV with the DIN-DIN Coaxial Cable supplied with the unit.

10 AC Mains Cord

11 EURO AV Socket (NV-G10, G7EG/EO)
Connect the AV Socket on the VTR to the AV Socket on the TV set.
- The AV Socket allows recording and playback of picture and sound. This connection can be used for TV sets which are also equipped with an AV Socket. Via this socket, TV programmes can be recorded, too. Such a connection improves the picture and sound quality during playback.

12 VPS Socket (NV-G10, G7EG)
Connect a VPS Adaptor (optional) to the VPS Adaptor Socket, if VPS-controlled timer recording is desired.

SECTION 2

ADJUSTMENT PROCEDURES

2-1. MECHANICAL ADJUSTMENT PROCEDURES

The Mechanical Chassis of these models NV-G10, G7 is similar to the D-1 Mechanical Chassis. Therefore please refer to the Service Manual D-1 Chassis (Order No. VRD-8310-490), except the confirmation and adjustment as shown below.

2-1-1. CONFIRMATION OF PRESSING FORCE OF PRESSURE ROLLER

* **Equipment Required:**
  Fan-Type Tension Gauge (VFK66)

* **Specification:** 1350~1950g

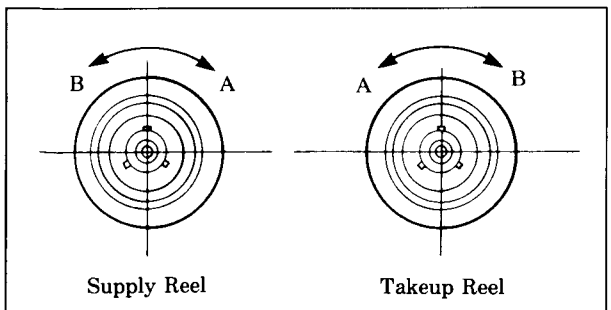
Note:

Procedures are the same as the Service Manual D-1 chassis item 1-1.
Please refer to the Service Manual D-1.
Chassis (Order No. VRD-8310-490)

2-1-2. CONFIRMATION OF BRAKE TORQUE

* **Equipment Required:**
  Torque Gauge (VFK0133)
  Adaptor for Gauge (VFK0134)

* **Specification:**



	A	B
Take-up	more than 400g-cm	95~185g-cm
Supply	more than 400g-cm	70~150g-cm

Fig. 1 Spec. of Brake Torque

Note:

Procedures are the same as the Service Manual D-1 Chassis item 1-4. Please refer to the Service Manual D-1 Chassis (Order No. VRD-8310-490).

2-1-3. CONFIRMATION OF TAKE-UP TORQUE

* **Equipment Required:**
  Dial Gauge (VFK0133)
  Adaptor for Gauge (VFK0134)

* **Specification:**
  PLAY mode .....105~155g-cm
  FF mode .....more than 350g-cm
  REW mode .....more than 350g-cm

Note:

Procedures are the same as the Service Manual D-1 Chassis item 1-5.
Please refer to the Service Manual D-1 chassis (Order No. VRD-8310-490).

2-1-4. ADJUSTMENT OF REVIEW TORQUE

* **Equipment Required:**
  Dial Gauge (VFK0133)
  Adaptor for Gauge (VFK0134)

* **Specification:**
  Review mode .....200±35g-cm

Note:

Adjustment Procedures are the same as the Service Manual D-1 Chassis item 1-6.
Please refer to the Service Manual D-1 chassis (Order No. VRD-8310-490).

2-1-5. ADJUSTMENT OF THRUST GAP

* **Equipment Required:**
  Reel Table Height Gauge (VFK0190)
  Washer (more than 1mm)

* **Specification:** 0.05~0.10mm

Note:

Adjustment Procedures are the same as the Service Manual D-1 Chassis item 1-17.
Please refer to the Service Manual D-1 chassis (Order No. VRD-8310-490).

2-2. DISASSEMBLY METHOD

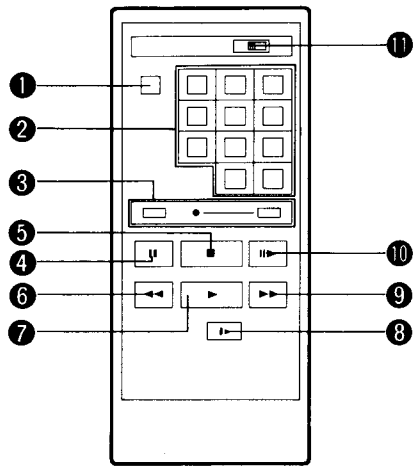
2-2-1. DISASSEMBLY FLOWCHART

This flowchart indicates disassembly items of the cabinet parts and C.B.A. in order to find the items necessary for servicing. When reassembling, perform the steps in the reverse order.

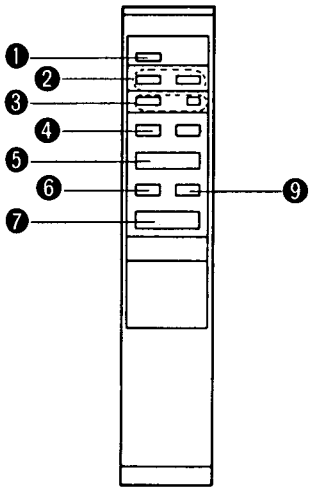
Note:

When removing the Front Panel, work with care not for breaking the locking portions of Panel.

INFRA-RED REMOTE CONTROLLER



NV-G10



NV-G7B

❶ **VTR On/Off Switch**
For turning the VTR on and off.

❷ **Programme Position (Channel) Selector Buttons**

NV-G10	
select channel	press button
1–9	[1]–[9] respective channel
10	[0]
20	[+/-]→[2]→[0]
11–32	
for example 24	[+/-]→[2]→[4]

If more than 5 seconds pass between the first, second and thired push, the channel will not be changed normally.

❸ **Record Buttons (●)**
To start recording, push the both buttons simultaneously.

❹ **Pause/Still Button (❚❚)**

❺ **Stop Button (■)**

❻ **Rewind ◀◀/Review [◀◀] Button**
When this button is kept pushed during playback, the VTR changes over to the Review playback mode.

❼ **Play Button (▶)**

❽ **Slow Button (▶) (NV-G10)**
Push the Slow Button for slow-motion playback at 1/8 of normal speed.
Note:
If the VTR is left in the slow playback mode for more than 10 minutes, the VTR will automatically switch over to the stop mode, to protect the tape and the video heads.
Adjust the Slow Tracking Control if necessary.

❾ **Fast Forward ▶▶/Cue [▶▶] Button**
When this button is kept pushed during playback, the VTR changes over to the Cue playback mode.

❿ **Still Advance Button (❚❚▶) (NV-G10)**

⓫ **Remote Control Switch (NV-G10)**
Set this switch to "On", to use the Remote Controller.

Power Source for the Infra-red Remote Controller

■ The Infra-red Remote Controller is powered by two 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.)

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 window in the VTR is about 40°.
- The unit should be used within a range of about 7 meters from the front of the VTR.

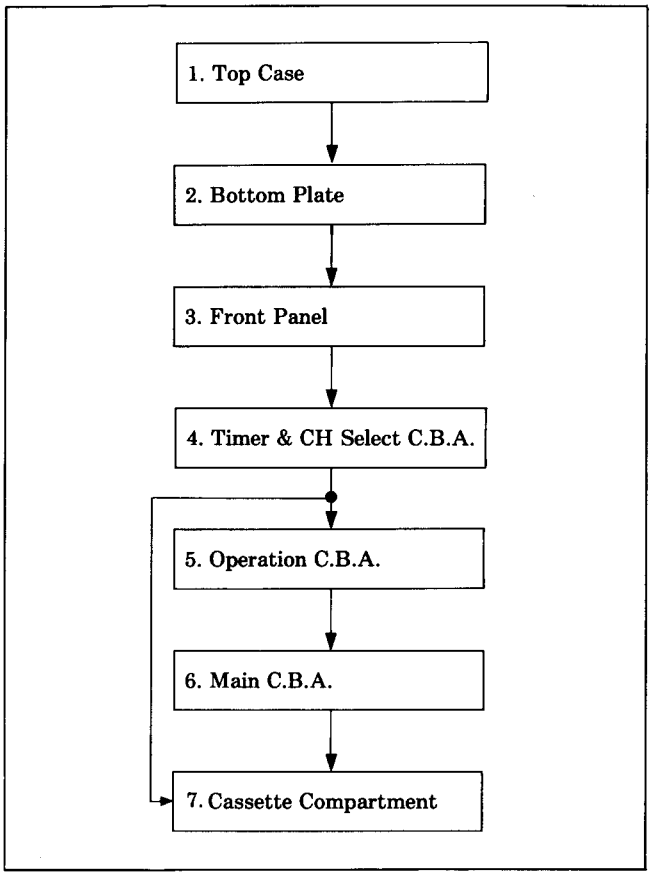


Fig. 2

2-2-2. DETAIL OF DISASSEMBLY METHOD

1. Removal of the Top Case

Remove the 2 screws (A) in case of NV-G10, G7B/EO, 4 screws (A) in case of NV-G10, G7EG.※ Then carefully lift the rear of the case to remove.

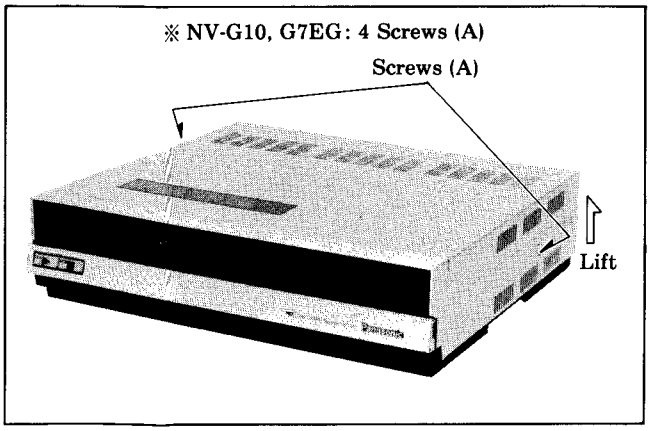


Fig. 3

2. Removal of the Bottom Plate

Place the deck upside down so the bottom side face upward. Then remove the 4 screws (B) in case of NV-G10, G7B/EO, 6 screws (B) in case of NV-G10, G7EG.※

Note:

Place the cushion under the deck for not being damaged the rear portion of the deck.

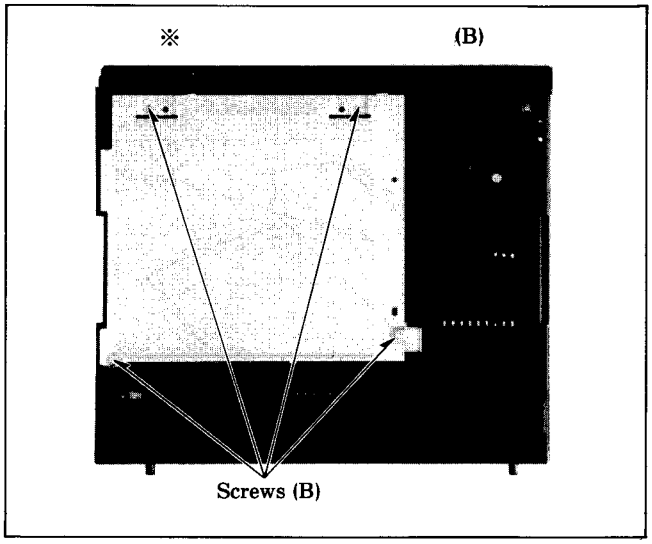


Fig. 4

3. Removal of the Front Panel

Remove the 4 screws (C) and unlock the 6 locking portions (D). Then hold the top portion of the panel and turn it toward the front side of the deck to remove.

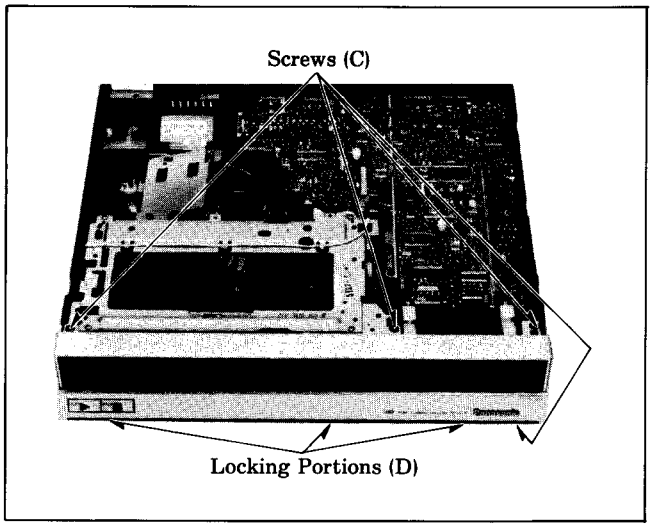


Fig. 5

4. Removal of the Timer & CH Select C.B.A.

Remove the 3 screws (E) and unlock 2 locking portions (F).

5. Removal of the Operation C.B.A.

Remove the screw (G) and unlock 2 locking portions (H).

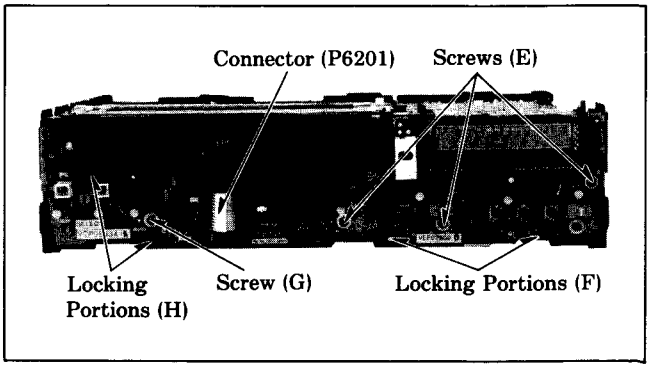


Fig. 6

Note:

How to remove the connector (P6201)

(1) Please remove the connector (P6201) while pushing the top portion (I) to the direction shown by arrow mark.

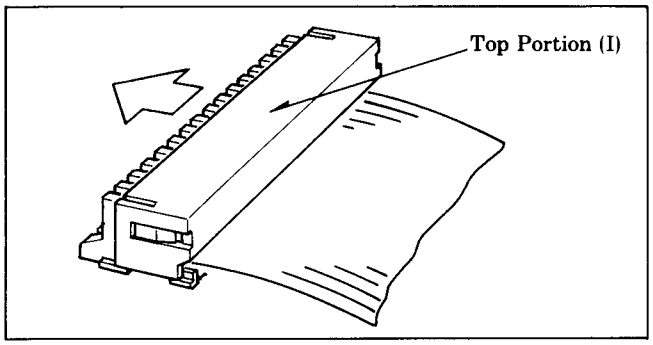


Fig. 7

6. Removal of the Main C.B.A.

Remove the 7 screws (J) and remove the 2 clampers (K). Then open the Main C.B.A. with Timer & CH Select C.B.A. and Operation C.B.A.

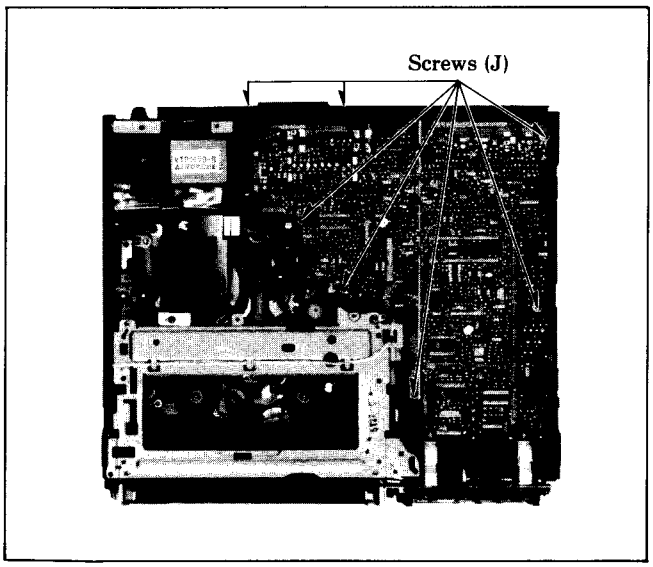


Fig. 8

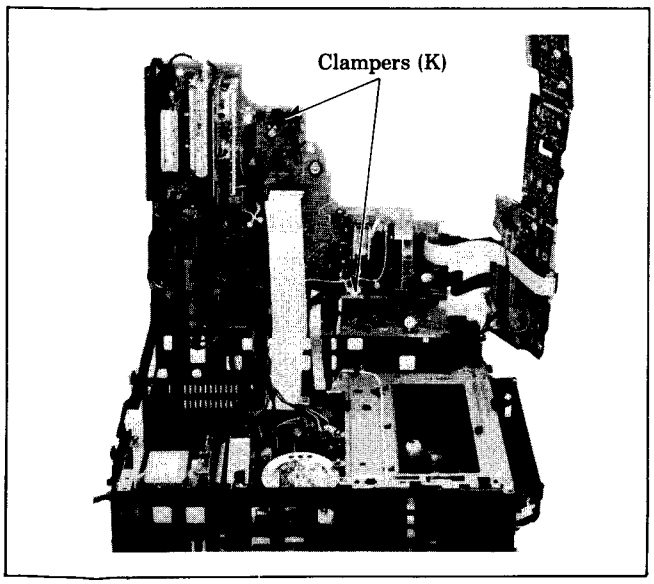


Fig. 9

7. Removal of the Cassette Compartment

Remove the 2 screws (L) and disconnect the connector P1510 from the Front Loading C.B.

Then carefully pull out the Cassette Compartment.

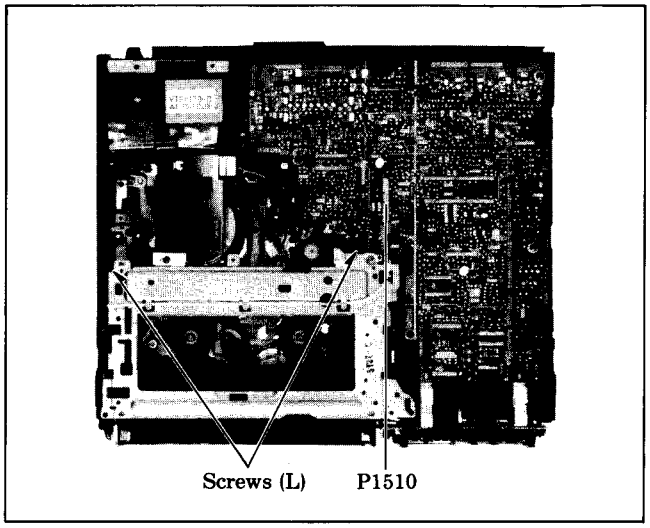


Fig. 10

2-3. REPLACEMENT OF UPPER CYLINDER UNIT

Be sure to observe the following procedures when replacing the Upper Cylinder Unit.

1. Removing the Upper Cylinder Unit

First, remove two screws as shown in Fig. 15.

Then, unsolder 8 soldered portions indicated by arrows, on the C. Board and finally remove the Upper Cylinder Unit by lifting it upward.

Note:

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

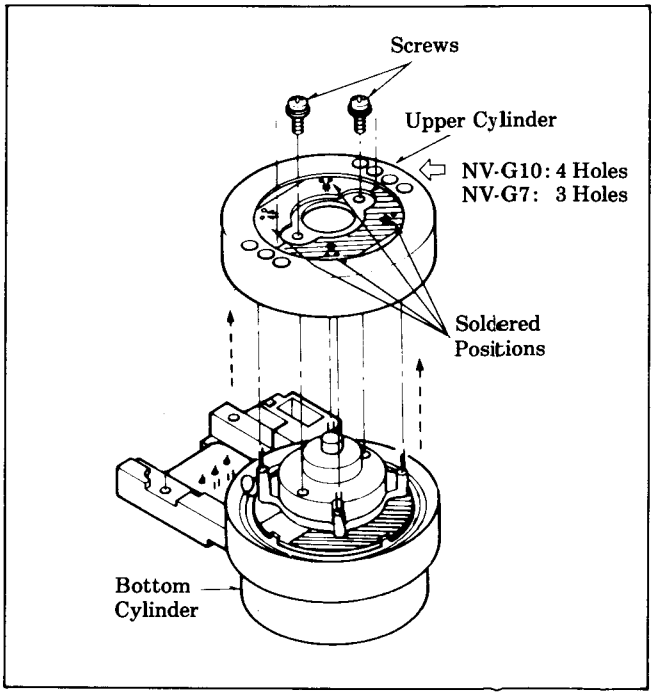


Fig. 11

2. Reinstalling the Upper Cylinder Unit

The Upper Cylinder Unit can be reinstalled by reversing the removal procedure.

However, when reinstalling, be extremely careful so that both the white and green portions of the C. Board on the Upper Cylinder Unit will correctly match the white and green portions of the C. Board on Bottom Cylinder as shown in Fig. 12.

Note:

If the Upper Cylinder unit is reversely installed, no colour would appear when playing back a pre-recorded tape.

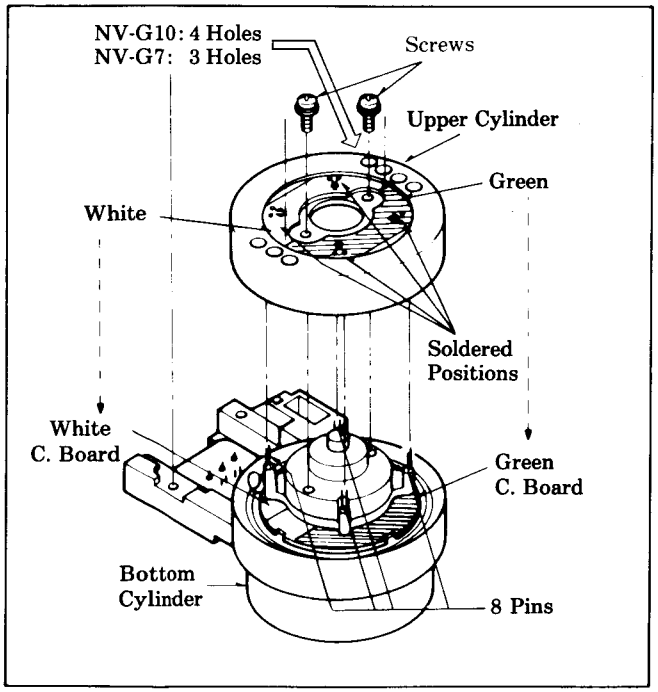


Fig. 12

2-4. REPLACEMENT OF AC CORD

Note:

When AC cord is replaced, please change both AC Cord Cover and Binding Wire without fail for safety operation.

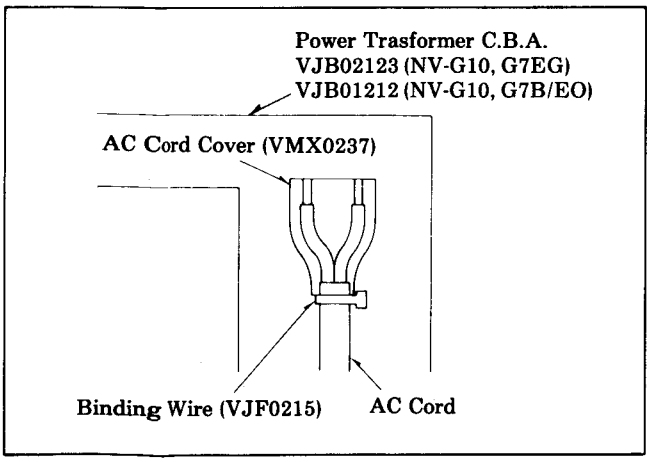


Fig. 13

2-5. ELECTRICAL ADJUSTMENT PROCEDURES

This section provides complete electrical adjustment procedures which may be required for electronic circuits of VHS Video Cassette Recorders NV-G10, G7.

2-5-1. TEST EQUIPMENTS

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

1. VTVM (Vacuum Tube Volt Meter) or DVM (Digital Volt Meter)
   Voltage Range: 0.001~50V
2. Dual-Trace Oscilloscope
   Voltage Range: 0.005~50V/div.
   Frequency Range: DC~30MHz
   Probes: 10:1 or 1:1
3. Frequency Counter
   Frequency Range: 0~10MHz
4. Signal Generator (Sinewave)
   Frequency Range: 0~10MHz
5. Video Sweep Generator
   Frequency Range: 0~10MHz
6. Colour Monitor TV
7. Plastic Tip Driver
8. VHS Alignment Tape (VFJ8125H3F)

2-5-2. HOW TO READ THE ADJUSTMENT PROCEDURES

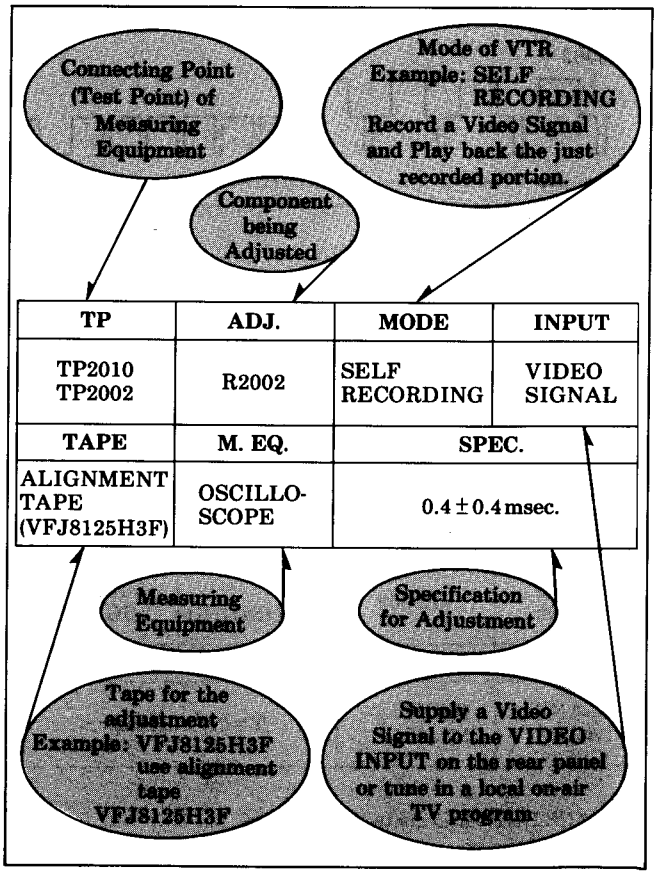


Fig. 14

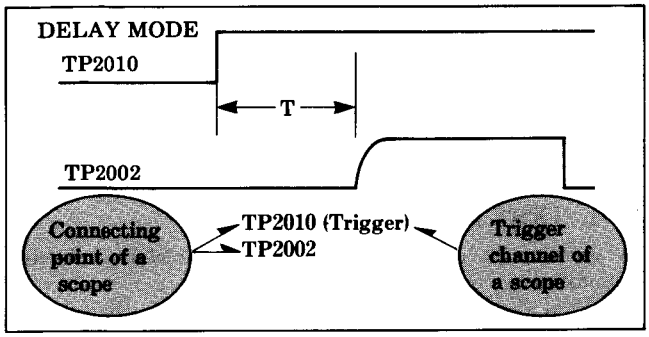


Fig. 15

SERVO SECTION

2-5-3. PG SHIFTER ADJUSTMENT

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

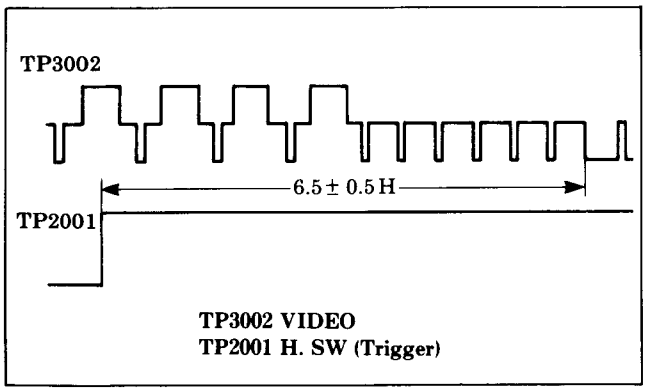


Fig. 16

2-5-4. TRACKING FIX ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP2001 TP2002	VR2002	SELF RECORDING	VIDEO SIGNAL
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	OSCILLO-SCOPE	T = 0.4 ± 0.4 msec.	

1. TRACKING VR is centre fix position.
2. Playback the just recorded portion.
3. Adjust VR2002 so that the period of "T" becomes 0.4 ± 0.4 msec. as shown below.

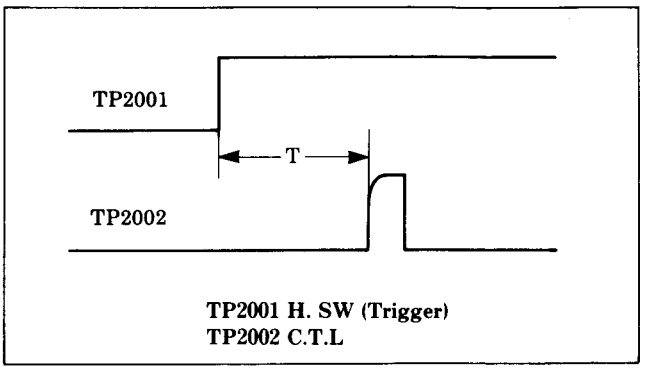


Fig. 17

2-5-5. SLOW TRACKING FIX ADJUSTMENT (FOR NV-G10)

TP	ADJ.	MODE	INPUT
TP2020 TP2002	VR2011	SELF RECORDING	VIDEO SIGNAL
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	OSCILLO-SCOPE	T = 32.5 ± 2.5 msec.	

1. SLOW TRACKING VR is centre position.
2. Playback the just recorded portion.
3. Place the deck in SLOW mode.
4. Adjust VR2011 so that the period of "T" becomes 32.5 ± 2.5 msec. as shown below.

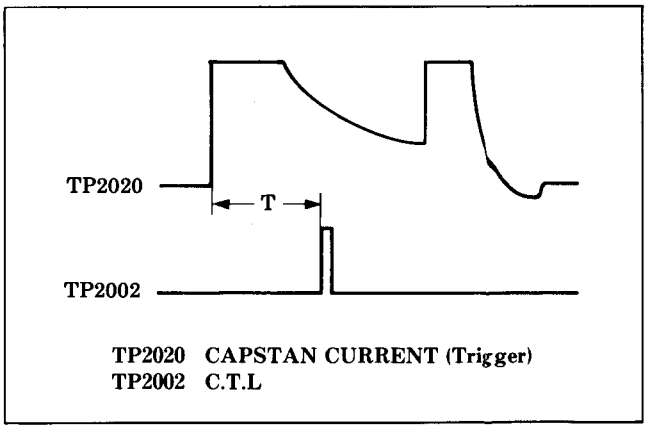
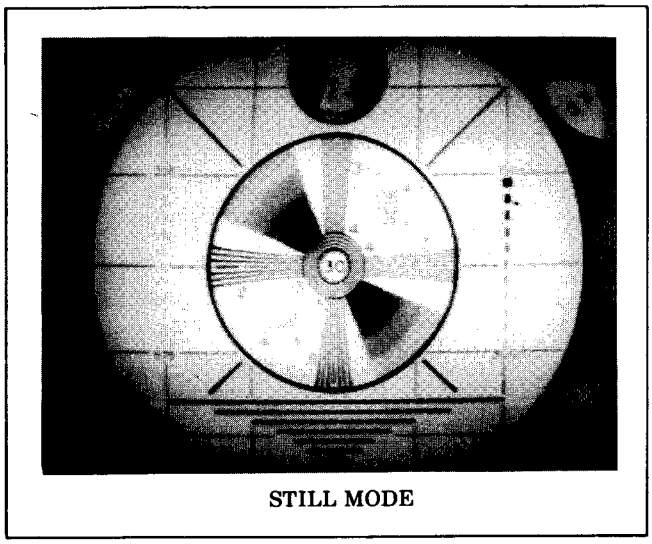


Fig. 18

2-5-6. ARTIFICIAL V-SYNC ADJUSTMENT

TP	ADJ.	MODE	INPUT
	VR2003	SELF RECORDING	VIDEO SIGNAL
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	TV MONITOR		

1. Playback the just recorded portion and place the deck in STILL mode.
2. Adjust VR2003 so that the V-dancing does not appear on the TV Monitor screen.



STILL MODE

Fig. 19

LUMINANCE, CHROMINANCE & HEAD AMP SECTION

2-5-7. HQ AMP GAIN ADJUSTMENT

TP	ADJ.	MODE	INPUT
Q3601-Ⓑ (CH1) Q3604-Ⓔ (CH2)	VR3601	STOP	VIDEO SIGNAL
TAPE	M. EQ.	SPEC.	
	OSCILLO-SCOPE	0± 20mV	

1. Make the connection as shown below.

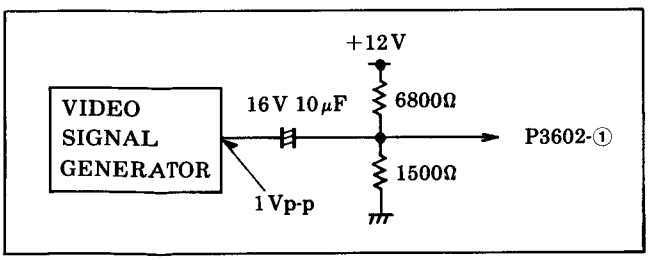


Fig. 20

2. Set the output of VIDEO SIGNAL GENERATOR to 1Vp-p (Colour Bar Signal).
3. Connect the oscilloscope to Q3601-Base (CH1) and Q3604-Emitter (CH2)
4. Set the oscilloscope to "ADD" mode.
   And set the Porality switch of CH2 side to "INV" (Invert) mode.
5. Adjust the VR3601 so that operational amplitude becomes 0±20mV (minimum as possible) as shown below.

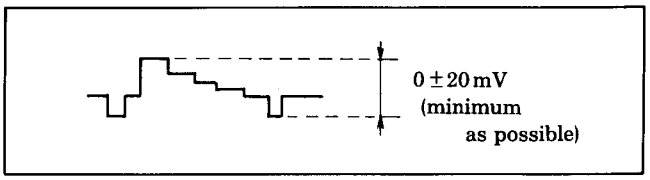


Fig. 21

2-5-8. LUMINANCE RECORDING CURRENT ADJUSTMENT

TP	ADJ.	MODE	INPUT
* TP3003 (HOT) TP3004 (GND)	VR3001	REC · PLAY	VIDEO SIGNAL
TAPE	M. EQ.	SPEC.	
BLANK TAPE	OSCILLO-SCOPE	150±5mVp-p	

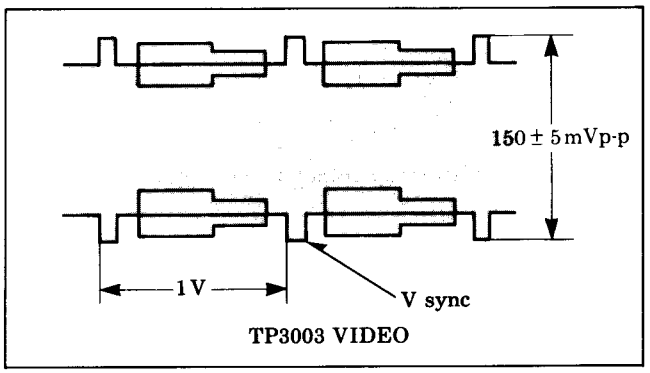


Fig. 22

* Note:
  Test points TP3003 and TP3004 are located on the Head Amp Pack C.B.A (VEP05082).

2-5-9. PLAYBACK CHROMA CYAN LEVEL ADJUSTMENT

TP	ADJ.	MODE	INPUT
VIDEO OUT	VR801	SELF RECORDING	VIDEO SIGNAL
TAPE	M. EQ.	SPEC.	
BLANK TAPE	OSCILLO-SCOPE	0.55±0.05Vp-p	

1. Playback the just recorded portion.
2. Adjust VR801 so that the cyan signal becomes 0.55±0.05Vp-p.

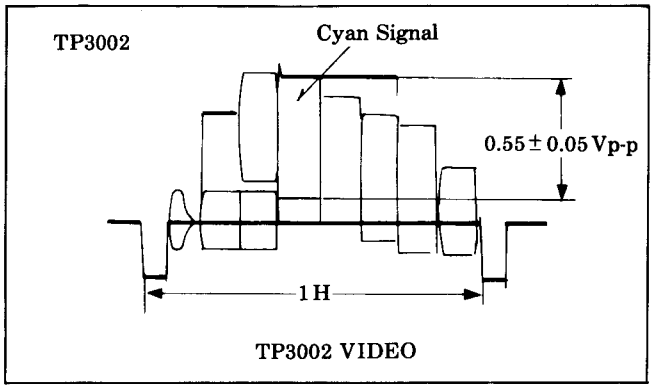


Fig. 23

2-5-10. HEAD AMP FREQUENCY RESPONSE ADJUSTMENT

TP	ADJ.	MODE	INPUT
VIDEO OUT	VR3051	SELF RECORDING	VIDEO SWEEP
TAPE	M. EQ.	SPEC.	
BLANK TAPE	VIDEO SWEEP/ OSCILLO-SCOPE		

1. Set the sweep generator output as shown below.

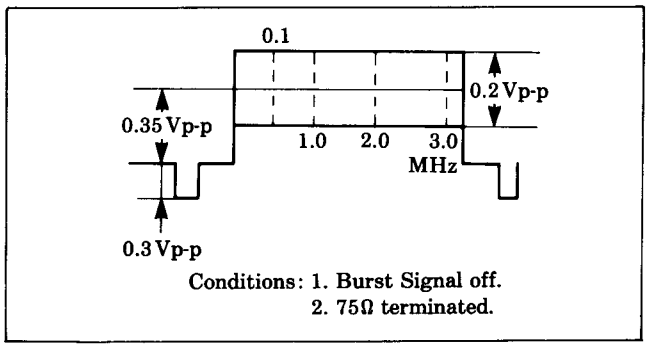


Fig. 24

2. Set the "DETAIL SW" (Rear Side) to normal position.
3. PICTURE VR is centre fix position.
4. Playback the just recorded portion.
5. Adjust VR3051 so that the waveform becomes as shown below.

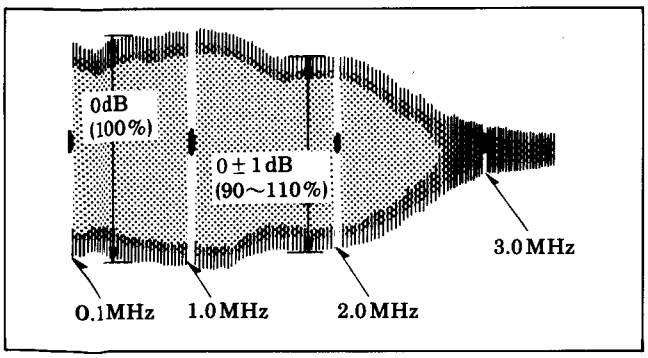


Fig. 25

AUDIO SECTION

2-5-11. AUDIO BIAS CURRENT ADJUSTMENT

TP	ADJ.	MODE	INPUT
P4002-② (+) AUDIO PACK-⑦ (−)	VR4002	REC · PLAY	
TAPE	M. EQ.	SPEC.	
BLANK TAPE	V.T.V.M.	3.4±0.1 mVrms	

2-5-12. AUDIO PLAYBACK LEVEL ADJUSTMENT

TP	ADJ.	MODE	INPUT
AUDIO OUT (TP4001)	VR4001	SELF RECORDING	1 kHz, 0 dB AUDIO SIGNAL
TAPE	M. EQ.	SPEC.	
BLANK TAPE	SIGNAL GENERA-TOR/ V.T.V.M.	E-E Level = −7±2 dB P.B. Level = E-E Level ±0.5 dB	

Note:

Before this adjustment, "Tape Interchangeability Adjustment" and "Audio Bias Current Adjustment" must be completed.

1. Playback the just recorded portion.
2. Adjust VR4001 so that the level of the playback waveform becomes E-E level ±0.5 dB.

TIMER, SYSTEM CONTROL SECTION

2-5-13. TIMER RESET ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP7508	VR7502		
TAPE	M. EQ.	SPEC.	
	OSCILLO-SCOPE/ 2 DC POWER SUPPLIES		

1. Set the voltage of the DC POWER SUPPLY (A) for 4.6±0.05 V and supply to IC 7551-⑧ (+) and GND (−).
2. Set the voltage of the DC POWER SUPPLY (B) for 45±1 V and supply to anode of D7555.
3. Turn the VR7502 fully clockwise .
4. Turn the VR7502 counterclockwise slowly until the voltage at TP7508 is Low Level (0 V).
5. Change the voltage of the DC POWER SUPPLY (A) from 4.6±0.05 V to 4.8±0.05 V.
6. Confirm the voltage at TP7508 is High Level.

2-5-14. INFRARED TUNING FREQUENCY ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP7581	T7501		35kHz 20μVrms AUDIO SIGNAL
TAPE	**M. EQ.**	**SPEC.**	
	OSCILLO-SCOPE/ SIGNAL GENERA-TOR (SINE WAVE)		

1. Set the SIGNAL GENERATOR for 35±0.05kHz and 20μVrms, supply to anode of D6204.
2. Connect the oscilloscope to TP7581.
3. Adjust T7501 so that the waveform becomes maximum.

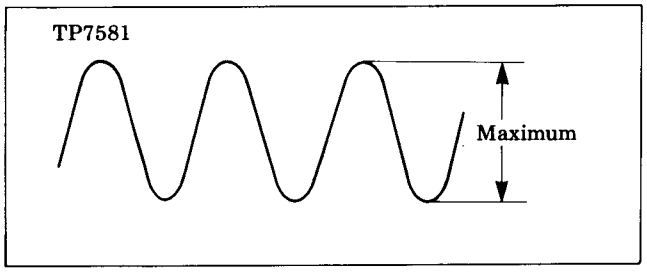


Fig. 26

TV DEMODULATOR SECTION

Since defferent models, such as EG/B and EO are combined into one procedure, pay attention not to adjust different specifications.

2-5-15. TEST EQUIPMENTS

To make adjustment completely, following equipments are required.

1. VIF SWEEP GENERATOR with the Trap Adjustor
   38.9MHz (NV-G10, G7EG/EO).
   39.5MHz (NV-G10, G7B).
2. SIF SWEEP GENERATOR
   5.5MHz±150kHz (NV-G10, G7EG/EO)
   6.0MHz±150kHz (NV-G10, G7B)
3. CW OSCILLATOR
   38.9MHz±100kHz (NV-G10E, G7EG/EO).
   39.5MHz±100kHz (NV-G10, G7B)
4. MONITOR SCOPE
5. OSCILLOSCOPE
6. DIGITAL VOLT METER

Note:

To make this adjustment, please set the TV Demodulator Pack as shown below.

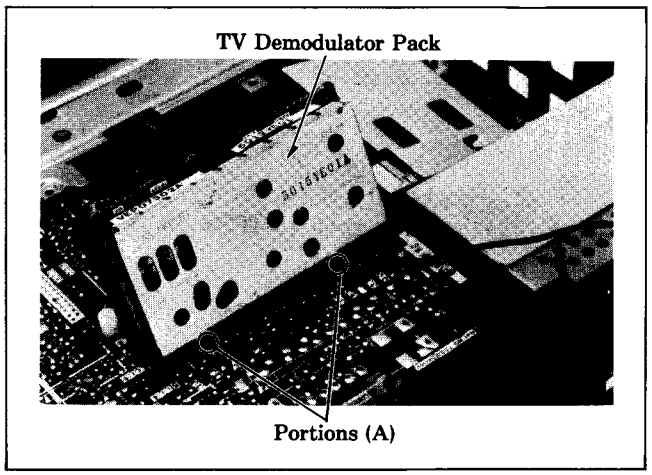


Fig. 27

1. First, remove the TV Demodulator Pack from the Main C.B. (VJB06333). Then, reinstall the TV Demodulator Pack to the Main C.B. on foil side and finally solder the soldering portions of the TV Demodulator Pack.
   However, when reinstalling, be extremely careful so that the portions (A) of the TV Demodulator Pack do not touch the Main C.B. (VJB06333).

2-5-16. SELECTIVE COIL ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP707	T703 T704		VIF SWEEP
TAPE	**M. EQ.**	**SPEC.**	
	VIF SWEEP/ MONITOR SCOPE	A=0.1Vp-p B=38.9MHz (NV-G10, G7EG/EO) B=39.5MHz (NV-G10, G7B)	

1. Set the BAND SW of the deck to the VHF high position (VH) (NV-G10, G7EG/EO). And turn the tuning volume so that the voltage at BT terminal of the tuner becomes 15±1V.
2. Set the MEMORY/AFC SW of the deck to OFF mode.
3. Connect a jumper wire between TUNER AGC Terminal and GND.
4. Connect the VIF SWEEP to TP703 and connect the MONITOR SCOPE to TP707 as shown is Fig. 28.

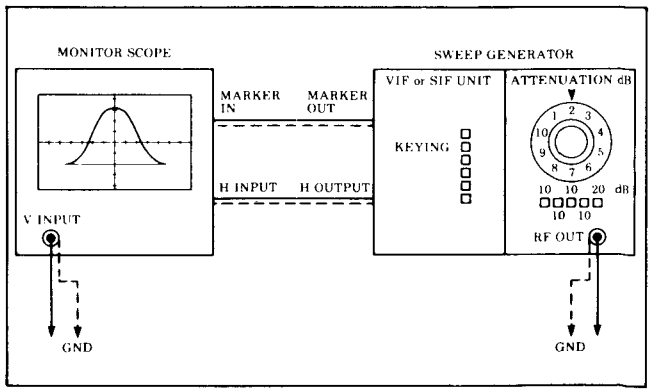


Fig. 28 Connection of Measuring Equipment

5. Connect the JIG. to both points TP709 and TV DEMODULATOR PACK-③ as shown in Fig. 29.

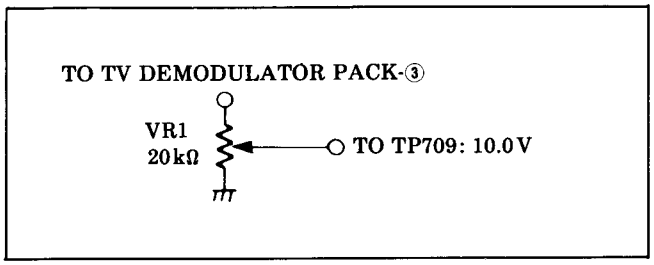


Fig. 29 Adjustment JIG. 2

6. Adjust the output of the VIF SWEEP GENERATOR so that the sweep wave becomes A.
7. Adjust T703 so that the marker position at B becomes peak point as shown in Fig. 30.

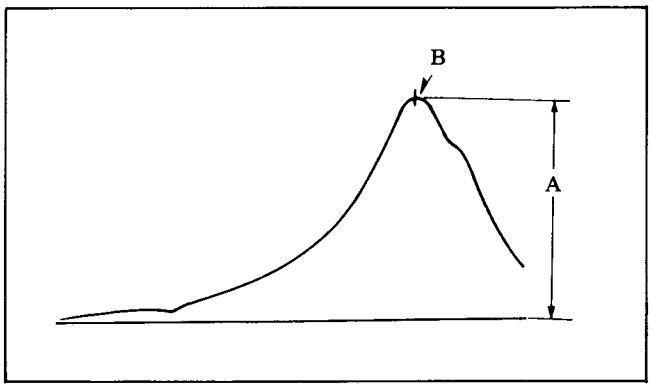


Fig. 30

8. Adjust T704 so that the marker position at B becomes as shown in Fig. 31.

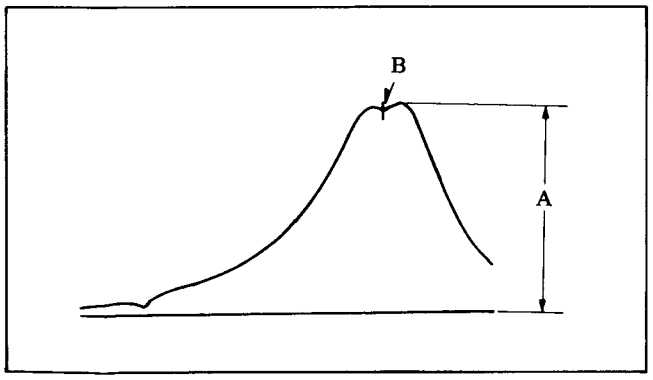


Fig. 31

2-5-17. VIF SWEEP ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP707	T701 T702 T705 (NV-G10, G7EG/EO)		VIF SWEEP
TAPE	**M. EQ.**	**SPEC.**	
	VIF SWEEP/ MONITOR SCOPE	Refer to the VIF Specification chart. (Fig. 34.)	

1. Set the BAND SW to the VHF high position (VH) (NV-G10, G7EG/EO). And turn the tuning volume so that the voltage at BT terminal of the tuner becomes 15V±1V.
2. Set the MEMORY/AFC SW of the deck to OFF mode.
3. Connect a 100Ω resistor between TP704 and TP705.
4. Connect a jumper wire between TUNER AGC Terminal and GND.
5. Connect the VIF SWEEP GENERATOR to TUNER TEST POINT. And connect the MONITOR SCOPE to TP707.
6. Adjust the output of the VIF SWEEP GENERATOR so that the sweep wave becomes 1.0Vp-p. Then release 20dB attenuation from the attenuator of the VIF SWEEP GENERATOR.
7. Connect the JIG. both points TP709 and TV DEMODULATOR PACK-③.
8. Adjust T702 so that the (fs) trap becomes minimum.
9. Adjust T701-(A) so that the (fs') trap becomes minimum.
10. Adjust T705 that the (fp') trap becomes minimum (NV-G10, G7EO).
11. Adjust T701-(B) so that the (fp') trap becomes minimum (NV-G10, G7EG).
12. Adjust T705 so that the (fN) trap becomes minimum (NV-G10, G7EG).
13. Readjust the (fp') trap and (fN) trap mutually several times (NV-G10, G7EG)
14. Adjust VR1 of the JIG. so that the sweep wave becomes 1.0Vp-p.
15. Adjust the tuner converter coil and T701-(C) so that the sweep output waveform becomes as shown in Fig. 35.

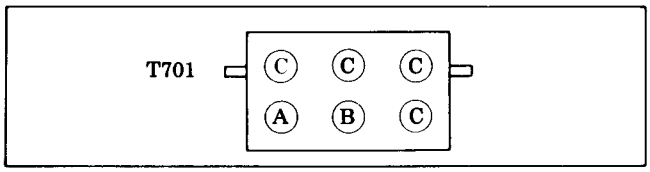


Fig. 32

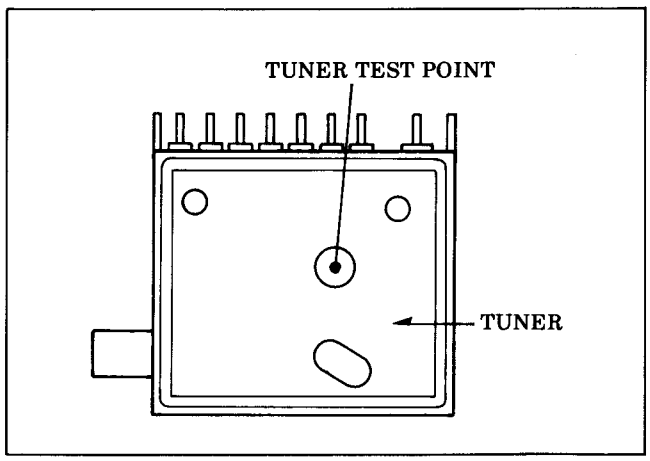


Fig. 33

16. In the case of NV-G10, G7EG, adjust the VR1 of the JIG. so that the voltage at TP709 becomes 10V, and set the sweep output to 2Vp-p. Then, confirm the fp', fN, fs and fs' markers are less than 700mV. If those markers are not in the specification, readjust the fp', fN, fs and fs' traps.

MODEL NO.		NV-G10, G7EG	NV-G10, G7B	NV-G10, G7EO
MARKER FREQUENCY	fs'	40.4MHz	41.5MHz	40.4MHz
	fp	38.9MHz	39.5MHz	38.9MHz
	f1	38.15MHz	38.6MHz	38.15MHz
	f2	35.22MHz	35.5MHz	35.22MHz
	fc	34.47MHz	35.07MHz	34.47MHz
	f3	33.97MHz	34.57MHz	33.97MHz
	fs	33.4MHz	33.5MHz	33.4MHz
	fN	32.4MHz	——	——
	fp'	31.9MHz	——	31.9MHz
SPECIFICATIONS	fp	30±5%	35±5%	30±5%
	f1	80±10%	65±10%	80±10%
	f2	80±10%	70±10%	80±10%
	fc	50±5%	50±5%	50±5%
	f3	18~22%	25~35%	15~25%

Fig. 34 VIF Specifications Chart

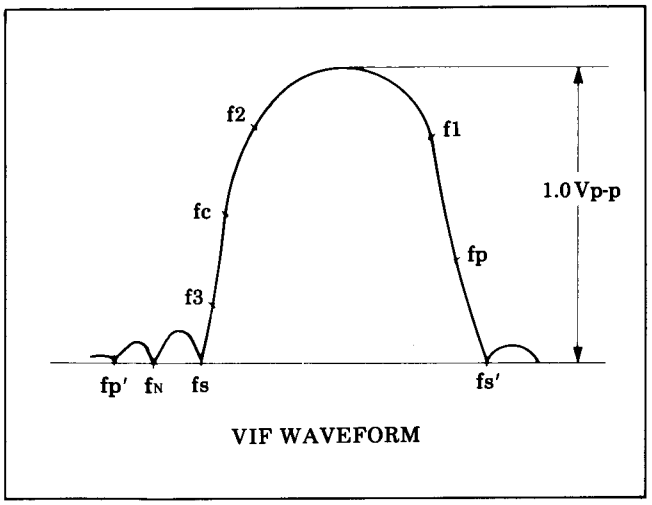


Fig. 35

2-5-18. SIF SWEEP ADJUSTMENT

TP	ADJ.	MODE	INPUT
AUDIO OUT (TV DEMODU-LATOR PACK-④)	T751 T752 VR751		SIF SWEEP
TAPE	**M. EQ.**	**SPEC.**	
	VIF SWEEP/ MONITOR SCOPE	A=5.5MHz (NV-G10, G7EG/EO) A=6.0MHz (NV-G10, G7B)	

1. Connect a jumper wire between IC7651-⑨and GND (NV-G10, G7EG/EO).
2. Set the BAND SW of the deck to the VHF high position (VH) (NV-G10, G7EG/EO). Turn the tuning volume so that the voltage at BT terminal of the tuner becomes 15V±1V.
3. Set the MEMORY/AFC SW of the deck to the OFF mode.
4. Connect the SIF SWEEP GENERATOR to TP706. And connect the MONITOR SCOPE to AUDIO OUT.
5. Connect the JIG. both points TP709 and TV DEMODULATOR PACK-③. Adjust the VR1 of the JIG. so that the DC level becomes less than 5V.
6. Set the output of the SIF SWEEP GENERATOR to 250mVp-p at no load.
7. Adjust VR751 so that the SIF waveform becomes maximum.
8. Adjust T752 so that the attenuation of (A) trap becomes minimum.
9. Adjust T751 for maximum peak-to-peak amplitude of response "S" curve as shown in Fig. 36.

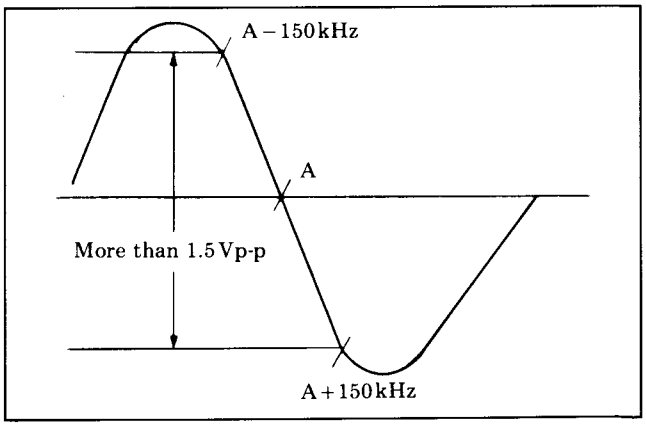


Fig. 36 SIF WAVEFORM

10. Confirm that the level between the 150kHz marker positions is more than 1.5Vp-p.

2-5-19. AFC ADJUSTMENT

TP	ADJ.	MODE	INPUT
AFC TERMINAL OF THE TUNER	T704		CW SIGNAL
TAPE	**M. EQ.**	**SPEC.**	
	CW OSCI-LLATOR/ D.V.M.	A=38.9MHz (NV-G10, G7EG/EO) A=39.5MHz (NV-G10, G7B)	

1. Set the BAND SW of the deck to the VHF high position (VH) (NV-G10, G7EG/EO). And turn the tuning volume so that the voltage at BT terminal of the tuner becomes 15V±1V.
2. Set the CW OSCILLATOR output to (A) MHz and 1Vp-p. and connect the CW OSCILLATOR output to the TUNER TEST POINT.
3. Connect the D.V.M to the AFC TERMINAL of the tuner.
4. Read the value "B" of the D.V.M, when the MEMORY/AFC SW is OFF.
5. Set the MEMORY/AFC SW to ON and adjust T704 for B±0.3V.
6. Change the frequency of the CW OSCILLATOR ±100kHz centred at (A) MHz and confirm that the difference of the AFC voltage is more than ±2V.

2-5-20. VIDEO FREQUENCY RESPONSE ADJUSTMENT

TP	ADJ.	MODE	INPUT
VIDEO OUT (TV DEMODU-LATOR PACK-②)	VR741		VIF SWEEP
TAPE	M. EQ.	SPEC.	
	OSCILLO-SCOPE/ VIF SWEEP		

1. Connect the VIF SWEEP GENERATOR to TUNER Unit directly after removing the connector from RF Connector.
2. Set the BAND SW to the VHF high position (VH) (NV-G10, G7EG/EO) and tune the tuning volume so that the VIF SWEEP signal is able to receive.
3. Set the MEMORY/AFC SW to ON mode.
4. Set the output of the VIF SWEEP GENERATOR to 800mVp-p.
5. Adjust VR741 so that the waveform at the VIDEO OUT (TV Demodulator Pack-②) becomes as shown below.

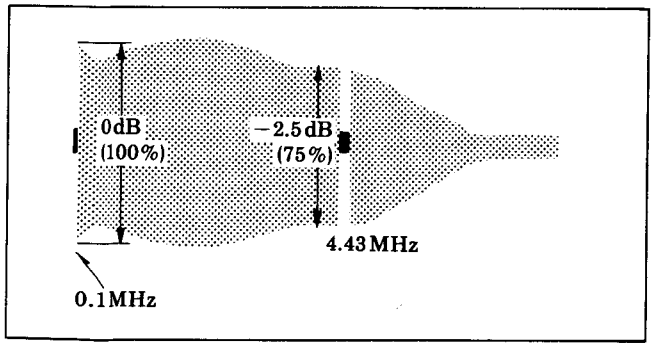


Fig. 37

2-5-21. AUDIO LEVEL ADJUSTMENT

TP	ADJ.	MODE	INPUT
AUIDO OUT (TV DEMODU-LATOR PACK-④)	VR751		RF SIGNAL
TAPE	M. EQ.	SPEC.	
	OSCILLO-SCOPE	200mV±10mVp-p	

1. Supply the RF Signal to RF IN TERMINAL and tune this signal.
2. Set the AFC SW to ON position.
3. Adjust VR751 so that the audio level becomes 200±10mVp-p.

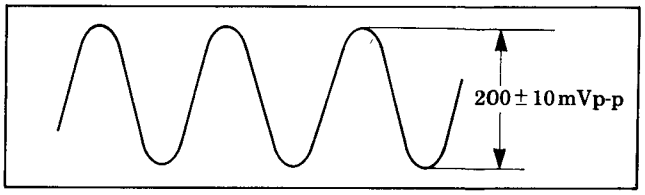


Fig. 38

2-5-22. TIMER MUTING FREQUENCY ADJUSTMENT (NV-G10EG/EO, G7EG/EO)

TP	ADJ.	MODE	INPUT
IC7651-④	VR7660		
TAPE	M. EQ.	SPEC.	
	FREQUENCY COUNTER	15625±50Hz	

Note:

To make this adjustment, please prepare the following circuit, Refer to Fig. 39.

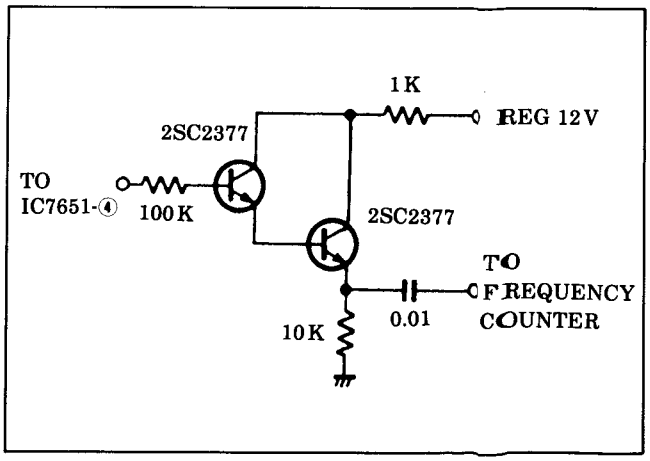
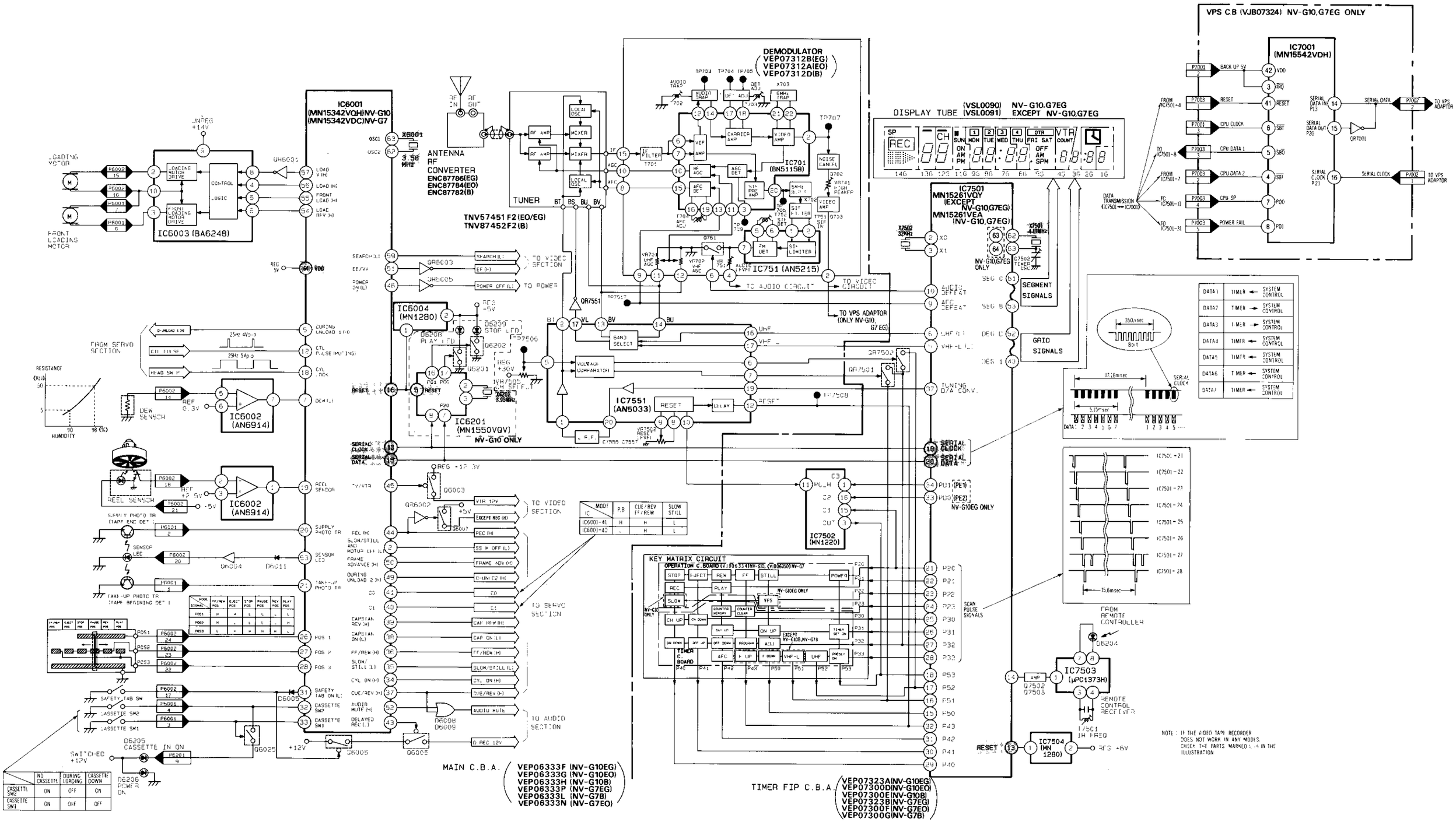
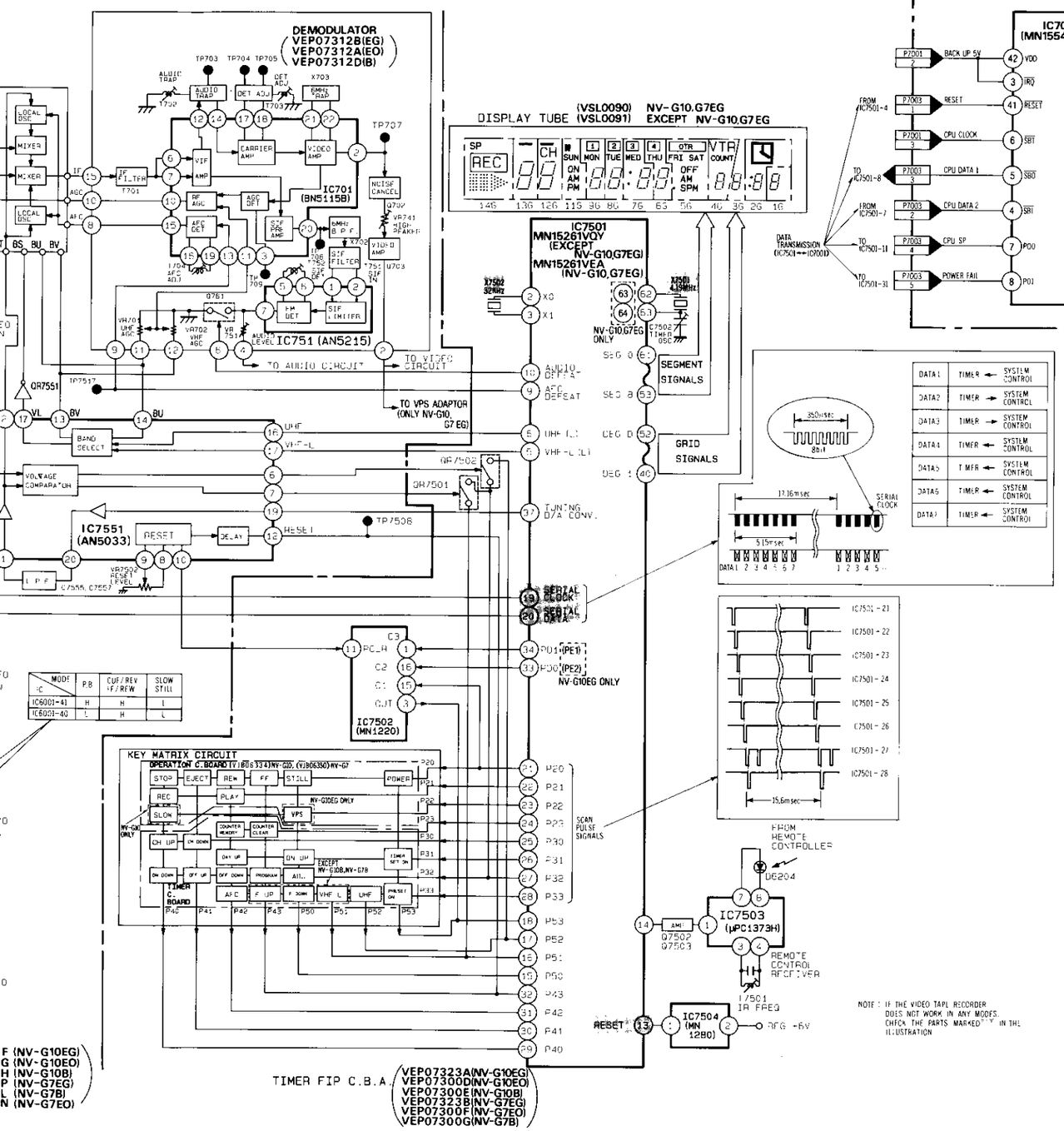


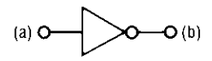
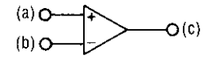
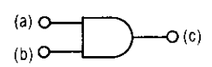
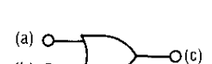
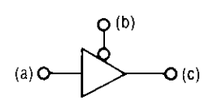
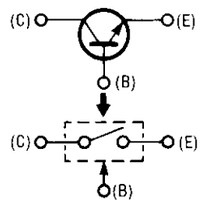
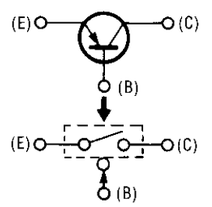
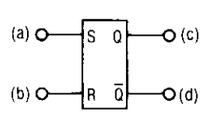
Fig. 39 Adjustment Circuit

SECTION 3
BLOCK DIAGRAMS & SCHEMATIC DIAGRAMS
3-1. SYSTEM CONTROL/TIMER/TUNER & TV DEMODULATOR BLOCK DIAGRAM



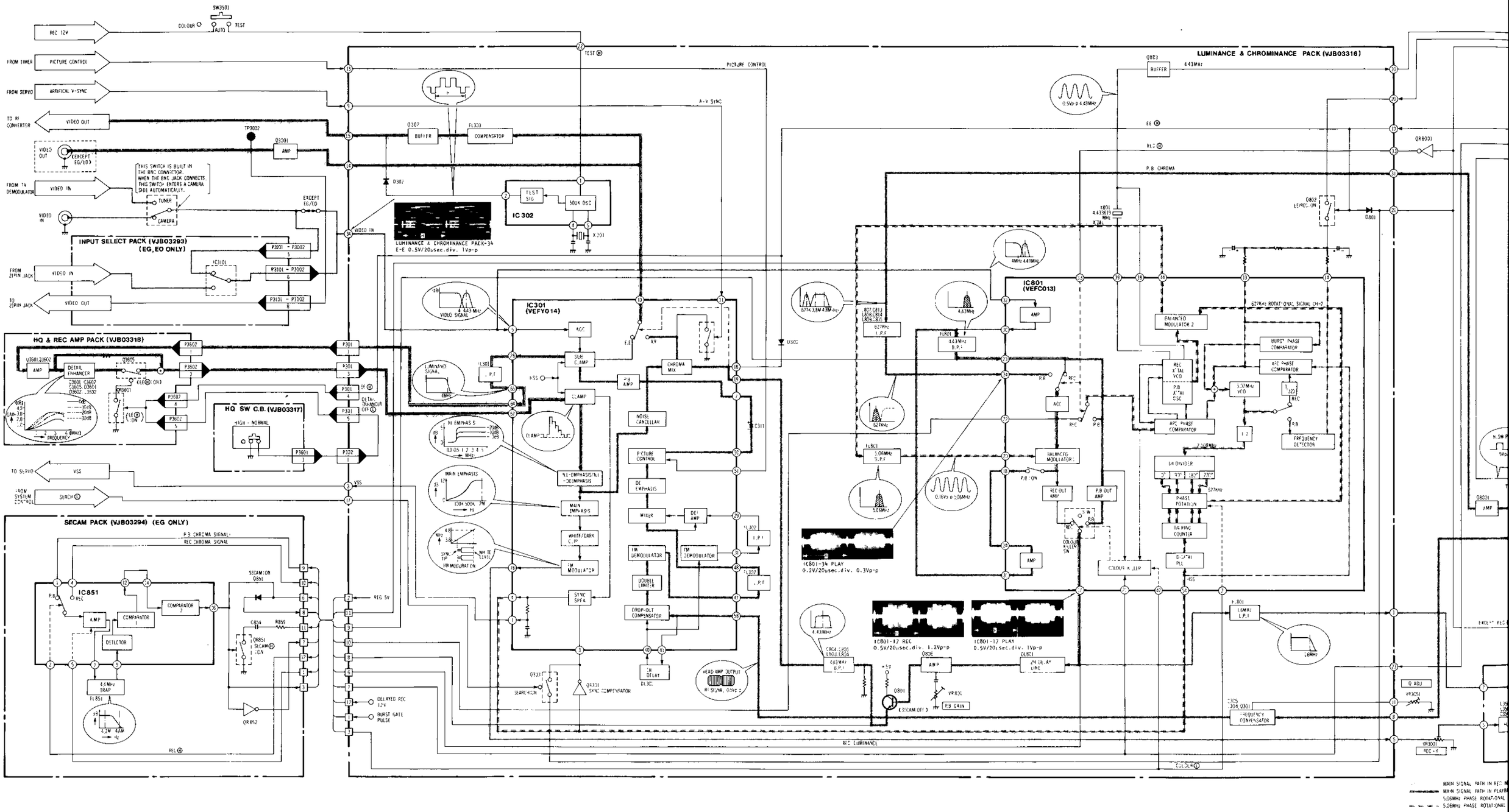
AMS
OR BLOCK DIAGRAM

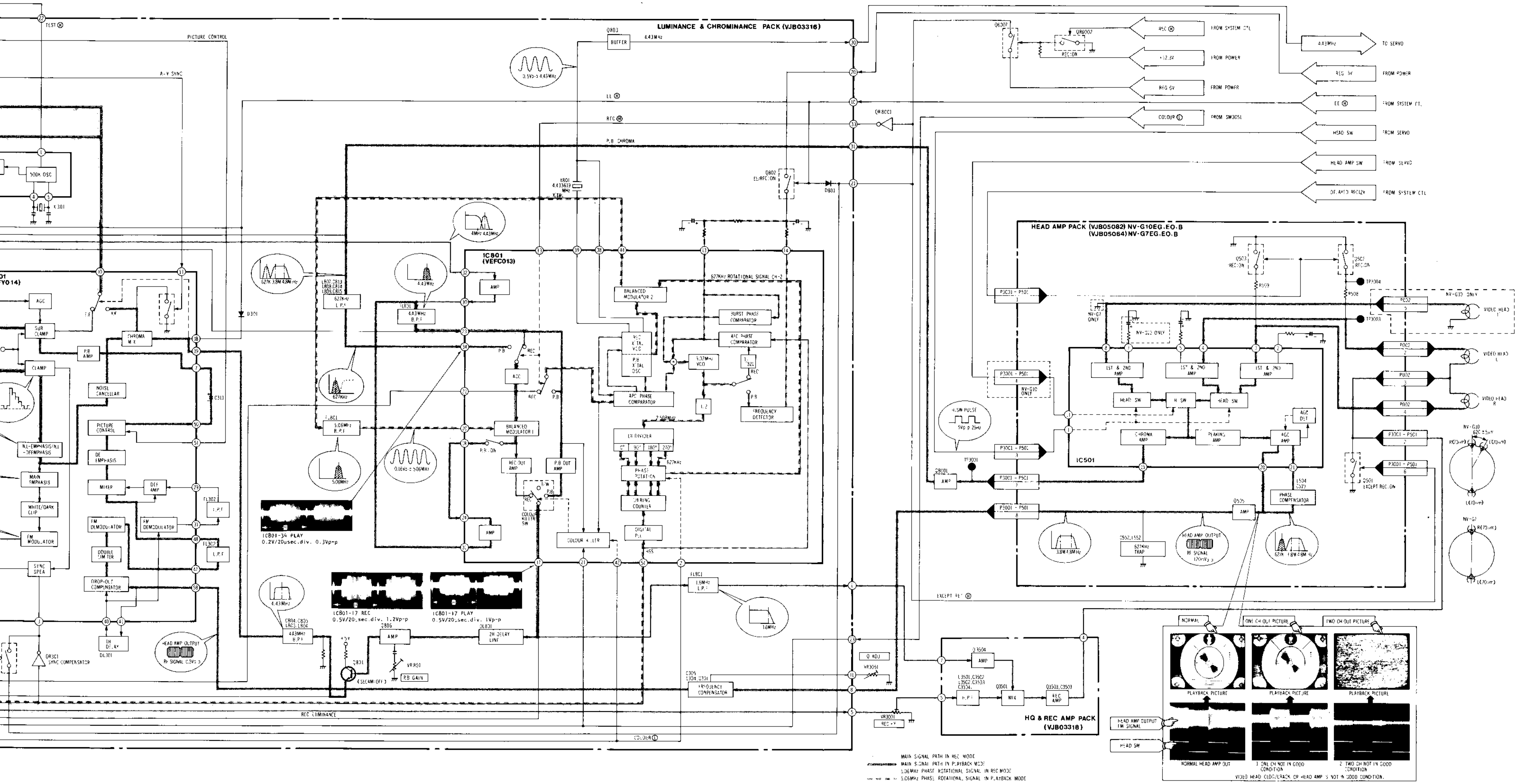


SYMBOL	TRUTH VALUE TABLE
INVERTER 	IN (a) H L OUT (b) L H
COMPARATOR 	IN (a)/(b) (a)>(b) (a)<(b) OUT (c) H L
AND CIRCUIT 	IN (a) L L H H (b) L H L H OUT (c) L H H H
OR CIRCUIT 	IN (a) L L H H (b) L H L H OUT (c) L H H H
THREE STATES BUFFER 	IN (a) H L H or L (b) L L H OUT (c) H L ※ ※ High Impedance
TR. SW (NPN TYPE) 	BASE H L TR. SW ON OFF
TR. SW (PNP TYPE) 	BASE H L TR. SW OFF ON
R-S TYPE FLIP-FLOP 	IN (a) L L ⎍ (b) L ⎍ L OUT (c) ※ L H (d) ◆ H L ※ Initial condition is maintained. ◆ Initial condition is reverced.

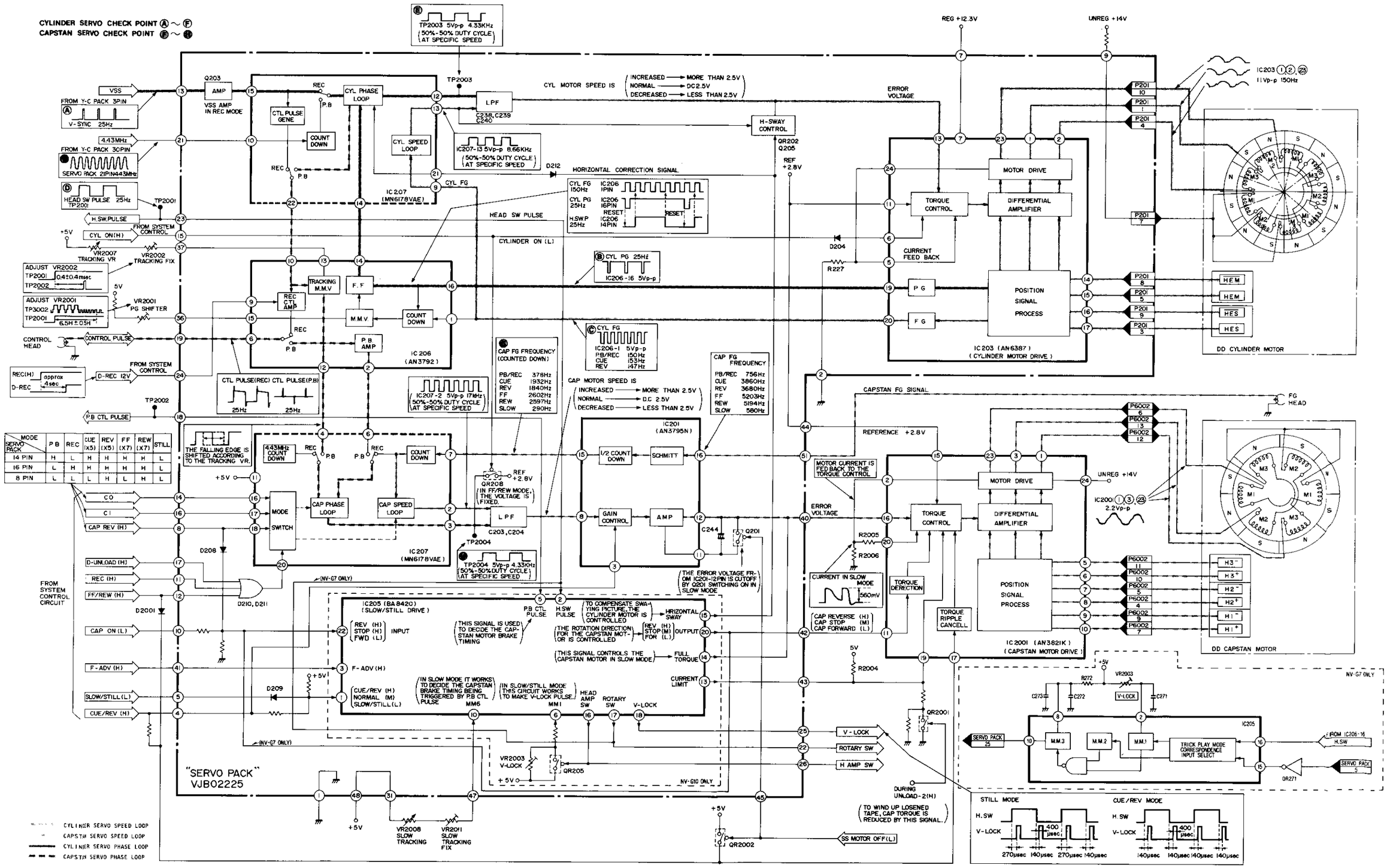
Next Page:
SERVO Section

3-2. LUMINANCE & CHROMINANCE BLOCK DIAGRAM



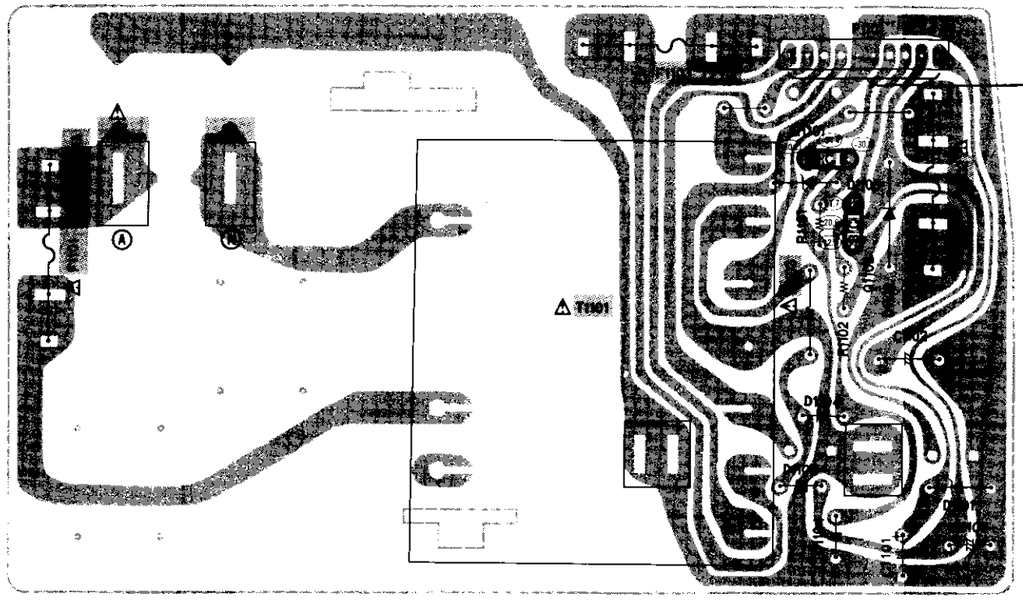

LUMINANCE & CHROMINANCE PACK (VJB03316)
HEAD AMP PACK (VJB05082) NV-G10EG.EO.B
(VJB05064) NV-G7EG.EO.B
HQ & REC AMP PACK
(VJB03318)
IC801
(VEFC013)
IC501
TO SERVO
FROM POWER
FROM SYSTEM CTL
FROM SERVO
IC801-34 PLAY
0.2V/20μsec.div. 0.3Vp-p
IC801-17 REC
0.5V/20μsec.div. 1.2Vp-p
IC801-17 PLAY
0.5V/20μsec.div. 1Vp-p
NORMAL HEAD AMP OUT
PLAYBACK PICTURE

3-3. SERVO BLOCK DIAGRAM

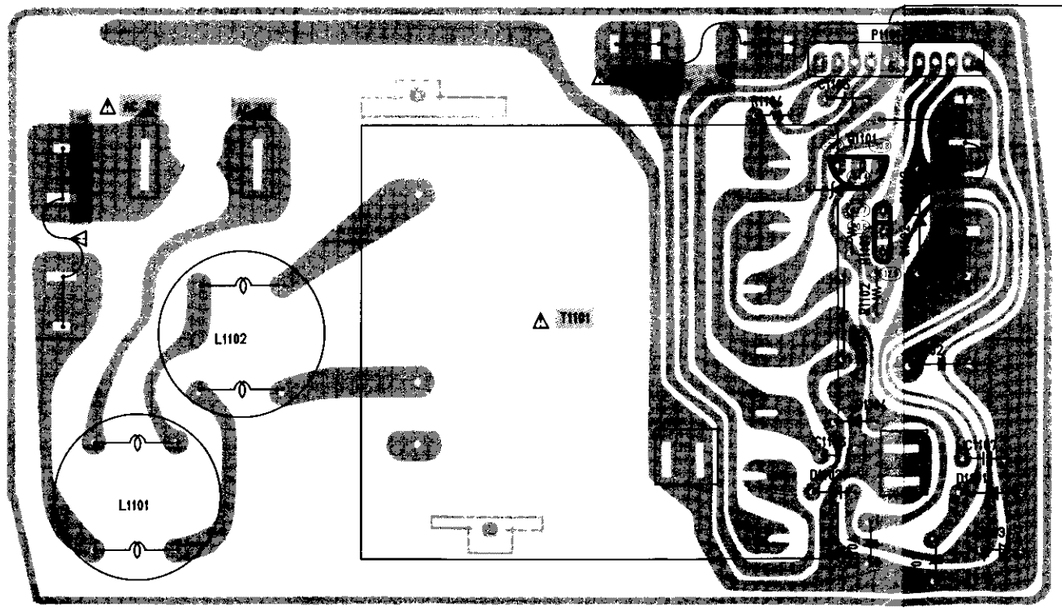


3-4. POWER TRANSFORMER (VEP01213A: NV-G10, G7EG) (VEP01212A: NV-G10, G7B/EO) & POWER SUPPLY Section In Main Circuit Board (VEP06333F: NV-G10EG) (VEP06333H: NV-G10B) (VEP06333G: NV-G10EO) (VEP06333P: NV-G7EG) (VEP06333L: NV-G7B) (VEP06333N: NV-G7EO)

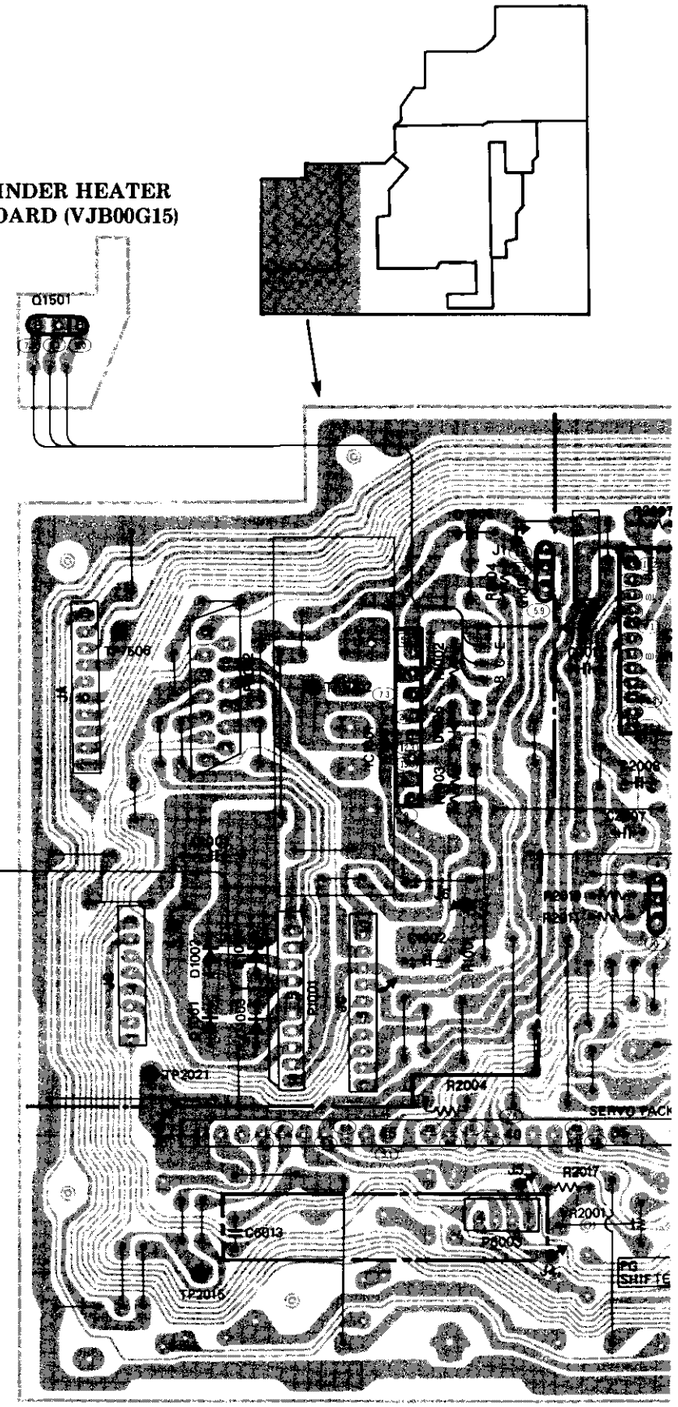
POWER TRANSFORMER C. BOARD (VEP01212A: NV-G10, G7B/EO)



POWER TRANSFORMER C. BOARD (VEP01213A:

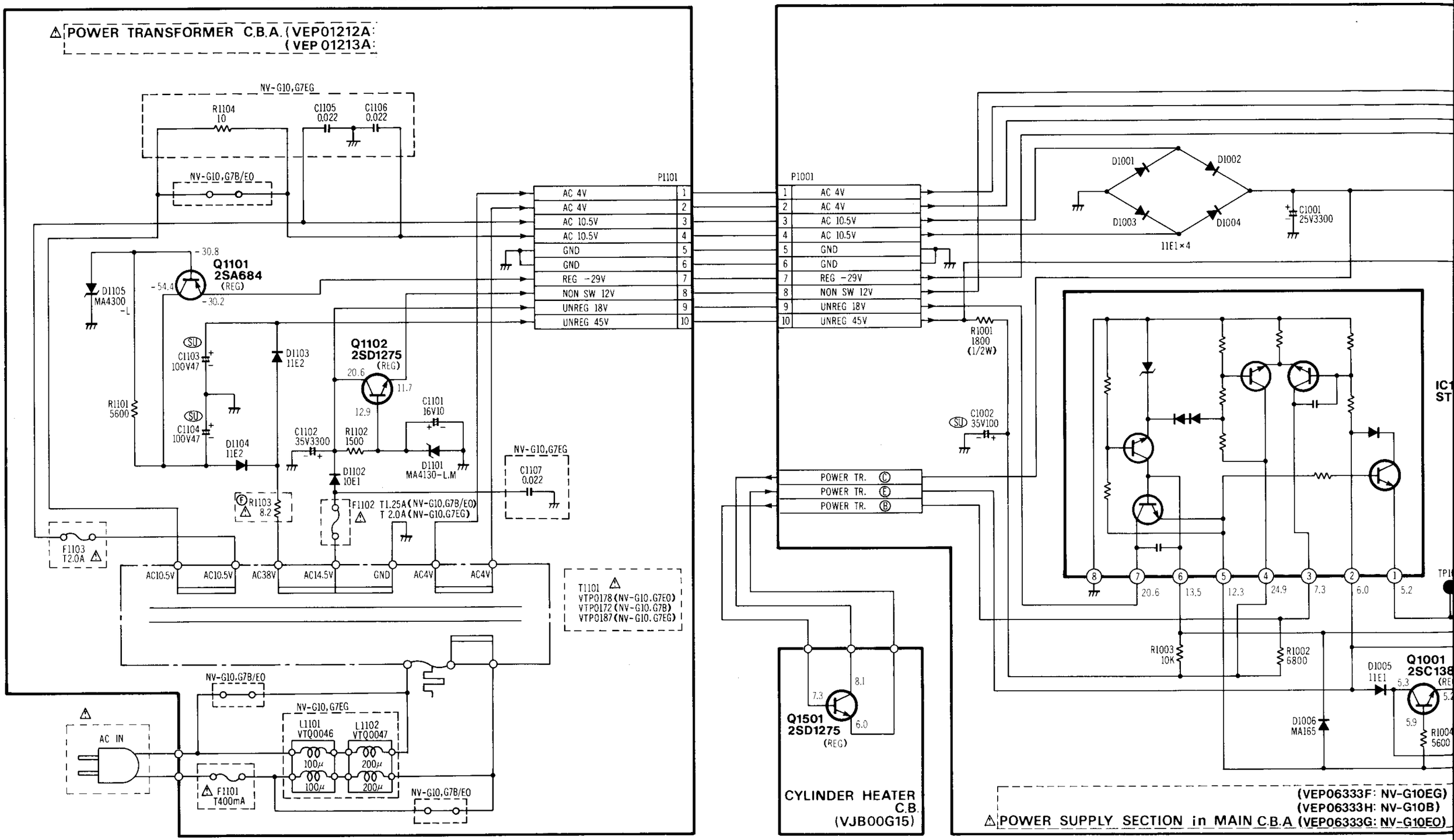


CYLINDER HEATER C. BOARD (VJB00G15)



Back Page: SERVO Section

3-5. POWER TRANSFORMER & POWER SUPPLY SCHEMATIC DIAGRAM

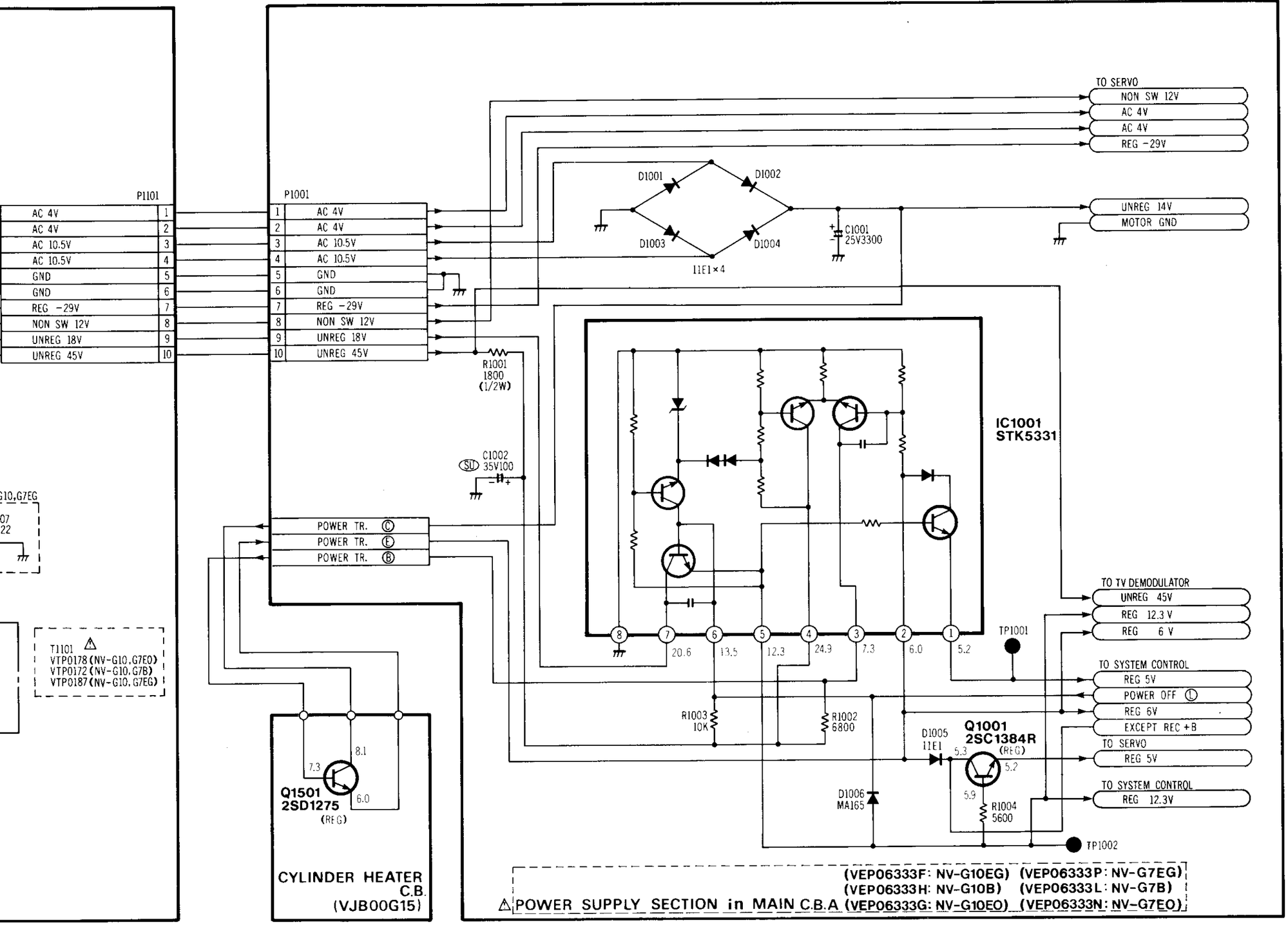


NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

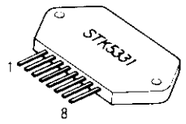
IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS. USE ONLY THE SAME TYPE.

NOTE: DO NOT USE THE PART
THE CORRECT PART NU
SLIGHTLY DIFFERENT

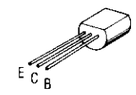
TIC DIAGRAM



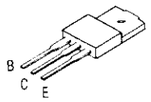
ICs & TRANSISTORs INFORMATION



STK5331



2SC1384
2SA684



2SD1275

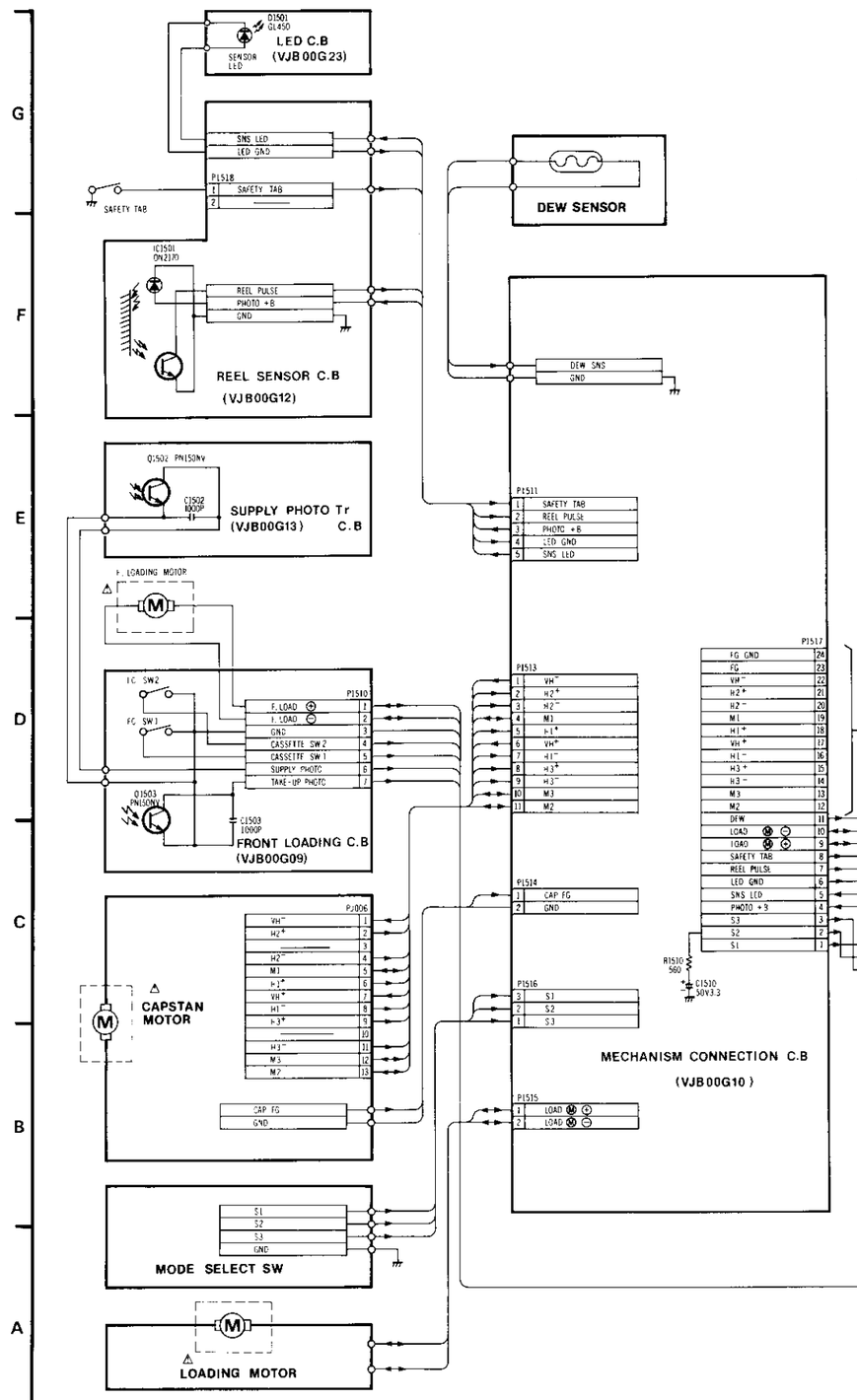
EMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

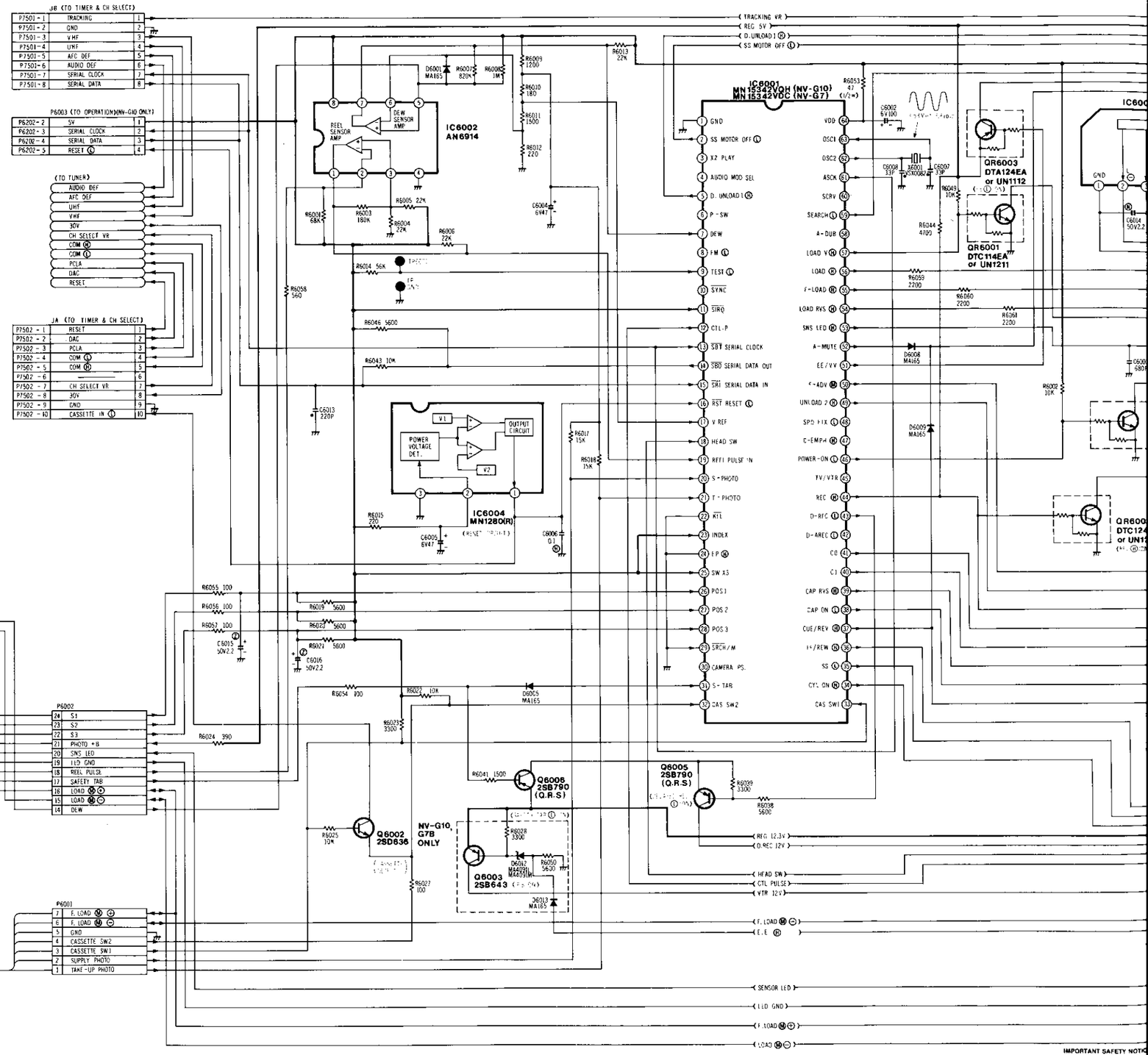
IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

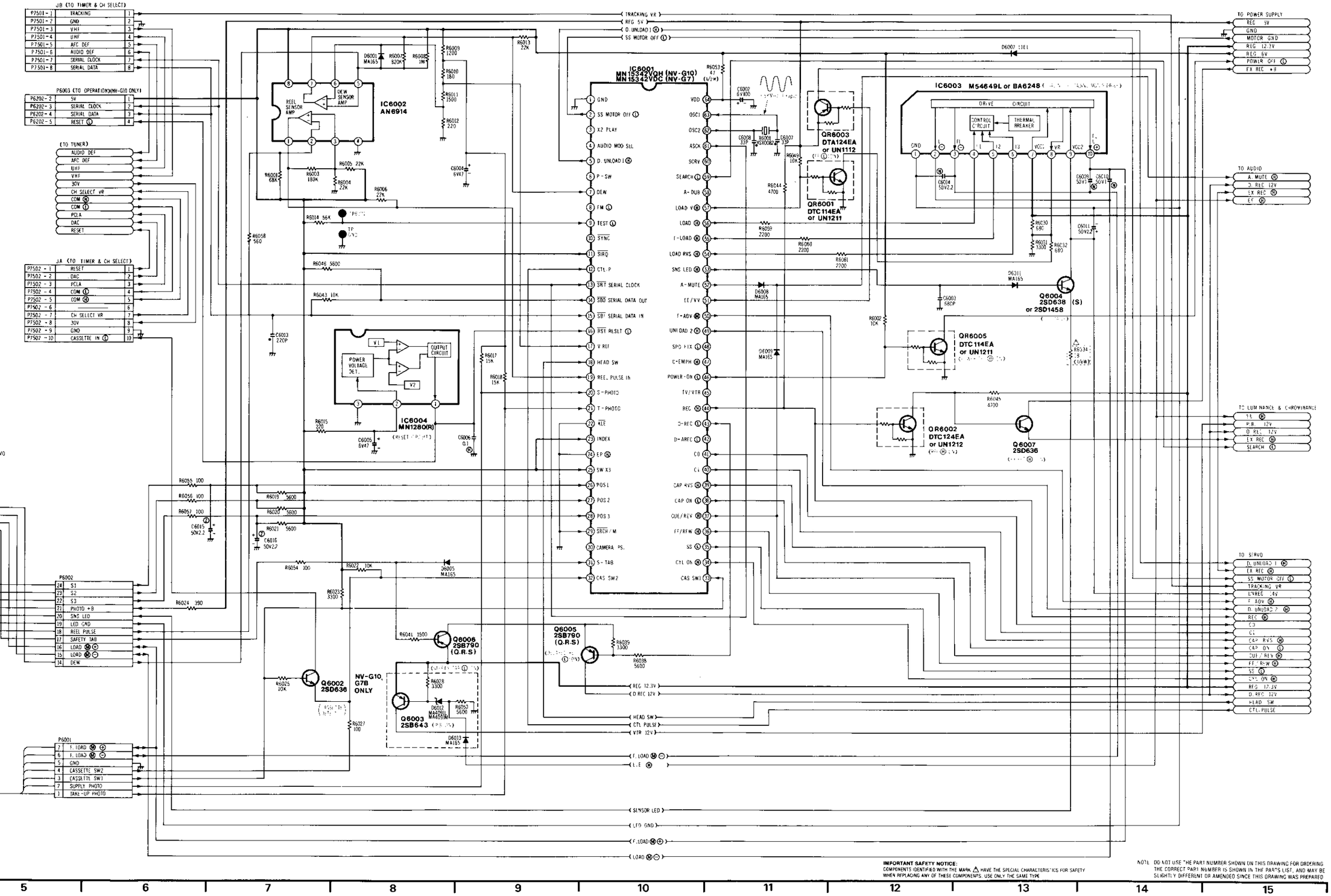
NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

Next Page:
SYSTEM CONTROL Section

3-6. SYSTEM CONTROL SCHEMATIC DIAGRAM







SYSTEM CONTROL SCHEMATIC	
Transistor	
Q1502	E-1
Q1503	D-1
Q6002	B-7
Q6003	B-8
Q6004	E-13
Q6005	C-9
Q6006	B-9
Q6007	D-13
Transistor & Resistor	
QR6001	F-11
QR6002	D-12
QR6003	G-11
QR6005	E-13
Integrated Circuit	
IC1501	F-1
IC6001	G-10
IC6002	G-8
IC6003	G-12
IC6004	D-8
Test Point	
TP6001	F-8
TP GND	F-8
Connector	
PJ006	C-2
P1510	D-2
P1511	E-3
P1513	D-3
P1514	C-3
P1515	B-3
P1516	C-3
P1517	D-4
P1518	G-1
P6001	B-5
P6002	C-5
P6003	G-5
JA	E-5
JB	G-5

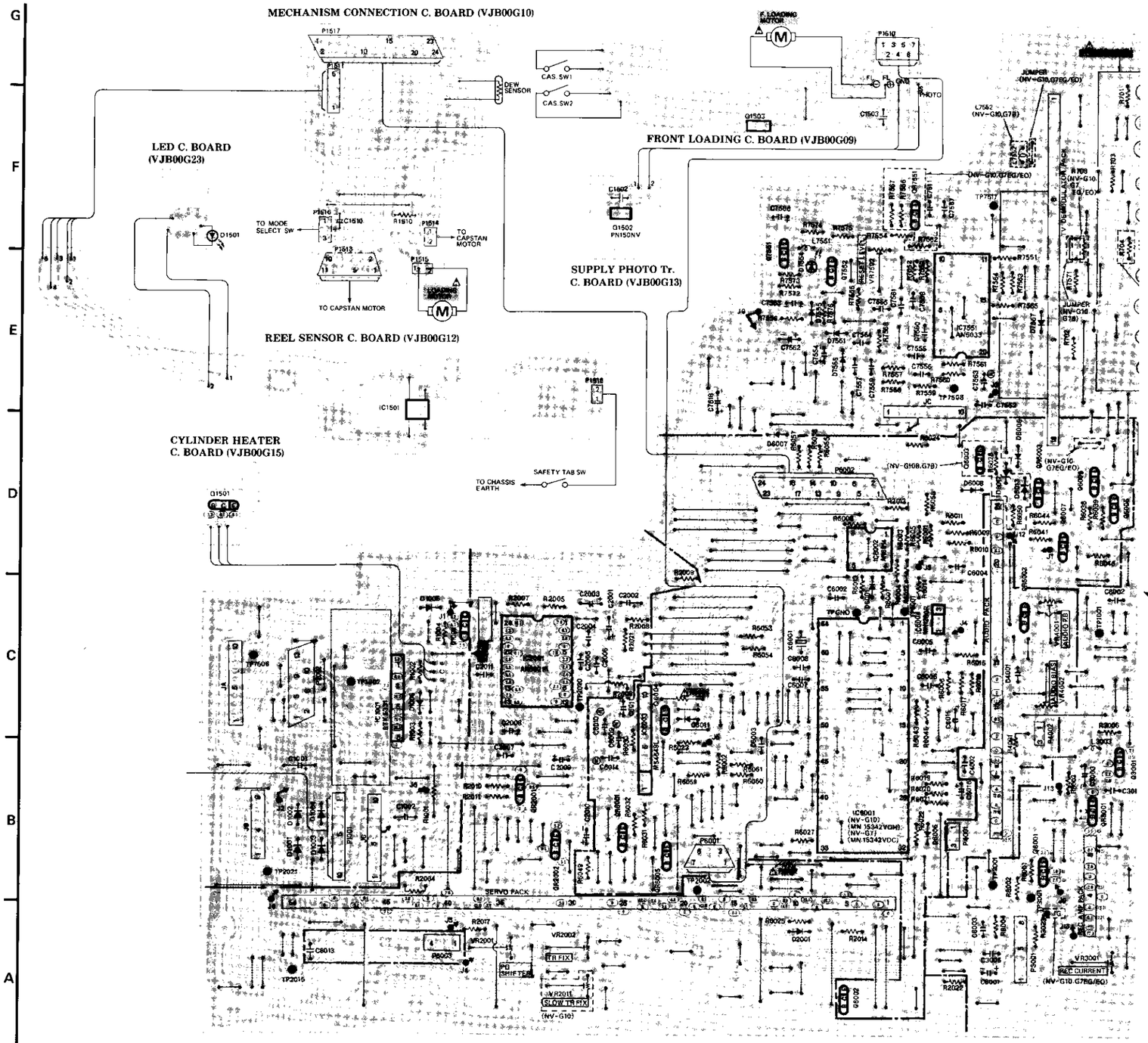
ADDRESS INFORMATION

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

NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED

5 6 7 8 9 10 11 12 13 14 15

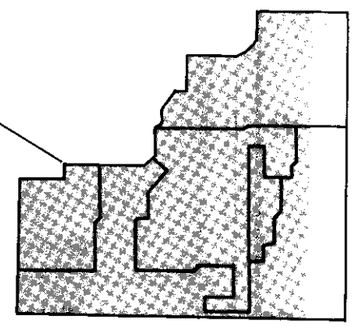
3-7. SYSTEM CONTROL SECTION In Main Circuit Board (VEP06333F: NV-G10EG) (VEP06333H: NV-G10B) (VEP06333G: NV-G10EO) (VEP06333P: NV-G7EG) (VEP06333L: NV-G7B) (VEP06333N: NV-G7EO)



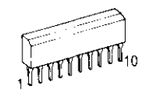
3—7

SYSTEM CONTROL SECTION	
Transistor	
Q1502	F-7
Q1503	F-8
Q6002	A-9
Q6003	D-9 (NV-G10, G7B)
Q6004	C-7
Q6005	D-10
Q6006	D-10
Q6007	D-10
Transistor & Resistor	
QR6001	B-7
QR6002	C-10
QR6003	D-10
QR6005	B-7
Integrated Circuit	
IC1501	E-6
IC6001	B-9
IC6002	D-9
IC6003	C-7
IC6004	C-9
Test Point	
TP6001	C-9
TP GND	C-9

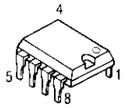
ADDRESS INFORMATION



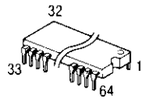
ICs & TRANSISTORs INFORMATION



M54649L
BA6248

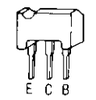


AN6914

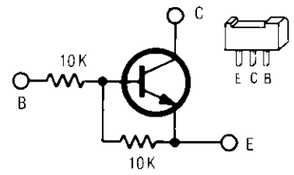


MN15342VQH (NV-G10)
MN15342VDC (NV-G7)

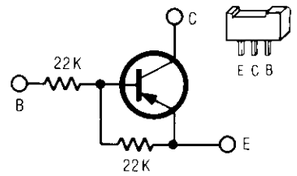
MN1280



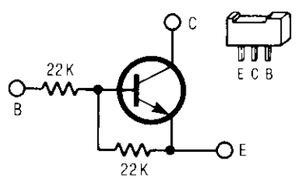
2SD636
2SD638
2SB643
2SB790



DTC114EA



DTA124EA



DTC124EA

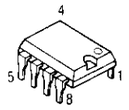
SYSTEM

REF. NO.	
MODE	1
STOP	0
PLAY	0
REC	0
F.F	0
REW	0
REF. NO.	
MODE	21
STOP	3.3
PLAY	3.3
REC	3.3
F.F	3.3
REW	3.3
REF. NO.	
MODE	41
STOP	0
PLAY	5.1
REC	5.1
F.F	5.1
REW	5.1
REF. NO.	
MODE	61
STOP	4.8
PLAY	4.8
REC	4.8
F.F	4.8
REW	4.8
REF. NO.	
MODE	1
STOP	0
PLAY	0
REC	0
F.F	0
REW	0

SYSTEM

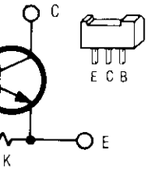
REF. NO.	
MODE	E
STOP	0.9
PLAY	0.9
REC	0.9
F.F	0.9
REW	0.9
REF. NO.	
MODE	E
STOP	0
PLAY	0
REC	0
F.F	0
REW	0

ORs INFORMATION

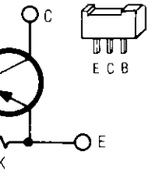


AN6914

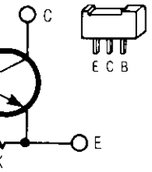
MN1280



C114EA



A124EA



C124EA

SYSTEM CONTROL ICs VOLTAGE CHART

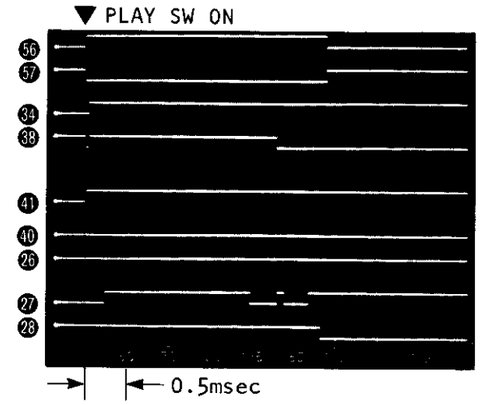
REF. NO.	IC6001																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	0	0	5.1	0	0	5.1	0	5.1	5.2	3.9	5.3	0.1	4.8	4.9	4.9	5.3	3.0	0	5.0	3.3
PLAY	0	5.1	5.1	0	0	5.1	0	5.1	5.2	3.9	5.3	0.2	4.8	4.9	4.9	5.3	3.0	2.6	—	3.3
REC	0	5.1	5.1	0	0	5.1	0	5.1	5.2	3.9	5.3	3.0	4.8	4.9	4.9	5.3	3.0	2.6	—	3.3
F.F	0	0.1	5.1	0	0	5.1	0	5.1	5.2	3.9	5.3	0.1	4.8	4.9	4.9	5.3	3.0	0	2.7	3.3
REW	0	0.1	5.1	0	0	5.1	0	5.1	5.2	3.9	5.3	0.1	4.8	4.9	4.9	5.3	3.0	0	2.7	3.3
REF. NO.	IC6001																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
STOP	3.3	0	5.3	0	5.3	5.3	0.1	5.3	0	5.1	1.2	0.9	4.5	0.1	5.1	0	0.1	5.1	0	0
PLAY	3.3	0	5.3	0	5.3	5.3	5.3	0.1	0	5.1	1.2	0.9	4.5	5.1	5.1	0	0	0	0	0
REC	3.3	0	5.3	0	5.3	5.3	5.3	0.1	0	5.1	1.2	0.9	4.5	5.1	5.1	0	0	0	0	0
F.F	3.3	0	5.3	0	5.3	0.1	5.3	0.1	0	5.1	1.2	0.9	4.5	0	5.1	5.1	0	0	0	5.1
REW	3.3	0	5.3	0	5.3	0.1	5.3	0.1	0	5.1	1.2	0.9	4.5	0	5.1	5.1	0	0	5.1	5.1
REF. NO.	IC6001																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
STOP	0	0.7	12.3	0.2	0.3	0.1	0	5.1	0	0	0.1	0	0	0	0	0	5.0	0	5.1	5.1
PLAY	5.1	0.5	12.3	0.2	0.3	0.1	0	5.1	0	0	5.1	0	0.6	0	0	0	5.0	0	5.1	5.1
REC	5.1	0	0.3	4.3	0.3	0.1	0	5.1	0	0	0.1	0	0.6	0	0	0	5.0	0	5.1	5.1
F.F	5.1	0.8	12.3	0.2	12.3	0.1	0	5.1	0	0	0	0	0.6	0	0	0	5.0	0	5.1	5.1
REW	5.1	0.8	12.3	0.2	12.3	0.1	0	5.1	0	0	0	0	0.6	0	0	0	5.0	0	5.1	5.1
REF. NO.	IC6001										IC6002									
MODE	61	62	63	64							1	2	3	4	5	6	7	8		
STOP	4.8	2.1	2.2	5.1							5.0	0.3	2.7	0	0	0.4	0	5.3		
PLAY	4.8	2.1	2.2	5.1							—	—	2.7	0	0	0.4	0	5.3		
REC	4.8	2.1	2.2	5.1							—	—	2.7	0	0	0.4	0	5.3		
F.F	4.8	2.1	2.2	5.1							2.7	2.4	2.7	0	0	0.4	0	5.3		
REW	4.8	2.1	2.2	5.1							2.7	2.4	2.7	0	0	0.4	0	5.3		
REF. NO.	IC6003										IC6004									
MODE	1	2	3	4	5	6	7	8	9	10	1	2	3							
STOP	0	0.2	0.2	0	0	0	12.3	5.6	16.2	0.2	5.3	5.3	0							
PLAY	0	0.2	0.2	0	0	0	12.3	5.6	16.2	0.2	5.3	5.3	0							
REC	0	0.2	0.2	0	0	0	12.3	5.6	16.2	0.2	5.3	5.3	0							
F.F	0	0.2	0.2	0	0	0	12.3	5.6	16.2	0.2	5.3	5.3	0							
REW	0	0.2	0.2	0	0	0	12.3	5.6	16.2	0.2	5.3	5.3	0							

SYSTEM CONTROL TRANSISTORs VOLTAGE CHART

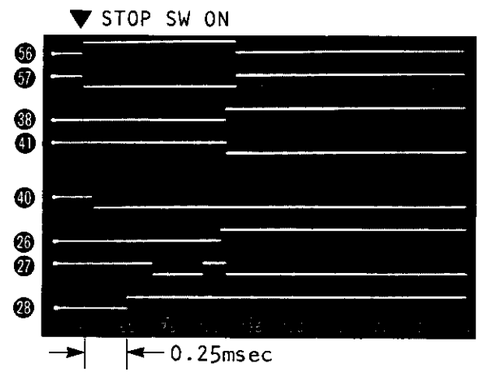
REF. NO.	Q6002			Q6003			Q6004			Q6005			Q6006			Q6007		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	0.9	1.0	1.6	12.3	12.2	11.6	0.1	16.2	0.5	12.3	0	12.3	12.3	12.3	11.6	5.1	5.3	5.9
PLAY	0.9	1.0	1.6	12.3	12.2	11.6	0.6	16.2	0.9	12.3	0	12.3	12.3	12.3	11.6	5.1	5.3	5.9
REC	0.9	1.0	1.6	12.3	12.2	11.6	0.6	16.2	1.0	12.3	12.2	11.6	12.3	12.3	11.6	0	5.3	0
F.F	0.9	1.0	1.6	12.3	0	12.3	0.6	16.2	0.9	12.3	0	12.3	12.3	12.3	11.6	5.1	5.3	5.9
REW	0.9	1.0	1.6	12.3	0	12.3	0.6	16.2	1.0	12.3	0	12.3	12.3	12.3	11.6	5.1	5.3	5.9
REF. NO.	QR6001			QR6002			QR6003			QR6005								
MODE	E	C	B	E	C	B	E	C	B	E	C	B						
STOP	0	0	5.0	0	5.9	0.2	5.1	5.1	0.1	0	13.6	0.1						
PLAY	0	0	5.0	0	5.9	0.2	5.1	0.1	5.1	0	13.6	0.1						
REC	0	0	5.0	0	0	4.3	5.1	5.1	0.1	0	13.6	0.1						
F.F	0	0	5.0	0	5.9	0.2	5.1	5.1	0	0	13.0	0.1						
REW	0	0	5.0	0	5.9	0.2	5.1	5.1	0	0	13.6	0.1						

MICROPROCESSOR IC6001 (MN15342VQH/MN15342VDC) MODE BY MODE TIMING CHART

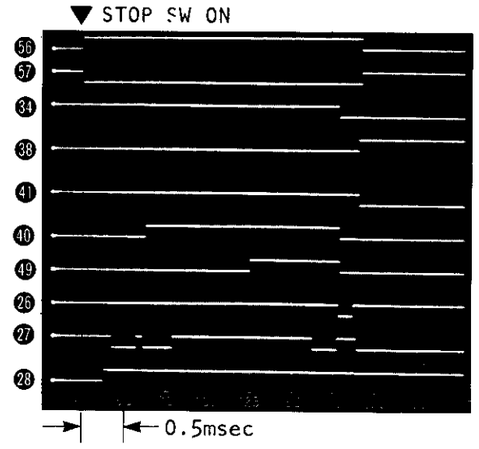
STOP → PLAY
IC Pin No.



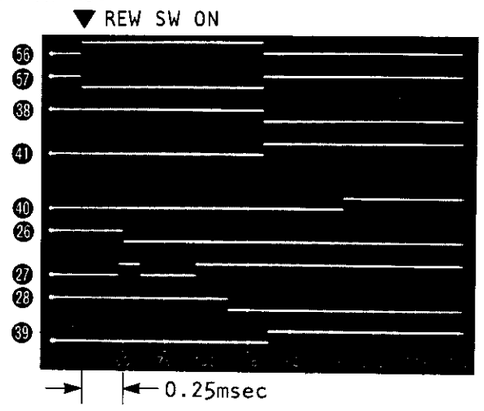
FF → STOP
IC Pin No.



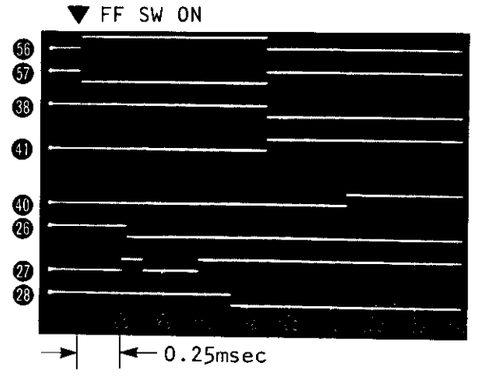
PLAY → STOP
IC Pin No.



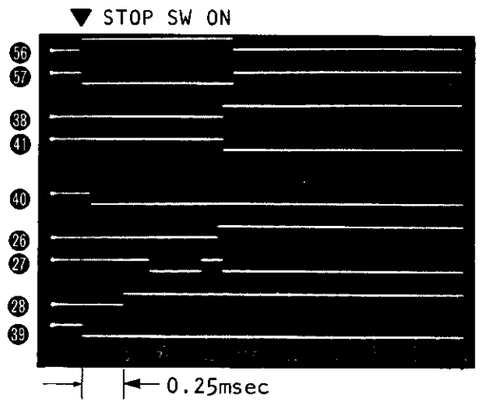
STOP → REW
IC Pin No.



STOP → FF
IC Pin No.

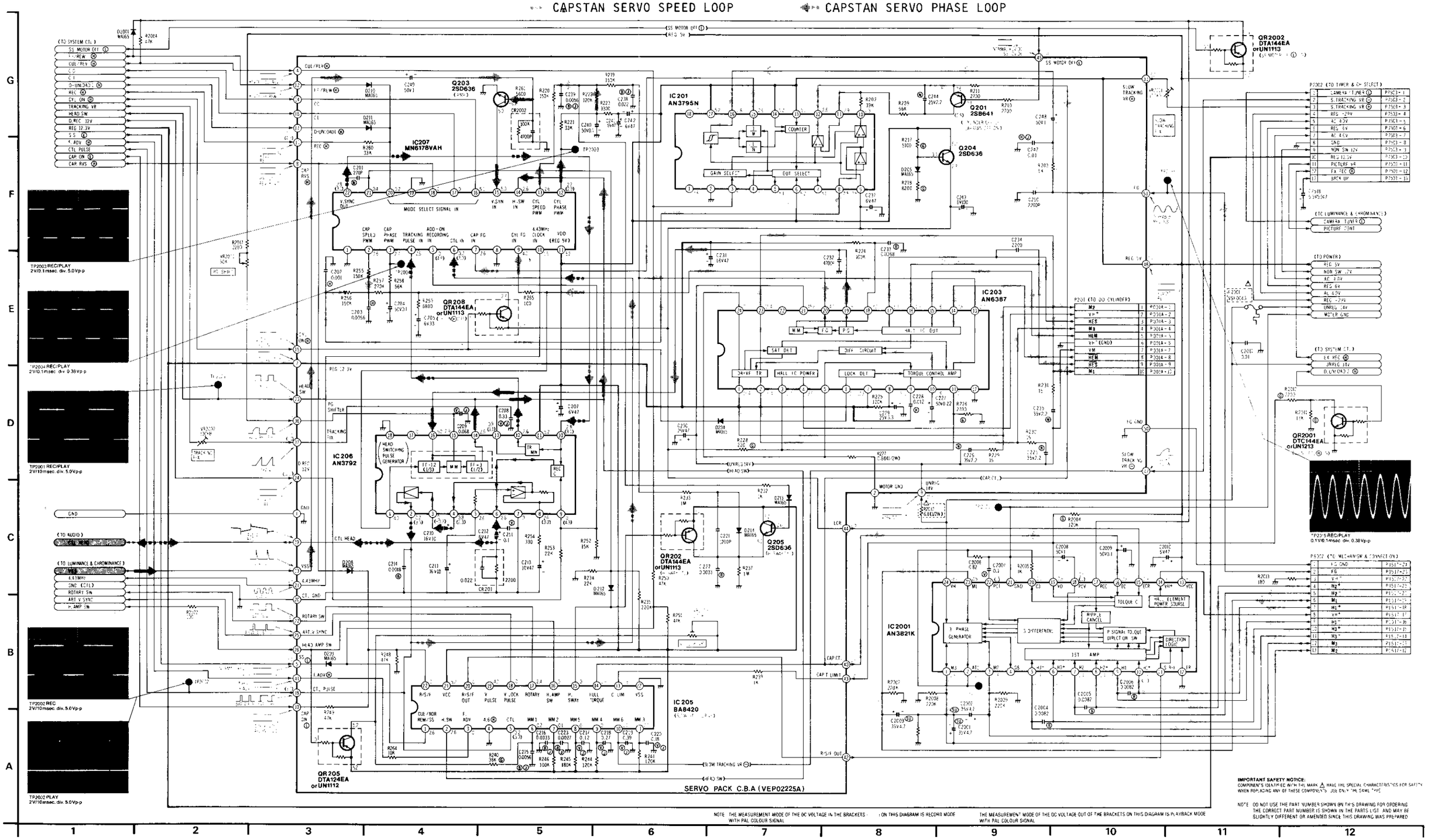


REW → STOP
IC Pin No.



3-8. SERVO SCHEMATIC DIAGRAM

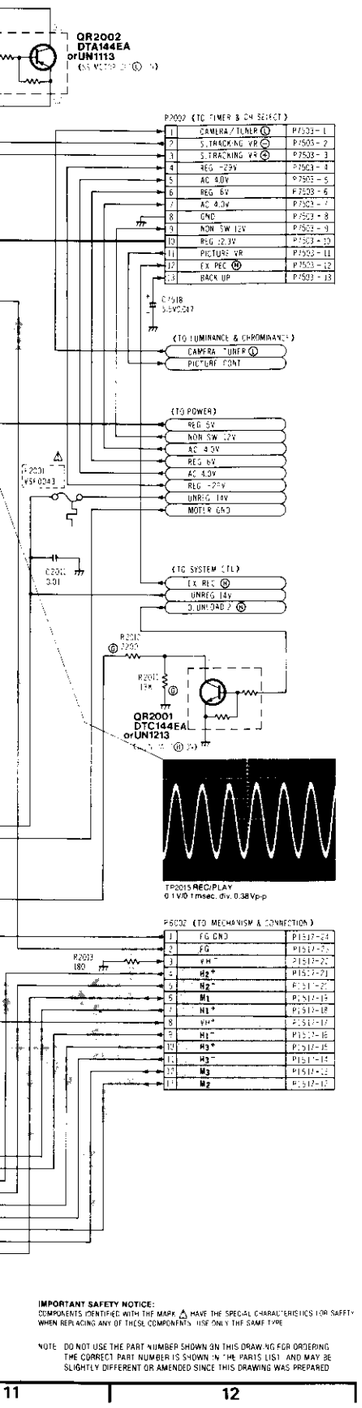
CYLINDER SERVO SPEED LOOP
CAPSTAN SERVO SPEED LOOP
CYLINDER SERVO PHASE LOOP
CAPSTAN SERVO PHASE LOOP



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

Back Page:
SYSTEM CONTROL Section

3-9. SERVO SECTION In Main Circuit Board
(VEP06333F: VEP6333H: NV-G10B) (VEP06333G: NV-G10EO)

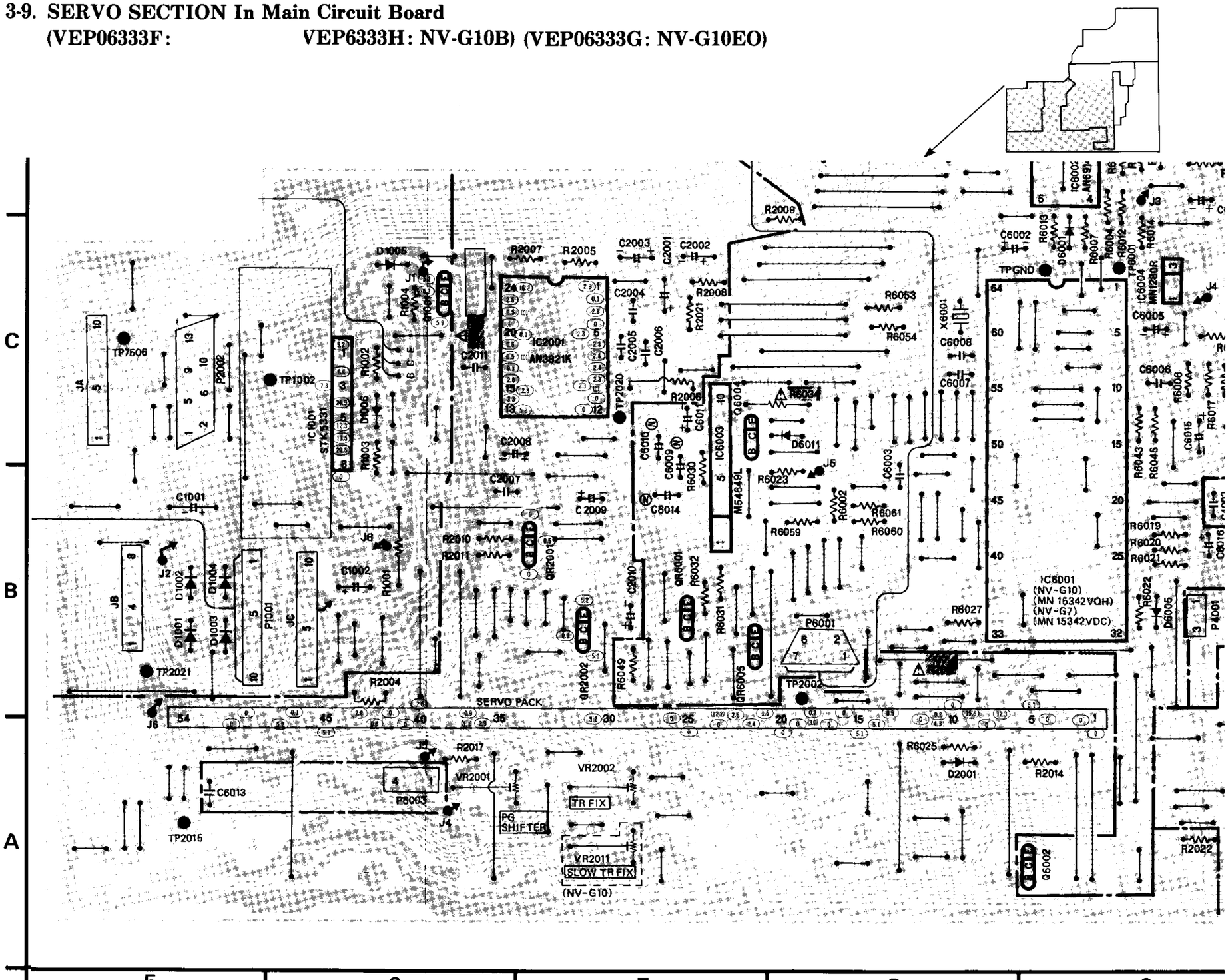


SERVO & SERVO PACK SCHEMATIC (NV-G10)	
Transistor	
Q201	G-9
Q203	G-4
Q204	F-9
Q205	C-7
Transistor & Resistor	
QR202	C-6
QR205	A-3
QR208	E-4
QR2001	D-12
QR2002	G-11
Integrated Circuit	
IC201	G-6
IC203	E-9
IC205	B-6
IC206	D-3
IC207	F-4
IC2001	B-8
Test Point	
TP2001	D-2
TP2002	B-2
TP2003	F-5
TP2004	E-4
TP2015	F-10
TP2020	B-9
TP2021	C-9
Adjustment	
VR2001	E-2
VR2002	D-2
VR2003	B-6
VR2011	G-10
Connector	
P201	E-10
P2002	G-12
P6002	C-12

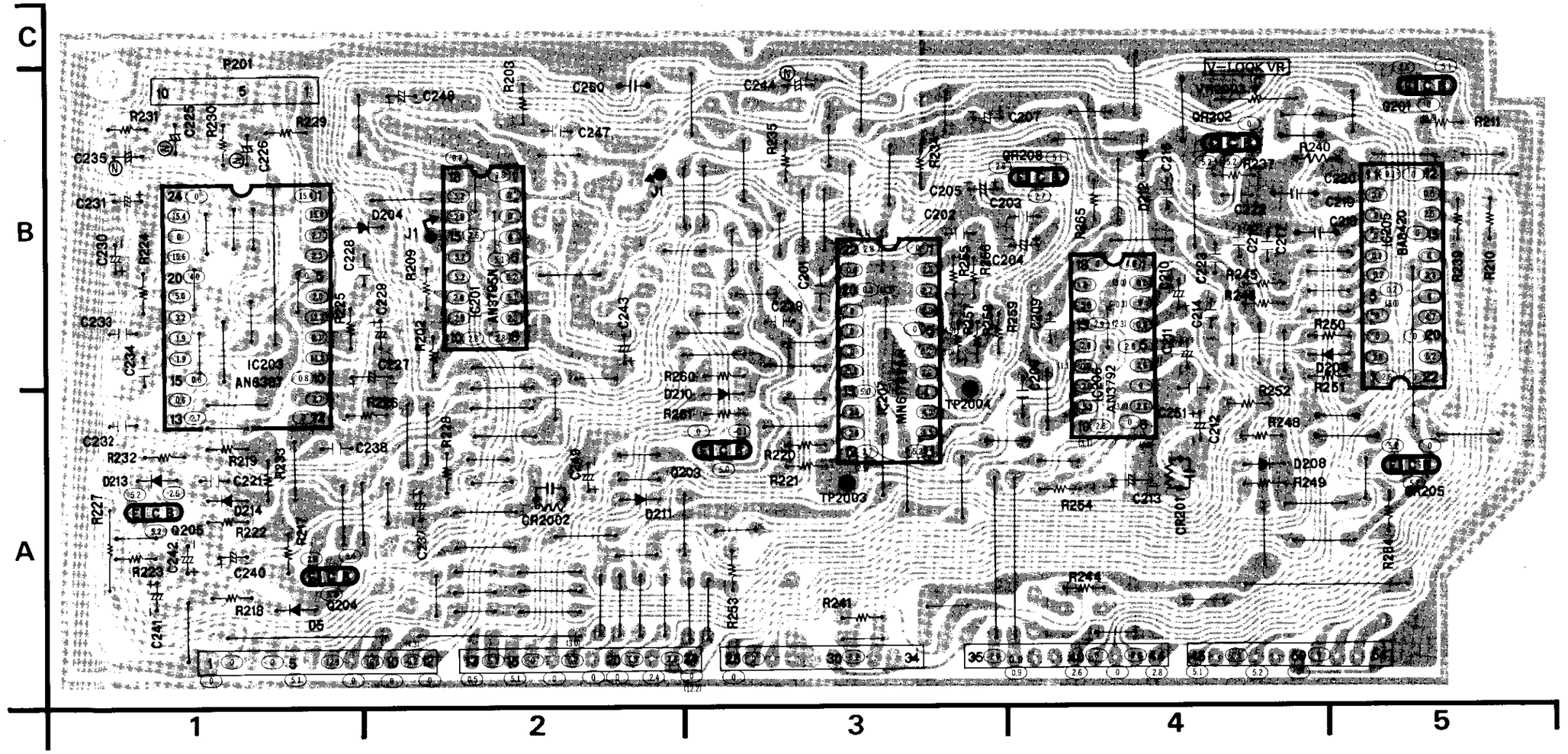
ADDRESS INFORMATION

SERVO SECTION	
Transistor & Resistor	
QR2001	B-7
QR2002	B-7
Integrated Circuit	
IC2001	C-7
Test Point	
TP2001	B-9
TP2002	B-8
TP2015	A-5
TP2020	C-7
TP2021	B-5
Adjustment	
VR2001	A-6
VR2002	A-7
VR2011	A-7 (NV-G10B/EG/EO)

ADDRESS INFORMATION



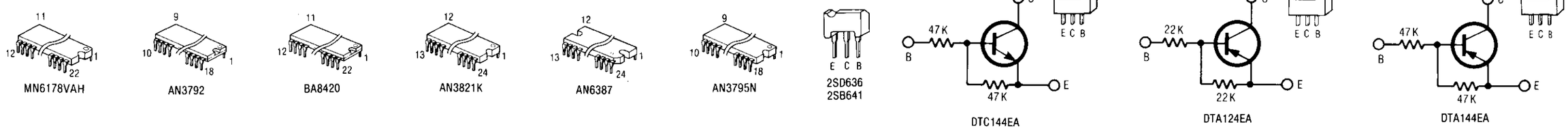
3-10. SERVO PACK CIRCUIT BOARD (VEP02225A: NV-G10)



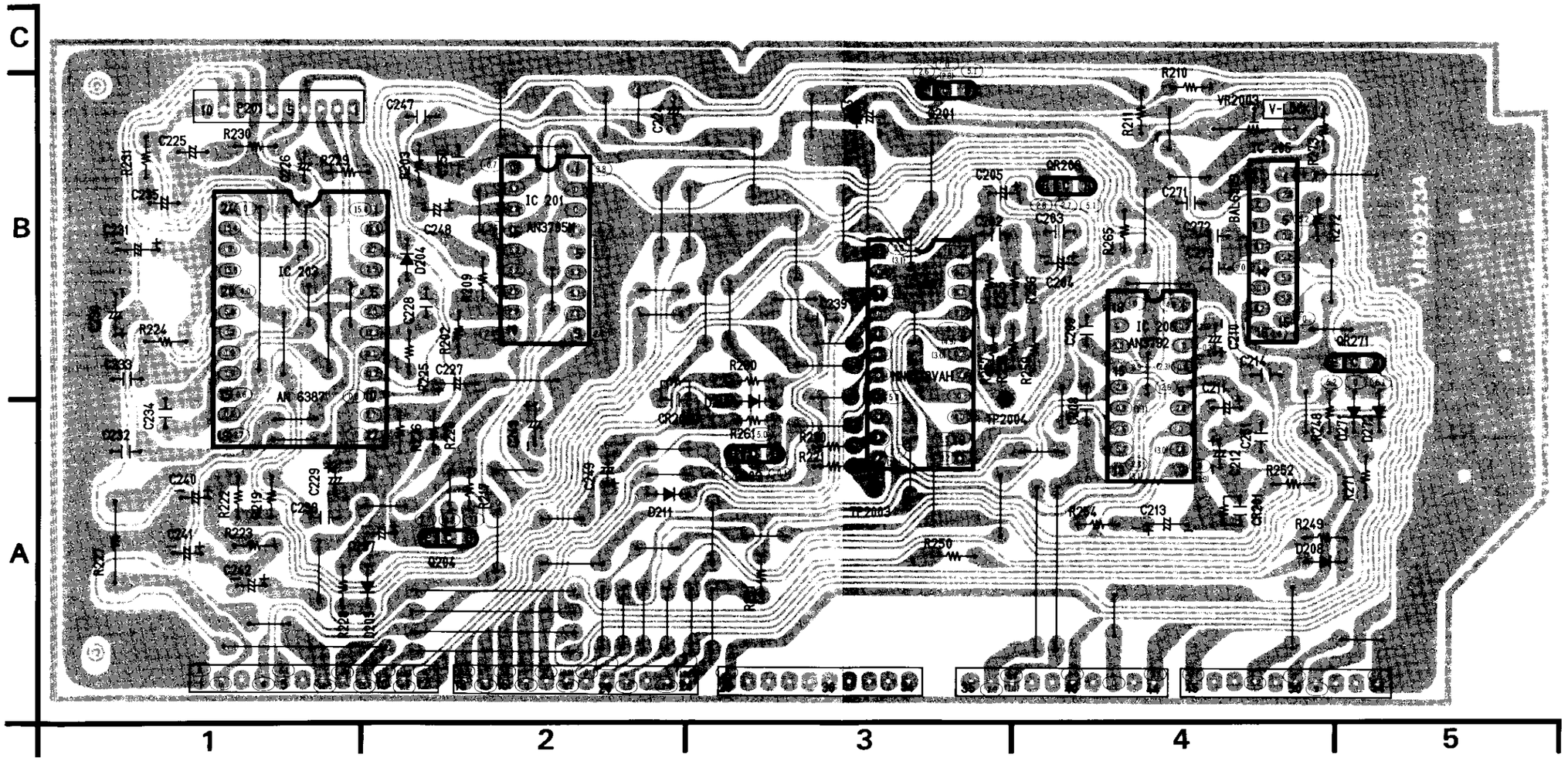
SERVO PACK CIRCUIT BOARD (NV-G10)	
Transistor	
Q201	B-5
Q203	A-3
Q204	A-1
Q205	A-1
Transistor & Resistor	
QR202	B-4
QR205	A-5
QR208	B-4
Integrated Circuit	
IC201	B-2
IC203	B-1
IC205	B-5
IC206	A-4
IC207	B-3
Test Point	
TP2003	A-3
TP2004	B-3
Adjustment	
VR2003	C-4

ADDRESS INFORMATION

ICs & TRANSISTORs INFORMATION



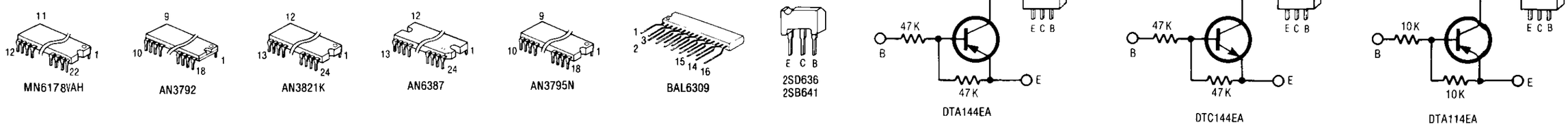
3-11. SERVO PACK CIRCUIT BOARD (VEP02234A : NV-G7)



SERVO PACK CIRCUIT BOARD (NV-G7)	
Transistor	
Q201	B-3
Q203	A-3
Q204	A-2
Transistor & Resistor	
QR208	B-4
QR271	B-5
Integrated Circuit	
IC201	B-2
IC203	B-1
IC205	B-4
IC206	B-4
IC207	B-3
Test Point	
TP2003	A-3
TP2004	A-3
Adjustment	
VR2003	B-4

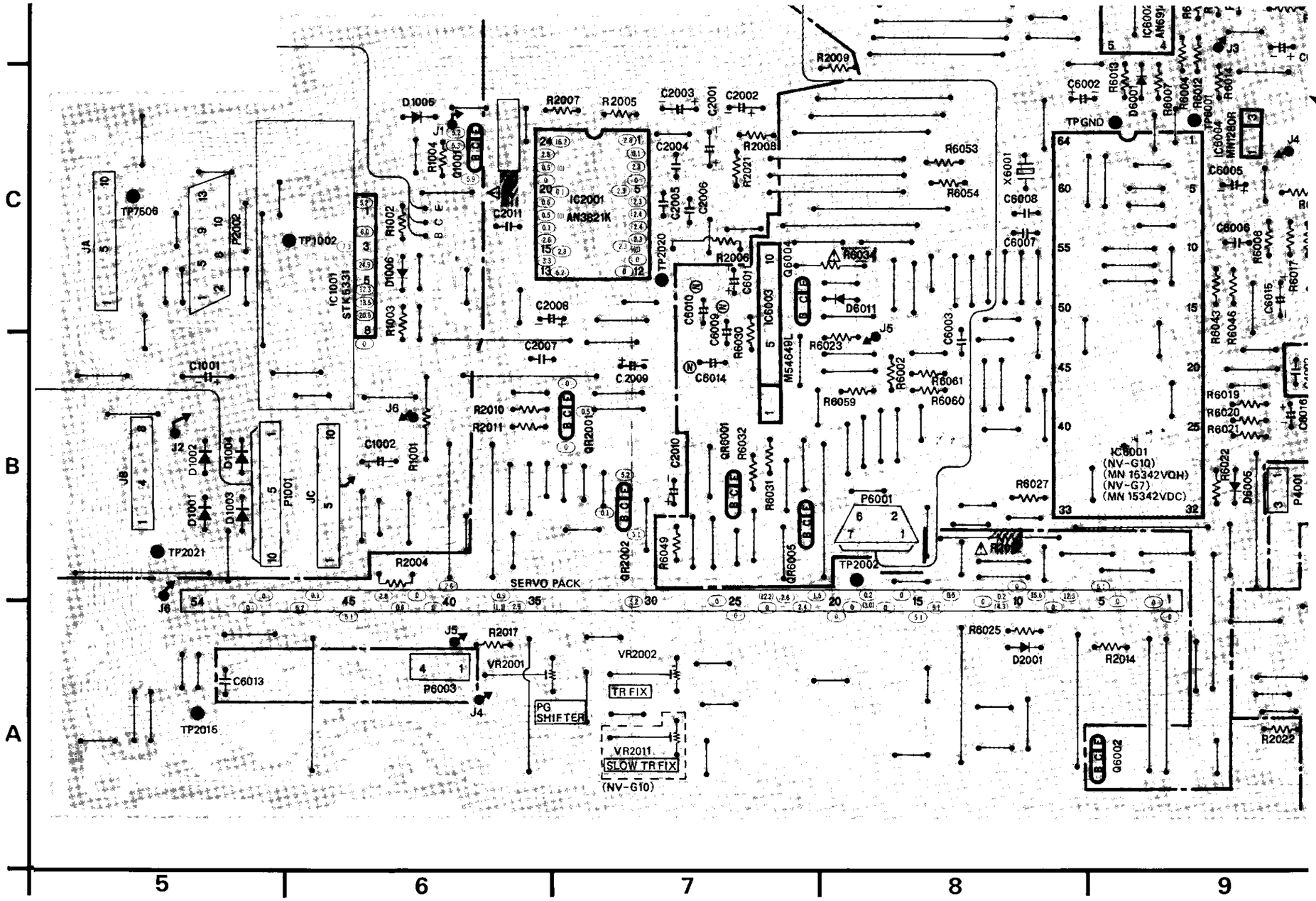
ADDRESS INFORMATION

ICs & TRANSISTORs INFORMATION



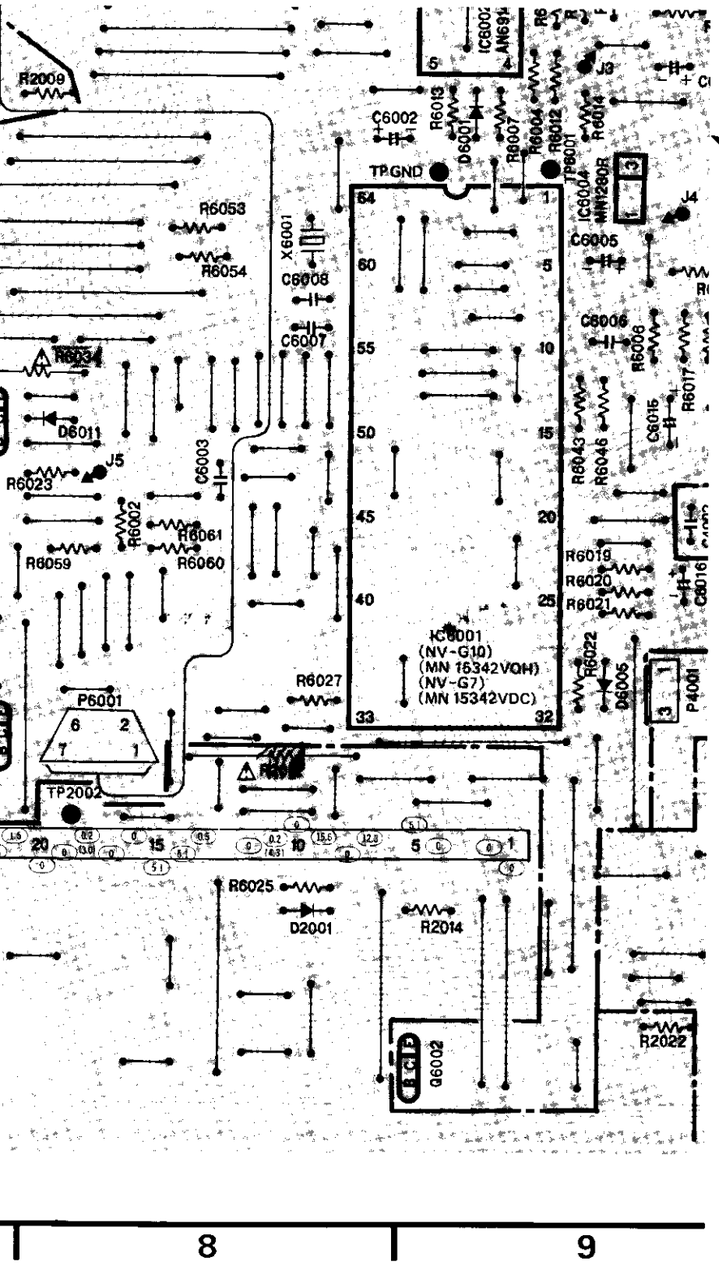
Back Page: SERVO Section

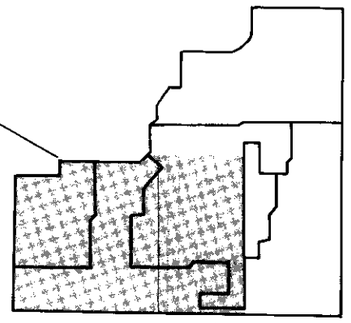
3-12. SERVO Section In Main Circuit Board (VEP06333P: NV-G7EG) (VEP06333L: NV-G7B) (VEP06333N: NV-G7EO)



SERVO SECTION	
Transistor & Resistor	
QR2001	B-7
QR2002	B-7
Integrated Circuit	
IC2001	C-7
Test Point	
TP2001	B-9
TP2002	B-8
TP2015	A-5
TP2020	C-7
TP2021	B-5
Adjustment	
VR2001	A-6
VR2002	A-7
VR2011	A-7 (NV-G10B/EG/EO)

ADDRESS INFORMATION

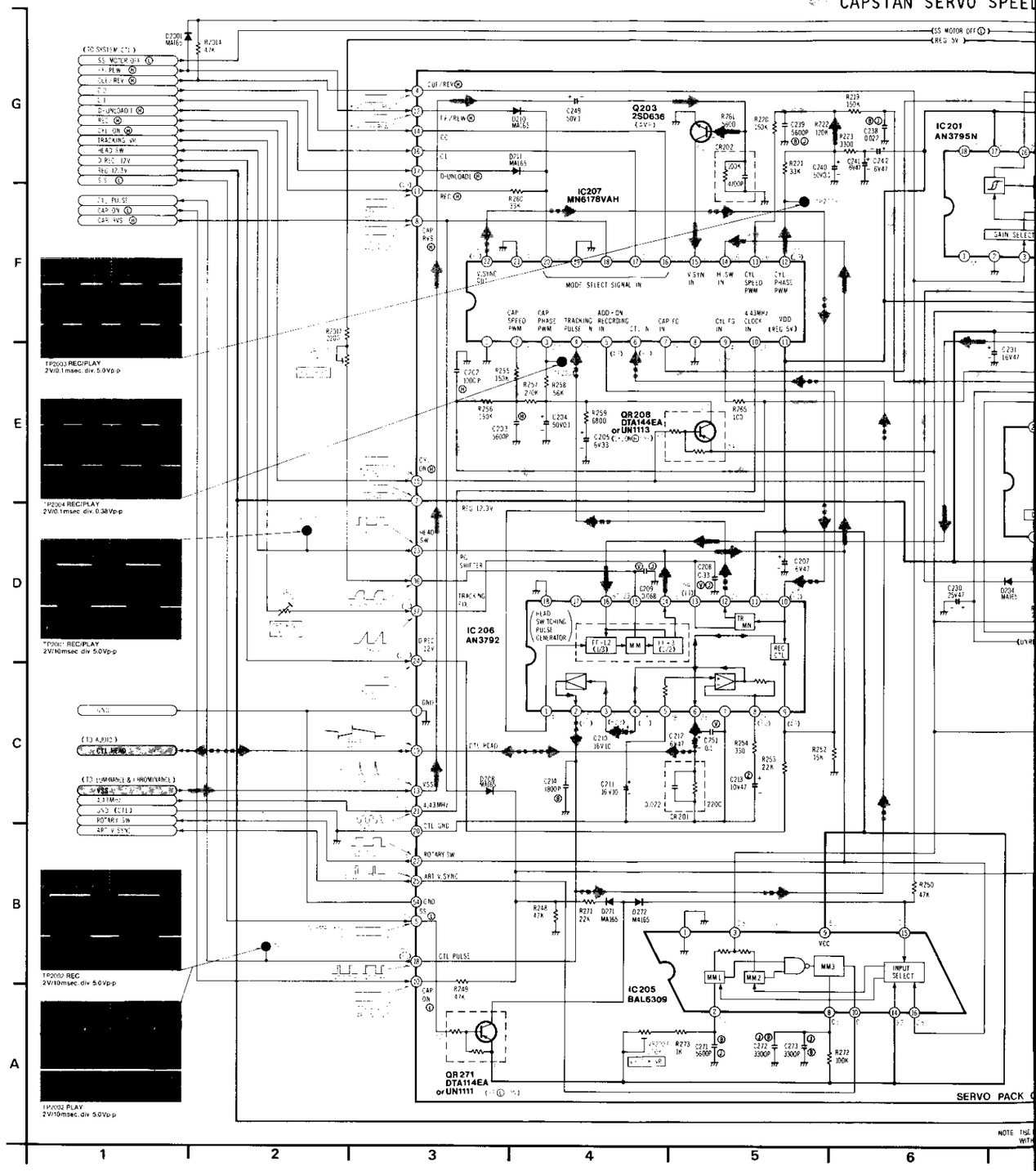




SERVO SECTION	
Transistor & Resistor	
QR2001	B-7
QR2002	B-7
Integrated Circuit	
IC2001	C-7
Test Point	
TP2001	B-9
TP2002	B-8
TP2015	A-5
TP2020	C-7
TP2021	B-5
Adjustment	
VR2001	A-6
VR2002	A-7
VR2011	A-7 (NV-G10B/EG/EO)

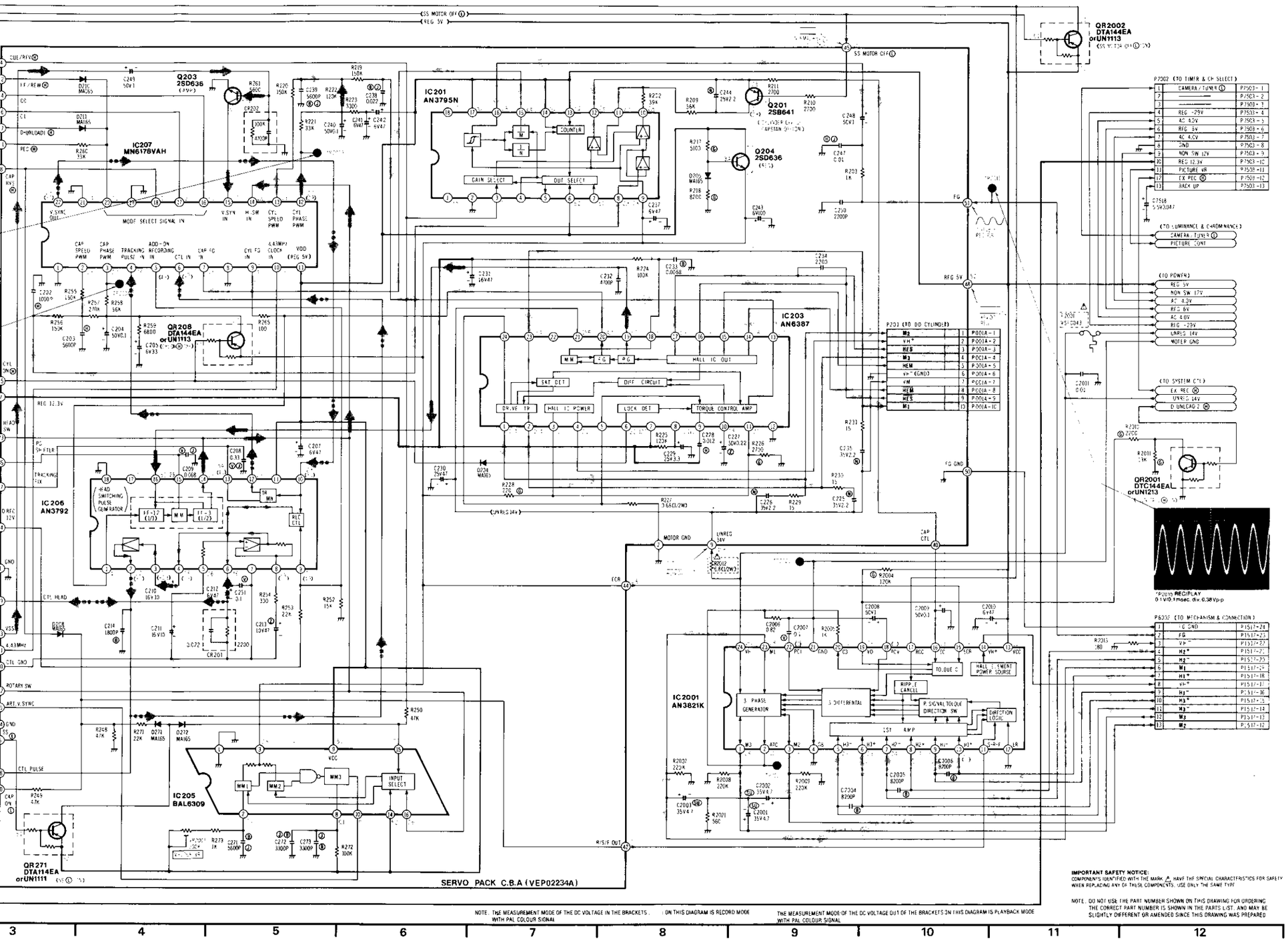
ADDRESS INFORMATION

3-13. SERVO SCHEMATIC DIAGRAM (NV-G7)



RAM (NV-G7)

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



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

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

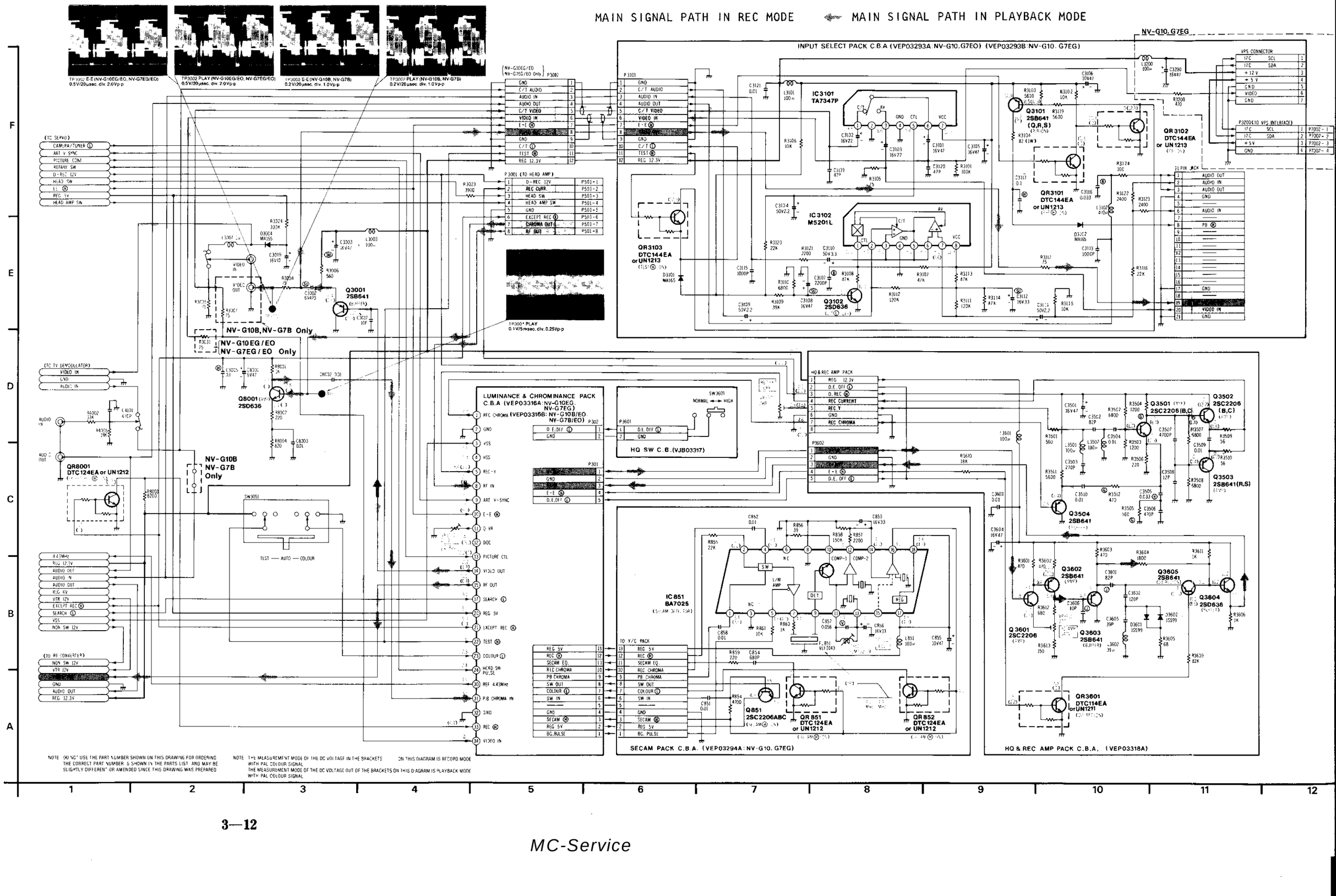
NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED

SERVO & SERVO PACK SCHEMATIC (NV-G7)	
Transistor	
Q201	G-9
Q203	G-4
Q204	F-9
Transistor & Resistor	
QR271	A-3
QR208	E-4
QR2001	D-12
QR2002	G-11
Integrated Circuit	
IC201	G-6
IC203	E-9
IC205	A-4
IC206	D-3
IC207	F-4
IC2001	B-8
Test Point	
TP2001	D-2
TP2002	B-2
TP2003	F-5
TP2004	E-4
TP2015	F-10
TP2020	B-9
TP2021	C-9
Adjustment	
VR2001	E-2
VR2002	D-2
VR2003	A-4
Connector	
P201	E-10
P2002	G-12
P6002	C-12

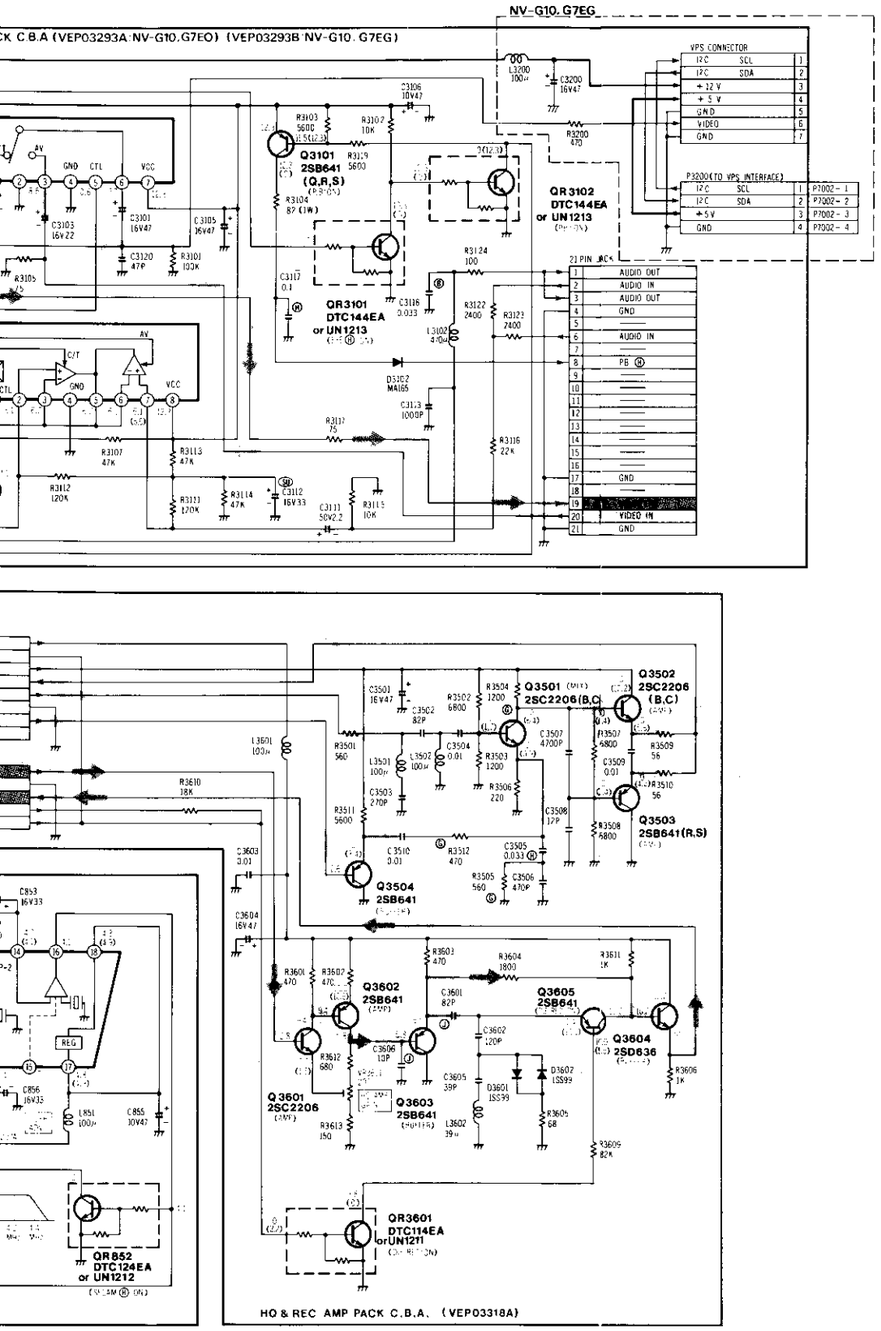
ADDRESS INFORMATION

Next Page:
LUMINANCE & CHROMINANCE Section

3-14. LUMINANCE & CHROMINANCE SCHEMATIC DIAGRAM



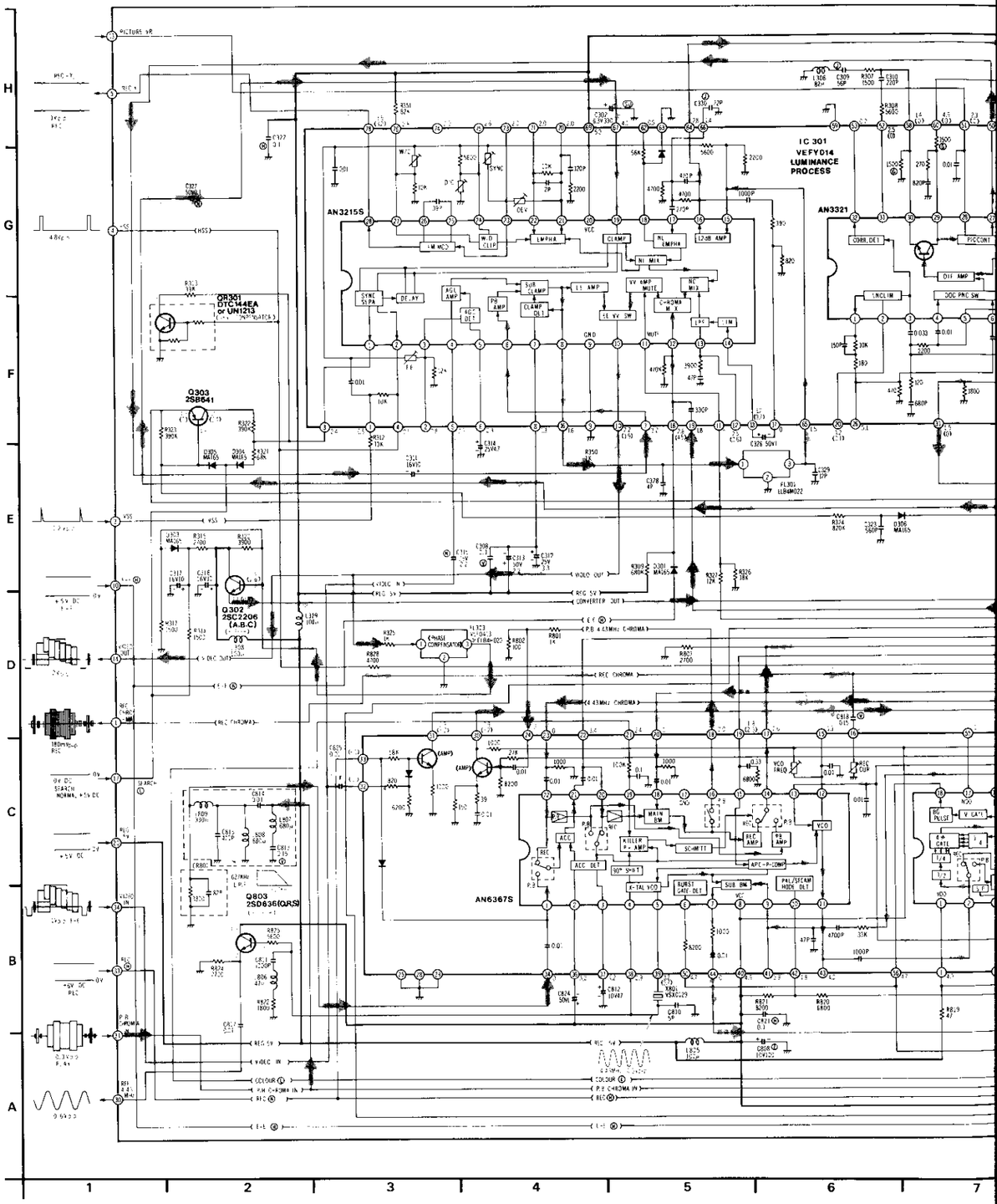
AIN SIGNAL PATH IN PLAYBACK MODE



LUMINANCE & CHROMINANCE SCHEMATIC DIAGRAM	
Transistor	
Q851	A-7
Q3001	E-3
Q3101	F-9
Q3102	E-8
Q3501	D-11
Q3502	D-11
Q3503	C-11
Q3504	C-10
Q3601	B-9
Q3602	B-10
Q3603	B-10
Q3604	B-11
Q3605	B-11
Q8001	D-3
Transistor & Resistor	
QR851	A-7
QR852	A-8
QR3101	F-10
QR3102	F-11
QR3103	E-8
QR3601	A-10
QR8001	C-1
Integrated Circuit	
IC851	B-6
IC3101	F-8
IC3102	E-8
Test Point	
TP3001	D-3
TP3002	E-3
Adjustment	
T851	B-8
VR3001	D-7
VR3051	C-4
VR3601	B-10
Connector	
P301	C-6
P302	D-6
P3001	F-5
P3002	F-5
P3101	F-6
P3200	F-11
P3601	D-6
P3602	C-8

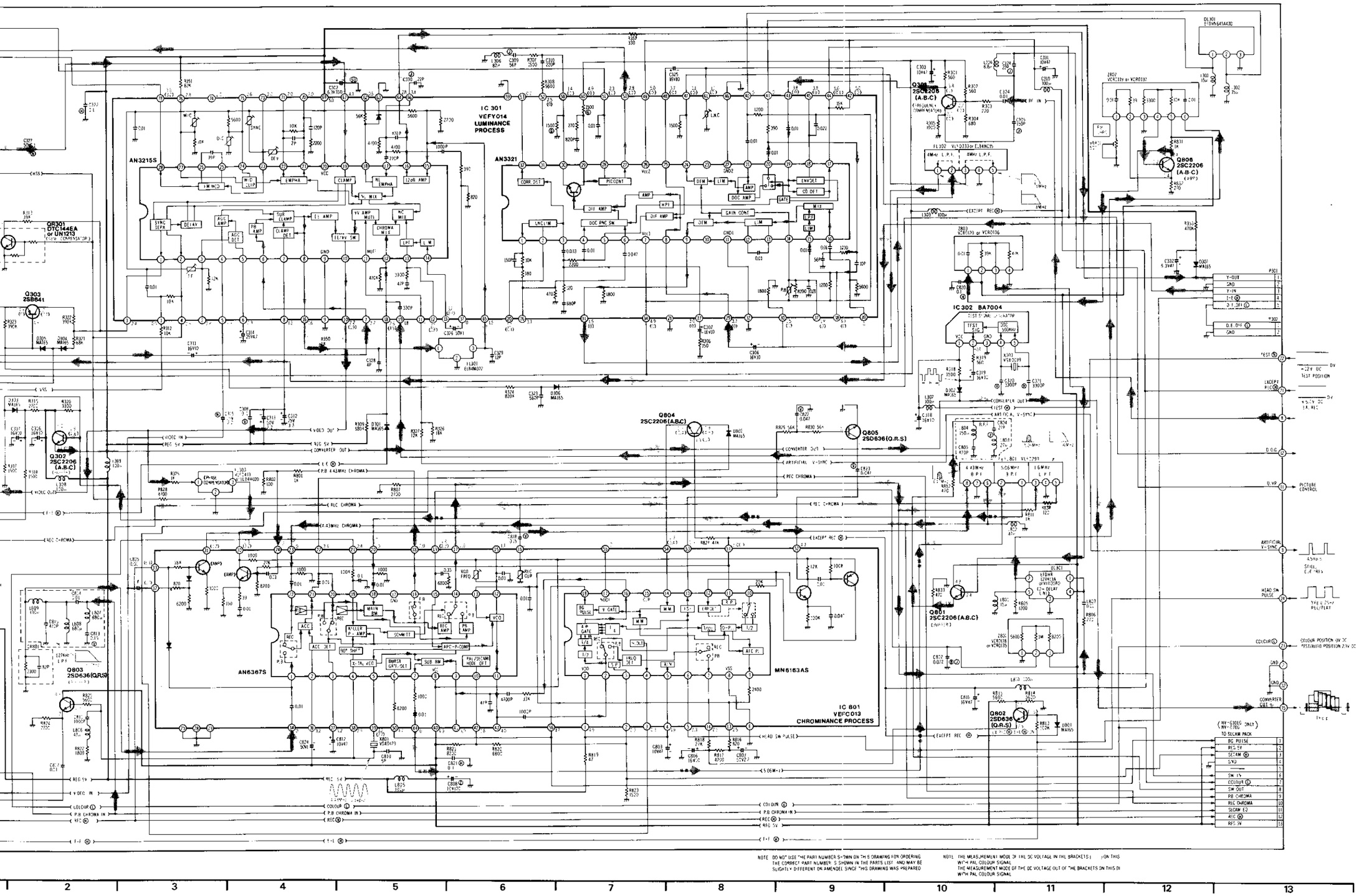
ADDRESS INFORMATION

3-15. LUMINANCE & CHROMINANCE PACK SCHEMATIC DIAGRAM



ANCE & CHROMINANCE PACK SCHEMATIC DIAGRAM

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



NOTE DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED

NOTE THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS WITH PAL COLOUR SIGNAL
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DI WITH PAL COLOUR SIGNAL

LUMINANCE & CHROMINANCE PACK SCHEMATIC DIAGRAM	
Transistor	
Q301	H-10
Q302	D-2
Q303	F-2
Q801	C-10
Q802	B-11
Q803	B-2
Q804	E-8
Q805	E-9
Q806	G-12
Transistor & Resistor	
QR301	F-2
Integrated Circuit	
IC301	H-6
IC302	F-10
IC801	B-9
Adjustment	
VR801	G-11
Connector	
P301	F-13
P302	F-13
P801	F-13

ADDRESS INFORMATION

IC301 (VEFY014)

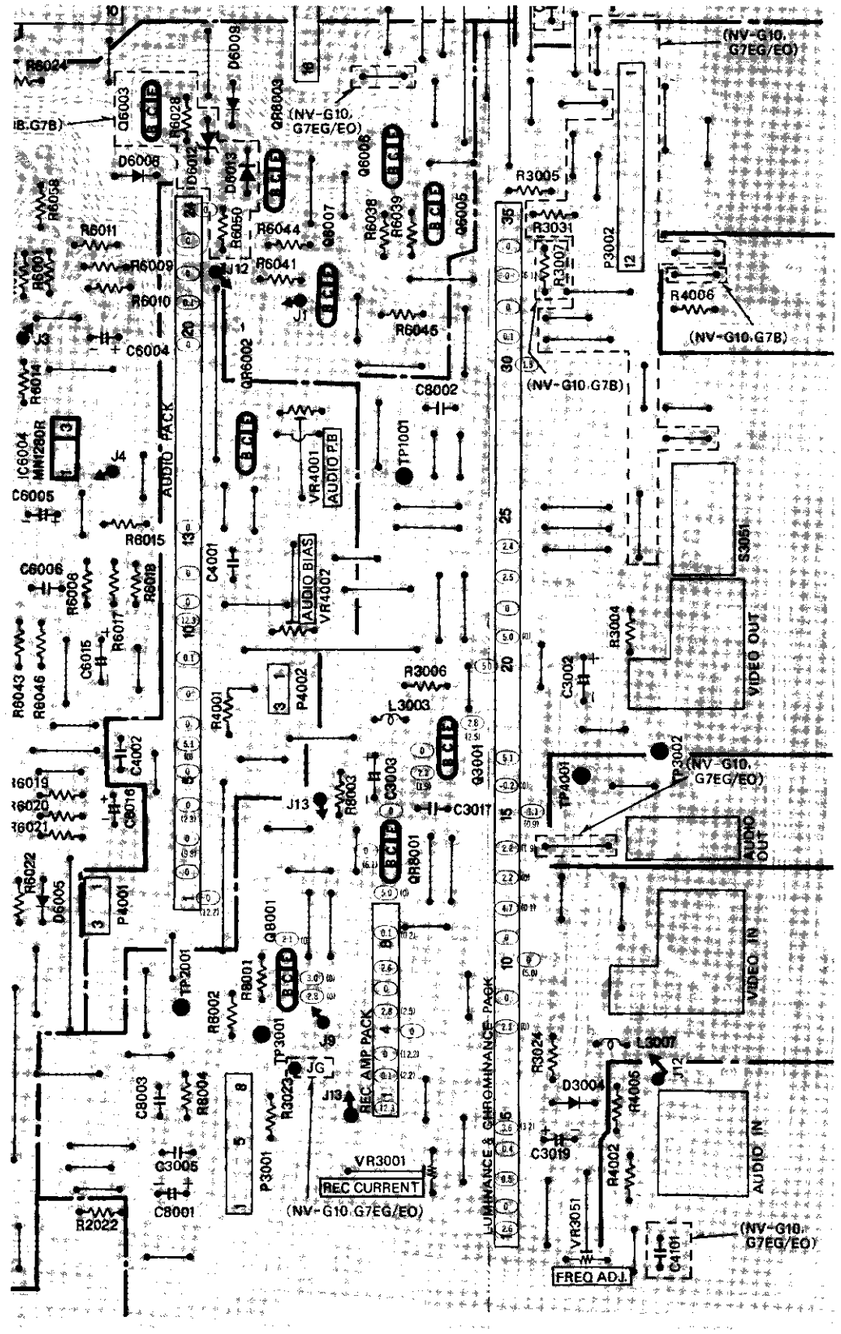
PIN NO.	WAVEFORM	PIN NO.	WAVEFORM
1	2.5Vp-p (REC/P.B)	40	0.1V p-p (P.B)
3	0.8Vp-p (REC/P.B)	41	0.4V p-p (P.B)
4	5.0Vp-p (REC/P.B)	43	0.7V p-p (P.B)
5	1.0Vp-p (REC/P.B)	47	0.6V p-p (P.B)
7	0.3Vp-p (P.B)	50	0.2V p-p (P.B)
10	2.2Vp-p (REC/P.B)	64	1.2V p-p (REC/P.B)
11	2.7V p-p (PAUSE/ STILL)	65	0.3V p-p (REC/P.B)
16	0.6V p-p (REC)	66	0.6V p-p (REC/P.B)
16	0.6V p-p (P.B)	67	1.2V p-p (REC/P.B)
18, 19	0.5V p-p (P.B)	70	0.8V p-p (REC)
31	0.7V p-p (P.B)	71	0.3V p-p (REC)
39	0.25V p-p (P.B)	78	1.0V p-p (REC)

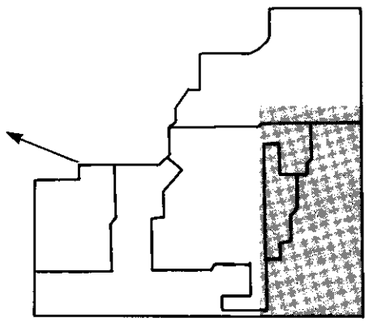
IC801 (VEFC013)

PIN NO.	WAVEFORM	PIN NO.	WAVEFORM
3	5.0V p-p (REC/P.B)	32	1.0V p-p (REC/P.B)
5	5.0V p-p (REC/P.B)	34	0.3V p-p (P.B)
16	0.2V p-p (REC)	38	0.6V p-p (REC/P.B)
17	1.2V p-p (REC) 1.0V p-p (P.B)	39	0.7V p-p (REC/P.B)
18	0.6V p-p (REC) 1.5V p-p (P.B)	44	0.35V p-p (REC/P.B)
20	0.2V p-p (REC/P.B)	50	5V p-p (REC/P.B)
22	0.6V p-p (REC) 0.5V p-p (P.B)	52	0.8V p-p (P.B)
23	0.25V p-p (REC) 0.6V p-p (P.B)	53	5.0V p-p (REC/P.B)
24	150mV p-p (P.B)	54	5.0V p-p (REC)
30, 31	1.1V p-p (REC)	54	4.5V p-p (P.B)
30, 31	1.0V p-p (P.B)	56	5.0Vp-p (REC/P.B)

3-16. LUMINANCE & CHROMINANCE Section In Main Circuit Board

(VEP06333F: NV-G10EG) (VEP06333H: ... ...) (VEP06333G: ... O)
(VEP06333P: NV-G7EG) (VEP06333L: NV-G7B) (VEP06333N: NV-G7EO)



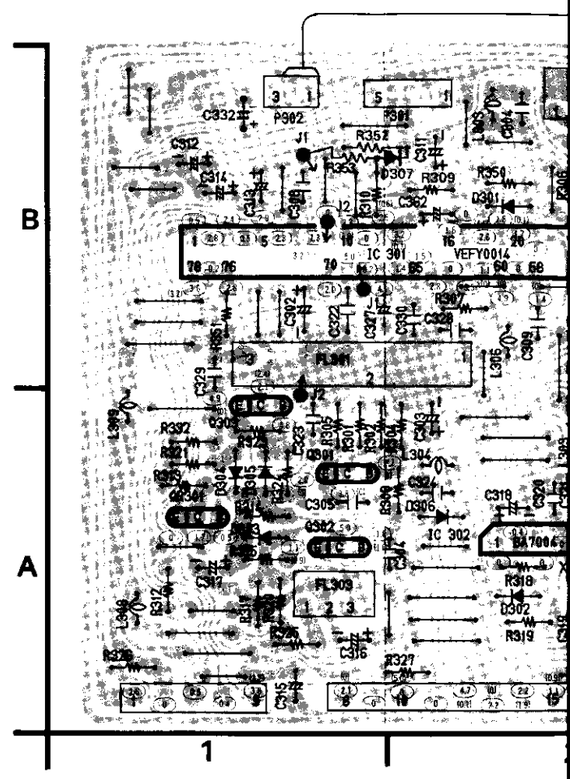


LUMINANCE & CHROMINANCE PACK CIRCUIT BOARD	
Transistor	
Q301	A-1
Q302	A-1
Q303	A-1
Q801	B-3
Q802	A-2
Q803	A-4
Q804	A-2
Q805	A-3
Q806	B-3
Transistor & Resistor	
QR301	A-1
Integrated Circuit	
IC301	B-2
IC302	A-2
IC801	A-3
Adjustment	
VR801	B-4

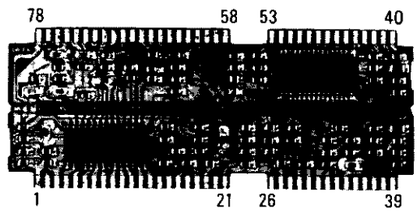
ADDRESS INFORMATION

3-17. LUMINANCE & CHROMINANC

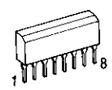
(VEP03316A: ...



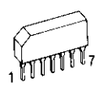
ICs & TRANSISTORs INFORMATION



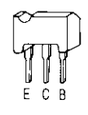
VEFY014



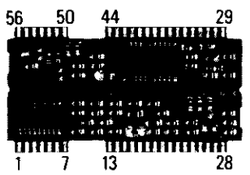
M5201L
(NV-G10, G7EG/EO)



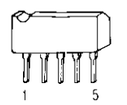
TA7347P
(NV-G10, G7EG/EO)



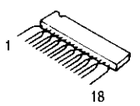
2SD636
2SB641
2SC2206



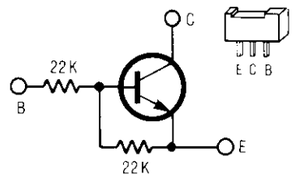
VEFC013



BA7004

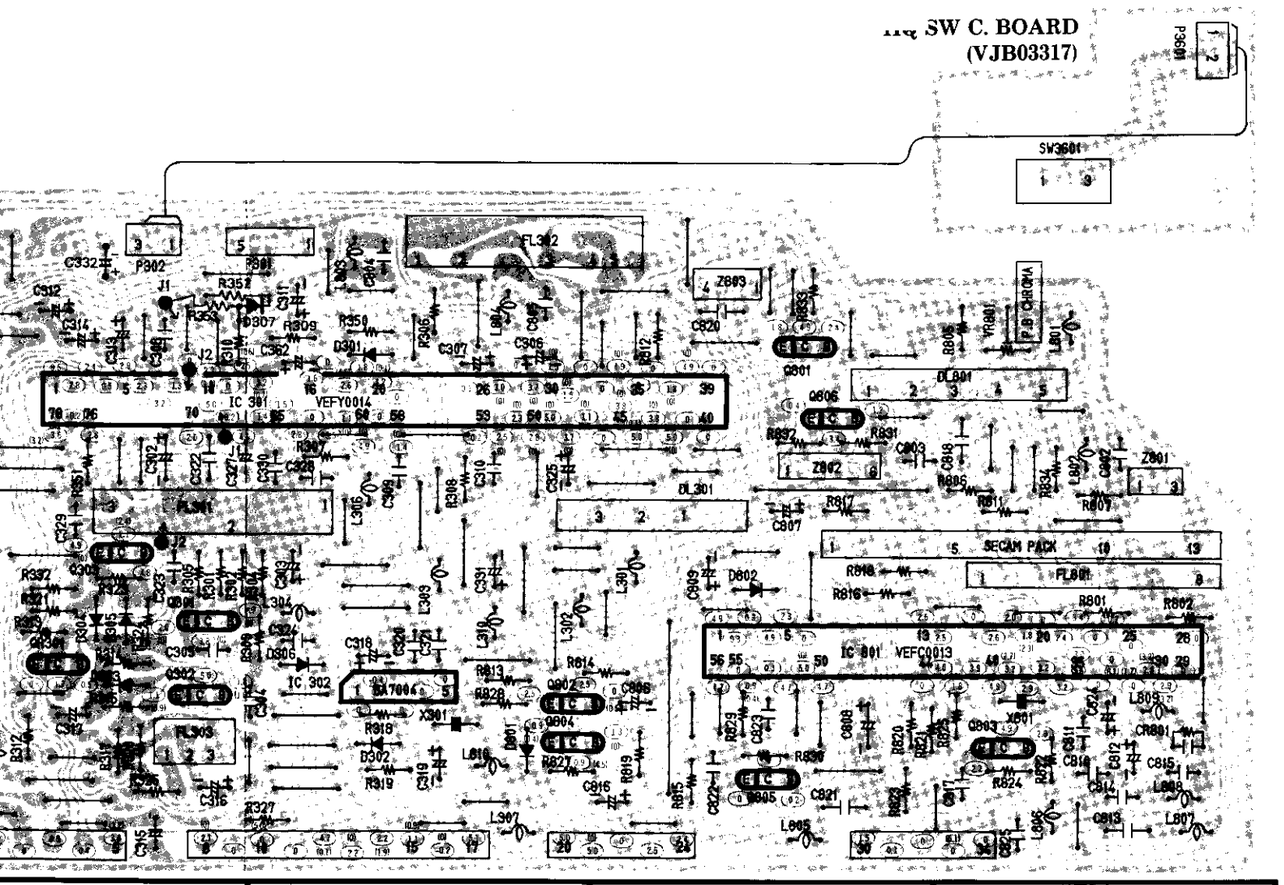


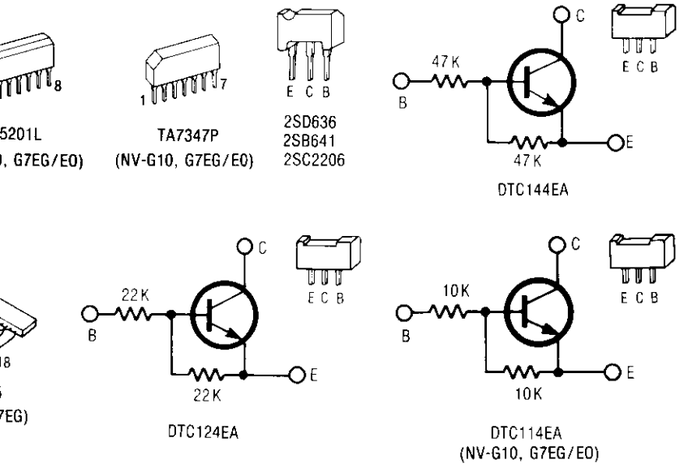
BA7025
(NV-G10, G7EG)



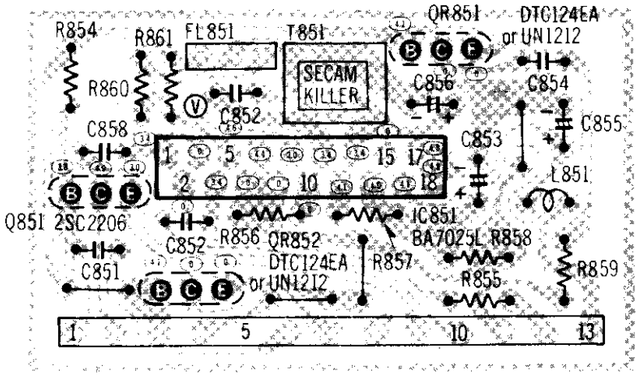
DTC124EA

MINANCE & CHROMINANCE PACK CIRCUIT BOARD
P03316A:

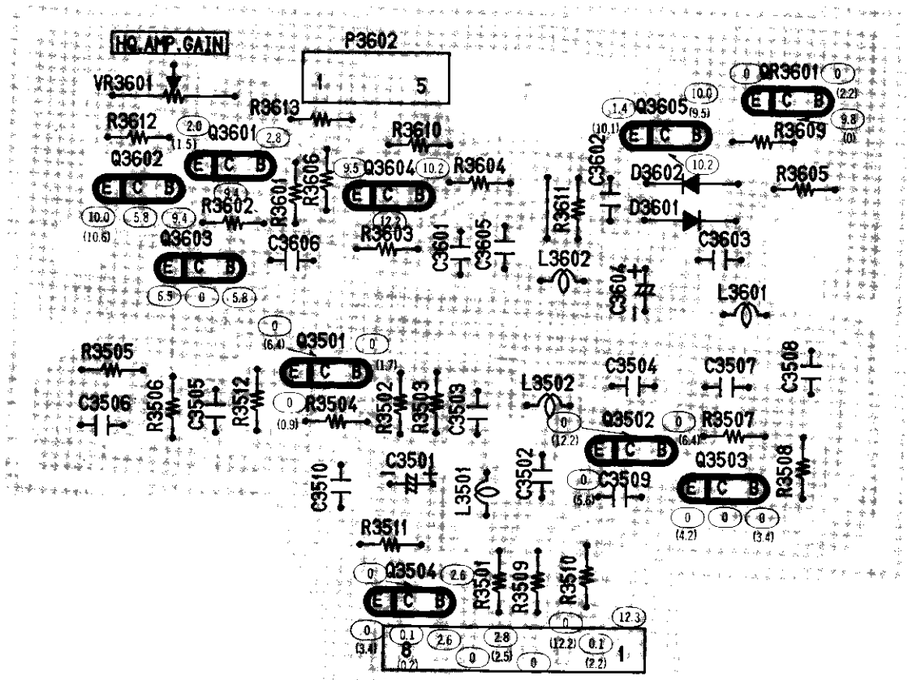




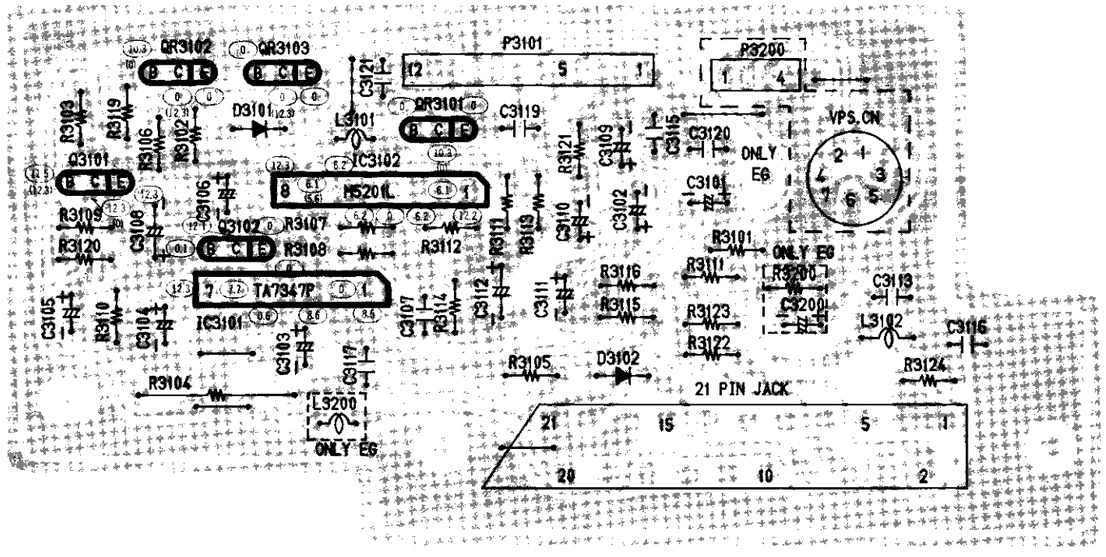
3-18. SECAM PACK CIRCUIT BOARD (VEP03294A



3-19. HQ & REC AMP PACK CIRCUIT BOARD (VEP03318A)

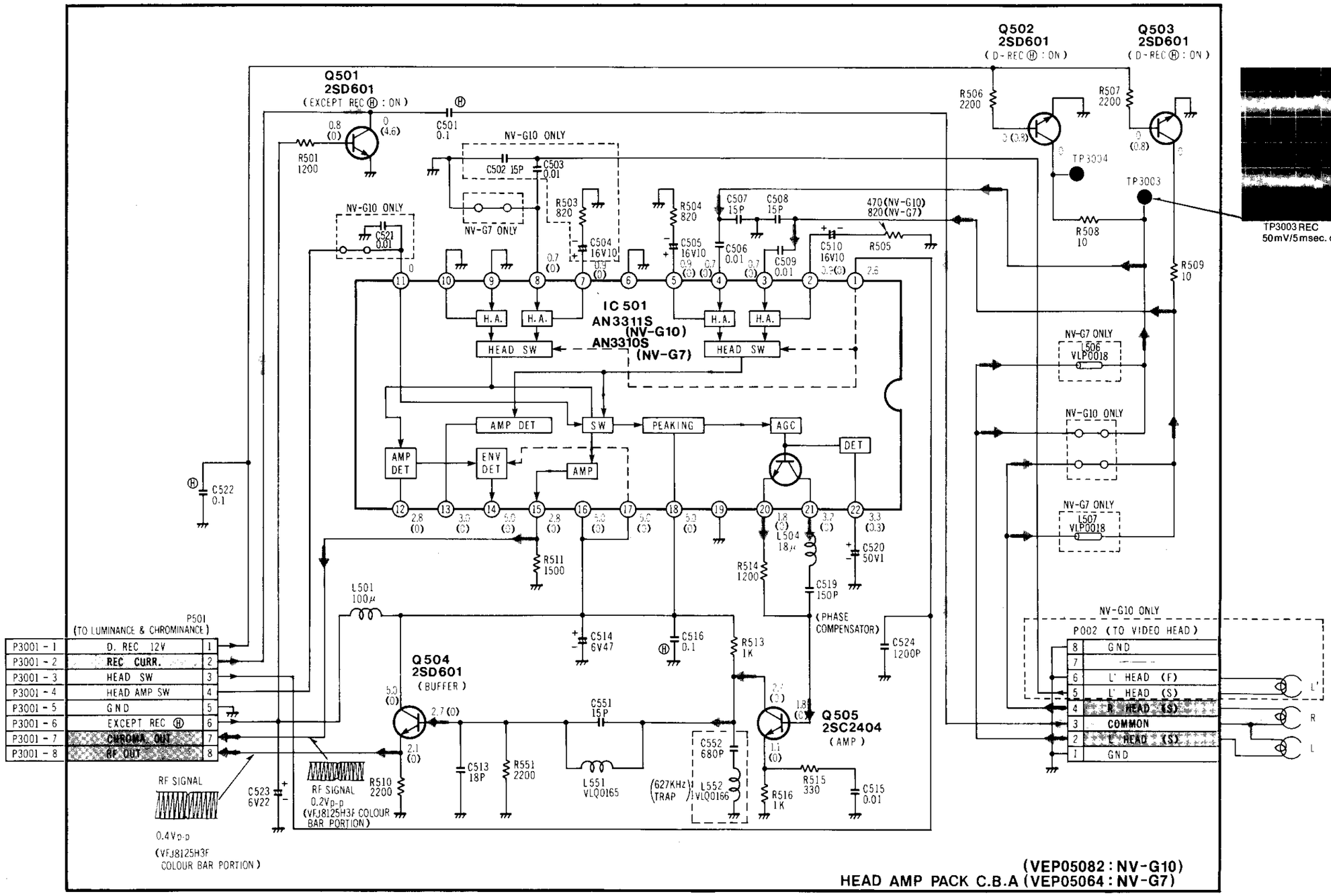


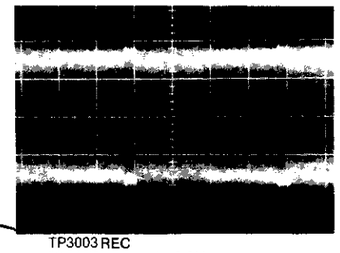
3-20. INPUT SELECT PACK CIRCUIT BOARD (VEP03293B:



3-21. HEAD AMP PACK SCHEMATIC DIAGRAM

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





(VEP05082 : NV-G10)
HEAD AMP PACK C.B.A (VEP05064 : NV-G7)

NOTE : DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST. AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

NOTE : THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON 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.

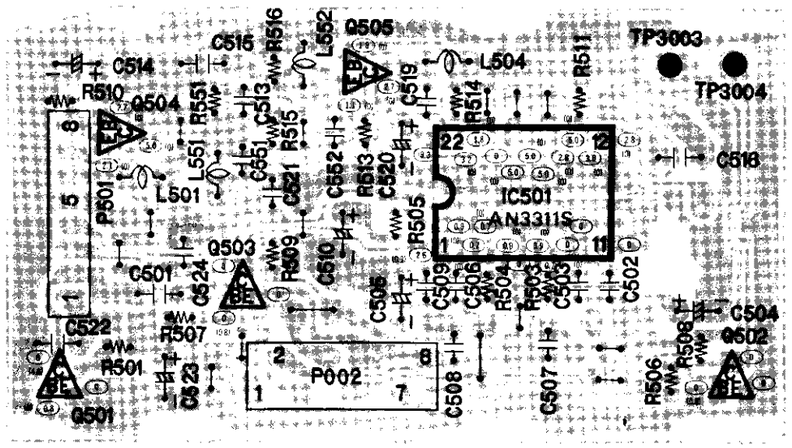
3-22. HEAD A

3-23. HEAD A

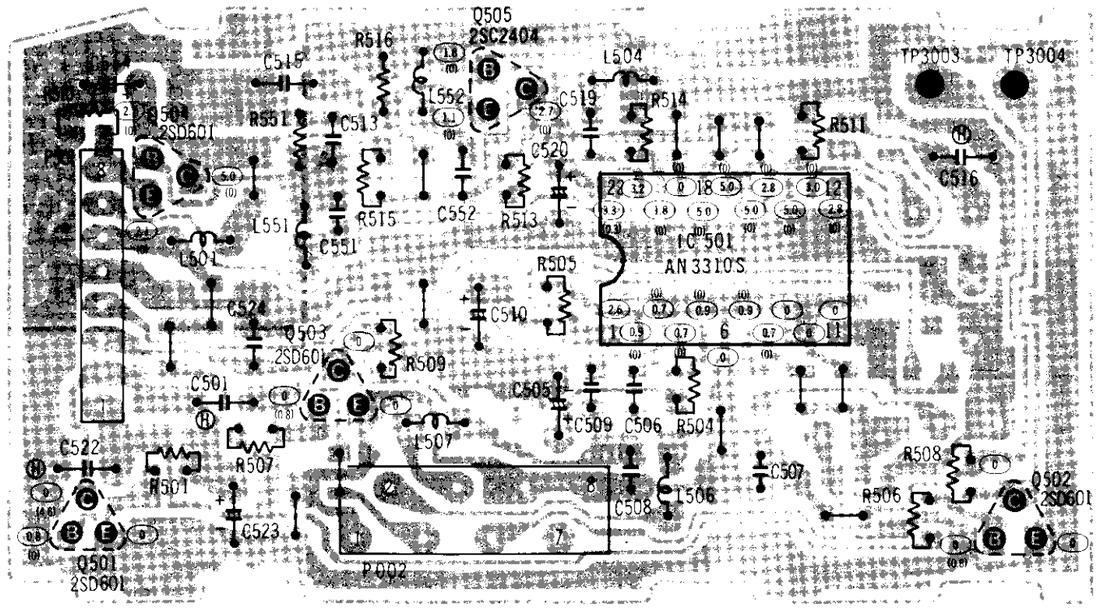
ICs & TRANSIST

AN3311S

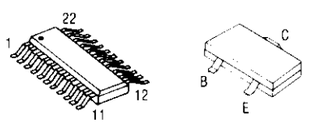
3-22. HEAD AMP PACK CIRCUIT BOARD (VEP05082



3-23. HEAD AMP PACK CIRCUIT BOARD (VEP05064: NV-G7)



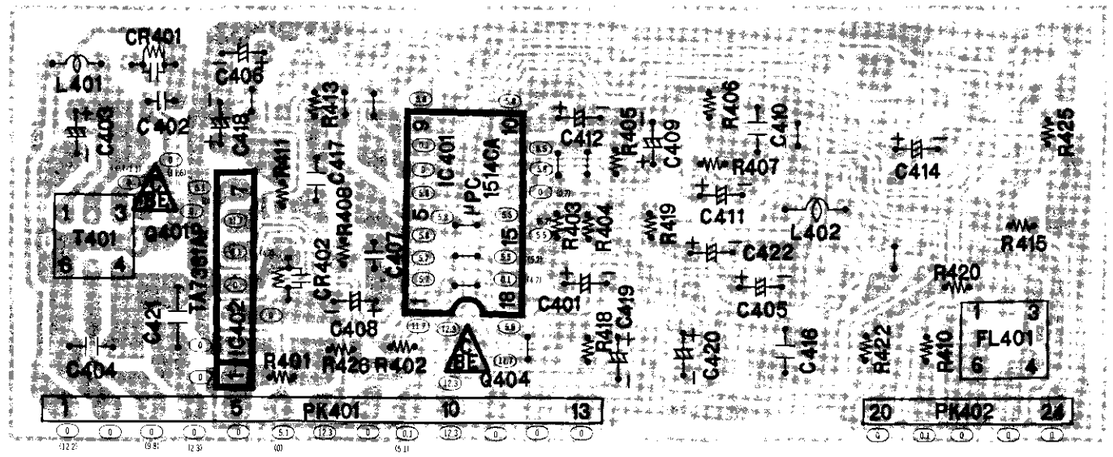
ICs & TRANSISTORs INFORMATION



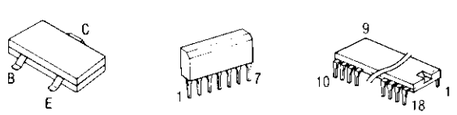
AN3311S

2SD601
2SC2404

3-24. AUDIO PACK CIRCUIT BOARD (VEP04138)



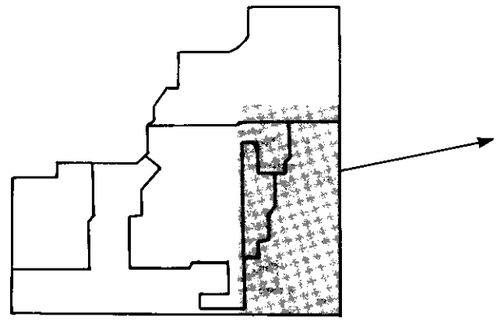
ICs & TRANSISTORs INFORMATION



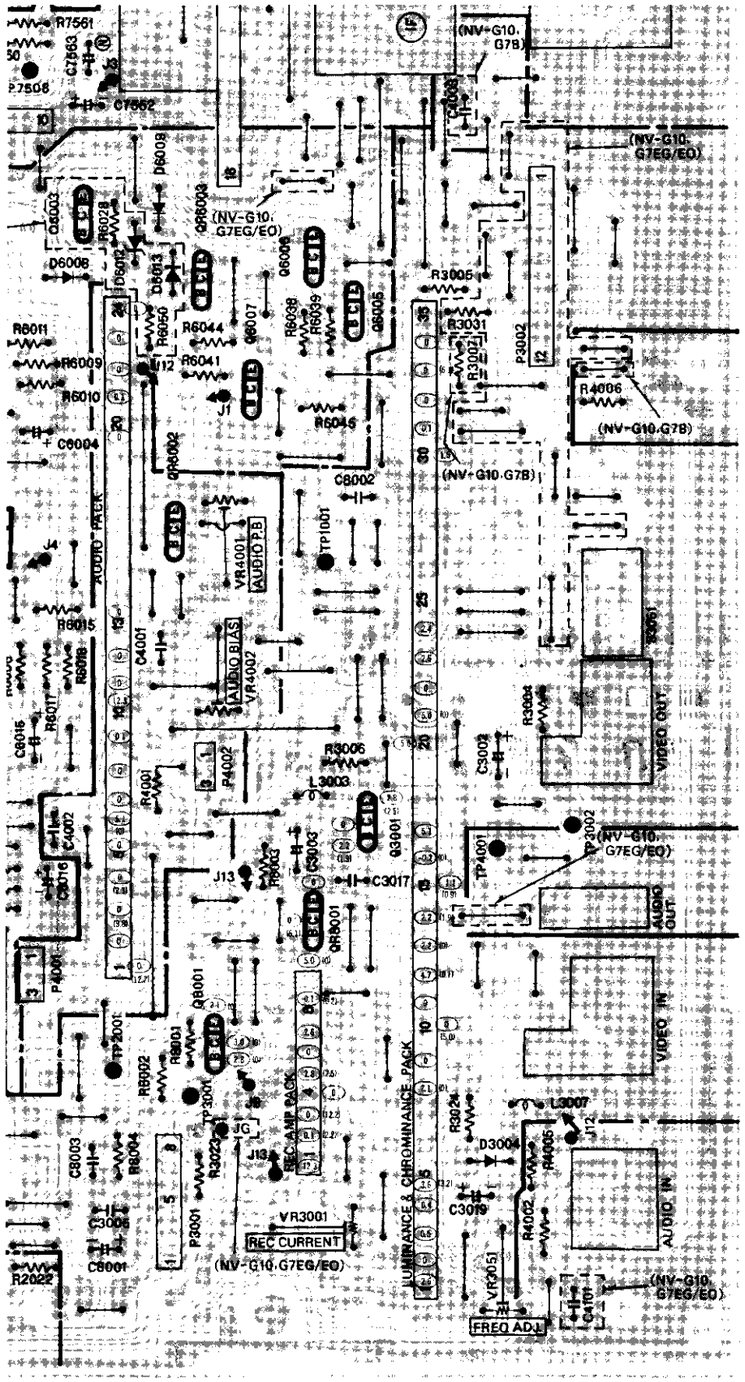
2SD602A
2SD1328

TA7361AP

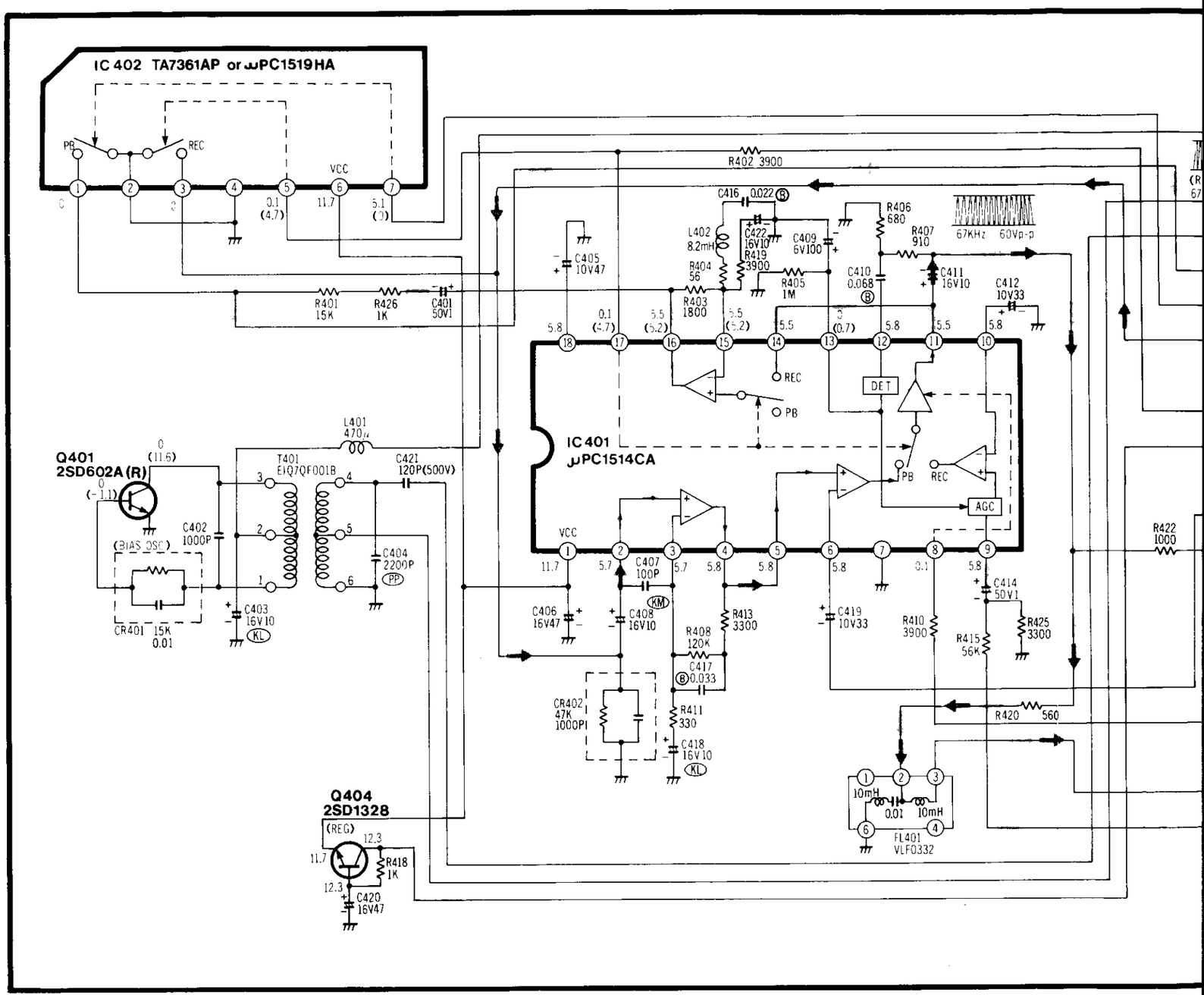
μPC1514CA



3-25. AUDIO Section In Main Circuit Board
(VEP06333F: NV-G10EG) (VEP06333H: NV-G10B)
(VEP06333G: NV-G10EO) (VEP06333P: NV-G7EG)
(VEP06333L: NV-G7B) (VEP06333N: NV-G7EO)



3-26. AUDIO & AUDIO PACK SCHEMATIC DIAGRAM

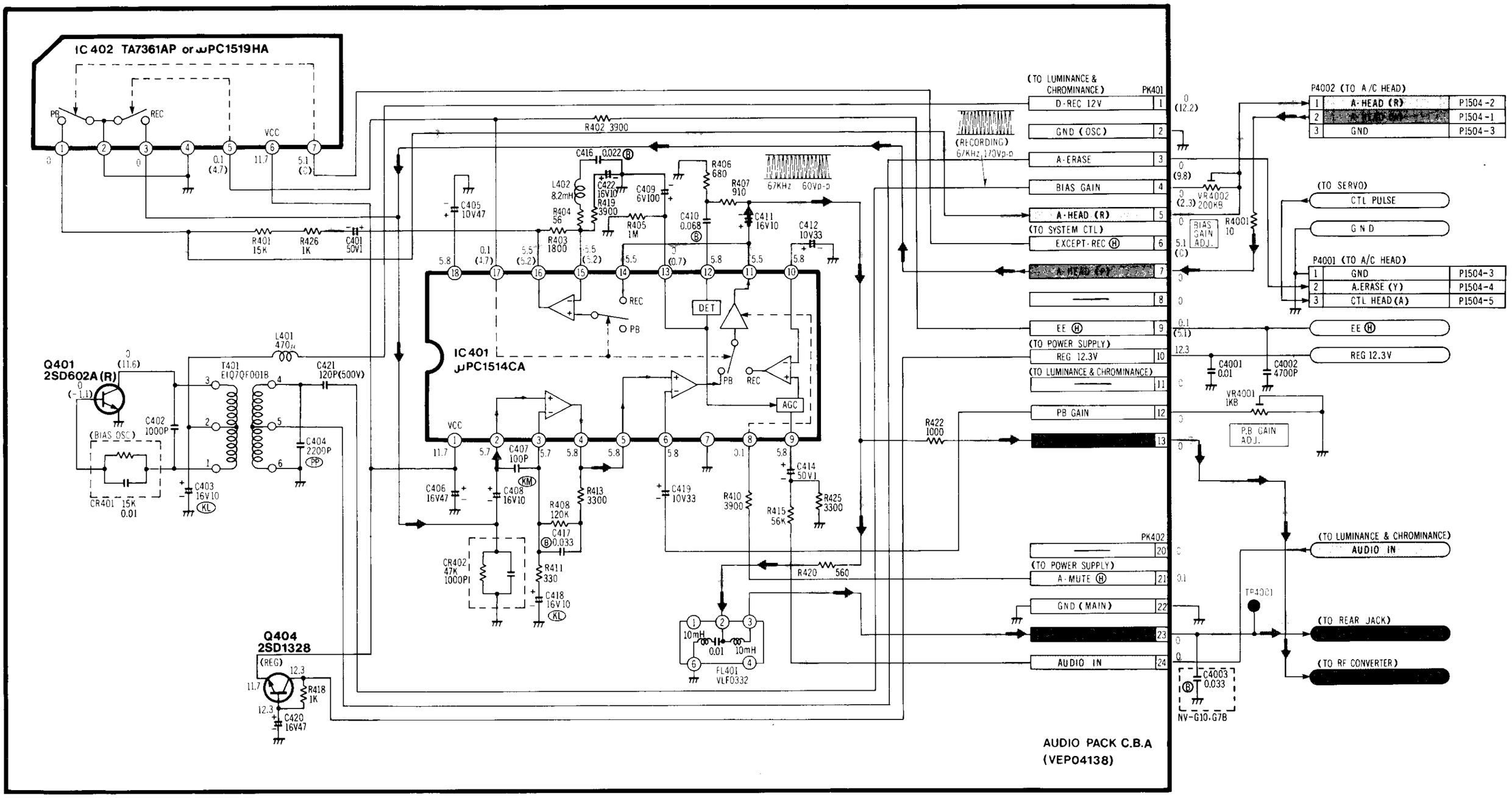


NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS RECORD MODE.
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE.

NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

3-26. AUDIO & AUDIO PACK SCHEMATIC DIAGRAM

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



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

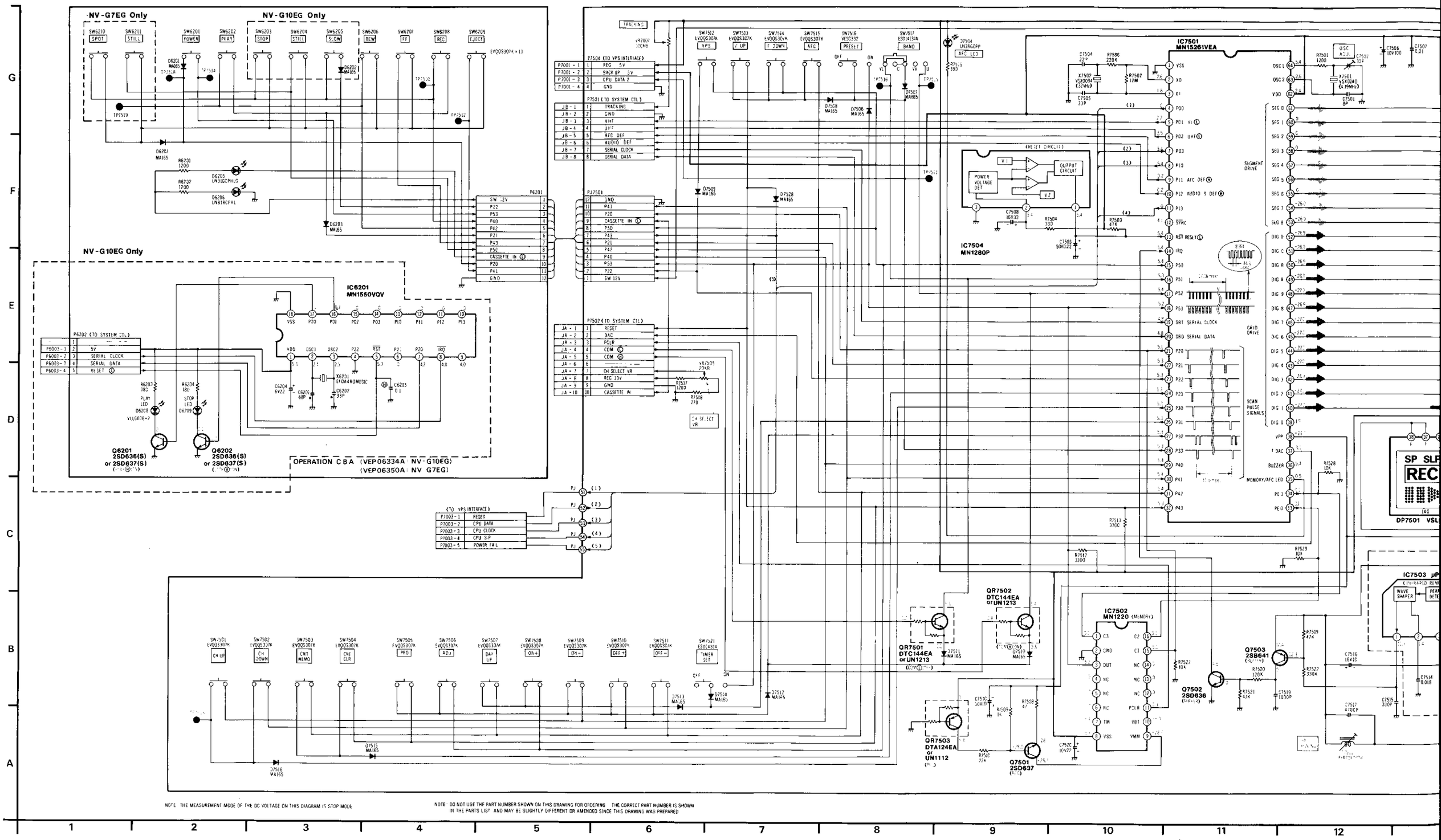
NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

Next Page:
OPERATION, TIMER & CH SELECT Section

3-27. OPERATION, TIMER & CH SELECT SCHEMATIC DIAGRAM

SEGMENT CONTROL SIGNAL

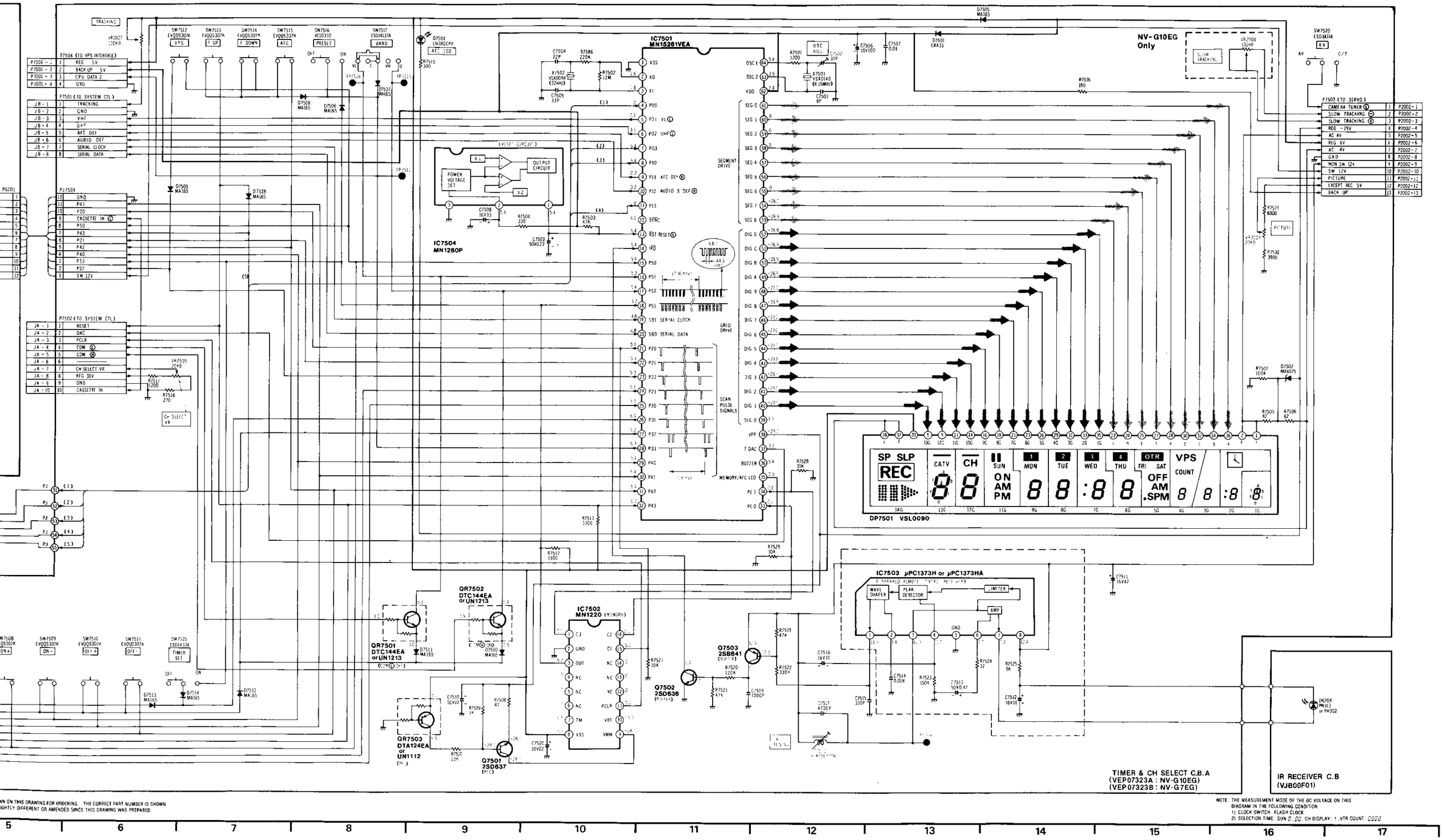
GRID CONTROL SIGNAL



AGRAM

SEGMENT CONTROL SIGNAL

GRID CONTROL SIGNAL



NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IN THE FOLLOWING CONDITION
1) CLOCK SWITCH : FLASH CLOCK
2) SELECTION TIME : SUN 0 : 00 CH DISPLAY : 1 , VTR COUNT : 0000

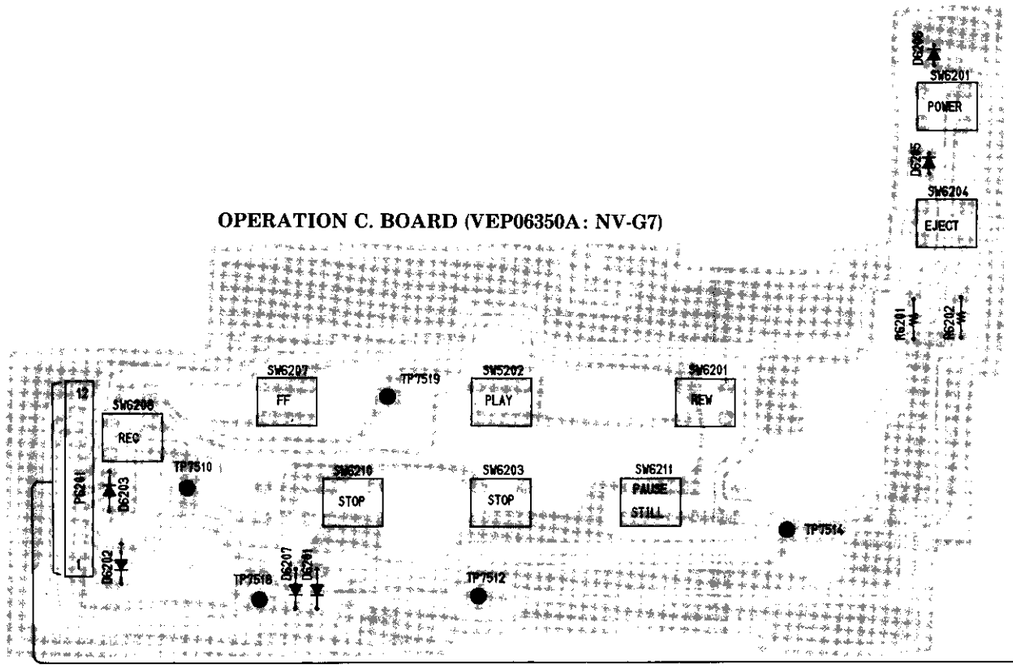
WN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

3-28. OPERATION CIRCUIT BOARD (VEP06334A: NV-G10EG) (VEP06350A: NV-G7EG), TIMER & CH SELECT CIRCUIT BOARD (VEP07323A: NV-G10EG) (VEP07323B: NV-G7EG)

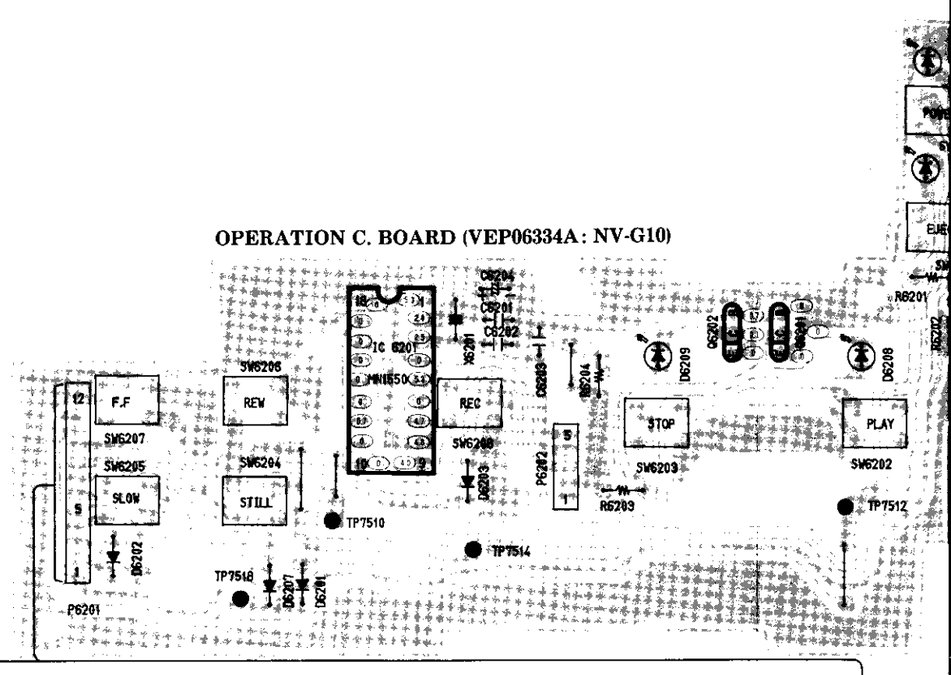
TIMER, CH SELECT & OPERATION SCHEMATIC (NV-G10, G7EG)	
Transistor	
Q6201	D-1
Q6202	D-2
Q7501	A-9
Q7502	B-11
Q7503	B-11
Transistor & Resistor	
QR7501	B-8
QR7502	B-9
QR7503	A-9
Integrated Circuit	
IC6201	E-4
IC7501	G-11
IC7502	B-10
IC7503	C-13
IC7504	F-9
Test Point	
TP7510	G-4
TP7511	F-8
TP7512	G-4
TP7513	A-2
TP7514	G-2
TP7515	G-8
TP7516	G-8
TP7518	G-2
TP7581	A-13
Adjustment	
VR2007	G-6
VR2008	G-16
VR3004	F-16
VR7505	D-6
C7502	G-12
T7501	A-12
Connector	
P6201	F-5
P6202	E-1
P7501	G-5
P7502	E-5
P7503	G-17
P7504	G-5
PJ7501	F-6

ADDRESS INFORMATION

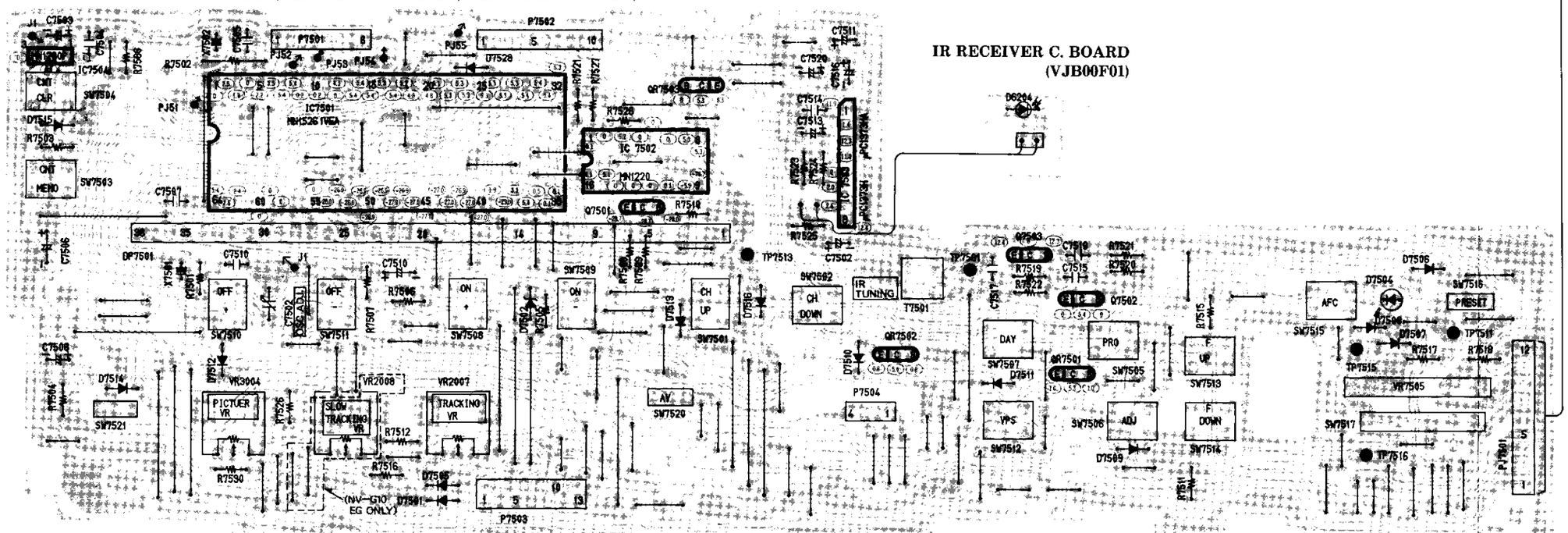
OPERATION C. BOARD (VEP06350A: NV-G7)



OPERATION C. BOARD (VEP06334A: NV-G10)



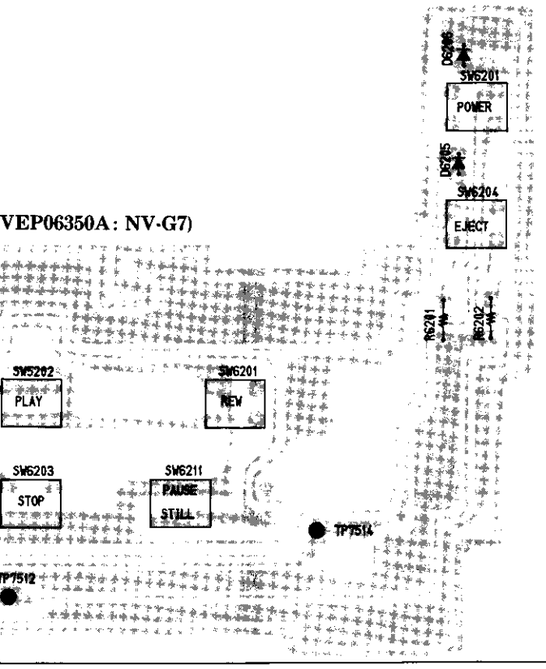
TIMER & CH SELECT C. BOARD (VEP07323A: NV-G10EG, VEP07323B: NV-G7EG)



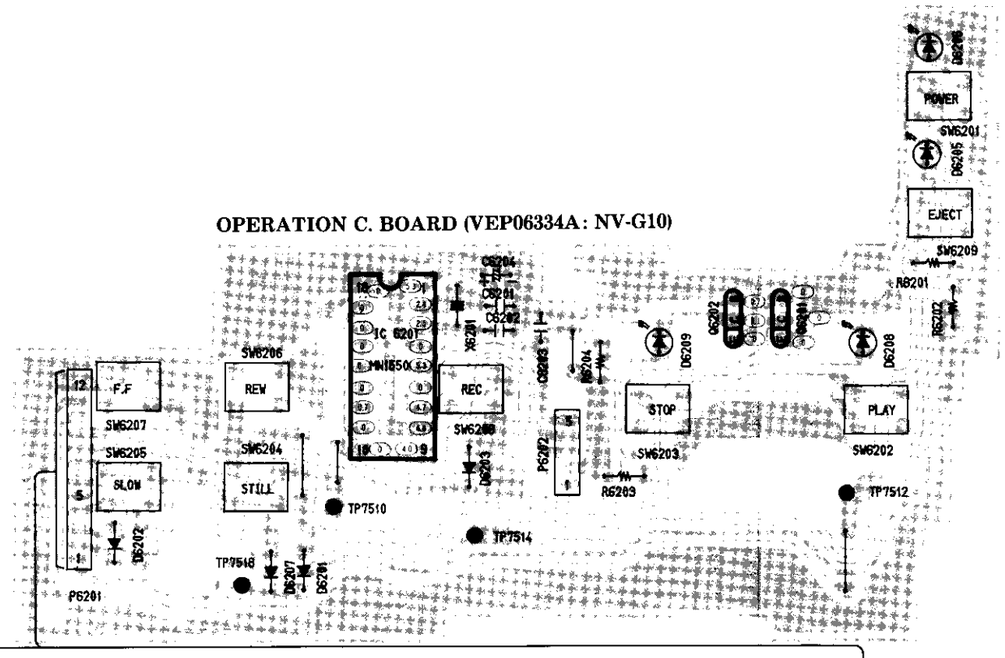
IR RECEIVER C. BOARD (VJB00F01)

(VEP06334A: NV-G10EG) (VEP06350A: NV-G7EG), TIMER & CH SELECT CIRCUIT BOARD
7323B: NV-G7EG)

VEP06350A: NV-G7)

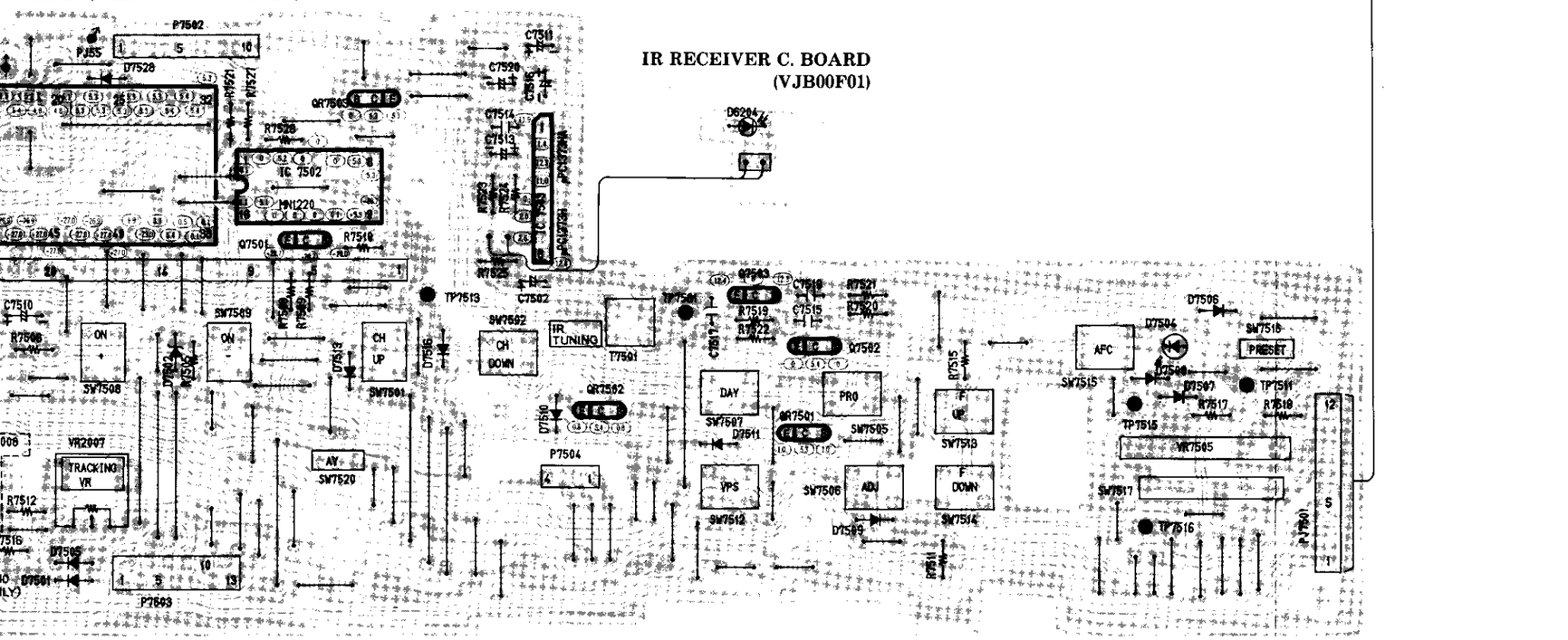


OPERATION C. BOARD (VEP06334A: NV-G10)



NV-G10EG, VEP07323B: NV-G7EG)

IR RECEIVER C. BOARD
(VJB00F01)

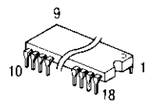


2 3 4 5 6 7

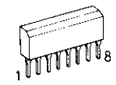
TIMER & CH SELECT AND OPERATION CIRCUIT BOARD (NV-G10, G7EG)	
Transistor	
Q6201	D-7 (NV-G10EG)
Q6202	D-6 (NV-G10EG)
Q7501	B-3
Q7502	B-5
Q7503	B-5
Transistor & Resistor	
QR7501	A-5
QR7502	A-4
QR6503	B-3
Integrated Circuit	
IC6201	D-5 (NV-G10EG)
IC7501	B-2
IC7502	B-3
IC7503	B-4
IC7504	B-1
Test Point	
TP7510	C-5 (NV-G10EG)
TP7510	C-1 (NV-G7EG)
TP7511	A-6
TP7512	C-7 (NV-G10EG)
TP7512	C-2 (NV-G7EG)
TP7513	B-4
TP7514	C-6 (NV-G10EG)
TP7514	C-3 (NV-G7EG)
TP7515	A-6
TP7516	A-6
TP7518	C-5 (NV-G10EG)
TP7518	C-1 (NV-G7EG)
TP7519	D-2 (NV-G7EG)
TP7581	B-4
Adjustment	
C7502	A-2
T7501	B-4
VR2007	A-2
VR2008	A-2 (NV-G10EG)
VR3004	A-2
VR7505	A-6

ADDRESS INFORMATION

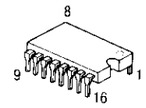
ICs & TRANSISTORs INFORMATION



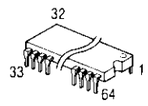
MN1550VQV



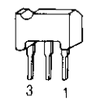
µPC1373HA



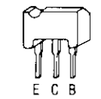
MN1220



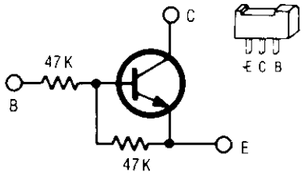
MN15261VEA



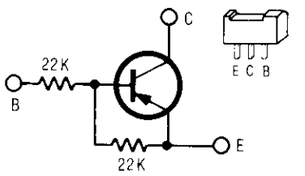
MN1280



2SD636
2SD637
2SB641



DTC144EA

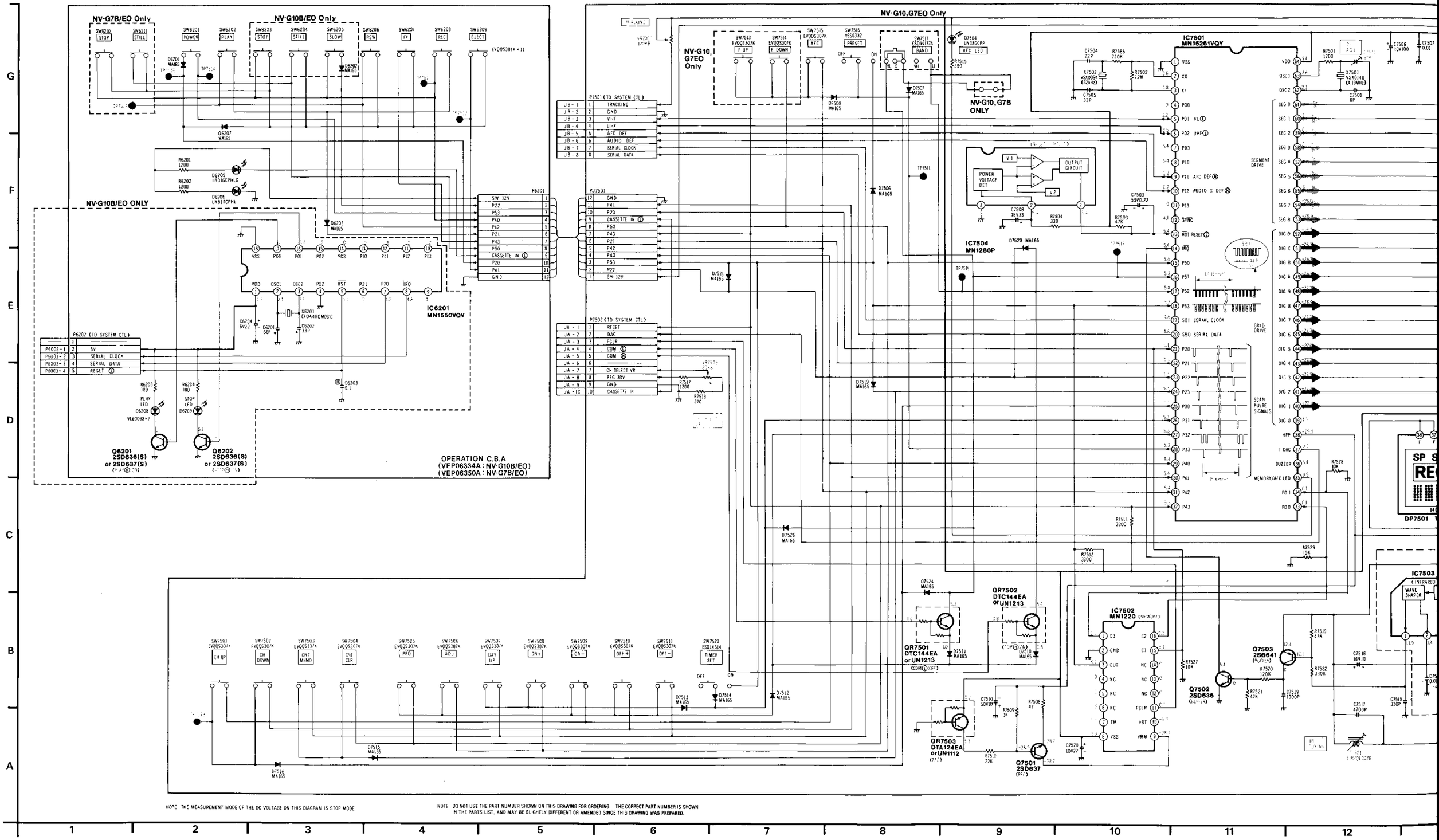


DTA124EA

Next Page:
OPERATION, TIMER & CH SELECT Section

3-29. OPERATION TIMER & CH SELECT SCHEMATIC DIAGRAM

SEGMENT CONTROL SIGNAL ⟵ GRID CONTROL SIGNAL

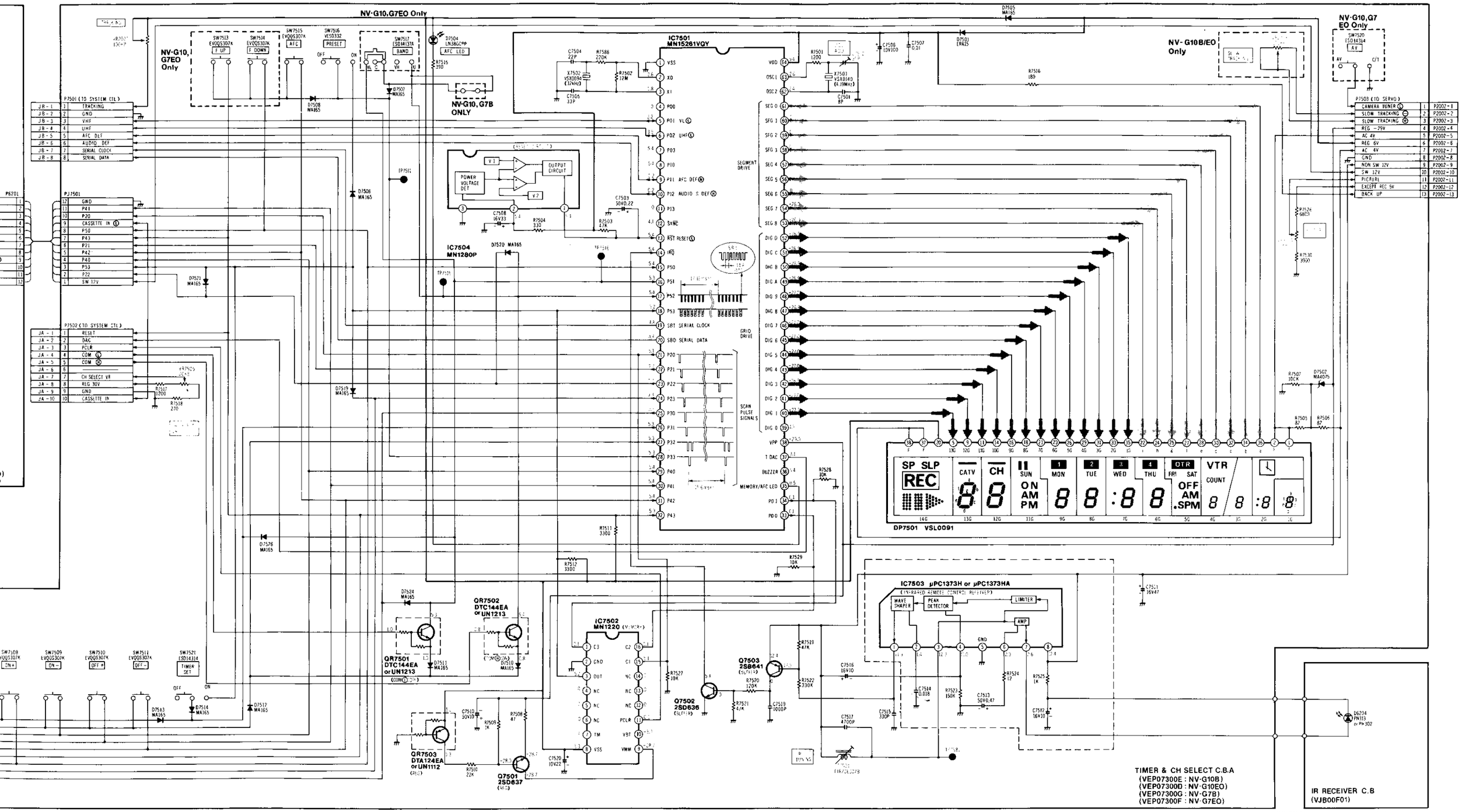


NOTE THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE

NOTE DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

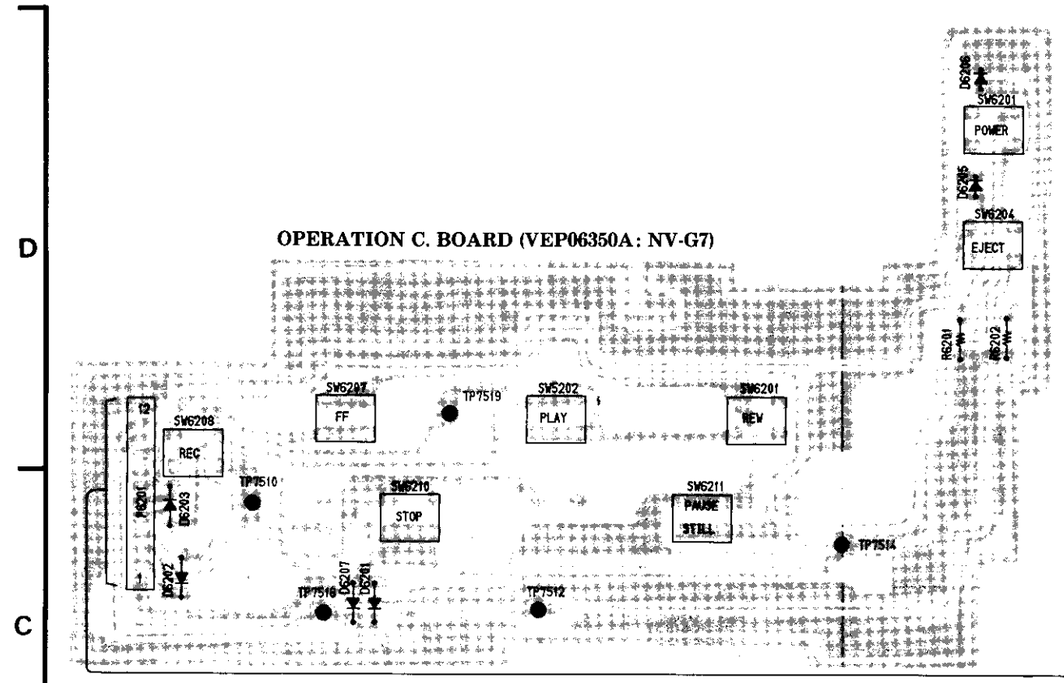
GRAM

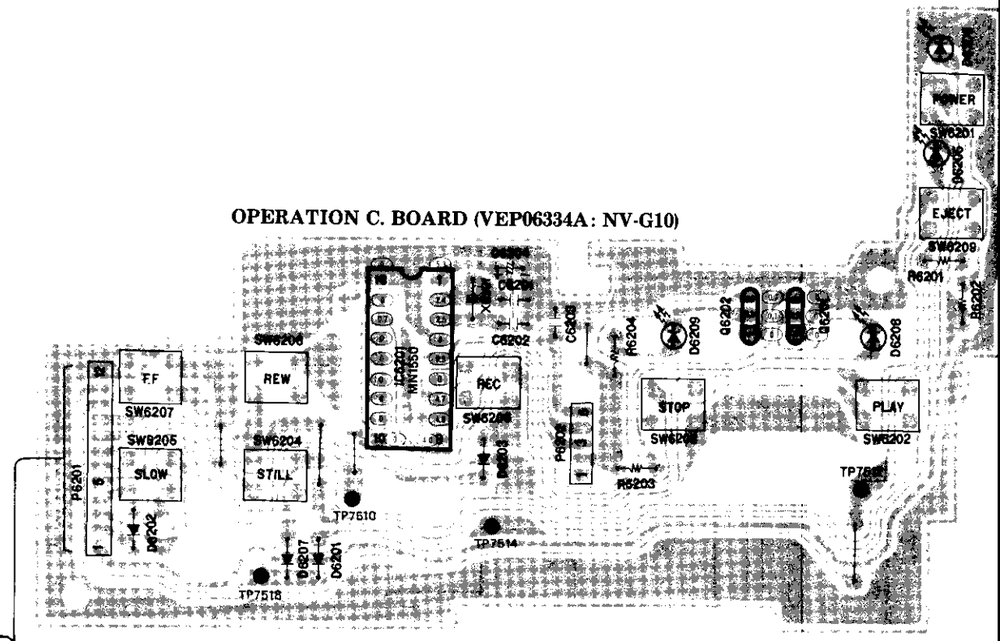
SEGMENT CONTROL SIGNAL ⟵ GRID CONTROL SIGNAL

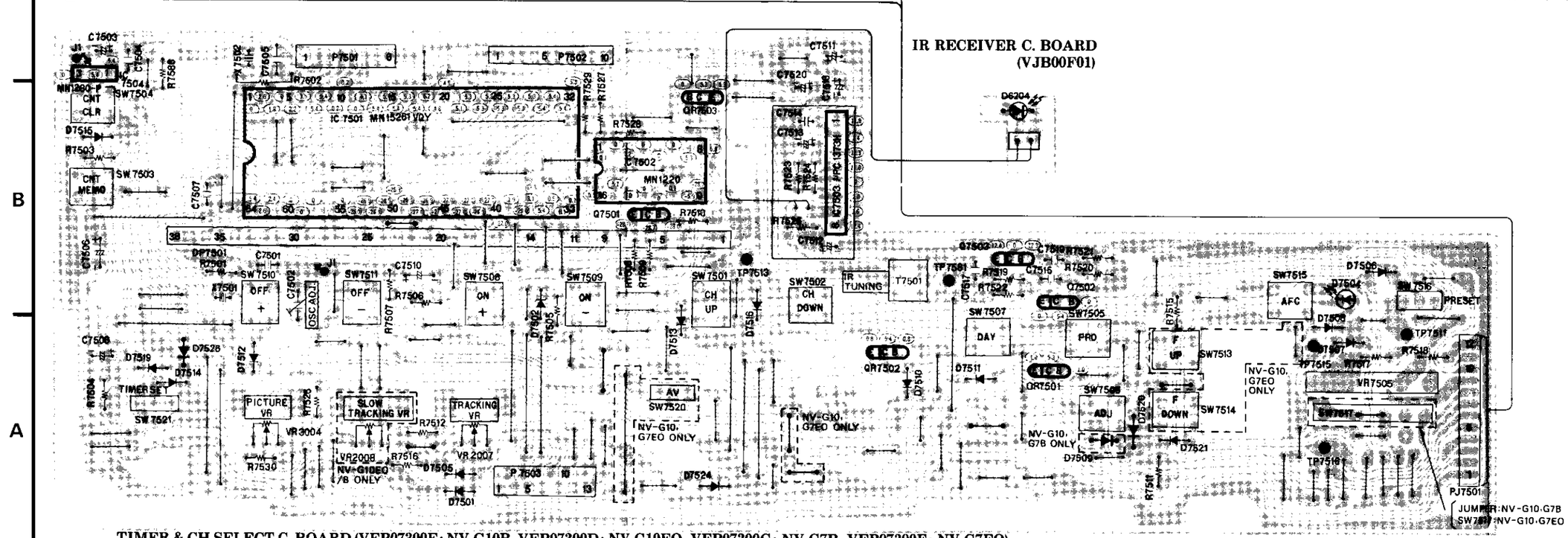


NOTE THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IN THE FOLLOWING CONDITION.
1) CLOCK SWITCH: FLASH CLOCK
2) SELECTION TIME: SUN 0 00, CH DISPLAY: 1, VTR COUNT 0000

OWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN
SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.





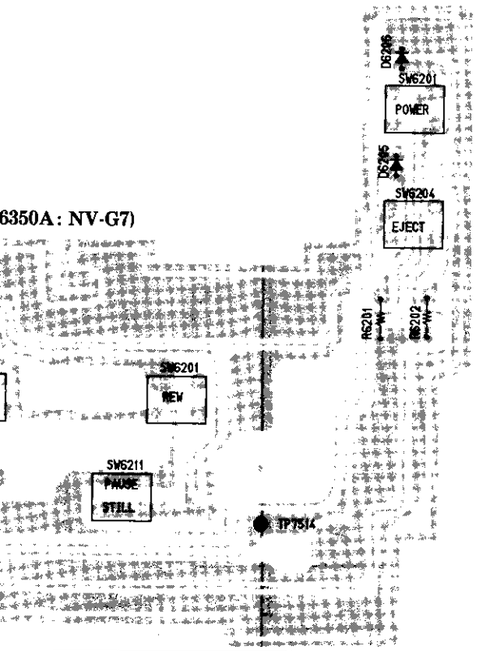


3-30. OPERATION CIRCUIT BOARD (VEP06334A: NV-G10B/EO) (VEP06350A: NV-G7B/EO), TIMER & CH SELECT CIRCUIT BOARD (VEP07300E: NV-G10B) (VEP07300D: NV-G10EO) (VEP07300G: NV-G7B) (VEP07300F: NV-G7EO)

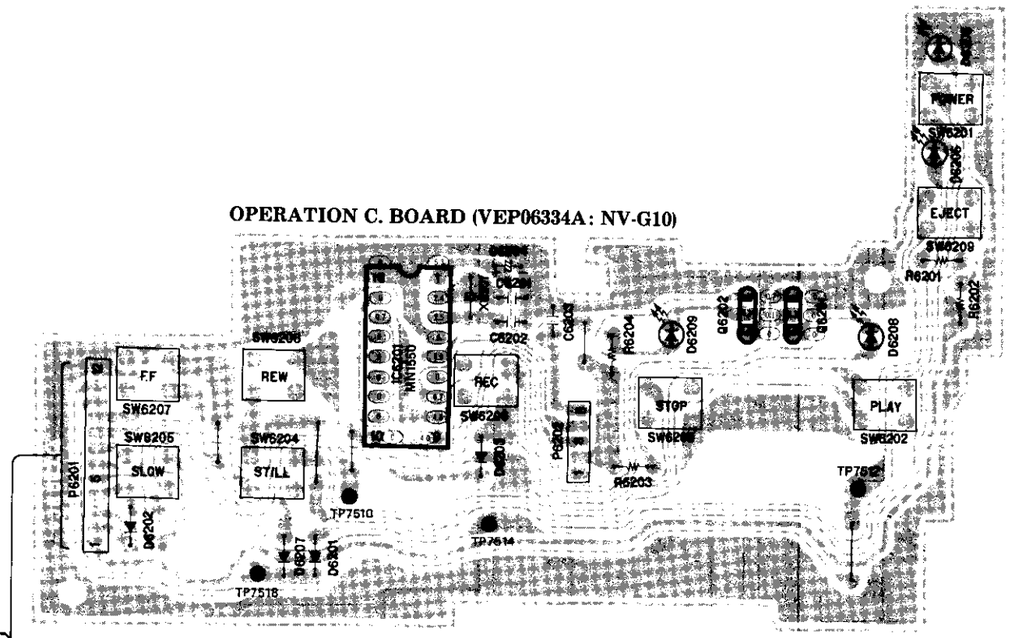
TIMER, CH SELECT & OPERATION SCHEMATIC (NV-G10, G7B/EO)	
Transistor	
Q6201	D-1
Q6202	D-2
Q7501	A-9
Q7502	B-11
Q7503	B-11
Transistor & Resistor	
QR7501	B-8
QR7502	B-9
QR7503	A-9
Integrated Circuit	
IC6201	E-4
IC7501	G-11
IC7502	B-10
IC7503	C-13
IC7504	F-9
Test Point	
TP7510	G-4
TP7511	F-8
TP7512	G-4
TP7513	A-2
TP7514	G-2
TP7515	G-8
TP7516	G-8
TP7518	G-2
TP7581	A-13
Adjustment	
VR2007	G-6
VR2008	G-16
VR3004	F-16
VR7505	D-6
C7502	G-12
T7501	A-12
Connector	
P6201	F-5
P6202	E-1
P7501	G-5
P7502	E-5
P7503	G-17
PJ7501	F-6

ADDRESS INFORMATION

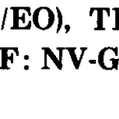
(VEP06334A: NV-G10B/EO) (VEP06350A: NV-G7B/EO), TIMER & CH SELECT CIRCUIT BOARD
0D: NV-G10EO) (VEP07300G: NV-G7B) (VEP07300F: NV-G7EO)

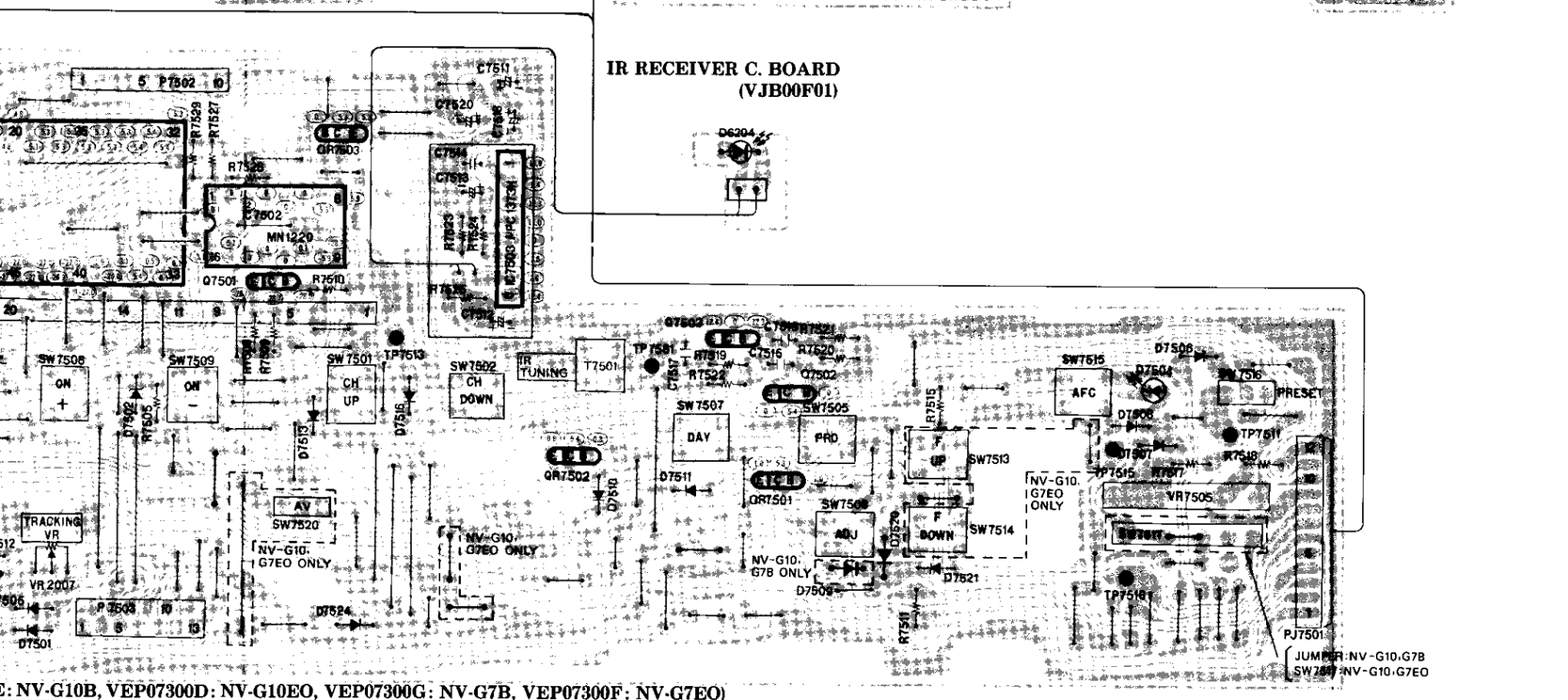


OPERATION C. BOARD (VEP06334A: NV-G10)



IR RECEIVER C. BOARD
(VJB00F01)





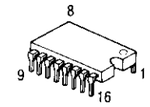
E: NV-G10B, VEP07300D: NV-G10EO, VEP07300G: NV-G7B, VEP07300F: NV-G7EO)

3 4 5 6 7

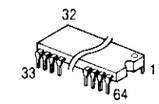
TIMER & CH SELECT AND OPERATION CIRCUIT BOARD (NV-G10, G7B/EO)	
Transistor	
Q6201	D-7 (NV-G10B/EO)
Q6202	D-6 (NV-G10B/EO)
Q7501	B-3
Q7502	B-5
Q7503	B-5
Transistor & Resistor	
QR7501	A-5
QR7502	A-4
QR6503	B-3
Integrated Circuit	
IC6201	D-5 (NV-G10B/EO)
IC7501	B-2
IC7502	B-3
IC7503	B-4
IC7504	B-1
Test Point	
TP7510	C-5 (NV-G10B/EO)
TP7510	C-1 (NV-G7B/EO)
TP7511	A-6
TP7512	C-7 (NV-G10B/EO)
TP7512	C-2 (NV-G7B/EO)
TP7513	B-4
TP7514	C-6 (NV-G10B/EO)
TP7514	C-3 (NV-G7B/EO)
TP7515	A-6
TP7516	A-6
TP7518	C-5 (NV-G10B/EO)
TP7518	C-1 (NV-G7B/EO)
TP7519	D-2 (NV-G7B/EO)
TP7581	B-4
Adjustment	
C7502	B-2
T7501	B-4
VR2007	A-2
VR2008	A-2 (NV-G10B/EO)
VR3004	A-2
VR7505	A-6

ADDRESS INFORMATION

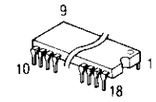
ICs & TRANSISTORs INFORMATION



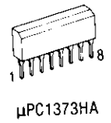
MN1220



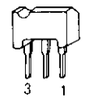
MN15261VQY



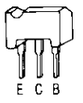
MN1550VQV



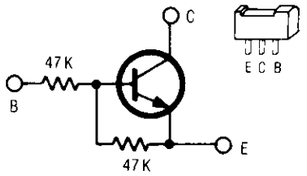
µPC1373HA



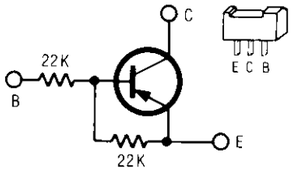
MN1280



2SD636
2SD637
2SB641



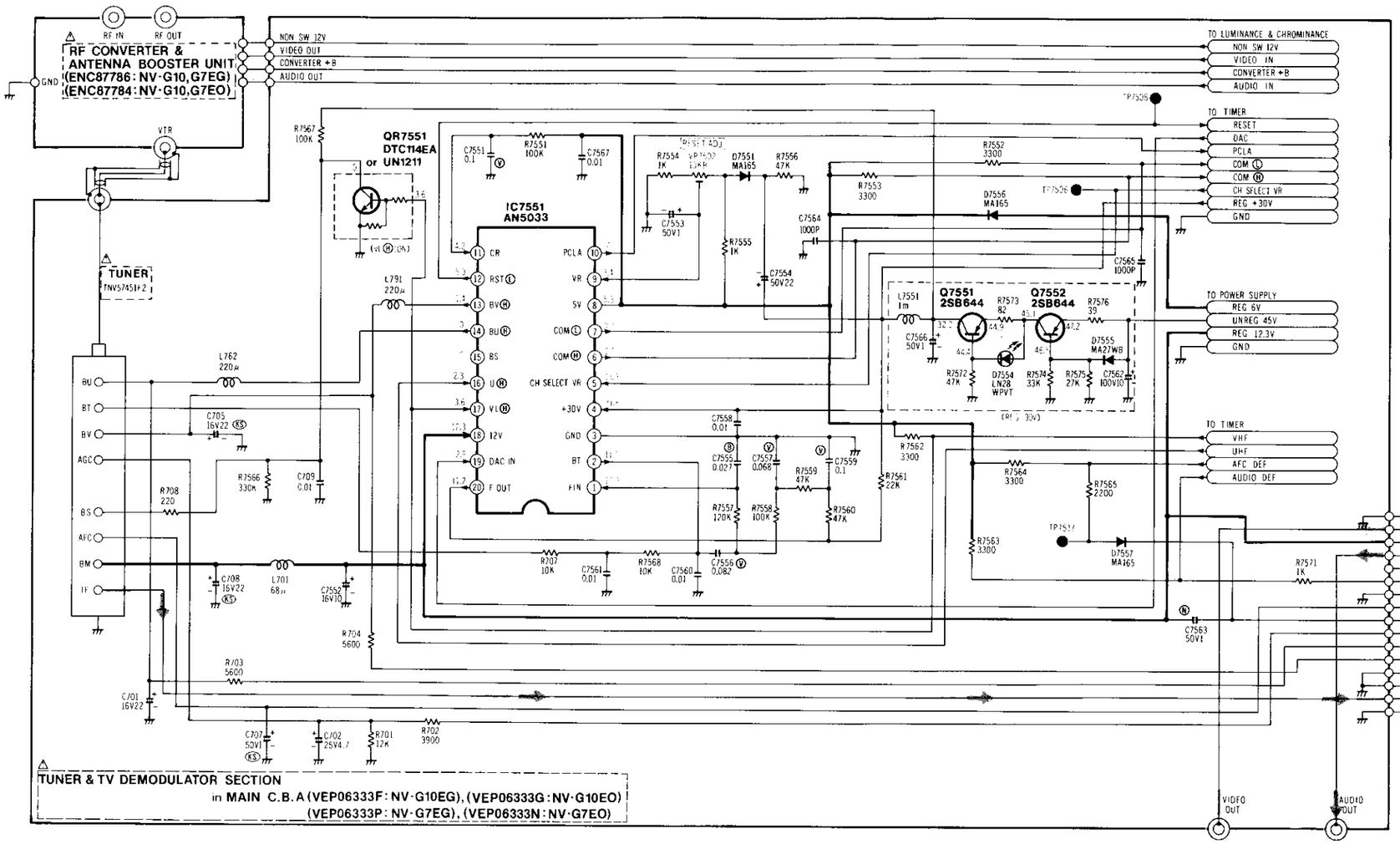
DTC144EA



DTA124EA

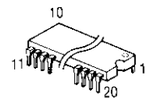
Next Page:
TV DEMODULATOR Section

3-31. TUNER, TV DEMODULATOR & TV DEMODULATOR PACK SCHEMATIC DIAGRAM (NV-G10, G7EG/EO)



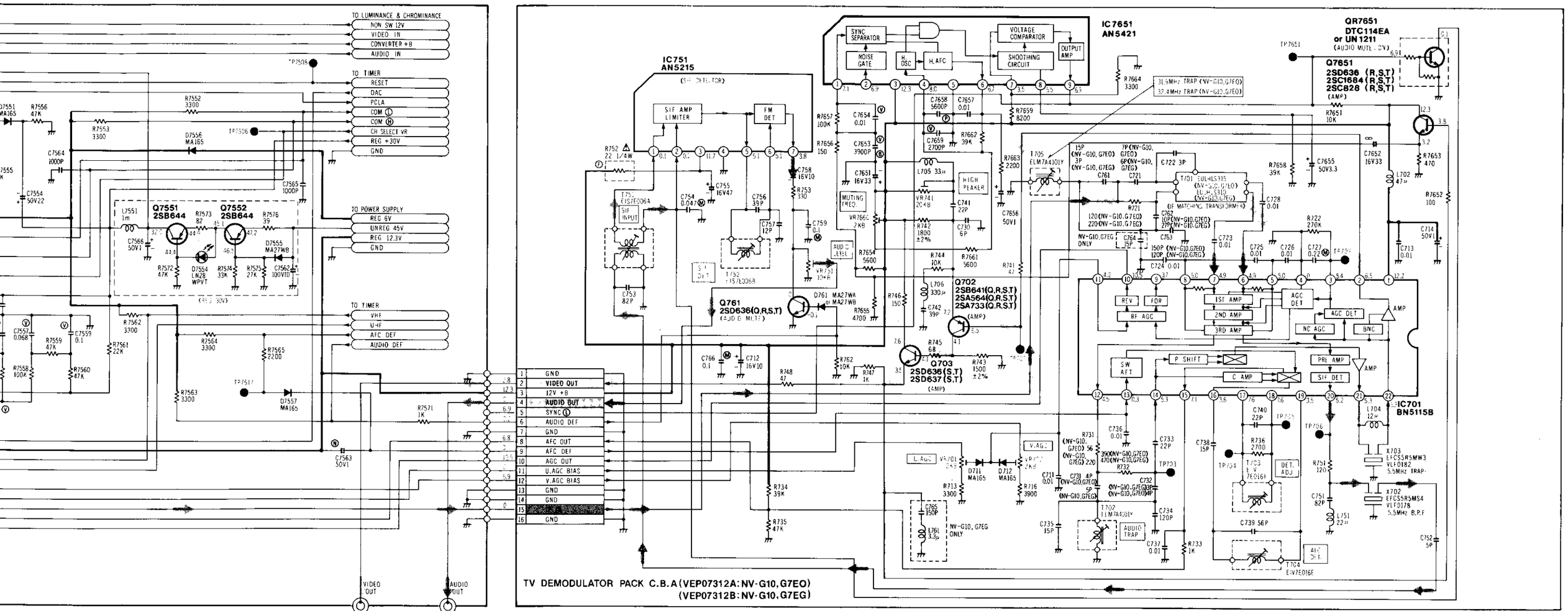
IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFE
WHEN REPLACING ANY OF THESE COMPONENTS. USE ONLY THE SAME TYPE

ICs & TRANSISTORs IN



AN5033

PACK SCHEMATIC DIAGRAM (NV-G10, G7EG/EO)

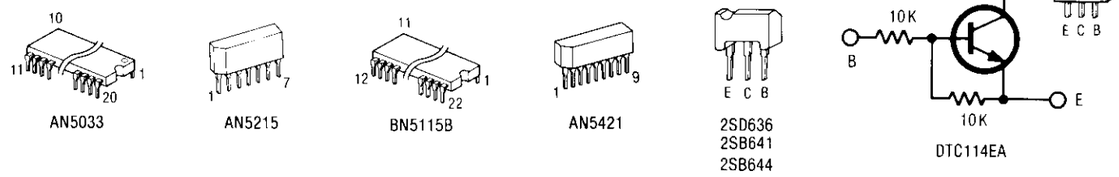


IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY WHEN REPLACING ANY OF THESE COMPONENTS. USE ONLY THE SAME TYPE

NOTE : DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED

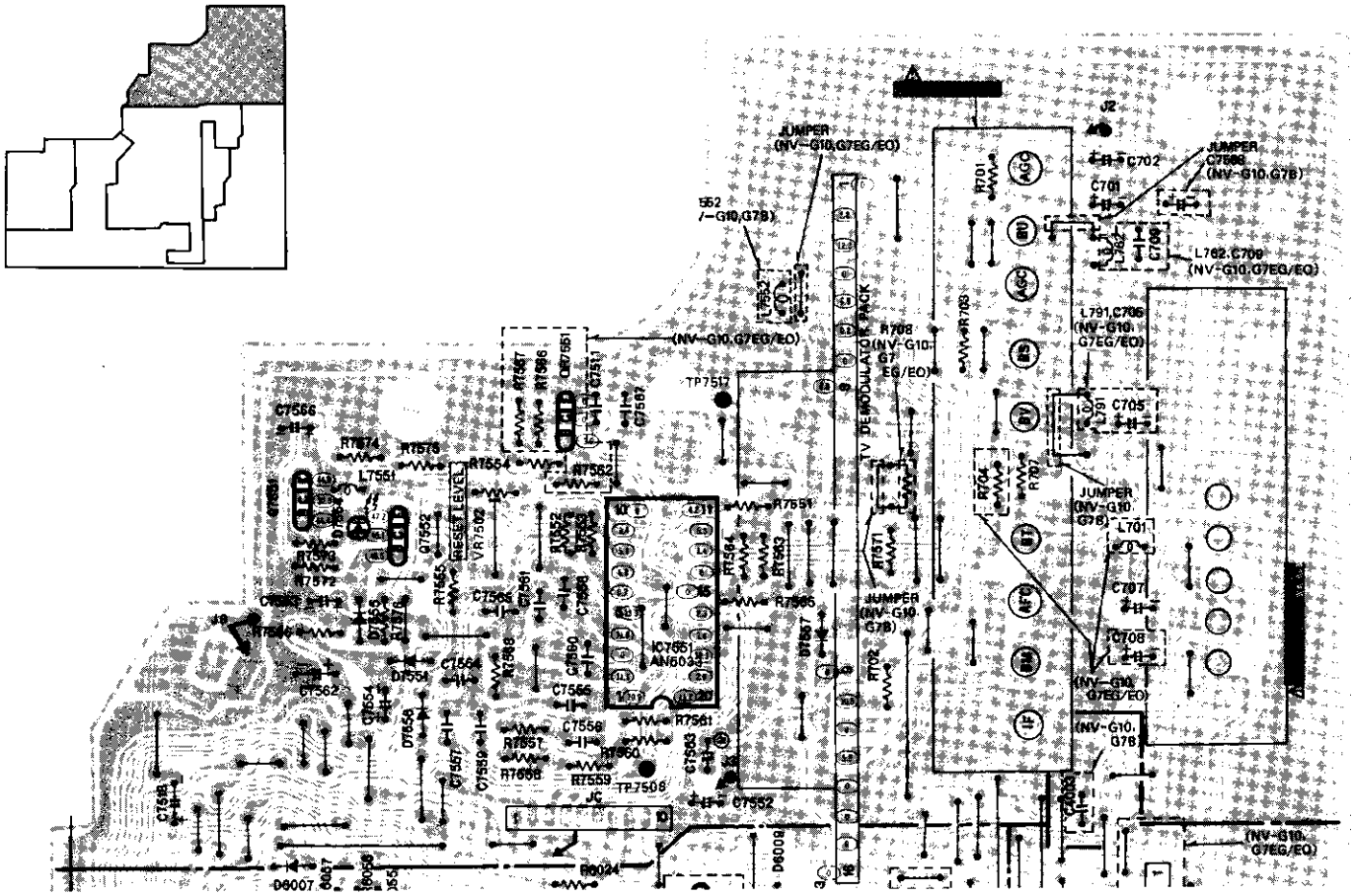
NOTE : THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE

ICs & TRANSISTORs INFORMATION

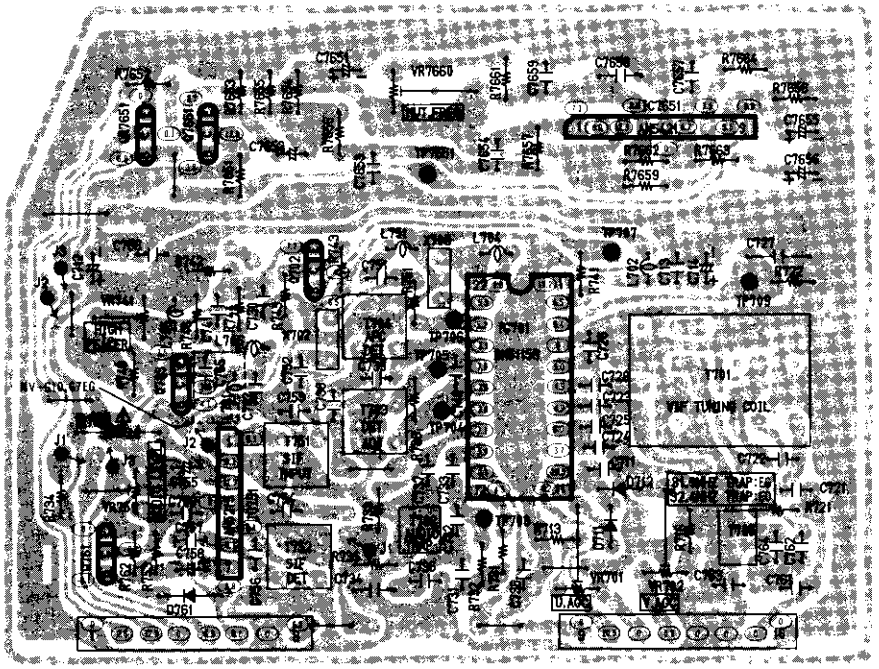


MC-Service

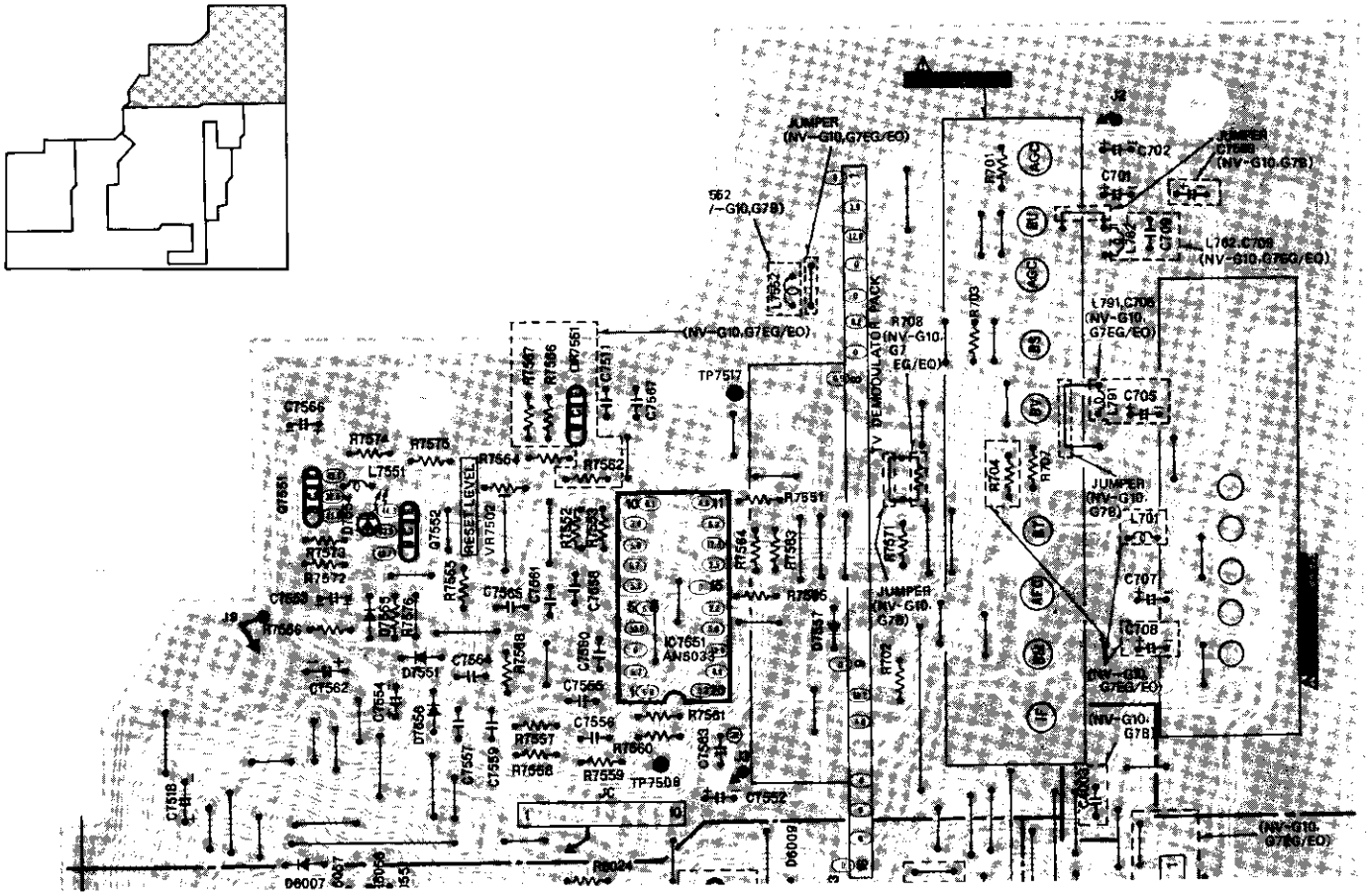
3-32. TUNER & TV DEMODULATOR Section in Main Circuit Board (VEP06333F: NV-G10EG) (VEP06333G: NV-G10EO) (VEP06333P: NV-G7EG) (VEP06333N: NV-G7EO)



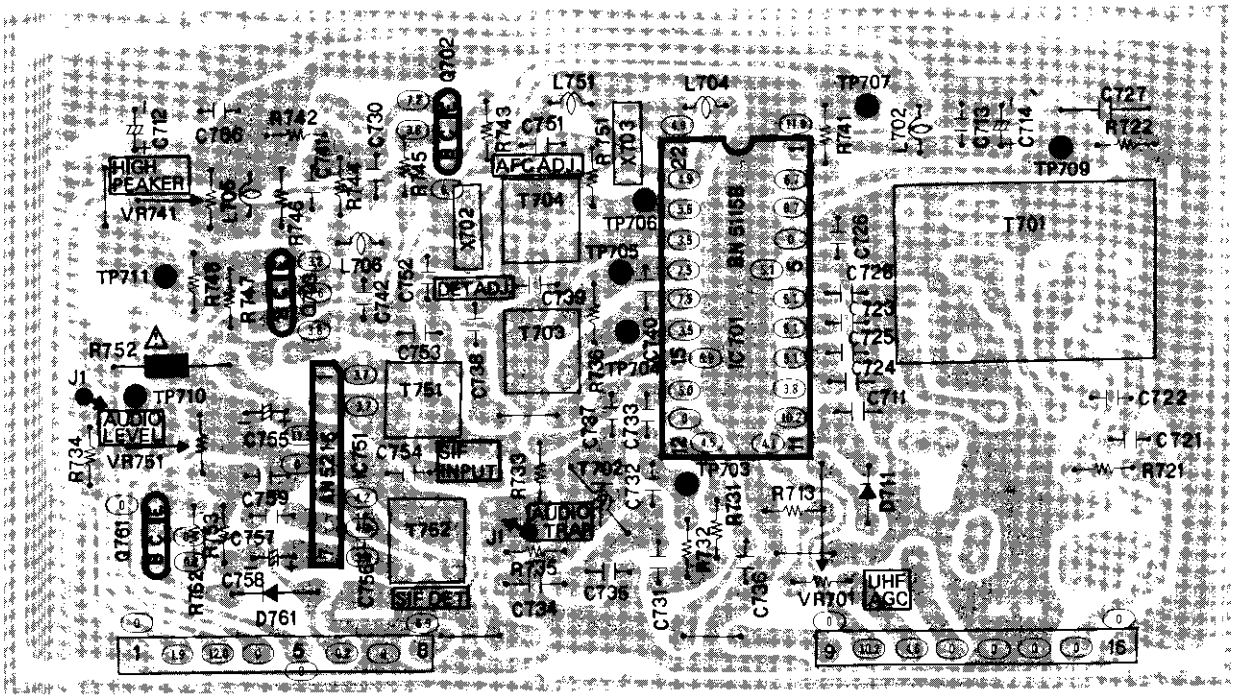
3-33. TV DEMODULATOR PACK CIRCUIT BOARD (VEP07312B: NV-G10, G7EG) (VEP07312A: NV-G10, G7EO)



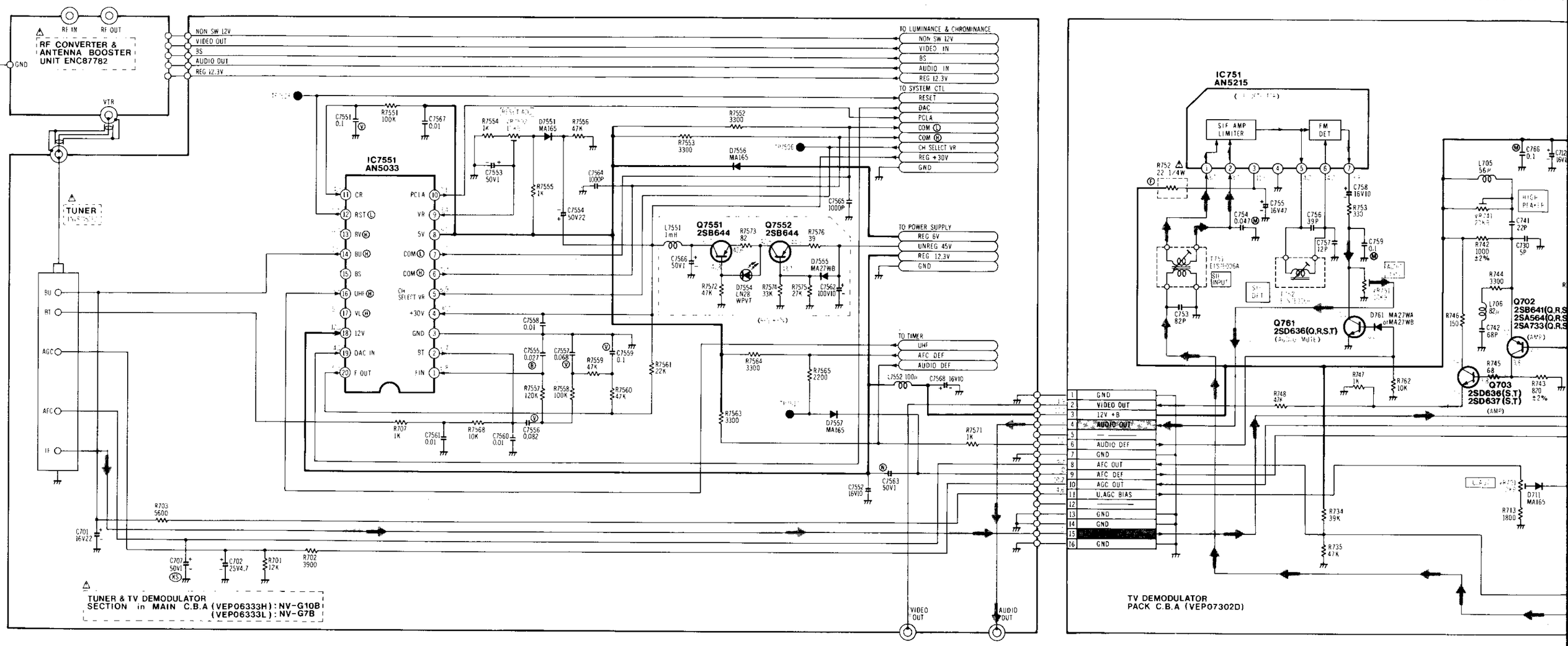
3-34. TUNER & TV DEMODULATOR Section In Main Circuit Board (VEP06333H: NV-G10B) (VEP06333L: NV-G7B)



3-35. TV DEMODULATOR PACK CIRCUIT BOARD (VEP07302D: NV-G10, G7B)

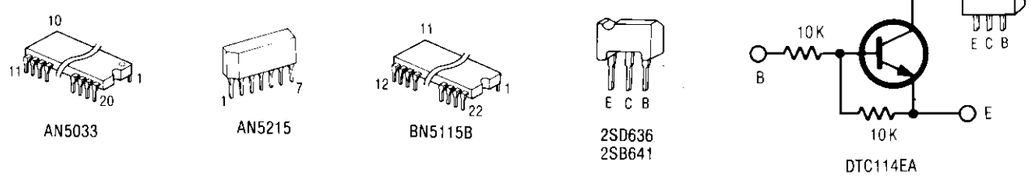


3-36. TUNER, TV DEMODULATOR & TV DEMODULATOR PACK SCHEMATIC DIAGRAM (NV-G10, G7B)



NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED

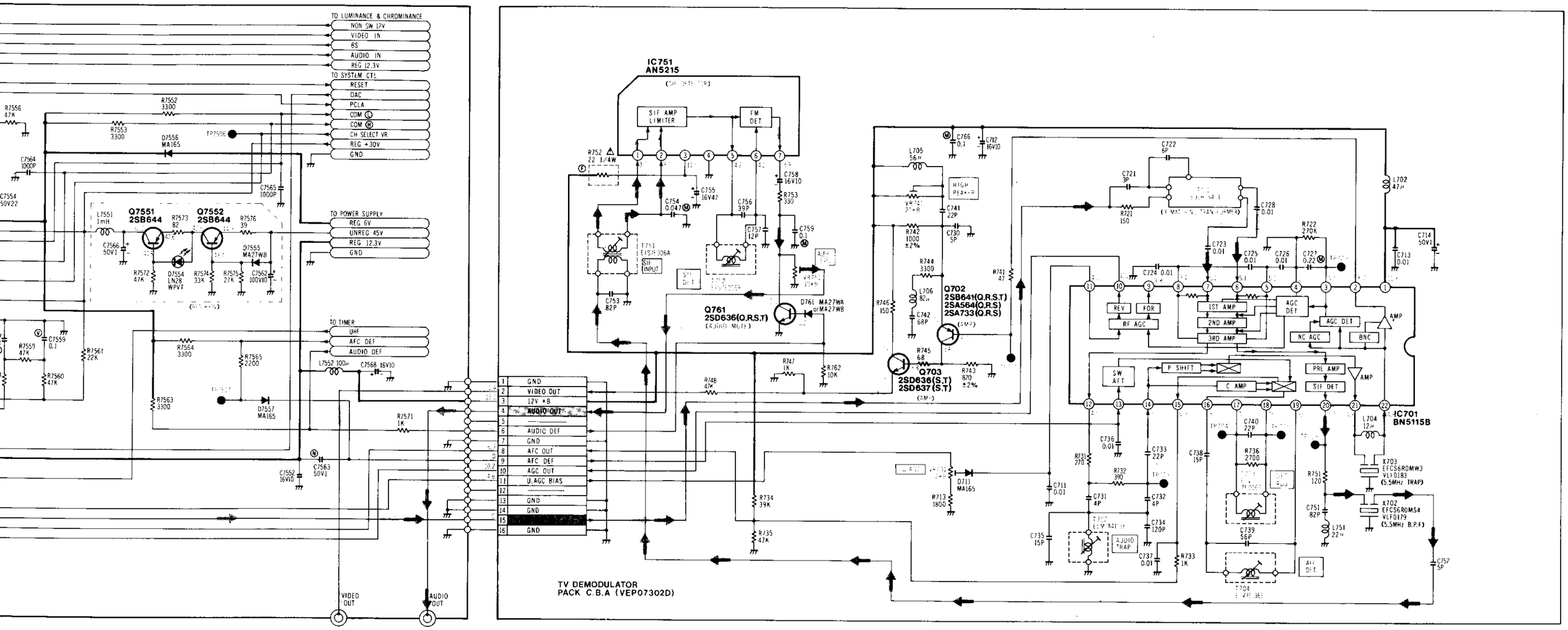
ICs & TRANSISTORs INFORMATION



ACK SCHEMATIC DIAGRAM (NV-G10, G7B)

VIDEO SIGNAL LOOP

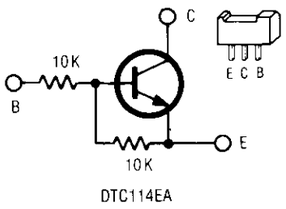
AUDIO SIGNAL LOOP



NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

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

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

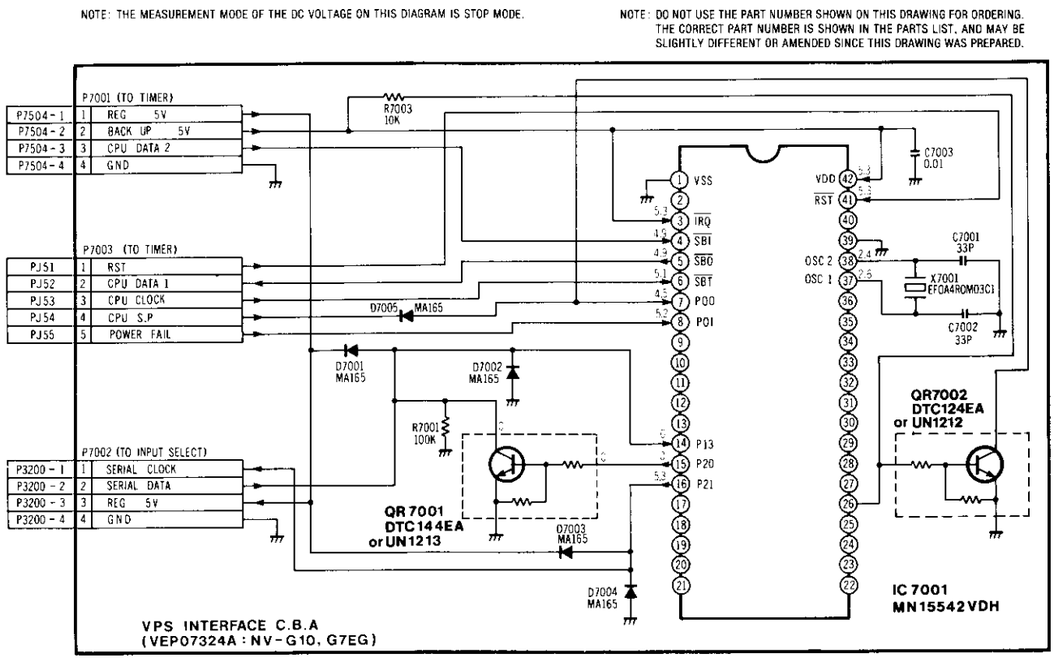


DTC114EA

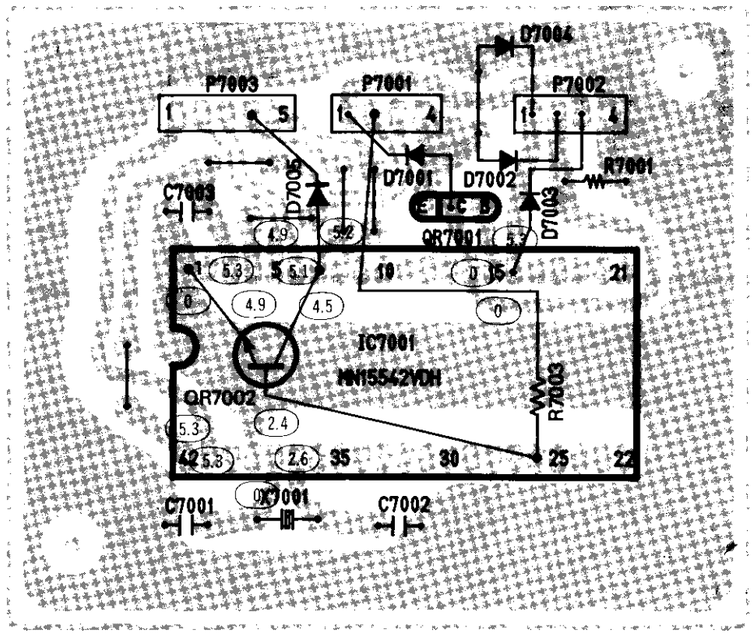
MC-Service

Next Page:
VPS INTERFACE &
RF CONVERTER Section

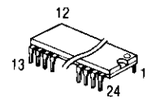
3-37. VPS INTERFACE SCHEMATIC DIAGRAM (NV-G10, G7EG)



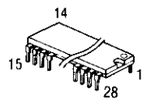
3-38. VPS INTERFACE CIRCUIT BOARD (VEP07324A:



ICs & TRANSISTORs INFORMATION



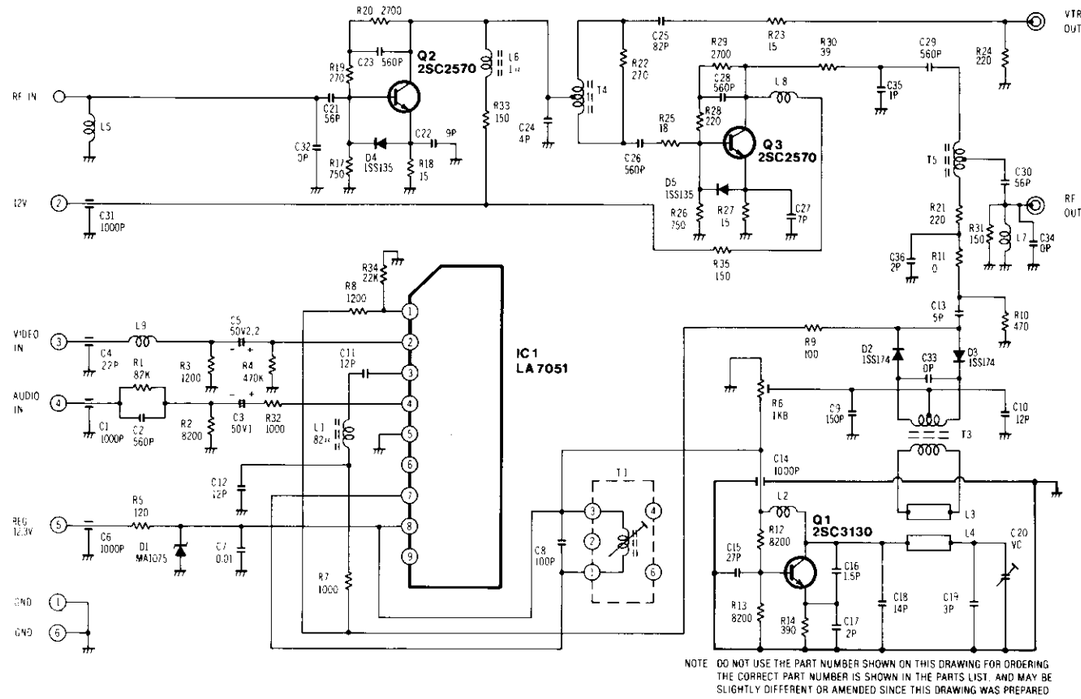
SAF1134P



SAA5235

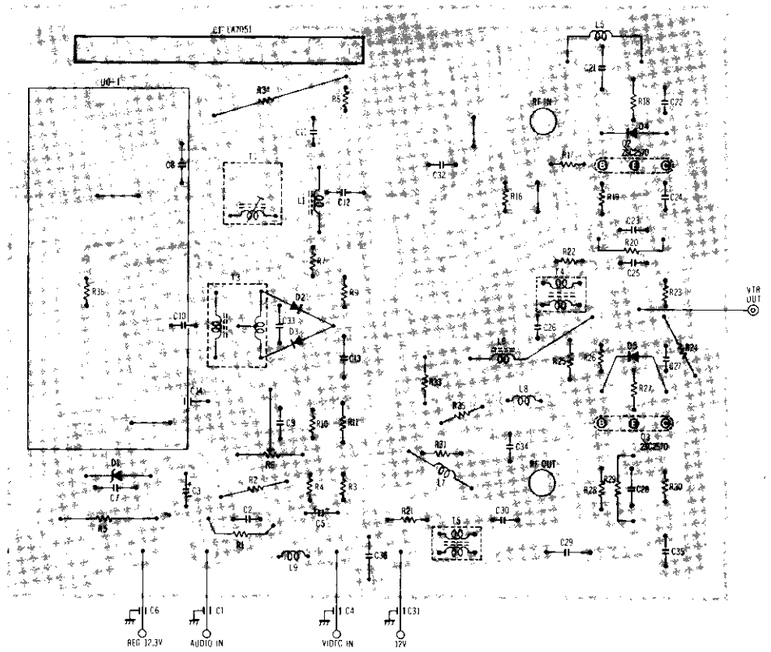
3-39. RF CONVERTER SCHEMATIC DIAGRAM

—Unit No. ENC87786: NV-G10, G7EG—



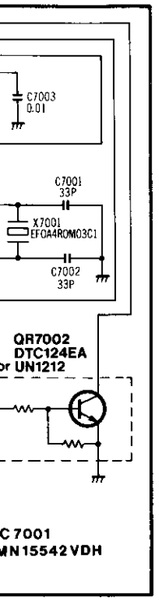
3-40. RF CONVERTER CIRCUIT BOARD

—Unit No. ENC87786: EG—



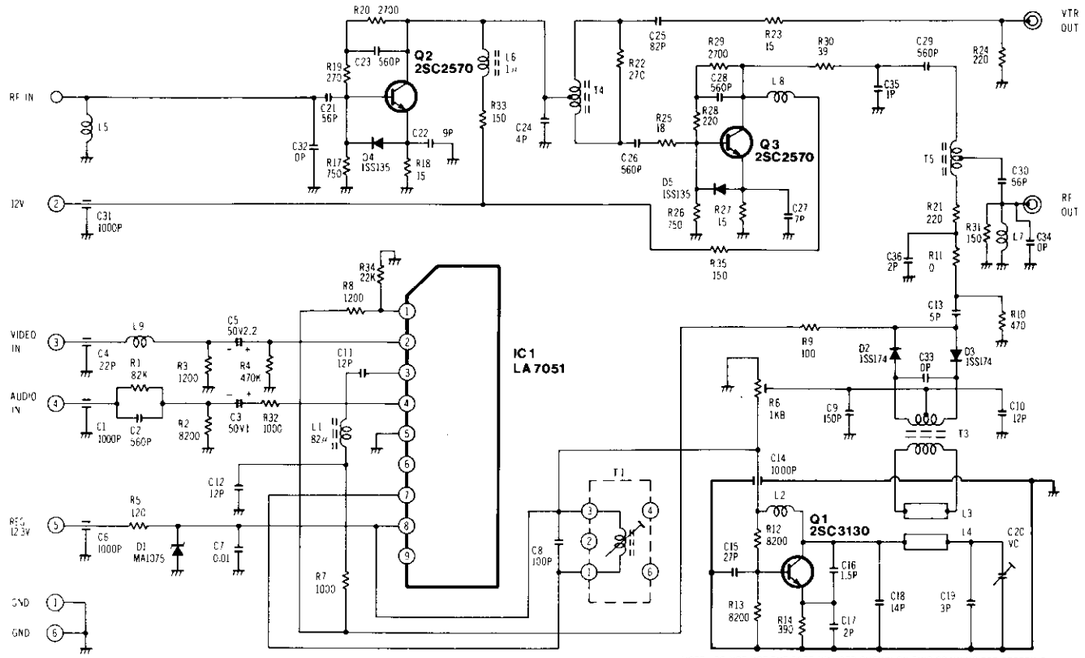
G7EG)

DRAWING FOR ORDERING
PARTS LIST, AND MAY BE
DRAWING WAS PREPARED.



3-39. RF CONVERTER SCHEMATIC DIAGRAM

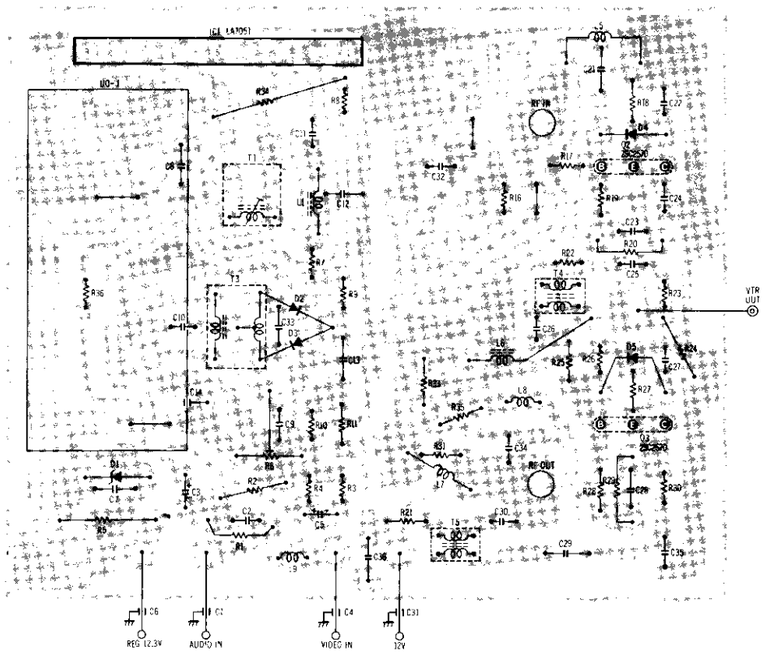
—Unit No. ENC87786: NV-G10, G7EG—



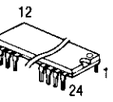
NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED

3-40. RF CONVERTER CIRCUIT BOARD

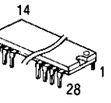
—Unit No. ENC87786: EG—



TRANSISTORs
RMATION

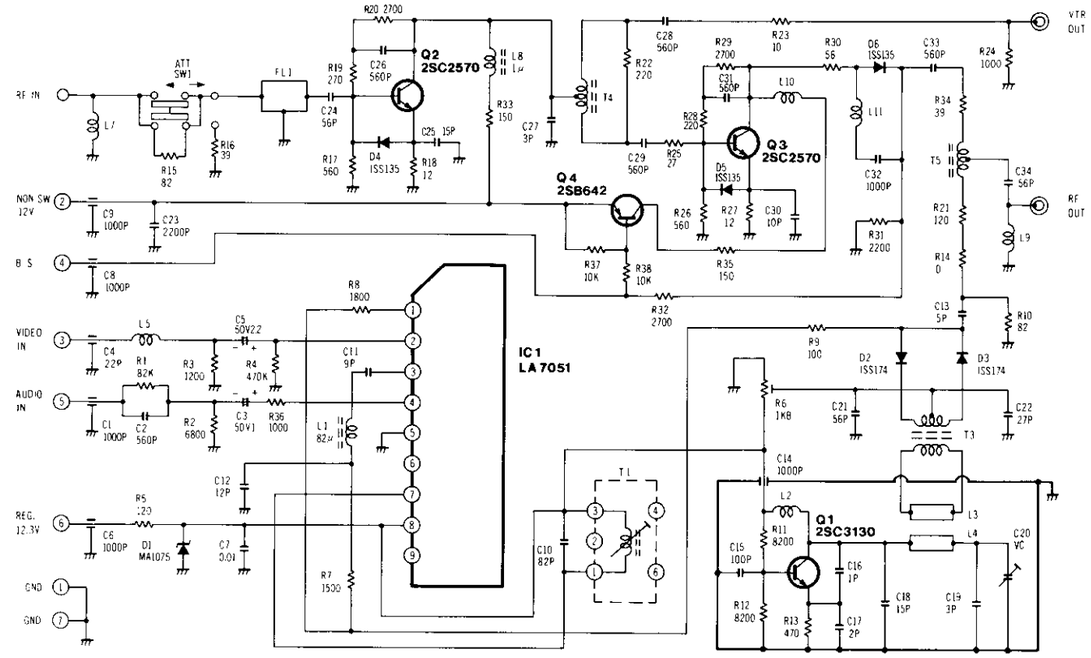


SAF1134P



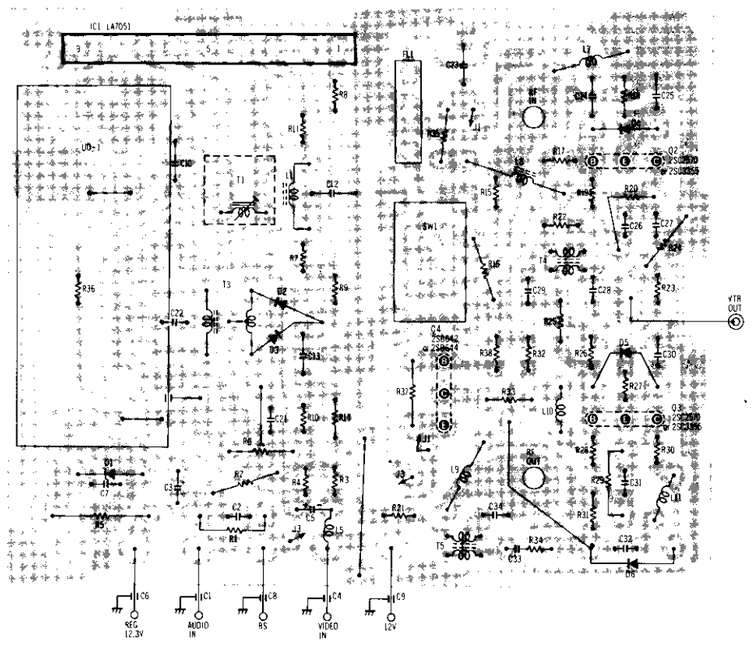
SAA5235

—Unit No. ENC87782: NV-G10, G7B—



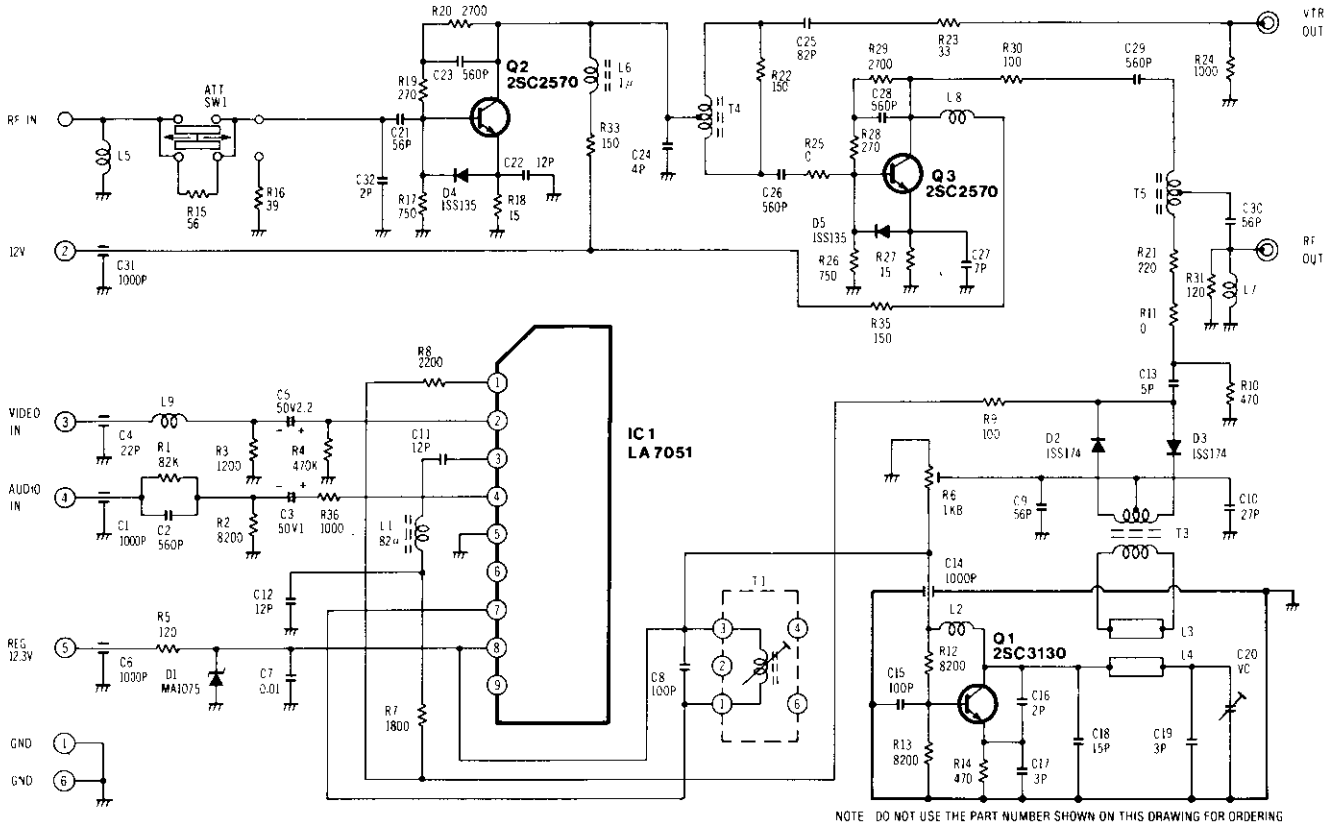
NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED

—Unit No. ENC87782: NV-G10, G7B—

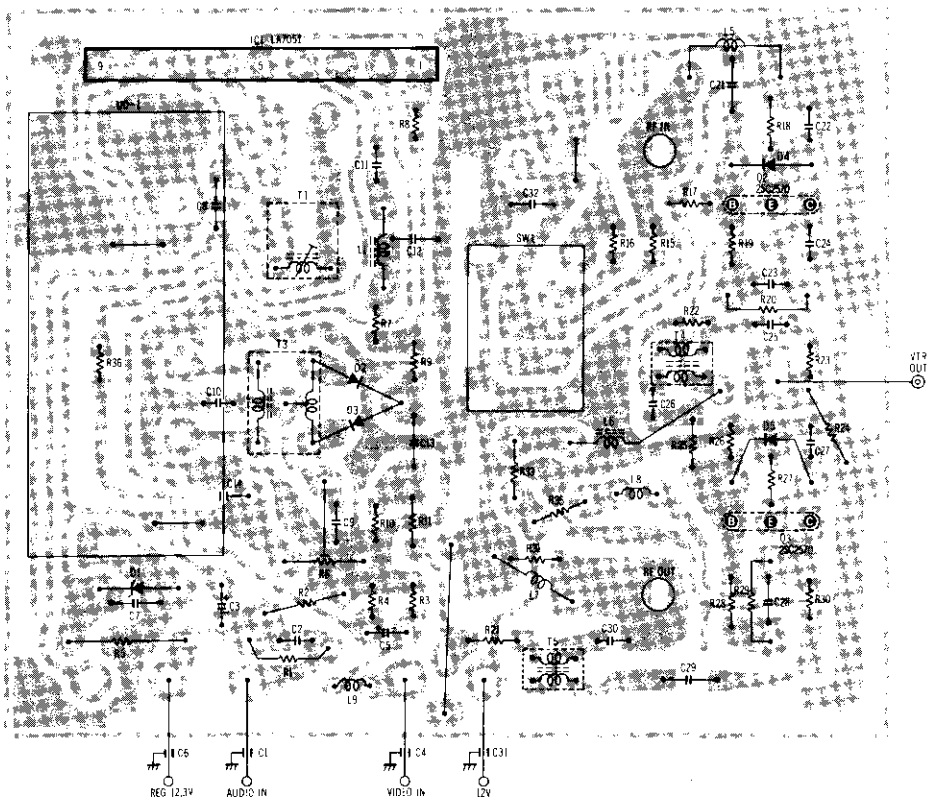


MC-Service

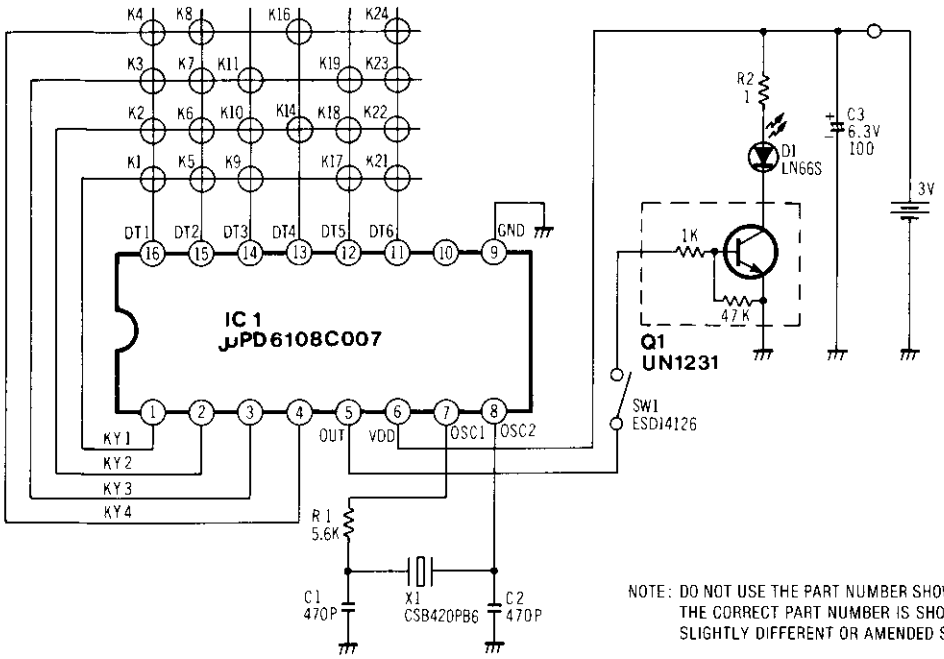
—Unit No. ENC87784: NV-G10, G7EO—



—Unit No. ENC87784: NV-G10, G7EO—



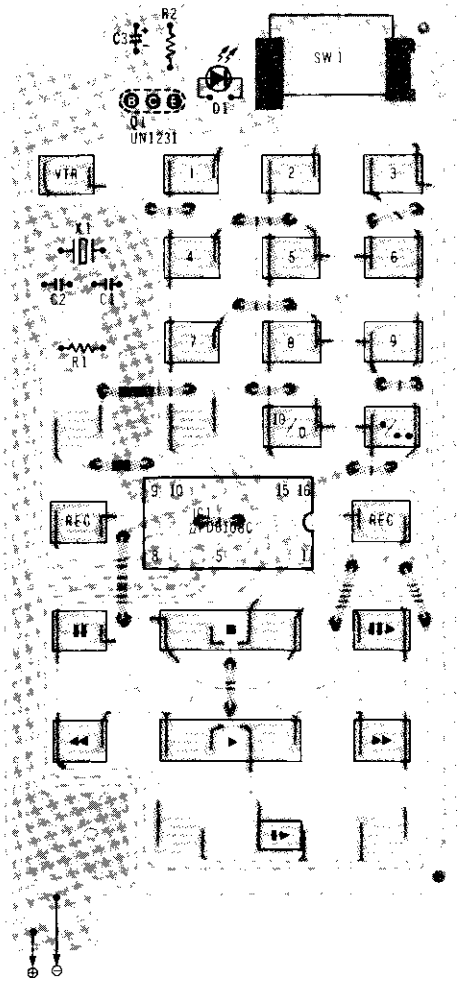
3-41. IR REMOTE CONTROLLER SCHEMATIC DIAGRAM



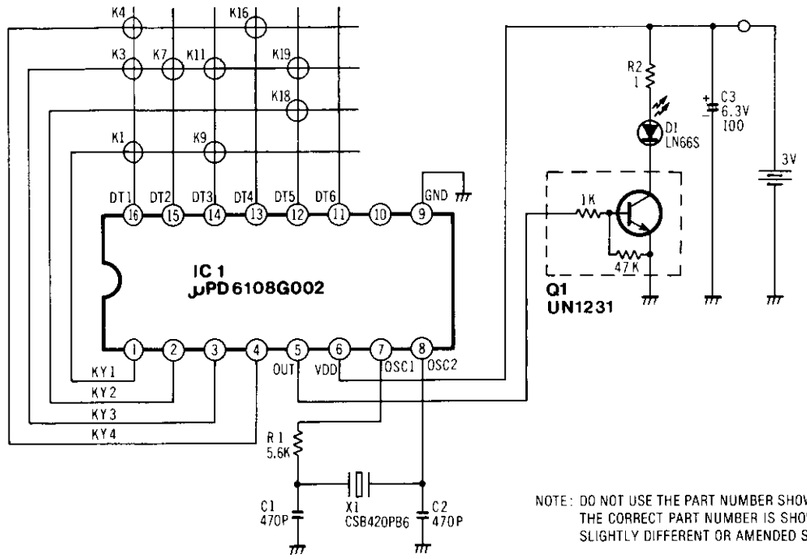
KEY NO.	FUNCTION
1	CH 3
2	CH 6
3	CH 9
4	•/••
5	CH 2
6	CH 5
7	CH 8
8	0 / 10
9	CH 1
10	CH 4
11	CH 7
14	SLOW
16	POWER ON/OFF
17	FF
18	PLAY
19	REW
21	FRAME ADV
22	STOP
23	STILL/PAUSE
24	REC

NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

3-42. IR REMOTE CONTROLLER CIRCUIT BOARD (VEP22034: NV-G10)



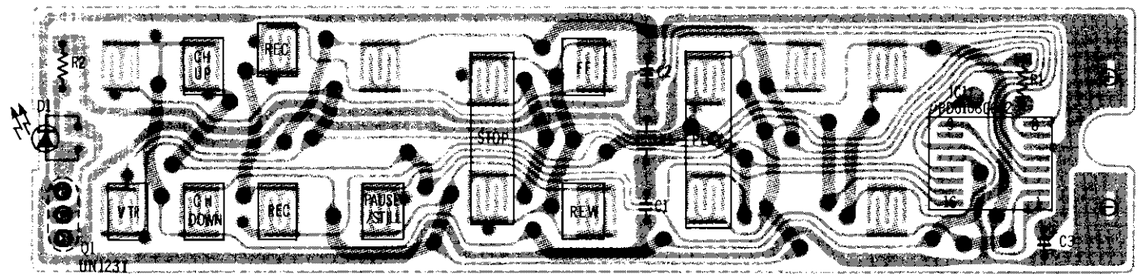
3-43. IR REMOTE CONTROLLER SCHEMATIC DIAGRAM (NV-G7B)



KEY NO.	FUNCTION
1	STOP
3	REW
4	FF
7	STILL/PAUSE
9	REC
11	PLAY
—	—
—	—
16	VTR
18	CH UP
19	CH DOWN

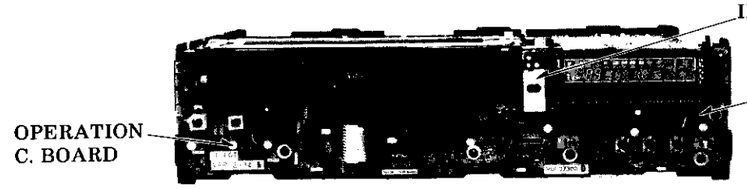
NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

3-44. IR REMOTE CONTROLLER CIRCUIT BOARD (VEP22046A: NV-G7B)

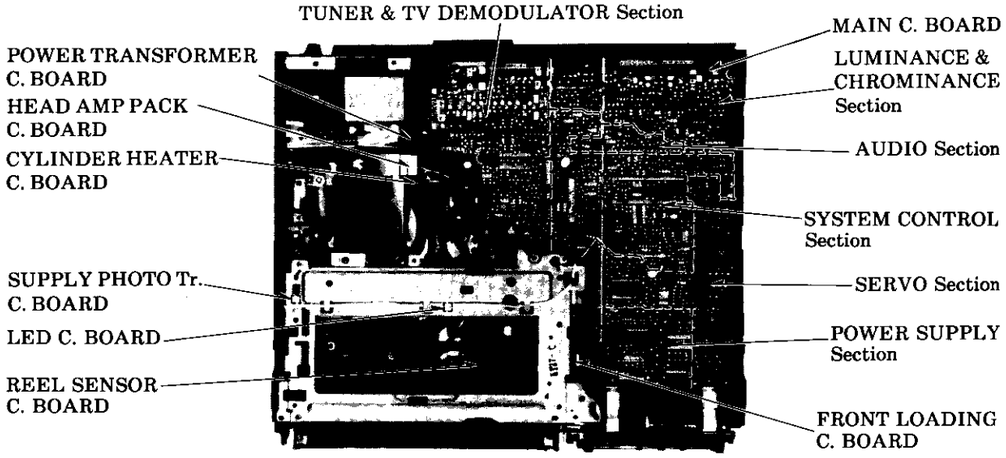


3-45. CIRCUIT BOARD LAYOUT

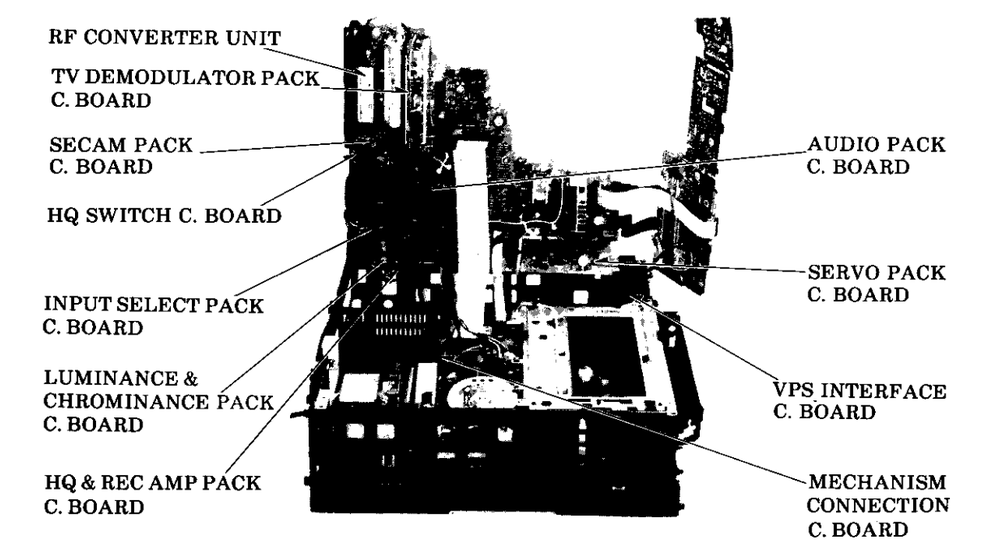
FRONT VIEW



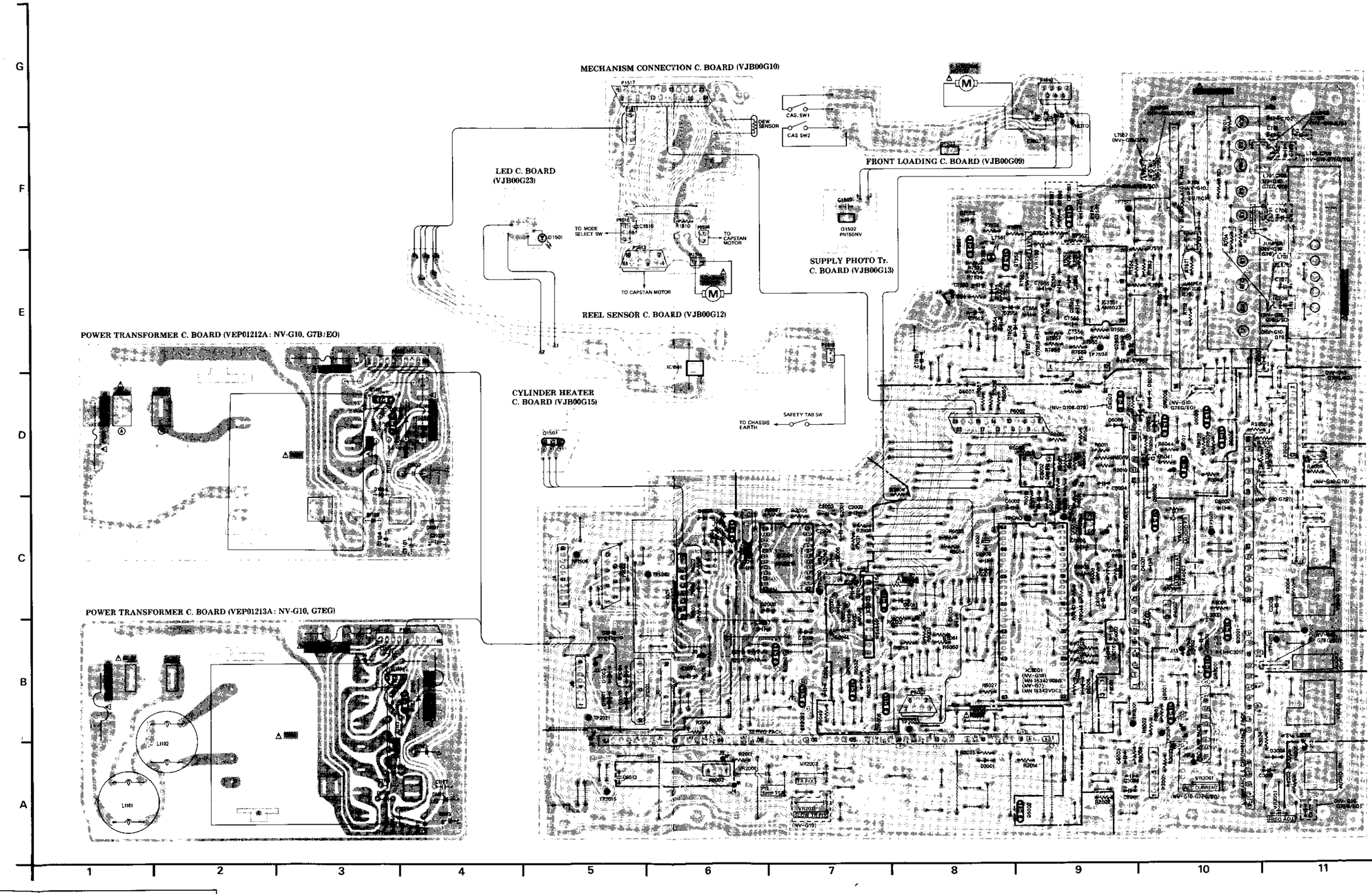
TOP VIEW (1)



TOP VIEW (2)



3-46. MAIN CIRCUIT BOARD (VEP06333F: NV-G10EG) (VEP06333H: NV-G10B) (VEP06333G: NV-G10EO) (VEP06333P: NV-G7EG) (VEP06333L: NV-G7B) (VEP06333N: NV-G7EO)



Back Page:
IR REMOTE CONTROLLER Section

3—28

MAIN CIRCUIT BOARD ADDRESS INFORMATION

POWER SUPPLY SECTION	
Transistor	
Q1001	C-6
Q1101	D-3 (NV-G10, G7B/EO)
Q1101	B-3 (NV-G10, G7EG)
Q1102	D-3 (NV-G10, G7B/EO)
Q1102	B-4 (NV-G10, G7EG)
Q1501	D-5
Integrated Circuit	
IC1001	C-6
Test Point	
TP1001	C-10
TP1002	C-6

ADDRESS INFORMATION

AUDIO SECTION	
Test Point	
TP4001	B-11
Adjustment	
VR4001	C-10
VR4002	C-10

ADDRESS INFORMATION

LUMINANCE & CHROMINANCE SECTION	
Transistor	
Q3001	B-10
Q8001	B-10
Transistor & Resistor	
QR8001	B-10
Test Point	
TP3001	B-10
TP3002	B-11
Adjustment	
VR3001	A-10
VR3051	A-11

ADDRESS INFORMATION

TUNER & TV DEMODULATOR SECTION	
Transistor	
Q7551	E-8
Q7552	E-8
Transistor & Resistor	
QR7551	F-9 (NV-G10, G7EO/EG)
Integrated Circuit	
IC7551	E-9
Test Point	
TP7506	C-5
TP7508	E-9
TP7517	F-9
Adjustment	
VR7502	E-9

ADDRESS INFORMATION

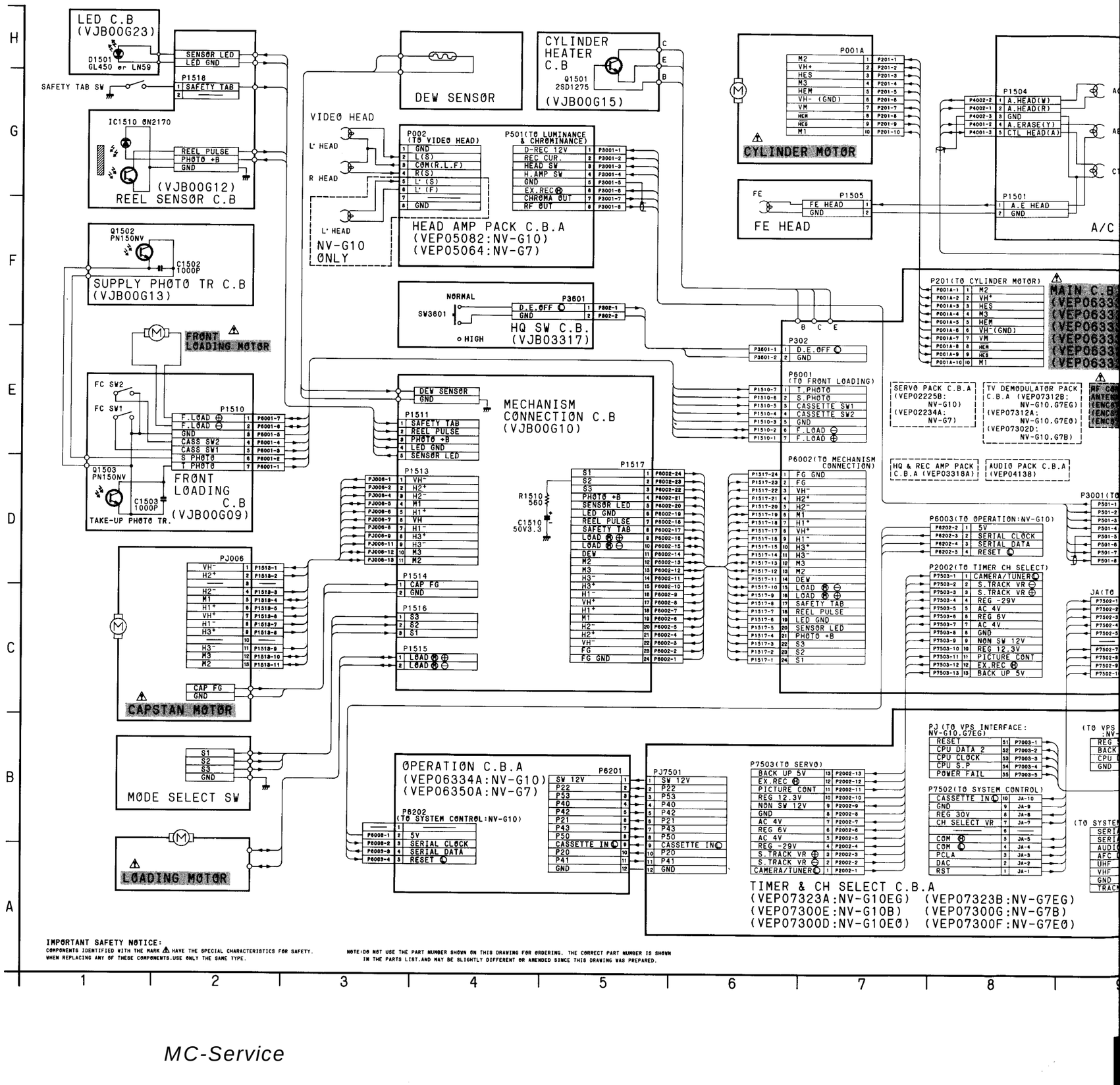
SYSTEM CONTROL SECTION	
Transistor	
Q1502	F-7
Q1503	F-8
Q6002	A-9
Q6003	D-9 (NV-G10, G7B)
Q6004	C-7
Q6005	D-10
Q6006	D-10
Q6007	D-10
Transistor & Resistor	
QR6001	B-7
QR6002	C-10
QR6003	D-10
QR6005	B-7
Integrated Circuit	
IC1501	E-6
IC6001	B-9
IC6002	D-9
IC6003	C-7
IC6004	C-9
Test Point	
TP6001	C-9
TP GND	C-9

ADDRESS INFORMATION

SERVO SECTION	
Transistor & Resistor	
QR2001	B-7
QR2002	B-7
Integrated Circuit	
IC2001	C-7
Test Point	
TP2001	B-9
TP2002	B-8
TP2015	A-5
TP2020	C-7
TP2021	B-5
Adjustment	
VR2001	A-6
VR2002	A-7
VR2011	A-7 (NV-G10B/EG/EO)

ADDRESS INFORMATION

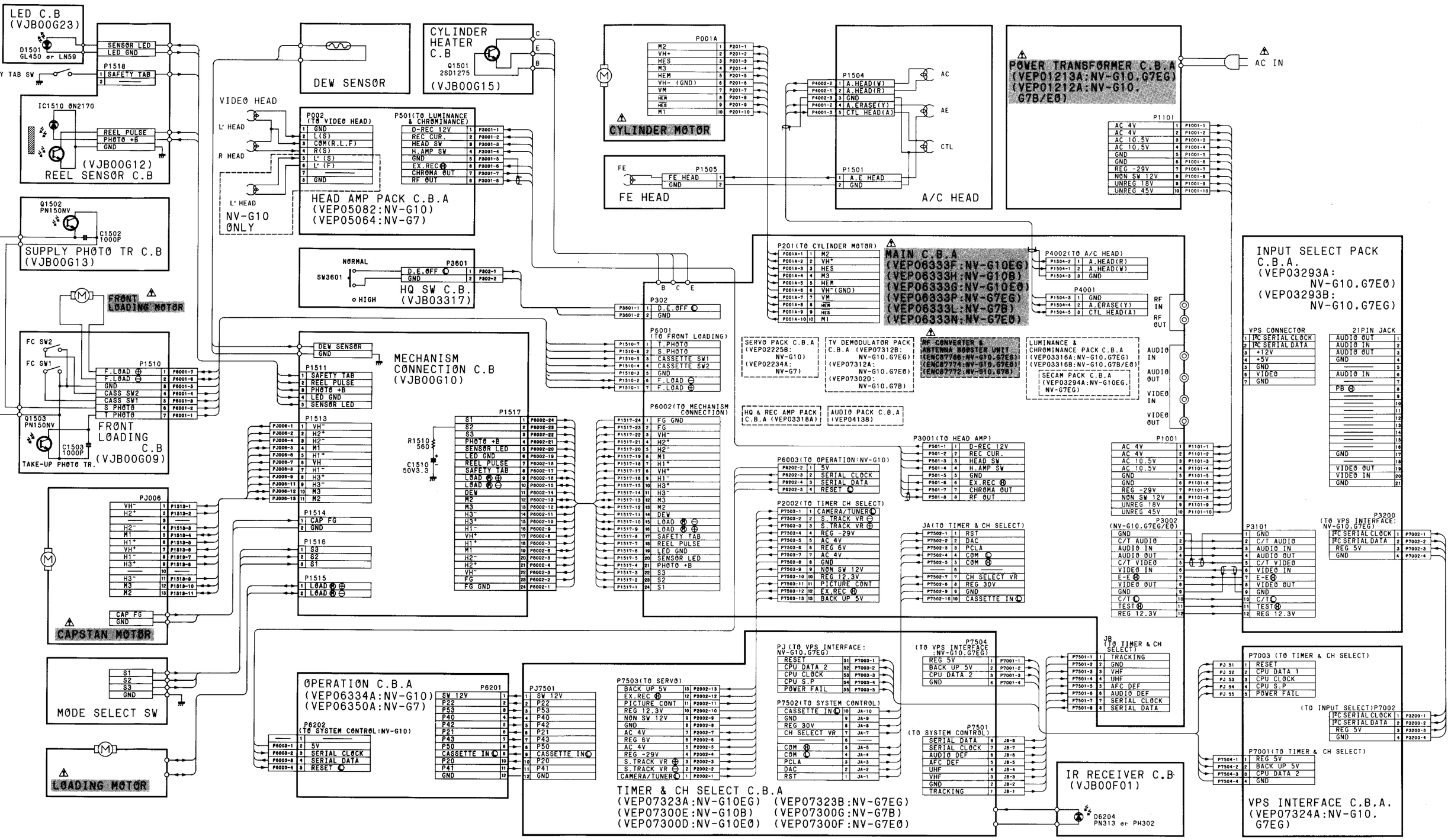
3-47. INTERCONNECTION SCHEMATIC DIAGRAM



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.

NOTE:DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST.AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

INTERCONNECTION SCHEMATIC DIAGRAM

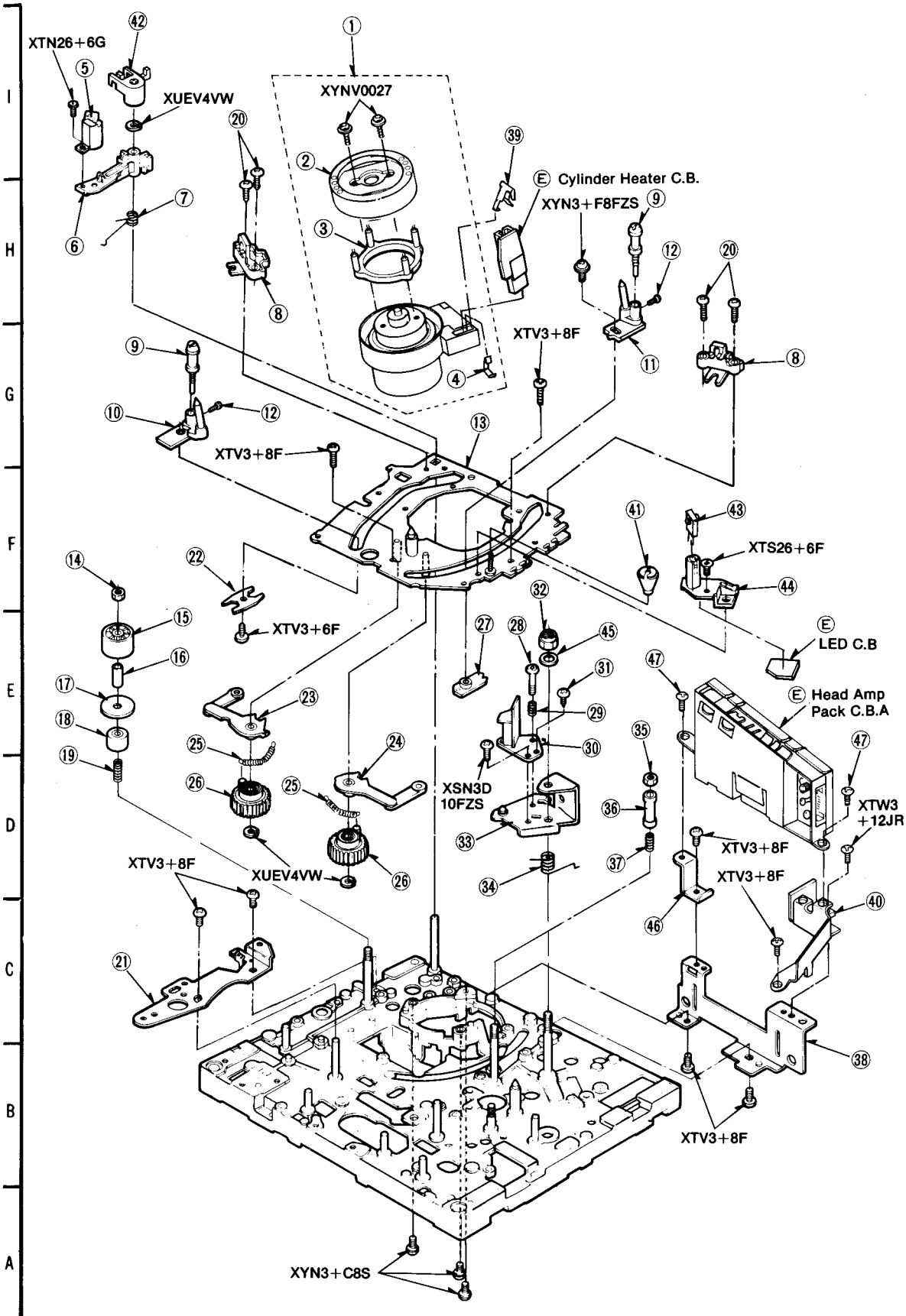


IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS,USE ONLY THE SAME TYPE.

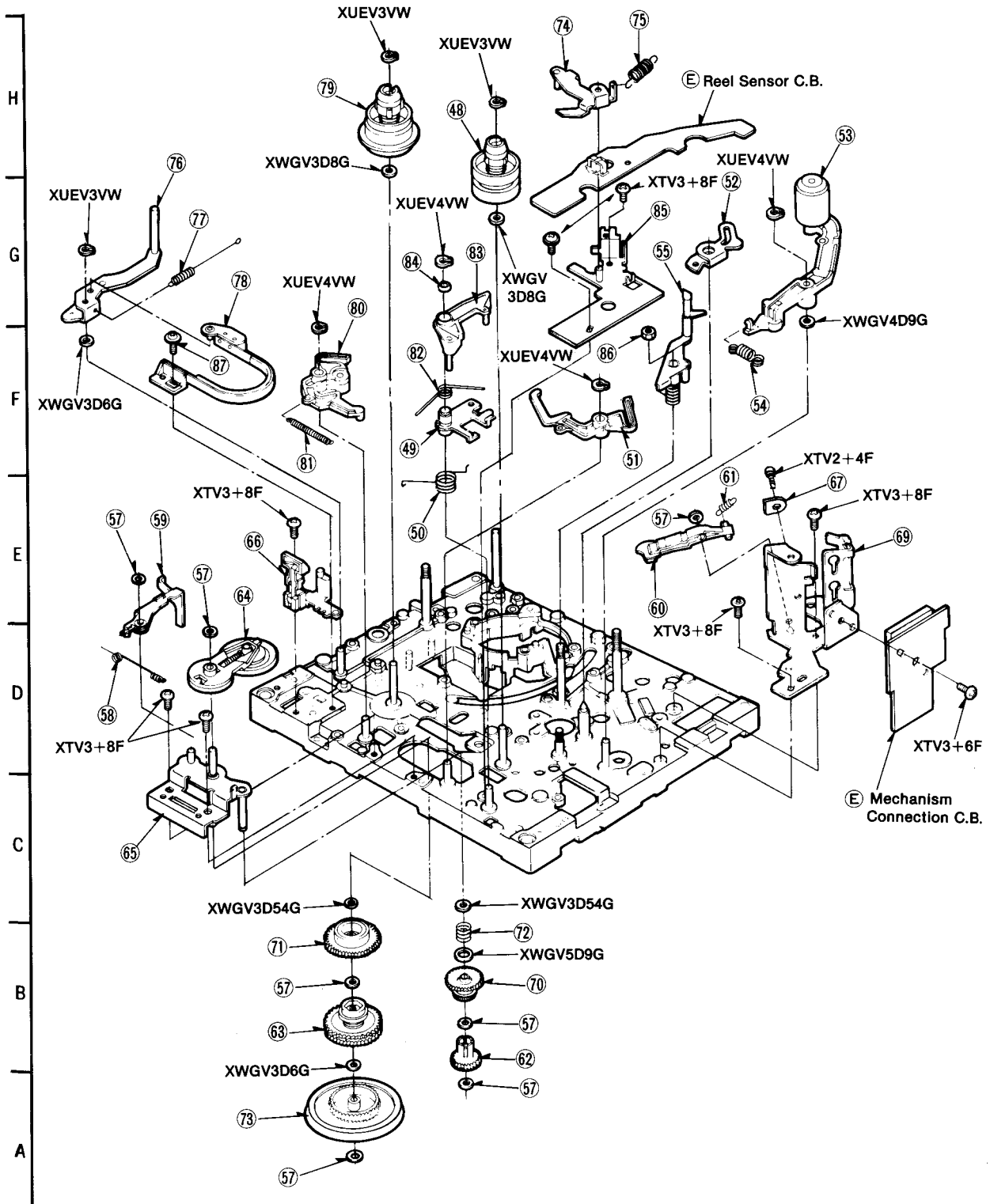
NOTE:DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST.AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

SECTION 4
EXPLODED VIEWS & PARTS LIST

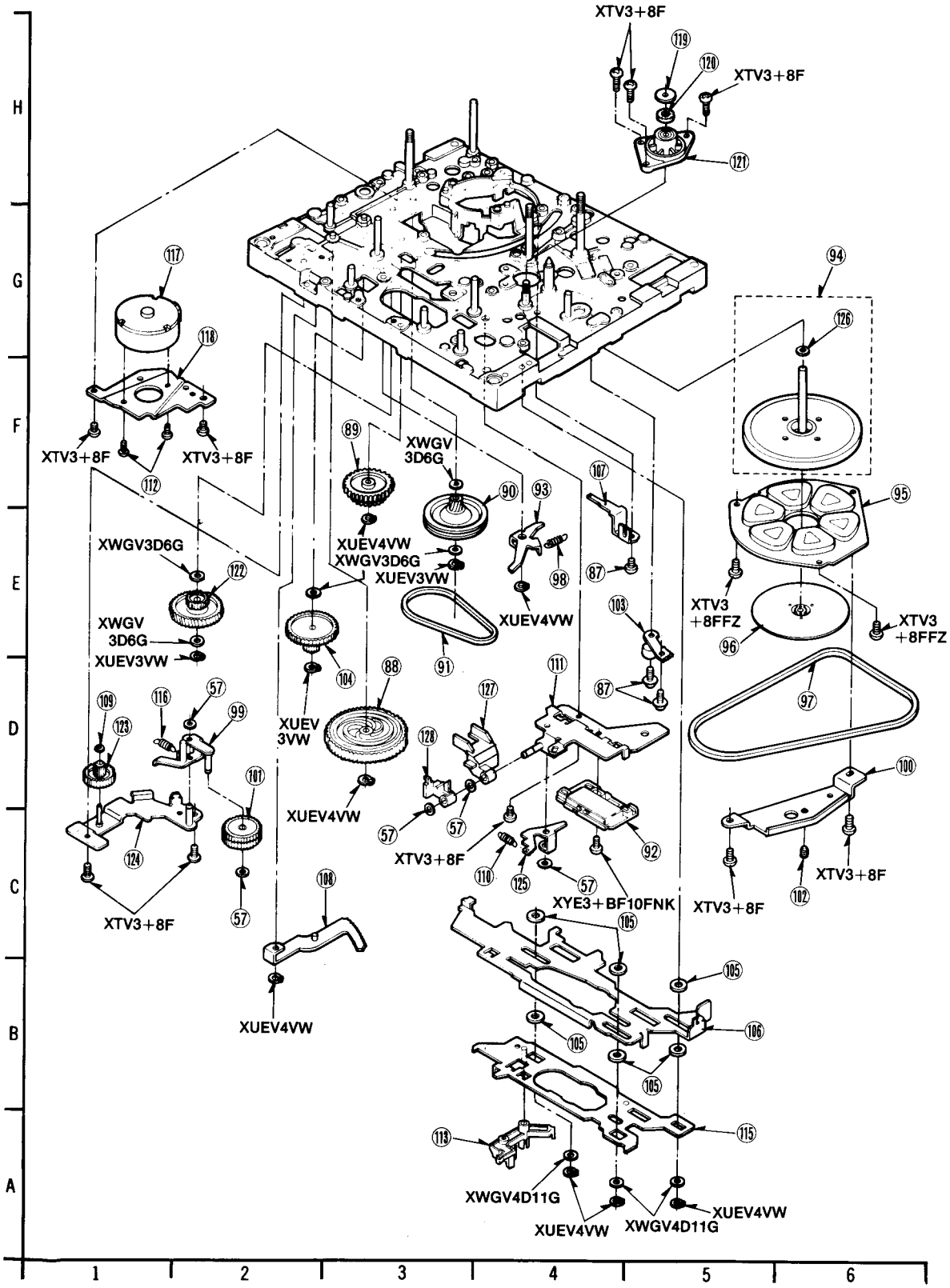
4-1. EXPLODED VIEW ❶ TRANSPORT SECTION



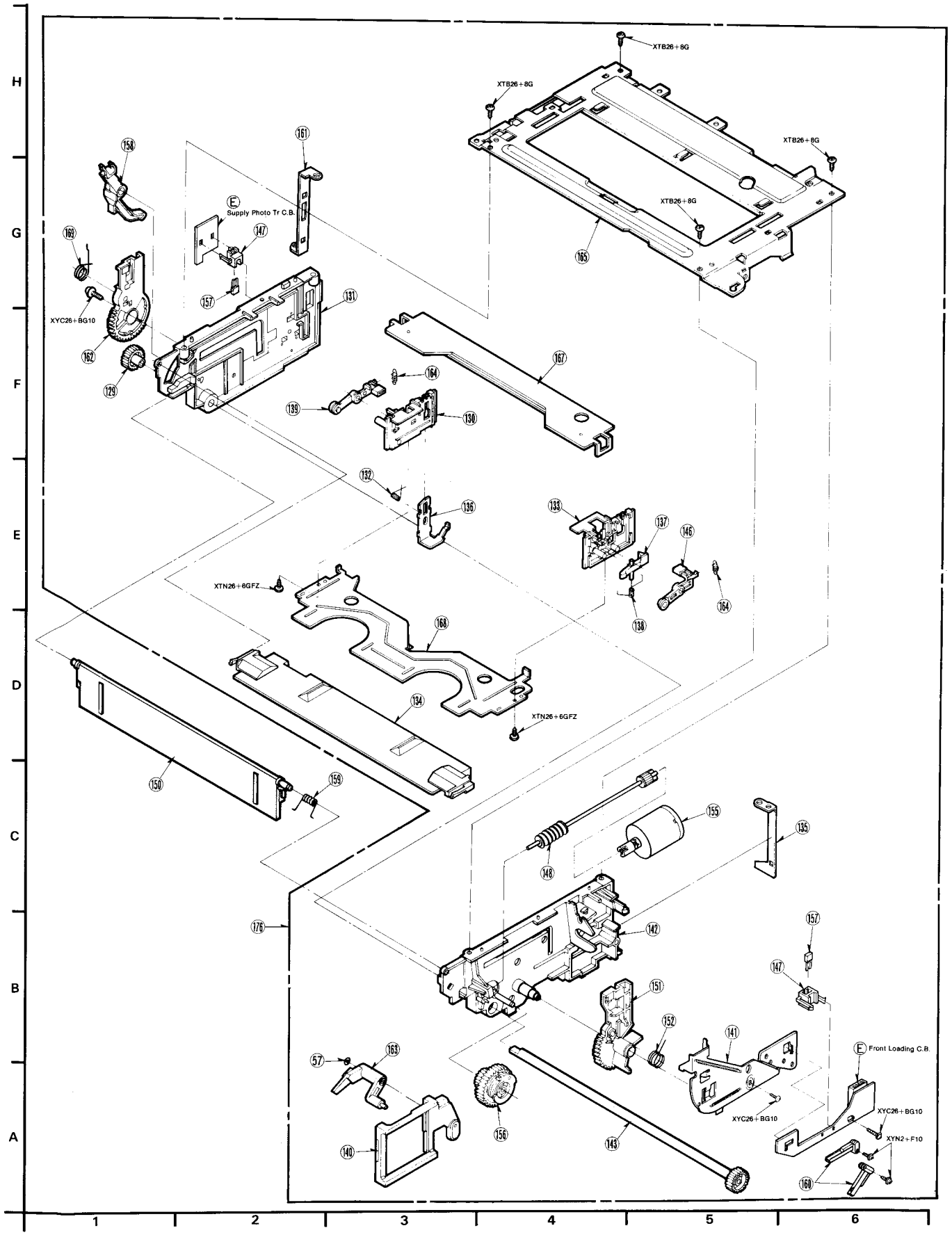
❷ MOVING MECHANISM SECTION



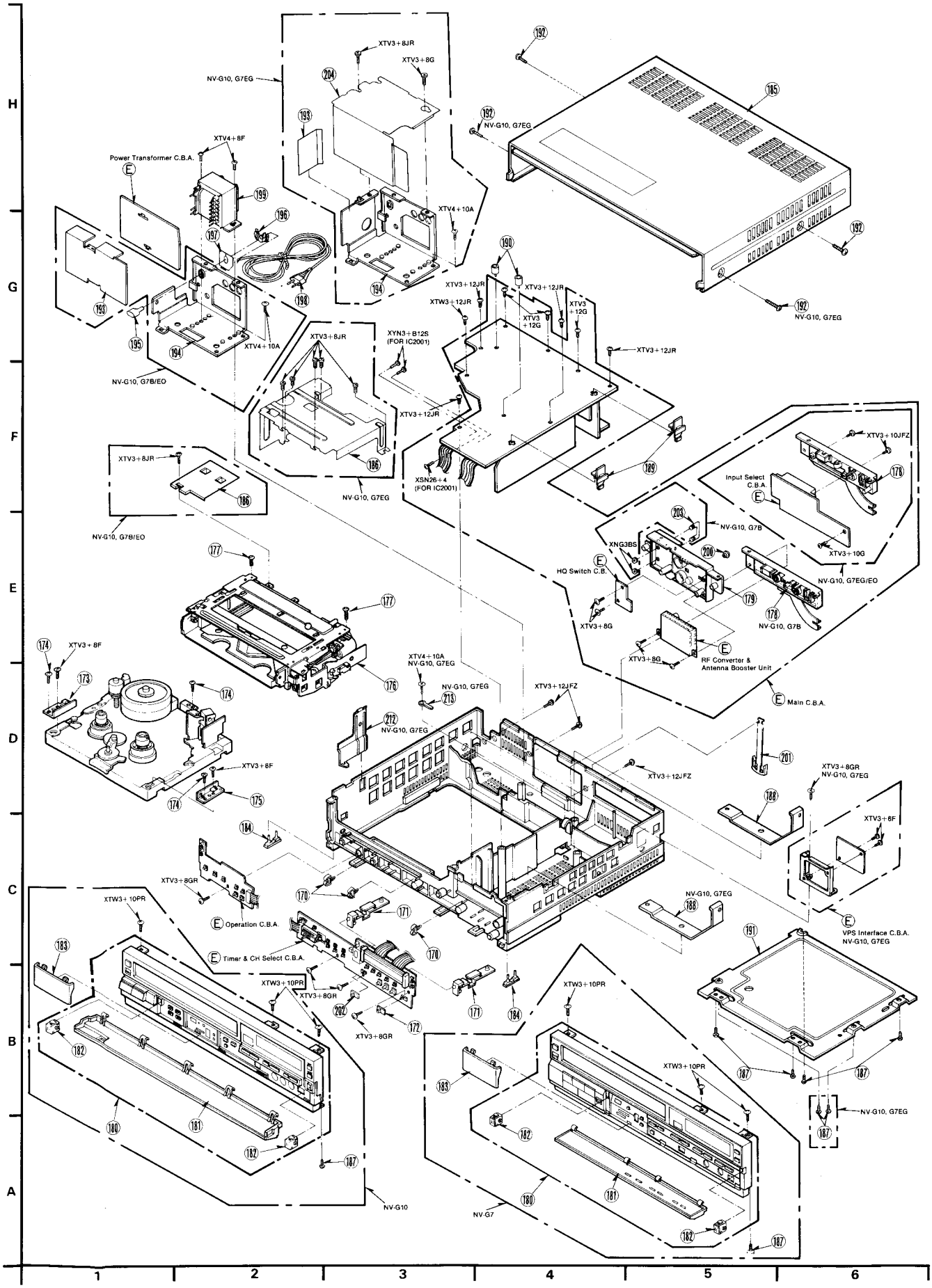
❸ CHASSIS PARTS SECTION



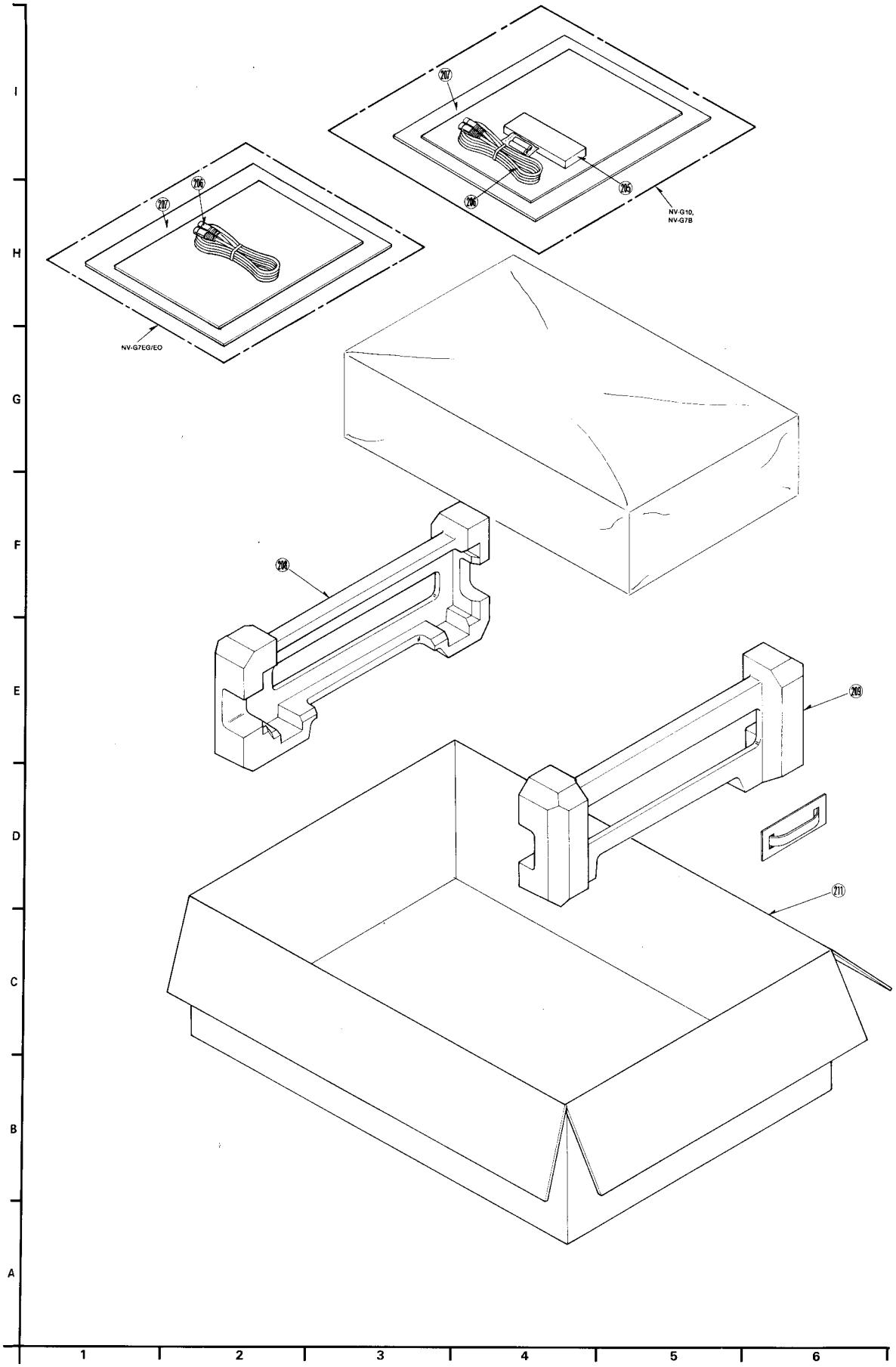
❹ CASSETTE UP MECHANISM SECTION



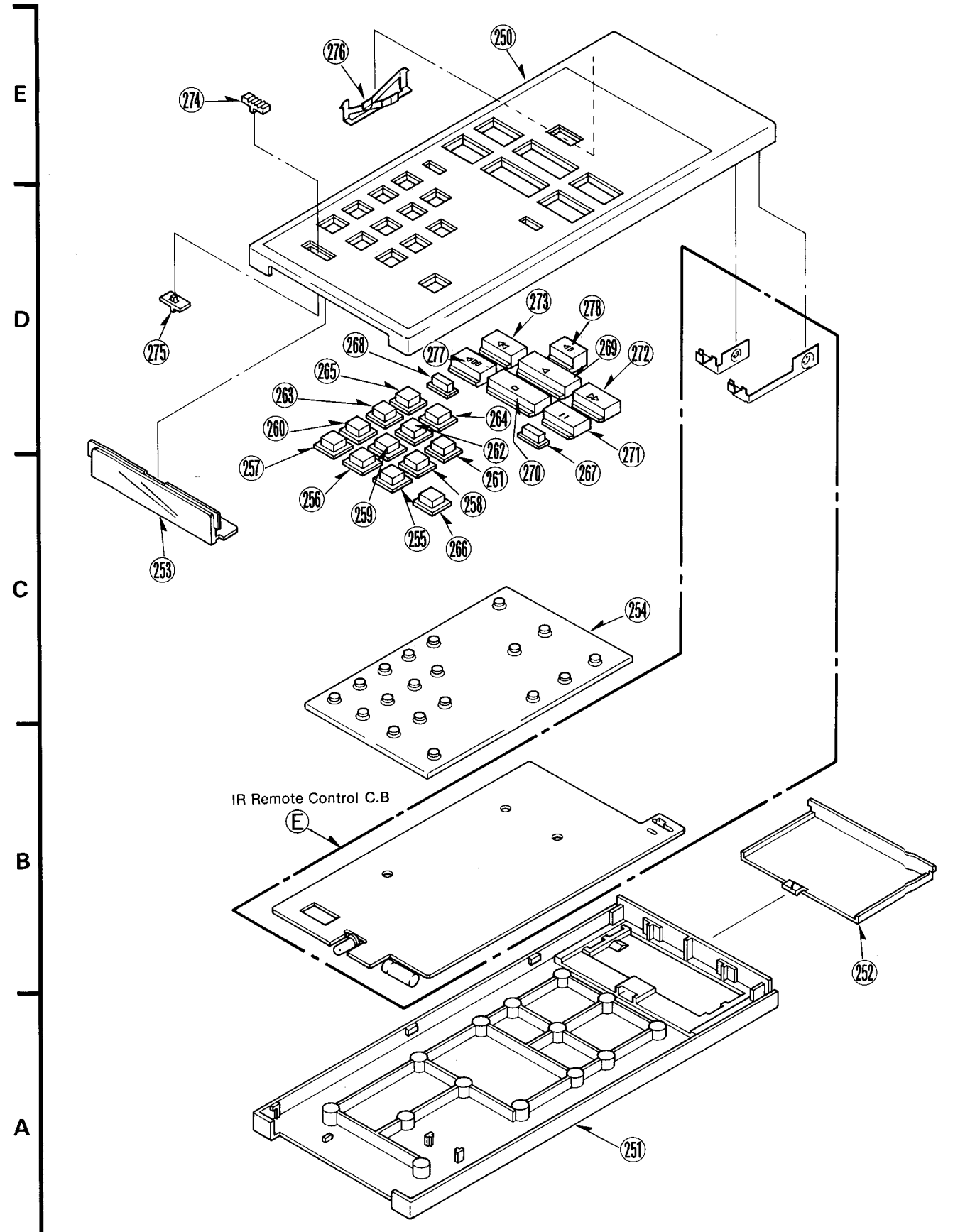
❺ CASING PARTS SECTION



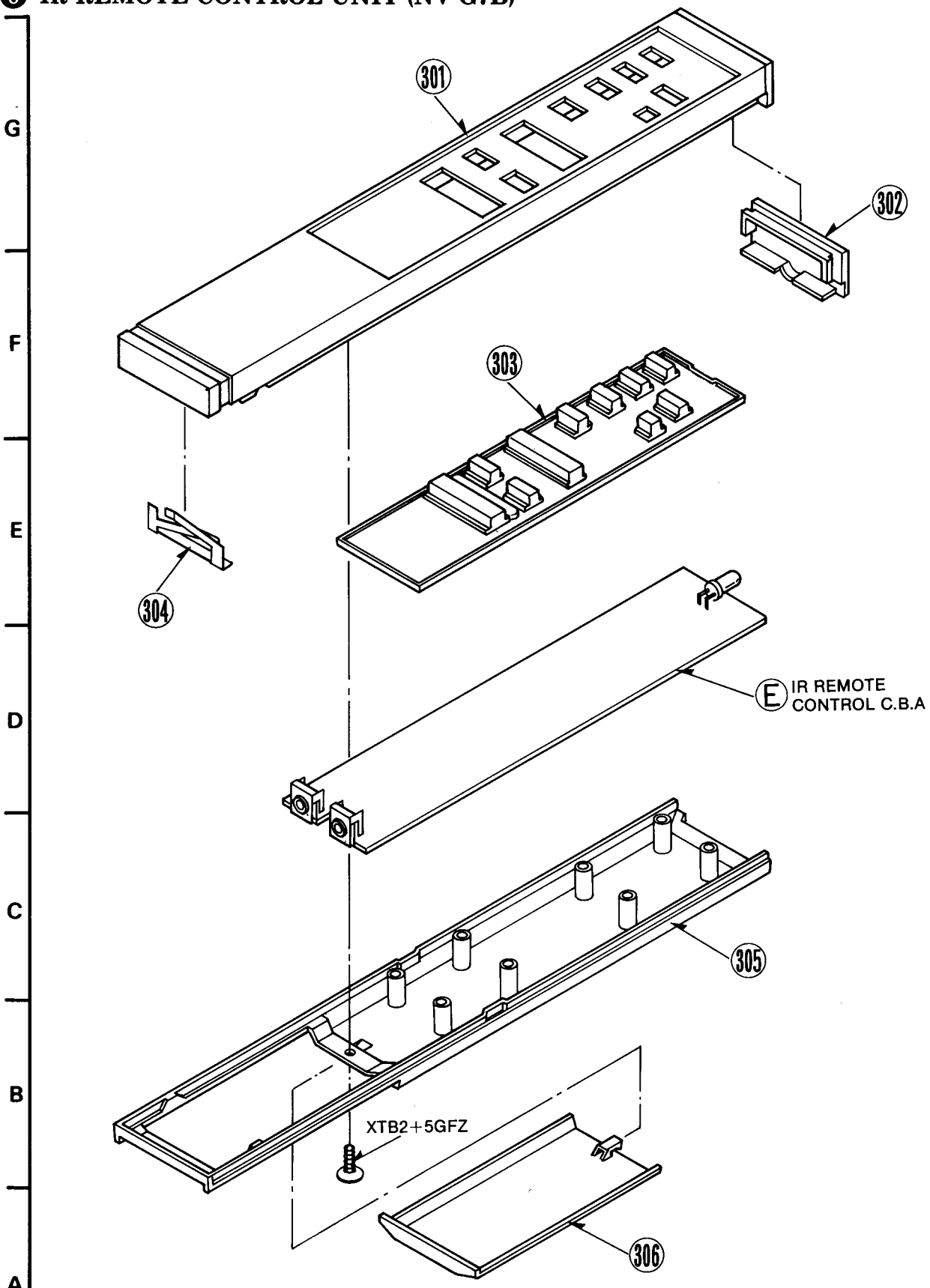
❻ PACKING PARTS SECTION



❼ IR REMOTE CONTROL UNIT (NV-G10)



⑧ IR REMOTE CONTROL UNIT (NV-G7B)



ORDER NO. VRD8601103A
(Date of issue : FEB. 1986)

PARTS LIST

MODEL NO :

1. NV-

Mechanical Replacement Parts List

* This parts list is detachable from the manual.

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)		VEG0352	DD CYLINDER UNIT	1	NV-G10EG/EO/B <!>
1(1)		VEG0397	DD CYLINDER UNIT	1	NV-G7EG/EO/B <!>
2(1)		VEH0287	UPPER CYLINDER UNIT	1	NV-G10EG/EO/B
2(1)		VEH0296	UPPER CYLINDER UNIT	1	NV-G7EG/EO/B
3(1)		VJR0082	RT TERMINAL	1	
4(1)		VMC0049	CYLINDER HEATER PRESSURE	1	
			SPRING		
5(1)		VBS0030	FE HEAD	1	
6(1)		VML1761	FE LEVER	1	
7(1)		VMB1459	FE LEVER SPRING	1	
8(1)		VMD0797	POST STOPPER	2	
9(1)		VXP0302A	ROLLER POST UNIT	2	
10(1)		VXA2438	INCLIND BASE (S) UNIT	1	
11(1)		VXA2439	INCLIND BASE (T) UNIT	1	
12(1)		VHD0133	SCREW	2	
13(1)		VXA2446	LOADING BASE (1) UNIT	1	
14(1)		VHD0045	NYLON NUT	1	
15(1)		VDP0908	LIMITER ROLLER	1	
16(1)		VMX0541	COLLAR	1	
17(1)		VMX0456	LOWER LIMITER	1	
18(1)		VMX0663	LIMITER STAND	1	
19(1)		VMB0754	P1 SPRING	1	
20(1)		VHD0147	SCREW	4	
21(1)		VMA6764	POSITION PLATE	1	
22(1)		VMA6759	SHAFT HOLDER STOPPER (A)	1	
23(1)		VXL0753	LOADING ARM (L) UNIT	1	
24(1)		VXL1152	LOADING ARM (R) UNIT	1	
25(1)		VMB0669	LOADING SPRING	2	
26(1)		VXP0520	LOADING GEAR UNIT	2	
27(1)		VXA1966	INCLIND ADJUSTMENT PLATE	1	
28(1)		VHD0054	ADJUSTMENT SCREW	1	
29(1)		VMB1251	ADJUSTMENT SPRING	1	
30(1)		VBR0091	A/C HEAD	1	
31(1)		VHD0089B	AZIMUTH ADJUSTMENT SCREW	1	
32(1)		VHN0038	M5 NYLON NUT	1	
33(1)		VXA2160	HEAD BASE UNIT	1	
34(1)		VMB1189	A/C HEIGHT SPRING	1	
35(1,2)		VHN0023	M3 NYLON NUT	2	
36(1)		VMX0647	POST SLEEVE	1	
37(1)		VMB1235	P4 POST SPRING	1	
38(1)		VMA6507	CHASSIS BRACKET	1	
39(1)		VMC0117	EARTH SPRING	1	
40(1)		VMA6819	HA ANGLE (R)	1	
41(1)		VHN0050	X ADJUSTMENT NUT	1	
42(1)		VMD0646	WIRE HOLDER	1	
43(1)		GL450	PHOTO DIODE	1	OR LN59
44(1)		VMD0644	LED HOLDER	1	
45(1)		VMX0750	SPACER	1	
46(1)		VMA6717	HA ANGLE (L)	1	OR VMA6508
47(1)		VHD0268	SCREW	2	
48(2)		VXR0136	TAKE-UP REEL TABLE UNIT	1	
49(2)		VML1610	SOFT BRAKE RELEASE LEVER	1	
50(2)		VMB1290	SOFT BRAKE SPRING (A)	1	
51(2)		VXZ0189	T SIDE MAIN BRAKE UNIT	1	
52(2)		VML1754	P5 PULL OUT LEVER	1	
53(2)		VXL1371	PRESSURE ROLLER LEVER	1	
			UNIT		
54(2)		VMB1001	PIN PRESSURE SPRING	1	
55(2)		VXL1244	P5 ARM UNIT	1	
56(2)		VMB1307	P5 SPRING	1	
57(2,3,4)		VMX0653	CUT WASHER	13	
58(2)		VMB1198	S SOFT BRAKE SPRING	1	
59(2)		VML1757	S SOFT BRAKE ARM	1	
60(2)		VXZ0185	CAPSTAN BRAKE (A) UNIT	1	
61(2)		VMB1292	CAPSTAN BRAKE ARM	1	
			SPRING (1)		
62(2)		VDG0189	INTERMEDIATE GEAR (A)	1	
63(2)		VXP0600	CENTRE CLUTCH UNIT	1	
64(2)		VXP0521	IDLER ARM UNIT	1	
65(2)		VXA2153	FF LEVER BASE UNIT	1	
66(2)		VES0262	SAFETY SWITCH UNIT	1	
67(2)		VEK2604	DEW SENSOR UNIT	1	
68(2)		VJF0004	WIRE SADDLE	1	
69(2)		VXA2442	DEW ANGLE (1) UNIT	1	
70(2)		VDG0188	INTERMEDIATE GEAR (B)	1	
71(2)		VXP0599	CLUTCH GEAR UNIT	1	
72(2)		VMB1288	INTERMEDIATE GEAR LIFT	1	
			SPRING		
73(2)		VDP0985	CLUTCH PULLEY	1	
74(2)		VXL1230	IDLER STOPPER UNIT	1	
75(2)		VMB1293	IDLER STOPPER SPRING	1	
76(2)		VXL1157	TENSION ARM (1) UNIT	1	
77(2)		VMB1458	TENSION SPRING	1	
78(2)		VXZ0165	TENSION BAND UNIT	1	
79(2)		VXR0118	SUPPLY REEL TABLE UNIT	1	
80(2)		VXZ0187	S SIDE MAIN BRAKE UNIT	1	
81(2)		VMB1289	MAIN BRAKE SPRING	1	
82(2)		VMB1291	SOFT BRAKE SPRING (B)	1	
83(2)		VXZ0191	T SOFT BRAKE (1) UNIT	1	
84(2)		VMX0743	STOPPER RING	1	
85(2)		VXA2464	INTERMEDIATE ANGLE (1)	1	
			UNIT		
86(2)		VHN0023	M3 NYLON NUT	1	
87(2,3)		VHD0149	SCREW	4	
88(3)		VDG0200	CAM GEAR	1	
89(3)		VDG0278	DRIVE GEAR (2)	1	
90(3)		VDG0275	INTERMEDIATE PULLEY GEAR	1	
91(3)		VDV0158	LOADING BELT	1	
92(3)		VSS0135	MODE SELECT SWITCH	1	
93(3)		VML1618	SUB CLUTCH RELEASE ARM	1	
94(3)		VXP0695	CAPSTAN ROTOR UNIT	1	
95(3)		VEK2634	CAPSTAN STATOR UNIT	1	<!>
96(3)		VXP0597	CAPSTAN PULLEY UNIT	1	
97(3)		VDV0149	CAPSTAN BELT	1	
98(3)		VMB1296	SUB LEVER SPRING	1	
99(3)		VXL1237	SUB CLUTCH ARM (1) UNIT	1	
100(3)		VMA6504	THRUST SUPPORT PLATE	1	
101(3)		VXP0601	SUB CLUTCH UNIT	1	
102(3)		VMX0742	THRUST SCREW	1	
103(3)		VEH0275	FG HEAD UNIT	1	
104(3)		VDG0145	INTERMEDIATE GEAR	1	
105(3)		VMX0122	SLIDE WASHER	6	
106(3)		VXL1373	MAIN LEVER UNIT	1	
107(3)		VXS0059	EARTH PLATE UNIT	1	
108(3)		VXL1377	SECTOR GEAR UNIT	1	
109(3)		VMX0967	CUT WASHER	1	
110(3)		VMB1295	SELECT ARM SPRING	1	
111(3)		VXA2469	SWITCH BASE UNIT	1	
112(3)		VHD0267	SCREW	2	
113(3)		VXL1376	KICK ARM UNIT	1	
115(3)		VXL1375	SUB LEVER (1) UNIT	1	
116(3)		VMB1294	SUB CLUTCH ARM SPRING	1	
117(3)		VEM0242	LOADING MOTOR	1	<!>
118(3)		VMA6765	LOADING MOTOR BRACKET	1	
119(3)		VMX0251	OIL SEAL	1	
120(3)		VMD0104	OIL POOL	1	
121(3)		VXD0092	HOUSING UNIT	1	
122(3)		VDG0146	INTERMEDIATE GEAR	1	
123(3)		VDG0178	KICK GEAR	1	
124(3)		VXA2444	SUB CLUTCH BASE (1) UNIT	1	
125(3)		VML1763	SELECT ARM (A)	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
126(3)		VMX0265	THRUST WASHER	1	
127(3)		VML1616	SELECT ARM (B)	1	
128(3)		VML1624	SELECT PRESSURE LEVER	1	
129(3)		VDG0274	SHAFT GEAR (L)	1	
130(3)		VXA2432	HOLDER GUIDE (L)(1) UNIT	1	
131(3)		VMD0801	SIDE PLATE (L)	1	
132(4)		VMB1456	SAFETY LEVER SPRING	1	
133(4)		VXA2452	HOLDER GUIDE (R)(1) UNIT	1	
134(4)		VMA6767	CASSETTE GUIDE	1	
135(4)		VSC1577	SHIELD BRACKET (R)	1	
136(4)		VMM0152	SAFETY LEVER	1	
137(4)		VML1585	RELEASE LEVER	1	
138(4)		VMB1259	RELEASE LEVER SPRING	1	
139(4)		VXL1246	PRESSURE LEVER (L) UNIT	1	
140(4)		VXA2169	SLIDER (R)(1) UNIT	1	
141(4)		VMA6760	SWITCH BRACKET	1	
142(4)		VXA2424	SIDE PLATE (R)(1) UNIT	1	
143(4)		VXP0692	MAIN SHAFT UNIT	1	
146(4)		VXL1247	PRESSURE LEVER (R) UNIT	1	
147(4)		VMD0645	PHOTO HOLDER	2	
148(4)		VXP0693	WORM SHAFT UNIT	1	
150(4)		VKF0487	BLINDER PANEL	1	(BLACK)
150(4)		VKF0405	BLINDER PANEL	1	(SILVER)
151(4)		VML1756	WIPER ARM (R)	1	
152(4)		VMB1300	WIPER SPRING (R)	1	
155(4)		VEM0243	FRONT LOADING MOTOR	1	<!>
156(4)		VXP0691	WORM WHEEL UNIT	1	
157(4)		PN150NV	PHOTO Tr.	2	
158(4)		VML1625	FRONT OPENER LEVER	1	
159(4)		VMB1258	BLINDER SPRING	1	
160(4)		VSH0028	SKELTON SWITCH	2	
161(4)		VSC1578	SHIELD BRACKET (L)	1	
162(4)		VML1620	WIPER ARM (L)	1	
163(4)		VXL1238	CASSETTE OPENER UNIT	1	
164(4)		VMB1257	PRESSURE LEVER SPRING	2	
165(4)		VMA6766	TOP PLATE	1	
167(4)		VXA2181	HOLDER ANGLE UNIT	1	
168(4)		VMA6761	CASSETTE HOLDER	1	
169(4)		VMB1301	WIPER SPRING (L)	1	
170(5)		VJF0285	CLAMPER	3	
171(5)		VKC0246	HINGE	2	
172(5)		VGU2725	TIMER REC KNOB	1	
173(5)		VMA6465	MOUNT PLATE (L)	1	
174(5)		VHD0168	SCREW	3	
175(5)		VMA6466	MOUNT PLATE (R)	1	
176(4,5)		VXA2562	CASSETTE UP UNIT	1	NV-G10EG,NV-G7EG
176(4,5)		VXA2450	CASSETTE UP UNIT	1	NV-G10EO/B,NV-G7EO/B
177(5)		VHD0268	SCREW	2	
178(5)		VEJ0491	REAR JACK BOARD	1	NV-G10EG,NV-G7EG
178(5)		VEJ0466	REAR JACK BOARD	1	NV-G10B,NV-G7B
178(5)		VEJ0467	REAR JACK BOARD	1	NV-G10EO,NV-G7EO
179(5)		VJH0364	RF & ANTENNA BOARD	1	NV-G10EG,NV-G7EG
179(5)		VJH0363	RF & ANTENNA BOARD	1	NV-G10EO/B,NV-G7EO/B
180(5)		VYP1606	FRONT PANEL UNIT	1	NV-G10EG (SILVER)
180(5)		VYP1607	FRONT PANEL UNIT	1	NV-G10EG (BLACK)
180(5)		VYP1574	FRONT PANEL UNIT	1	NV-G10B (SILVER)
180(5)		VYP1575	FRONT PANEL UNIT	1	NV-G10B (BLACK)
180(5)		VYP1576	FRONT PANEL UNIT	1	NV-G10EO (SILVER)
180(5)		VYP1577	FRONT PANEL UNIT	1	NV-G10EO (BLACK)
180(5)		VYP1564	FRONT PANEL UNIT	1	NV-G7EG (SILVER)
180(5)		VYP1565	FRONT PANEL UNIT	1	NV-G7EG (BLACK)
180(5)		VYP1568	FRONT PANEL UNIT	1	NV-G7B (SILVER)
180(5)		VYP1569	FRONT PANEL UNIT	1	NV-G7B (BLACK)
180(5)		VYP1566	FRONT PANEL UNIT	1	NV-G7EO (SILVER)
180(5)		VYP1567	FRONT PANEL UNIT	1	NV-G7EO (BLACK)
181(5)		VYF0801	FRONT DOOR UNIT	1	NV-G10EG/EO/B
					(SILVER)
181(5)		VYF0802	FRONT DOOR UNIT	1	NV-G10EG/EO/B
					(BLACK)
181(5)		VYF0795	FRONT DOOR UNIT	1	NV-G7EG/EO/B (SILVER)
181(5)		VYF0796	FRONT DOOR UNIT	1	NV-G7EG/EO/B (BLACK)
182(5)		VGQ0963	DOOR MAGNET	2	
183(5)		VKF0650	PRESET COVER	1	NV-G10EG/EO/B
183(5)		VKF0694	PRESET COVER	1	NV-G7EG/EO/B
184(5)		VKA0026	RUBBER FOOT	2	
185(5)		VYP1578	TOP PANEL UNIT	1	NV-G10EO/B (SILVER)
					NV-G7EO/B (SILVER)

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
185(5)		VYP1580	TOP PANEL UNIT	1	NV-G10EO/B (BLACK)
					NV-G7EO/B (BLACK)
185(5)		VYP1608	TOP PANEL UNIT	1	NV-G10EG (SILVER)
					NV-G7EG (SILVER)
185(5)		VYP1609	TOP PANEL UNIT	1	NV-G10EG (BLACK)
					NV-G7EG (BLACK)
186(5)		VSC1541	BCI SHIELD CASE	1	NV-G10EG,NV-G7EG
186(5)		VSC1628	BCI SHIELD CASE	1	NV-G10EO/B
					NV-G7EO/B
187(5)		VHD0059	SCREW	7	NV-G10EG,NV-G7EG
187(5)		VHD0059	SCREW	5	NV-G10EO/B
					NV-G7EO/B
188(5)		VMP0817	TOP CASE SUPPORT ANGLE	1	NV-G10EO/B
					NV-G7EO/B
189(5)		VKC0247	HINGE	2	
190(5)		VMX0549	SPACER	2	
191(5)		VYP1604	BOTTOM PLATE UNIT	1	NV-G10EG,NV-G7EG
191(5)		VKU0229	BOTTOM PLATE	1	NV-G10EO/B
					NV-G7EO/B
192(5)		VHD0252	SCREW	4	NV-G10EG (SILVER)
					NV-G7EG (SILVER)
192(5)		VHD0253	SCREW	4	NV-G10EG (BLACK)
					NV-G7EG (BLAC
192(5)		VHD0252	SCREW	2	NV-G10EO/B (SILVER)
					NV-G7EO/B (SILVER)
192(5)		VHD0253	SCREW	2	NV-G10EO/B (BLACK)
					NV-G7EO/B (BLACK)
193(5)		VMZ0699	BARRIER	1	NV-G10EO/B
					NV-G7EO/B
193(5)		VMZ0788	BARRIER	1	NV-G10EG,NV-G7EG
194(5)		VMP0857	POWER TRANSFORMER ANGLE (R)	1	NV-G10EO/B
					NV-G7EO/B
194(5)		VMP0859	POWER TRANSFORMER ANGLE (R)	1	NV-G10EG,NV-G7EG
195(5)		VMX0237	AC CORD COVER	1	<!>
196(5)		VJF0107	BUSHING	1	<!>
197(5)		VGH0789	POWER NAME PLATE	1	
198(5)		VJA0112	AC CORD	1	NV-G10B,NV-G7B
198(5)		VJA0111	AC CORD	1	NV-G10EO,NV-G7EO
198(5)		VJA0326	AC CORD	1	NV-G10EG,NV-G7EG
199(5)		VTP0187A	POWER TRANSFORMER	1	NV-G10EG,NV-G7EG <!>
199(5)		VTP0172	POWER TRANSFORMER	1	NV-G10B,NV-G7B <!>
199(5)		VTP0178A	POWER TRANSFORMER	1	NV-G10EO,NV-G7EO <!>
200(5)		VMG0272	RF CONVERTER BUSHING	1	
201(5)		VJF0349	AC CORD BAND	1	
202(5)		VGU2707	INPUT SELECT KNOB	1	NV-G7EG/EO
202(5)		VGU2651	INPUT SELECT KNOB	1	NV-G10EG/EO
203(5)		VKH0105	HOOK	1	NV-G10B,NV-G7B
204(5)		VSC1587	POWER SHIELD PLATE	1	NV-G10EG,NV-G7EG
205(6)		VEQ0427	WIRELESS REMOTE CONTROLLER	1	NV-G10EG/EO/B
205(5)		VEQ0449	WIRELESS REMOTE CONTROLLER	1	NV-G7B
206(6)		VJA0217	DIN-RF CABLE	1	
207(6)		VQF1703	FAN BAG KIT	1	NV-G10EG
207(6)		VQF1702	FAN BAG KIT	1	NV-G10B
207(6)		VQF1704	FAN BAG KIT	1	NV-G10EO
207(6)		VQF1696	FAN BAG KIT	1	NV-G7EG
207(6)		VQF1698	FAN BAG KIT	1	NV-G7B
207(6)		VQF1697	FAN BAG KIT	1	NV-G7EO
208(6)		VPN1405	CUSHION (L)	1	NV-G10EG/EO/B
209(6)		VPN1404	CUSHION (R)	1	NV-G10EG/EO/B
209(6)		VPN1427	CUSHION (L)	1	NV-G7EG/EO/B
209(6)		VPN1426	CUSHION (R)	1	NV-G7EG/EO/B
211(6)		VPG2627	PACKING CASE	1	NV-G10EG (SILVER)
211(6)		VPG2628	PACKING CASE	1	NV-G10EG (BLACK)
211(6)		VPG2625	PACKING CASE	1	NV-G10B (SILVER)
211(6)		VPG2626	PACKING CASE	1	NV-G10B (BLACK)
211(6)		VPG2629	PACKING CASE	1	NV-G10EO (SILVER)
211(6)		VPG2630	PACKING CASE	1	NV-G10EO (BLACK)
211(6)		VPG2616	PACKING CASE	1	NV-G7EG (SILVER)
211(6)		VPG2617	PACKING CASE	1	NV-G7EG (BLACK)
211(6)		VPG2620	PACKING CASE	1	NV-G7B (SILVER)
211(6)		VPG2621	PACKING CASE	1	NV-G7B (BLACK)
211(6)		VPG2618	PACKING CASE	1	NV-G7EO (SILVER)
211(6)		VPG2619	PACKING CASE	1	NV-G7EO (BLACK)
212(5)		VMP0891	TOP CASE SUPPORT ANGLE (L)	1	NV-G10EG,NV-G7EG
213(5)		VJR4	CLAMPER	1	NV-G10EG,NV-G7EG

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
250(7)		VYK1216	TOP CASE UNIT	1	NV-G10EG/EO/B
251(7)		VYK1217	BOTTOM CASE UNIT	1	NV-G10EG/EO/B
252(7)		VKF0609	BATTERY COVER	1	NV-G10EG/EO/B
253(7)		VKW0602	SMOKE BOARD	1	NV-G10EG/EO/B
254(7)		VSP0181	RUBBER CONTACT	1	NV-G10EG/EO/B
255(7)		VGU2566	BUTTON (1)	1	NV-G10EG/EO/B
256(7)		VGU2567	BUTTON (2)	1	NV-G10EG/EO/B
257(7)		VGU2568	BUTTON (3)	1	NV-G10EG/EO/B
258(7)		VGU2569	BUTTON (4)	1	NV-G10EG/EO/B
259(7)		VGU2570	BUTTON (5)	1	NV-G10EG/EO/B
260(7)		VGU2571	BUTTON (6)	1	NV-G10EG/EO/B
261(7)		VGU2572	BUTTON (7)	1	NV-G10EG/EO/B
262(7)		VGU2573	BUTTON (8)	1	NV-G10EG/EO/B
263(7)		VGU2574	BUTTON (9)	1	NV-G10EG/EO/B
264(7)		VGU2575	BUTTON (10/0)	1	NV-G10EG/EO/B
265(7)		VGU2576	BUTTON (./..)	1	NV-G10EG/EO/B
266(7)		VGU2554	BUTTON (VTR)	1	NV-G10EG/EO/B
267(7)		VGU2555	REC BUTTON (RED)	1	NV-G10EG/EO/B
268(7)		VGU2556	REC BUTTON	1	NV-G10EG/EO/B
269(7)		VGU2557	BUTTON (PLAY)	1	NV-G10EG/EO/B
270(7)		VGU2558	BUTTON (STOP)	1	NV-G10EG/EO/B
271(7)		VGU2559	BUTTON (STILL)	1	NV-G10EG/EO/B
272(7)		VGU2561	BUTTON (REW)	1	NV-G10EG/EO/B
273(7)		VGU2562	BUTTON (FF)	1	NV-G10EG/EO/B
274(7)		VGU1213	POWER BUTTON	1	NV-G10EG/EO/B
275(7)		VGQ0601	BUTTON HOLDER	1	NV-G10EG/EO/B
276(7)		VJR0170	ELECTRODE (COMMON)	1	NV-G10EG/EO/B
277(7)		VGU2560	BUTTON (STILL ADV)	1	NV-G10EG/EO/B
278(7)		VGU2905	BUTTON (SLOW)	1	NV-G10EG/EO/B
301(8)		VYK1267	TOP CASE UNIT	1	NV-G7B
302(8)		VKW0654	TOP SMOKE PANEL	1	NV-G7B
303(8)		VSP0218	RUBBER SWITCH	1	NV-G7B
304(8)		VJR0054	ELECTRODE (COMMON)	1	NV-G7B
305(8)		VYK1268	BOTTOM CASE UNIT	1	NV-G7B
306(8)		VKF0705	BATTERY COVER	1	NV-G7B
			JIG		
		VFJ8125H3F	VHS-ALIGNMENT TAPE	1	
		VFK0144	RETAINING RING REMOVER(3mm)	1	
		VFK0191	POST ADJUSTMENT PLATE	1	
		VFK0190	REEL TABLE HEIGHT JIG	1	
		VFK0189	H-POSITION ADJ-FIXTURE	1	
		VFK0137	POST ADJUSTMENT SCREWDRIVER	1	
		VFK0157	FINE ADJUSTMENT SCREWDRIVER	1	
		VFK0133	DIAL TORQUE GAUGE	1	
		VFK0134	ADAPTOR FOR VFK0133	1	
		VFK66	FAN TYPE TENSION GAUGE	1	
		VFK27	HEAD CLEANING STICK	1	
		MOR265	MORLYTONE GREASE	1	
		VFK0283	SERVICE ALIGNMENT TOOL KIT	1	

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

Electrical Replacement Parts List

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=uuF.
4.The P.C.Board units marked width'■'show below the main assembled parts.

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VEPO6333F	MAIN C.B.A.	1	INCLUDING THE SERVO
			(POWER SUPPLY,SERVO,AUDIO,		PACK C.B.A.
			SYSTEM CONTROL,LUMINANCE &		(VEPO2225B),
			CHROMINANCE,TUNER,		LUMINANCE &
			TV DEMODULATOR)		CHROMINANCE PACK
					C.B.A.(VEPO3316A),
					AUDIO PACK C.B.A.
					(VEPO4138),
					TV DEMODULATOR PACK
					C.B.A.(VEPO7312B),
					REC AMP PACK C.B.A.
					(VEPO3318A).
					NV-G10EG <!>
		VEPO6333G	MAIN C.B.A.	1	INCLUDING THE SERVO
			(POWER SUPPLY,SERVO,AUDIO,		PACK C.B.A.
			SYSTEM CONTROL,LUMINANCE &		(VEPO2225B),
			CHROMINANCE,TUNER,		LUMINANCE &
			TV DEMODULATOR)		CHROMINANCE PACK
					C.B.A.(VEPO3316B),
					AUDIO PACK C.B.A.
					(VEPO4138),
					TV DEMODULATOR PACK
					C.B.A.(VEPO7312A),
					REC AMP PACK C.B.A.
					(VEPO3318A).
					NV-G10EO <!>
		VEPO6333H	MAIN C.B.A.	1	INCLUDING THE SERVO
			(POWER SUPPLY,SERVO,AUDIO,		PACK C.B.A.
			SYSTEM CONTROL,LUMINANCE &		(VEPO2225B),
			CHROMINANCE,TUNER,		LUMINANCE &
			TV DEMODULATOR)		CHROMINANCE PACK
					C.B.A.(VEPO3316B),
					AUDIO PACK C.B.A.
					(VEPO4138),
					TV DEMODULATOR PACK
					C.B.A.(VEPO7302D),
					REC AMP PACK C.B.A.
					(VEPO3318A).
					NV-G10B <!>
		VEPO6333P	MAIN C.B.A.	1	INCLUDING THE SERVO
			(POWER SUPPLY,SERVO,AUDIO,		PACK C.B.A.
			SYSTEM CONTROL,LUMINANCE &		(VEPO2234A),
			CHROMINANCE,TUNER,		LUMINANCE &
			TV DEMODULATOR)		CHROMINANCE PACK
					C.B.A.(VEPO3316A),
					AUDIO PACK C.B.A.
					(VEPO4138),
					TV DEMODULATOR PACK
					C.B.A.(VEPO7312B),
					REC AMP PACK C.B.A.
					(VEPO3318A).,
					NV-G7EG <!>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VEPO6333N	MAIN C.B.A.	1	INCLUDING THE SERVO
			(POWER SUPPLY,SERVO,AUDIO,		PACK C.B.A.
			SYSTEM CONTROL,LUMINANCE &		(VEPO2234A),
			CHROMINANCE,TUNER,		LUMINANCE &
			TV DEMODULATOR)		CHROMINANCE PACK
					C.B.A.(VEPO3316B),
					AUDIO PACK C.B.A.
					(VEPO4138),
					TV DEMODULATOR PACK
					C.B.A.(VEPO7312A),
					REC AMP PACK C.B.A.
					(VEPO3318A).
					NV-G7 <!>
		VEPO6333L	MAIN C.B.A.	1	INCLUDING THE SERVO
			(POWER SUPPLY,SERVO,AUDIO,		PACK C.B.A.
			SYSTEM CONTROL,LUMINANCE &		(VEPO2234A),
			CHROMINANCE,TUNER,		LUMINANCE &
			TV DEMODULATOR)		CHROMINANCE PACK
					C.B.A.(VEPO3316B)
					AUDIO PACK C.B.A.
					(VEPO4138),
					TV DEMODULATOR PACK
					C.B.A.(VEPO7302D),
					REC AMP PACK C.B.A.
					(VEPO3318A).
					NV-G7B <!>
		VEPO2225B	SERVO PACK C.B.A.	1	NV-G10EG/EO/B
		VEPO2234A	SERVO PACK C.B.A.	1	NV-G7EG/EO/B
		VEPO3316A	LUMINANCE & CHROMINANCE	1	INCLUDING THE SECAM
			C.B.A.		PACK C.B.A.
					(VEPO3294A)
					NV-G10EG,NV-G7EG
		VEPO3316B	LUMINANCE & CHROMINANCE	1	NV-G10EO/B
			C.B.A.		NV-G7EO/B
		VEPO3294A	SECAM PACK C.B.A.	1	NV-G10EG,NV-G7EG
		VEPO4138	AUDIO PACK C.B.A.	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VEP07312B	TV DEMODULATOR PACK C.B.A.	1	NV-G10EG,NV-G7EG
	VEP07312A	TV DEMODULATOR PACK C.B.A.	1	NV-G10EO,NV-G7EO
	VEP07302D	TV DEMODULATOR PACK C.B.A.	1	NV-G10B,NV-G7B
	VEP03318A	REC AMP C.B.A.	1	
	VEP05082	HEAD AMP PACK C.B.A.	1	NV-G10EG/EO/B
	VEP05064	HEAD AMP PACK C.B.A.	1	NV-G7EG/EO/B
	VEP06334A	OPERATION C.B.A.	1	NV-G10EG/EO/B
	VEP06350A	OPERATION C.B.A.	1	NV-G7EG/EO/B
	VEP07323A	TIMER & CH SELECT C.B.A.	1	INCLUDING THE IR
				RECEIVER C.B.
				(VJB00F01)
				NV-G10EG
	VEP07300D	TIMER & CH SELECT C.B.A.	1	INCLUDING THE IR
				RECEIVER C.B.
				(VJB00F01)
				NV-G10EO
	VEP07300E	TIMER & CH SELECT C.B.A.	1	INCLUDING THE IR
				RECEIVER C.B.
				(VJB00F01)
				NV-G10B
	VEP07323B	TIMER & CH SELECT C.B.A.	1	INCLUDING THE IR
				RECEIVER C.B.
				(VJB00F01)
				NV-G7EG
	VEP07300F	TIMER & CH SELECT C.B.A.	1	INCLUDING THE IR
				RECEIVER C.B.
				(VJB00F01)
				NV-G7EO

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VEP07300G	TIMER & CH SELECT C.B.A.	1	INCLUDING THE IR
				RECEIVER C.B.
				(VJB00F01)
				NV-G7B
	VEP03293B	INPUT SELECT C.B.A.	1	NV-G10EG,NV-G7EG
	VEP03293A	INPUT SELECT C.B.A.	1	NV-G10EO,NV-G7EO
	VEP07324A	VPS INTERFACE C.B.A.	1	NV-G10EG,NV-G7EG
	VEP03317A	DETAIL SW C.B.A.	1	
	ENC87786	RF CONVERTER & ANTENNA	1	NV-G10EG,NV-G7EG <!>
		BOOSTER UNIT		
	ENC87784	RF CONVERTER & ANTENNA	1	NV-G10EO,NV-G7EO <!>
		BOOSTER UNIT		
	ENC87782	RF CONVERTER & ANTENNA	1	NV-G10B,NV-G7B <!>
		BOOSTER UNIT		
	VJB00F01	IR RECEIVER C.B.	1	
	VJB00G13	SUPPLY PHOTO C.B.	1	
	VJB00G23	LED C.B.	1	
	VJB00G10	MECHANISM CONNECTION C.B.	1	
	VJB00G15	CYLINDER HEATER C.B.	1	
	VJB00G09	FRONT LOADING C.B.	1	
	VJB00G12	REEL SENSOR C.B.	1	
	VEP01213A	POWER TRANSFORMER C.B.A.	1	NV-G10EG,NV-G7EG <!>
	VEP01212A	POWER TRANSFORMER C.B.A.	1	NV-G10B,NV-G7B <!>
	VEP01212B	POWER TRANSFORMER C.B.A.	1	NV-G10EO,NV-G7EO <!>
	VEP22034	IR REMOTE CONTROL C.B.A.	1	NV-G10EG/EO/B
	VEP22046A	IR REMOTE CONTROL C.B.A.	1	NV-G7B
	TNV57451F2	TUNER	1	NV-G10EG/EO <!>
				NV-G7EG/EO
	TNV87452F2	TUNER	1	NV-G10B,NV-G7B <!>
T1101	VTP0187A	POWER TRANSFORMER	1	
				NV-G10EG,NV-G7EG <!>
T1101	VTP0178A	POWER TRANSFORMER	1	
				NV-G10EO,NV-G7EO <!>
T1101	VTP0172	POWER TRANSFORMER	1	NV-G10B,NV-G7B <!>
F1101	XBA2C04TB0A	FUSE 250V 400mA	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
F1102		XBA2C12TB0A	FUSE 250V 1.25A	1	NV-G10E0/B,NV-G7E0/B
					<!>
F1102		XBA2C20TB0A	FUSE 250V 2.0A	1	NV-G10EG,NV-G7EG <!>
F1103		XBA2C20TB0A	FUSE 250V 2.0A	1	
		VJF0215	BINDER	1	FOR AC CORD
	■	VEP06333F	MAIN C.B.A.		INCLUDING THE
	■	VEP06333G	(POWER SUPPLY,SERVO,AUDIO,		SERVO PACK C.B.A.
	■	VEP06333H	SYSTEM CONTROL,LUMINANCE &		(VEP02225B,VEP02234A)
	■	VEP06333L	CHROMINANCE,TUNER,TV		,LUMINANCE &
	■	VEP06333N	DEMODULATOR)		CHROMINANCE PACK
	■	VEP06333P			(VEP03316A,VEP03316B)
					AUDIO PACK C.B.A.
					(VEP04138A),TV-
					DEMODULATOR PACK
					C.B.A.(VEP07312A,
			(POWER SUPPLY SECTION)		VEP07312B,VEP07302D),
					REC AMP PACK C.B.A.
					(VEP03318A) <!>
			INTEGRATED CIRCUIT		
IC1001		STK5331		1	
			TRANSISTOR		
Q1001		2SC1384		1	(R)
			DIODES		
D1001		ERA15-01		1	
D1002		ERA15-01		1	
D1003		ERA15-01		1	
D1004		ERA15-01		1	
D1005		ERA15-01		1	
D1006		MA165		1	OR 1SS133,1SS119
			RESISTORS		
R1001		ERG12ANJ182	METAL 1/2W 1.8K	1	
R1002		ERDS2TJ682	6.8K	1	
R1003		ERDS2TJ103	10K	1	
R1004		ERDS2TJ562	5.6K	1	
			CAPACITORS		
C1001		ECEA1EU332	ELECTROLYTIC 25V 3300	1	
C1002		ECEA1VU101	ELECTROLYTIC 35V 100	1	
			CONNECTOR		
P1001		VJP1261	10P	1	
			(SERVO SECTION)		
			INTEGRATED CIRCUIT		
IC2001		AN3821K		1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			COMBINATION PARTS		
			(TRANSISTOR & RESISTOR)		
QR2001		DTC144EA		1	OR UN1213
QR2002		DTA144EA		1	OR UN1113
			DIODE		
D2001		MA165		1	OR 1SS133,1SS119
			RESISTORS		
R2004		ERQS2CKG1203	METAL 120K	1	
R2005		ERDS2TJ102	1K	1	
R2006		ERX12SJR82	METAL 1/2W 0.82	1	
R2007		ERDS2TJ224	220K	1	
R2008		ERDS2TJ224	220K	1	
R2209		ERDS2TJ224	220K	1	
R2010		ERQS2CKG2201	METAL 2.2K	1	
R2011		ERQS2CKG1302	METAL 1.3K	1	
R2012		ERQ12HJ6R8P	FUSE 1/2W 6.8	1	<!>
R2013		ERDS2TJ181	180	1	
R2014		ERDS2TJ473	47K	1	
R2017		ERDS2TJ222	2.2K	1	
R2021		ERDS2TJ561	560	1	
R2022		ERDS2TJ101	100	1	NV-G10EG/E0/B
			VARIABLE RESISTORS		
VR2001		EVN61AA00B54	50K	1	
VR2002		EVN61AA00B15	100K	1	
VR2011		EVN61AA00B15	100K	1	NV-G10EG/E0/B
			CAPACITORS		
C2001		ECEA1VU4R7	ELECTROLYTIC 35V 4.7	1	
C2002		ECEA1VU4R7	ELECTROLYTIC 35V 4.7	1	
C2003		ECEA1VU4R7	ELECTROLYTIC 35V 4.7	1	
C2004		ECQB1H822KH	MYLAR 50V 8200P	1	
C2005		ECQB1H822KH	MYLAR 50V 8200P	1	
C2006		ECQB1H822KH	MYLAR 50V 8200P	1	
C2007		ECQV1H104JZ	MYLAR 50V 0.1	1	
C2008		ECEA1HK010	ELECTROLYTIC 50V 1	1	
C2009		ECEA1HK0R1	ELECTROLYTIC 50V 0.1	1	
C2010		ECEA0JK470	ELECTROLYTIC 6.3V 47	1	
C2011		ECKF1H103ZF	CERAMIC 50V 0.01	1	
			FUSE		
F2001		VSF0043	THERMAL FUSE	1	<!>
			CONNECTOR		
P2002		VJS1475	13P	1	
			(AUDIO SECTION)		
			RESISTORS		
R4001		ERDS2TJ100	10	1	
R4002		ERDS2TJ333	33K	1	
R4005		ERDS2TJ183	18K	1	
R4006		ERDS2TJ222	2.2K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			VARIABLE RESISTORS		
VR4001		EVN61AA00B13	1K	1	
VR4002		EVN61AA00B25	200K	1	
			CAPACITORS		
C4001		ECKF1H1032F	CERAMIC 50V 0.01	1	
C4002		ECKF1H4722F	CERAMIC 50V 4700P	1	
C4003		ECQB1H333KH	MYLAR 50V 0.033	1	NV-G10B,NV-G7B
C4101		ECKF1H471KB	CERAMIC 50V 470P	1	NV-G10EG/EO
					NV-G7EG/EO
			CONNECTORS		
P4001		VJP1254	3P	1	
P4002		VJP1254	3P	1	
			(SYSTEM CONTROL SECTION)		
			INTEGRATED CIRCUITS		
IC6001		MN15342VQH		1	NV-G10EG/EO/B
IC6001		MN15342VDC		1	NV-G7EG/EO/B
IC6002		AN6914		1	OR uPC393C
IC6003		BA6248		1	OR M54649L
IC6004		MN1280R		1	
			TRANSISTORS		
Q6002		2SD636		1	(Q,R,S) OR 2SC2021M
Q6003		2SB643		1	(Q,R,S)
					NV-G10B,NV-G7B
Q6004		2SD638		1	(S) OR 2SD1458
Q6005		2SB790		1	(Q,R,S)
Q6006		2SB790		1	(Q,R,S)
Q6007		2SD636		1	(Q,R,S) OR 2SC2021M
			COMBINATION PARTS		
			(TRANSISTOR & RESISTOR)		
QR6001		DTC114EA		1	OR UN1211
QR6002		DTC124EA		1	OR UN1212
QR6003		DTA124EA		1	OR UN1112
QR6005		DTC114EA		1	OR UN1211
			DIODES		
D6001		MA165		1	OR 1SS133,1SS119
D6005		MA165		1	OR 1SS133,1SS119
D6007		ERA15-01		1	
D6008		MA165		1	OR 1SS133,1SS119
D6009		MA165		1	OR 1SS133,1SS119
D6011		MA165		1	OR 1SS133,1SS119
D6012		MA4091M		1	NV-G10B,NV-G7B
D6013		MA165		1	NV-G10B,NV-G7B
			RESISTORS		
R6001		ERDS2TJ683	68K	1	
R6002		ERDS2TJ103	10K	1	
R6003		ERDS2TJ184	180K	1	
R6004		ERDS2TJ223	22K	1	
R6005		ERDS2TJ223	22K	1	
R6006		ERDS2TJ223	22K	1	
R6007		ERDS2TJ824	820K	1	
R6008		ERDS2TJ105	1M	1	
R6009		ERDS2TJ122	1.2K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R6010		ERDS2TJ181	180	1	
R6011		ERDS2TJ152	1.5K	1	
R6012		ERDS2TJ221	220	1	
R6013		ERDS2TJ223	22K	1	
R6014		ERDS2TJ563	56K	1	
R6015		ERDS2TJ221	220	1	
R6017		ERDS2TJ153	15K	1	
R6018		ERDS2TJ153	15K	1	
R6019		ERDS2TJ562	5.6K	1	
R6020		ERDS2TJ562	5.6K	1	
R6021		ERDS2TJ562	5.6K	1	
R6022		ERDS2TJ103	10K	1	
R6023		ERDS2TJ332	3.3K	1	
R6024		ERDS2TJ391	390	1	
R6025		ERDS2TJ103	10K	1	
R6027		ERDS2TJ101	100	1	
R6028		ERDS2TJ332	3.3K	1	NV-G10B,NV-G7B
R6030		ERDS2TJ681	680	1	
R6031		ERDS2TJ332	3.3K	1	
R6032		ERDS2TJ681	680	1	
R6034		ERD2FCG180	FUSE 18	1	<!>
R6038		ERDS2TJ562	5.6K	1	
R6039		ERDS2TJ332	3.3K	1	
R6041		ERDS2TJ152	1.5K	1	
R6043		ERDS2TJ103	10K	1	
R6044		ERDS2TJ472	4.7K	1	
R6045		ERDS2TJ472	4.7K	1	
R6046		ERDS2TJ562	5.6K	1	
R6049		ERDS2TJ103	10K	1	
R6050		ERDS2TJ562	5.6K	1	NV-G10B,NV-G7B
R6053		ERDS1TJ470	47	1	
R6054		ERDS2TJ101	100	1	
R6055		ERDS2TJ101	100	1	
R6056		ERDS2TJ101	100	1	
R6057		ERDS2TJ101	100	1	
R6058		ERDS2TJ561	560	1	
R6059		ERDS2TJ222	2.2K	1	
R6060		ERDS2TJ222	2.2K	1	
R6061		ERDS2TJ222	2.2K	1	
			CAPACITORS		
C6002		ECEA0JK101	ELECTROLYTIC 6.3V 100	1	
C6003		ECKF1H681KB	CERAMIC 50V 680P	1	
C6004		ECEA0JK470	ELECTROLYTIC 6.3V 47	1	
C6005		ECEA0JK470	ELECTROLYTIC 6.3V 47	1	
C6006		VCYD1C104MR1	SEMICONDUCTOR 16V 0.1	1	
C6007		ECCF1H330JC	CERAMIC 50V 33P	1	
C6008		ECCF1H330JC	CERAMIC 50V 33P	1	
C6009		ECEA1HKN010	ELECTROLYTIC 50V 1	1	
C6010		ECEA1HKN010	ELECTROLYTIC 50V 1	1	
C6011		ECEA1HK2R2	ELECTROLYTIC 50V 2.2	1	
C6013		ECKF1H221KB	CERAMIC 50V 220	1	
C6014		ECEA1HKN2R2	ELECTROLYTIC 50V 2.2	1	
C6015		ECEA50Z2R2	ELECTROLYTIC 50V 2.2	1	
C6016		ECEA50Z3R3	ELECTROLYTIC 50V 3.3	1	
			CRYSTAL OSCILLATORS		
X6001		VSX0082		1	
			CONNECTORS		
P6001		VJS1465	7P	1	
P6002		VJS1444	24P	1	
P6003		VJP1255	4P	1	NV-G10EG/EO/B

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			(LUMINANCE & CHROMINANCE		
			SECTION)		
			TRANSISTORS		
Q3001		2SB641		1	(Q,R,S) OR 2SA937M
Q8001		2SD636		1	(Q,R,S) OR 2SC2021M
			COMBINATION PARTS		
			(TRANSISTOR & RESISTOR)		
QR8001		DTC124EA		1	OR UN1212
			DIODE		
D3004		MA165		1	OR 1SS133,1SS119
			RESISTORS		
R3004		ERDS2TJ750	75	1	
R3005		ERDS2TJ750	75	1	
R3006		ERDS2TJ561	560	1	
R3007		ERDS2TJ750	75	1	NV-G10B,NV-G7B
R3023		ERDS2TJ392	3.9K	1	
R3024		ERDS2TJ334	330K	1	
R3031		ERDS2TJ750	75	1	NV-G10EG/EO
					NV-G7EG/EO
R8001		ERDS2TJ102	1K	1	
R8002		ERDS2TJ221	220	1	
R8003		ERDS2TJ822	8.2K	1	
R8004		ERDS2TJ821	820	1	
			VARIABLE RESISTORS		
VR3001		EVN61AA00B23	2K	1	
VR3051		EVN61AA00B22	200	1	
			CAPACITORS		
C3002		ECEA0JU471	ELECTROLYTIC 6.3V 470	1	
C3003		ECEA1CU470	ELECTROLYTIC 16V 47	1	
C3005		VCYD1C104MR1	SEMICONDUCTOR 16V 0.1	1	
C3017		ECCF1H100DC	CERAMIC 50V 10P	1	
C3019		ECEA1CK100	ELECTROLYTIC 16V 10	1	
C8001		ECEA0JK470	ELECTROLYTIC 6.3V 47	1	
C8002		ECKF1H103ZF	CERAMIC 50V 0.01	1	
C8003		ECKF1H103ZF	CERAMIC 50V 0.01	1	
			COILS		
L3003		VLQEL05F101K	100uH	1	
L3007		VLQEL05F1R0K	1uH	1	
			CONNECTOR		
P3001		VJS1235T	8P	1	
			(TUNER SECTION)		
			INTEGRATED CIRCUIT		
IC7551		AN5033		1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			TRANSISTORS		
Q7551		2SB644		1	(R,S,T)
Q7552		2SB644		1	(R,S,T)
			COMBINATION PARTS		
			(TRANSISTORS & RESISTOR)		
QR7551		DTC114EA		1	OR UN1211
					NV-G10EG/EO
					NV-G7EG/EO
			DIODES		
D7551		MA165		1	OR 1SS133,1SS119
D7554		LN28WPVT	LED	1	
D7555		MA27WB		1	
D7556		MA165		1	OR 1SS133,1SS119
D7557		MA165		1	OR 1SS133,1SS119
			RESISTORS		
R7551		ERDS2TJ104	100K	1	
R7552		ERDS2TJ332	3.3K	1	
R7553		ERDS2TJ332	3.3K	1	
R7554		ERDS2TJ102	1K	1	
R7555		ERDS2TJ102	1K	1	
R7556		ERDS2TJ473	47K	1	
R7557		ERDS2TJ124	120K	1	
R7558		ERDS2TJ104	100K	1	
R7559		ERDS2TJ473	47K	1	
R7560		ERDS2TJ473	47K	1	
R7561		ERDS2TJ223	22K	1	
R7562		ERDS2TJ332	3.3K	1	
R7563		ERDS2TJ332	3.3K	1	
R7564		ERDS2TJ332	3.3K	1	
R7565		ERDS2TJ222	2.2K	1	
R7566		ERDS2TJ334	330K	1	NV-G10EG/EO
					NV-G7EG/EO
R7567		ERDS2TJ104	100K	1	NV-G10EG/EO
					NV-G7EG/EO
R7568		ERDS2TJ103	10K	1	
R7571		ERDS2TJ102	1K	1	
R7572		ERDS2TJ473	47K	1	
R7573		ERDS2TJ820	82	1	
R7574		ERDS2TJ333	33K	1	
R7575		ERDS2TJ273	27K	1	
R7576		ERDS2TJ390	39	1	
			VARIABLE RESISTOR		
VR7502		EVN61AA00B14	10K	1	
			CAPACITORS		
C7518		EECF5R5U473	5.5V 0.047	1	
C7551		ECQV1H104JZ	MYLAR 50V 0.1	1	
C7552		ECEA1CK100	ELECTROLYTIC 16V 10	1	
C7553		ECEA1HK010	ELECTROLYTIC 50V 1	1	
C7554		ECEA1HK220	ELECTROLYTIC 50V 22	1	
C7555		ECQB1H273JH	MYLAR 50V 0.027	1	
C7556		ECQV1H823JZ	MYLAR 50V 0.082	1	
C7557		ECQV1H683JZ	MYLAR 50V 0.068	1	
C7558		ECKF1H103ZF	CERAMIC 50V 0.01	1	
C7559		ECQV1H104JZ	MYLAR 50V 0.1	1	
C7560		ECKF1H103ZF	CERAMIC 50V 0.01	1	
C7561		ECKF1H103ZF	CERAMIC 50V 0.01	1	
C7562		ECEA2AU100	ELECTROLYTIC 100V 10	1	
C7563		ECEA1HKN010	ELECTROLYTIC 50V 1	1	
C7564		ECKF1H102KB	CERAMIC 50V 1000P	1	
C7565		ECKF1H102KB	CERAMIC 50V 1000P	1	
C7566		ECEA1HK010	ELECTROLYTIC 50V 1	1	
C7567		ECKF1H103ZF	CERAMIC 50V 0.01	1	
C7568		ECEA1CK100	ELECTROLYTIC 16V 10	1	NV-G10B,NV-G7B

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			COILS		
L7551		VLQEL05F102K	1mH	1	
L7552		VLQEL05F101K	100uH	1	NV-G10B,NV-G7B
			(TV DEMODULATOR SECTION)		
			RESISTORS		
R701		ERDS2TJ123	12K	1	
R702		ERDS2TJ392	3.9K	1	
R703		ERDS2TJ562	5.6K	1	
R704		ERDS2TJ562	5.6K	1	NV-G10EG/EO
					NV-G7EG/EO
R707		ERDS2TJ103	10K	1	NV-G10EG/EO
					NV-G7EG/EO
R707		ERDS2TJ102	1K	1	NV-G10B,NV-G7B
R708		ERDS2TJ221	220	1	NV-G10EG/EO
					NV-G7EG/EO
			CAPACITORS		
C701		ECEA1CK220	ELECTROLYTIC 16V 22	1	
C702		ECEA1EK4R7	ELECTROLYTIC 25V 4.7	1	
C705		ECEA1CKS220	ELECTROLYTIC 16V 22	1	NV-G10EG/EO
					NV-G7EG/EO
C706		ECQV1H823JZ	MYLAR 50V 0.082	1	NV-G10EG/EO/B
C707		ECEA1HKS010	ELECTROLYTIC 50V 1	1	
C708		ECEA1CKS220	ELECTROLYTIC 16V 22	1	NV-G10EG/EO
					NV-G7EG/EO
C709		ECKF1H103ZF	CERAMIC 50V 0.01	1	NV-G10EG/EO
					NV-G7EG/EO
			COILS		
L701		VLQEL05F680K	68uH	1	OR ELESK680KA
					NV-G10EG/EO
					NV-G7EG/EO
L762		VLQEL05F221K	220uH	1	NV-G10EG/EO
					NV-G7EG/EO
L791		VLQEL05F221K	220uH	1	NV-G10EG/EO
					NV-G7EG/EO
			MISCELLANEOUS		
		VSC1695	HEAT SINK	1	FOR IC1001
					NV-G10EG/EO
					NV-G7EG/EO
		VSC1592	HEAT SINK	1	FOR IC1001
					NV-G10B,NV-G7B
		VSC1446	HEAT SINK	1	FOR Q1001
		VMC0075	HEAT SINK SPRING	1	FOR IC2001
		VMC0105	SUPORT ANGLE	1	FOR IC2001
		VSC1689	HEAT SINK	1	FOR IC2001
		VJFO317	SERVO C.B.A. SUPORT	1	
		VJFO331	CLAMPER	1	
		VJFO045	CLAMPER	1	
		VMP0848	EARTH ANGLE	1	
		VJFO330	BINDER	2	
		VJFO215	BINDER	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
	■	VEP02225B	SERVO PACK C.B.A.		NV-G10EG/EO/B
			INTERGRATED CIRCUITS		
IC201		AN3795N		1	
IC203		AN6387		1	
IC205		BA8420		1	
IC206		AN3792		1	
IC207		MN6178VAH		1	
			TRANSISTORS		
Q201		2SB641		1	OR 2SA937M
Q203		2SD636		1	OR 2SC2021M
Q204		2SD636		1	OR 2SC2021M
Q205		2SD636		1	OR 2SC2021M
			COMBINATION PARTS		
			(TRANSISTORS & RESISTOR)		
QR202		DTA144EA		1	OR UN1113
QR205		DTA124EA		1	OR UN1112
QR208		DTA144EA		1	OR UN1113
			DIODES		
D204		MA165		1	OR 1SS133,1SS119
D205		MA165		1	OR 1SS133,1SS119
D208		MA165		1	OR 1SS133,1SS119
D209		MA165		1	OR 1SS133,1SS119
D210		MA165		1	OR 1SS133,1SS119
D211		MA165		1	OR 1SS133,1SS119
D212		MA165		1	OR 1SS133,1SS119
D213		MA165		1	OR 1SS133,1SS119
D214		MA165		1	OR 1SS133,1SS119
			RESISTORS		
R202		ERDS2TJ393	39K	1	
R203		ERDS2TJ102	1K	1	
R209		ERDS2TJ563	56K	1	
R210		ERDS2TJ272	2.7K	1	
R211		ERDS2TJ272	2.7K	1	
R217		EROS2CKG5101	METAL 5.1K	1	
R218		EROS2CKG8201	METAL 8.2K	1	
R219		ERDS2TJ154	150K	1	
R220		ERDS2TJ154	150K	1	
R221		ERDS2TJ333	33K	1	
R222		ERDS2TJ124	120K	1	
R223		ERDS2TJ332	3.3K	1	
R224		ERDS2TJ104	100K	1	
R225		ERDS2TJ124	120K	1	
R226		EROS2CKG2701	METAL 2.7K	1	
R227		ERX12SJR68	METAL OXIDE 1/2W 0.68	1	
R228		EROS2CKG2200	METAL 220	1	
R229		ERDS2TJ150	15	1	
R230		ERDS2TJ150	15	1	
R231		ERDS2TJ150	15	1	
R232		ERDS2TJ102	1K	1	
R233		ERDS2TJ105	1M	1	
R234		ERDS2TJ223	22K	1	
R235		ERDS2TJ224	220K	1	
R237		ERDS2TJ105	1M	1	
R239		ERDS2TJ102	1K	1	
R240		EROS2CKG3602	METAL 36K	1	
R241		ERDS2TJ124	120K	1	
R244		ERDS2TJ124	120K	1	
R245		ERDS2TJ184	180K	1	
R246		ERDS2TJ104	100K	1	
R248		ERDS2TJ473	47K	1	
R249		ERDS2TJ473	47K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R250		ERDS2TJ473	47K	1	
R251		ERDS2TJ473	47K	1	
R252		ERDS2TJ153	15K	1	
R253		ERDS2TJ223	22K	1	
R254		ERDS2TJ331	330	1	
R255		ERDS2TJ154	150K	1	
R256		ERDS2TJ154	150K	1	
R257		ERDS2TJ274	270K	1	
R258		ERDS2TJ563	56K	1	
R259		ERDS2TJ682	6.8K	1	
R260		ERDS2TJ333	33K	1	
R261		ERDS2TJ562	5.6K	1	
R264		ERDS2TJ103	10K	1	
R265		ERDS2TJ101	100	1	
			VARIABLE RESISTOR		
VR2003		EVL51MA00B25	200K	1	
			CAPACITORS		
C201		ECCF1H271JC	CERAMIC 50V 270P	1	
C202		VCYD1E102MR	SEMICONDUCTOR 25V 1000P	1	
C203		VCYD1E562MR	SEMICONDUCTOR 25V 5600P	1	
C204		ECEA1HK0R1	ELECTROLYTIC 50V 0.1	1	
C205		ECEA0JK330	ELECTROLYTIC 6.3V 33	1	
C207		ECEA0JK470	ELECTROLYTIC 6.3V 47	1	
C208		ECQV1H334JZ	MYLAR 50V 0.33	1	
C209		ECQV1H683JZ	MYLAR 50V 0.068	1	
C210		ECEA1CK100	ELECTROLYTIC 16V 10	1	
C211		ECEA1CK100	ELECTROLYTIC 16V 10	1	
C212		ECEA0JK470	ELECTROLYTIC 6.3V 47	1	
C213		ECEA10Z47	ELECTROLYTIC 10V 47	1	
C214		ECQB1H182KH	MYLAR 50V 1800P	1	
C215		ECQB1H562JH	MYLAR 50V 5600P	1	
C216		ECQB1H332JH	MYLAR 50V 3300P	1	
C217		ECQV1H124JZ	MYLAR 50V 0.12	1	
C218		ECQV1H274JZ	MYLAR 50V 0.27	1	
C219		ECQV1H394JZ	MYLAR 50V 0.39	1	
C220		ECQV1H184JZ	MYLAR 50V 0.18	1	
C221		ECKF1H122KB	CERAMIC 50V 1200P	1	
C222		ECQB1H332KH	MYLAR 50V 3300P	1	
C223		ECQB1H272JH	MYLAR 50V 2700P	1	
C225		ECEA1VKN2R2	ELECTROLYTIC 35V 2.2	1	
C226		ECEA1VKN2R2	ELECTROLYTIC 35V 2.2	1	
C227		ECEA50ZR22	ELECTROLYTIC 50V 0.22	1	
C228		VCYD1E123MR	SEMICONDUCTOR 25V 0.012	1	
C229		ECEA1EK3R3	ELECTROLYTIC 25V 3.3	1	
C230		ECEA1EK470	ELECTROLYTIC 25V 47	1	
C231		ECEA1CK470	ELECTROLYTIC 16V 47	1	
C232		ECQB1H472KH	MYLAR 50V 4700P	1	
C233		ECQB1H682JH	MYLAR 50V 6800P	1	
C234		ECKF1H222KB	CERAMIC 50V 2200P	1	
C235		ECEA1VKN2R2	ELECTROLYTIC 35V 2.2	1	
C237		ECEA0JK470	ELECTROLYTIC 6.3V 47	1	
C238		ECQB1H223JH	MYLAR 50V 0.022	1	
C239		ECQB1H562JH	MYLAR 50V 5600P	1	
C240		ECEA1HK0R1	ELECTROLYTIC 50V 0.1	1	
C241		ECEA0JK470	ELECTROLYTIC 6.3V 47	1	
C242		ECEA0JK470	ELECTROLYTIC 6.3V 47	1	
C243		ECEA0JK101	ELECTROLYTIC 6.3V 100	1	
C244		ECEA1EKN2R2	ELECTROLYTIC 25V 2.2	1	
C247		VCYD1E103JR	SEMICONDUCTOR 25V 0.01	1	
C248		ECEA1HK010	ELECTROLYTIC 50V 1	1	
C249		ECEA1HK010	ELECTROLYTIC 50V 1	1	
C250		ECKF1H222KB	CERAMIC 50V 2200P	1	
C251		ECQV1H104JZ	MYLAR 50V 0.1	1	
			COMBINATION PARTS		
			(CAPACITOR & RESISTOR)		
CR201		EXED223M222C	0.022 2.2K	1	
CR202		EXED472M104C	4700P 100K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			CONNECTOR		
P201		VJP1237T	10P	1	
			PACK PINS		
PR201		VJR0189		1	
PR202		VJR0189		1	
PR203		VJR0189		1	
PR204		VJR0190		1	
PR205		VJR0190		1	
	■	VEP02234A	SERVO PACK C.B.A.		NV-G7EG/EO/B
			INTEGRATED CIRCUITS		
IC201		AN3795N			
IC203		AN6387		1	
IC205		BAL6309		1	
IC206		AN3792		1	
IC207		MN6178VAH			
			TRANSISTORS		
Q201		2SB641		1	OR 2SA937M
Q203		2SD636		1	OR 2SC2021M
Q204		2SD636		1	OR 2SC2021M
			COMBINATION PARTS		
			(TRANSISTORS & RESISTOR)		
QR208		DTA144EA		1	OR UN1113
QR271		UN1111		1	
			DIODES		
D204		MA165		1	OR 1SS133,1SS119
D205		MA165		1	OR 1SS133,1SS119
D208		MA165		1	OR 1SS133,1SS119
D210		MA165		1	OR 1SS133,1SS119
D211		MA165		1	OR 1SS133,1SS119
D271		MA165		1	OR 1SS133,1SS119
D272		MA165		1	OR 1SS133,1SS119
			RESISTORS		
R202		ERDS2TJ393	39K	1	
R203		ERDS2TJ102	1K	1	
R209		ERDS2TJ563	56K	1	
R210		ERDS2TJ272	2.7K	1	
R211		ERDS2TJ272	2.7K	1	
R217		EROS2CKG5101	METAL 5.1K	1	
R218		EROS2CKG8201	METAL 8.2K	1	
R219		ERDS2TJ154	150K	1	
R220		ERDS2TJ154	150K	1	
R221		ERDS2TJ333	33K	1	
R222		ERDS2TJ124	120K	1	
R223		ERDS2TJ332	3.3K	1	
R224		ERDS2TJ104	100K	1	
R225		ERDS2TJ124	120K	1	
R226		EROS2CKG2701	2.7K	1	
R227		ERX12SJR68	0.68	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R228		EROS2CKG2200	220	1	
R229		ERDS2TJ150	15	1	
R230		ERDS2TJ150	15	1	
R231		ERDS2TJ150	15	1	
R248		ERDS2TJ473	47K	1	
R249		ERDS2TJ473	47K	1	
R250		ERDS2TJ473	47K	1	
R252		ERDS2TJ153	15K	1	
R253		ERDS2TJ223	22K	1	
R254		ERDS2TJ331	330	1	
R255		ERDS2TJ154	150K	1	
R256		ERDS2TJ154	150K	1	
R257		ERDS2TJ274	270K	1	
R258		ERDS2TJ563	56K	1	
R259		ERDS2TJ682	6.8K	1	
R260		ERDS2TJ333	33K	1	
R261		ERDS2TJ562	5.6K	1	
R265		ERDS2TJ101	100	1	
R271		ERDS2TJ223	22K	1	
R272		ERDS2TJ104	100K	1	
R273		ERDS2TJ102	1K	1	
			VARIABLE RESISTOR		
VR2003		EVL51MA00B25	200K	1	
			CAPACITORS		
C202		VCYD1E102MR	SEMICONDUCTOR 25V 1000P	1	
C203		VCYD1E562MR	SEMICONDUCTOR 25V 5600P	1	
C204		ECEA1HK0R1	ELECTROLYTIC 50V 0.1	1	
C205		ECEA0JK330	ELECTROLYTIC 6.3V 33	1	
C207		ECEA0JK470	ELECTROLYTIC 6.3V 47	1	
C208		ECQV1H334JZ	MYLAR 50V 0.33	1	
C209		ECQV1H683JZ	MYLAR 50V 0.068	1	
C210		ECEA1CK100	ELECTROLYTIC 16V 10	1	
C211		ECEA1CK100	ELECTROLYTIC 16V 10	1	
C212		ECEA0JK470	ELECTROLYTIC 6.3V 47	1	
C213		ECEA1047	ELECTROLYTIC 10V 47	1	
C214		ECQB1H182KH	MYLAR 50V 1800P	1	
C225		ECEA1VKN2R2	ELECTROLYTIC 35V 2.2	1	
C226		ECEA1VKN2R2	ELECTROLYTIC 35V 2.2	1	
C227		ECEA50ZR22	ELECTROLYTIC 50V 0.22	1	
C228		VCYD1E123MR	SEMICONDUCTOR 25V 0.012	1	
C229		ECEA1EK3R3	ELECTROLYTIC 25V 3.3	1	
C230		ECEA1EK470	ELECTROLYTIC 25V 47	1	
C231		ECEA1CK470	ELECTROLYTIC 16V 47	1	
C232		ECQB1H472KH	MYLAR 50V 4700P	1	
C233		ECQB1H682JH	MYLAR 50V 6800P	1	
C234		ECKF1H222KB	CERAMIC 50V 2200P	1	
C235		ECEA1VKN2R2	ELECTROLYTIC 35V 2.2	1	
C237		ECEA0JK470	ELECTROLYTIC 6.3V 47	1	
C238		ECQB1H223JH	MYLAR 50V 0.022	1	
C239		ECQB1H562JH	MYLAR 50V 5600P	1	
C240		ECEA1HK0R1	ELECTROLYTIC 50V 0.1	1	
C241		ECEA0JK470	ELECTROLYTIC 6.3V 47	1	
C242		ECEA0JK470	ELECTROLYTIC 6.3V 47	1	
C243		ECEA0JK101	ELECTROLYTIC 6.3V 100	1	
C244		ECEA1EKN2R2	ELECTROLYTIC 25V 2.2	1	
C247		VCYD1E103JR	SEMICONDUCTOR 25V 0.01	1	
C248		ECEA1HK010	ELECTROLYTIC 50V 1	1	
C249		ECEA1HK010	ELECTROLYTIC 50V 1	1	
C250		ECKF1H222KB	CERAMIC 50V 2200P	1	
C251		ECQV1H104JZ	MYLAR 50V 0.1	1	
C271		ECQB1H562JH	MYLAR 50V 5600P	1	
C272		ECQB1H332JH	MYLAR 50V 3300P	1	
C273		ECQB1H332JH	MYLAR 50V 3300P	1	
			COMBINATION PARTS		
			(CAPACITOR & RESISTOR)		
CR201		EXED223M222C	0.022 2.2K	1	
CR202		EXED472M104C	4700P 100K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			CONNECTOR		
P201		VJP1237T	10P	1	
			PACK PINS		
PR201		VJR0189		1	
PR202		VJR0189		1	
PR203		VJR0189		1	
PR204		VJR0190		1	
PR205		VJR0190		1	
	■	VEP03316A	LUMINANCE & CHOMINANCE		
	■	VEP03316B	PACK C.B.A.		
			INTEGRATED CIRCUITS		
IC301		VEFY014		1	F.I.C
IC302		BA7004		1	
IC801		VEFC013		1	F.I.C
			TRANSISTORS		
Q301		2SC2206		1	
Q302		2SC2206		1	
Q303		2SB641		1	OR 2SA937M
Q801		2SC2206		1	
Q802		2SD636		1	OR 2SC2021M
Q803		2SD636		1	OR 2SC2021M
Q804		2SC2206		1	
Q805		2SD636		1	OR 2SC2021M
Q806		2SC2206		1	
			COMBINATION PARTS		
			(TRANSISTORS & RESISTOR)		
QR301		DTC144EA		1	OR UN1213
			DIODES		
D301		MA165		1	OR 1SS133,1SS119
D302		MA165		1	OR 1SS133,1SS119
D303		MA165		1	OR 1SS133,1SS119
D304		MA165		1	OR 1SS133,1SS119
D305		MA165		1	OR 1SS133,1SS119
D306		MA165		1	OR 1SS133,1SS119
D307		MA165		1	OR 1SS133,1SS119
D801		MA165		1	OR 1SS133,1SS119
D802		MA165		1	OR 1SS133,1SS119
			RESISTORS		
R301		ERDS2TJ561	560	1	
R302		ERDS2TJ561	560	1	
R303		ERDS2TJ221	220	1	
R304		ERDS2TJ681	680	1	
R305		ERDS2TJ102	1K	1	
R306		ERDS2TJ151	150	1	
R307		ERDS2TJ152	1.5K	1	
R308		ERDS2TJ562	5.6K	1	
R309		ERDS2TJ684	680K	1	
R312		ERDS2TJ103	10K	1	

Ref.No.		Part No.	Part Name & Description			Pcs	Remarks
R313		ERDS2TJ393			39K	1	
R314		ERDS2TJ152			1.5K	1	
R315		ERDS2TJ272			2.7K	1	
R317		ERDS2TJ152			1.5K	1	
R318		ERDS2TJ152			1.5K	1	
R319		ERDS2TJ561			560	1	
R320		ERDS2TJ392			3.9K	1	
R321		ERDS2TJ683			68K	1	
R322		ERDS2TJ394			390K	1	
R323		ERDS2TJ394			390K	1	
R324		ERDS2TJ824			820K	1	
R325		ERDS2TJ102			1K	1	
R326		ERDS2TJ183			18K	1	
R327		ERDS2TJ123			12K	1	
R350		ERDS2TJ102			1K	1	
R351		ERDS2TJ823			82K	1	
R352		ERDS2TJ331			330	1	
R353		ERDS2TJ474			470K	1	
R801		ERDS2TJ102			1K	1	
R802		ERDS2TJ101			100	1	
R805		ERDS2TJ122			1.2K	1	
R806		ERDS2TJ271			270	1	
R807		ERDS2TJ272			2.7K	1	
R811		ERDS2TJ102			1K	1	
R812		ERDS2TJ471			470	1	
R813		ERDS2TJ104			100K	1	
R814		ERDS2TJ562			5.6K	1	
R815		ERDS2TJ562			5.6K	1	
R816		ERDS2TJ821			820	1	
R817		ERDS2TJ472			4.7K	1	
R818		ERDS2TJ273			27K	1	
R819		ERDS2TJ470			47	1	
R820		ERDS2TJ682			6.8K	1	
R821		ERDS2TJ822			8.2K	1	
R822		ERDS2TJ182			1.8K	1	
R823		ERDS2TJ152			1.5K	1	
R824		ERDS2TJ272			2.7K	1	
R825		ERDS2TJ562			5.6K	1	
R827		ERDS2TJ473			47K	1	
R828		ERDS2TJ472			4.7K	1	
R829		ERDS2TJ563			56K	1	
R830		ERDS2TJ563			56K	1	
R831		ERDS2TJ102			1K	1	
R832		ERDS2TJ271			270	1	
R833		ERDS2TJ471			470	1	
R834		ERDS2TJ121			120	1	
			VARIABLE RESISTOR				
VR801		EVNMHOGA00B52			500	1	
			CAPACITORS				
C302		ECEA0JU331	ELECTROLYTIC	6.3V	330	1	
C303		ECEA1AK470	ELECTROLYTIC	10V	47	1	
C304		ECKF1H1032F	CERAMIC	50V	0.01	1	
C305		VCKD1H151JA	SEMICONDUCTOR	50V	150P	1	
C306		ECEA1CK100	ELECTROLYTIC	16V	10	1	
C307		ECEA1CK100	ELECTROLYTIC	16V	10	1	
C308		ECQV1H104JZ	MYLAR	50V	0.01	1	
C309		ECCF1H560JC	CERAMIC	50V	56P	1	
C310		ECKF1H221KB	CERAMIC	50V	220P	1	
C311		ECEA1CK100	ELECTROLYTIC	16V	10	1	
C312		ECEA1EK3R3	ELECTROLYTIC	25V	3.3	1	
C313		ECEA1HK2R2	ELECTROLYTIC	50V	2.2	1	
C314		ECEA1EK4R7	ELECTROLYTIC	25V	4.7	1	
C315		ECEA1EKN2R2	ELECTROLYTIC	25V	2.2	1	
C316		ECEA1CK100	ELECTROLYTIC	16V	10	1	
C317		ECEA1CK100	ELECTROLYTIC	16V	10	1	
C318		ECEA1CK100	ELECTROLYTIC	16V	10	1	
C319		ECEA1CK100	ELECTROLYTIC	16V	10	1	
C320		VCYD1E332KR	SEMICONDUCTOR	25V	3300P	1	
C321		VCYD1E332KR	SEMICONDUCTOR	25V	3300P	1	
C322		VCYD1C104MR1	SEMICONDUCTOR	16V	0.1	1	
C323		ECKF1H561KB	CERAMIC	50V	560P	1	

Ref.No.		Part No.	Part Name & Description			Pcs	Remarks
C324		ECCF1H220JC	CERAMIC	50V	22P	1	
C325		ECEA1CK100	ELECTROLYTIC	16V	10	1	
C326		ECEA1HK010	ELECTROLYTIC	50V	1	1	
C327		ECEA1HKN0R1	ELECTROLYTIC	50V	0.1	1	
C330		ECCF1H220JC	CERAMIC	50V	22P	1	
C331		ECEA1AK470	ELECTROLYTIC	10V	22	1	
C332		ECEA0JK470	ELECTROLYTIC	6.3V	47	1	
C802		ECQB1H223JH	MYLAR	50V	0.022	1	
C803		ECKF1H103ZF	CERAMIC	50V	0.01	1	
C804		ECCF1H270JC	CERAMIC	50V	27P	1	
C805		ECKF1H471KB	CERAMIC	50V	470P	1	
C806		ECEA1CK100	ELECTROLYTIC	16V	10	1	
C807		ECEA1HK2R2	ELECTROLYTIC	50V	2.2	1	
C808		ECEA10Z100	ELECTROLYTIC	10V	10	1	
C809		ECEA1AK470	ELECTROLYTIC	10V	47	1	
C810		ECCF1H050CC	CERAMIC	50V	5P	1	
C811		ECKF1H102KB	CERAMIC	50V	1000P	1	
C812		ECEA1AK470	ELECTROLYTIC	10V	47	1	
C813		ECQV1H154JZ	MYLAR	50V	0.15	1	
C814		ECKF1H103ZF	CERAMIC	50V	0.01	1	
C815		ECKF1H471KB	CERAMIC	50V	470P	1	
C816		ECEA1CK470	ELECTROLYTIC	16V	47	1	
C817		ECKF1H103ZF	CERAMIC	50V	0.01	1	
C818		ECQV1H154JZ	MYLAR	50V	0.15	1	
C820		VCYD1C104MR1	SEMICONDUCTOR	16V	0.1	1	
C821		VCYD1C104MR1	SEMICONDUCTOR	16V	0.1	1	
C822		ECQV1H473JZ	MYLAR	50V	0.047	1	
C823		ECQV1H473JZ	MYLAR	50V	0.047	1	
C824		ECEA1HK010	ELECTROLYTIC	50V	1	1	
C825		ECKF1H103ZF	CERAMIC	50V	0.01	1	
			COILS				
L301		VLQEL05F150K			15uH	1	
L302		VLQEL05F150K			15uH	1	
L303		VLQEL05F101K			100uH	1	
L304		VLQEL05F6R8K			6.8uH	1	
L306		VLQEL05F820K			82uH	1	
L307		VLQEL05F101K			100uH	1	
L308		VLQEL05F101K			100uH	1	
L309		VLQEL05F101K			100uH	1	
L310		VLQEL05F101K			100uH	1	
L801		VLQEL05F150K			15uH	1	
L802		VLQEL05F470K			47uH	1	
L803		VLQEL05F270K			27uH	1	
L804		VLQEL05F151K			150uH	1	
L805		VLQEL05F101K			100uH	1	
L806		VLQEL05F470K			47uH	1	
L807		VLQEL05F681K			680uH	1	
L808		VLQEL05F681K			680uH	1	
L809		VLQEL05F331K			330uH	1	
L810		VLQEL05F101K			100uH	1	
			COMBINATION PARTS				
			(CAPACITOR & RESISTOR)				
CR801		EXED820K332C			82P 3.3K	1	
			CRYSTAL OSCILLATORS				
X301		VSX0099				1	OR EFOA500K04D2
X801		VSX0129A				1	OR VSX0129B
			DELAY LINES				
DL301		EFDVN645A43D				1	
DL801		VLD0080				1	OR EFDHR124A13A
			FILTERS				
FL301		ELB4M022				1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
FL302		VLF0333		1	
FL303		ELB4H020		1	OR VLF0413
FL801		VLF0299		1	NV-G10EG,NV-G7EG
FL801		VLF0299		1	NV-G10EO/B,NV-G7EO/B
			COMBINATION PARTS		
Z801		VCR0118	(RESISTOR & RESISTOR)	1	OR VCR0135
Z802		VCR0119	(CAPACITOR & RESISTOR)	1	OR VCR0137
Z803		VCR0120	(CAPACITOR & RESISTOR)	1	OR VCR0136
			CONNECTORS		
P301		VJP1232T	5P	1	
P302		VJP1230T	10P	1	
			MISCELLANEOUS		
		VJR0128	PACK PIN 5P	3	
		VJR0164	PACK PIN 3P	1	
	■	VEP03294A	SECAM PACK C.B.A.		NV-G10EG,NV-G7EG
			INTEGRATED CIRCUIT		
IC851		BA7025L		1	
			TRANSISTOR		
Q851		2SC2206		1	(A,B,C)
			COMBINATION PARTS		
			(TRANSISTORS & RESISTOR)		
QR851		DTC124EA		1	OR UN1212
QR852		DTC124EA		1	OR UN1212
			RESISTORS		
R854		ERDS2TJ472	4.7K		
R855		ERDS2TJ223	22K		
R856		ERDS2TJ390	39		
R857		ERDS2TJ222	2.2K		
R858		ERDS2TJ154	150K		
R859		ERDS2TJ221	220		
R860		ERDS2TJ102	1K		
R861		ERDS2TJ103	10K		
			CAPACITORS		
C851		ECKF1H103ZF	CERAMIC 50V 0.01	1	
C852		ECKF1H103ZF	CERAMIC 50V 0.01	1	
C853		ECEA1CK330	ELECTROLYTIC 16V 33	1	
C854		ECKF1H681KB	CERAMIC 50V 680	1	
C855		ECEA1AK470	ELECTROLYTIC 10V 47	1	
C856		ECEA1CK330	ELECTROLYTIC 16V 33	1	
C857		ECQV1H563JZ	MYLAR 50V 0.056	1	
C858		ECKF1H103ZF	CERAMIC 50V 0.01	1	
			COIL		
L851		VLQEL05F101K	100uH	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			FILTER		
FL851		VLF0143		1	
			TRANSFORMER		
T851		ELM7Q207A		1	
	■	VEP04138	AUDIO PACK C.B.A.		
			INTEGRATED CIRCUITS		
IC401		uPC1514CA		1	
IC402		TA7361AP		1	OR uPC1519HA
			TRANSISTORS		
Q401		2SD602A		1	(R)
Q404		2SD1328		1	(Q,R,S)
			RESISTORS		
R401		ERJ6GMYJ153	CHIP 15K	1	
R402		ERJ6GMYJ392	CHIP 3.9K	1	
R403		ERJ6GMYJ182	CHIP 1.8K	1	
R404		ERJ6GMYJ560	CHIP 56	1	
R405		ERJ6GMYJ105	CHIP 1M	1	
R406		ERJ6GMYJ681	CHIP 680	1	
R407		ERJ6GMYJ911	CHIP 910	1	
R408		ERJ6GMYJ124	CHIP 120K	1	
R410		ERJ6GMYJ392	CHIP 3.9K	1	
R411		ERJ6GMYJ331	CHIP 330	1	
R413		ERJ6GMYJ332	CHIP 3.3K	1	
R415		ERJ6GMYJ563	CHIP 56K	1	
R418		ERJ6GMYJ102	CHIP 1K	1	
R419		ERJ6GMYJ392	CHIP 3.9K	1	
R420		ERJ6GMYJ561	CHIP 560	1	
R422		ERJ6GMYJ102	CHIP 1K	1	
R425		ERJ6GMYJ332	CHIP 3.3K	1	
R426		ERJ6GMYJ102	CHIP 1K	1	
			CAPACITORS		
C401		ECEA1HK010	ELECTROLYTIC 50V 1	1	
C402		ECUX1H102KBN	CERAMIC 50V 1000P	1	
C403		ECEA1CKL100	ELECTROLYTIC 16V 10	1	
C404		ECQP1222JZ	MYLAR 100V 2200P	1	
C405		ECEA1AK470	ELECTROLYTIC 10V 47	1	
C406		ECEA1CK470	ELECTROLYTIC 16V 47	1	
C407		ECUX1H101JCN	CERAMIC 50V 100P	1	
C408		ECEA1CKL100	ELECTROLYTIC 16V 10	1	
C409		ECEA0JK101	ELECTROLYTIC 6.3V 100	1	
C410		ECQB1H683JH	MYLAR 50V 0.068	1	
C411		ECEA1CK100	ELECTROLYTIC 16V 10	1	
C412		ECEA1AK330	ELECTROLYTIC 10V 33	1	
C414		ECEA1HK010	ELECTROLYTIC 50V 1	1	
C416		ECQB1H223JH	MYLAR 50V 0.022	1	
C417		ECQB1H333JH	MYLAR 50V 0.033	1	
C418		ECEA1CKL100	ELECTROLYTIC 16V 10	1	
C419		ECEA1AK330	ELECTROLYTIC 10V 33	1	
C420		ECEA1CK470	ELECTROLYTIC 16V 47	1	
C421		ECCD2H121K	CERAMIC 500V 120P	1	
C422		ECEA1CK100	ELECTROLYTIC 16V 10	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			COILS		
L401		VLQEL05F471K	470uH	1	
L402		VLQEL07F822J	8200uH	1	
			COMBINATION PARTS		
			(CAPACITOR & RESISTOR)		
CR401		EXED103Z153C	0.01 15K	1	
CR402		EXED102K473C	1000P 47K	1	
			TRANSFORMER		
T401		EIQ7QF001B		1	
			FILTER		
FL401		VLF0332		1	
			PACK PINS		
PK401		VJR0131W		1	
PK402		VJR0128W		1	
	■	VEP07312A	TV DEMODULATOR PACK C.B.A.		NV-G10EO,NV-G7EO
	■	VEP07312B			NV-G10EG,NV-G7EG
			INTEGRATED CIRCUITS		
IC701		BN5115B		1	VIF IC
IC751		AN5215		1	SIF IC
IC7651		AN5421		1	
			TRANSISTORS		
Q702		2SB641		1	(Q,R,S,T) OR 2SA564,
					2SA733(Q,R,S),2SB642
					(Q,R,S,T)
Q703		2SD636		1	(S,T) OR 2SD637(S,T)
Q761		2SD636		1	(Q,R,S,T) OR 2SD637
					(Q,R,S,T)
Q7651		2SD636		1	(R,S,T) OR 2SC1684
					(R,S,T),2SC828(R,S,T)
			COMBINATION PARTS		
			(TRANSISTORS & RESISTOR)		
QR7651		DTC114EA		1	OR UN1211
			DIODES		
D711		MA165		1	OR 1SS133
D712		MA165		1	OR 1SS133
D761		MA27WA		1	OR MA27WB
			RESISTORS		
R713		ERDS2TJ332	3.3K	1	
R716		ERDS2TJ392	3.9K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R721		ERDS2TJ121	120	1	
R722		ERDS2TJ274	270K	1	
R731		ERDS2TJ560	56	1	NV-G10EO,NV-G7EO
R731		ERDS2TJ221	220	1	NV-G10EG,NV-G7EG
R732		ERDS2TJ391	390	1	NV-G10EO,NV-G7EO
R732		ERDS2TJ471	470	1	NV-G10EG,NV-G7EG
R733		ERDS2TJ102	1K	1	
R734		ERDS2TJ393	39K	1	
R735		ERDS2TJ473	47K	1	
R736		ERDS2TJ272	2.7K	1	
R741		ERDS2TJ470	47	1	
R742		EROS2CKG1801	METAL 1.8K	1	
R743		EROS2CKG1501	METAL 1.5K	1	
R744		ERDS2TJ103	10K	1	
R745		ERDS2TJ680	68	1	
R746		ERDS2TJ151	150	1	
R747		ERDS2TJ102	1K	1	
R748		ERDS2TJ470	47	1	
R751		ERDS2TJ121	120	1	
R752		ERD2FCG220	FUSE 1/4W 22	1	<!>
R753		ERDS2TJ331	330	1	
R762		ERDS2TJ103	10K	1	
R7651		ERDS2TJ103	10K	1	
R7652		ERDS2TJ101	100	1	
R7653		ERDS2TJ471	470	1	
R7654		ERDS2TJ562	5.6K	1	
R7655		ERDS2TJ472	4.7K	1	
R7656		ERDS2TJ151	150	1	
R7657		ERDS2TJ104	100K	1	
R7658		ERDS2TJ393	39K	1	
R7659		ERDS2TJ822	8.2K	1	
R7661		ERDS2TJ562	5.6K	1	
R7662		ERDS2TJ393	39K	1	
R7663		ERDS2TJ222	2.2K	1	
R7664		ERDS2TJ332	3.3K	1	
			VARIABLE RESISTORS		
VR701		EVMK3GA00B23	2K	1	
VR702		EVMK3GA00B23	2K	1	
VR741		EVNE4AA00B24	20K	1	OR VRV0022
VR751		EVNE4AA00B14	10K	1	OR VRV0021
VR7660		EVMK3GA00B23	2K	1	
			CAPACITORS		
C711		ECKF1H103ZF	CERAMIC 50V 0.01	1	
C712		ECEA1CK100	ELECTROLYTIC 16V 10	1	
C713		ECKF1H103ZF	CERAMIC 50V 0.01	1	
C714		ECEA1HK010	ELECTROLYTIC 50V 1	1	
C721		ECCF1H070CC	CERAMIC 50V 7P	1	NV-G10EO,NV-G7EO
C721		ECCF1H060CC	CERAMIC 50V 6P	1	NV-G10EG,NV-G7EG
C722		ECCF1H030CC	CERAMIC 50V 3P	1	
C723		ECKF1H103ZF	CERAMIC 50V 0.01	1	
C724		ECKF1H103ZF	CERAMIC 50V 0.01	1	
C725		ECKF1H103ZF	CERAMIC 50V 0.01	1	
C726		ECKF1H103ZF	CERAMIC 50V 0.01	1	
C727		ECQV1H224JZ	MYLAR 50V 2.2	1	
C728		ECKF1H103ZF	CERAMIC 50V 0.01	1	
C730		ECCF1H060CC	CERAMIC 50V 6P	1	
C731		ECCF1H040CC	CERAMIC 50V 4P	1	NV-G10EO,NV-G7EO
C731		ECCF1H050CC	CERAMIC 50V 5P	1	NV-G10EG,NV-G7EG
C732		ECCF1H040CC	CERAMIC 50V 4P	1	NV-G10EO,NV-G7EO
C732		ECCF1H030CC	CERAMIC 50V 3P	1	NV-G10EG,NV-G7EG
C733		ECCF1H220JC	CERAMIC 50V 22P	1	
C734		ECCF1H121JP	CERAMIC 50V 120P	1	
C735		ECCF1H150JC	CERAMIC 50V 15P	1	
C736		ECKF1H103ZF	CERAMIC 50V 0.01	1	
C737		ECKF1H103ZF	CERAMIC 50V 0.01	1	
C738		ECCF1H150JC	CERAMIC 50V 15P	1	
C739		ECCF1H560JR	CERAMIC 50V 56P	1	
C740		ECCF1H220JR	CERAMIC 50V 22P	1	
C741		ECCF1H220JC	CERAMIC 50V 22P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C742		ECCF1H390JC	CERAMIC 50V 39P	1	
C751		ECCF1H820JC	CERAMIC 50V 82P	1	
C752		ECCF1H050CC	CERAMIC 50V 5P	1	
C753		ECCF1H820JP	CERAMIC 50V 82P	1	
C754		ECQV1H473JZ	MYLAR 50V 0.047	1	
C755		ECEA1CK470	ELECTROLYTIC 16V 47	1	
C756		ECCF1H390JR	CERAMIC 50V 39P	1	
C757		ECCF1H120JC	CERAMIC 50V 12P	1	
C758		ECEA1CK100	ELECTROLYTIC 16V 10	1	
C759		ECQV1H104JZ	MYLAR 50V 0.1	1	
C761		ECCF1H150JC	CERAMIC 50V 15P	1	NV-G10EO,NV-G7EO
C761		ECCF1H030CC	CERAMIC 50V 3P	1	NV-G10EG,NV-G7EG
C762		ECCF1H100DC	CERAMIC 50V 10P	1	NV-G10EO,NV-G7EO
C762		ECCF1H270JC	CERAMIC 50V 27P	1	NV-G10EG,NV-G7EG
C763		ECCF1H151JP	CERAMIC 50V 150P	1	NV-G10EO,NV-G7EO
C763		ECCF1H121JP	CERAMIC 50V 120P	1	NV-G10EG,NV-G7EG
C764		ECCF1H150JP	CERAMIC 50V 15P	1	NV-G10EG,NV-G7EG
C765		ECCF1H151JC	CERAMIC 50V 150P	1	NV-G10EG,NV-G7EG
C766		ECQV1H104JZ	MYLAR 50V 0.1	1	
C7651		ECEA1CK330	ELECTROLYTIC 50V 33	1	
C7652		ECEA1CKN330	ELECTROLYTIC 50V 33	1	
C7653		ECQB1H392JH	MYLAR 50V 3900P	1	
C7654		ECQB1H103JH	MYLAR 50V 0.01	1	
C7655		ECEA1HK3R3	ELECTROLYTIC 50V 3.3	1	
C7656		ECEA1HK010	ELECTROLYTIC 50V 1	1	
C7657		ECKF1H103ZF	CERAMIC 50V 0.01	1	
C7658		ECQP1562JZ	MYLAR 50V 5600P	1	
C7659		ECQB1H272JH	MYLAR 50V 2700P	1	
			COILS		
L702		VLQEL05F470K	47uH	1	
L704		VLQEL05F120K	12uH	1	
L705		VLQEL05F330K	33uH	1	
L706		VLQEL05F331K	330uH	1	
L751		VLQEL05F220K	22uH	1	
L761		VLQEL05F3R3K	3.3uH	1	NV-G10EG,NV-G7EG
			CRYSTAL OSCILLATORS		
X702		EFCS5R5MS4		1	OR VLF0178
X703		EFCS5R5MW3		1	OR VLF0182
			TRANSFORMERS		
T701		EULHLS310		1	NV-G10EG,NV-G7EG
T701		EULHLS315		1	NV-G10EO,NV-G7EO
T702		ELM7A4101Y		1	
T703		EIV7E016F		1	
T704		EIV7E016E		1	
T705		ELM7A4101Y		1	
T715		EIS7E006A		1	
T752		EIS7E006B		1	
			MISCELLANEOUS		
		VJR0162	PACK PIN 8P	2	
		VSC1148	SHIELD CASE	1	(BOTTOM)
		VSC1216	SHIELD CASE	1	(TOP)
		VSC1589	SHIELD CASE	1	(MAIN)
	■	VEP07302D	TV DEMODULATOR PACK C.B.A.		NV-G10B,NV-G7B
			INTEGRATED CIRCUITS		
IC701		BN5115B		1	VIF IC
IC751		AN5215		1	SIF IC

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			TRANSISTORS		
Q702		2SB641		1	(Q,R,S,T) OR 2SA564,
					2SA733(Q,R,S)
Q703		2SD636		1	(S,T) OR 2SD637(S,T)
Q761		2SD636		1	(Q,R,S,T) OR 2SD637
					(Q,R,S,T)
			DIODES		
D711		MA165		1	
D761		MA27WA		1	OR MA27WB
			RESISTORS		
R713		ERDS2TJ182	1.8K	1	
R721		ERDS2TJ151	150	1	
R722		ERDS2TJ274	270K	1	
R731		ERDS2TJ271	270	1	
R732		ERDS2TJ391	390	1	
R733		ERDS2TJ102	1K	1	
R734		ERDS2TJ393	39K	1	
R735		ERDS2TJ473	47K	1	
R736		ERDS2TJ272	2.7K	1	
R741		ERDS2TJ470	47K	1	
R742		EROS2CKG1001	METAL 1K	1	
R743		EROS2CKG8200	METAL 820	1	
R744		ERDS2TJ332	3.3K	1	
R745		ERDS2TJ680	68	1	
R746		ERDS2TJ151	1.5K	1	
R747		ERDS2TJ102	1K	1	
R748		ERDS2TJ470	47	1	
R751		ERDS2TJ121	120	1	
R752		ERD2FCG220	FUSE 1/4W 22	1	<!>
R753		ERDS2TJ331	330	1	
R762		ERDS2TJ103	10K	1	
			VARIABLE RESISTORS		
VR701		EVN61AA00B23	2K	1	
VR741		EVNE4AA00B24	20K	1	
VR751		EVNE4AA00B14	10K	1	
			CAPACITORS		
C711		ECKF1H103ZF	CERAMIC 50V 0.01	1	
C712		ECEA1CK100	ELECTROLYTIC 16V 10	1	
C713		ECKF1H103ZF	CERAMIC 50V 0.01	1	
C714		ECEA1HK010	ELECTROLYTIC 50V 1	1	
C721		ECCF1H030CC	CERAMIC 50V 3P	1	
C722		ECCF1H060CC	CERAMIC 50V 6P	1	
C723		ECKF1H103ZF	CERAMIC 50V 0.01	1	
C724		ECKF1H103ZF	CERAMIC 50V 0.01	1	
C725		ECKF1H103ZF	CERAMIC 50V 0.01	1	
C726		ECKF1H103ZF	CERAMIC 50V 0.01	1	
C727		ECQV1H224JZ	MYLAR 50V 2.2	1	
C728		ECKF1H103ZF	CERAMIC 50V 0.01	1	
C730		ECCF1H050CC	CERAMIC 50V 5P	1	
C731		ECCF1H040CC	CERAMIC 50V 4P	1	
C732		ECCF1H040CC	CERAMIC 50V 4P	1	
C733		ECCF1H220JC	CERAMIC 50V 22P	1	
C734		ECCF1H121JP	CERAMIC 50V 120P	1	
C735		ECCF1H150JC	CERAMIC 50V 15P	1	
C736		ECKF1H103ZF	CERAMIC 50V 0.01	1	
C737		ECKF1H103ZF	CERAMIC 50V 0.01	1	
C738		ECCF1H150JC	CERAMIC 50V 15P	1	
C739		ECCF1H560JR	CERAMIC 50V 56P	1	
C740		ECCF1H220JR	CERAMIC 50V 22P	1	

Ref.No.		Part No.	Part Name & Description			Pcs	Remarks
C741		ECCF1H220JC	CERAMIC	50V	22P	1	
C742		ECCF1H680JC	CERAMIC	50V	68P	1	
C751		ECCF1H820JC	CERAMIC	50V	82P	1	
C752		ECCF1HD50CC	CERAMIC	50V	5P	1	
C753		ECCF1HB20JP	CERAMIC	50V	82P	1	
C754		ECQV1H473JZ	MYLAR	50V	0.047	1	
C755		ECEA1CK470	ELECTROLYTIC	16V	47	1	
C756		ECCF1H390JR	CERAMIC	50V	39P	1	
C757		ECCF1H120JC	CERAMIC	50V	12P	1	
C758		ECEA1CK100	ELECTROLYTIC	16V	10	1	
C759		ECQV1H104JZ	MYLAR	50V	0.1	1	
C766		ECQV1H104JZ	MYLAR	50V	0.1	1	
			COILS				
L702		VLQEL05F470K			47uH	1	
L704		VLQEL05F120K			12uH	1	
L705		VLQEL05F560K			56uH	1	
L706		VLQEL05F820K			82uH	1	
L751		VLQEL05F220K			22uH	1	
			CRYSTAL OSCILLATORS				
X702		EFCS6ROMS4				1	OR VLF0179
X703		EFCS6ROMW3				1	OR VLF0183
			TRANSFORMERS				
T701		EU1HLS401				1	
T702		ELM7A4101Y				1	
T703		EIV7E016F				1	
T704		EIV7E016E				1	
T751		EIS7E006A				1	
T752		EIS7E006B				1	
			MISCELLANEOUS				
		VJR0162	PACK PIN		8P	2	
		VSC1148	SHIELD CASE			1	(BOTTOM)
		VSC1216	SHIELD CASE			1	(TOP)
		VSC1589	SHIELD CASE			1	(MAIN)
	■	VEP03318A	REC AMP PACK C.B.A.				
			TRANSISTORS				
Q3501		2SC2206				1	(B,C)
Q3502		2SC2206				1	(B,C)
Q3503		2SB641				1	(R,S) OR 2SA937M(R,S)
Q3504		2SB641				1	(Q,R,S)
Q3601		2SC2206				1	
Q3602		2SB641				1	OR 2SA937M
Q3603		2SB641				1	OR 2SA937M
Q3604		2SD636				1	OR 2SC2021M
Q3605		2SB641				1	OR 2SA937M
			COMBINATION PARTS				
			(TRANSISTORS & RESISTOR)				
QR3601		DTC114EA				1	OR UN1211
			DIODES				
D3601		1SS99				1	
D3602		1SS99				1	

Ref.No.		Part No.	Part Name & Description			Pcs	Remarks
			RESISTORS				
R3501		ERDS2TJ561			560		
R3502		ERDS2TJ682			6.8K	1	
R3503		ERDS2TJ122			1.2K	1	
R3504		ERQS2CKG1201	METAL		1.2K	1	
R3505		ERQS2CKG5600	METAL		560	1	
R3506		ERDS2TJ221			220	1	
R3507		ERDS2TJ682			6.8K	1	
R3508		ERDS2TJ682			6.8K	1	
R3509		ERDS2TJ560			56	1	
R3510		ERDS2TJ560			56	1	
R3511		ERDS2TJ562			5.6K	1	
R3512		ERQS2CKG4700			470	1	
R3601		ERDS2TJ471			470	1	
R3602		ERDS2TJ471			470	1	
R3603		ERDS2TJ471			470	1	
R3604		ERDS2TJ182			1.8K	1	
R3605		ERDS2TJ680			68	1	
R3606		ERDS2TJ102			1K	1	
R3609		ERDS2TJ823			82K	1	
R3610		ERDS2TJ183			18K	1	
R3611		ERDS2TJ102			1K	1	
R3612		ERDS2TJ681			680	1	
R3613		ERDS2TJ150			15	1	
			VARIABLE RESISTOR				
VR3601		EVLS0AA00B22			200	1	
			CAPACITORS				
C3501		ECEA1CK470	ELECTROLYTIC	16V	47	1	
C3502		ECCF1H820KC	CERAMIC	50V	82P	1	OR ECCF1H820JC
C3503		ECKF1H271KB	CERAMIC	50V	270P	1	
C3504		ECKF1H103ZF	CERAMIC	50V	0.01	1	
C3505		VCYD1C333MR1	SEMICONDUCTOR	16V	0.033	1	
C3506		ECKF1H471KB	CERAMIC	50V	470P	1	
C3507		ECKF1H472ZF	CERAMIC	50V	4700P	1	
C3508		ECCF1H120KC	CERAMIC	50V	12P	1	OR ECCF1H120JC
C3509		ECKF1H103ZF	CERAMIC	50V	0.01	1	
C3510		ECKF1H103ZF	CERAMIC	50V	0.01	1	
C3601		ECCF1H820JC	CERAMIC	50V	82P	1	
C3602		ECKF1H121KB	CERAMIC	50V	120P	1	
C3603		ECKF1H103ZF	CERAMIC	50V	0.01	1	
C3604		ECEA1CK470	ELECTROLYTIC	16V	47	1	
C3605		ECCF1H390JC	CERAMIC	50V	39P	1	
C3606		ECCF1H100DC	CERAMIC	50V	10P	1	
			COILS				
L3501		VLQEL05F101K			100uH	1	
L3502		VLQEL05F101K			100uH	1	
L3601		VLQEL05F101K			100uH	1	
L3602		VLQEL05F390K			39uH	1	
			CONNECTOR				
P3602		VJP1232T			5P	1	
			MISCELLANEOUS				
		VJF0346	C.B.A. HOLDER			1	
		VXA2555	BARRIER UNIT			1	
		VJR0188	PACK PIN		8P	1	
		VHN0041	RIVET			2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
	■	VEP05082	HEAD AMP PACK C.B.A.		NV-G10EG/EO/B
			INTIGRATED CIRCUIT		
IC501		AN3311S		1	
			TRANSISTORS		
Q501		2SD601		1	(Q,R,S)
Q502		2SD601		1	(Q,R,S)
Q503		2SD601		1	(Q,R,S)
Q504		2SD601		1	(Q,R,S)
Q505		2SC2404		1	(C,D)
			RESISTORS		
R501		ERJ6GMYJ122	CHIP 1.2K	1	
R503		ERJ6GMYJ821	CHIP 820	1	
R504		ERJ6GMYJ821	CHIP 820	1	
R505		ERJ6GMYJ471	CHIP 470	1	
R506		ERJ6GMYJ222	CHIP 2.2K	1	
R507		ERJ6GMYJ222	CHIP 2.2K	1	
R508		ERJ6GMYJ100	CHIP 10	1	
R509		ERJ6GMYJ100	CHIP 10	1	
R510		ERJ6GMYJ222	CHIP 2.2K	1	
R511		ERJ6GMYJ152	CHIP 1.5K	1	
R513		ERJ6GMYJ102	CHIP 1K	1	
R514		ERJ6GMYJ122	CHIP 1.2K	1	
R515		ERJ6GMYJ331	CHIP 330	1	
R516		ERJ6GMYJ102	CHIP 1K	1	
R551		ERJ6GMYJ222	CHIP 2.2K	1	
			CAPACITORS		
C501		VCYD1C104MR1	SEMICONDUCTOR 16V 0.1	1	
C502		ECUX1H150JCN	CERAMIC 50V 15P	1	
C503		ECUX1H103ZFN	CERAMIC 50V 0.01	1	
C504		ECEA1CK100	ELECTROLYTIC 16V 10	1	
C505		ECEA1CK100	ELECTROLYTIC 16V 10	1	
C506		ECUX1H103ZFN	CERAMIC 50V 0.01	1	
C507		ECUX1H150JCN	CERAMIC 50V 15P	1	
C508		ECUX1H150JCN	CERAMIC 50V 15P	1	
C509		ECUX1H103ZFN	CERAMIC 50V 0.01	1	
C510		ECEA1CK100	ELECTROLYTIC 16V 10	1	
C513		ECUX1H180JCN	CERAMIC 50V 18P	1	
C514		ECEA0JK470	ELECTROLYTIC 6.3V 47	1	
C515		ECKF1H103ZF	CERAMIC 50V 0.01	1	
C516		VCYD1C104MR1	SEMICONDUCTOR 16V 0.1	1	
C519		ECUX1H151JCN	CERAMIC 50V 150P	1	
C520		ECEA1HK010	ELECTROLYTIC 50V 1	1	
C521		ECUX1H103ZFN	CERAMIC 50V 0.01	1	
C522		VCYD1C104MR1	SEMICONDUCTOR 16V 0.1	1	
C523		ECEA0JK220	ELECTROLYTIC 6.3V 22	1	
C524		ECUX1H122KBN	CERAMIC 50V 1200P	1	
C551		ECUX1H150JCN	CERAMIC 50V 15P	1	
C552		ECUX1H681KBN	CERAMIC 50V 680P	1	
			COILS		
L501		VLQE105F101K	100uH	1	
L504		VLQE105F180K	18uH	1	
L551		VLQ0165		1	
L552		VLQ0166		1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			CONNECTORS		
P002		VJS1449	8P	1	
P501		VJP1248T	8P	1	
			MISCELLANEOUS		
		VSC1288	SHIELD CASE	1	(TOP)
		VSC1289	SHIELD CASE	1	(MAIN)
		VSC1290	SHIELD CASE	1	(BOTTOM)
	■	VEP05064	HEAD AMP C.B.A.		NV-G7EG/EO/B
			INTEGRATED CIRCUIT		
IC501		AN3310S		1	
			TRANSISTORS		
Q501		2SD601		1	(Q,R,S)
Q502		2SD601		1	(Q,R,S)
Q503		2SD601		1	(Q,R,S)
Q504		2SD601		1	(Q,R,S)
Q505		2SC2404		1	(C,D)
			RESISTORS		
R501		ERJ6GMYJ122	CHIP 1.2K	1	
R504		ERJ6GMYJ821	CHIP 820	1	
R505		ERJ6GMYJ821	CHIP 820	1	
R506		ERJ6GMYJ222	CHIP 2.2K	1	
R507		ERJ6GMYJ222	CHIP 2.2K	1	
R508		ERJ6GMYJ100	CHIP 10	1	
R509		ERJ6GMYJ100	CHIP 10	1	
R510		ERJ6GMYJ222	CHIP 2.2K	1	
R511		ERJ6GMYJ152	CHIP 1.5K	1	
R513		ERJ6GMYJ102	CHIP 1K	1	
R514		ERJ6GMYJ122	CHIP 1.2K	1	
R515		ERJ6GMYJ331	CHIP 330	1	
R516		ERJ6GMYJ102	CHIP 1K	1	
R551		ERJ6GMYJ222	CHIP 2.2K	1	
			CAPACITORS		
C501		VCYD1C104MR1	SEMICONDUCTOR 16V 0.1	1	
C505		ECEA1CK100	ELECTROLYTIC 16V 10	1	
C506		ECUX1H103ZFN	CERAMIC 50V 0.01	1	
C507		ECUX1H150JCN	CERAMIC 50V 15P	1	
C508		ECUX1H150JCN	CERAMIC 50V 15P	1	
C509		ECUX1H103ZFN	CERAMIC 50V 0.01	1	
C510		ECEA1CK100	ELECTROLYTIC 16V 10	1	
C513		ECUX1H180JCN	CERAMIC 50V 18P	1	
C514		ECEA0JK470	ELECTROLYTIC 6.3V 47	1	
C515		ECKF1H103ZF	CERAMIC 50V 0.01	1	
C516		VCYD1C104MR1	SEMICONDUCTOR 16V 0.1	1	
C519		ECUX1H151JCN	CERAMIC 50V 150P	1	
C520		ECEA1HK010	ELECTROLYTIC 50V 1	1	
C522		VCYD1C104MR1	SEMICONDUCTOR 16V 0.1	1	
C523		ECEA0JK220	ELECTROLYTIC 6.3V 22	1	
C524		ECUX1H122KBN	CERAMIC 50V 1200P	1	
C551		ECUX1H150JCN	CERAMIC 50V 15P	1	
C552		ECUX1H681KBN	CERAMIC 50V 680P	1	
			COILS		
L501		VLQEL05F101K	100uH	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
L504		VLQEL05F180K	18uH	1	
L506		VLP0018		1	
L507		VLP0018		1	
L551		VLQEL05F180K	18uH	1	
L552		VLQEL05F101K	100uH	1	
			CONNECTORS		
P002		VJS1449	8P	1	
P501		VJP1248T	8P	1	
			MISCELLANEOUS		
		VSC1288	SHIELD CASE	1	(TOP)
		VSC1289	SHIELD CASE	1	(MAIN)
		VSC1290	SHIELD CASE	1	(BOTTOM)
	■	VEP06334A	OPERATION C.B.A.		NV-G10EG/E0/B
			INTEGRATED CIRCUIT		
IC6201		MN155OVQV		1	
			TRANSISTORS		
Q6201		2SD636		1	(S) OR 2SD637(S)
Q6202		2SD636		1	(S) OR 2SD637(S)
			DIODES		
D6201		MA165		1	OR 1SS133,1SS119
D6202		MA165		1	OR 1SS133,1SS119
D6203		MA165		1	OR 1SS133,1SS119
D6205		LN31GCPHLG	LED	1	
D6206		LN81RCPHL	LED	1	
D6207		MA165		1	OR 1SS133,1SS119
D6208		VLL0038	LED	1	
D6209		VLL0038	LED	1	
			RESISTORS		
R6201		ERDS2TJ122	1.2K	1	
R6202		ERDS2TJ122	1.2K	1	
R6203		ERDS2TJ181	180	1	
R6204		ERDS2TJ181	180	1	
			CAPACITORS		
C6201		ECCF1H680JC	CERAMIC 50V	68P	1
C6202		ECCF1H330JC	CERAMIC 50V	33P	1
C6203		VCYD1C104MR1	SEMICONDUCTOR 16V	0.1	1
C6204		ECEA0JK220	ELECTROLYTIC 6.3V	22	1
			CRYSTAL OSCILLATOR		
X6201		EFOA4ROM03C1		1	
			SWITCHES		
SW6201		EVQQS307K		1	
SW6202		EVQQS307K		1	
SW6203		EVQQS307K		1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
SW6204		EVQQS307K		1	
SW6205		EVQQS307K		1	
SW6206		EVQQS307K		1	
SW6207		EVQQS307K		1	
SW6208		EVQQS307K		1	
SW6209		EVQQS307K		1	
			CONNECTORS		
P6201		VJS1730	12P	1	
P6202		VJP1232T	5P	1	
			MISCELLANEOUS		
		KL04	LED SPACER	2	
	■	VEP06350A	OPERATION C.B.A.		NV-G7EG/E0/B
			DIODES		
D6201		MA165		1	
D6203		MA165		1	
D6205		LN31GCPHLG		1	
D6206		LN81RCPHL	POWER LED	1	
D6207		MA165		1	OR 1SS133,1SS119
			RESISTORS		
R6201		ERDS2TJ122	1.2K	1	
R6202		ERDS2TJ122	1.2K	1	
			SWITCHES		
SW6201		EVQQS307K		1	
SW6202		EVQQS307K		1	
SW6206		EVQQS307K		1	
SW6207		EVQQS307K		1	
SW6208		EVQQS307K		1	
SW6209		EVQQS307K		1	
SW6210		EVQQS307K		1	
SW6211		EVQQS307K		1	
			CONNECTOR		
P6201		VJS1730	12P	1	
			MISCELLANEOUS		
		KL04	LED SPACER	2	
	■	VEP07323A	TIMER & CH SELECT C.B.A.		NV-G10EG
	■	VEP07323B			NV-G7EG
			INTEGRATED CIRCUITS		
IC7501		MN152611VEA		1	
IC7502		MN1220		1	
IC7503		uPC1373HA		1	OR uPC1373H
IC7504		MN1280P		1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
		TRANSISTORS		
Q7501	2SD637		1	
Q7502	2SD636		1	OR 2SC2021M
Q7503	2SB641		1	OR 2SA937M
		COMBINATION PARTS		
		(TRANSISTORS & RESISTOR)		
QR7501	DTC144EA		1	OR UN1213
QR7502	DTC144EA		1	OR UN1213
QR7503	DTA124EA		1	OR UN1112
		DIODES		
D7501	ERA15-01		1	
D7502	MA4075		1	
D7504	LN38GCPP		1	
D7505	MA165		1	OR 1SS133
D7506	MA165		1	OR 1SS133
D7507	MA165		1	OR 1SS133
D7508	MA165		1	OR 1SS133
D7509	MA165		1	OR 1SS133
D7510	MA165		1	OR 1SS133
D7511	MA165		1	OR 1SS133
D7512	MA165		1	OR 1SS133
D7513	MA165		1	OR 1SS133
D7514	MA165		1	OR 1SS133
D7515	MA165		1	OR 1SS133
D7516	MA165		1	OR 1SS133
D7528	MA165		1	OR 1SS133
		RESISTORS		
R7501	ERDS2TJ122	1.2K	1	
R7502	ERC14GK126	SOLID 1/2W 12M	1	OR ERC14GJ126
R7503	ERDS2TJ473	47K	1	
R7504	ERDS2TJ331	330	1	
R7505	ERDS2TJ820	82	1	
R7506	ERDS2TJ820	82	1	
R7507	ERDS2TJ104	100K	1	
R7508	ERDS2TJ470	47	1	
R7509	ERDS2TJ102	1K	1	
R7510	ERDS2TJ223	22K	1	
R7511	ERDS2TJ332	3.3K	1	
R7512	ERDS2TJ332	3.3K	1	
R7515	ERDS2TJ391	390	1	
R7516	ERDS2TJ181	180	1	
R7517	ERDS2TJ122	1.2K	1	
R7518	ERDS2TJ271	270	1	
R7519	ERDS2TJ473	47K	1	
R7520	ERDS2TJ124	120K	1	
R7521	ERDS2TJ473	47K	1	
R7522	ERDS2TJ334	330K	1	
R7523	ERDS2TJ154	150K	1	
R7524	ERDS2TJ120	12	1	
R7525	ERDS2TJ102	1K	1	
R7526	ERDS2TJ682	6.8K	1	
R7527	ERDS2TJ103	10K	1	
R7528	ERDS2TJ103	10K	1	
R7529	ERDS2TJ103	10K	1	
R7530	ERDS2TJ392	3.9K	1	
R7586	ERDS2TJ224	220K	1	
		VARIABLE RESISTORS		
VR2007	EVUFMAE03B15	100K	1	
VR2008	EVUFMAE03B15	100K	1	NV-G10EG
VR3004	EVUJ08E03B24	20K	1	
VR7505	EWEU2A016B24	20K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
		CAPACITORS		
C7501	ECCF1H080DC	CERAMIC 50V 8P	1	
C7502	ECKHA030E11	TRIMER 30P	1	
C7503	ECEA1HKR22	ELECTROLYTIC 50V 0.22	1	
C7504	ECCF1H220JC	CERAMIC 50V 22P	1	
C7505	ECCF1H330JC	CERAMIC 50V 33P	1	
C7506	ECEA1AK101	ELECTROLYTIC 10V 100	1	
C7507	ECKF1H1032F	CERAMIC 50V 0.01	1	
C7508	ECEA1CKS330	ELECTROLYTIC 16V 33	1	
C7510	ECEA1HK100	ELECTROLYTIC 50V 10	1	
C7511	ECEA1CK470	ELECTROLYTIC 16V 47	1	
C7512	ECEA1CK100	ELECTROLYTIC 16V 10	1	
C7513	ECEA1HKR47	ELECTROLYTIC 50V 0.47	1	
C7514	ECQB1H183JH	MYLAR 50V 0.018	1	
C7515	ECKF1H331KB	CERAMIC 50V 330P	1	
C7516	ECEA1CK100	ELECTROLYTIC 16V 10	1	
C7517	VCF0006	MYLAR 4700P	1	
C7519	ECQB1H102JH	MYLAR 50V 1000P	1	
C7520	ECEA1AKS220	ELECTROLYTIC 10V 22	1	
		CRYSTAL OSCILLATORS		
X7501	VSX0140		1	
X7502	VSX0094		1	
		SWITCHES		
SW7501	EVQQS307K		1	
SW7502	EVQQS307K		1	
SW7503	EVQQS307K		1	
SW7504	EVQQS307K		1	
SW7505	EVQQS307K		1	
SW7506	EVQQS307K		1	
SW7507	EVQQS307K		1	
SW7508	EVQQS307K		1	
SW7509	EVQQS307K		1	
SW7510	EVQQS307K		1	
SW7511	EVQQS307K		1	
SW7512	EVQQS307K		1	
SW7513	EVQQS307K		1	
SW7514	EVQQS307K		1	
SW7515	EVQQS307K		1	
SW7516	ESD14314		1	
SW7517	ESD14137A		1	
SW7520	ESD14314		1	
SW7521	ESD14314		1	
		TRANSFORMER		
T7501	EIR7QE007B		1	
		DISPLAY TUBE		
DP7501	VSL0090		1	
		CONNECTORS		
P7501	VJS1642	8P	1	
P7502	VJS1729	10P	1	
P7503	VJS1491	13P	1	
P7504	VJP1231T	4P	1	
		MISCELLANEOUS		
	VGT0305	PRESET VR KNOB	1	NV-G10EG

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VGU2851	PRESET VR KNOB	1	NV-G7EG
		VJF0319	F.I.P HOLDER	1	
		VSC1586	SHIELD CASE	1	(TOP)
		VSC1623	SHIELD CASE	1	(MAIN)
		VSC1519	SHIELD CASE	1	(BOTTOM)
		VSC1520	SHIELD PLATE	1	
		VMZ0765	INSULATION CAP	1	
		KL02	SPACER	1	
		VGT0319	VR KNOB	1	FOR SW7516 NV-G10EG
		VGU2850	VR KNOB	1	FOR SW7516 NV-G7EG
	■	VEP07300D	TIMER & CH SELECT C.B.A.		NV-G10E0
	■	VEP07300E			NV-G10B
	■	VEP07300F			NV-G7E0
	■	VEP07300G			NV-G7B
			INTEGRATED CIRCUITS		
IC7501		MN15261VQY		1	
IC7502		MN1220		1	
IC7503		uPC1373HA		1	OR uPC1373H
IC7504		MN1280P		1	
			TRANSISTORS		
Q7501		2SD637		1	
Q7502		2SD636		1	OR 2SC2021M
Q7503		2SB641		1	OR 2SA937M
			COMBINATION PARTS		
			(TRANSISTORS & RESISTOR)		
QR7501		DTC144EA		1	OR UN1213
QR7502		DTC144EA		1	OR UN1213
QR7503		DTA124EA		1	OR UN1112
			DIODES		
D7501		ERA15-01		1	
D7502		MA4075	ZENER	1	
D7504		LN38GCPP	LED	1	
D7505		MA165		1	OR 1SS133
D7506		MA165		1	OR 1SS133
D7507		MA165		1	OR 1SS133
D7508		MA165		1	OR 1SS133
D7510		MA165		1	OR 1SS133
D7511		MA165		1	OR 1SS133
D7512		MA165		1	OR 1SS133
D7513		MA165		1	OR 1SS133
D7514		MA165		1	OR 1SS133
D7515		MA165		1	OR 1SS133
D7516		MA165		1	OR 1SS133
D7519		MA165		1	OR 1SS133
D7520		MA165		1	OR 1SS133
D7521		MA165		1	OR 1SS133
D7524		MA165		1	OR 1SS133
D7526		MA165		1	OR 1SS133
			RESISTORS		
R7501		ERDS2TJ122	1.2K	1	
R7502		ERC14GK126	SOLID 1/2W 12M	1	OR ERC14GJ126
R7503		ERDS2TJ473	47K	1	
R7504		ERDS2TJ331	330	1	
R7505		ERDS2TJ820	82	1	
R7506		ERDS2TJ820	82	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R7507		ERDS2TJ104	100K	1	
R7508		ERDS2TJ470	47	1	
R7509		ERDS2TJ102	1K	1	
R7510		ERDS2TJ223	22K	1	
R7511		ERDS2TJ332	3.3K	1	
R7512		ERDS2TJ332	3.3K	1	
R7515		ERDS2TJ391	390	1	
R7516		ERDS2TJ181	180	1	
R7517		ERDS2TJ122	1.2K	1	
R7518		ERDS2TJ271	270	1	
R7519		ERDS2TJ473	47K	1	
R7520		ERDS2TJ124	120K	1	
R7521		ERDS2TJ473	47K	1	
R7522		ERDS2TJ334	330K	1	
R7523		ERDS2TJ154	150K	1	
R7524		ERDS2TJ120	12	1	
R7525		ERDS2TJ102	1K	1	
R7526		ERDS2TJ682	6.8K	1	
R7527		ERDS2TJ103	10K	1	
R7528		ERDS2TJ103	10K	1	
R7529		ERDS2TJ103	10K	1	
R7530		ERDS2TJ392	3.9K	1	
R7586		ERDS2TJ224	220K	1	
			VARIABLE RESISTORS		
VR2007		EVUFMAB03B15	100K	1	
VR2008		EVUFMAE03B15	100K	1	NV-G10E0/B
VR3004		EVUJ08E03B24	20K	1	
VR7505		EWEU2A016B24	20K	1	
			CAPACITORS		
C7501		ECCF1H080DC	CERAMIC 50V 8P	1	
C7502		ECRHA030E11	TRIMMER 30P	1	
C7503		ECEA1HKR22	ELECTROLYTIC 50V 0.22	1	
C7504		ECCF1H220JC	CERAMIC 50V 22P	1	
C7505		ECCF1H330JC	CERAMIC 50V 33P	1	
C7506		ECEA1AK101	ELECTROLYTIC 10V 100	1	
C7507		ECKF1H1032F	CERAMIC 50V 0.01	1	
C7508		ECEA1CKS330	ELECTROLYTIC 16V 33	1	
C7510		ECEA1HK100	ELECTROLYTIC 50V 10	1	
C7511		ECEA1CK470	ELECTROLYTIC 16V 47	1	
C7512		ECEA1CK100	ELECTROLYTIC 16V 10	1	
C7513		ECEA1HKR47	ELECTROLYTIC 50V 0.47	1	
C7514		ECQB1H183JH	MYLAR 50V 0.018	1	
C7515		ECKF1H331KB	CERAMIC 50V 330P	1	
C7516		ECEA1CK100	ELECTROLYTIC 16V 10	1	
C7517		VCF0006	MYLAR 4700P	1	
C7519		ECQB1H102JH	MYLAR 50V 1000P	1	
C7520		ECEA1AKS220	ELECTROLYTIC 10V 22	1	
			CRYSTAL OSCILLATORS		
X7501		VSX0140		1	
X7502		VSX0094		1	
			SWITCHES		
SW7501		EVQQS307K		1	
SW7502		EVQQS307K		1	
SW7503		EVQQS307K		1	
SW7504		EVQQS307K		1	
SW7505		EVQQS307K		1	
SW7506		EVQQS307K		1	
SW7507		EVQQS307K		1	
SW7508		EVQQS307K		1	
SW7509		EVQQS307K		1	
SW7510		EVQQS307K		1	
SW7511		EVQQS307K		1	
SW7513		EVQQS307K		1	NV-G10E0,NV-G7E0

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
SW7514		EVQQS307K		1	NV-G10EO,NV-G7EO
SW7515		EVQQS307K		1	
SW7516		ESD14314		1	
SW7517		ESD14137A		1	NV-G10EO,NV-G7EO
SW7520		ESD14314		1	NV-G10EO,NV-G7EO
SW7521		ESD14314		1	
			TRANSFORMER		
T7501		EIR7QE007B		1	
			DISPLAY TUBE		
DP7501		VSL0091		1	
			CONNECTORS		
P7501		VJS1642	8P	1	
P7502		VJS1729	10P	1	
P7503		VJS1491	13P	1	
			MISCELLNEOUS		
		VGT0305	PRESET VR KNOB	1	NV-G10EO/B
		VGU2851	PRESET VR KNOB	1	NV-G7EO/B
		VJF0319	FIP HOLDER	1	
		VSC1586	SHIELD CASE	1	(TOP)
		VSC1623	SHIELD CASE	1	(MAIN)
		VSC1519	SHIELD CASE	1	(BOTTOM)
		VSC1520	SHIELD PLATE	1	
		VMZ0765	INSULATION CAP	1	
		KL02	SPACER	1	
		VGT0319	VR KNOB	1	FOR SW7516 NV-G10EO/E
		VGU2850	VR KNOB	1	FOR SW7516 NV-G7EO/E
	■	VEP03293A	INPUT SELECT C.B.A.		NV-G10EO,NV-G7EO
	■	VEP03293B			NV-G10EG,NV-G7EG
			INTEGRATED CIRCUITS		
IC3101		TA7347P		1	
IC3102		M5201L		1	
			TRANSISTORS		
Q3101		2SB641		1	(Q,R,S) OR 2SA937M
Q3102		2SD636		1	OR 2SC2021M
			COMBINATION PARTS		
			(TRANSISTORS & RESISTOR)		
QR3101		DTC144EA		1	OR UN1213
QR3102		DTC144EA		1	OR UN1213
QR3103		DTC144EA		1	OR UN1213
			DIODES		
D3101		MA165		1	OR 1SS133,1SS119
D3102		MA165		1	OR 1SS133,1SS119
			RESISTORS		
R3101		ERDS2TJ104	100K	1	
R3102		ERDS2TJ103	10K	1	
R3103		ERDS2TJ562	5.6K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R3104		ERG1ANJ820	METAL 82	1	
R3105		ERDS2TJ750	75	1	
R3106		ERDS2TJ103	10K	1	
R3107		ERDS2TJ473	47K	1	
R3108		ERDS2TJ473	47K	1	
R3109		ERDS2TJ393	39K	1	
R3110		ERDS2TJ682	6.8K	1	
R3111		ERDS2TJ124	120K	1	
R3112		ERDS2TJ124	120K	1	
R3113		ERDS2TJ473	47K	1	
R3114		ERDS2TJ473	47K	1	
R3115		ERDS2TJ103	10K	1	
R3116		ERDS2TJ223	22K	1	
R3117		ERDS2TJ750	75	1	
R3119		ERDS2TJ562	5.6K	1	
R3120		ERDS2TJ223	22K	1	
R3121		ERDS2TJ222	2.2K	1	
R3122		ERDS2TJ242	2.4K	1	
R3123		ERDS2TJ242	2.4K	1	
R3124		ERDS2TJ101	100	1	
R3200		ERDS2TJ471	470	1	NV-G10EG
			CAPACITORS		
C3101		ECEA1CK470	ELECTROLYTIC 16V 47	1	
C3102		ECEA1CK220	ELECTROLYTIC 16V 22	1	
C3103		ECEA1CK220	ELECTROLYTIC 16V 22	1	
C3104		ECEA1HK2R2	ELECTROLYTIC 50V 2.2	1	
C3105		ECEA1CK470	ELECTROLYTIC 16V 47	1	
C3106		ECEA1CK470	ELECTROLYTIC 16V 47	1	
C3107		ECQB1H222JH	MYLAR 50V 2200P	1	
C3108		ECEA1CU470	ELECTROLYTIC 16V 47	1	
C3109		ECEA1HK2R2	ELECTROLYTIC 50V 2.2	1	
C3110		ECEA1HK3R3	ELECTROLYTIC 50V 3.3	1	
C3111		ECEA1HK2R2	ELECTROLYTIC 50V 2.2	1	
C3112		ECEA1CU330	ELECTROLYTIC 16V 33	1	
C3113		ECKF1H102KB	CERAMIC 50V 1000P	1	
C3115		ECKF1H102KB	CERAMIC 50V 1000P	1	
C3116		ECQB1H333JH	MYLAR 50V 1000P	1	
C3117		VCYD1C104MR1	SEMICONDUCTOR 16V 0.1	1	
C3119		ECCF1H470JC	CERAMIC 50V 47P	1	NV-G10EO
C3120		ECCF1H470JC	CERAMIC 50V 47P	1	NV-G10EO
C3121		ECKF1H103ZF	CERAMIC 50V 0.01	1	
C3200		ECEA1CK470	ELECTROLYTIC 50V 0.01	1	NV-G10EG
			COILS		
L3101		VLQEL05F101K	100uH	1	
L3102		VLQEL06F471K	470uH	1	
L3200		VLQEL05F101K	100uH	1	NV-G10EG
			CONNECTOR		
P3101		VJP1239T	12P	1	
P3200		VJP1244T	4P	1	NV-G10EG
			MISCELLANEOUS		
		VJS1469	CONNECTOR 21P	1	
	■	VEP07324A	VPS INTERFACE C.B.A.		NV-G10EG
					NV-G7EG
			INTEGRATED CIRCUIT		
IC7001		MN15542VDH		1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			COMBINATION PARTS		
			(TRANSISTORS & RESISTOR)		
QR7001		DTC144EA		1	OR UN1213
QR7002		DTC124EA		1	OR UN1212
			DIODES		
D7001		MA165		1	
D7002		MA165		1	
D7003		MA165		1	
D7004		MA165		1	
D7005		MA165		1	
			RESISTORS		
R7001		ERDS2TJ104	100K	1	
R7003		ERDS2TJ103	10K	1	
			CAPACITORS		
C7001		ECCF1H330JC	CERAMIC 50V 33P	1	
C7002		ECCF1H330JC	CERAMIC 50V 33P	1	
C7003		ECKF1H103ZF	CERAMIC 50V 0.01	1	
			CRYSTAL OSCILLATORS		
X7001		EFOA4R0M03C1		1	
			CONNECTORS		
P7001		VJP1244T	4P	1	
P7002		VJP1244T	4P	1	
P7003		VJP1245T	5P	1	
			MISCELLANEOUS		
		VMP0927	C.B.A. SUPORT ANGLE	1	
	■	VEP03317A	DETAIL SW C.B.A.		
			SWITCH		
SW3601		ESD14314		1	
			CONNECTOR		
P3601		VJP1242T		1	
			MISCELLANEOUS		
		VGU3035	DETAIL SW KNOB	1	
	■	ENC87782	RF CONVERTER & ANTENNA		<!>
	■	ENC87784	BOOSTER UNIT		
	■	ENC87786			
			INTEGRATED CIRCUIT		
IC1		LA7051		1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			TRANSISTORS		
Q1		2SC3130		1	
Q2		2SC2570A		1	OR 2SC3355
Q3		2SC2570A		1	OR 2SC3355
Q4		2SB642		1	OR 2SB644
					NV-G10B,NV-G7B
			DIODES		
D1		MA1075	ZENER	1	
D2		1SS86		1	OR 1SS174,1SS87
D3		1SS86		1	OR 1SS174,1SS87
D4		MA161		1	OR MA166,1SS135
D5		MA161		1	OR MA166,1SS135
	■	VJB00F01	IR RECEIVER C.B.		
			DIODES		
D6204		PN313		1	OR PH302
			CONNECTOR		
P6209		VJP1400		1	
	■	VJB00G13	SUPPLY PHOTO Tr. C.B.		
			TRANSISTOR		
Q1502		PN150NV			
			CAPACITOR		
C1502		ECKF1H102KB	CERAMIC 50V 1000P	1	
			MISCELLANEOUS		
		VMD0645	PHOTO HOLDER	1	
	■	VJB00G23	LED C.B.		
			DIODE		
D1501		GL450	PHOTO DIODE	1	OR LN59
			MISCELLANEOUS		
		VMD0644	LED HOLDER	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
	■	VJB00G10	MECHANISM CONNECTION C.B.		
			RESISTOR		
R1510		ERDS2TJ561	560	1	
			CAPACITOR		
C1510		ECEA50Z3R3	ELECTROLYTIC 50V 3.3	1	
			CONNECTORS		
P1511		VJP1245T	5P	1	
P1514		VJP1229T	2P	1	
P1515		VJP1229R	2P	1	
P1516		VJP1230T	3P	1	
	■	VJB00G15	CYLINDER HEATER C.B.		
			TRANSISTOR		
Q1501		2SD1275		1	
	■	VJB00G09	FRONT LOADING C.B.		
			TRANSISTOR		
Q1503		PN150NV		1	
			CAPACITOR		
C1503		ECKF1H102KB	CERAMIC 50V 1000P	1	
			MISCELLANEOUS		
		VMD0645	PHOTO HOLDER	1	
	■	VJB00G12	REEL SENSOR C.B.		
			PHOTO INTERRUPTER		
IC1501		ON2170		1	
			CONNECTOR		
P1518		VJP1229T	2P	1	
	■	VEP01213A	POWER TRANSFORMER C.B.A.		NV-G10EG,NV-G7EG
	■	VEP01212A			NV-G10B,NV-G7B
	■	VEP01212B			NV-G10E0,NV-G7E0
					<!>
			TRANSISTORS		
Q1101		2SA684		1	
Q1102		2SD1275		1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			DIODES		
D1101		MA4130M		1	
D1102		10E1		1	
D1103		11E2		1	
D1104		11E2		1	
D1105		MA4300L		1	
			RESISTORS		
R1101		ERDS2TJ562	5.6K	1	
R1102		ERDS2TJ152	1.5K	1	
R1103		ERD2FCJ8R2	FUSE 8.2	1	<!>
			CAPACITORS		
C1101		ECEA1CK100	ELECTOROLYTIC 16V 10	1	
C1102		ECEA1VU332	ELECTOROLYTIC 16V 3300	1	
C1103		ECEA2AU470	ELECTOROLYTIC 16V 47	1	
C1104		ECEA2AU470	ELECTOROLYTIC 16V 47	1	
C1105		ECKF1H223ZF	CERAMIC 50V 0.022	1	NV-G10E0,NV-G7E0
C1106		ECKF1H223ZF	CERAMIC 50V 0.022	1	NV-G10E0,NV-G7E0
C1107		ECKF1H223ZF	CERAMIC 50V 0.022	1	NV-G10E0,NV-G7E0
			COILS		
L1101		VTQ0046		1	NV-G10EG
L1102		VTQ0047		1	NV-G10EG
			CONNECTOR		
P1101		VJP1250T	10P	1	
			MISCELLANEOUS		
		SJT777	AC CORD CLAMPER	2	<!>
		TJC6320	FUSE HOLDER	6	<!>
		VMP0818	EARTH SPRING	1	
		VMP0856	EARTH ANGLE	1	
	■	VEP22034	IR REMOTE CONTROL C.B.A.		NV-G10EG/E0/B
			INTEGRATED CIRCUIT		
IC1		uPD6108C007		1	
			COMBINATION PARTS		
			(TRANSISTORS & RESISTOR)		
Q1		UN1231		1	
			DIODE		
D1		LN66S	LED	1	OR SE303AY
			RESISTORS		
R1		ERDS2TJ562	5.6K	1	
R2		ERDS2TJ1R0	1	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			CAPACITORS		
C1		ECKF1H471KB	CERAMIC 50V 470P		
C2		ECKF1H471KB	CERAMIC 50V 470P		
C3		ECEA0JS101	ELECTROLYTIC 6.3V 100		
			CRYSTAL OSCILLATOR		
X1		CSB420PB6		1	
			SWITCHES		
SW1		ESD14126		1	
			MISCELLANEOUS		
		VJR0171	ELECTRODE (+)	1	
		VJR0172	ELECTRODE (-)	1	
		VEP22046A	IR REMOTE CONTROLLER C.B.A.		NV-G7B
			INTEGRATED CIRCUIT		
IC1		uPD6108G002		1	
			TRANSISTOR		
Q1		UN1231		1	
			DIODE		
D1		LN66S	LED	1	OR SE303AY
			RESISTORS		
R1		ERDS2TJ562	5.6K	1	
R2		ERDS2TJ1R0	1	1	
			CAPACITORS		
C1		ECKF1H471KB	CERAMIC 50V 470P	1	
C2		ECKF1H471KB	CERAMIC 50V 470P	1	
C3		ECEA0JK101	ELECTROLYTIC 6.3V 100	1	OR ECEA0JKS101
			CRYSTAL OSCILLATOR		
X1		CSB420PB6		1	OR EPOA420K06B1
			MISCELLANEOUS		
		VJR0217	ELECTRODE	2	

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

3. VW-VPS Mechanical Replacement Parts List

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		VKMD691	TOP CASE	1	
2		VYK1253	BOTTOM CASE UNIT	1	
3		VQF1736	FAN BAK KIT	1	
4		VPG2693	PACKING CASE	1	
5		VPN1459	PAD	1	

4. VW-VPS Electrical Replacement Parts List

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=uuF.
4.The P.C.Board units marked width'■'show below the main assembled parts.

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
	■	VEP06358A	MAIN C.B.A.		
			INTEGRATED CIRCUITS		
IC1		SAA5235		1	
IC2		SAF1134P		1	
			RESISTORS		
R1		ERDS2TJ273	27K	1	
R2		ERDS2TJ333	33K	1	
R3		ERDS2TJ103	10K	1	
R4		ERDS2TJ103	10K	1	
R5		ERDS2TJ104	100K	1	
R6		ERDS2TJ822	8.2K	1	
R7		ERDS2TJ101	100	1	
R8		ERDS2TJ101	100	1	
			CAPACITORS		
C1		ECEA1CK220	ELECTROLYTIC 16V 22	1	
C2		ECQB1H223JH	MYLAR 50V 0.022	1	
C3		ECQV1H683JZ	MYLAR 50V 0.068	1	
C4		ECEA1HKNR47	ELECTROLYTIC 50V 0.47	1	
C5		ECCF1H150JC	CERAMIC 50V 15P	1	
C6		ECQB1H102JH	MYLAR 50V 1000P	1	
C7		ECKF1H471KB	CERAMIC 50V 470P	1	
C8		ECQB1H223JH	MYLAR 50V 0.022	1	
C9		ECKF1H271KB	CERAMIC 50V 270P	1	
C10		ECCF1H101JC	CERAMIC 50V 100P	1	
C11		ECCF1H180JC	CERAMIC 50V 18P	1	
C12		ECCF1H820JC	CERAMIC 50V 82P	1	
C13		ECCF1H220JC	CERAMIC 50V 22P	1	
C14		ECKF1H102KB	CERAMIC 50V 1000P	1	
C15		ECQB1H223JH	MYLAR 50V 0.022	1	
C16		ECEA1EK4R7	ELECTROLYTIC 25V 4.7	1	
C17		ECEA1HK010	ELECTROLYTIC 50V 1	1	
			COIL		
L1		VLQ0193	10uH	1	
			CRYSTAL OSCILLATOR		
X1		VSX0173		1	
			CONNECTOR		
P1		VJP1234T	7P	1	
			MISCELLANEOUS		
		VEK2758	CONNECTOR	1	

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

5. VW-R7E Mechanical Replacement Parts List

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)		VYK1034	TOP CASE UNIT	1	
2(1)		VYK1248	BOTTOM CASE UNIT	1	
3(1)		VKF0609	BATTERY COVER	1	
4(1)		VKW0602	SMOKE BOARD	1	
5(1)		VSP0181	RUBBER CONTACT	1	
6(1)		VGU2566	BUTTON (1)	1	
7(1)		VGU2567	BUTTON (2)	1	
8(1)		VGU2568	BUTTON (3)	1	
9(1)		VGU2569	BUTTON (4)	1	
10(1)		VGU2570	BUTTON (5)	1	
11(1)		VGU2571	BUTTON (6)	1	
12(1)		VGU2572	BUTTON (7)	1	
13(1)		VGU2573	BUTTON (8)	1	
14(1)		VGU2574	BUTTON (9)	1	
15(1)		VGU2575	BUTTON (10/0)	1	
16(1)		VGU2576	BUTTON (./..)	1	
17(1)		VGU2554	BUTTON (VTR)	1	
18(1)		VGU2555	REC BUTTON (RED)	1	
19(1)		VGU2556	REC BUTTON	1	
20(1)		VGU2557	BUTTON (PLAY)	1	
21(1)		VGU2558	BUTTON (STOP)	1	
22(1)		VGU2559	BUTTON (STILL)	1	
23(1)		VGU2561	BUTTON (REW)	1	
24(1)		VGU2562	BUTTON (FF)	1	
25(1)		VGU1213	POWER BUTTON	1	
26(1)		VGQ0601	BUTTON HOLDER	1	
27(1)		VJR0170	ELECTRODE (COMMON)	1	
28(2)		VPG2671	PACKING CASE	1	
29(2)		VPN1452	CUSHION	1	

6. VW-R7E Electrical Replacement Parts List

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 MICROFARADS(uf),P=uuF.
4.The P.C.Board units marked width'■'show below the main assembled parts.

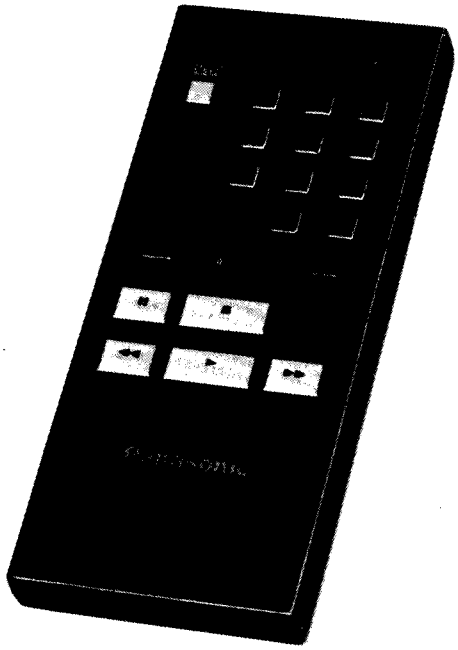
Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
	■	VEP22034	IR REMOTE CONTROL C.B.A.		
			INTEGRATED CIRCUIT		
IC1		uPD6108C007		1	
			COMBINATION PARTS		
			(TRANSISTORS & RESISTOR)		
Q1		UN1231		1	
			DIODE		
D1		LN66S	LED	1	OR SE303AY
			RESISTORS		
R1		ERDS2TJ562	5.6K	1	
R2		ERDS2TJ1R0	1	1	
			CAPACITORS		
C1		ECKF1H471KB	CERAMIC 50V 470P	1	
C2		ECKF1H471KB	CERAMIC 50V 470P	1	
C3		ECEA0JS101	ELECTROLYTIC 6.3V 100	1	
			CRYSTAL OSCILLATOR		
X1		CSB420PB6		1	
			SWITCHES		
SW1		ESD14126		1	
			MISCELLANEOUS		
		VJR0171	ELECTRODE (+)	1	
		VJR0172	ELECTRODE (-)	1	

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

Wireless Remote Controller

~~VW-R7E~~

VEQL0427



SPECIFICATIONS

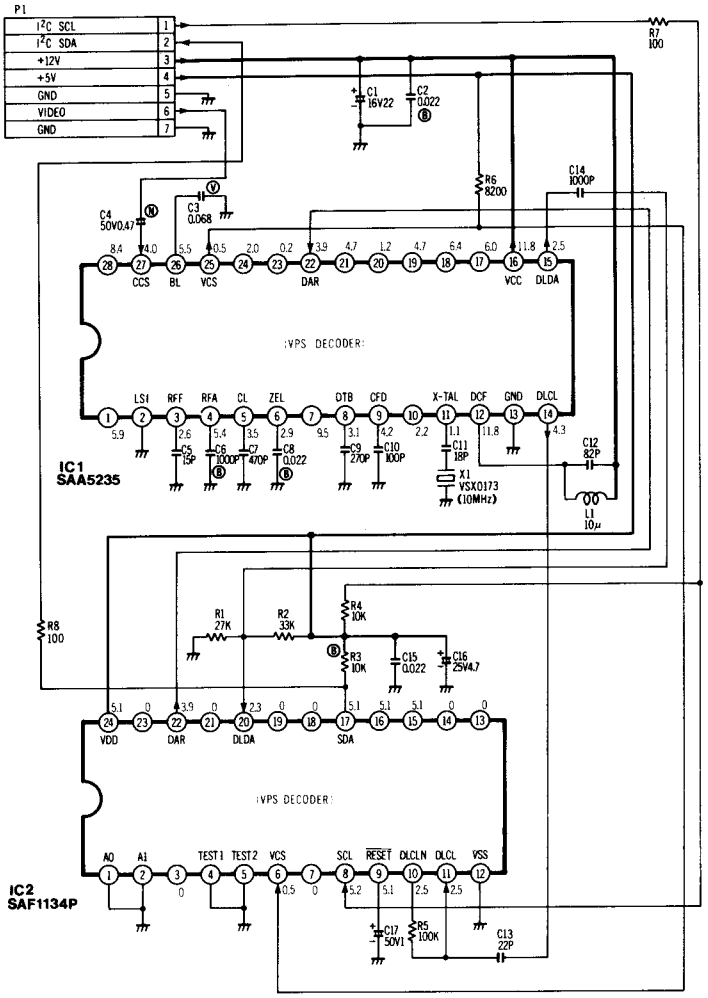
Power:	DC 3 V
Weight:	80 g (Except Batteries)
Dimensions:	62 (W) × 15.7 (H) × 144 (D) mm

Weight and dimensions shown are approximate.

Specifications are subject to change without notice.

CONTENTS

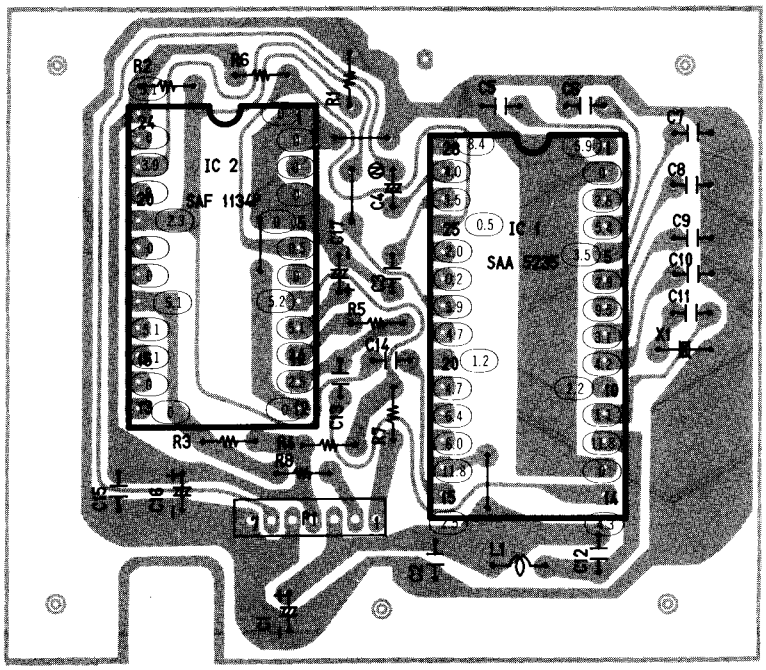
1. SCHEMATIC DIAGRAM



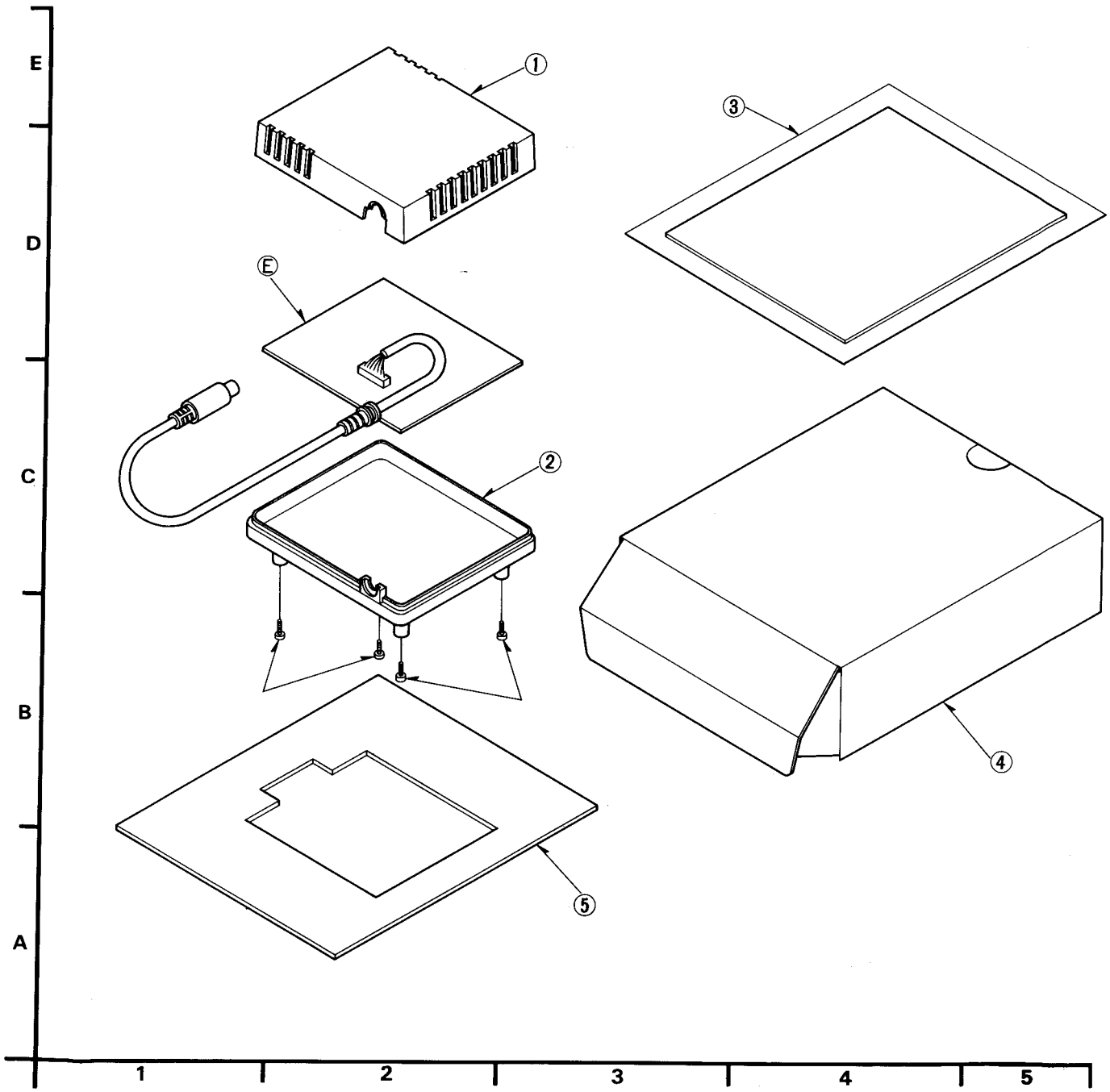
NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

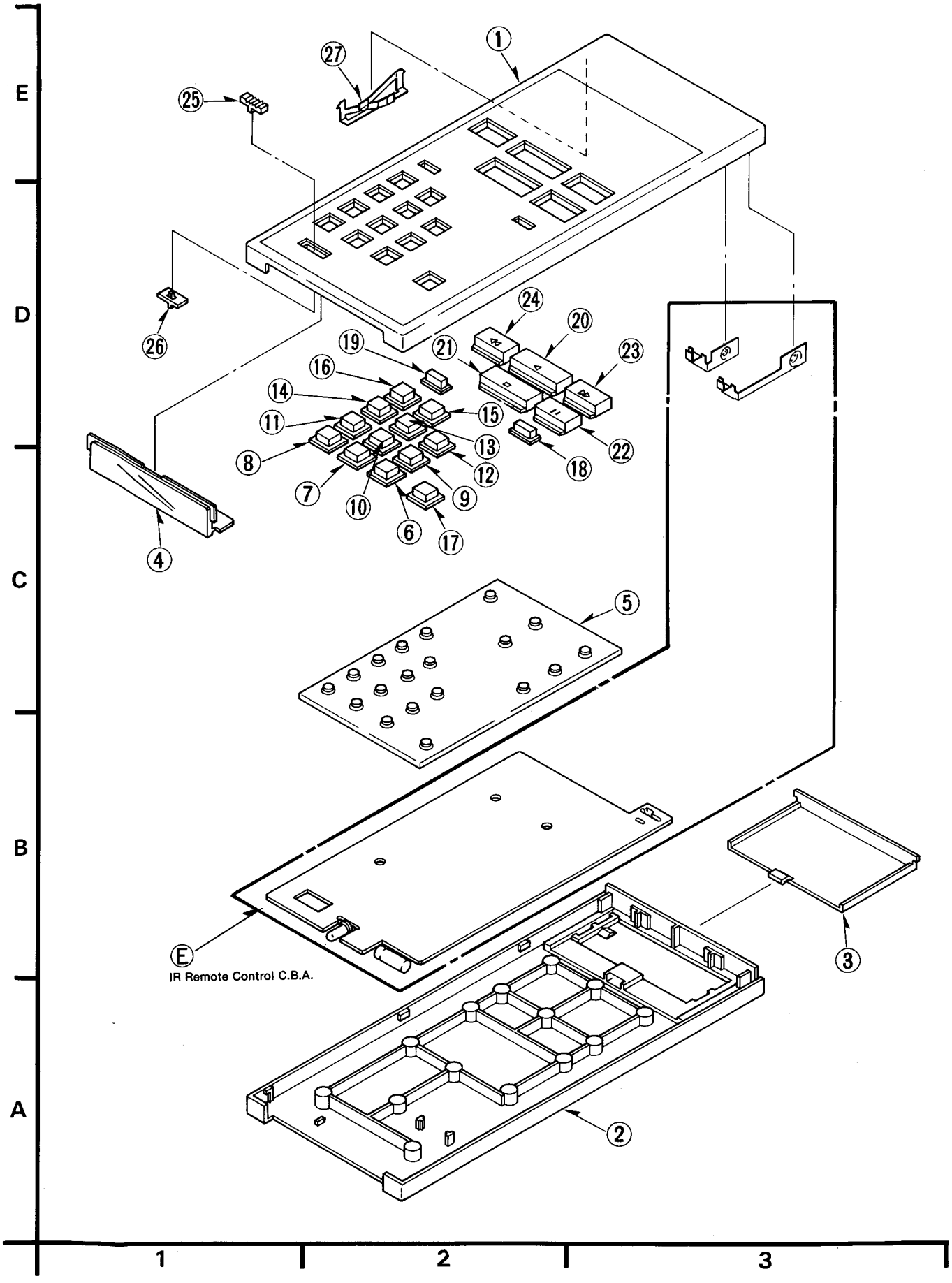
2. CIRCUIT BOARD (VEP06358A)



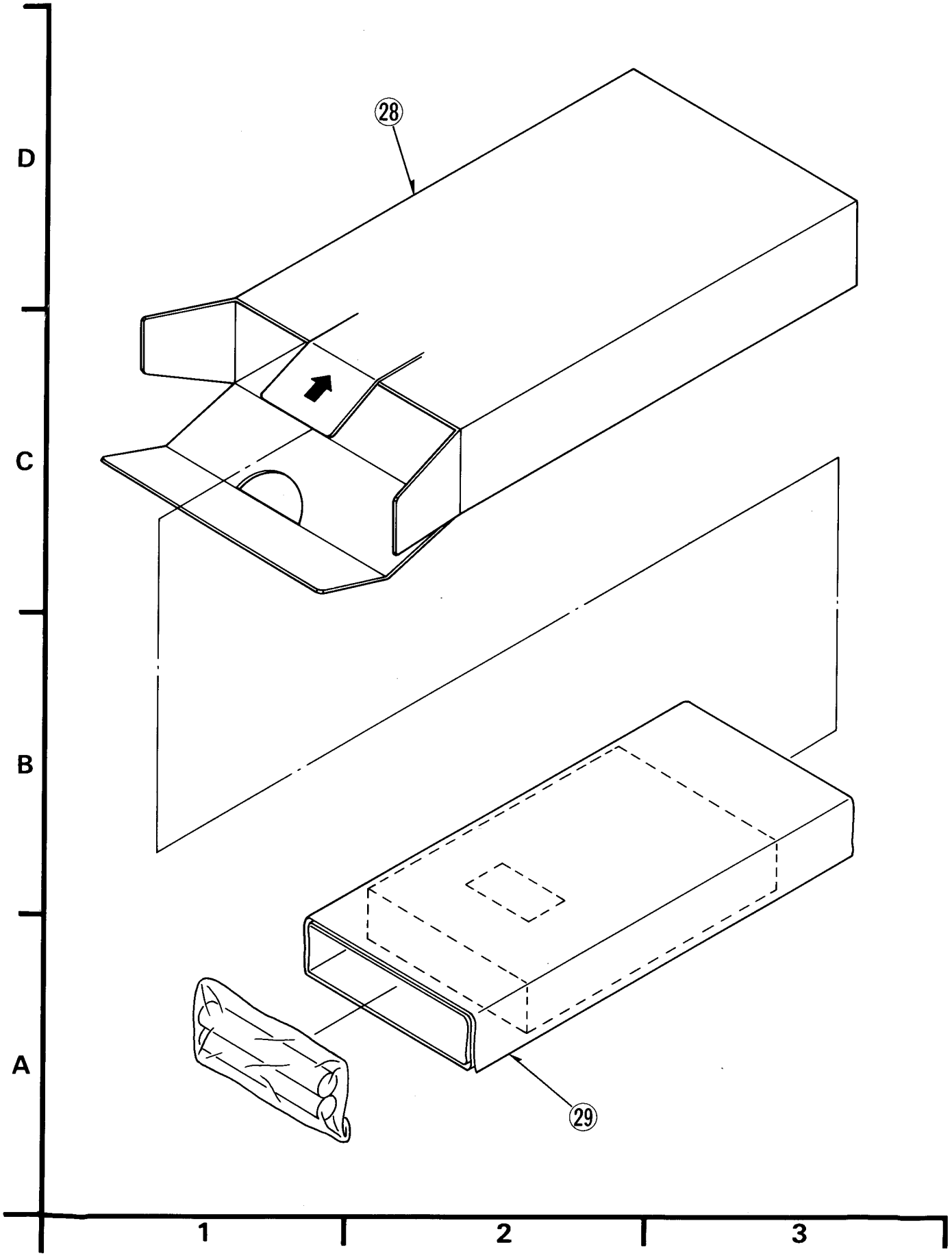
3. EXPLODED VIEW



4. EXPLODED VIEW (1)



5. EXPLODED VIEW (2)



VPS Adaptor

VW-VPS

SPECIFICATIONS

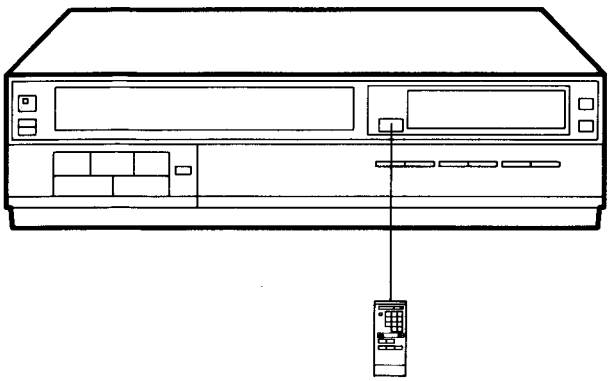
Power:	DC 12V
Weight:	90g
Dimensions:	70(W)×80(H)×32(D) mm

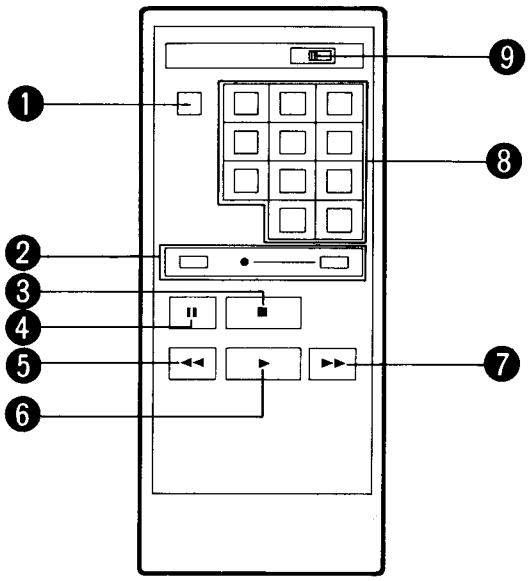
Weight and dimensions shown are approximate.

Specifications are subject to change without notice.

CONTENTS

1. CONTROLS AND COMPONENTS





❶ **VTR On/Off**
For turning the VTR on and off.

❷ **Record Buttons (●)**
To start recording, push the both buttons simultaneously.

❸ **Stop Button (■)**

❹ **Pause/Still Button (II)**

❺ **Rewind ◀◀/Review[◀◀]Button**
When this button is kept pushed during playback, the VTR changes over to the Review playback mode.

❻ **Play Button (▶)**

❼ **Fast Forward ▶▶/Cue[▶▶]Button**
When this button is kept pushed during playback, the VTR changes over to the Cue playback mode.

❽ **Programme Position (Channel) Selector Buttons**

select channel	press button
1—9	[1] – [9] respective channel
10	[0]
20	[+10] → [2] → [0]
11—32	
for example 24	[+10] → [2] → [4]

If more than 5 seconds pass between the first, second and third push, the channel will not be changed normally,

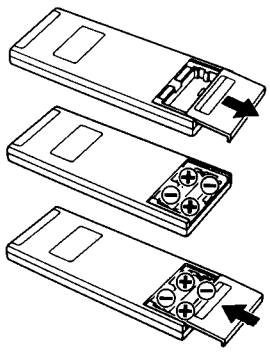
❾ **Remote Controller On/Off Switch**

Power Source of the Infra-red Remote Controller

■ The Infra-red Remote Controller is powered by two IEC "R03" 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 shortcircuit 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 battery together. (Also never use an alkaline battery with a manganese battery.)

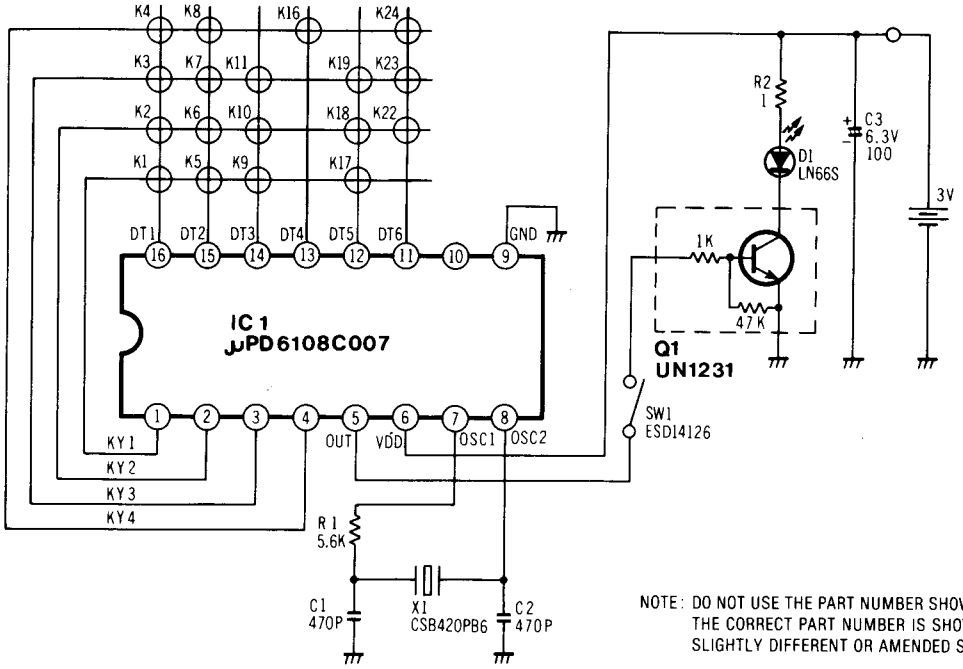
Load the batteries as follows:



1. Remove the battery compartment lid.
2. Place two batteries in the battery compartment as indicated inside the battery compartment.
3. Replace the lid.

Note:
- The infrared beam should be transmitted directly at the Infrared 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 window in the VTR is about 40°.
- The unit should be used within a range of about 7 meters from the front to the VTR.

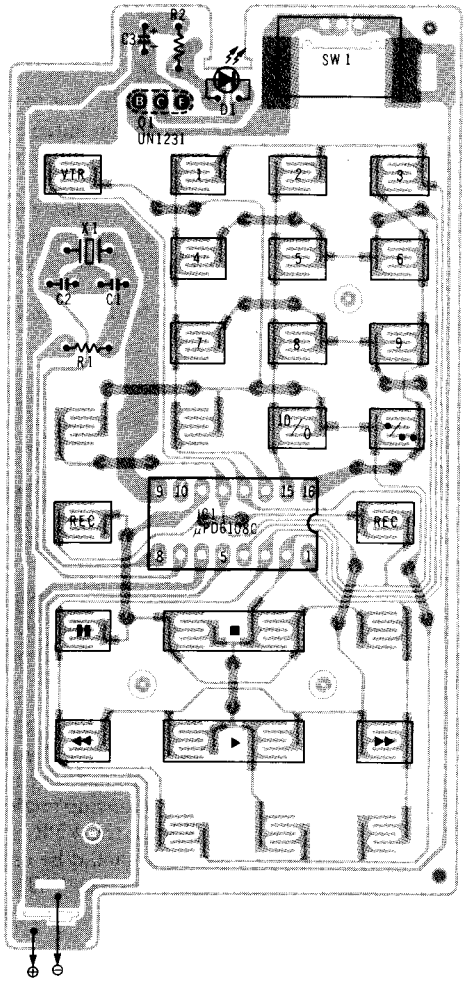
2. SCHEMATIC DIAGRAM



KEY NO.	FUNCTION
1	CH 3
2	CH 6
3	CH 9
4	•/••
5	CH 2
6	CH 5
7	CH 8
8	0 / 10
9	CH 1
10	CH 4
11	CH 7
—	—
16	POWER ON/OFF
17	FF
18	PLAY
19	REW
—	—
22	STOP
23	STILL/PAUSE
24	REC

NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

3. CIRCUIT BOARD (VEP22034)



1. COMPARISON CHART

MODEL NO. :

This chart is described different part from the basic model NV-G10EG/EO to the new model NV-G10EV.

IMPORTANT SAFETY NOTICE
Components identified with the mark ⚠ have special characteristics for safety. When replacing any of these components, use only the same type.

NV-G10EV Mechanical Replacement Parts (A)....Added, (C)....Changed, (D)....Deleted

Ref. No.	NV-G10EG Parts No.	NV-G10EV Parts No.	Pcs/Set	Parts Name & Description	Remarks
185(5)	VYP1608	VYP1578	1	TOP PANEL UNIT (SILVER)	(C)
185(5)	VYP1609	VYP1580	1	TOP PANEL UNIT (BLACK)	(C)
186(5)	VSC1541	VSC1628	1	BCI SHIELD PLATE	(C)
187(5)	VHD0059	VHD0059	7→5	SCREW	(C)
192(5)	VHD0252	VHD0252	4→2	SCREW	(C)
192(5)	VHD0253	VHD0253	4→2	SCREW	(C)
204(5)	VSC1587	----------	1→0	POWER SHIELD PLATE	(D)
207(6)	VQF1703	VQF1704	1	FAN BAG KIT	(C) ⚠
211(6)	VPG2627	VPG2760	1	PACKING CASE (SILVER)	(C)
211(6)	VPG2628	VPG2761	1	PACKING CASE (BLACK)	(C)

Electrical Replacement Parts (A)....Added, (C)....Changed, (D)....Deleted

Ref. No.	NV-G10EO Parts No.	NV-G10EV Parts No.	Pcs/Set	Parts Name & Description	Remarks
	VEP01212B	VEP01243B	1	POWER TRANSFORMER C.B.A.	(C) ⚠
	VEP06333G	VEP06333AC	1	MAIN C.B.A.	(C) ⚠
	VEP07300D	VEP07323A	1	TIMER & CH SELECT C.B.A.	(C) Same as NV-G10EG
	VEP03293A	VEP03293B	1	INPUT SELECT C.B.A.	(C) Same as NV-G10EG
	----------	VEP07324A	0→1	VPS INTERFACE C.B.A.	(A) Same as NV-G10EG
T1101	VTP0178	VTP0187	1	POWER TRANSFORMER	(C) ⚠
F1102	XBA2C12TBOA	XBA2C20TBOA	1	FUSE 250V 20A	(C) ⚠
	VEP01243B	POWERTRANSFORMER C.B.A.			⚠
R1104	----------	ERDS2TJ100	0→1	RESISTOR	(A)
	----------	VSC1446	0→1	HEAT SINK	(A) For Q1101
	VEP06333AC	MAIN C.B.A.			⚠
	----------	VMZ0807	0→1	HEAT SINK BARRIER	(A) For IC1001

MODEL NO. :

This chart is described different part from the basic model NV-7EG/EO to the new model NV-G7EV.

IMPORTANT SAFETY NOTICE
Components identified with the mark ⚠ have special characteristics for safety. When replacing any of these components, use only the same type.

NV-G7EV Mechanical Replacement Parts (A)....Added, (C)....Changed, (D)....Deleted

Ref. No.	NV-G7EG Parts No.	NV-G7EV Parts No.	Pcs/Set	Parts Name & Description	Remarks
185(5)	VYP1608	VYP1578	1	TOP PANEL UNIT (SILVER)	(C)
185(5)	VYP1609	VYP1580	1	TOP PANEL UNIT (BLACK)	(C)
186(5)	VSC1541	VSC1628	1	BCI SHIELD PLATE	(C)
187(5)	VHD0059	VHD0059	7→5	SCREW	(C)
192(5)	VHD0252	VHD0252	4→2	SCREW	(C)
192(5)	VHD0253	VHD0253	4→2	SCREW	(C)
204(5)	VSC1587	----------	1→0	POWER SHIELD PLATE	(D)
207(6)	VQF1696	VQF1697	1	FAN BAG KIT	(C) ⚠
211(6)	VPG2616	VPG2762	1	PACKING CASE (SILVER)	(C)
211(6)	VPG2617	VPG2763	1	PACKING CASE (BLACK)	(C)

Electrical Replacement Parts (A)....Added, (C)....Changed, (D)....Deleted

Ref. No.	NV-G7EO Parts No.	NV-G7EV Parts No.	Pcs/Set	Parts Name & Description	Remarks
	VEP01212B	VEP01243B	1	POWER TRANSFORMER C.B.A.	(C) ⚠
	VEP06333N	VEP06333AE	1	MAIN C.B.A.	(C) ⚠
	VEP07300F	VEP07323B	1	TIMER & CH SELECT C.B.A.	(C) Same as NV-G7EG
	VEP03293A	VEP03293B	1	INPUT SELECT C.B.A.	(C) Same as NV-G7EG
	----------	VEP07324A	0→1	VPS INTERFACE C.B.A.	(A) Same as NV-G7EG
T1101	VTP0178	VTP0187	1	POWER TRANSFORMER	(C) ⚠
F1102	XBA2C12TBOA	XBA2C20TBOA	1	FUSE 250V 20A	(C) ⚠
	VEP01243B	POWER TRANSFORMER C.B.A.			⚠
R1104	----------	ERDS2TJ100	0→1	RESISTOR	(A)
	----------	VSC1446	0→1	HEAT SINK	(A) For Q1101
	VEP06333AC	MAIN C.B.A.			⚠
	----------	VMZ0807	0→1	HEAT SINK BARRIER	(A) For IC1001

10EV.

placing

Remarks
(C)
(C)
(C)
(C)
(C)
(C)
(D)
(C) ⚠
(C)
(C)

Remarks
(C) ⚠
(C) ⚠
(C) Same as NV-G10EG
(C) Same as NV-G10EG
(A) Same as NV-G10EG
(C) ⚠
(C) ⚠
⚠
(A)
(A) For Q1101
⚠
(A) For IC1001

MODEL NO. :

This chart is described different part from the basic model NV-7EG/EO to the new model NV-G7EV.

IMPORTANT SAFETY NOTICE
Components identified with the mark ⚠ have special characteristics for safety. When replacing any of these components, use only the same type.

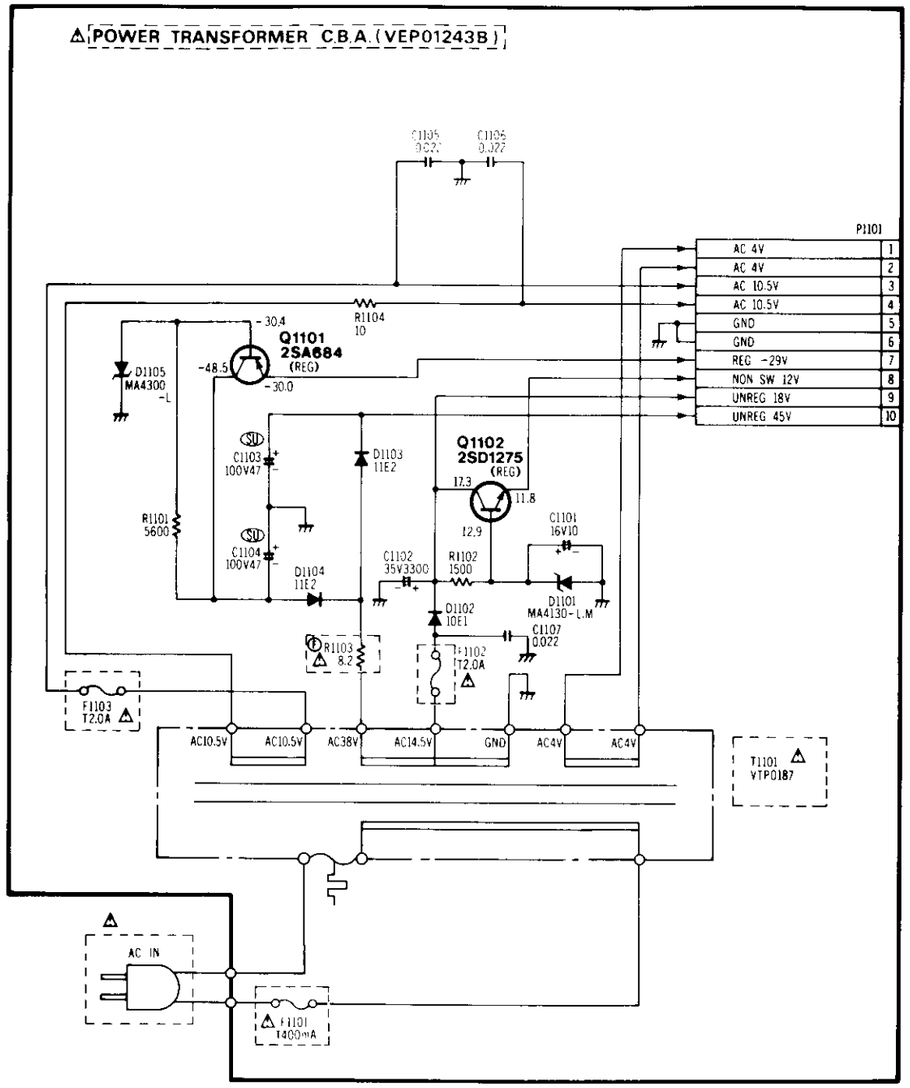
NV-G7EV Mechanical Replacement Parts (A)....Added, (C)....Changed, (D)....Deleted

Ref. No.	NV-G7EG Parts No.	NV-G7EV Parts No.	Pcs/Set	Parts Name & Description	Remarks
185(5)	VYP1608	VYP1578	1	TOP PANEL UNIT (SILVER)	(C)
185(5)	VYP1609	VYP1580	1	TOP PANEL UNIT (BLACK)	(C)
186(5)	VSC1541	VSC1628	1	BCI SHIELD PLATE	(C)
187(5)	VHD0059	VHD0059	7→5	SCREW	(C)
192(5)	VHD0252	VHD0252	4→2	SCREW	(C)
192(5)	VHD0253	VHD0253	4→2	SCREW	(C)
204(5)	VSC1587	----------	1→0	POWER SHIELD PLATE	(D)
207(6)	VQF1696	VQF1697	1	FAN BAG KIT	(C) ⚠
211(6)	VPG2616	VPG2762	1	PACKING CASE (SILVER)	(C)
211(6)	VPG2617	VPG2763	1	PACKING CASE (BLACK)	(C)

Electrical Replacement Parts (A)....Added, (C)....Changed, (D)....Deleted

Ref. No.	NV-G7EO Parts No.	NV-G7EV Parts No.	Pcs/Set	Parts Name & Description	Remarks
	VEP01212B	VEP01243B	1	POWER TRANSFORMER C.B.A.	(C) ⚠
	VEP06333N	VEP06333AE	1	MAIN C.B.A.	(C) ⚠
	VEP07300F	VEP07323B	1	TIMER & CH SELECT C.B.A.	(C) Same as NV-G7EG
	VEP03293A	VEP03293B	1	INPUT SELECT C.B.A.	(C) Same as NV-G7EG
	----------	VEP07324A	0→1	VPS INTERFACE C.B.A.	(A) Same as NV-G7EG
T1101	VTP0178	VTP0187	1	POWER TRANSFORMER	(C) ⚠
F1102	XBA2C12TBOA	XBA2C20TBOA	1	FUSE 250V 20A	(C) ⚠
	VEP01243B	POWER TRANSFORMER C.B.A.			⚠
R1104	----------	ERDS2TJ100	0→1	RESISTOR	(A)
	----------	VSC1446	0→1	HEAT SINK	(A) For Q1101
	VEP06333AC	MAIN C.B.A.			⚠
	----------	VMZ0807	0→1	HEAT SINK BARRIER	(A) For IC1001

2. POWER TRANSFORMER SCHEMATIC DIAGRAM

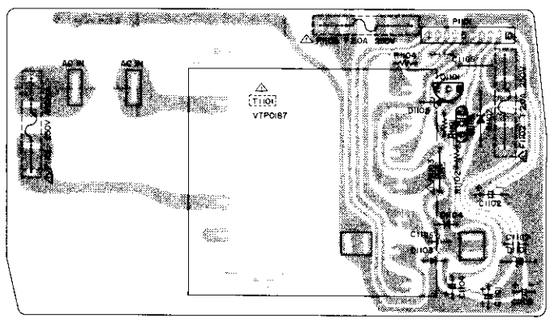


IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

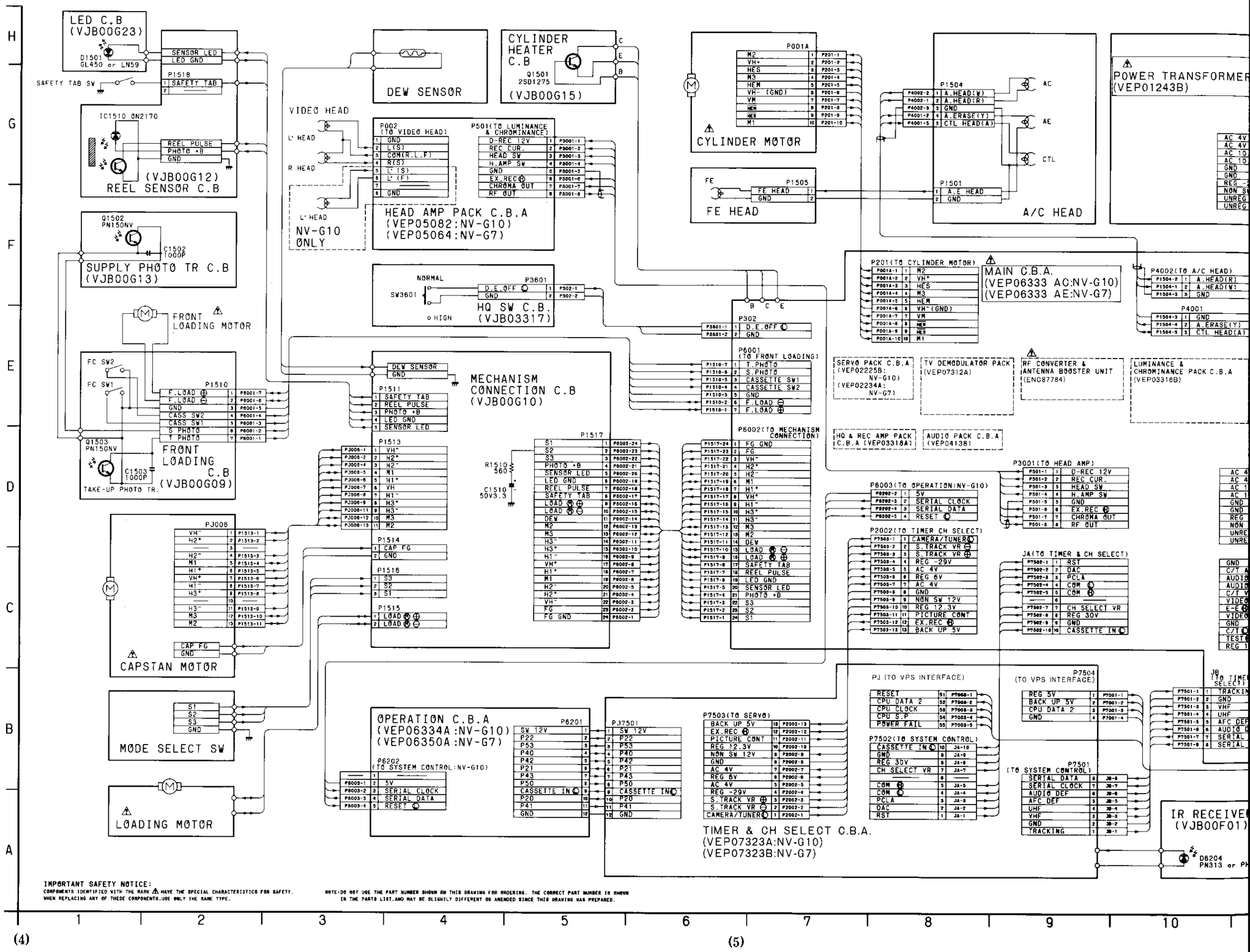
NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. FOR THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST. AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

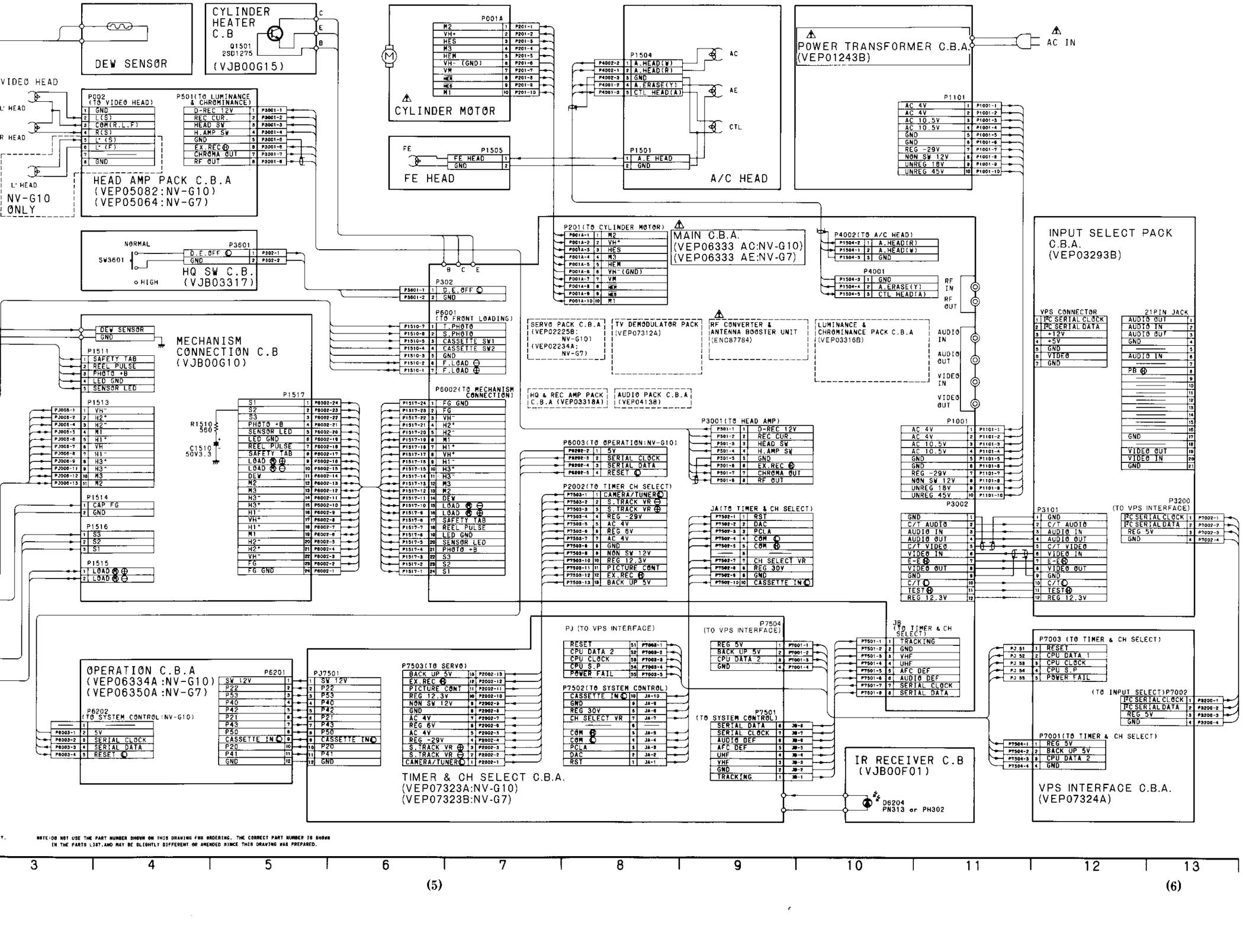
3. POWER TRANSFORMER CIRCUIT BOARD (VEP01243B)



4. INTERCONNECTION SCHEMATIC DIAGRAM



MATIC DIAGRAM



NOTE:DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST.AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

3 4 5 6 7 8 9 10 11 12 13

(5) (6)

5. ELECTRICAL REPLACEMENT PARTS LIST

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=uuF.
4. The P.C.Board units marked width'■'show below the main assembled parts.

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			THIS PARTS LIST CONTAINS		
			THE ELECTRICAL REPLACEMENT		
			PARTS DIFFERENT FROM THAT		
			OF NV-G10EO,NV-G7EO.		
		VEPO6333AC	MAIN C.B.A.	1	INCLUDING THE SERVO
			(POWER SUPPLY,SERVO,AUDIO,		PACK C.B.A.
			SYSTEM CONTROL,LUMINANCE &		(VEPO2225B),
			CHROMINANCE,TUNER,		LUMINANCE &
			TV DEMODULATOR)		CHROMINANCE PACK
					C.B.A.(VEPO3316A),
					AUDIO PACK C.B.A.
					(VEPO4138),
					TV DEMODULATOR PACK
					C.B.A.(VEPO7312A),
					REC AMP PACK C.B.A.
					(VEPO3318A).
					NV-G10EV <!>
		VEPO6333AE	MAIN C.B.A.	1	INCLUDING THE SERVO
			(POWER SUPPLY,SERVO,AUDIO,		PACK C.B.A.
			SYSTEM CONTROL,LUMINANCE &		(VEPO2234A),
			CHROMINANCE,TUNER,		LUMINANCE &
			TV DEMODULATOR)		CHROMINANCE PACK
					C.B.A.(VEPO3316B),
					AUDIO PACK C.B.A.
					(VEPO4138),
					TV DEMODULATOR PACK
					C.B.A.(VEPO7312A),
					REC AMP PACK C.B.A.
					(VEPO3318A).
					NV-G7EV <!>
		VEPO1243B	POWER TRANSFORMER C.B.A.	1	<!>
T1101		VTPO187	POWER TRANSFORMER	1	<!>
F1102		XBA2C20TBOA	FUSE 250V 20A	1	<!>
	■	VEPO6333AC	MAIN C.B.A.		INCLUDING THE
	■	VEPO6333AE	(POWER SUPPLY,SERVO,AUDIO,		SERVO PACK C.B.A.
			SYSTEM CONTROL,LUMINANCE &		(VEPO2225B,VEPO2234A)
			CHROMINANCE,TUNER,TV		,LUMINANCE &
			DEMODULATOR)		CHROMINANCE PACK

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
					(VEPO3316B)
					AUDIO PACK C.B.A.
					(VEPO4138),
					TV DEMODULATOR PACK
					C.B.A.(VEPO7312A)
			(POWER SUPPLY SECTION)		REC AMP PACK C.B.A.
					(VEPO3318A) <!>
			INTEGRATED CIRCUIT		
IC1001		STK5331		1	
			TRANSISTOR		
Q1001		2SC1384		1	(R)
			DIODES		
D1001		ERA15-01		1	
D1002		ERA15-01		1	
D1003		ERA15-01		1	
D1004		ERA15-01		1	
D1005		ERA15-01		1	
D1006		MA165		1	OR 1SS133,1SS119
			RESISTORS		
R1001		ERG12ANJ182	METAL 1/2W 1.8K	1	
R1002		ERDS2TJ682	6.8K	1	
R1003		ERDS2TJ103	10K	1	
R1004		ERDS2TJ562	5.6K	1	
			CAPACITORS		
C1001		ECEA1EU332	ELECTROLYTIC 25V 3300	1	
C1002		ECEA1VU101	ELECTROLYTIC 35V 100	1	
			CONNECTOR		
P1001		VJP1261	10P	1	
			(SERVO SECTION)		
			INTEGRATED CIRCUIT		
IC2001		AN3821K		1	
			COMBINATION PARTS		
			(TRANSISTOR & RESISTOR)		
QR2001		DTC144EA		1	OR UN1213
QR2002		DTA144EA		1	OR UN1113
			DIODE		
D2001		MA165		1	OR 1SS133,1SS119
			RESISTORS		
R2004		EROS2CKG1203	METAL 120K	1	
R2005		ERDS2TJ102	1K	1	
R2006		ERX12SJR82	METAL 1/2W 0.82	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R2007	ERDS2TJ224	220K	1	
R2008	ERDS2TJ224	220K	1	
R2209	ERDS2TJ224	220K	1	
R2010	EROS2CKG2201	METAL 2.2K	1	
R2011	EROS2CKG1302	METAL 1.3K	1	
R2012	ERQ12HJ6R8P	FUSE 1/2W 6.8	1	<!>
R2013	ERDS2TJ181	180	1	
R2014	ERDS2TJ473	47K	1	
R2017	ERDS2TJ222	2.2K	1	
R2021	ERDS2TJ561	560	1	
R2022	ERDS2TJ101	100	1	NV-G10EV
		VARIABLE RESISTORS		
VR2001	EVN61AA00B54	50K	1	
VR2002	EVN61AA00B15	100K	1	
VR2011	EVN61AA00B15	100K	1	NV-G10EV
		CAPACITORS		
C2001	ECEA1VU4R7	ELECTROLYTIC 35V 4.7	1	
C2002	ECEA1VU4R7	ELECTROLYTIC 35V 4.7	1	
C2003	ECEA1VU4R7	ELECTROLYTIC 35V 4.7	1	
C2004	ECQB1H822KH	MYLAR 50V 8200P	1	
C2005	ECQB1H822KH	MYLAR 50V 8200P	1	
C2006	ECQB1H822KH	MYLAR 50V 8200P	1	
C2007	ECQV1H104JZ	MYLAR 50V 0.1	1	
C2008	ECEA1HK010	ELECTROLYTIC 50V 1	1	
C2009	ECEA1HK0R1	ELECTROLYTIC 50V 0.1	1	
C2010	ECEA0JK470	ELECTROLYTIC 6.3V 47	1	
C2011	ECKF1H103ZF	CERAMIC 50V 0.01	1	
		FUSE		
F2001	VSF0043	THERMAL FUSE	1	<!>
		CONNECTOR		
P2002	VJS1475	13P	1	
		(AUDIO SECTION)		
		RESISTORS		
R4001	ERDS2TJ100	10	1	
R4002	ERDS2TJ333	33K	1	
R4005	ERDS2TJ183	18K	1	
R4006	ERDS2TJ222	2.2K	1	
		VARIABLE RESISTORS		
VR4001	EVN61AA00B13	1K	1	
VR4002	EVN61AA00B25	200K	1	
		CAPACITORS		
C4001	ECKF1H103ZF	CERAMIC 50V 0.01	1	
C4002	ECKF1H472ZF	CERAMIC 50V 4700P	1	
C4101	ECKF1H471KB	CERAMIC 50V 470P	1	
		CONNECTORS		
P4001	VJP1254	3P	1	
P4002	VJP1254	3P	1	
		(SYSTEM CONTROL SECTION)		

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
		INTEGRATED CIRCUITS		
IC6001	MN15342VQH		1	NV-G10EV
IC6001	MN15342VDC		1	NV-G7EV
IC6002	AN6914		1	OR uPC393C
IC6003	BA6248		1	OR M54649L
IC6004	MN1280R		1	
		TRANSISTORS		
Q6002	2SD636		1	(Q,R,S) OR 2SC2021M
Q6004	2SD638		1	(S) OR 2SD1458
Q6005	2SB790		1	(Q,R,S)
Q6006	2SB790		1	(Q,R,S)
Q6007	2SD636		1	(Q,R,S) OR 2SC2021M
		COMBINATION PARTS (TRANSISTOR & RESISTOR)		
QR6001	DTC114EA		1	OR UN1211
QR6002	DTC124EA		1	OR UN1212
QR6003	DTA124EA		1	OR UN1112
QR6005	DTC114EA		1	OR UN1211
		DIODES		
D6001	MA165		1	OR 1SS133,1SS119
D6005	MA165		1	OR 1SS133,1SS119
D6007	ERA15-01		1	
D6008	MA165		1	OR 1SS133,1SS119
D6009	MA165		1	OR 1SS133,1SS119
D6011	MA165		1	OR 1SS133,1SS119
		RESISTORS		
R6001	ERDS2TJ683	68K	1	
R6002	ERDS2TJ103	10K	1	
R6003	ERDS2TJ184	180K	1	
R6004	ERDS2TJ223	22K	1	
R6005	ERDS2TJ223	22K	1	
R6006	ERDS2TJ223	22K	1	
R6007	ERDS2TJ824	820K	1	
R6008	ERDS2TJ105	1M	1	
R6009	ERDS2TJ122	1.2K	1	
R6010	ERDS2TJ181	180	1	
R6011	ERDS2TJ152	1.5K	1	
R6012	ERDS2TJ221	220	1	
R6013	ERDS2TJ223	22K	1	
R6014	ERDS2TJ563	56K	1	
R6015	ERDS2TJ221	220	1	
R6017	ERDS2TJ153	15K	1	
R6018	ERDS2TJ153	15K	1	
R6019	ERDS2TJ562	5.6K	1	
R6020	ERDS2TJ562	5.6K	1	
R6021	ERDS2TJ562	5.6K	1	
R6022	ERDS2TJ103	10K	1	
R6023	ERDS2TJ332	3.3K	1	
R6024	ERDS2TJ391	390	1	
R6025	ERDS2TJ103	10K	1	
R6027	ERDS2TJ101	100	1	
R6030	ERDS2TJ681	680	1	
R6031	ERDS2TJ332	3.3K	1	
R6032	ERDS2TJ681	680	1	
R6034	ERD2FCG180	FUSE 18	1	<!>
R6038	ERDS2TJ562	5.6K	1	
R6039	ERDS2TJ332	3.3K	1	
R6041	ERDS2TJ152	1.5K	1	
R6043	ERDS2TJ103	10K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R6044		ERDS2TJ472	4.7K	1	
R6045		ERDS2TJ472	4.7K	1	
R6046		ERDS2TJ562	5.6K	1	
R6049		ERDS2TJ103	10K	1	
R6053		ERDS1VJ470	47	1	
R6054		ERDS2TJ101	100	1	
R6055		ERDS2TJ561	100	1	
R6056		ERDS2TJ101	100	1	
R6057		ERDS2TJ561	100	1	
R6058		ERDS2TJ561	560	1	
R6059		ERDS2TJ222	2.2K	1	
R6060		ERDS2TJ222	2.2K	1	
R6061		ERDS2TJ222	2.2K	1	
			CAPACITORS		
C6002		ECEA0JK101	ELECTROLYTIC 6.3V 100	1	
C6003		ECKF1H681KB	CERAMIC 50V 680P	1	
C6004		ECEA0JK470	ELECTROLYTIC 6.3V 47	1	
C6005		ECEA0JK470	ELECTROLYTIC 6.3V 47	1	
C6006		VCYD1C104MR1	SEMICONDUCTOR 16V 0.1	1	
C6007		ECCF1H330JC	CERAMIC 50V 33P	1	
C6008		ECCF1H330JC	CERAMIC 50V 33P	1	
C6009		ECEA1HKN010	ELECTROLYTIC 50V 1	1	
C6010		ECEA1HKN010	ELECTROLYTIC 50V 1	1	
C6011		ECEA1HK2R2	ELECTROLYTIC 50V 2.2	1	
C6013		ECKF1H221KB	CERAMIC 50V 220	1	
C6014		ECEA1HKN2R2	ELECTROLYTIC 50V 2.2	1	
C6015		ECEA50Z2R2	ELECTROLYTIC 50V 2.2	1	
C6016		ECEA50Z3R3	ELECTROLYTIC 50V 3.3	1	
			CRYSTAL OSCILLATORS		
X6001		VSX0082		1	
			CONNECTORS		
P6001		VJS1465	7P	1	
P6002		VJS1444	24P	1	
P6003		VJP1255	4P	1	NV-G10EV
			(LUMINANCE & CHROMINANCE		
			SECTION)		
			TRANSISTORS		
Q3001		2SB641		1	(Q,R,S) OR 2SA937M
Q8001		2SD636		1	(Q,R,S) OR 2SC2021M
			COMBINATION PARTS		
			(TRANSISTOR & RESISTOR)		
QR8001		DTC124EA		1	OR UN1212
			DIODE		
D3004		MA165		1	OR 1SS133,1SS119
			RESISTORS		
R3004		ERDS2TJ750	75	1	
R3005		ERDS2TJ750	75	1	
R3006		ERDS2TJ561	560	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R3023		ERDS2TJ392	3.9K	1	
R3024		ERDS2TJ334	330K	1	
R3031		ERDS2TJ750	75	1	
R8001		ERDS2TJ102	1K	1	
R8002		ERDS2TJ221	220	1	
R8003		ERDS2TJ822	8.2K	1	
R8004		ERDS2TJ821	820	1	
			VARIABLE RESISTORS		
VR3001		EVN61AA00B23	2K	1	
VR3051		EVN61AA00B22	200	1	
			CAPACITORS		
C3002		ECEA0JU471	ELECTROLYTIC 6.3V 470	1	
C3003		ECEA1CU470	ELECTROLYTIC 16V 47	1	
C3005		VCYD1C104MR1	SEMICONDUCTOR 16V 0.1	1	
C3017		ECCF1H100DC	CERAMIC 50V 10P	1	
C3019		ECEA1CK100	ELECTROLYTIC 16V 10	1	
C8001		ECEA0JK470	ELECTROLYTIC 6.3V 47	1	
C8002		ECKF1H103ZF	CERAMIC 50V 0.01	1	
C8003		ECKF1H103ZF	CERAMIC 50V 0.01	1	
			COILS		
L3003		VLQEL05F101K	100uH	1	
L3007		VLQEL05F1R0K	1uH	1	
			CONNECTOR		
P3001		VJS1235T	8P	1	
P3002		VJP1263	12P	1	
			(TUNER SECTION)		
			INTEGRATED CIRCUIT		
IC7551		AN5033		1	
			TRANSISTORS		
Q7551		2SB644		1	(R,S,T)
Q7552		2SB644		1	(R,S,T)
			COMBINATION PARTS		
			(TRANSISTORS & RESISTOR)		
QR7551		DTC114EA		1	OR UN1211
			DIODES		
D7551		MA165		1	OR 1SS133,1SS119
D7554		LN28WPVT	LED	1	
D7555		MA27WB		1	
D7556		MA165		1	OR 1SS133,1SS119
D7557		MA165		1	OR 1SS133,1SS119
			RESISTORS		
R7551		ERDS2TJ104	100K	1	
R7552		ERDS2TJ332	3.3K	1	
R7553		ERDS2TJ332	3.3K	1	
R7554		ERDS2TJ102	1K	1	
R7555		ERDS2TJ102	1K	1	
R7556		ERDS2TJ473	47K	1	
R7557		ERDS2TJ124	120K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R7558		ERDS2TJ104	100K	1	
R7559		ERDS2TJ473	47K	1	
R7560		ERDS2TJ473	47K	1	
R7561		ERDS2TJ223	22K	1	
R7562		ERDS2TJ332	3.3K	1	
R7563		ERDS2TJ332	3.3K	1	
R7564		ERDS2TJ332	3.3K	1	
R7565		ERDS2TJ222	2.2K	1	
R7566		ERDS2TJ334	330K	1	
R7567		ERDS2TJ104	100K	1	
R7568		ERDS2TJ103	10K	1	
R7571		ERDS2TJ102	1K	1	
R7572		ERDS2TJ473	47K	1	
R7573		ERDS2TJ820	82	1	
R7574		ERDS2TJ333	33K	1	
R7575		ERDS2TJ273	27K	1	
R7576		ERDS2TJ390	39	1	
		VARIABLE RESISTOR			
VR7502		EVN61AA00B14	10K	1	
		CAPACITORS			
C7518		VCE0017		1	
C7551		ECQV1H104JZ	MYLAR 50V 0.1	1	
C7552		ECEA1CK100	ELECTROLYTIC 16V 10	1	
C7553		ECEA1HK010	ELECTROLYTIC 50V 1	1	
C7554		ECEA1HK220	ELECTROLYTIC 50V 22	1	
C7555		ECQB1H273JH	MYLAR 50V 0.027	1	
C7556		ECQV1H823JZ	MYLAR 50V 0.082	1	
C7557		ECQV1H683JZ	MYLAR 50V 0.068	1	
C7558		ECKF1H103ZF	CERAMIC 50V 0.01	1	
C7559		ECQV1H104JZ	MYLAR 50V 0.1	1	
C7560		ECKF1H103ZF	CERAMIC 50V 0.01	1	
C7561		ECKF1H103ZF	CERAMIC 50V 0.01	1	
C7562		ECEA2AU100	ELECTROLYTIC 100V 10	1	
C7563		ECEA1HKN010	ELECTROLYTIC 50V 1	1	
C7564		ECKF1H102KB	CERAMIC 50V 1000P	1	
C7565		ECKF1H102KB	CERAMIC 50V 1000P	1	
C7566		ECEA1HK010	ELECTROLYTIC 50V 1	1	
C7567		ECKF1H103ZF	CERAMIC 50V 0.01	1	
		COILS			
L7551		VLQEL05F102K	1mH	1	
		(TV DEMODULATOR SECTION)			
		RESISTORS			
R701		ERDS2TJ123	12K	1	
R702		ERDS2TJ392	3.9K	1	
R703		ERDS2TJ562	5.6K	1	
R704		ERDS2TJ562	5.6K	1	
R707		ERDS2TJ103	10K	1	
R708		ERDS2TJ221	220	1	
		CAPACITORS			
C701		ECEA1CK220	ELECTROLYTIC 16V 22	1	
C702		ECEA1EK4R7	ELECTROLYTIC 25V 4.7	1	
C705		ECEA1CKS220	ELECTROLYTIC 16V 22	1	
C706		ECQV1H823JZ	MYLAR 50V 0.082	1	
C707		ECEA1HKS010	ELECTROLYTIC 50V 1	1	
C708		ECEA1CKS220	ELECTROLYTIC 16V 22	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C709		ECKF1H103ZF	CERAMIC 50V 0.01	1	
			COILS		
L701		VLQEL05F680K	68uH	1	OR ELESK680KA
L762		VLQEL05F221K	220uH	1	
L791		VLQEL05F221K	220uH	1	
			MISCELLANEOUS		
		VSC1695	HEAT SINK	1	FOR IC1001
		VMZ0807	HEAT SINK BARRIER	1	FOR IC1001
		VSC1446	HEAT SINK	1	FOR Q1001
		VMC0075	HEAT SINK SPRING	1	FOR IC2001
		VMC0105	SUPPORT ANGLE	1	FOR IC2001
		VSC1689	HEAT SINK	1	FOR IC2001
		VJF0365	SERVO C.B.A. SUPPORT ANGLE	1	
		VJF0331	CLAMPER	1	
		VJF0045	CLAMPER	1	
		VMP0848	EARTH ANGLE	1	
		VJF0330	BINDER	2	
		VJF0215	BINDER	1	
	■	VEP01243B	POWER TRANSFORMER C.B.A.		<!>
			TRANSISTORS		
Q1101		2SA684		1	
Q1102		2SD1275		1	
			DIODES		
D1101		MA4130M		1	
D1102		10E1		1	
D1103		11E2		1	
D1104		11E2		1	
D1105		MA4300L		1	
			RESISTORS		
R1101		ERDS2TJ562	5.6K	1	
R1102		ERDS2TJ152	1.5K	1	
R1103		ERD2FCJ8R2	FUSE 8.2	1	<!>
R1104		ERDS2TJ100	10	1	
			CAPACITORS		
C1101		ECEA1CK100	ELECTOROLYTIC 16V 10	1	
C1102		ECEA1VU332	ELECTOROLYTIC 16V 3300	1	
C1103		ECEA2AU470	ELECTOROLYTIC 16V 47	1	
C1104		ECEA2AU470	ELECTOROLYTIC 16V 47	1	
C1105		ECKF1H223ZF	CERAMIC 50V 0.022	1	
C1106		ECKF1H223ZF	CERAMIC 50V 0.022	1	
C1107		ECKF1H223ZF	CERAMIC 50V 0.022	1	
			CONNECTOR		
P1101		VJP1250T	10P	1	
			MISCELLANEOUS		
		SJT777	AC CORD CLAMPER	2	<!>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		TJC6320	FUSE HOLDER	6	<!>
		VMP0818	EARTH SPRING	1	
		VMP0856	EARTH ANGLE	1	
		VSC1446	HEAT SINK	1	FOR Q1101