# SERVICE MANUAL

# TC-511B,S

## STEREO CASSETTE DECK

SINCE 1887 YAMAHA

NIPPON GAKKI CO., LTD. HAMAMATSU, JAPAN

Printed in Japan 10·76

# CONTENTS



# SPECIFICATIONS

| | |
|---|---|
| Recording System | 4 track, 2-channel stereo |
| Tape Speed | 4.8 cm/sec (1-7/8 ips) |
| Wow & Flutter | Less than 0.07% (W.R.M.S) |
| Fast wind, Rewind Time | Within 90 sec (C-60 Tape) |
| Frequency Response | 30 ~ 13,000 Hz (LH Tape)<br>30 ~ 15,000 Hz (FeCr Tape) |
| Input Sensitivity/Impedance | Line: 50 mV/100 KΩ<br>Mic: 0.5 mV/5 KΩ |
| Signal-to-Noise Ratio | Dolby off: Better than 53 dB (LH Tape)<br>on: 8 dB (Better than 5 KHz) |
| Total Distortion | Less than 1.5%<br>(1 KHz, 0VU, LH Tape) |
| Bias Frequency | 85 KHz |
| Channel Separation | Better than 30 dB (1 KHz) |
| Output Level/Impedance | Line: 370 mV/50 KΩ (0VU)<br>Phone: 1.6 mV/8Ω (0VU)<br>5 mV/150Ω |
| Semiconductors | 18 Transistors, 4 IC, 21 Diodes |
| Power Consumption | 12W |
| Power Source | AC 110 ~ 240V, 50/60 Hz |
| Dimensions (WxHxD) | 435(W) x 160(H) x 334(D) mm<br>(110.8" x 40.7" x 85") |
| Weight | 8 Kg.<br>3.65lbs |

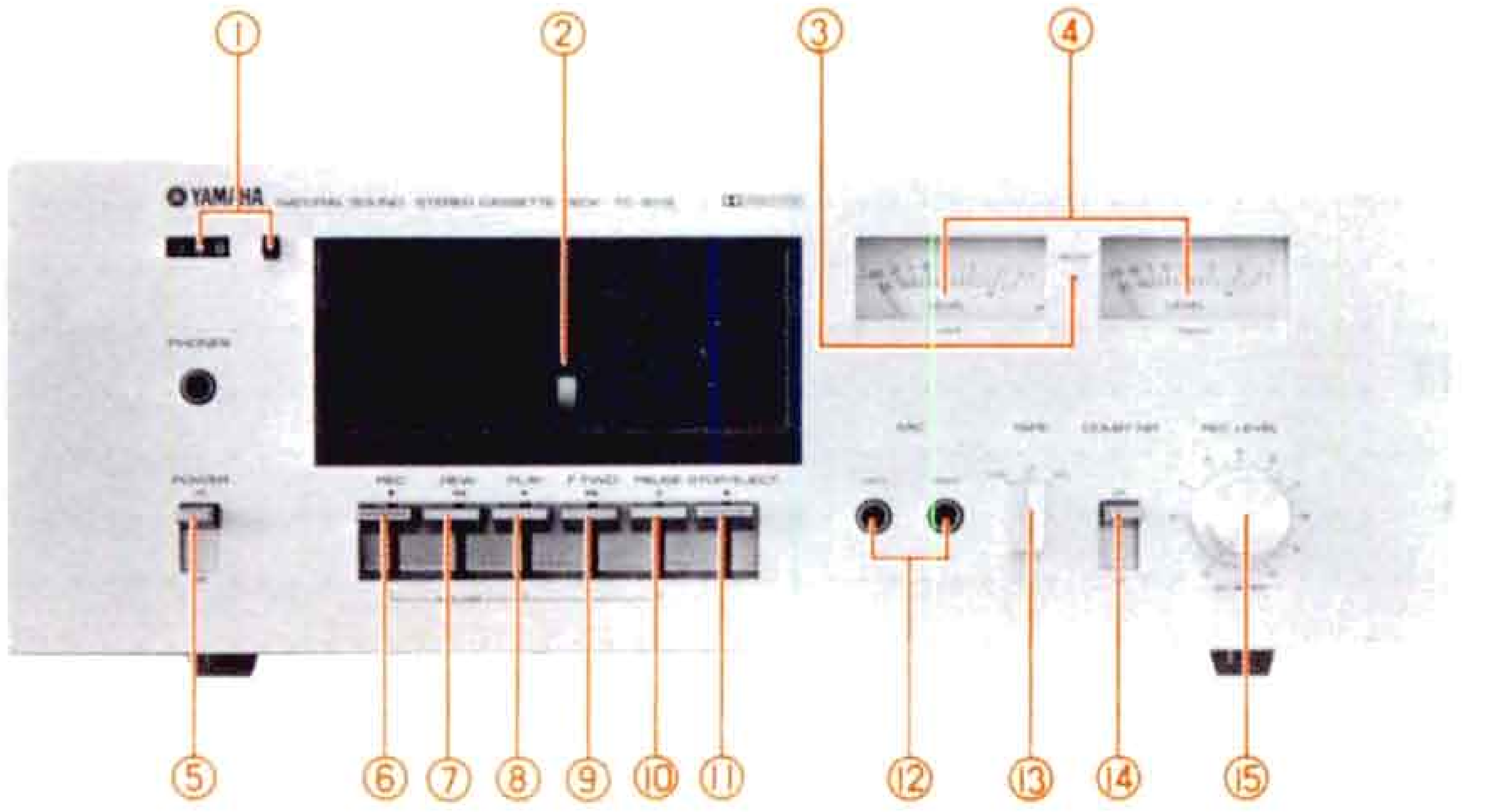
- TC-511B is not different from TC-511S except external view of front panel.

Specifications subject to change without notice.

# COMPONENTS LOCATION

## FRONT PANEL

TC-511S

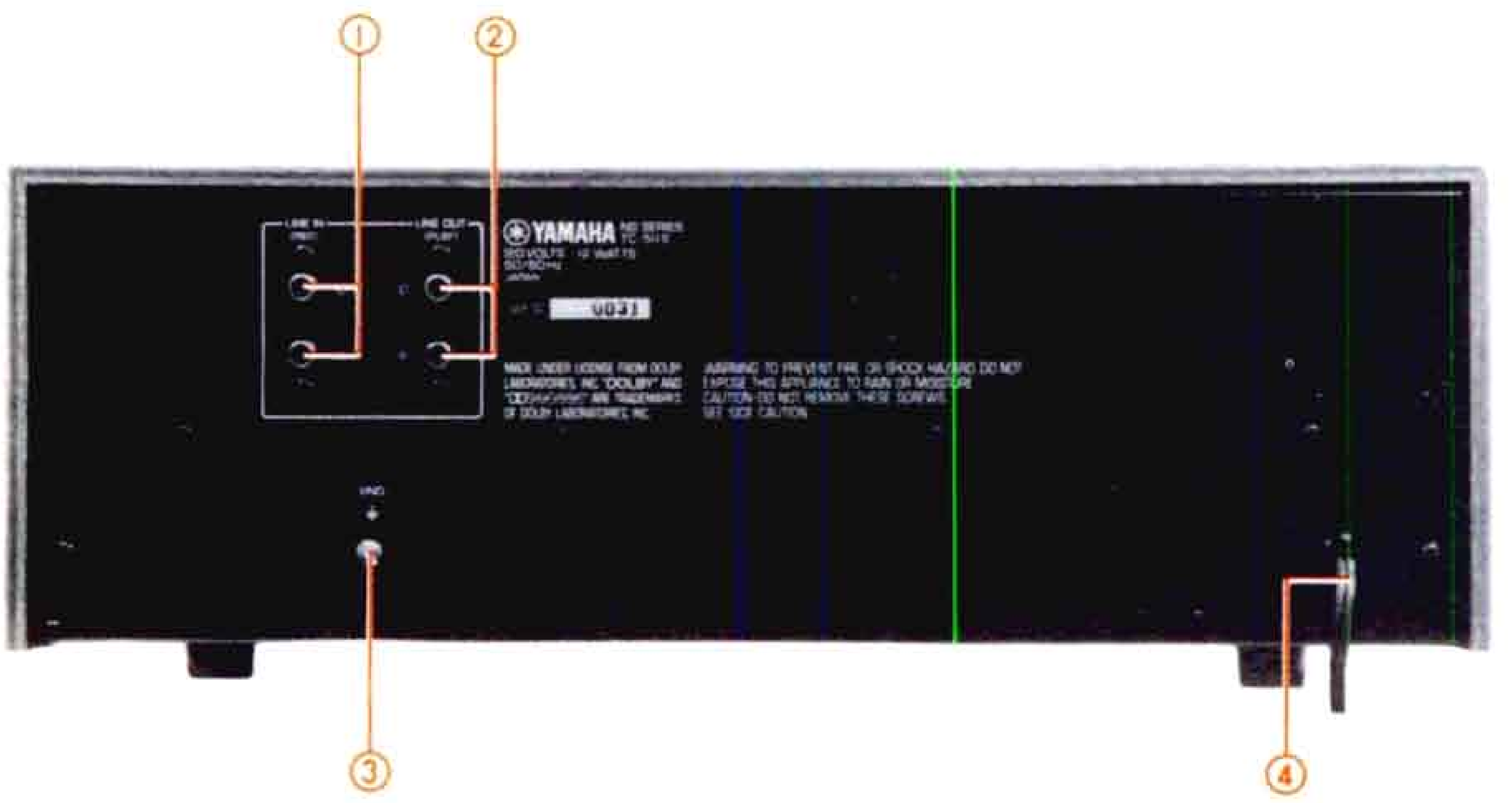



1. TAPE COUNTER/RESET BUTTON
2. CASSETTE DOOR
3. RECORD INDICATOR
4. LEVEL METERS
5. HEADPHONE JACK
6. POWER SWITCH
7. RECORD BUTTON ( ● )
8. REWIND BUTTON ( ◀◀ )
9. PLAY BUTTON ( ▶ )
10. FAST FORWARD BUTTON ( ▶▶ )
11. PAUSE BUTTON (II)
12. STOP/EJECT BUTTON ( ■ )
13. MICROPHONE INPUT JACKS
14. TAPE SELECTOR SWITCH
15. DOLBY NR SWITCH
16. REC LEVEL CONTROL

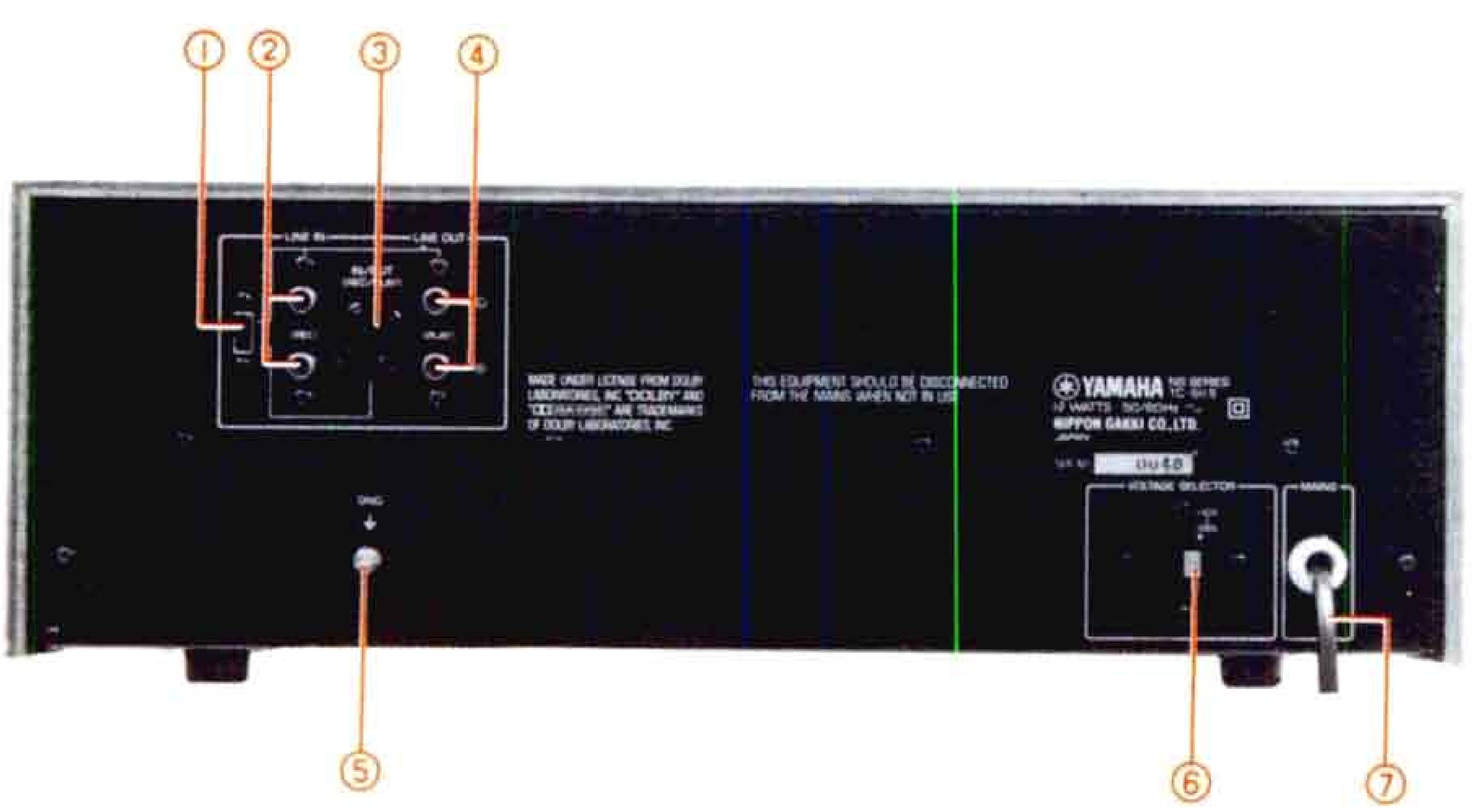
## REAR PANEL

U.S. & CANADIAN MODELS

1. LINE INPUT JACKS
2. LINE OUTPUT JACKS
3. GROUND TERMINAL
4. AC CORD

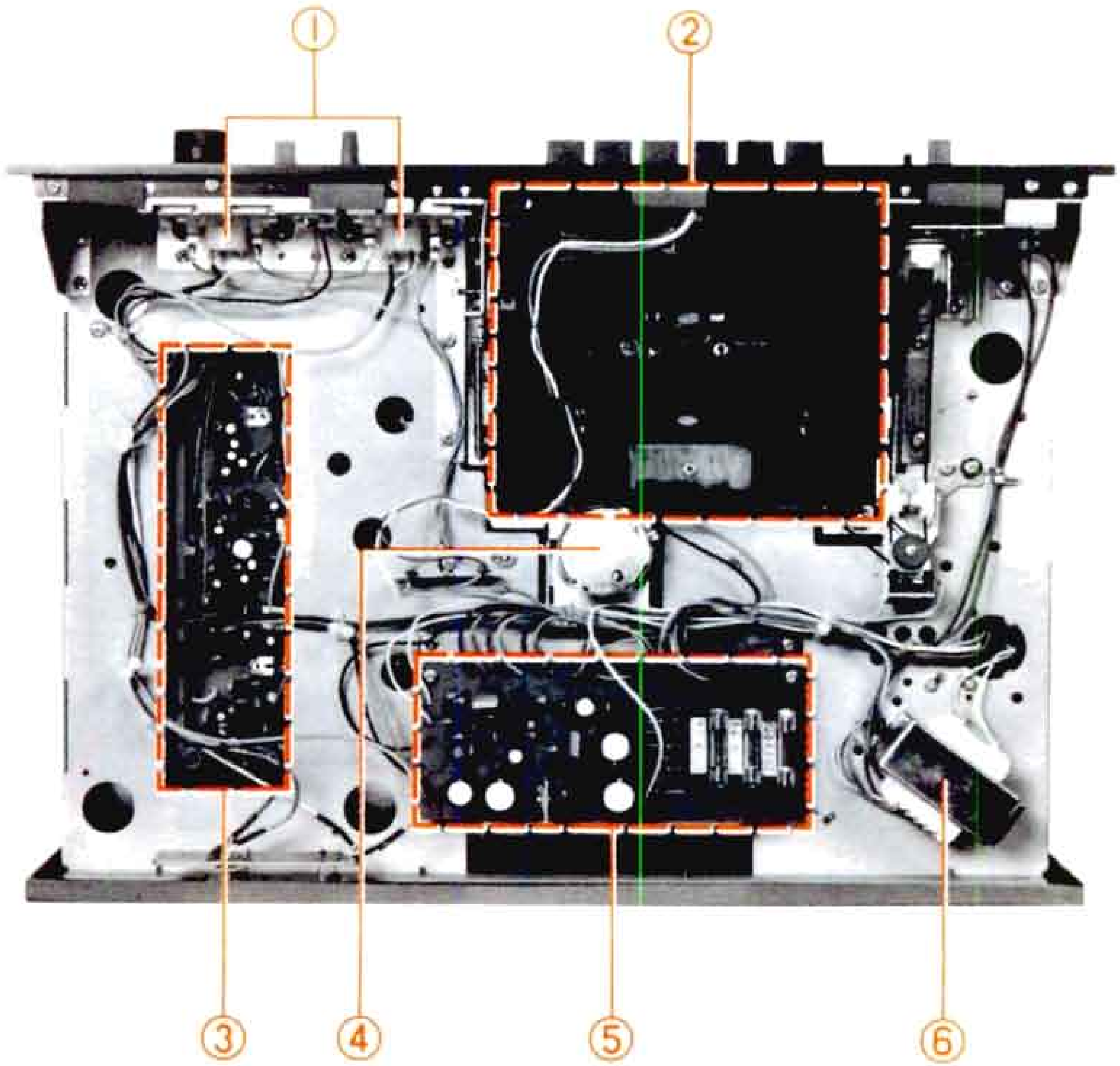



EUROPEAN MODEL



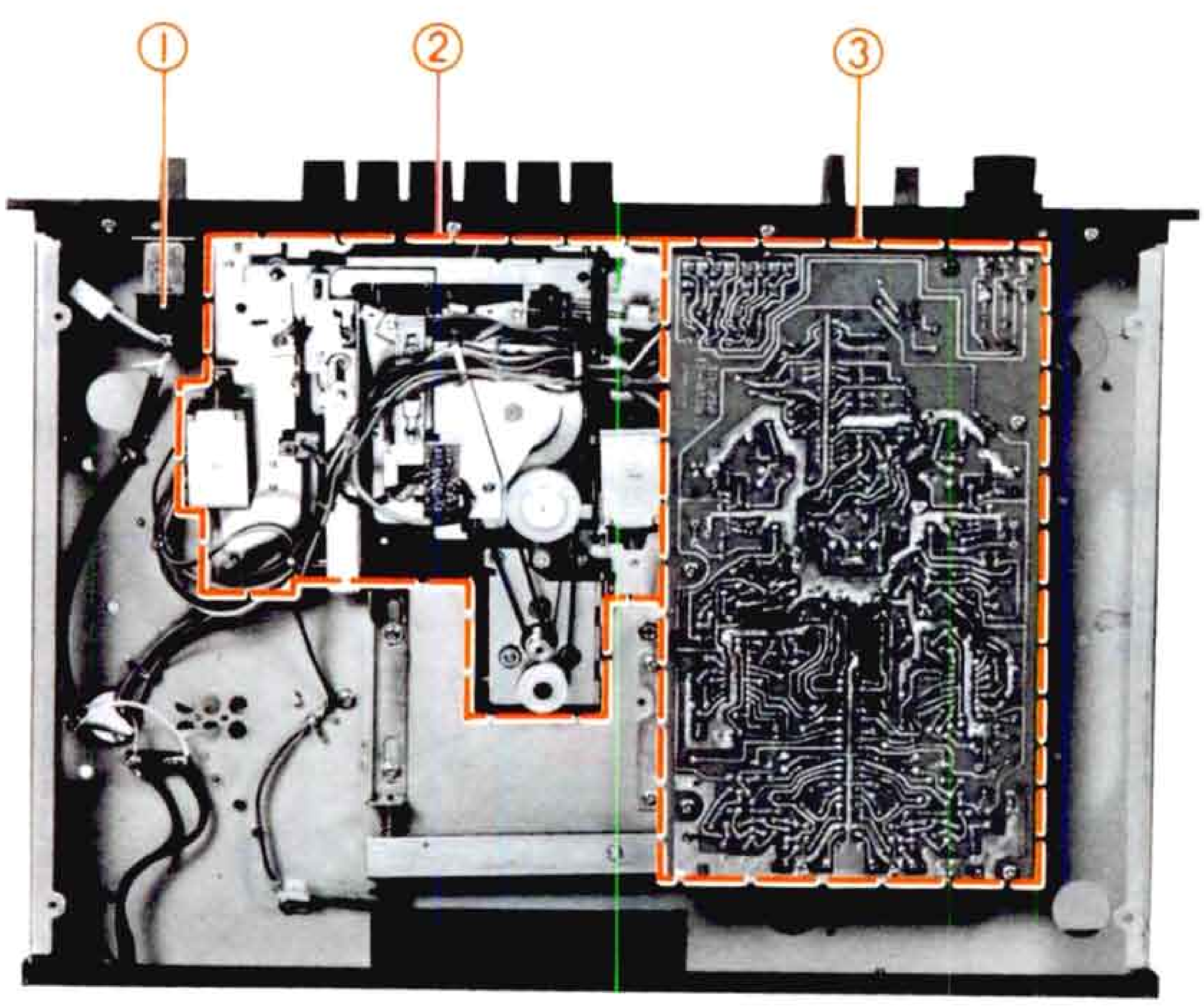

1. INPUT SELECTOR SWITCH ECTOR
2. LINE INPUT JACKS
3. DIN CONNECTOR
4. LINE OUTPUT JACKS
5. GROUND TERMINAL
6. VOLTAGE SELECTOR
7. AC CORD

**TOP VIEW**




1. LEVEL METERS
2. CASSETTE CASE
3. REC/PB CIRCUIT BOARD
4. MOTOR
5. POWER CIRCUIT BOARD
6. POWER TRANSFORMER

**BOTTOM VIEW**




1. POWER SWITCH
2. TAPE MECHANISM
3. REC/PB CIRCUIT BOARD

## 1. HOW TO REMOVE THE TOP COVER

a) Loosen the left and right screws circled in Photo 1, and then remove the upper panel.

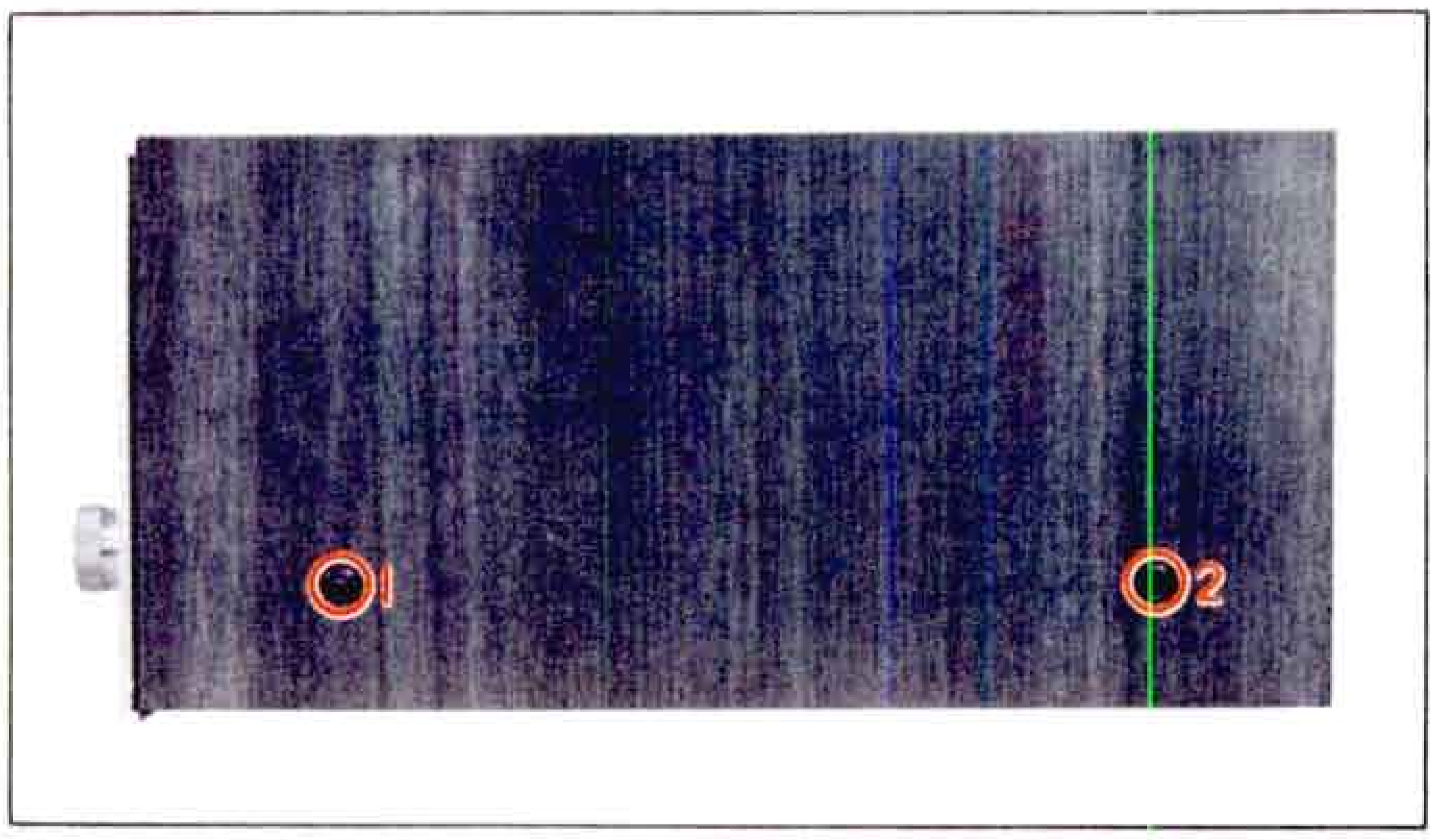



*Photo 1*

## 2. HOW TO REMOVE THE BOTTOM COVER

a) Loosen the screws (1) to (5) shown in Photo 2, and then remove the bottom panel.

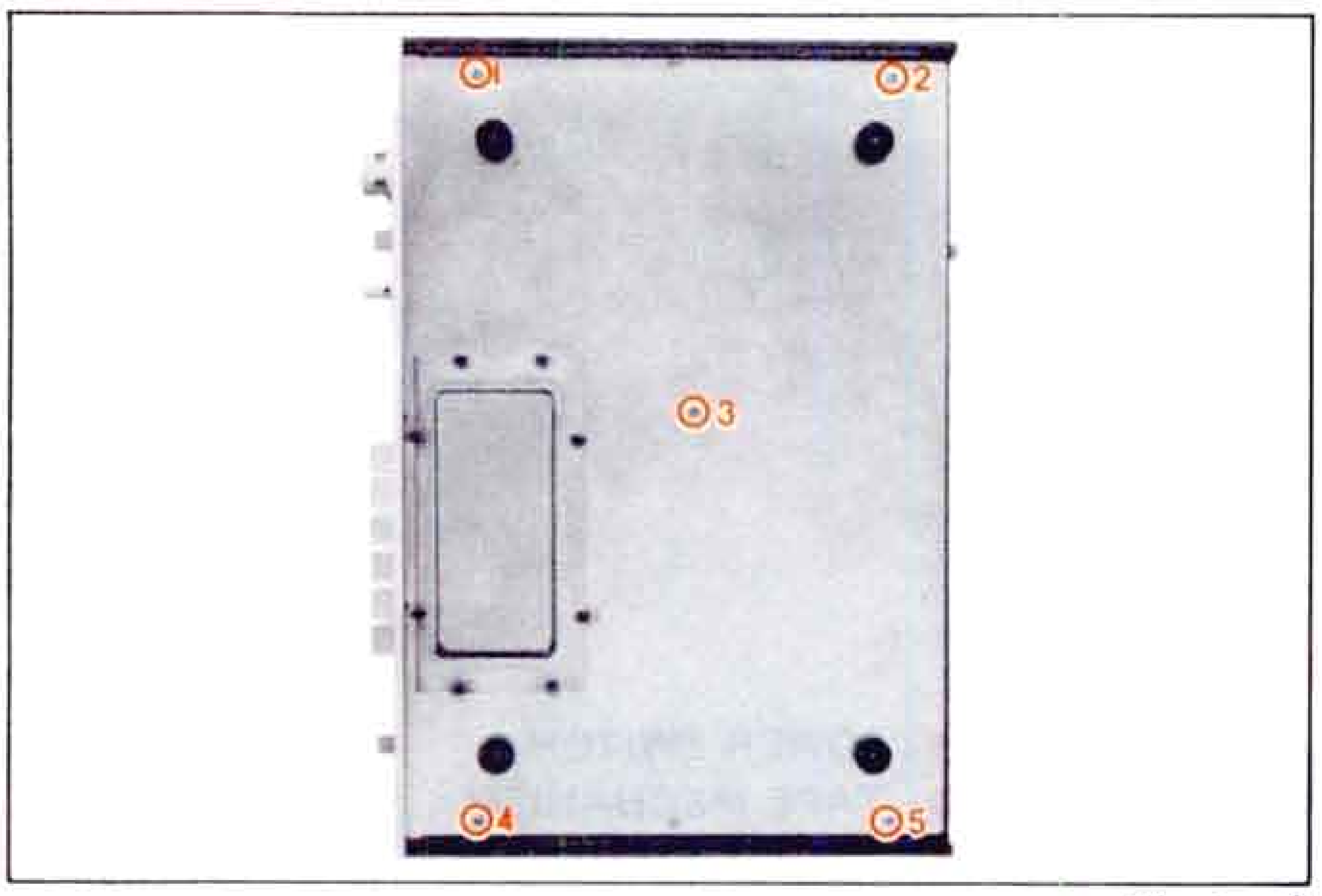



*Photo 2*

## 3. HOW TO REMOVE THE FRONT PANEL

a) Remove the top and bottom covers according to the procedures 1 and 2.

b) Then, remove the TAPE and REC LEVEL knobs shown in Photo 3. (To loosen the screws of the TAPE knob, use a hexagonal wrench.)


*Photo 3*

c) Loosen the screws (1) to (8) shown in Photo 4 and those (1) to (4) in Photo 5, and then take out the front panel to this side.

- Take much care not to scratch the acryl-coated area when the front panel is removed. The spring of the cassette door is easily detached itself.

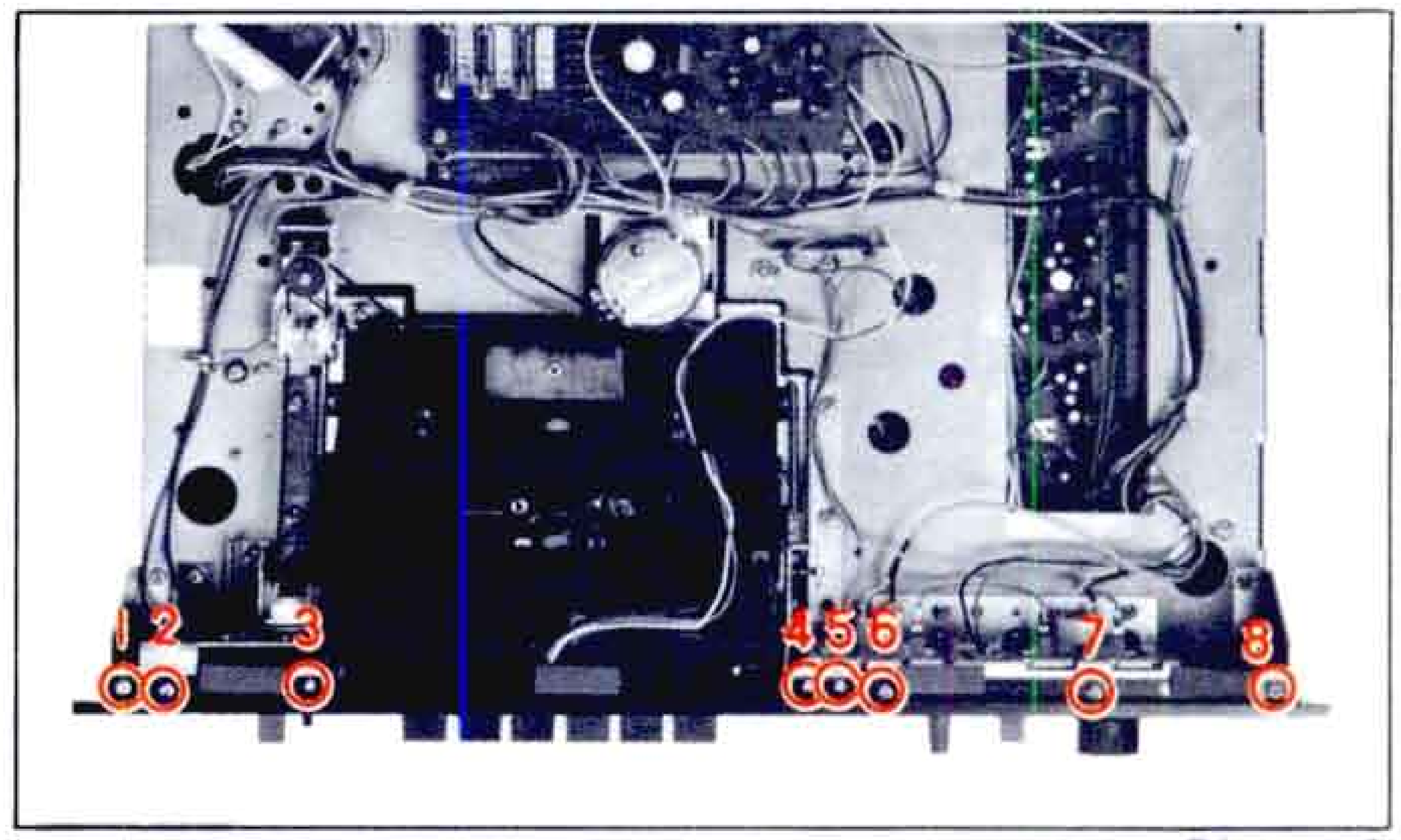



*Photo 4*

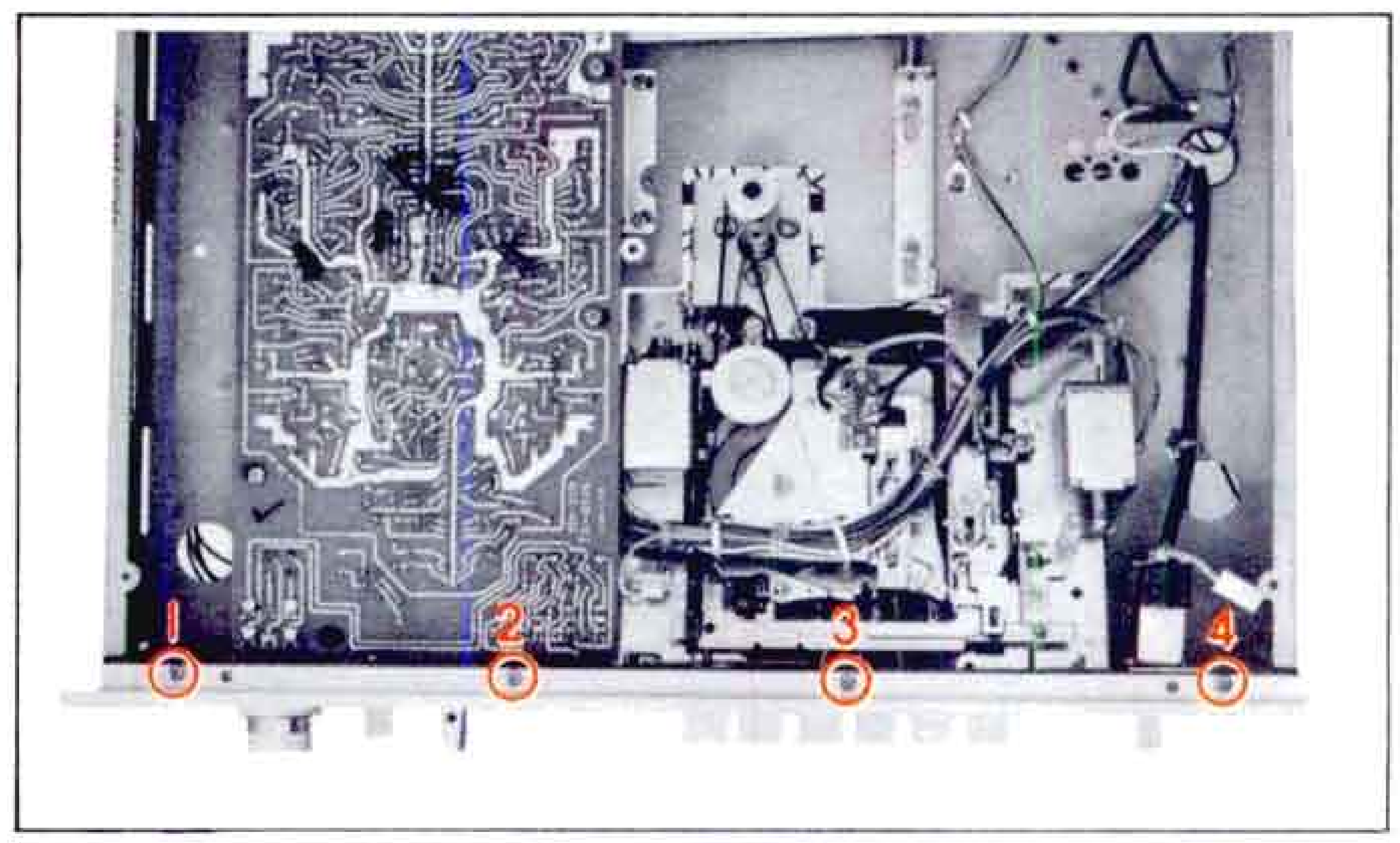
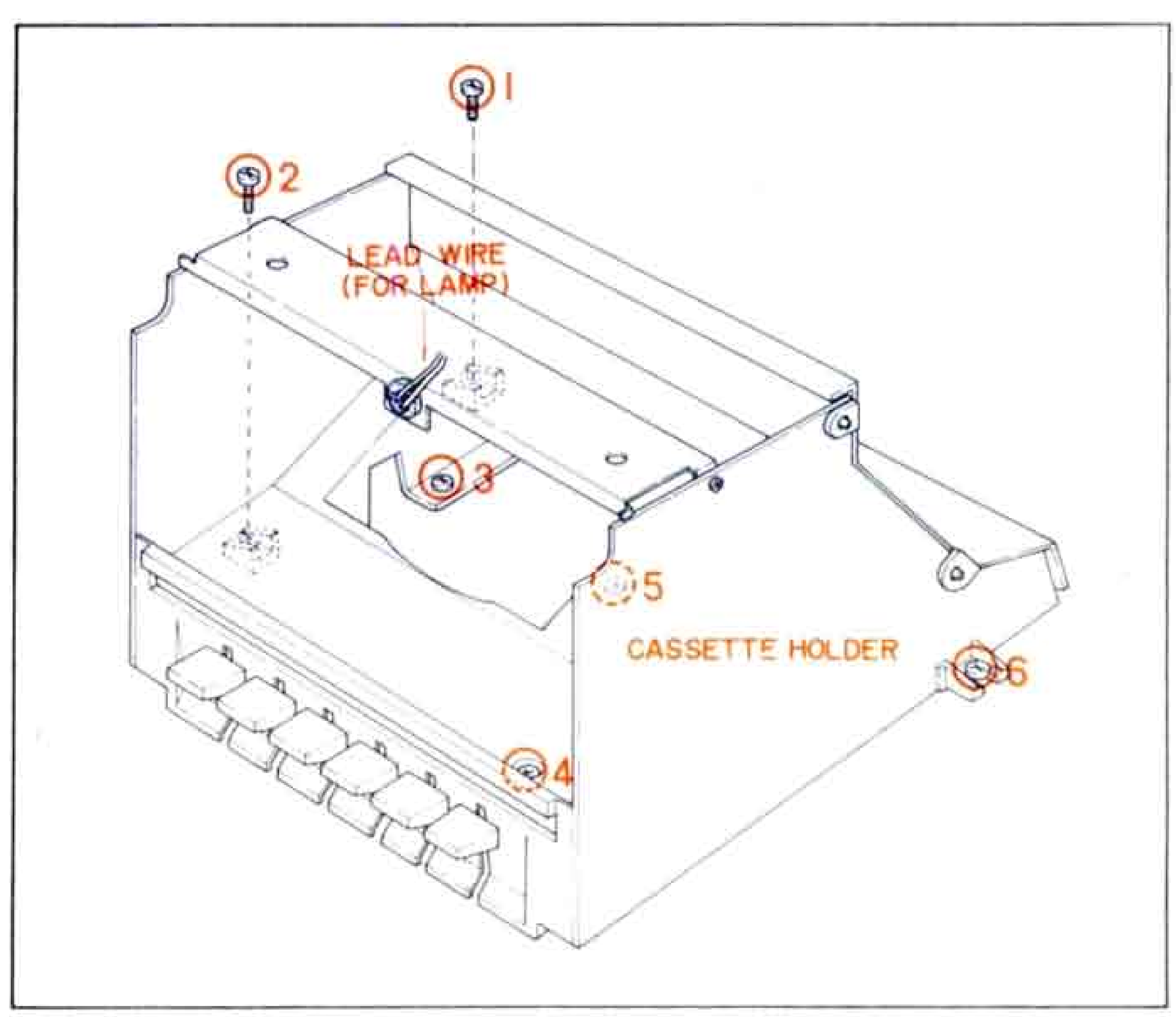



*Photo 5*

## 4. HOW TO REMOVE THE CASSETTE HOUSING

a) Remove the front panel according to the procedure 3.

b) Turn the cassette door lever to the right, and then remove the cassette door.



c) The cassette housing can be removed by loosening the screws (1) to (6) shown in Fig. 1.

- 1. When the cassette housing is removed, be sure to take off a strip of Scotch tape fixing down a reed wire for the illumination lamp.
  2. Be sure, too, to take out the cassette housing so carefully that the tape control lever is bent.

## 5. HOW TO REMOVE THE TAPE MECHANISM UNIT

a) Remove the cassette housing according to the procedure 4.

b) Then, remove the soldered terminals of recording/reproduction head, erasure head, motor switch, etc. shown in Photo 6, and the clamper of reed wire mounted on the flywheel installation board.

c) Take out the rubber belt (1) shown in Photo 7.

- Take out the belt (2) before the belt (1).

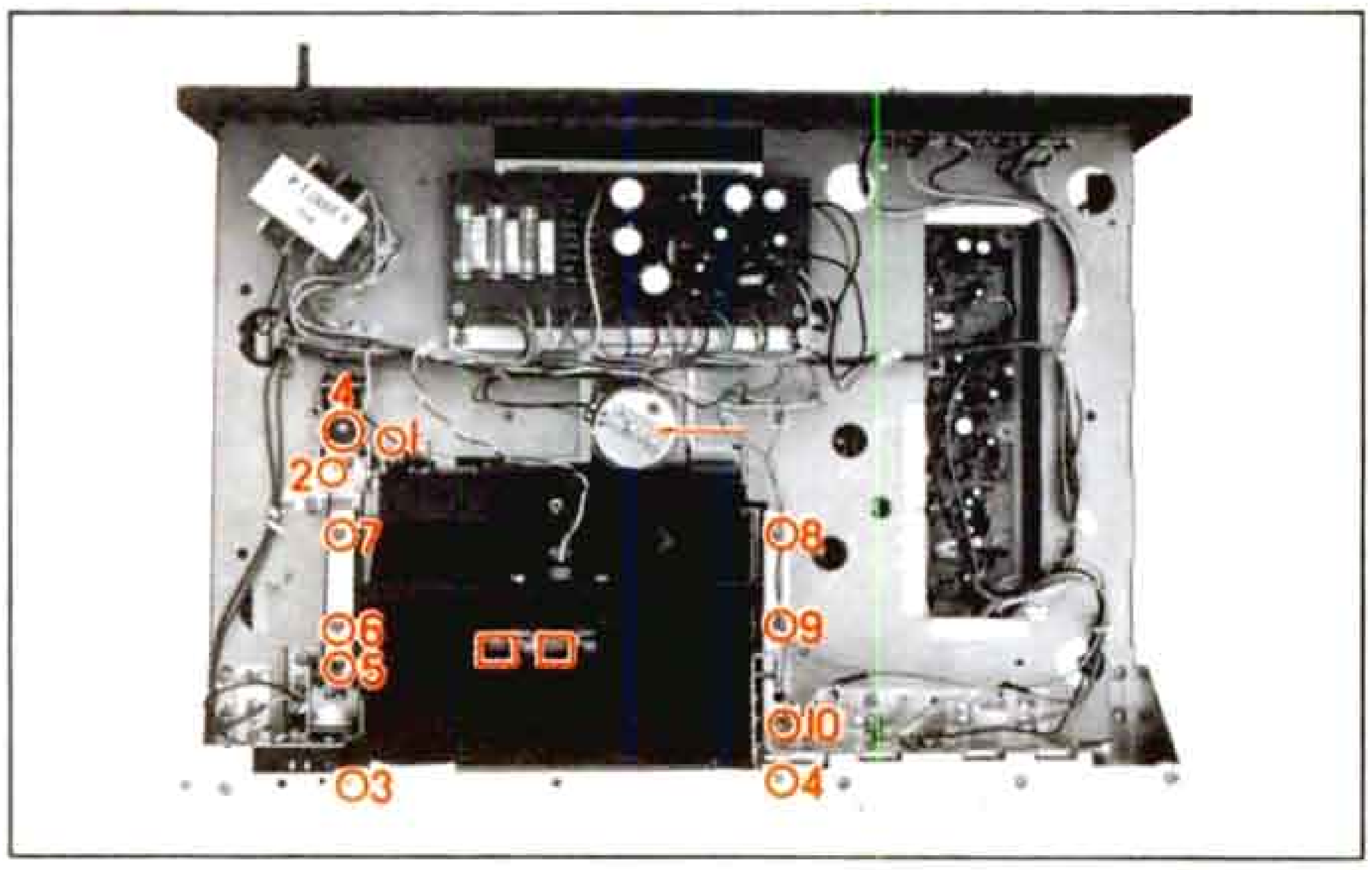


*Photo 6*

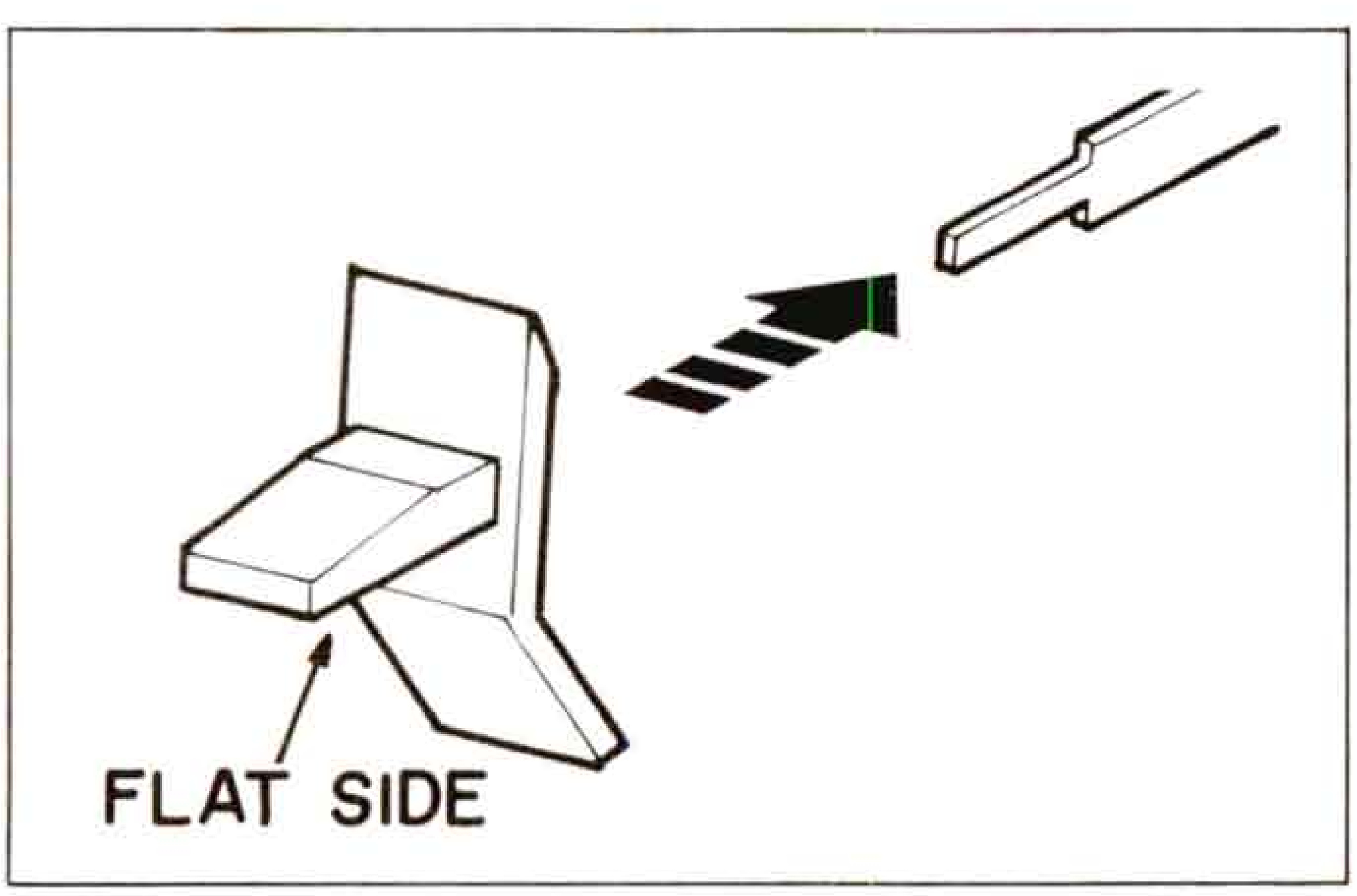
d) Loosen the screws (3) to (10) in Photo 6 and remove the tape mechanism unit.

- Keep the washers for the screws (3) and (4) for reassembly.

## 6. HOW TO REMOVE THE RECORDING/REPRODUCTION CIRCUIT BOARD

a) Take the lever knob (1) off the DOLBY NR switch of the front panel.

- Install the lever knob according to the Fig. 2.




b) Loosen and remove the screws (1) and (3) shown in Photo 7.

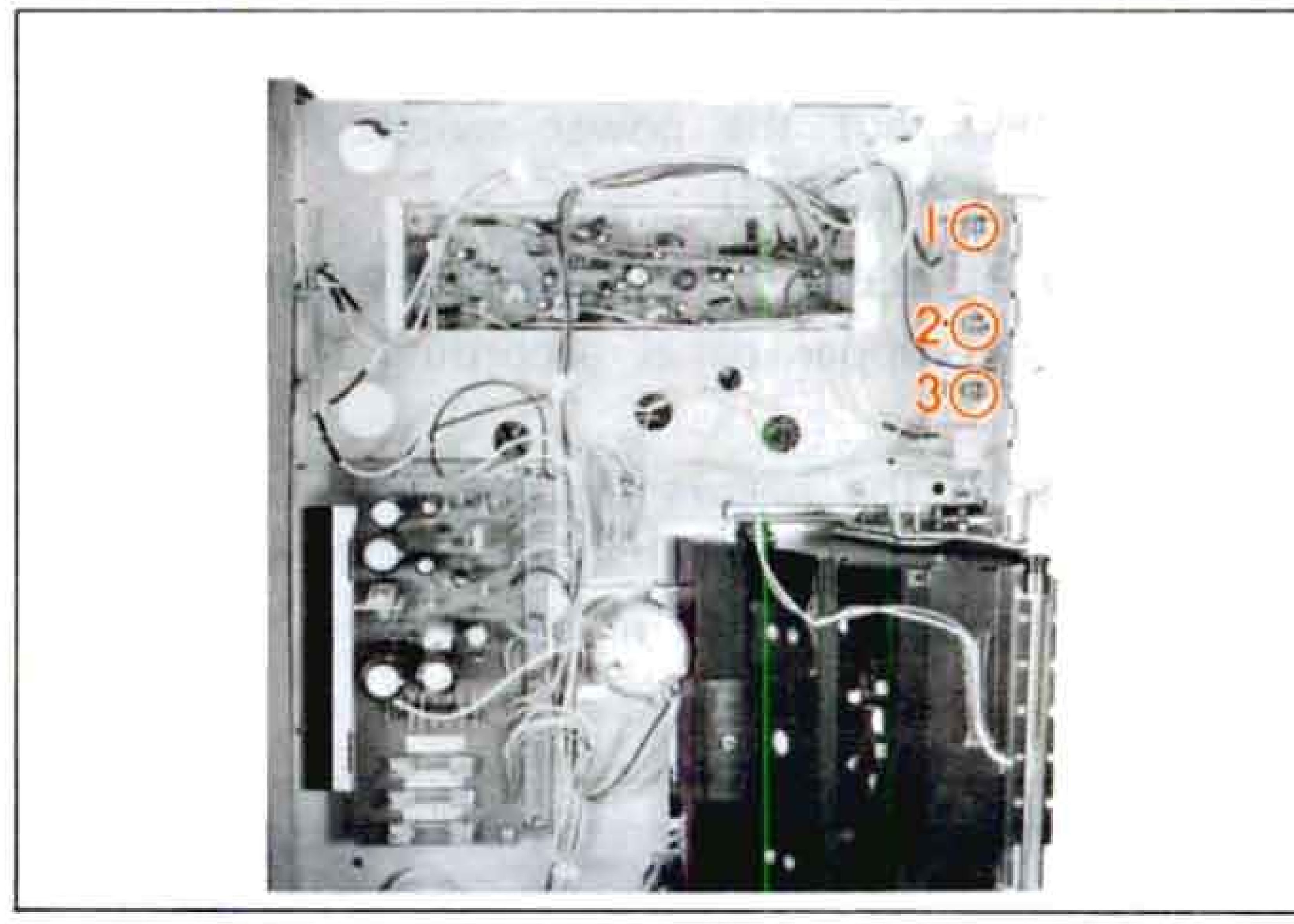


*Photo 7*

c) Loosen and remove the screws (1) to (4) shown in Photo 8, and take out the recording/reproduction circuit board.

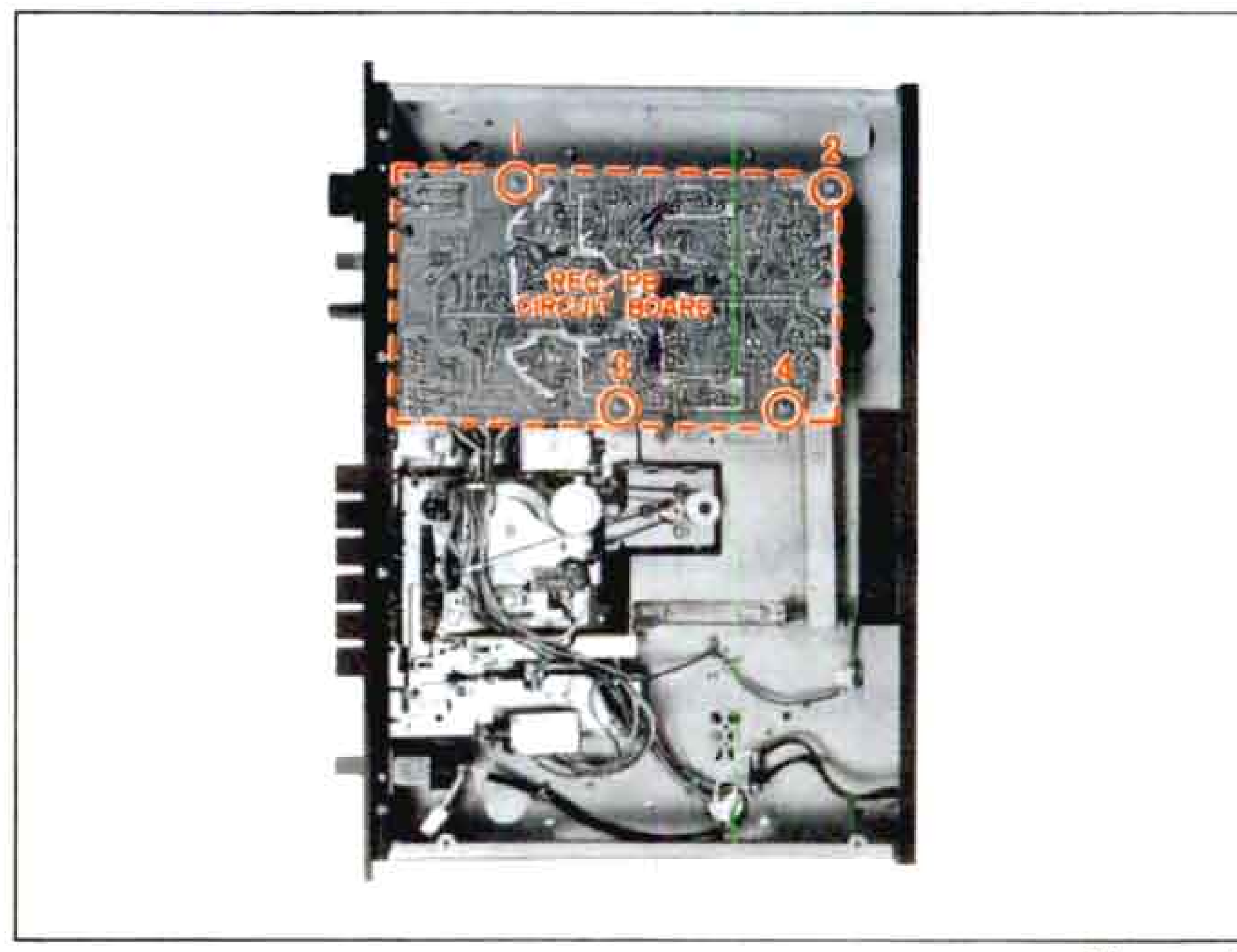



*Photo 8*

## 7. HOW TO REMOVE THE METERS

a) First, remove the front panel according to the procedure 3.

b) Before removing the meters, take off a strip of Scotch tape below them.

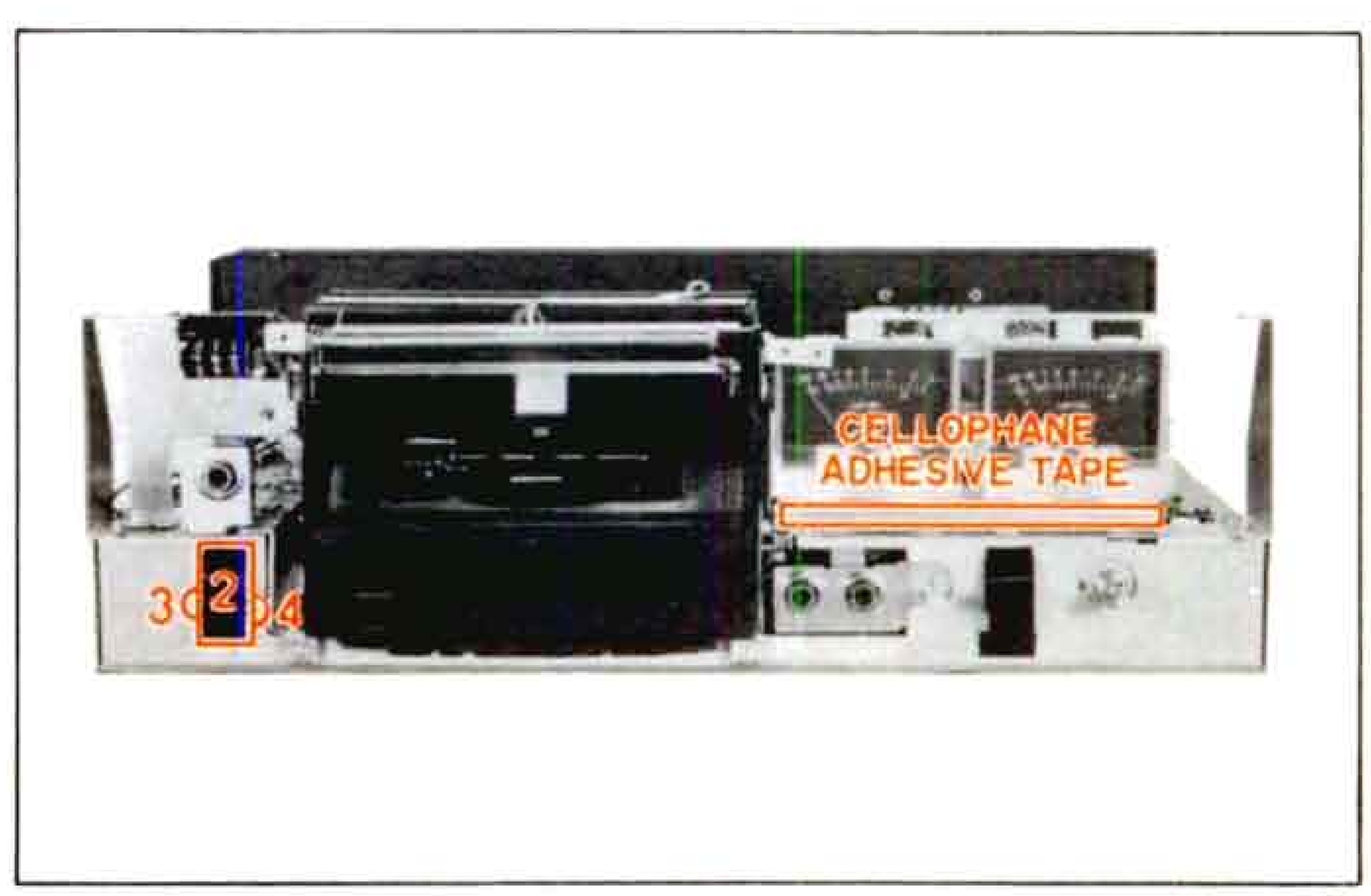



*Photo 9*

## 8. HOW TO REMOVE THE POWER SWITCH

a) Remove the front panel according to the procedure 3.

b) Then, take off the lever knob (2) shown in Photo 9, and take out the power switch by loosening the screws (3) and (4).

## 9. HOW TO REMOVE THE POWER CIRCUIT BOARD

a) Remove the upper panel according to the procedure 1.

b) Then, loosen the screws (1) and (2) in Photo 10, and take out the power circuit board in the direction shown by an arrow in the Photo.

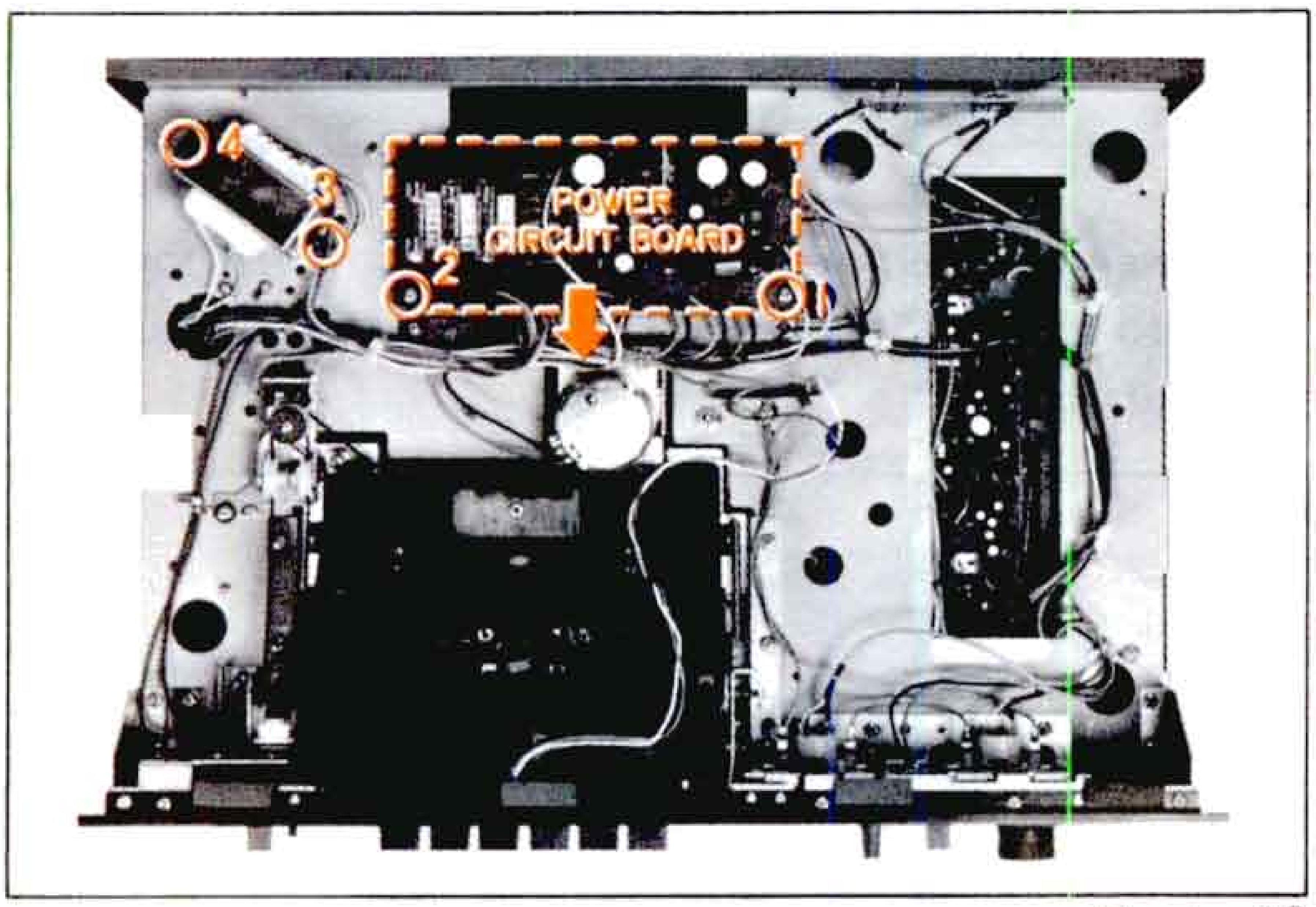


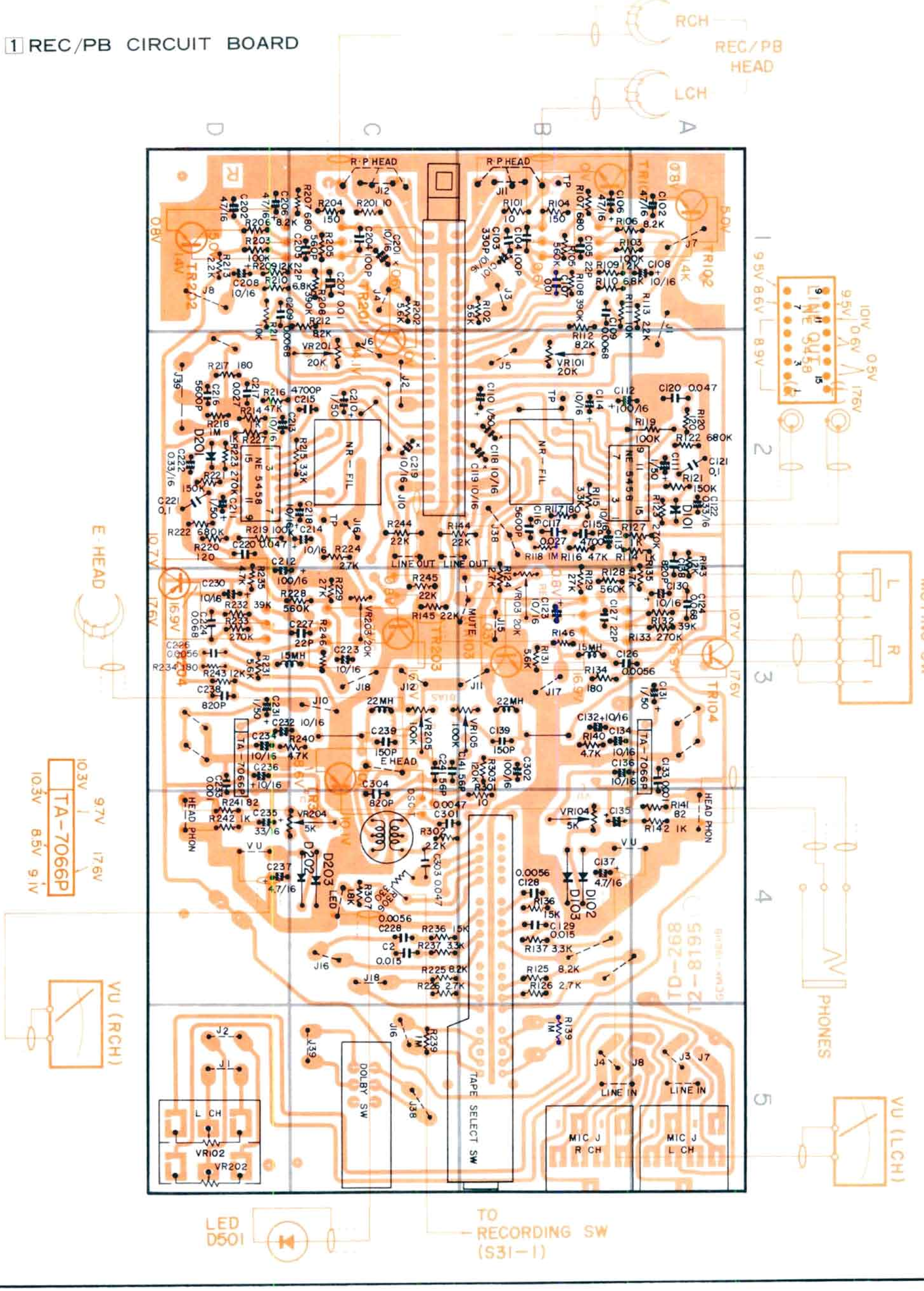

*Photo 10*

## 10. HOW TO REMOVE THE POWER TRANSFORMER

a) Remove the upper panel according to the procedure 1.

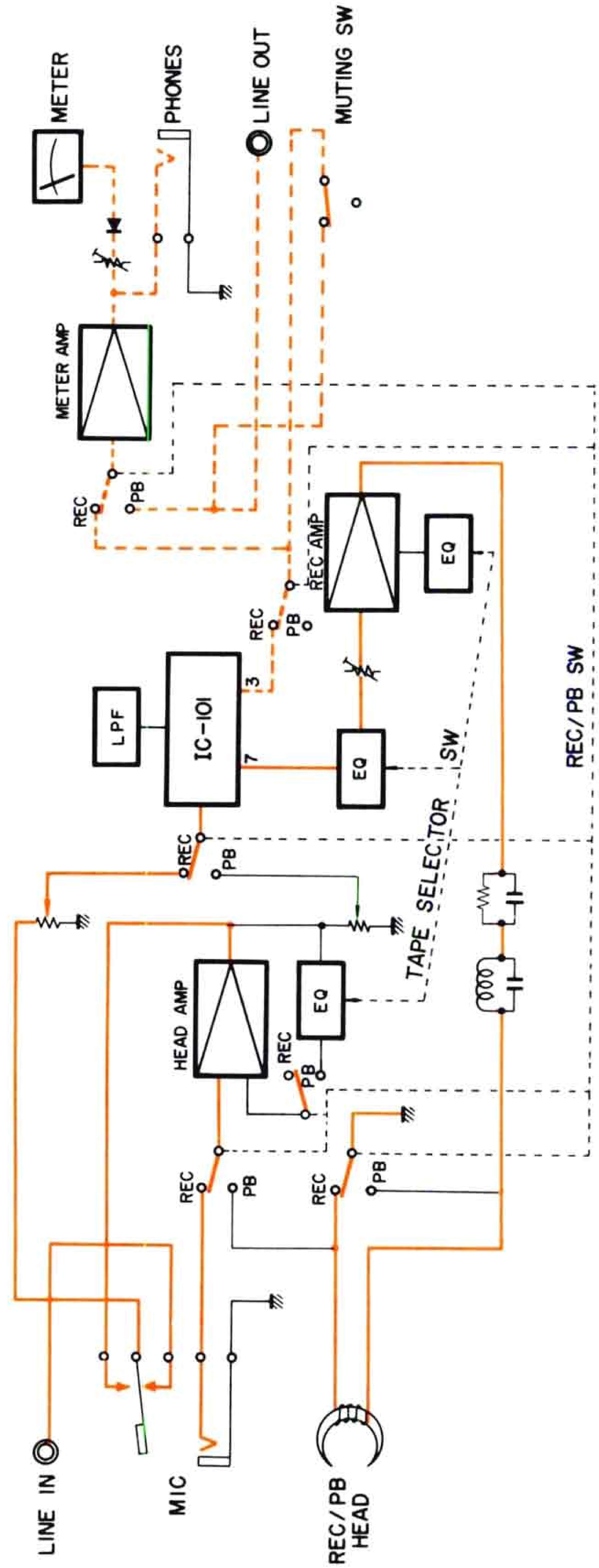
b) Take out the power transformer by loosening the screws (3) and (4) in Photo 10.

## 1 REC/PB CIRCUIT BOARD



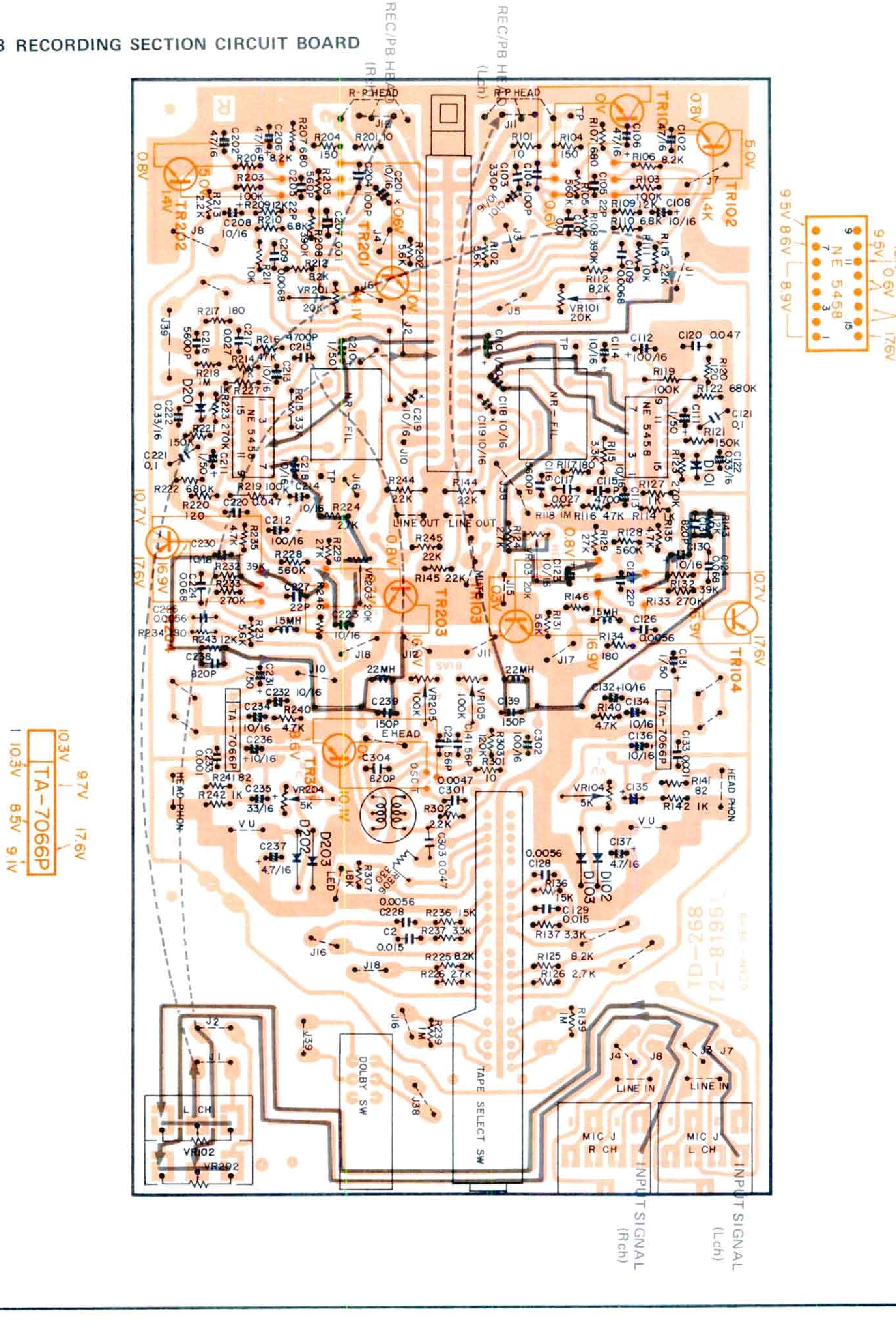
## 2 RECORDING SECTION

### 2-1 RECORDING SECTION BLOCK DIAGRAM



## 2-2 RECORDING SECTION SCHEMATIC DIAGRAM

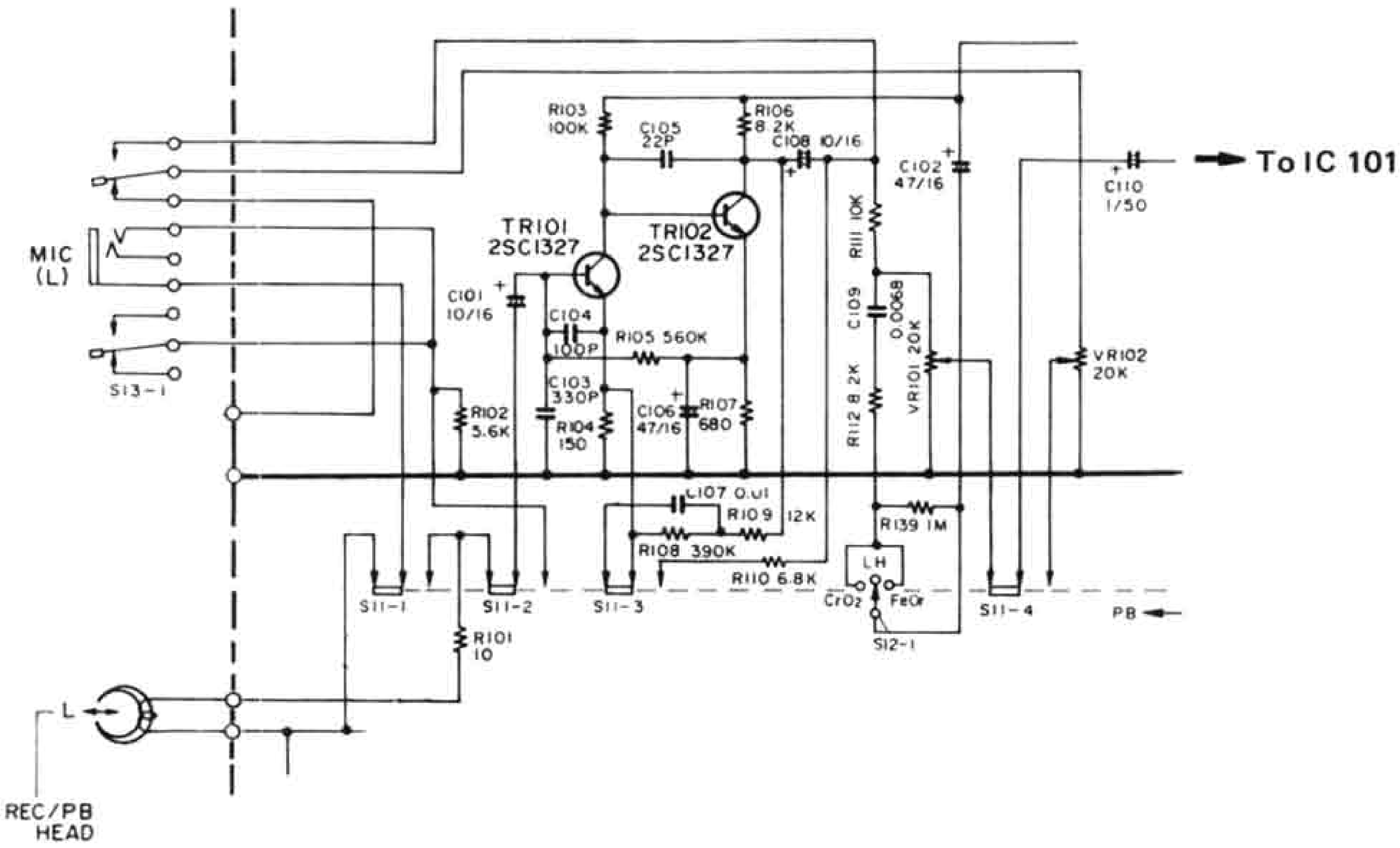
## 2-3 RECORDING SECTION CIRCUIT BOARD



## 2-4 MICROPHONE HEAD AMP (A, B-1, LCH, C, D-1, RCH)

This circuit functions only when the microphone plug is kept inserted to the microphone jack during recording. The signal which has entered the microphone jack is fed to the base of TR101, via S11-2 and C101. TR101 and TR102 are dual-dirct-coupled microphone amps. The signal which has entered the base of TR101 is then taken out from the collector of TR102. The signal thus obtained goes along C108 and S13-1, and then is adjusted to an adequate level by the RECORD LEVEL controller of VR102. This signal is finally fed to the DOLBY recording/reproduction circuit, via S11-4 and C110.

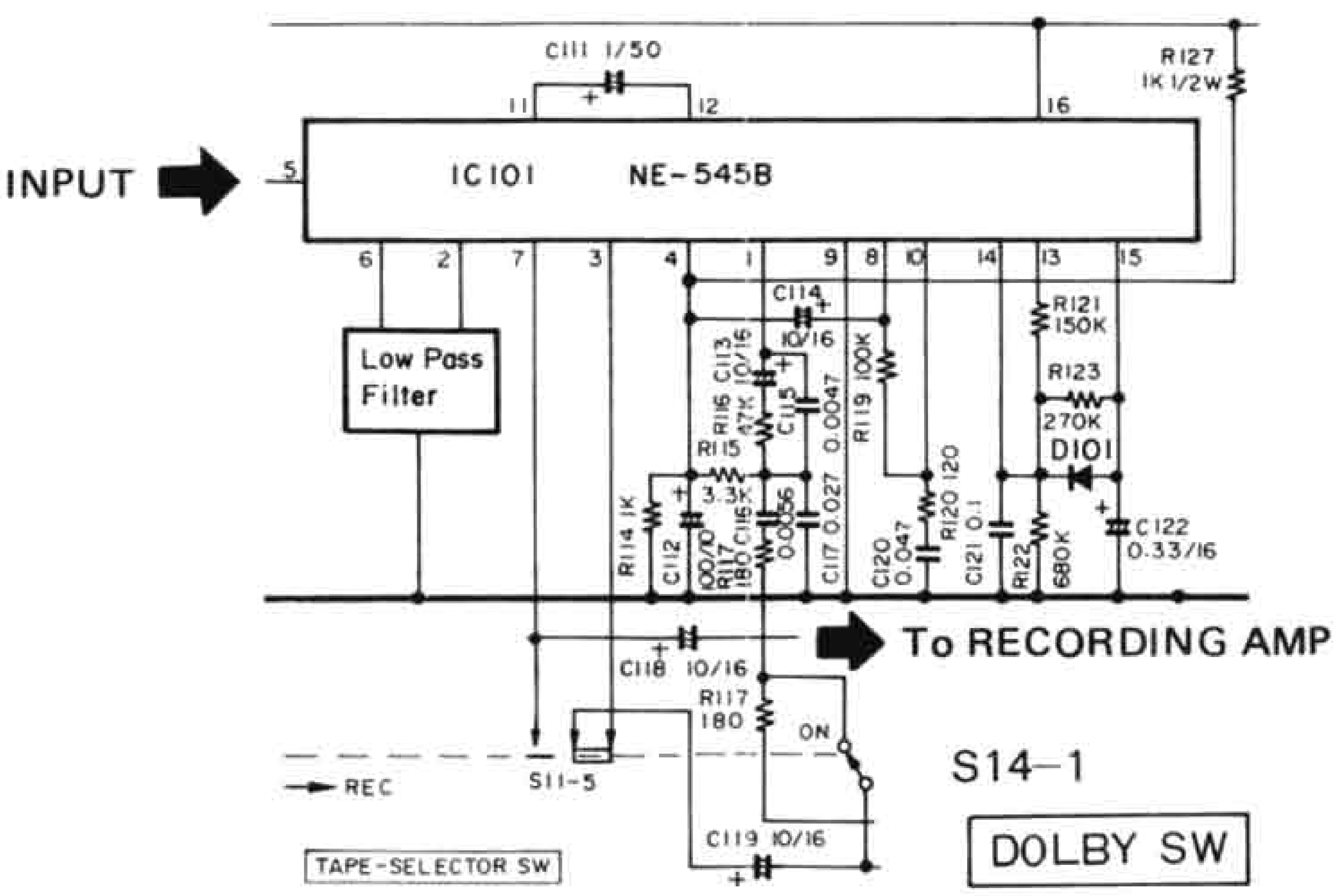
C107, R108 and R109 installed between the TR102's collector and the TR101's emitter are equalizers for reproducing a recorded tape. They do not function during recording. For further details of this circuit, refer to the instructions on the reproduction system.




## 2-5 DOLBY RECORDING CIRCUIT (A, B-2, LCH, C, D-2, RCH)

The signal which has entered the IC-101's pin (5) is taken out from the pins (7) and (3) as two portions of output. The output signal from the pin (7) is fed to the recording amp, via C118, while that from the pin (3) is divided into those for Line Out, the headphone amp and the level meter amp. When S14-1 of Dolby SW is ON, a Dolby-ized signal is obtained in the pin (7), while the same level of signal as the F of a non-Dolby-ized input comes to the pin (3).

Low Pass Filter set between the pins (6) and (2), and a counter-grounding is the filter which shows the operating characteristics described in Fig. 1. This filter functions to protect the Dolby circuit from malfunctioning through a leakage of the tuner's 19 KHz pilot signal or of the tape deck's 85 KHz bias signal.



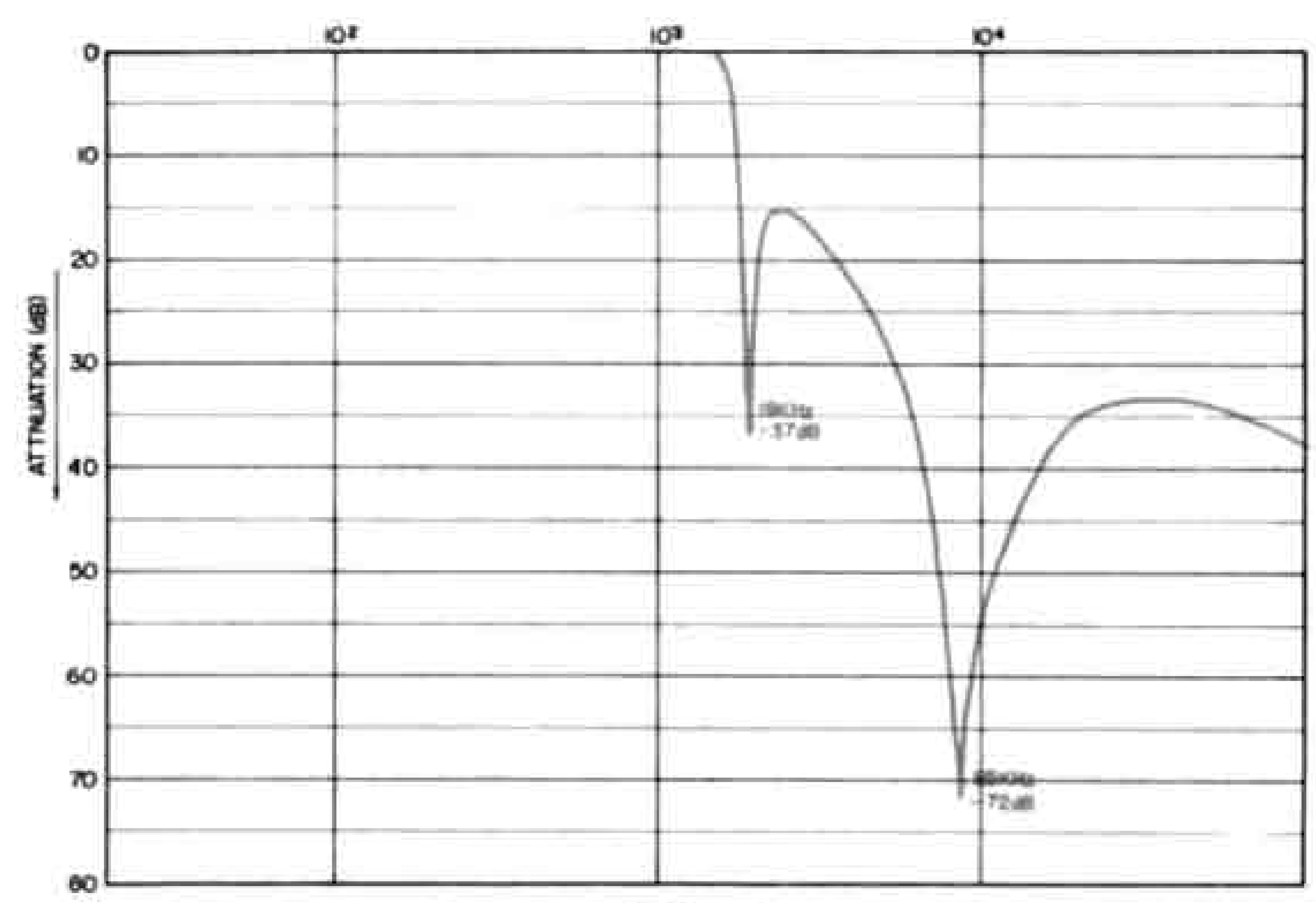
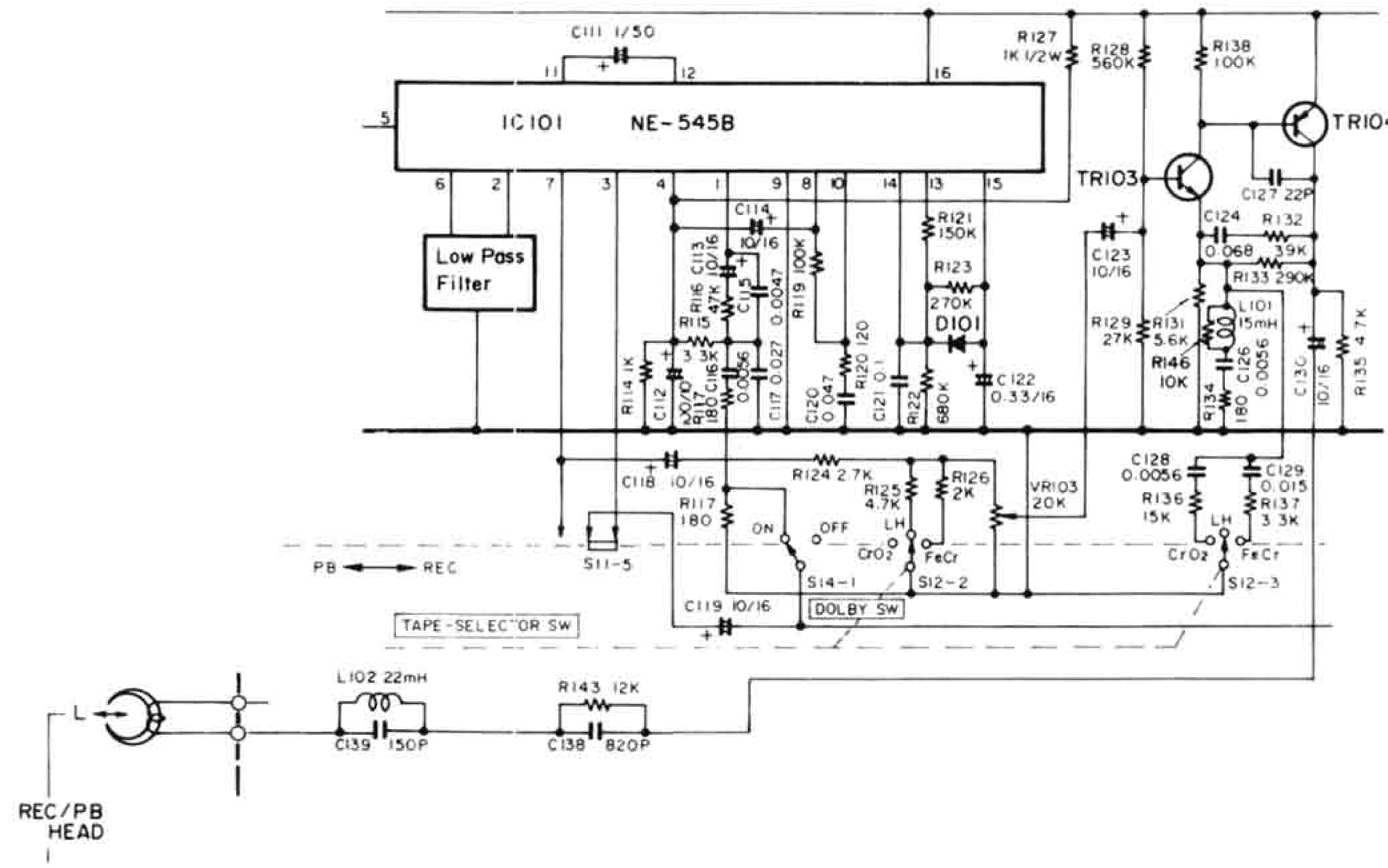




Fig. 1

## 2-6 RECORDING AMP CIRCUIT (A, B-3, LCH, C, D-3, RCH)

The signal from the IC-101's pin (7) is fed to the recording amp circuit, via C118 and R124. R125, R126 and S12-2 are sensitivity adjustment circuits designed to eliminate variations in reproduced volume of sound, according to the sensitivity of $CrO_2$, LH and FeCr tapes. VR103 is intended to adjust a recording level and sets at 0VU both the recording and reproducing levels. The signal base VR103 is fed to the base of TR103, via C123. TR103 and TR104 are dual-direct-coupled amps. The signal which has entered the base of TR103 is taken out from the collector of TR104. The signal thus taken out goes along High Pass Filter composed of R143 and C138, and then is fed to the head, via the bias trap circuit composed of L102 and C139. R143 and C138 are the compensation circuits capable of protecting high ranges from being attenuated by the head coils. L102 and C139, on the other hand, makes the recording amp circuit immune to a flow of the 85 KHz signal from the bias oscillation circuit to the recording amp circuit. What is more, R132, R133, R134, R136, R137, C124, C126 (C128, C129) and L101, all mounted between the TR104's collector and the TR103's emitter, boost the intermediate and high ranges during recording. They are grouped into the NFB loop. The acoustic curve in the intermediate range is connected by C128 and R136, or C129 and R137, while that in the high range is by L101, C126 and R134. This is due to the type of tapes used – $CrO_2$ and FeCr.

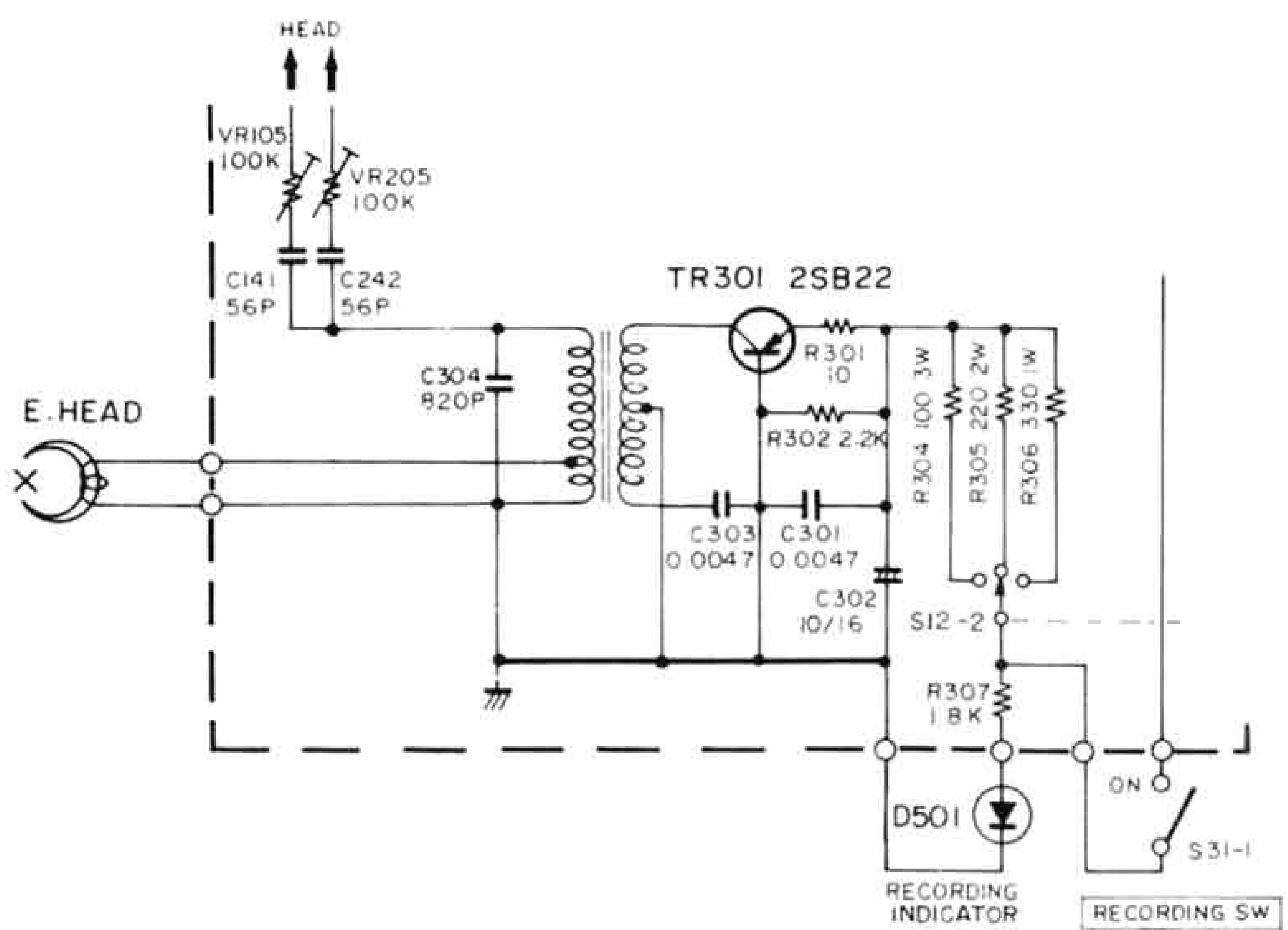



## 2-7 BIAS OSCILLATION CIRCUIT (B, C-3.4)

When the REC button is pressed, the S31-1's RECORDING SW is turned on to feed +B voltage to the bias oscillation circuit. As a result, TR301 and its surrounding devices function to oscillate the frequencies in the vicinity of 85 KHz, and consequently feed them to the erasure head and the recording/reproduction head.

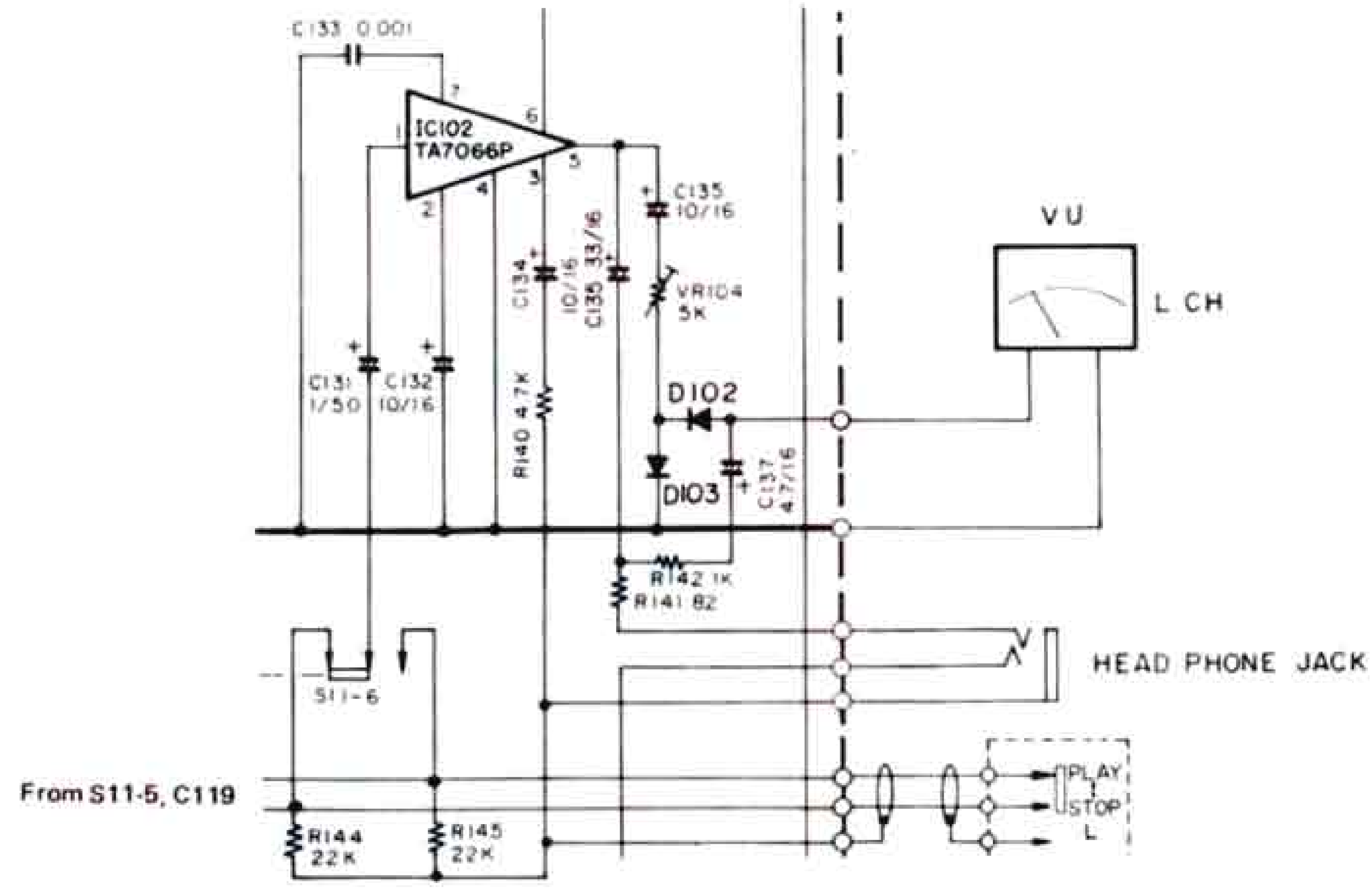
R304, R305 and R306 connected with each other in the neighborhood of S12-2 are designed to alter the level of bias frequency according to $CrO_2$, LH and FeCr tapes. VR105 and VR205, on the other hand, control the level of bias frequency flowing into the recording/reproduction head.

When the RECORDING SW is turned on, the current is applied to the D501's light-emitting diode (LED), via R307, to illuminate the RECORD indicator lamp of the front panel.



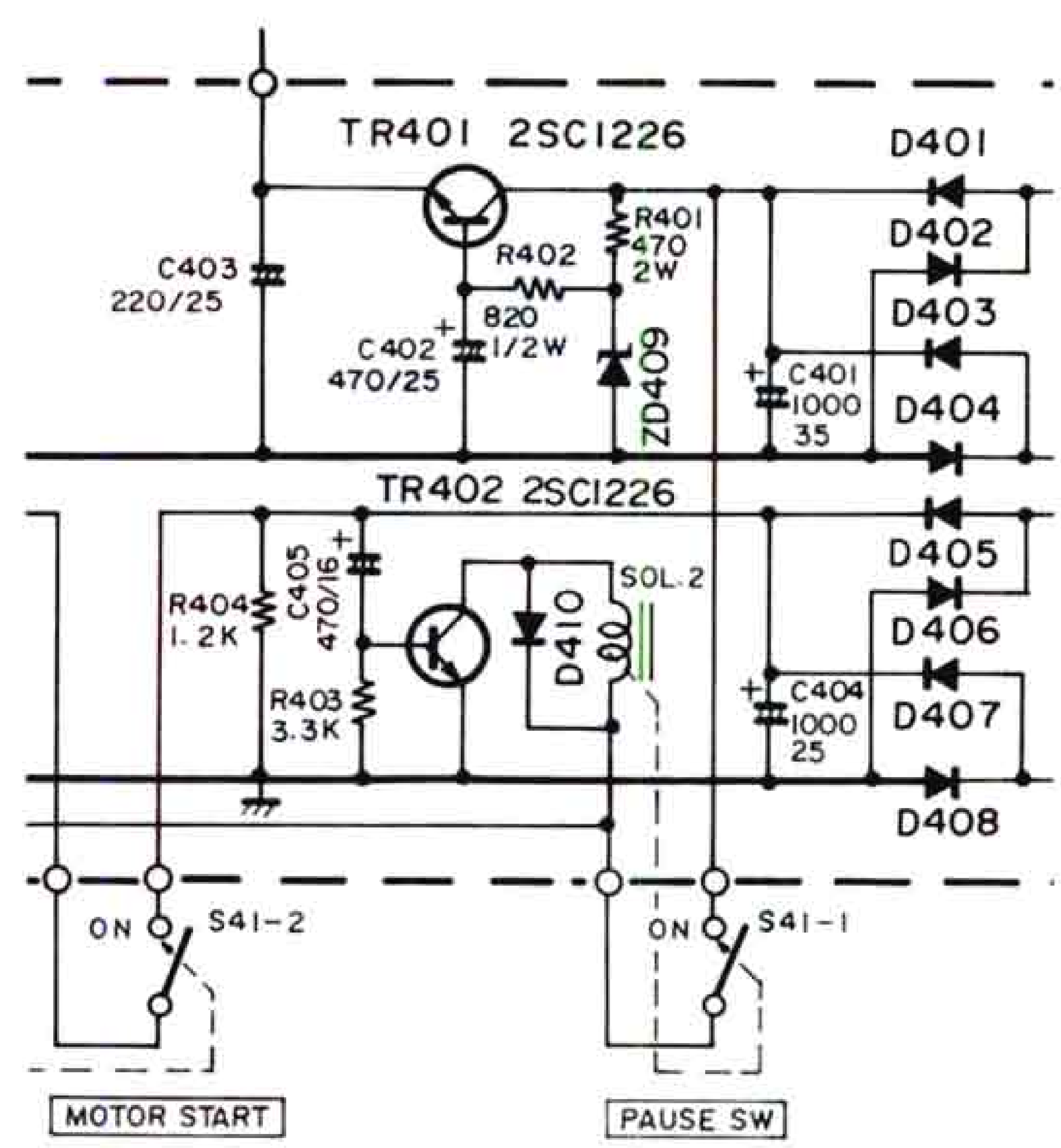
### 2-8 HEADPHONES, LEVEL METER CIRCUITS (A, B-3.4, LCH, C, D-3.4, RCH)

The signal from the IC101's pin (3) goes along S11-5, S11-6 and C131, and then is divided into two portions — one is fed to the IC102's pin (1) functioning both as a headphone amp and a level meter amp, and the other fed directly to Line Out, via MUTING SW. The divided signal of the IC102's pin (1) is obtained from the pin (5), and further separated into two portions — one is fed to Head Phone Jack, via C135 and R141, while the other to the level meter after it is attenuated by C136, C137, D102 and D103. VR104 is designed to adjust a swing of the level meter. With the tape deck set to the recording condition, it feeds a specified level of signal to Line In, and thus controls to set the level meter at 0 VU.

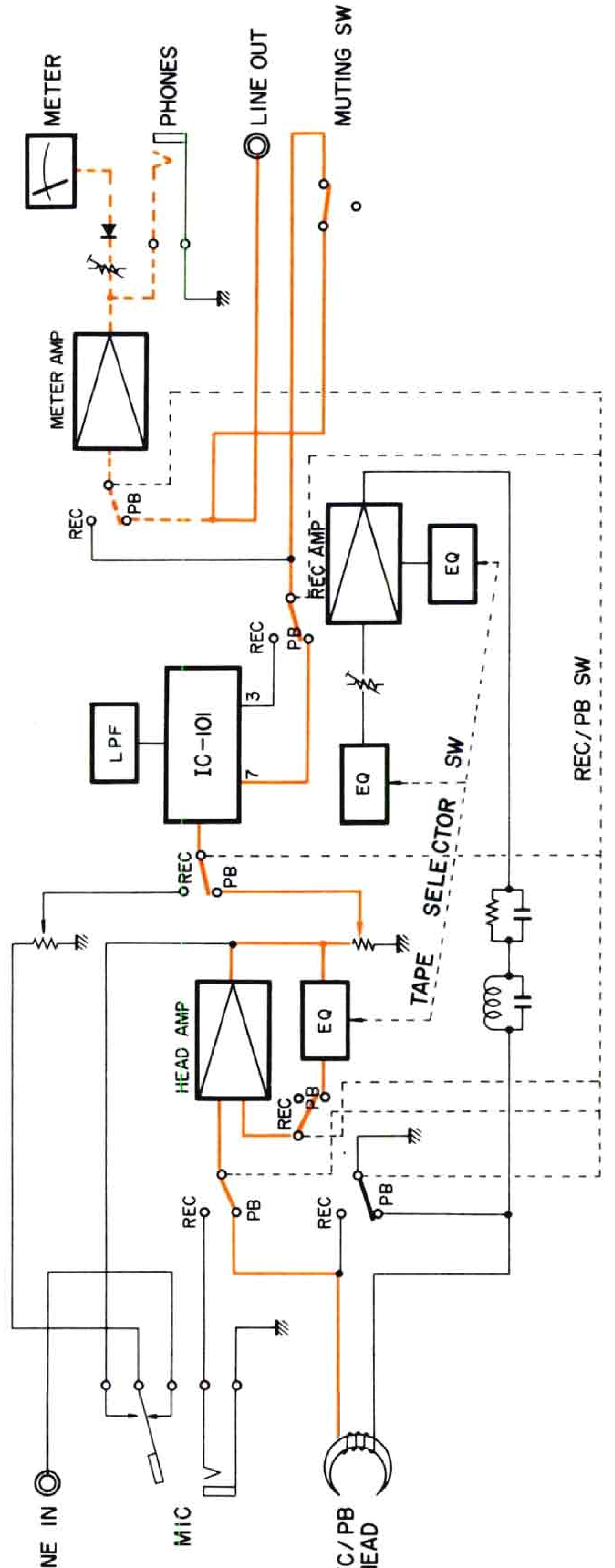



### 3. AUTOMATIC RECORDING CIRCUIT

When the PAUSE button is pressed with the power switch ON, PAUSE SW is turned on. TIME SW, then, functions to apply a power of 100V and actuate C405, R403 and R404. The voltage kept applied to the base of TR402 until the recharging of C405 is completed, which is done by the time constant determined by C405, R403 and R404. Therefore, the PAUSE button is released with the current fed to SOL-2.

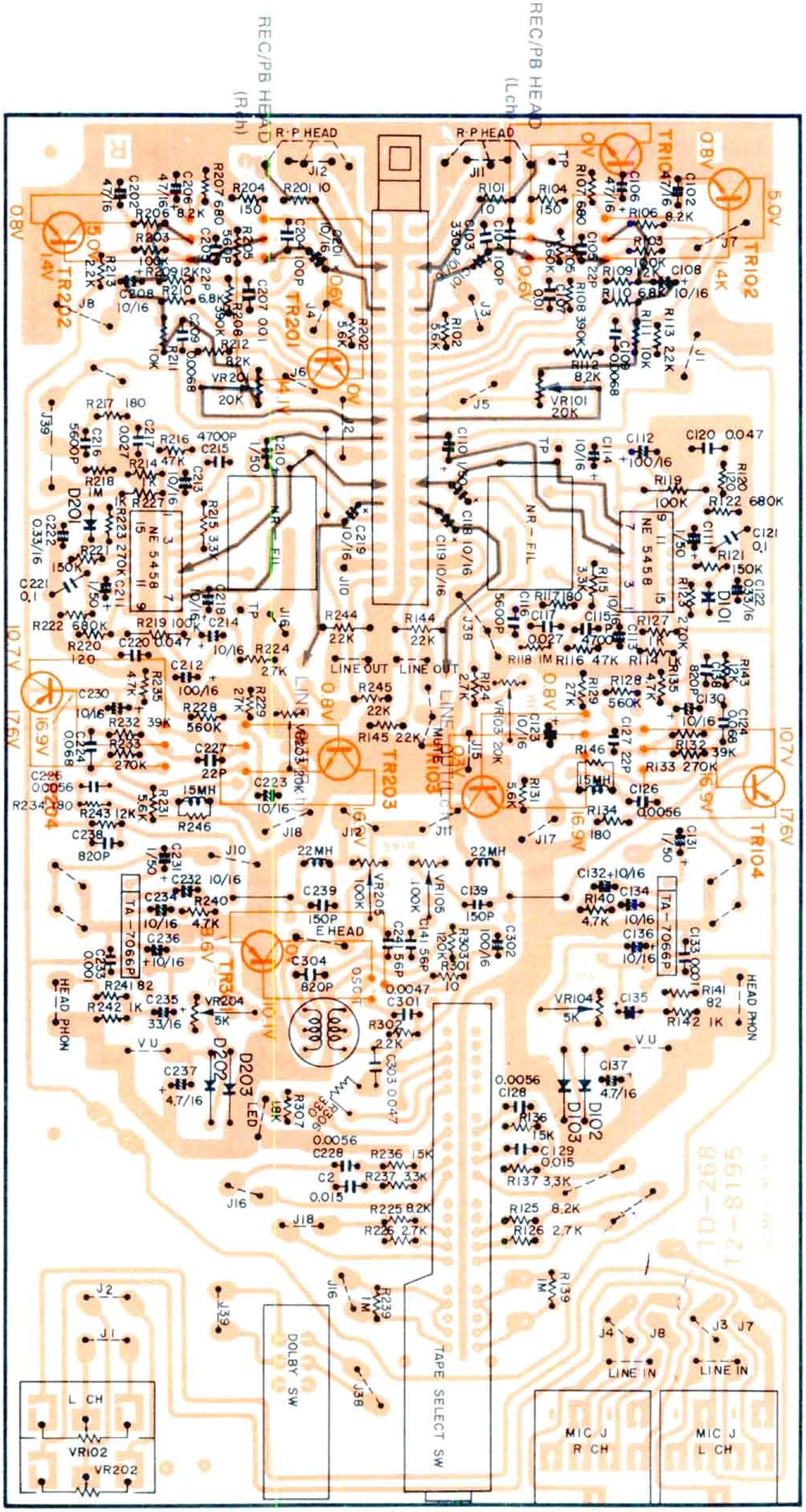


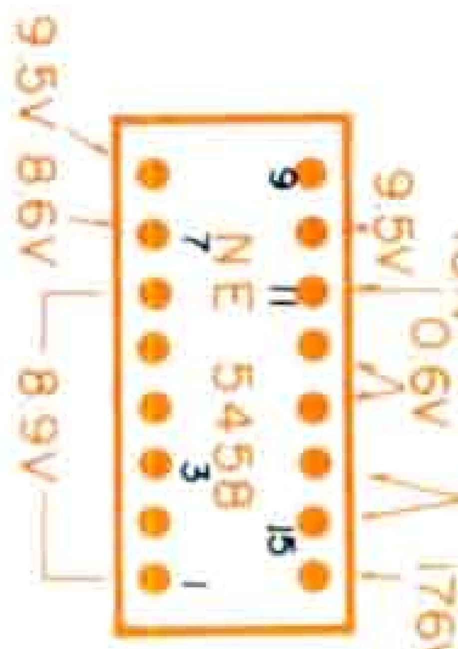
## 4-1 PLAYBACK SECTION BLOCK DIAGRAM



## 4-2 PLAYBACK SECTION SCHEMATIC DIAGRAM

# 4-3 PLAYBACK SECTION CIRCUIT BOARD

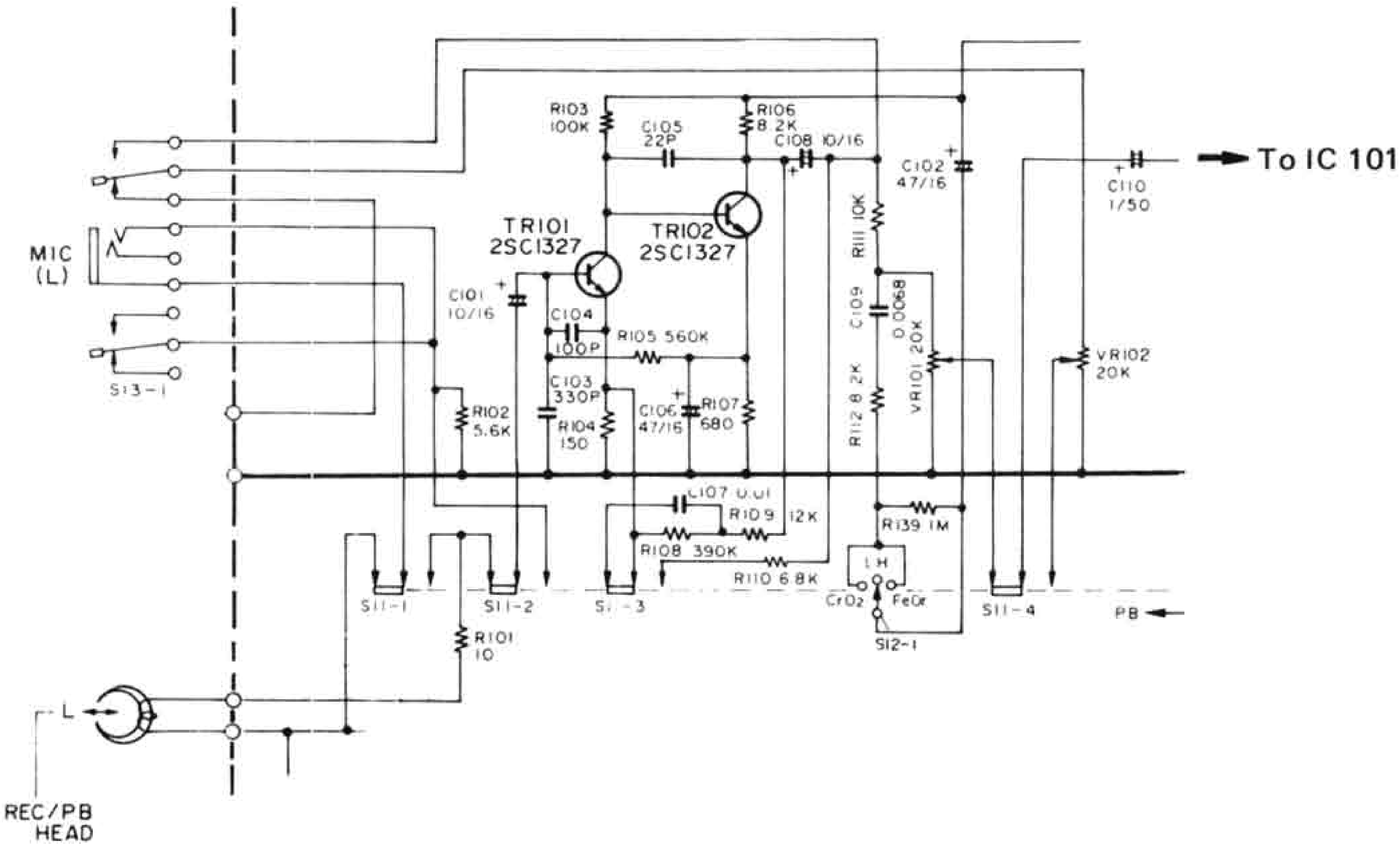



### 4-4 HEAD AMP

The output of the recording/reproduction head is fed from C101 to the TR101's base, via R101 and S11-2. TR101 and TR102 are dual-direct-coupled amps. The signal which has entered the TR101's base is taken out from the TR102's collector. The signal thus obtained is fed to the Dolby recording/reproduction circuit, via C108, R111, VR101, S11-4 and C110. VR101, intended to adjust the reproduction level, reproduces the test tape for adjustment.

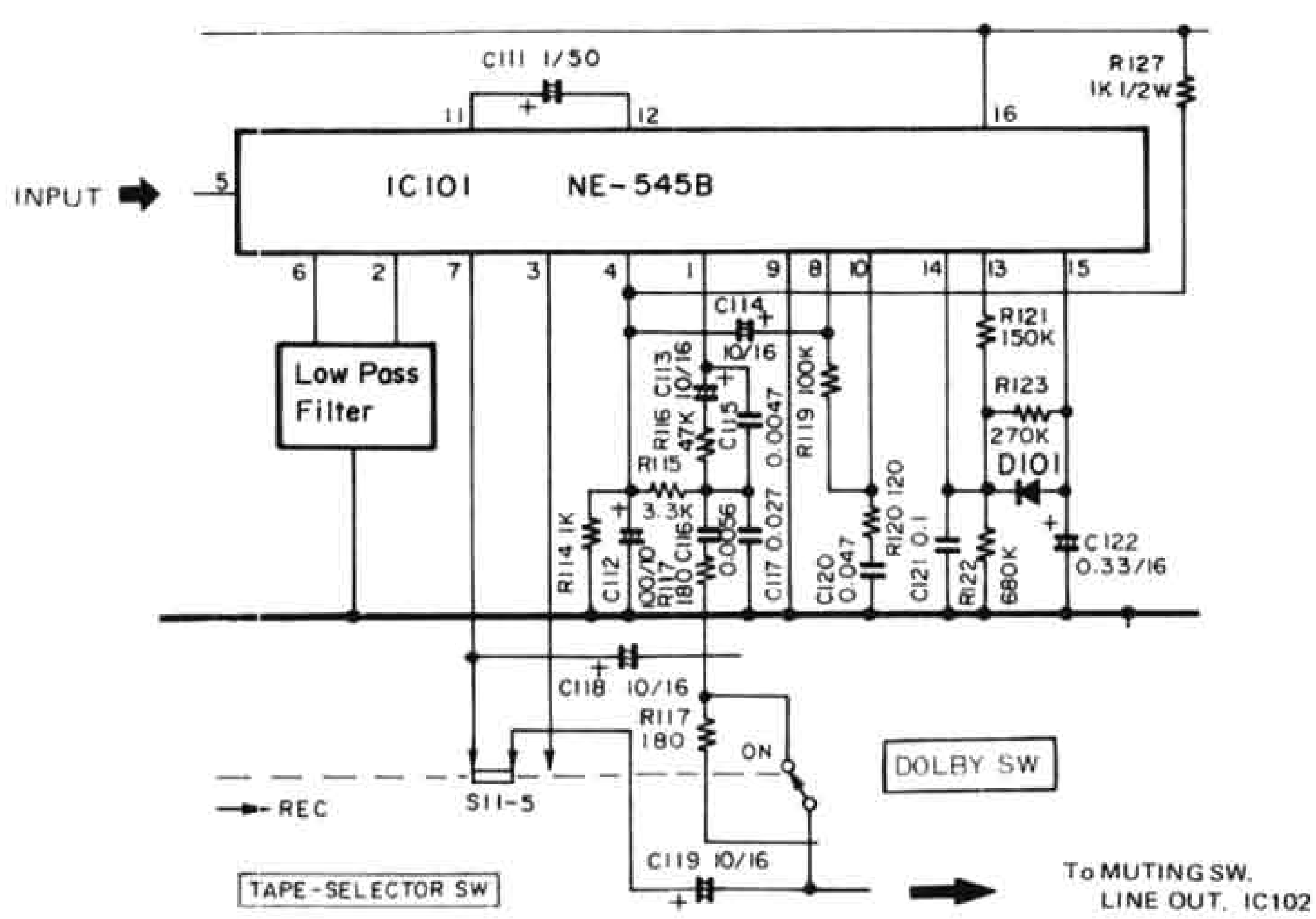
R108, R109 and C107 between the TR102's collector and the TR101's emitter are the devices which level off the intermediate and high ranges once boosted during tape recording. These devices are grouped into the NFB loop to level off much of the intermediate and high ranges, and attenuate them. C109 and R112 are high-range correction circuit to make the high-range characteristics of $CrO_2$ and FeCr tapes identical to that of LH tape.




### 4-5 DOLBY REPRODUCTION CIRCUIT

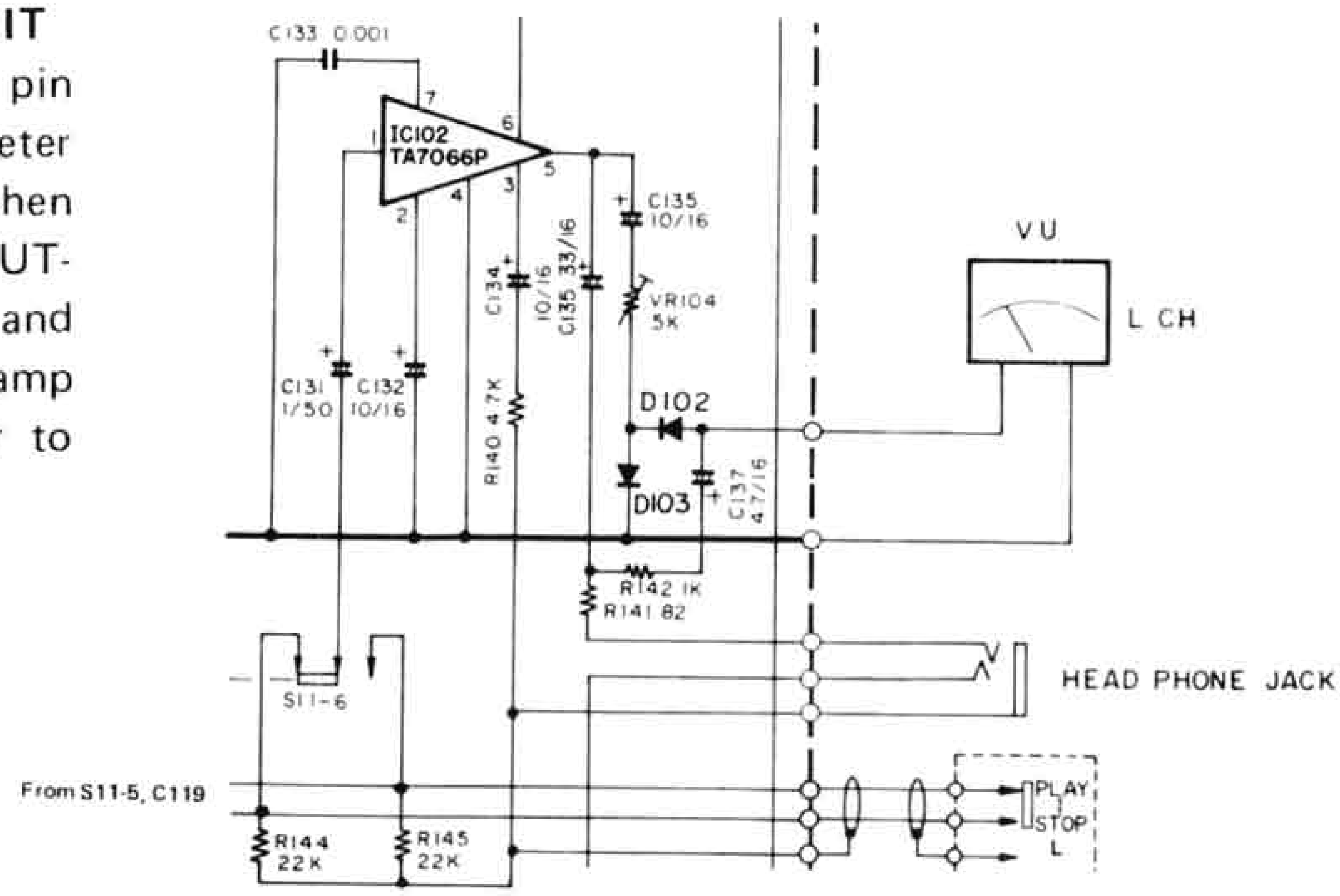
The signal which has entered the IC-101's pin (5) is taken out from the pin (7) as an output. The signal thus obtained is fed separately to the Line Out terminal, via S11-5 and C119, the headphones and the meter amp circuit.

In this case, the signal past C118 flows into the recording amp. However, it does not affect the recording/reproduction head, because the output of the recording amp is sufficiently grounded by S11-1.



### 4-6 HEADPHONES, LEVEL METER AMP CIRCUIT

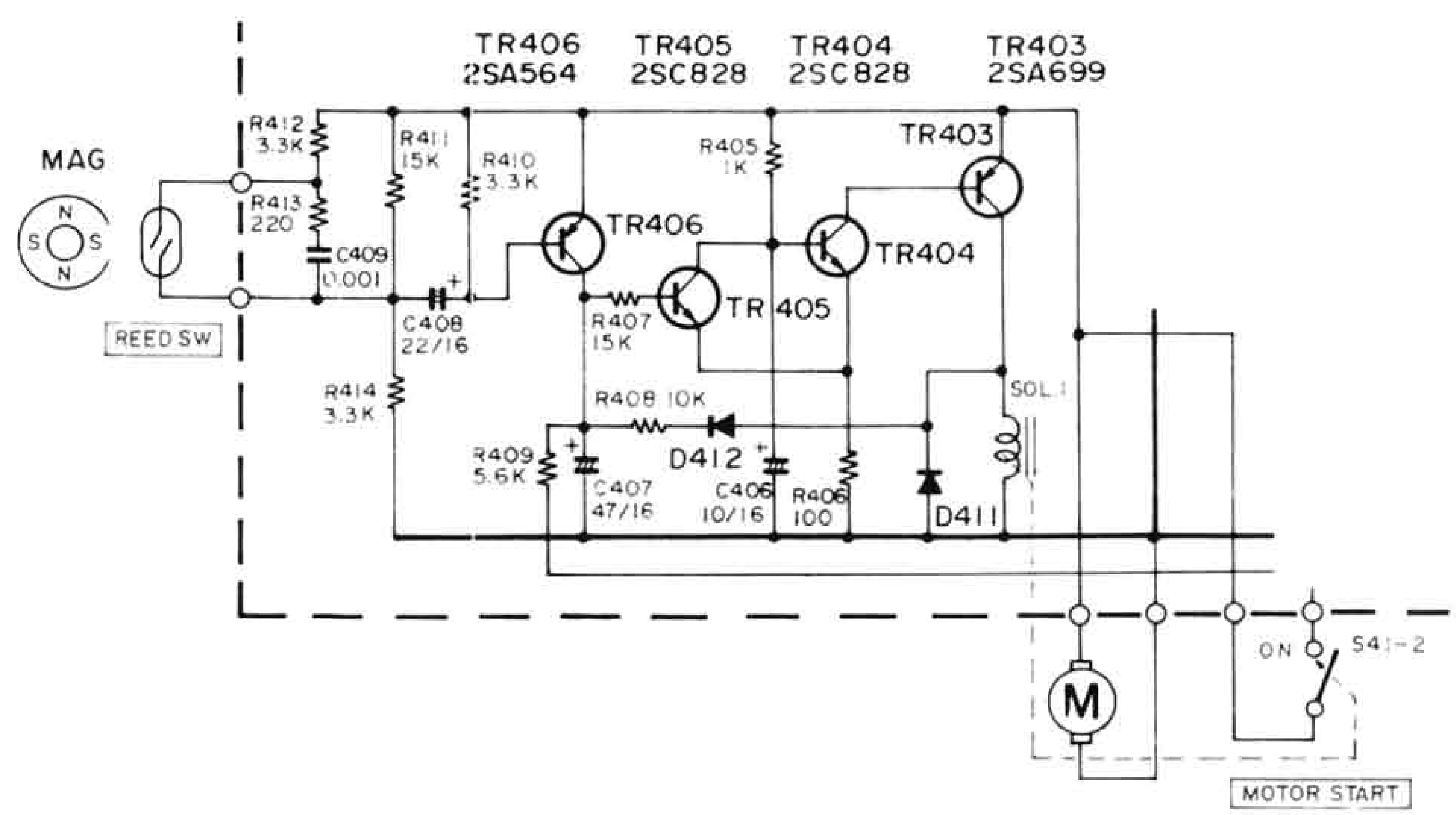
The signal from the Dolby reproduction circuit's pin (7) is fed to the headphones and the level meter amp circuit, via S11-5 and C119. This signal is then separately fed to the Line Out terminal, via the MUTING SW, and to the IC102's pin (1), via SH-6 and S131. Operations of headphones and level meter amp are exactly the same as those in recording. Refer to the instructions on the recording system.



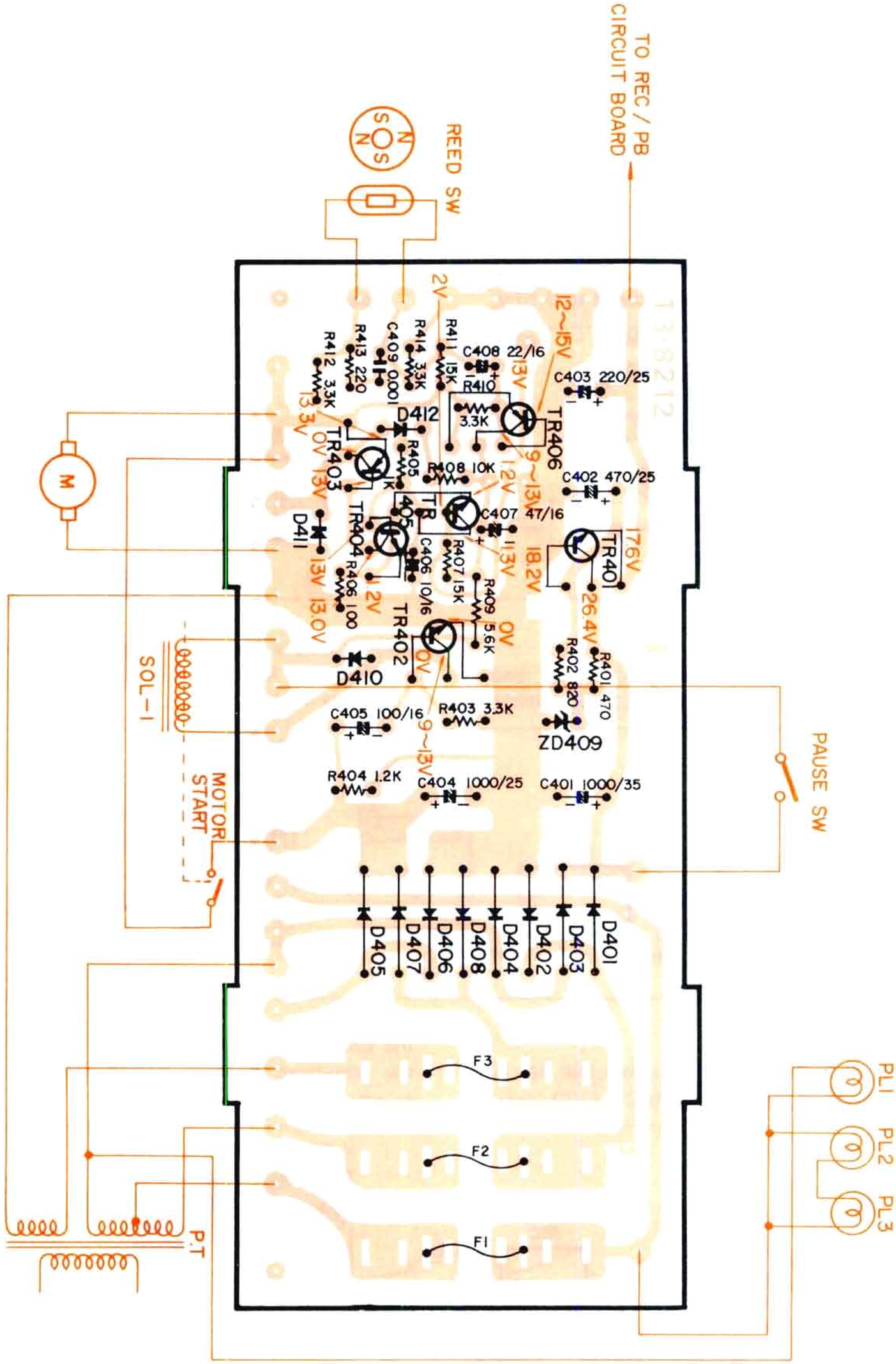

### 5. FULL-AUTOMATIC, SHUT-OFF CIRCUIT

During the tape is running, MAGNET, belt-linked to the axis on the rewinding side, keeps rotating to change over REED SW between ON and OFF, and the bias attenuated by C406 is applied to the base of TR406. Consequently, when the tape is running, TR406 and TR405 are ON. When TR is ON, the collector of TR405 (the base of TR404) lowers its voltage, thereby turning off TR404 and TR403.

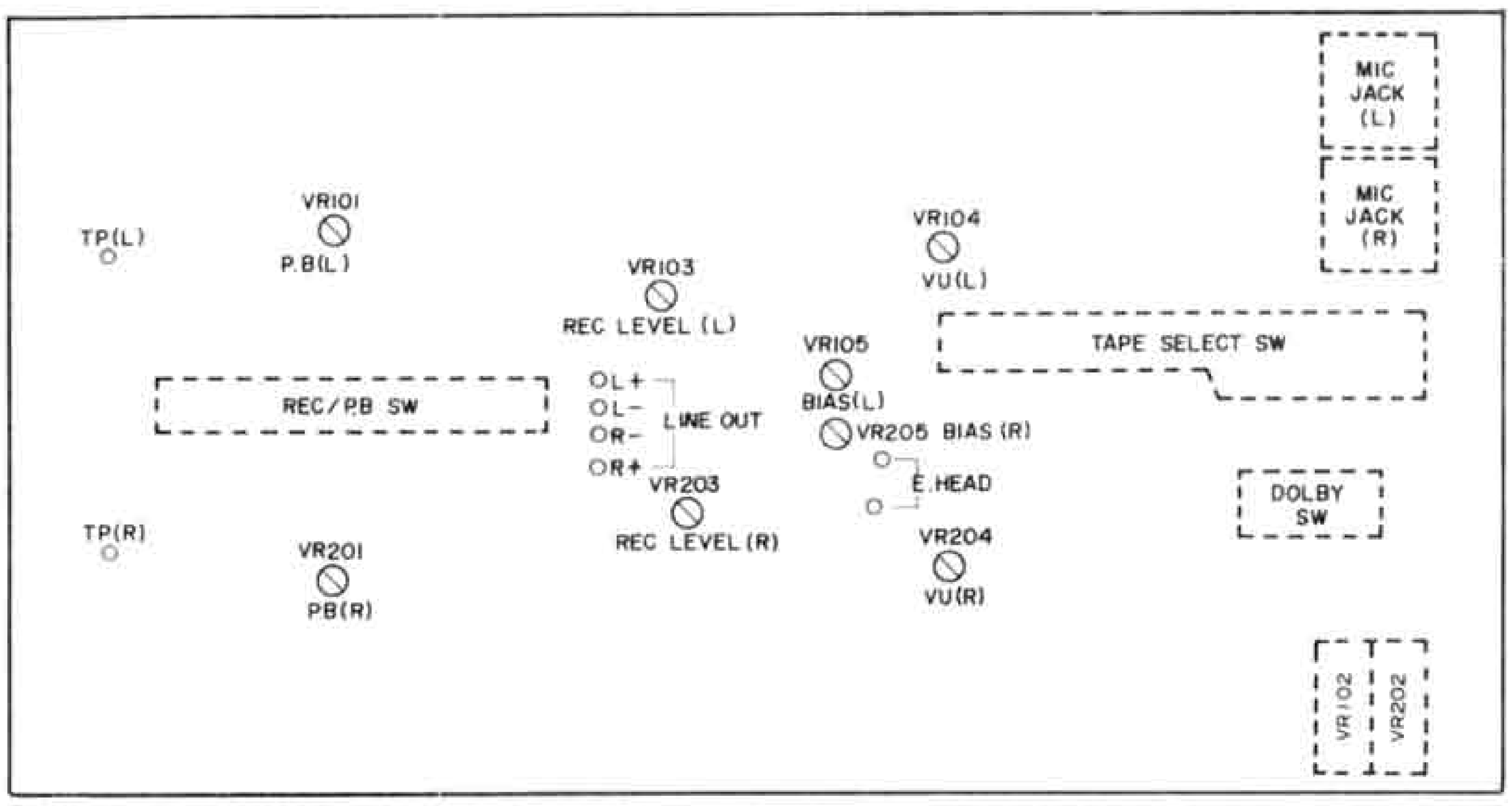
When the tape comes to an end, MAGNET stops rotating and applies no bias to the base of TR405, thus turning off TR406 and TR405. The OFF condition of TR405, in turn, activate both TR404 and TR403, and applies the current to SOL-1. Consequently, a full-automatic shut-off mechanism starts to function. Since MOTOR START SW is directly coupled to SOL-1, it is turned off simultaneously with the current flowing to SOL-1.



# POWER SUPPLY CIRCUIT BOARD



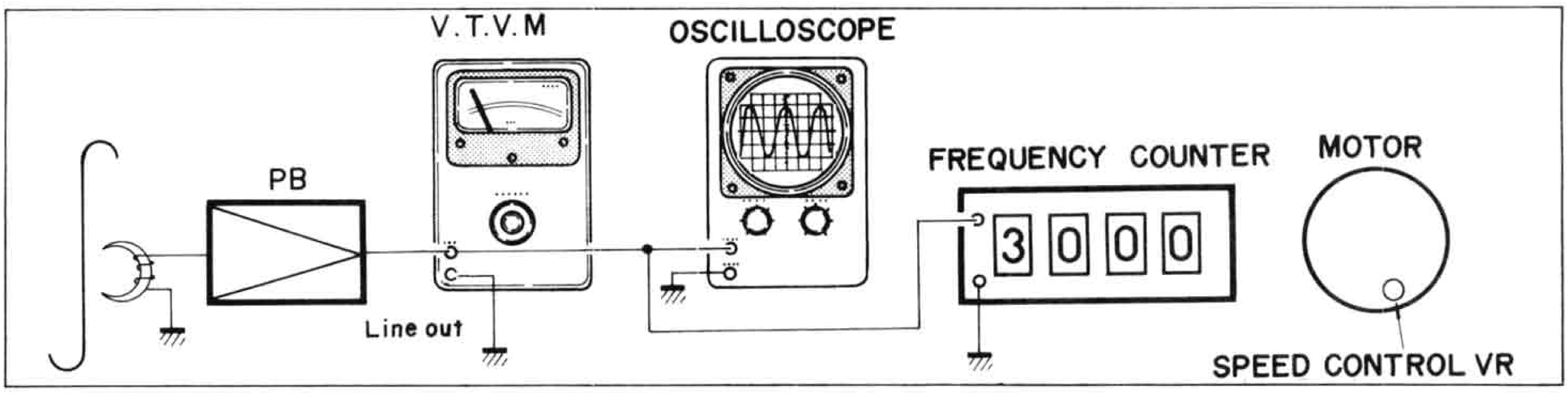
# ELECTRICAL CHECKS AND ADJUSTMENTS




## 1. TAPE SPEED

Reproduce the central part of the LCT-3001 test tape (3 KHz). Adjust the motor revolution speed to 3 KHz.

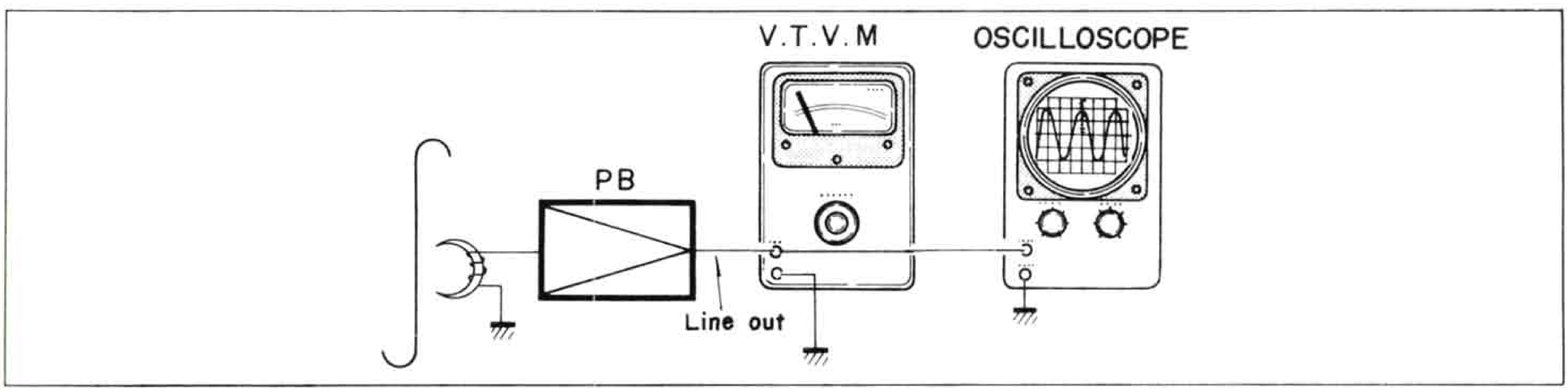
- For controlling the tape speed, the MTT-111 test tape can be alternative to the LCT-3001.




## 2. REPRODUCTION LEVEL

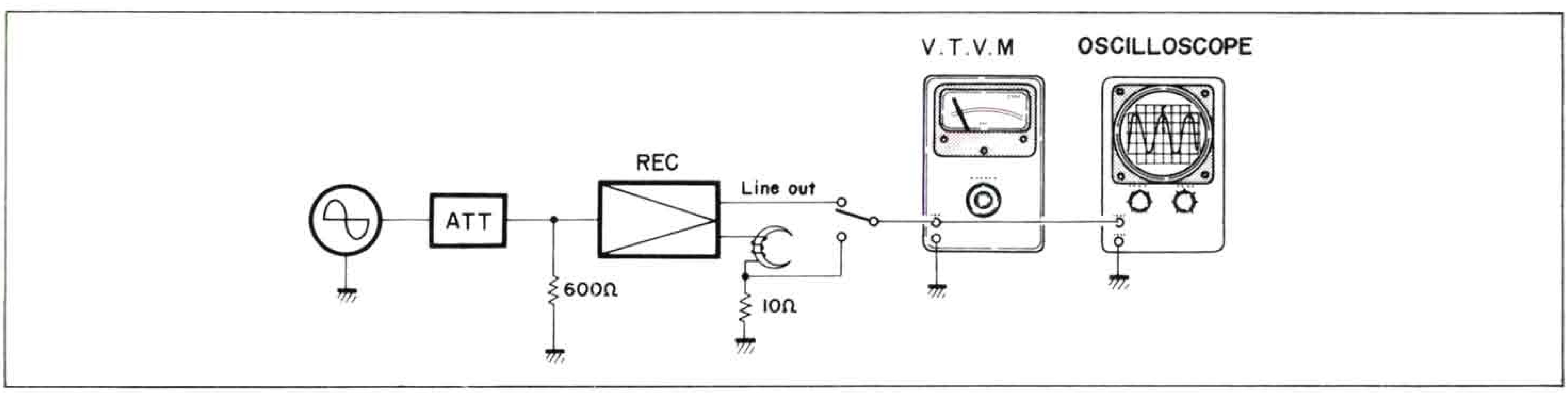
Reproduce the LCT-3003 (333 Hz) test tape, and adjust the semi-fixed resistors VR101 (L) and VR201 (R), to set the Line Out's output at –6.5 dBm.

- When the MTT112 test tape is used, the output level is –2.5 dB.




## 3. VU METER

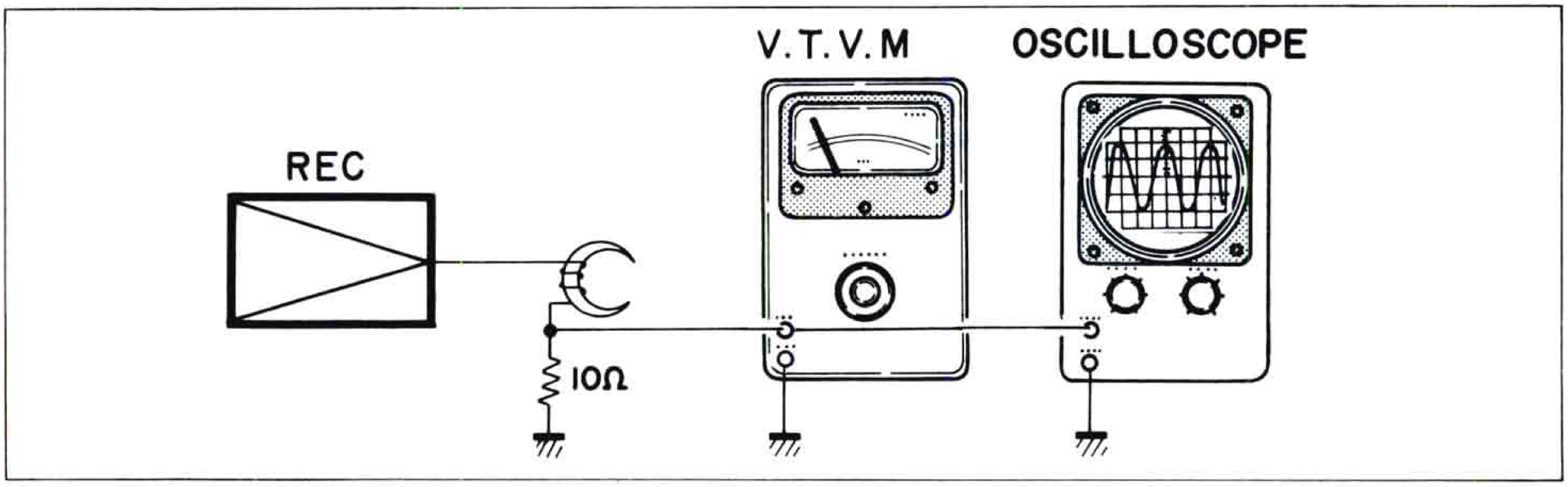
Apply a level of 1 KHz, –20 dBm to LINE IN in the recording condition, and adjust REC LEVEL until the Line Out's output obtains –6.5 dBm. Then, adjust the semi-fixed resistors, VR104 (L) and VR204 (R), to set the level meter at 0 VU.



### 4. BIAS CURRENT

Control the bias voltage of the recording/reproduction terminal (10Ω) in the non-signal recording condition. (TP1, TP2)

| | L | R | |
|---|---|---|---|
| LH | VR105 | VR205 | −46dBm |
| FeCr | | | −44.5dBm |
| $CrO_2$ | | | −42.5dBm |

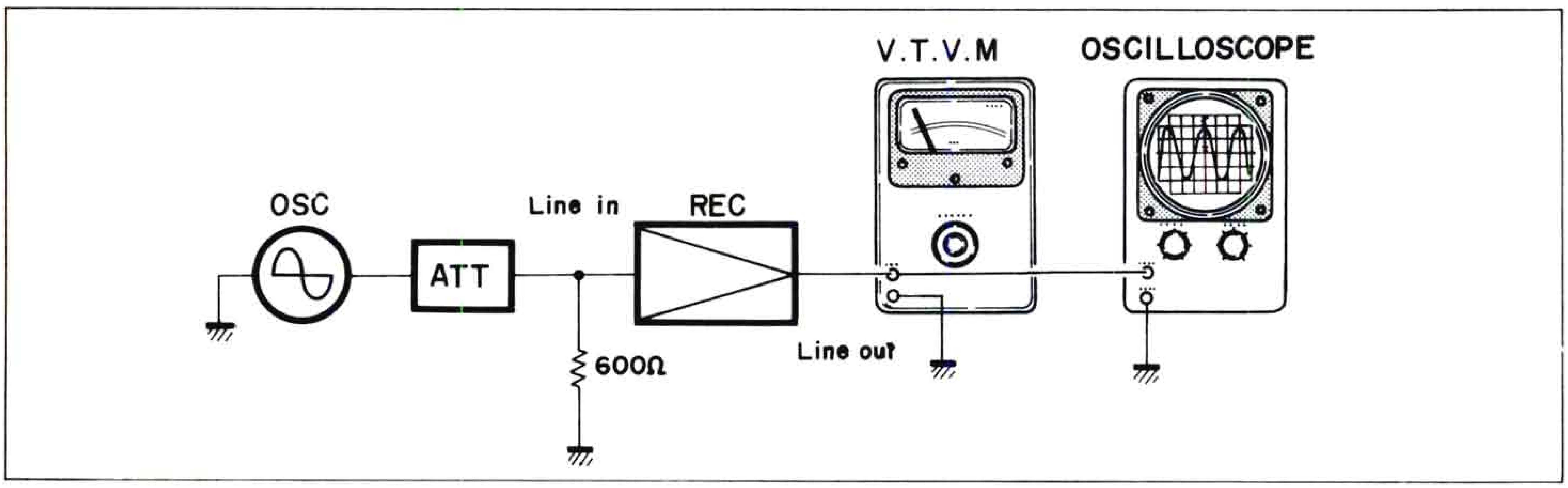



### 5. RECORDING CURRENT

In the recording condition, apply a level of 1 KHz, −20 dBm to Line In, and adjust REC LEVEL until the Line Out's output obtains −6.5 dBm. Then, adjust temporarily the semi-fixed resistors, VR103 (L) and VR203 (R), for the recording current of the recording/reproduction head terminal (10Ω).

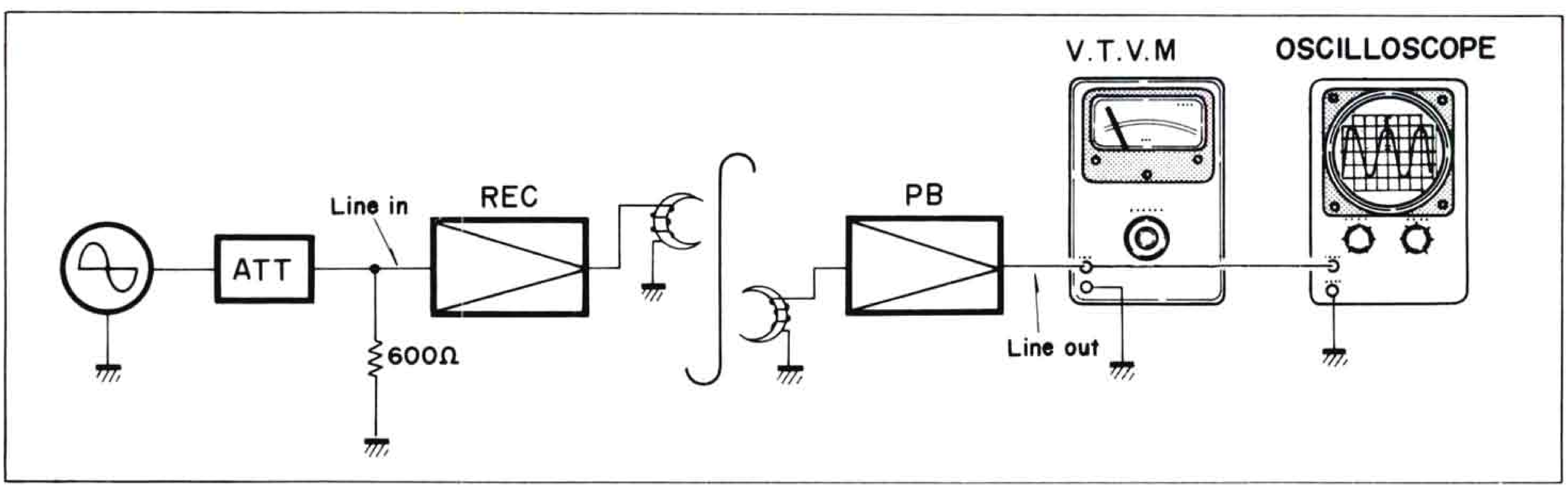
| | L | R | |
|---|---|---|---|
| LH | VR103 | VR203 | −65.5dBm |
| FeCr | | | −66dBm |
| $CrO_2$ | | | −62dBm |

- During this control, be sure that the bias oscillation is inoperative, through short-circuiting the erasure head.



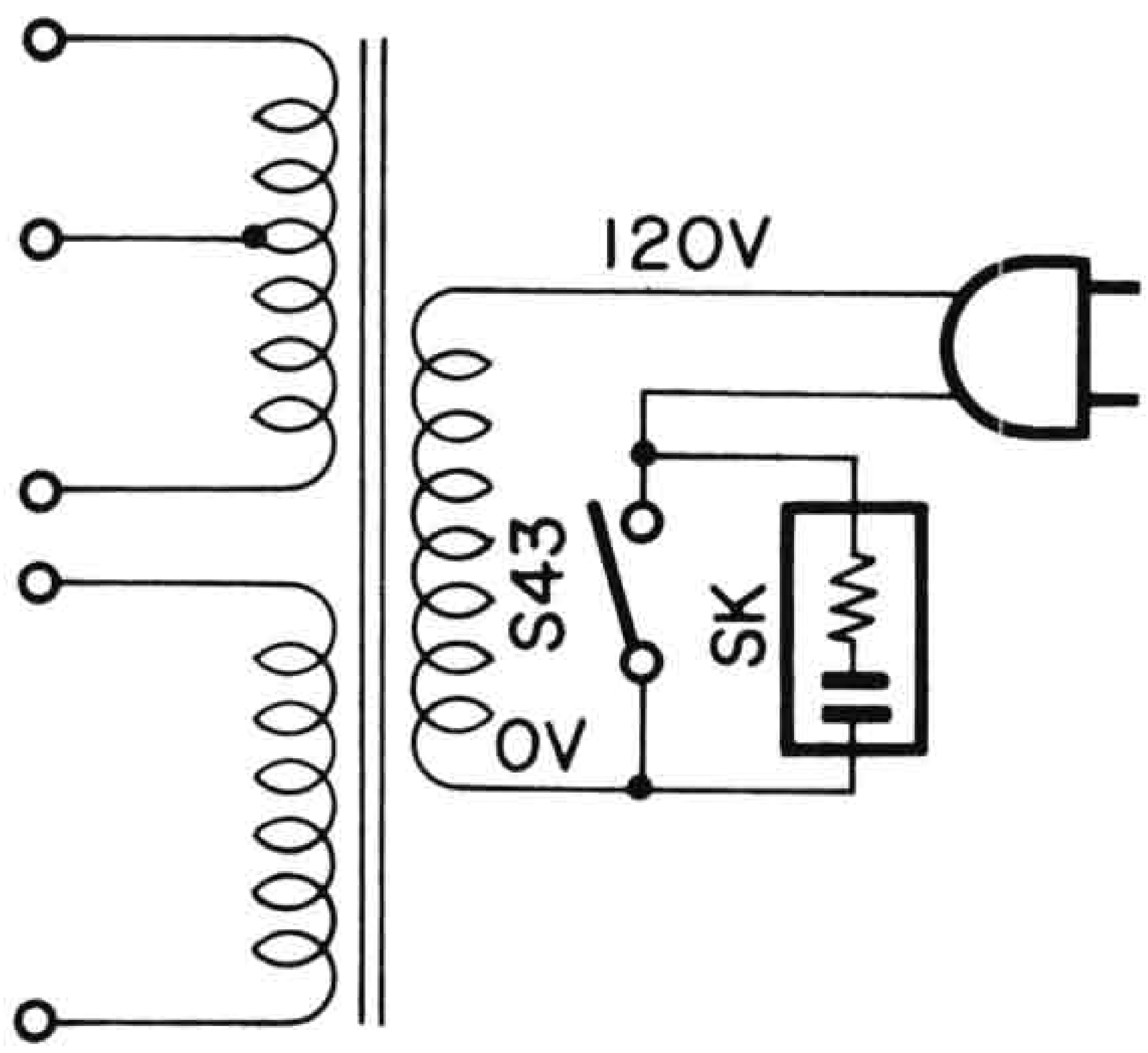

### 6. RECORDING LEVEL

After the recording current is temporarily adjusted in the preceding control of the recording current, record the 333 Hz. Next, reproduce it, and adjust the semi-fixed resistors, VR103 (L) and VR203 (R), until the Line Out's output obtains a −6.5 dBm.

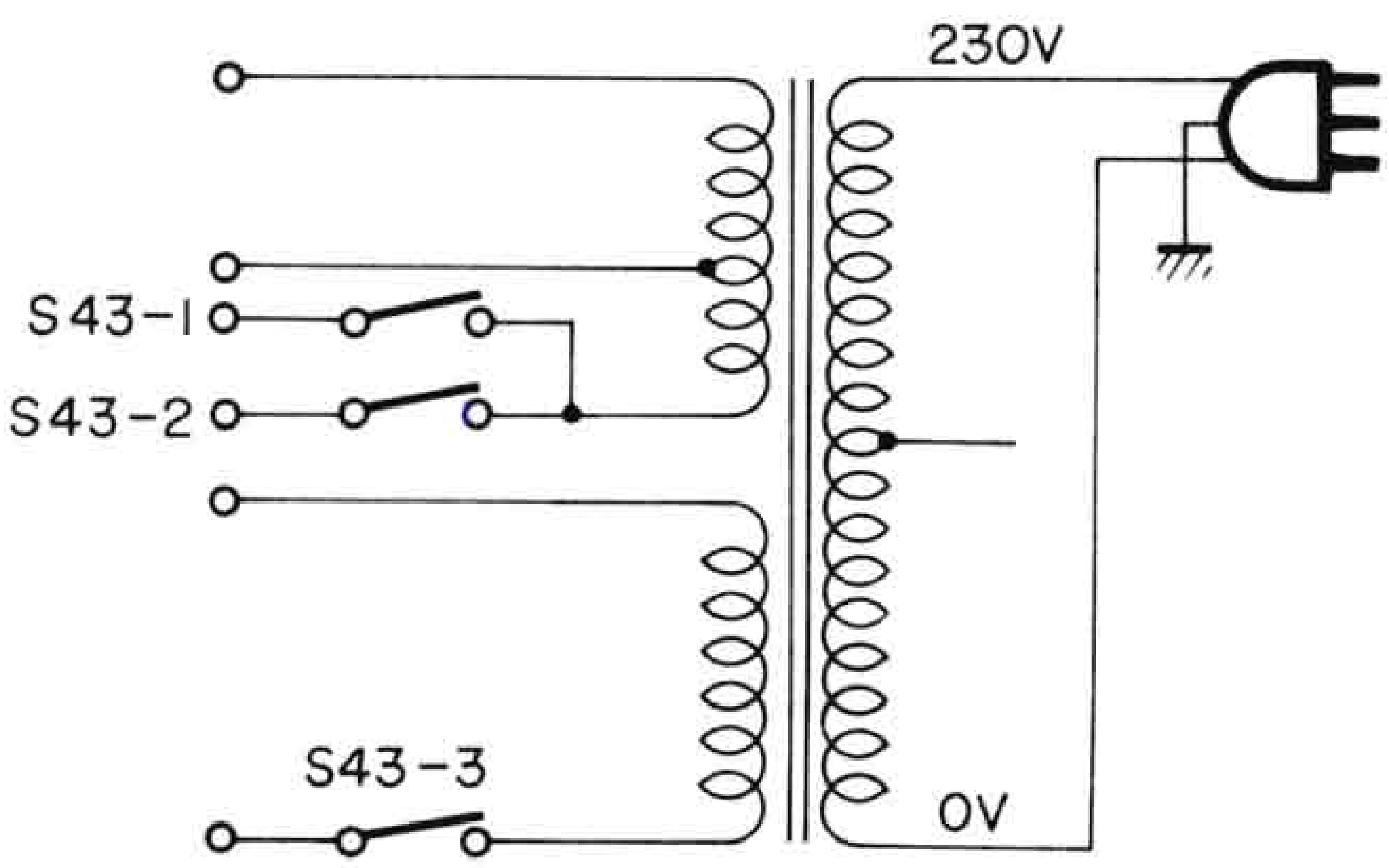


# LINE VOLTAGE CONVERSION

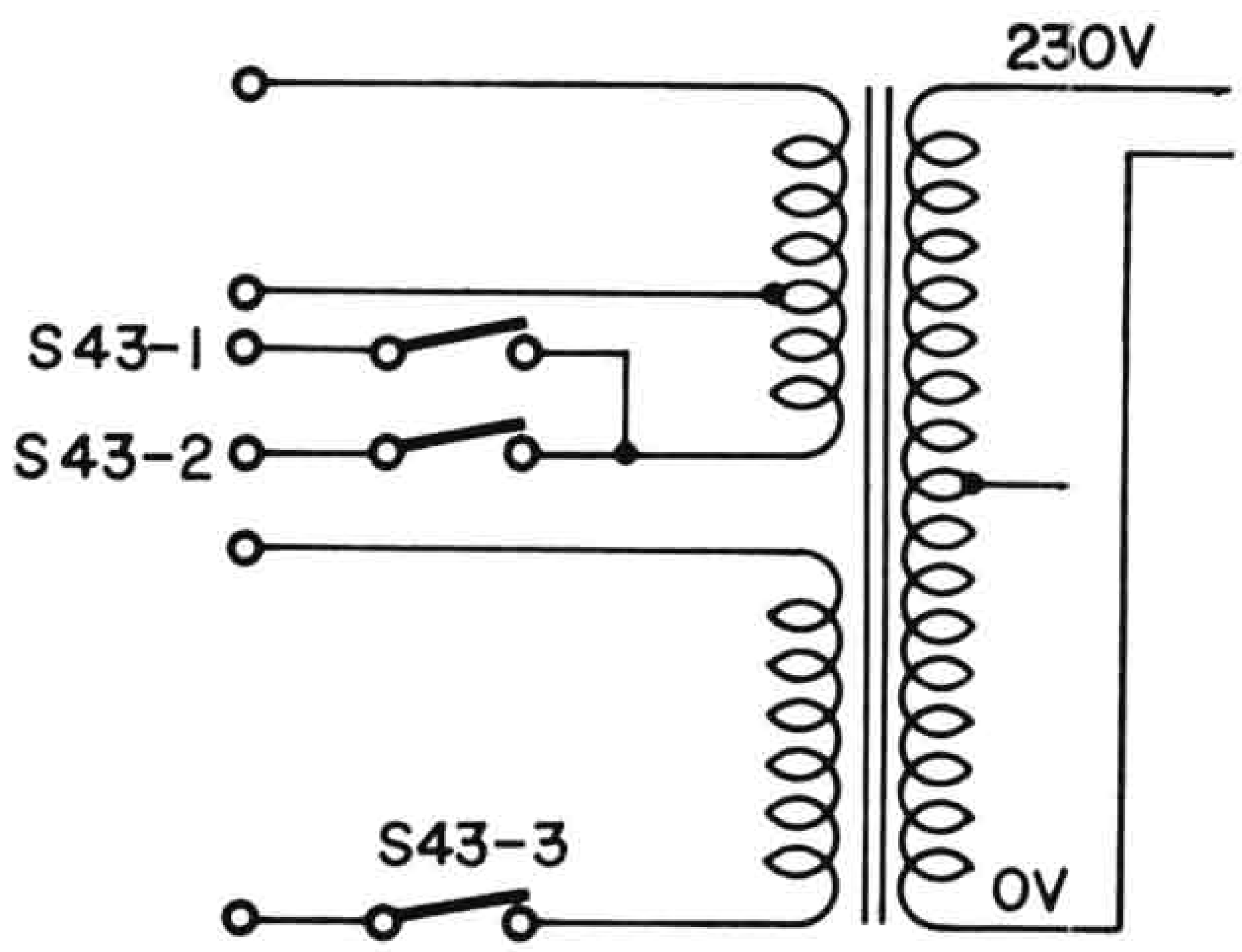
▼U.S. & CANADIAN MODELS



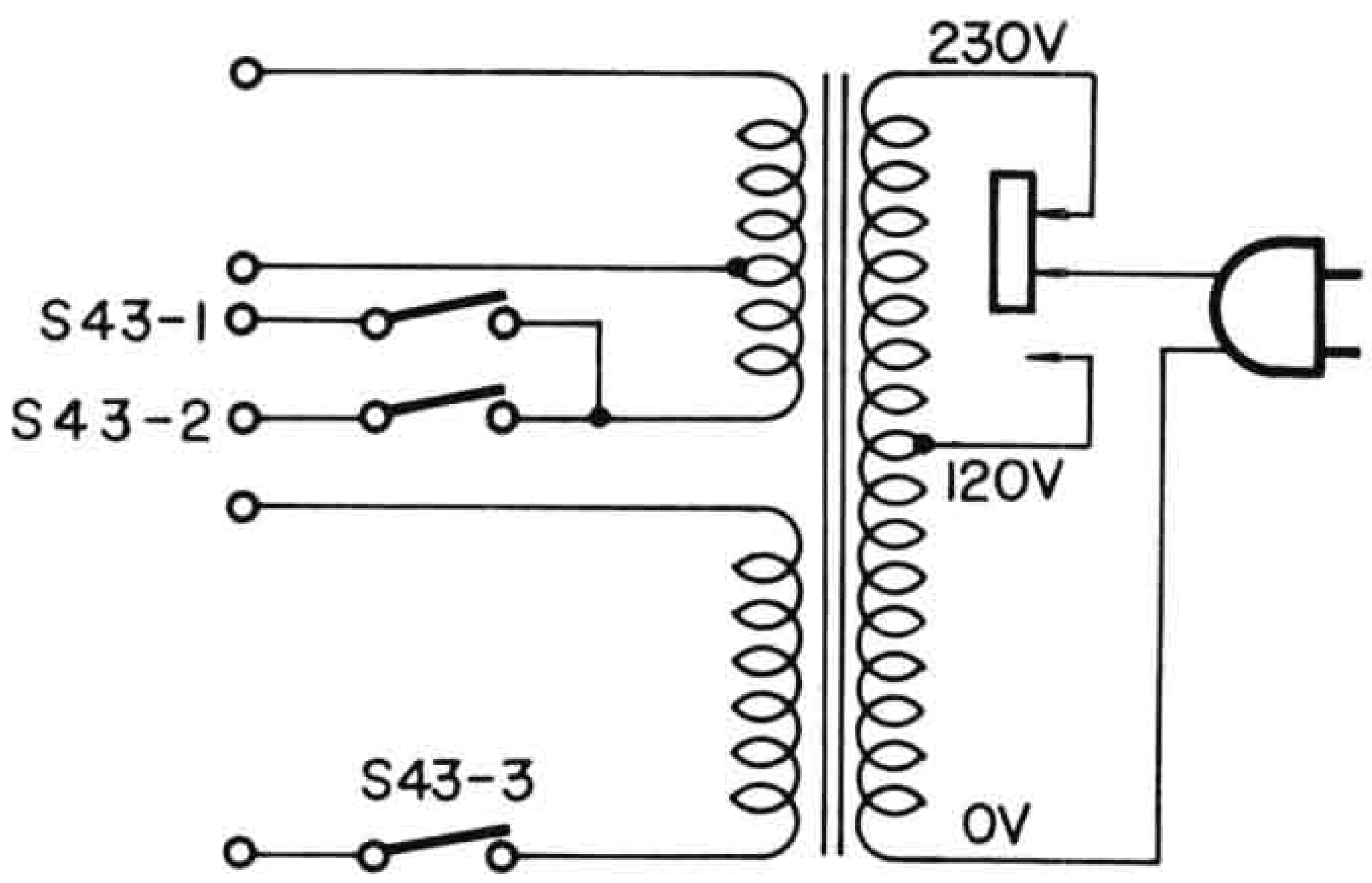

▼AUSTRALIAN MODEL



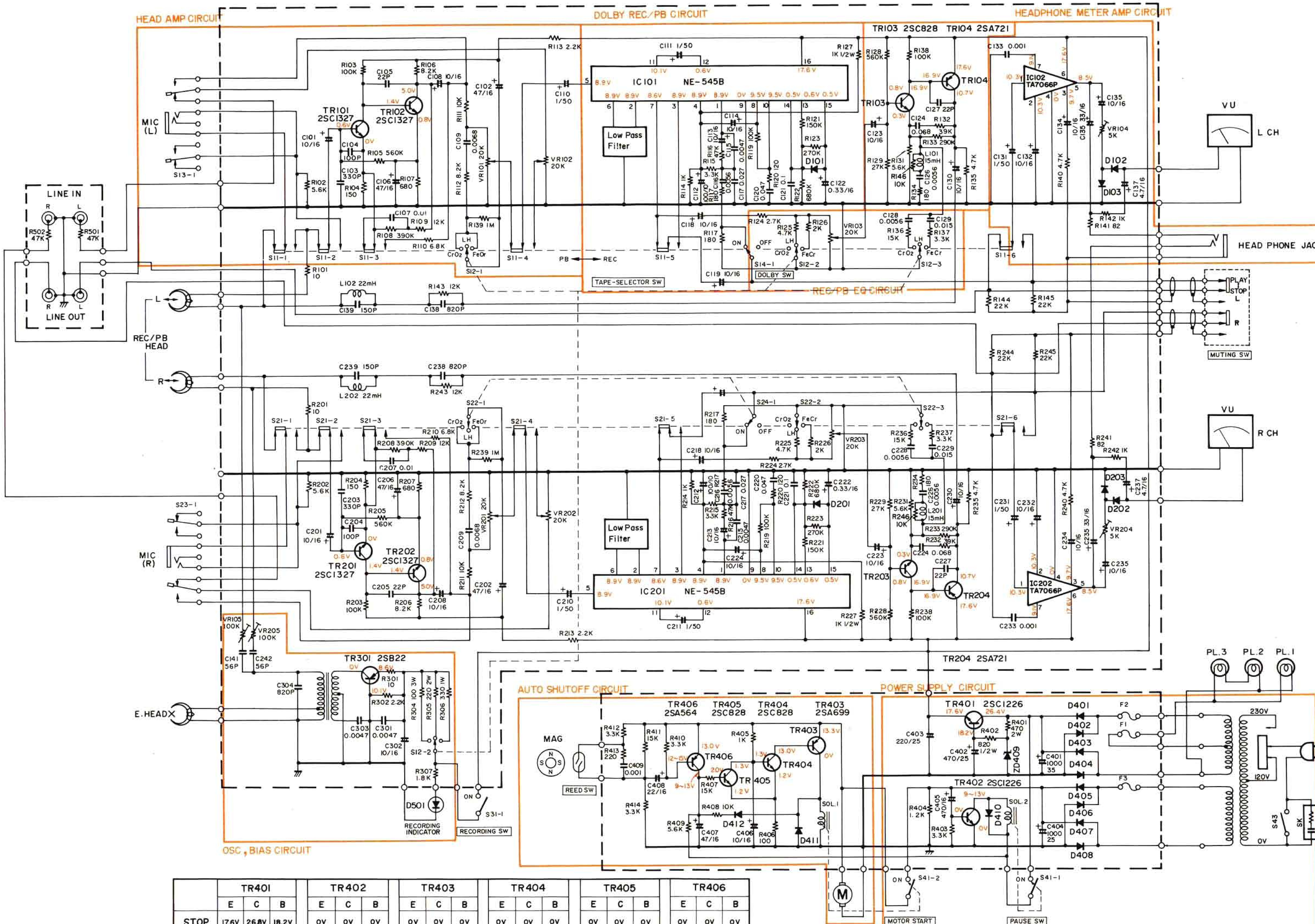

▼BRITISH MODEL




▼EUROPEAN MODEL

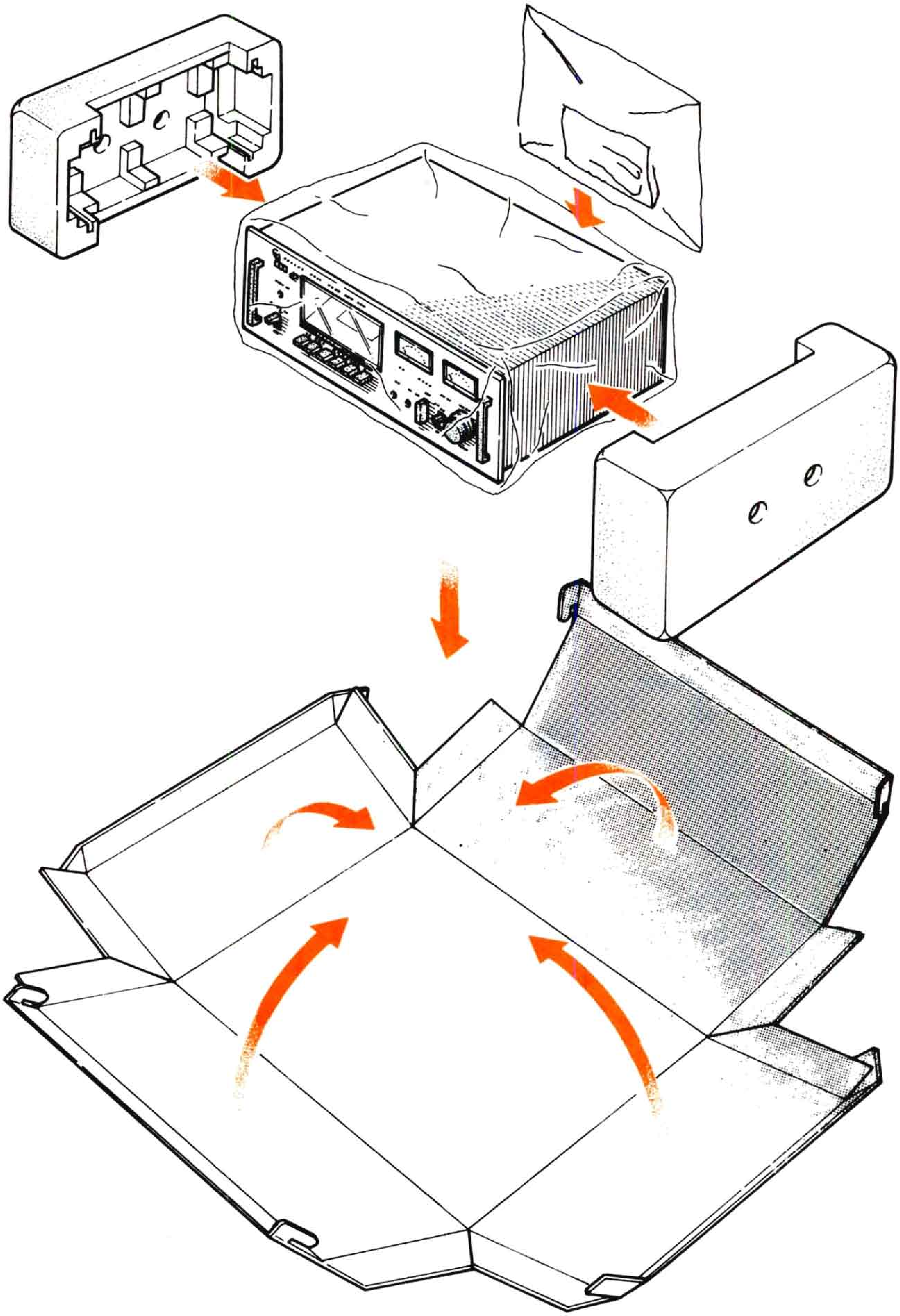


# SCHEMATIC DIAGRAM



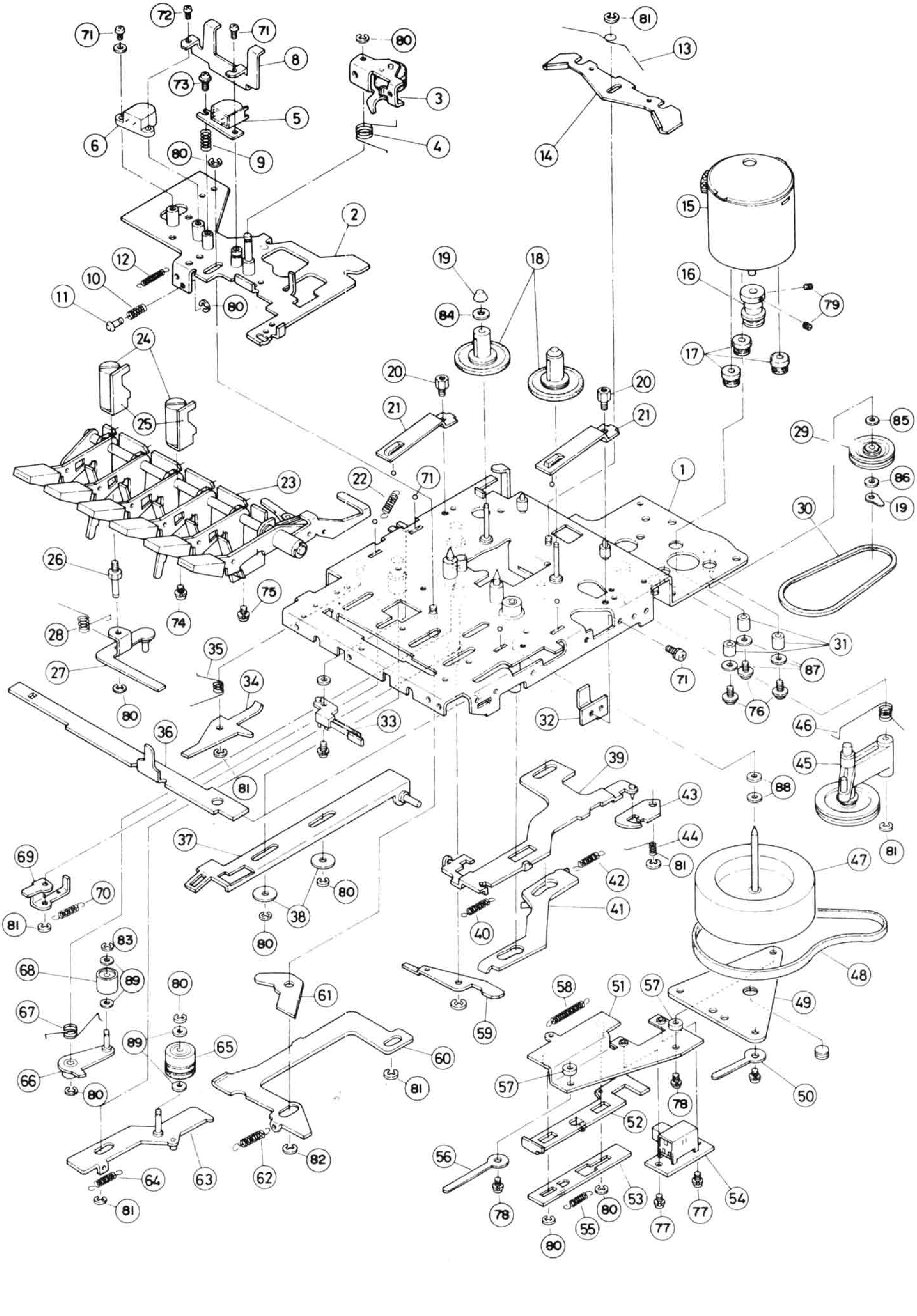

| | TR401 | | | TR402 | | | TR403 | | | TR404 | | | TR405 | | | TR406 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | E | C | B | E | C | B | E | C | B | E | C | B | E | C | B | E | C | B |
| STOP | 17.6V | 26.8V | 18.2V | 0V | 0V | 0V | 0V | 0V | 0V | 0V | 0V | 0V | 0V | 0V | 0V | 0V | 0V | 0V |
| PLAY (PAUSE) | 17.6V | 26.4V | 18.2V | 0V | 26.4V | 0V | 13.3V | 0V | 13.2V | 1.3V | 13.0V | 1.3V | 1.3V | 1.3V | 2.0V | 13.3V | 14.8V | 14.1V |

# PACKAGE



| Ref. No. | Part No. | Description | | Remarks | Common Models | |
|---|---|---|---|---|---|---|
| 1 | 42 00 00 SX 98 20 20 | Cabinet Wooden Case | 外装カバー | | | |
| 2 | 42 00 00 SX 98 20 30 | Cassette Housing S | カセットハウジングS | | | |
| 2 | 42 00 00 SX 98 20 40 | Cassette Housing B | カセットハウジングB | | | |
| 3 | 42 00 00 SX 98 20 50 | Timing Arm Holder Plate | タイミングアーム取付板組立 | | | |
| 4 | 42 00 00 SX 98 20 60 | Spring for Pause Lock Plate | ポーズロック板 | | | |
| 5 | 42 00 00 SX 98 20 70 | Spring for Lock Plate | ロック板バネ | | | |
| 6 | 42 00 00 SX 98 20 80 | Door Timing Arm Ass'y | ドアータイミングアーム組立 | | | |
| 7 | 42 00 00 SX 98 20 90 | Spring for Timing Arm | タイミングアームバネ | | | |
| 8 | 42 00 00 SX 98 21 00 | Housing shaft | ハウジングシャフト | | | |
| 9 | 42 00 00 SX 98 21 10 | Housing Cover | ハウジングカバー | | | |
| 10 | 42 00 00 SX 98 21 20 | Lamp Tube D | ラングチューブD | | | |
| 11 | 42 00 00 SX 98 21 30 | Pilot Lamp | パイロットランプ | | | |
| 12 | 42 00 00 SX 98 21 40 | Lamp Cover | ラップカバー | | | |
| 13 | 42 00 00 SX 98 21 50 | Mirror | ミラー | | | |
| 14 | 42 00 00 SX 98 21 60 | Spring Pressure | カセット押シバネ | | | |
| 15 | 42 00 00 SX 98 21 80 | Back Panel | リアパネル | US/Canadian models | | |
| 15 | 42 00 00 SX 98 21 90 | Back Panel | 〃 | European model | | |
| 15 | 42 00 00 SX 98 22 00 | Back Panel | 〃 | Australian model | | |
| 15 | 42 00 00 SX 98 22 10 | Back Panel | 〃 | General model | | |
| 16 | 42 00 00 SX 98 22 20 | Cord Bussing | コードブッシング(ヘイコ) | | | |
| 16 | 42 00 00 SX 98 22 30 | Cord Bussing | コードブッシング(エビック) | | | |
| 17 | 42 00 00 SX 98 22 50 | AC Cord | 電源コード | US/Canadian models | | |
| 17 | 42 00 00 SX 98 22 60 | AC Cord | 〃 | Australian model | | |
| 17 | 42 00 00 SX 98 22 70 | AC Cord | 〃 | European model | | |
| 17 | 42 00 00 SX 98 22 80 | AC Cord | 〃 | BS model | | |
| 18 | 42 00 00 SX 98 22 90 | Cover Cushion A | 外装カバークッションA | | | |
| 19 | 42 00 00 SX 98 23 00 | Pin Jack Plate Ass'y 4P | 入出力ジャック板Ass'y | | | |
| 20 | 42 00 00 SX 98 23 10 | Pin Jack Plate Ass'y 4P | 〃 | | | |
| 20 | 42 00 00 SX 98 23 20 | Pin Jack C, B | ジャックP. C. B 組立 | | | |
| 21 | 42 00 00 SX 98 23 30 | Door | ドアー | | | |
| 22 | 42 00 00 SX 98 23 40 | Door Support Shaft | ドアー支持軸 | | | |
| 23 | 42 00 00 SX 98 23 50 | Spring, Door | ドアーバネ | | | |
| 24 | 42 00 00 SX 98 23 60 | Door Support Plate Right | ドアー支持板R | | | |
| 25 | 42 00 00 SX 98 23 70 | Door Support Plate Left | ドアー支持板L | | | |
| 26 | 42 00 00 SX 98 23 80 | Panel Holder Plate A | パネル取付板A | | | |
| 27 | 42 00 00 SX 98 23 90 | Panel Holder Plate B | パネル取付板B | | | |
| 28 | 42 00 00 SX 98 24 00 | Front Panel S⇨NB07469 | 表面パネルS | | | |
| 28 | 42 00 00 SX 98 24 10 | Front Panel B⇨NB07648 | 表面パネルB | | | |
| 29 | 42 00 00 SX 98 24 20 | Cover Cushion | 外装カバークッション | | | |
| 30 | 42 00 00 SX 98 24 30 | Handle⇨CB07774 | 取手B | | | |
| 30 | 42 00 00 SX 98 24 40 | Handle⇨CB07665 | 〃 | | | |
| 31 | 42 00 00 SX 98 24 50 | Lever Knob Silver | レバーツマミS | | | |
| 31 | 42 00 00 SX 98 24 60 | Lever Knob Black | レバーツマミB | | | |
| 32 | 42 00 00 SX 98 24 70 | Knob, Tape SW Silver⇨BA06441 | テープSW用ツマミS | | | |
| 32 | 42 00 00 SX 98 24 80 | Knob, Tape SW Black⇨BA06848 | テープSW用ツマミB | | | |
| 33 | 42 00 00 SX 98 24 90 | Knob, REC Level Silver BA06862 | RECレベル用ツマミS 1 | | | |
| 33 | 42 00 00 SX 98 25 00 | Knob, REC Level Black BA06861 | RECレベル用ツマミB 1 | | | |
| 34 | 42 00 00 SX 98 25 10 | Knob, REC Level⇨BA06816 Silver | RECレベル用ツマミS 2 | | | |
| 34 | 42 00 00 SX 98 25 20 | Knob, REC Level⇨BA06850 Black | RECレベル用ツマミB 2 | | | |

| Ref. No. | Part No. | Description | | Remarks | Common Models | |
|---|---|---|---|---|---|---|
| 35 | 42 00 00 SX 98 25 30 | Bottom Plate | 底　　板 | | | |
| 36 | 42 00 00 SX 98 25 40 | Tran Leg N Type | トランレッグN型 | | | |
| 37 | 42 00 00 SX 98 25 50 | Support, Bottom Plate | 底板取付サポート | | | |
| 38 | 42 00 00 E I 44 00 80 | Binding Tapping Screw　M4 × 8 | バインドタッピングネジ | | | |
| 39 | 42 00 00 ED 03 00 60 | Binding Screw　M3 × 6 | バインド小ネジ | | | |
| 40 | 42 00 00 ED 02 60 50 | – do. –　M26 × 5 | バインド小ネジ | | | |
| 41 | 42 00 00 EJ 03 00 60 | ⊕Pan Tapping Screw　M3 × 6 | ナベタッピングネジ | | | |
| 42 | 42 00 00 E I 03 00 60 | ⊕Binding Tapping Screw　M3 × 6 | バインドタッピングネジ | | | |
| 43 | 42 00 00 EH 02 60 60 | | セムス小ネジ（スプリング付） | | | |
| 44 | 42 00 00 E I 03 01 50 | Binding Tapping Screw　M3 × 15 | バインドタッピングネジ | | | |
| 45 | 42 00 00 EZ 00 01 90 | Binding Hexagonal Set Screw | 6角セットスクリュー | | | |
| 46 | 42 00 00 EV 50 12 00 | Ring E | Eリング | | | |
| 47 | 42 00 00 EV 10 02 60 | Hexagonal Nut　M2.6 | 6角ナット | | | |
| 48 | 42 00 00 EV 10 03 00 | – do. –　M3 | 6角ナット | | | |
| 49 | 42 00 00 EV 10 04 00 | – do. –　M4 | 6角ナット | | | |
| 50 | 42 00 00 EV 20 13 10 | Flat Washer　3.1$\phi$ | 平座金 | | | |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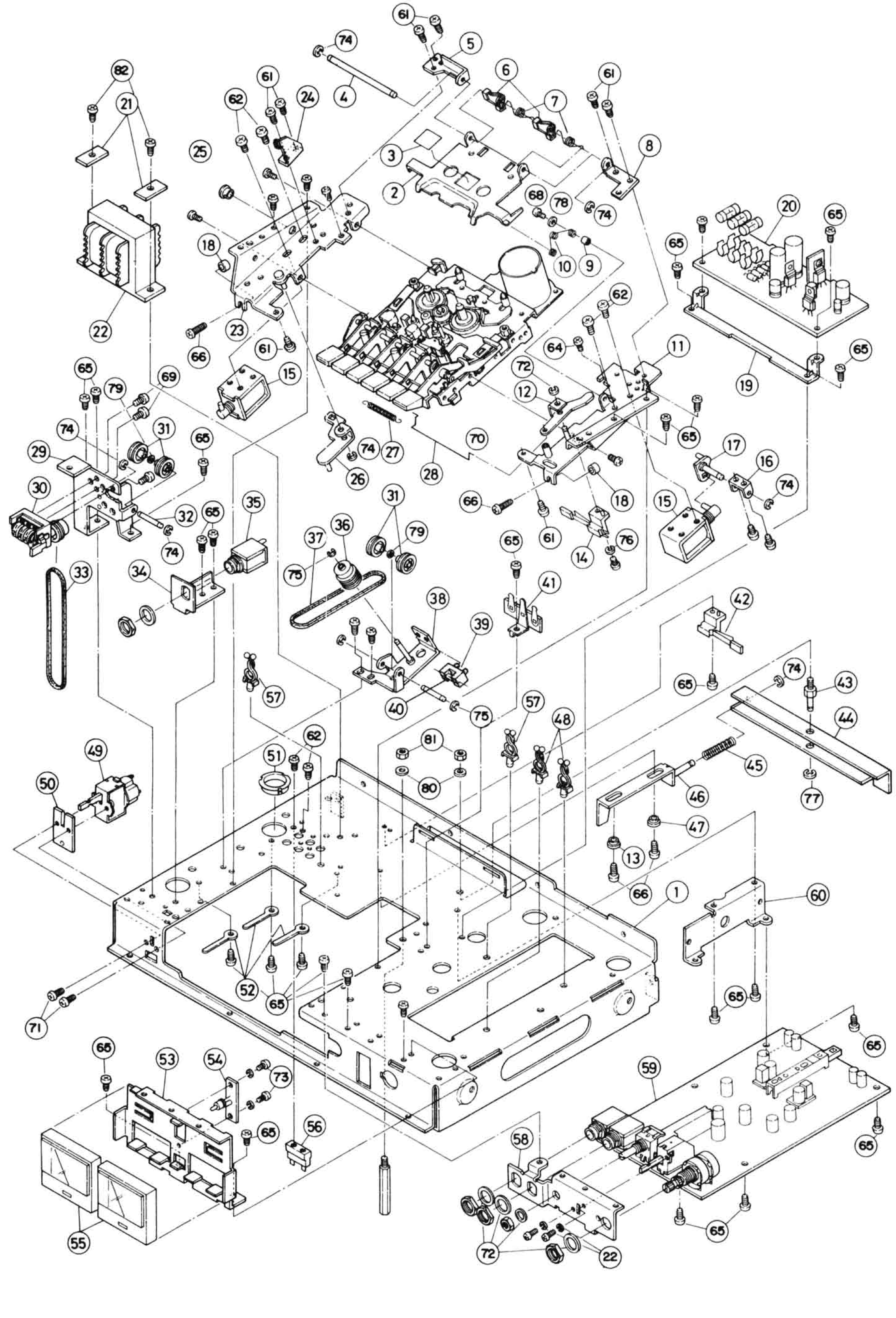
| Ref. No. | Part No. | Description | | Remarks | Common Models | |
|---|---|---|---|---|---|---|
| 1 | 42 00 00 SX 98 32 50 | Chassis Ass'y | メカシャーシ組立 | | | |
| 2 | 42 00 00 SX 98 32 60 | Head Base Ass'y | ヘッドベース組立 | | | |
| 3 | 42 00 00 SX 98 32 70 | Arm Ass'y, Pinch Roller | ピンチローラアーム組立 | | | |
| 4 | 42 00 00 SX 98 32 80 | Spring, Pinch Roller | ピンチローラバネ | | | |
| 5 | 42 00 00 SX 98 32 90 | Head, REC/PB | 録再ヘッド | | | |
| 6 | 42 00 00 SX 98 33 00 | Head, Erase | 消去ヘッド | | | |
| 7 | 42 00 00 SX 98 33 10 | Protecter, Cassette | カセットプロテクター | | | |
| 8 | 42 00 00 SX 98 33 20 | Spring, Head Control | ヘッド調整バネ | | | |
| 9 | 42 00 00 SX 98 33 30 | Spring, Head Base Shaft | ヘッドベース軸バネ | | | |
| 10 | 42 00 00 SX 98 33 40 | Head Base Shaft | ヘッドベース軸 | | | |
| 11 | 42 00 00 SX 98 33 50 | Spring, Head Base | ヘッドベースバネ | | | |
| 12 | 42 00 00 SX 98 33 60 | Spring, Brake Lever | ブレーキレバーバネ | | | |
| 13 | 42 00 00 SX 98 33 70 | Brake Lever | ブレーキレバー | | | |
| 14 | 42 00 00 SX 98 33 80 | Motor Ass'y | モーター | | | |
| 15 | 42 00 00 SX 98 33 90 | Motor Pulley | モータープーリー | | | |
| 16 | 42 00 00 SX 98 34 00 | Rubber, Motor Holder | モーター取付ゴム | | | |
| 17 | 42 00 00 SX 98 34 10 | Reel Tablet Ass'y B | リール受台B組立 | | | |
| 18 | 42 00 00 SX 98 34 20 | Cap, Reel Shaft | リール軸キャップ | | | |
| 19 | 42 00 00 SX 98 34 30 | Screw, Spring | バネ押エスクリュー | | | |
| 20 | 42 00 00 SX 98 34 40 | Spring, Head Base | ヘッドベース押エバネ | | | |
| 21 | 42 00 00 SX 98 34 50 | Spring B, REC Lever | RECレバーバネB | | | |
| 22 | 42 00 00 SX 98 34 60 | Push button Ass'y S | 押シボタンブロック組立S | | | |
| 23 | 42 00 00 SX 98 34 70 | Push button Ass'y B | 押シボタンブロック組立B | | | |
| 24 | 42 00 00 SX 98 34 80 | Support, Push button | 押シボタン補強サポート | | | |
| 25 | 42 00 00 SX 98 34 90 | Reinforce Plate, Push button | 押ボタン補強板 | | | |
| 26 | 42 00 00 SX 98 35 00 | Shaft, Mute Timing Lever | ミュートタイミングレバー軸 | | | |
| 27 | 42 00 00 SX 98 35 10 | Mute Timing Lever Ass'y | ミュートタイミングレバー組立 | | | |
| 28 | 42 00 00 SX 98 35 20 | Spring, Mute Lever | ミュートレバーバネ | | | |
| 29 | 42 00 00 SX 98 35 30 | RWD Idler Ass'y | 巻取アイドラー組立 | | | |
| 30 | 42 00 00 SX 98 35 40 | Belt for RWD Pulley | 巻取プーリーベルト | | | |
| 31 | 42 00 00 SX 98 35 50 | Spacer | モーター取付ガラン | | | |
| 32 | 42 00 00 SX 98 35 60 | Holder for Pause Lever | ポーズ作動レバー押エ | | | |
| 33 | 42 00 00 SX 98 35 70 | Leaf Switch | モーター駆動用リーフSW | | | |
| 34 | 42 00 00 SX 98 35 80 | REC Lever B5 | RECレバーB5 | | | |
| 35 | 42 00 00 SX 98 35 90 | Spring B | RECレバーバネB | | | |
| 36 | 42 00 00 SX 98 36 00 | Plate, Auto Stop | オートストップ作動板 | | | |
| 37 | 42 00 00 SX 98 36 10 | REC Slide Plate A Ass'y | RECスライド板A組立 | | | |
| 38 | 42 00 00 SX 98 36 20 | Flat Washer | 平座金 | | | |
| 39 | 42 00 00 SX 98 36 30 | Pause Differential Lever Ass'y | ポーズ作動レバー組立 | | | |
| 40 | 42 00 00 SX 98 36 40 | Spring, Palse Lever | ポーズ作動レバーバネ | | | |
| 41 | 42 00 00 SX 98 36 50 | FF Connecting Lever Ass'y | FF連動レバー組立 | | | |
| 42 | 42 00 00 SX 98 36 60 | Spring, FF Lever | FF連動レバーバネ | | | |
| 43 | 42 00 00 SX 98 36 70 | Locking Plate, Pause | ポーズロック板 | | | |
| 44 | 42 00 00 SX 98 36 80 | Spring, Locking Plate | ポーズロック板バネ | | | |
| 45 | 42 00 00 SX 98 36 90 | Tension Arm Ass'y | テンションアーム総組立 | | | |
| 46 | 42 00 00 SX 98 37 00 | Spring, Roller | 駆動ローラアームバネ | | | |
| 47 | 42 00 00 SX 98 37 10 | Flywheel Ass'y | フライホイール総組立 | | | |
| 48 | 42 00 00 SX 98 37 20 | Belt, Flywheel | フライホイールベルト | | | |
| 49 | 42 00 00 SX 98 37 30 | Spring, Flywheel | フライホイール受板 | | | |

| Ref. No. | Part No. | Description | | | Remarks | Common Models | |
|---|---|---|---|---|---|---|---|
| 50 | 42 00 00 SX 98 37 40 | Holder, Wire | | | | | |
| 51 | 42 00 00 SX 98 37 50 | Slide Plate Ass'y | | スライド板取付組立 | | | |
| 52 | 42 00 00 SX 98 37 60 | Differential Plate A Slide SW | | スライドSW作動板A | | | |
| 53 | 42 00 00 SX 98 37 70 | Differential Plate B Slide SW | | スライドSW作動板B | | | |
| 54 | 42 00 00 SX 98 37 80 | Muting Circuit Board | | ミューティング P. C. B組立 | | | |
| 55 | 42 00 00 SX 98 37 90 | Spring B | | スライド板バネB | | | |
| 56 | 42 00 00 SX 98 38 00 | Cord Cramper | | コードクランパー | | | |
| 57 | 42 00 00 SX 98 38 10 | Spacer | | カラー | | | |
| 58 | 42 00 00 SX 98 38 20 | Spring A | | スライド板バネA | | | |
| 59 | 42 00 00 SX 98 38 30 | FF Lever | | FFレバー | | | |
| 60 | 42 00 00 SX 98 38 40 | Brake Lever | | ブレーキ作動レバー | | | |
| 61 | 42 00 00 SX 98 38 50 | Lock Safty Plate | | 同時ロック防止板 | | | |
| 62 | 42 00 00 SX 98 38 60 | Spring, Brake Lever | | ブレーキ作動レバーバネ | | | |
| 63 | 42 00 00 SX 98 38 70 | FR Lever Ass'y | | FRレバーブロック組立 | | | |
| 64 | 42 00 00 SX 98 38 80 | Spring D, FF Lever | | FRレバーバネD | | | |
| 65 | 42 00 00 SX 98 38 90 | Idler A Ass'y | | アイドラーA組立 | | | |
| 66 | 42 00 00 SX 98 39 00 | Idler B Ass'y | | アイドラーB組立 | | | |
| 67 | 42 00 00 SX 98 39 10 | Spring, Idler B Lever | | アイドラーBレバーバネ | | | |
| 68 | 42 00 00 SX 98 39 20 | Idler B | | アイドラーB | | | |
| 69 | 42 00 00 SX 98 39 30 | REW Lever B | | REWレバーB | | | |
| 70 | 42 00 00 SX 98 39 40 | Spring REW Lever | | REWレバーバネ | | | |
| 71 | 42 00 00 ED 02 00 60 | Binding Head Screw | M2 × 6 | バインド小ネジ | | | |
| 72 | 42 00 00 ED 02 00 80 | – do. – | M3 × 6 | バインド小ネジ | | | |
| 73 | 42 00 00 EH 02 00 50 | Sews Screw | M2 × 5 | セムス小ネジ | | | |
| 74 | 42 00 00 EH 02 60 80 | – do. – | M2, 6 × 8 | セムス小ネジ | | | |
| 75 | 42 00 00 EH 02 60 40 | – do. – | M2, 6 × 4 | セムス小ネジ | | | |
| 76 | 42 00 00 EH 03 60 70 | – do. – | M2, 6 × 7 | セムス小ネジ | | | |
| 77 | 42 00 00 EH 02 60 60 | – do. – | M2, 6 × 6 | セムス小ネジ | | | |
| 78 | 42 00 00 EH 02 61 00 | – do. – | M2, 6 × 10 | セムス小ネジ | | | |
| 79 | 42 00 00 EZ 00 04 50 | | M2 × 3 | セットスクリュー | | | |
| 80 | 42 00 00 EV 50 02 00 | Ring E | 2$\phi$ | Eリング | | | |
| 81 | 42 00 00 EV 50 02 50 | – do. – | 2.5$\phi$ | Eリング | | | |
| 82 | 42 00 00 EV 50 04 00 | – do. – | 4$\phi$ | Eリング | | | |
| 83 | 42 00 00 EV 50 01 50 | – do. – | 1.5$\phi$ | Eリング | | | |
| 84 | 42 00 00 EV 20 01 60 | Flat Washer | 1.6$\phi$ | 平座金 | | | |
| 85 | 42 00 00 EV 90 06 00 | –do. – | 1.6$\phi$ × 6$\phi$ × 0.5 | 平座金 | | | |
| 86 | 42 00 00 EV 90 04 00 | – do. – | 1.6$\phi$ × 4$\phi$ × 0.3 | 平座金 | | | |
| 87 | 42 00 00 EV 20 02 60 | – do. – | 2.6$\phi$ | 平座金 | | | |
| 88 | 42 00 00 EV 20 02 50 | – do. – | 2.5$\phi$ | 平座金 | | | |
| 89 | 42 00 00 EV 20 02 10 | – do. – | 2.1$\phi$ | 平座金 | | | |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| Ref. No. | Part No. | Description | | Remarks | Common Models | |
|---|---|---|---|---|---|---|
| 1 | 42 00 00 SX 98 25 60 | Main Chassis | メインシャーシ | | | |
| 2 | 42 00 00 SX 98 25 70 | Cassette Holder Plate | カセット受板 | | | |
| 3 | 42 00 00 SX 98 25 80 | Ornament Plate, Cassette | カセット飾り板 | | | |
| 4 | 42 00 00 SX 98 25 90 | Shaft for SX98057 | カセット受板軸 | | | |
| 5 | 42 00 00 SX 98 26 00 | Fixing Board for SX98059 | カセット受板取付板A | | | |
| 6 | 42 00 00 SX 98 26 10 | Cassette Holder | カセット押工具 | | | |
| 7 | 42 00 00 SX 98 26 20 | Spring for SX98061 | カセット押工具 トーションバネ | | | |
| 8 | 42 00 00 SX 98 26 30 | Fixing Board B | カセット受板取付板B | | | |
| 9 | 42 00 00 SX 98 26 40 | Spacer for Click Spring | クリックバネ取付ガラン | | | |
| 10 | 42 00 00 SX 98 26 50 | Click Spring,Cassette Holder | カセット受板 クリックバネ | | | |
| 11 | 42 00 00 SX 98 26 60 | Fixing Plate Ass'y R | メカ取付板R組立 | | | |
| 12 | 42 00 00 SX 98 26 70 | Eject Check Arm | エジェクト防止アーム | | | |
| 13 | 42 00 00 SX 98 26 80 | Slide Board Fixing Collar | スライド板固定カラー | | | |
| 14 | 42 00 00 SX 98 26 90 | Reaf SW, Pause | ポーズ用リーフSW | | | |
| 15 | 42 00 00 SX 98 27 00 | Plunger (P14V) | プランジャー(P14V) | | | |
| 16 | 42 00 00 SX 98 27 10 | Holder Plate, REC Arm | 録音アーム支持板 | | | |
| 17 | 42 00 00 SX 98 27 20 | Time REC Arm Ass'y | タイム録音アーム組立 | | | |
| 18 | 42 00 00 SX 98 27 30 | Fixing Collar, Holder Plate | 取付板固定カラー | | | |
| 19 | 42 00 00 SX 98 27 40 | Amp Fixing Plate C | アンプ取付板C | | | |
| 20 | 42 00 00 SX 98 27 50 | Power Circuit Board | 電源P. C. B組立 | | | |
| 21 | 42 00 00 SX 98 27 60 | Transformer Holder | トランス押エ | | | |
| 22 | 42 00 00 SX 98 27 80 | Power Transformer | 電源トランス | US/Canadian models | | |
| 22 | 42 00 00 SX 98 27 90 | Power Transformer | 〃 | General model | | |
| 22 | 42 00 00 SX 98 28 00 | Power Transformer Class 2 | 〃 | Australian, European, B.S models | | |
| 23 | 42 00 00 SX 98 28 10 | Fixing Board Ass'y L | メカ取付板L組立 | | | |
| 24 | 42 00 00 SX 98 28 20 | Stopper, Cassette Holder | カセット受取 ストッパー | | | |
| 25 | 42 00 00 SX 98 28 30 | Miniature Bussing | ミニチュアブッシング | | | |
| 26 | 42 00 00 SX 88 28 40 | Autostop Arm Ass'y | オートストップ アーム組立 | | | |
| 27 | 42 00 90 SX 98 28 50 | Spring, Differential Plate | 作動板バネ | | | |
| 28 | 32 00 00 SX 98 28 60 | Eject Contact Lever | エジェクト連結バー | | | |
| 29 | 42 00 00 SX 98 28 70 | Counter Holder Plate Ass'y | カウンター取付板組立 | | | |
| 30 | 42 00 00 SX 98 28 80 | Index Counter | カウンター | | | |
| 31 | 42 00 00 SX 98 28 90 | Counter Pulley B | カウンタープーリーB | | | |
| 32 | 42 00 00 SX 98 29 00 | Shaft, Counter Pulley B | カウンタープーリーB軸 | | | |
| 33 | 42 00 00 SX 98 29 10 | Belt, Index Counter 103.5 | カウンターベルト $\phi$103.5 | | | |
| 34 | 42 00 00 SX 98 29 20 | Juck Holder Plate | ジャック取付板 | | | |
| 35 | 42 00 00 SX 98 29 30 | Head Phone Jack | ヘッドフォーンジャック | | | |
| 36 | 42 00 00 SX 98 29 40 | Index Counter Pulley A | カウンタープーリーA | | | |
| 37 | 42 00 00 SX 98 29 50 | Belt, Index Counter 70.3 | カウンターベルト $\phi$70.3 | | | |
| 38 | 42 00 00 SX 98 29 60 | Contact Pulley Holder Plate | 中継プーリー 取付板組立 | | | |
| 39 | 42 00 00 SX 98 29 70 | SW Holder Plate | スイッチ受座 | | | |
| 40 | 42 00 00 SX 98 29 80 | Reed Switch | リードSW MAH-16 | | | |
| 41 | 42 00 00 SX 98 29 90 | Lug Terminal 1-L-1 | ラグ端子 1-L-1 | | | |
| 42 | 42 00 00 SX 98 30 00 | Reaf Switch | リーフSW | | | |
| 43 | 42 00 00 SX 98 30 10 | Shaft, REC Arm | REC 作動アーム固定軸 | | | |
| 44 | 42 00 00 SX 98 30 20 | REC Differential Arm | REC作動アーム | | | |
| 45 | 42 00 00 SX 98 30 30 | Spring, REC | REC圧縮バネ | | | |
| 46 | 42 00 00 SX 98 39 40 | REC Slide Plate B Ass'y | REC スライド板B組立 | | | |
| 47 | 42 00 00 SX 98 30 50 | Fixing Spacer A | 固定カラーA | | | |

| Ref. No. | Part No. | Description | | | Remarks | Common Models | |
|---|---|---|---|---|---|---|---|
| 48 | 42 00 00 SX 98 30 60 | Lock | NO-249 | バースロックNo.249 | | | |
| 49 | 42 00 00 SX 98 30 70 | Power SW | SY-02 | 電源スイッチSY02 | General model | | |
| 49 | 42 00 00 SX 98 30 80 | Power SW | | 電源スイッチSY02-2 | General model | | |
| 49 | 42 00 00 SX 98 31 00 | Power SW | | 〃 | US/Canadian models | | |
| 49 | 42 00 00 SX 98 31 10 | Power SW | | 〃 | B.S model | | |
| 49 | 42 00 00 SX 98 31 20 | Power SW | | 〃 | Australian & European models | | |
| 50 | 42 00 00 SX 98 31 30 | Spacer for Power SW | | パワーSW<br>取付スペーサー | | | |
| 51 | 42 00 00 SX 98 31 40 | Bushing S | | ショーティーブッシング | | | |
| 52 | 42 00 00 SX 98 31 50 | Cord Cranper | | コードクランパー | | | |
| 53 | 42 00 00 SX 98 31 60 | Plate for VU Meter | | VUメーター取付板B | | | |
| 54 | 42 00 00 SX 98 31 70 | LED Circuit Board | | LED P.C.B組立 | | | |
| 55 | 42 00 00 SX 98 31 80 | VU Meter | TD-268S | TD268S<br>VUメーターS | | | |
| 55 | 42 00 00 SX 98 31 90 | VU Meter | TC-268B | TD268B<br>VUメーターB | | | |
| 56 | 42 00 00 SX 98 32 00 | Stand, Terminal | | カラー端子台 | | | |
| 57 | 42 00 00 SX 98 32 10 | Lock | | バースロック | | | |
| 58 | 42 00 00 SX 98 32 20 | Amp Holder A | | アンプ取付板A | | | |
| 59 | 42 00 00 SX 98 32 30 | Main Circuit Board | | メインP.C.B組立 | | | |
| 60 | 42 00 00 SX 98 32 40 | Amp Holder B | | アンプ取付板B | | | |
| 61 | 42 00 00 ED 03 00 40 | Binding Head Screw | M3 × 4 | バインド小ネジ | | | |
| 62 | 42 00 00 ED 03 00 60 | – do. – | M3 × 6 | バインド小ネジ | | | |
| 63 | 42 00 00 ED 02 60 40 | – do. – | M2.6 × 4 | バインド小ネジ | | | |
| 64 | 42 00 00 ED 03 00 30 | – do. – | M2.6 × 3 | バインド小ネジ | | | |
| 65 | 42 00 00 E I 03 00 60 | Binding Tapping Screw | M3 × 6 | バインドタッピングネジ | | | |
| 66 | 42 00 00 E I 03 01 00 | – do. – | M3 × 10 | バインドタッピングネジ | | | |
| 67 | 42 00 00 ED 02 60 60 | Binding Head Screw | M2.6 × 6 | バインド小ネジ | | | |
| 68 | 42 00 00 ED 02 60 70 | – do. – | M2.6 × 7 | バインド小ネジ | | | |
| 69 | 42 00 00 EA 03 00 50 | Pan Head Screw | M3 × 5 | ナベ小ネジ | | | |
| 70 | 42 00 00 EV 02 61 50 | Binding Head Screw | M2.6 × 15 | バインド小ネジ | | | |
| 71 | 42 00 00 EA 03 00 80 | Pan Head Screw | M3 × 8 | ナベ小ネジ | | | |
| 72 | 42 00 00 EH 03 00 50 | Sews Screw | | セムス小ネジ | | | |
| 73 | 42 00 00 EV 02 60 40 | – do. – | | セムス小ネジ | | | |
| 74 | 42 00 00 EV 50 02 00 | Ring E | | Eリング | | | |
| 75 | 42 00 00 EV 50 01 50 | – do. – | | Eリング | | | |
| 76 | 42 00 00 EV 50 02 60 | – do. – | | Eリング | | | |
| 77 | 42 00 00 EV 50 04 00 | – do. – | | Eリング | | | |
| 78 | 42 00 00 EV 20 02 60 | Flat Washer | 2.6φ | 平座金 | | | |
| 79 | 42 00 00 EV 20 02 10 | – do. – | 2.1φ | 平座金 | | | |
| 80 | 42 00 00 EV 20 04 00 | – do. – | | 平座金 | | | |
| 81 | 42 00 00 EV 10 04 00 | Hexagonal Nut | M4 | 6角ナット | | | |
| 82 | 42 00 00 E I 04 00 80 | Binding Tapping Screw | M4 × 8 | バイドタッピングネジ | | | |

| Ref. No. | Part No. | Description | | | Remarks | Common Models | |
|---|---|---|---|---|---|---|---|
| | 42 00 00 SX 98 32 30 | **Main Circuit Board** | | メインP.C.B組立 | | | |
| | 42 00 00 1A 07 21 00 | Transistor | 2SA721 | 2 S A 7 2 1 | | | |
| | 42 00 00 1B 00 22 00 | – do. – | 2SB22 | 2 S B 2 2 | | | |
| | 42 00 00 1C 08 28 00 | – do. – | 2SC828 | 2 S C 8 2 8 | | | |
| | 42 00 00 1C 13 27 00 | – do. – | 2SC1327 | 2 S C 1 3 2 7 | | | |
| | 42 00 00 1F 00 03 30 | Diode | 1S188 | 1S188 AMorOA90 | | | |
| | 42 00 00 1G 99 00 20 | IC | NE545B | I C NE545B | | | |
| | 42 00 00 1G 99 00 30 | – do. – | TA7066P | TA7066P | | | |
| | 42 00 00 SX 98 39 50 | Radiator | 2SB22 | 放熱フィン2SB22用 | | | |
| | 42 00 00 SX 98 39 60 | REC/PB Switch | | 録再スイッチ (2列12回路2接点) | | | |
| | 42 00 00 SX 98 40 00 | Volume | 50KA | ボリューム50KA (2軸2連16φ) | | | |
| | | | | 〃 | | | |
| | 42 00 00 SX 98 39 70 | Rotary SW | | ロータリースイッチ (8回路3接点) | | | |
| | 42 00 00 SX 98 39 80 | Lever SW | | レバースイッチ (2回路2接点) | | | |
| | 42 00 00 SX 98 39 90 | Mic Jack | | マイクロフォンジャック | | | |
| | | | | 半固定ボリューム8φ | | | |
| | 42 00 00 SX 98 40 10 | Semi Volume 8φ | 5KB | 5KB | | | |
| | 42 00 00 SX 98 40 20 | – do. – | 20KB | 20KB | | | |
| | 42 00 00 SX 98 40 30 | – do. – | 200KB | 200KB | | | |
| | | | | ドルビーローパスフィルター | | | |
| | 42 00 00 SX 98 40 40 | DOLBY Low Pass Filter | LPF0038 | | | | |
| | 42 00 00 SX 98 40 40 | | VSL200-15D | | | | |
| | 42 00 00 SX 98 40 50 | Bias Oscillation Coil | | バイアスOSCコイル | | | |
| | 42 00 00 SX 98 40 60 | Coil | 15mH ± 10% (153K) | 固定インダクター | | | |
| | 42 00 00 SX 98 40 70 | | 20mH ± 10% (223K) | | | | |
| | 42 00 00 SX 98 23 20 | **Jack Circuit Board** | | ジャックP.C.B組立 | | | |
| | 42 00 00 SX 98 23 00 | Jack Board Ass'y (Input & Output) | | 入出力ジャック板 Ass'y | | | |
| | 42 00 00 SX 98 40 80 | Slide Switch | | スライドスイッチ (2回路2接点) | | | |

| Ref. No. | Part No. | Descrption | | | Remarks | Common Models | |
|---|---|---|---|---|---|---|---|
| | 42 00 00 SX 98 31 70 | **LED Circuit Board** | | LED P.C.B組立 | | | |
| | 42 00 00 IF 00 06 80 | – do. – | | LED SLT-132B | | | |
| | 42 00 00 IF 00 05 20 | – do. – | | LED GD-4-203RD | | | |
| | 42 00 00 SX 98 27 50 | **Power Circuit Board** | | 電源P. C. B組立 | | | |
| | 42 00 00 IA 05 64 70 | Transistor | 2SA564 | トランジスタ 2SA 564 | | | |
| | 42 00 00 IA 06 99 00 | – do. – | 2SA699 | トランジスタ 2SA 699 | | | |
| | 42 00 00 IC 08 28 00 | – do. – | 2SC828 | トランジスタ 2SC 828 | | | |
| | 42 00 00 IC 12 26 00 | – do. – | 2SC1226 (Q.R) | トランジスタ 2SC1226(Q. R) | | | |
| | 42 00 00 IH 00 00 60 | Diode | IN4002 (4003) | ダイオード IN4002(4003) | SERVICING 10D-4 | | |
| | 42 00 00 IH 00 00 60 | – do. – | 10D-1 | ダイオード 10D－1 | | | |
| | 42 00 00 IF 99 01 10 | – do. – | TD960016-1 | ダイオード TD－960016－1 | | | |
| | 42 00 00 IF 99 01 00 | Zener Diode | WZ182 | ダイオード ZDI WZ-182 | | | |
| | 42 00 00 SX 98 40 90 | **Heat Sink** | | 放熱板2SC1226用 | | | |
| | 42 00 00 SX 98 37 80 | **Meeting Circuit Board** | | ミューティングP.C.B | | | |

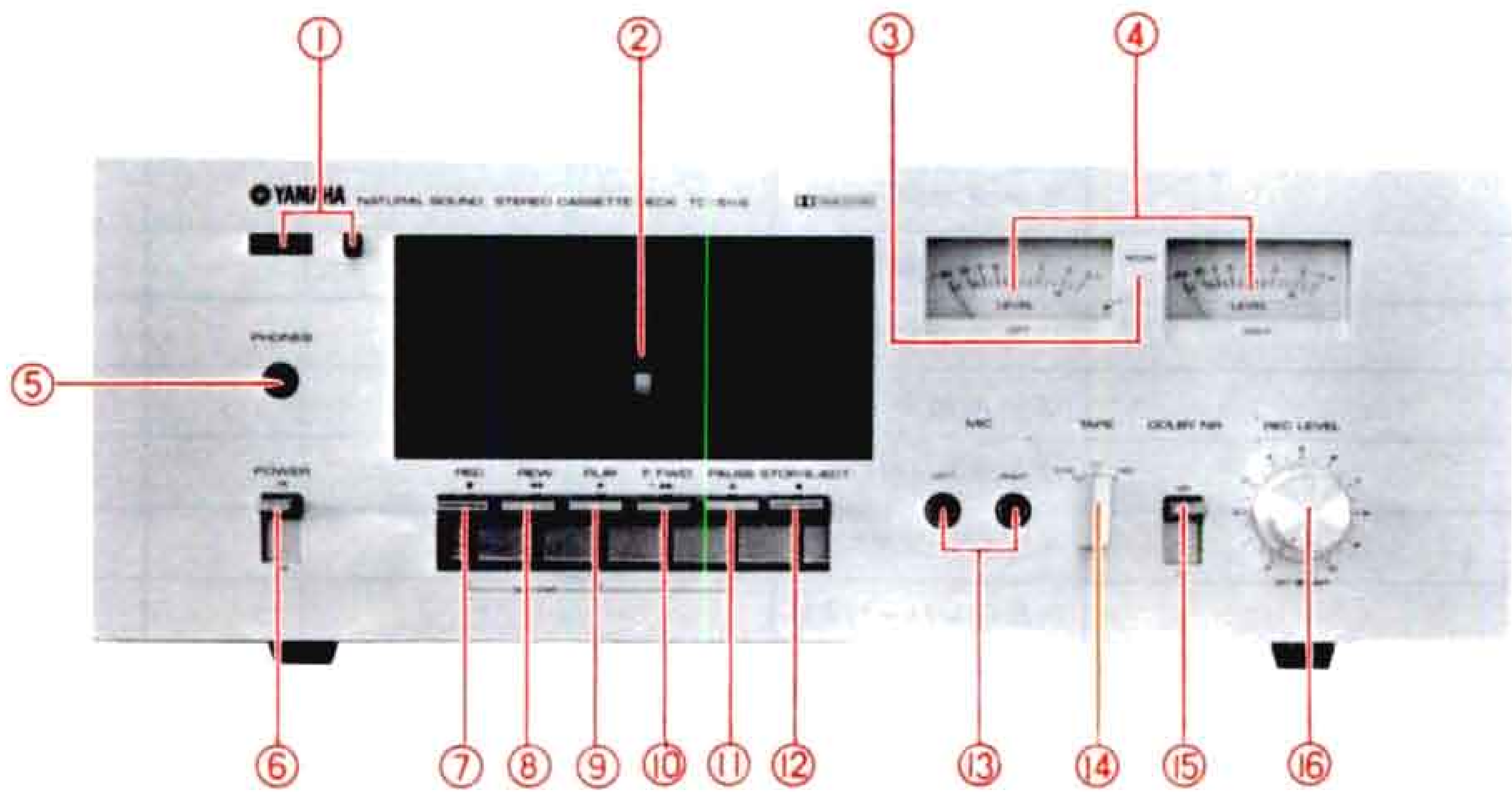
# REVISE TC-511B,S SERVICE MANUAL

## P2. CORRECT

## COMPONENTS LOCATION

### FRONT PANEL

TC-511S




1. TAPE COUNTER/RESET BUTTON
2. CASSETTE DOOR
3. RECORD INDICATOR
4. LEVEL METERS
5. HEADPHONE JACK
6. POWER SWITCH
7. RECORD BUTTON ( ● )
8. REWIND BUTTON ( ◀◀ )
9. PLAY BUTTON ( ▶ )
10. FAST FORWARD BUTTON ( ▶▶ )
11. PAUSE BUTTON (II)
12. STOP/EJECT BUTTON ( ■ )
13. MICROPHONE INPUT JACKS
14. TAPE SELECTOR SWITCH
15. DOLBY NR SWITCH
16. REC LEVEL CONTROL

## P37. CORRECT

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | 42 00 00 SX 98 40 40 | DOLBY Low Pass Filter | LPF0038 | | | | |
| | ~~42 00 00 SX 98 40 40~~ | | ~~VSL200-15D~~ | (TO BE DELETED) | | | |
| | | | | | | | |
| | 42 00 00 SX 98 40 50 | Bias Oscillation Coil | | バイアスOSCコイル | | | |
| | | | | | | | |
| | | | | | | | |
| | 42 00 00 SX 98 40 60 | Coil | 15mH ± 10% (153K) | 固定インダクター | | | |
| | 42 00 00 SX 98 40 70 | | 20mH ± 10% (223K) | | | | |
| | 42 00 00 SX 98 23 20 | **Jack Circuit Board** | | ジャックP.C.B組立 | | | |
| | | | | | | | |
| | 42 00 00 SX 98 23 00 | Jack Board Ass'y (Input & Output) | | 入出力ジャック板 Ass'y | | | |
| | | | | | | | |
| | 42 00 00 SX 98 40 80 | Slide Switch | | スライドスイッチ（２回路２接点） | | | |
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