

*AEP Model
UK Model
E Model*



STEREO CASSETTE DECK

SPECIFICATIONS

GENERAL

Power Requirements: 110V, 120V, 220V, 240V ac, 50/60 Hz
Power Consumption: 11W
Dimensions: Approx. 440 (w) x 145 (h) x 290 (d) mm
 17 1/4 (w) x 5 3/4 (h) x 11 3/8 (d) inches
Weight: Approx. 6.3 kg, 13 lb 14 oz

TAPE RECORDER SECTION

Track: 4-track 2-channel stereo
**Fast Forward
Rewind Time:** Approx. 90 seconds with Sony cassette C-60

Frequency Response: DOLBY NR OFF
 With Ferri-Chrome cassette
 20-16,000 Hz (NAB)
 30-15,000 Hz \pm 3 dB (NAB)
 30-15,000 Hz (DIN)
 With chromium dioxide cassette
 20-16,000 Hz (NAB)
 30-15,000 Hz \pm 3 dB (NAB)
 30-15,000 Hz (DIN)
 With regular cassette
 20-14,000 Hz (NAB)
 30-13,000 Hz (DIN)

Wow and Flutter: 0.08% WRMS (NAB)
 \pm 0.2% (DIN)

S/N Ratio: DOLBY NR OFF
 With Ferri-Chrome cassette
 58 dB at peak level (NAB)
 56 dB (DIN, 1975 rev.)
 48 dB (DIN, old)
 With chromium dioxide cassette
 54 dB at peak level (NAB)
 DOLBY NR ON
 Improved by 5 dB at 1 kHz, 10 dB
 above 5 kHz

- Continued on next page -

* 'Dolby' and the double-D symbol are the trade marks of Dolby Laboratory Inc. Noise reduction system manufactured under license from Dolby Laboratory Inc.
 *0 dB = 0.775V

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

SONY

SERVICE MANUAL

**Total Harmonic
Distortion:** 1.3%

Bias Frequency: 105 kHz

Inputs: MIC (two phone jacks)
Sensitivity: 0.2 mV (-72 dB)
Impedance: for low-impedance microphone

LINE IN (two phono jacks)
Sensitivity: 0.06 V (-22 dB)
Impedance: 100 k Ω

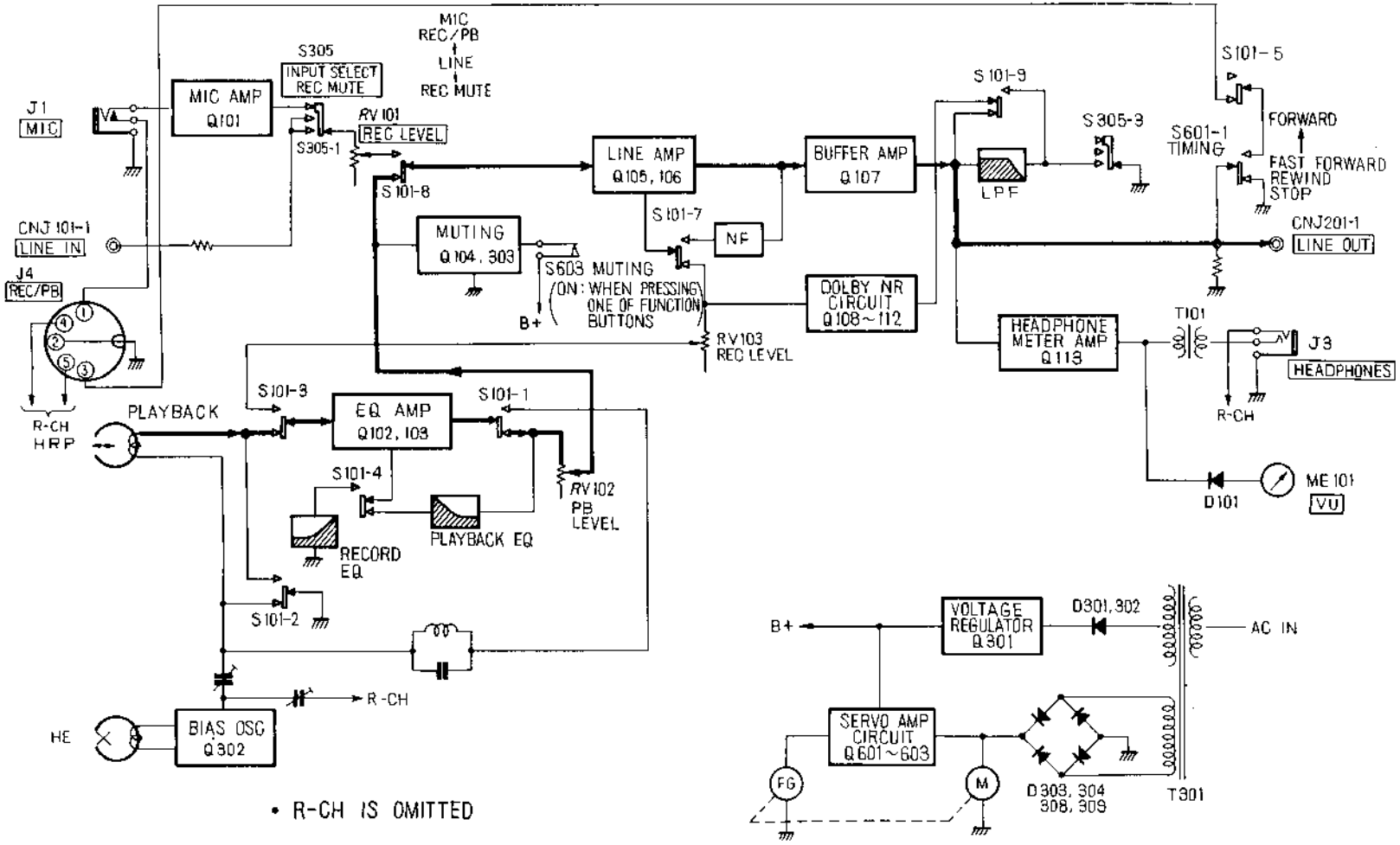
REC/PB (connector)
Input impedance: less than 10 k Ω

Outputs: LINE OUT (two phono jacks)
Normal level: 0.435 V (-5 dB)
Load impedance: 100 k Ω
suitable load impedance more than 10 k Ω

HEADPHONES (binaural jack)
Load impedance: for low-impedance headphones

REC/PB (connector)
Output impedance: less than 10 k Ω

0 dB = 0.775 V



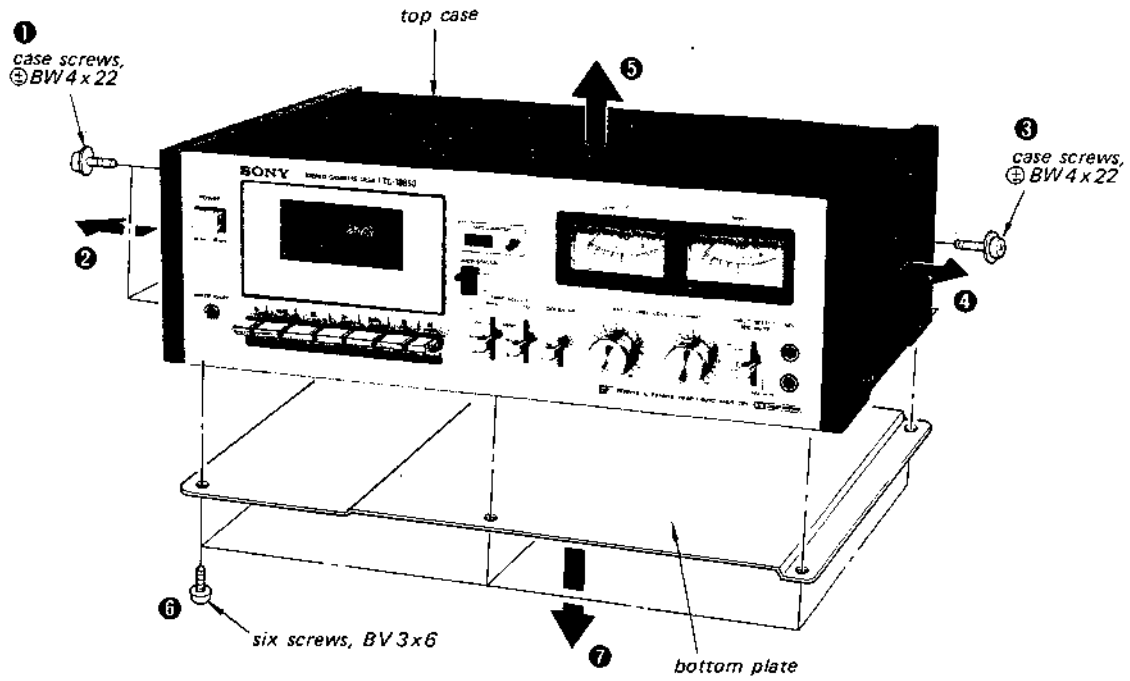
SECTION 2 DISASSEMBLY

2-1. REMOVAL

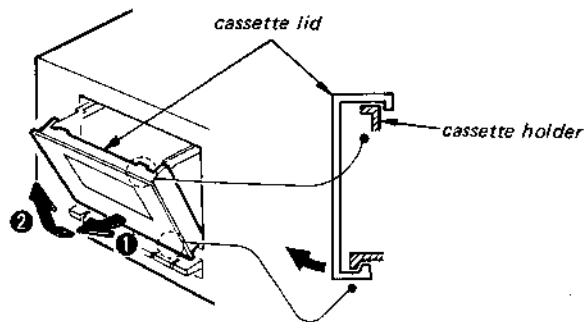
Top Case and Bottom Cover Removal

Top Case Removal: ① - ⑤

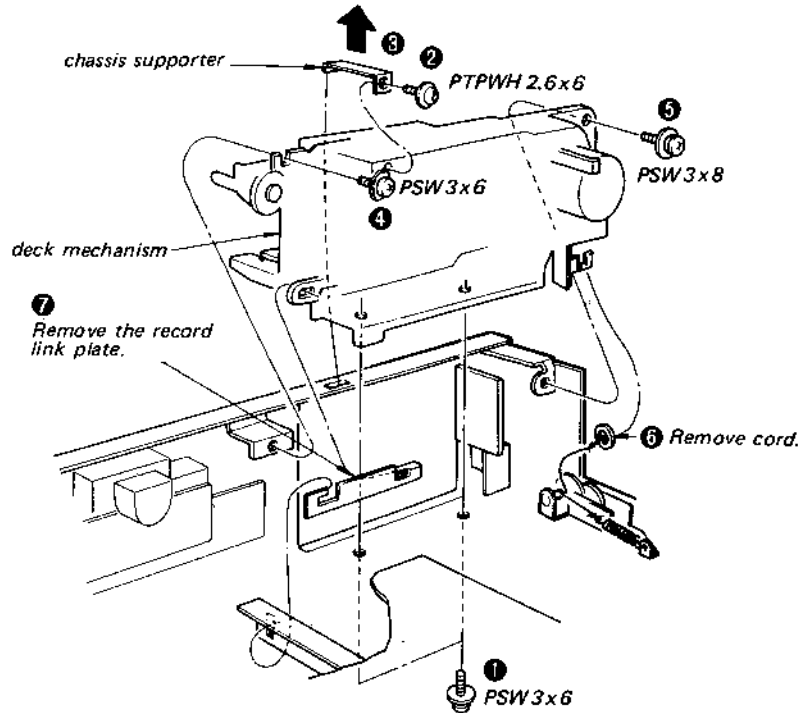
Bottom Plate Removal: ⑥, ⑦



Cassette Lid Removal

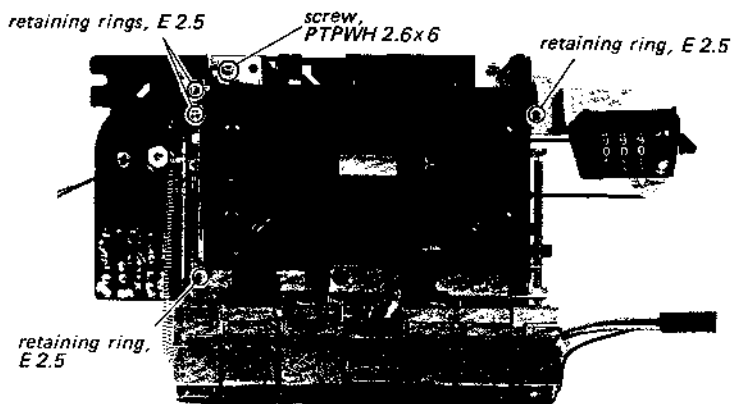


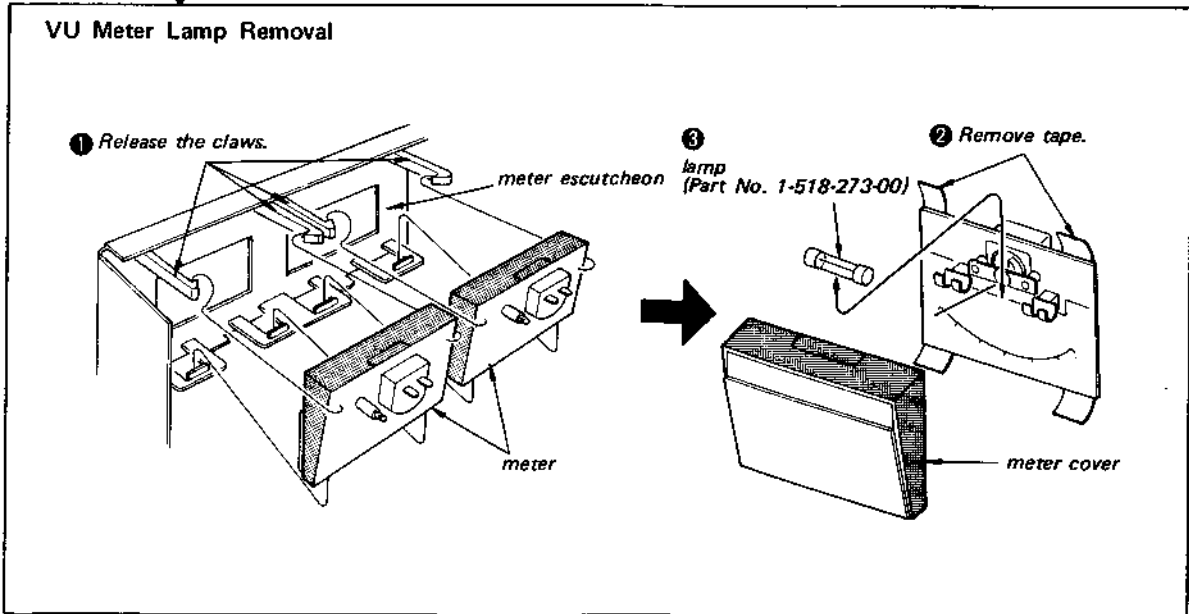
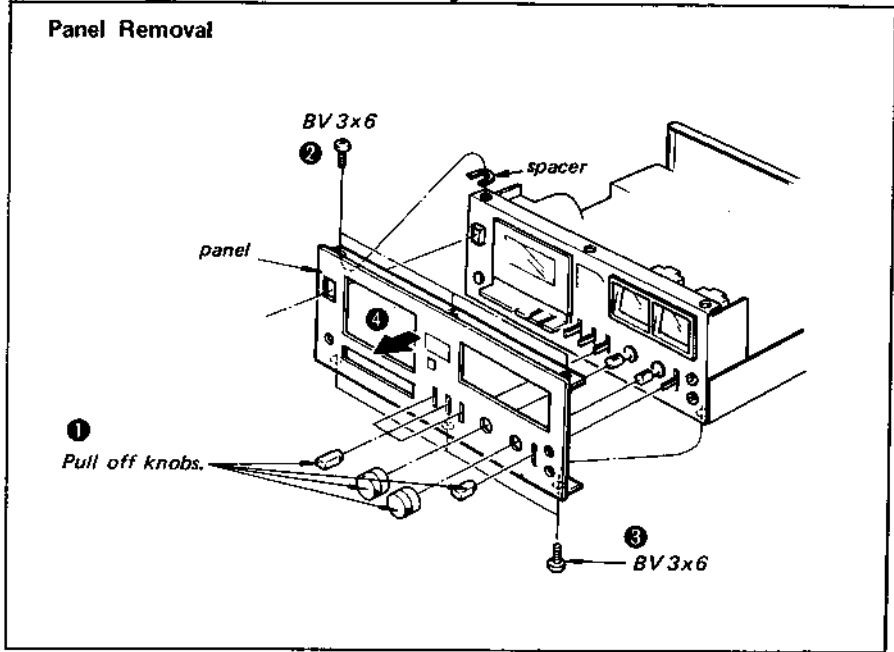
Deck Mechanism Removal



Cassette Holder Removal

Remove four retaining rings and a screw.





SECTION 3 ADJUSTMENTS

3-1. MECHANICAL ADJUSTMENTS

PRECAUTION

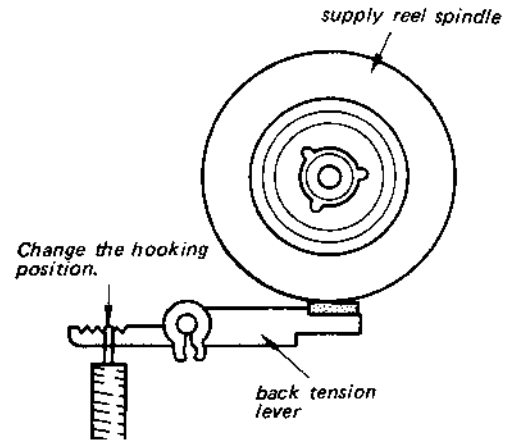
1. Clean the following parts with a denatured-alcohol-moistened swab:

| | |
|----------------------|--------------|
| record/playback head | pinch roller |
| erase head | rubber belts |
| capstan | idlers |
2. Demagnetize the record/playback head with a head demagnetizer. (Do not bring the head demagnetizer close to the erase head.)
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply a suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

Playback Back Tension Torque Adjustment

— Playback Mode —

Use type CQ-102A cassette torque meter.

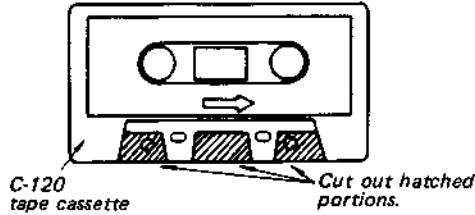


Specification: 2.5–3.5 g·cm
(0.035–0.048 oz·inch)

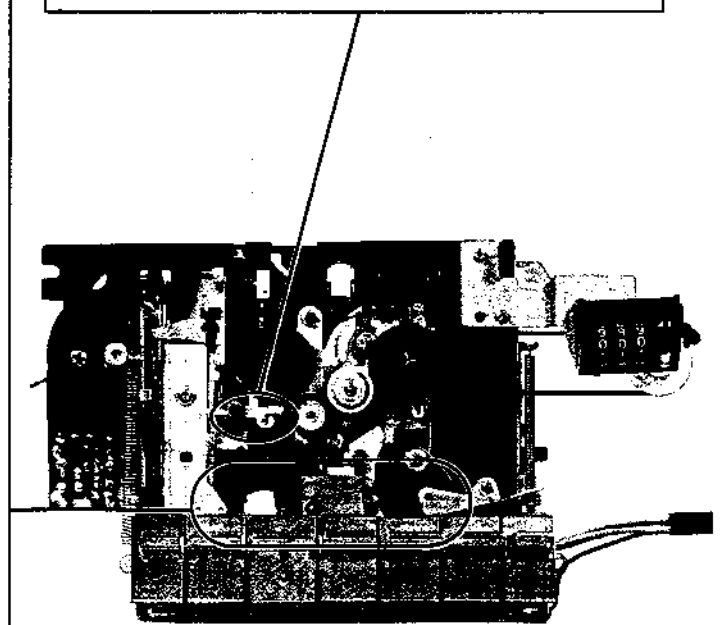
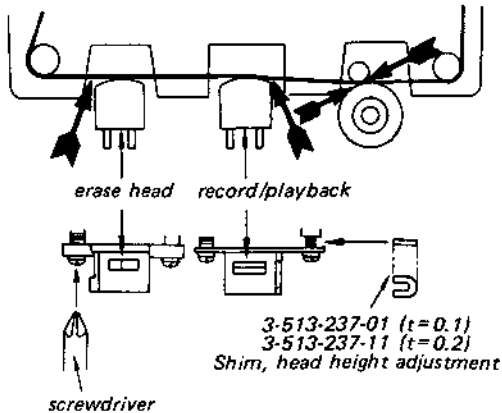
Tape Path Adjustment

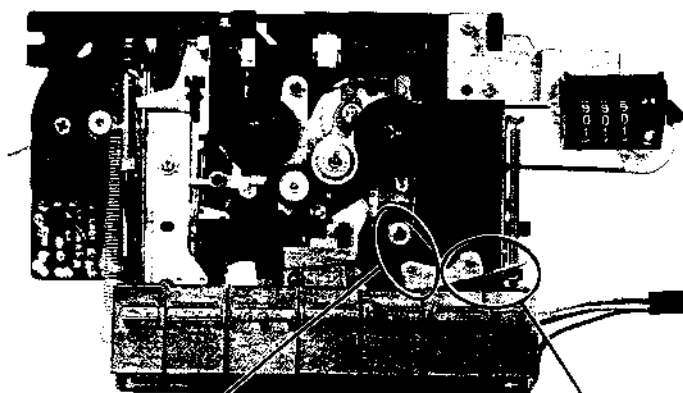
— Playback Mode —

1. Make an adjustment cassette as shown below.



2. In playback mode and viewing from the front, adjust the head heights to eliminate tape curl and tape twist at arrowed portions.

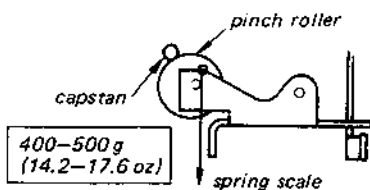




Pinch Roller Pressure Adjustment

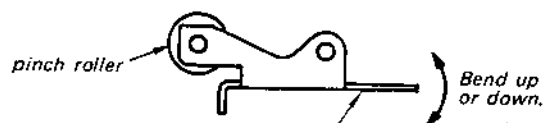
— Playback Mode —

1. Hook the pinch roller with a spring scale.
2. Pull the spring scale.
3. Slowly return the pinch roller and read the spring scale just when the pinch roller starts to rotate.



PAUSE Timing Adjustment

— PAUSE Mode —



Bend here and adjust the position of pinch roller so that the rotations of pinch roller and reel spindles stop at the same time when slowly depressing PAUSE button.

Shut-off Time Measurement

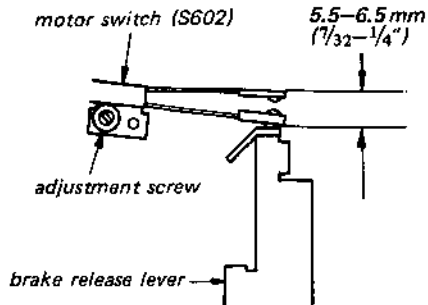
Specification: Within six seconds

Motor Switch (S602) Position Adjustment

- Stop Mode -

Loosen adjustment screw and adjust the position of the switch for the specified clearance between the switch leaves.

After the adjustment, tighten and lock the screw with a suitable locking compound.

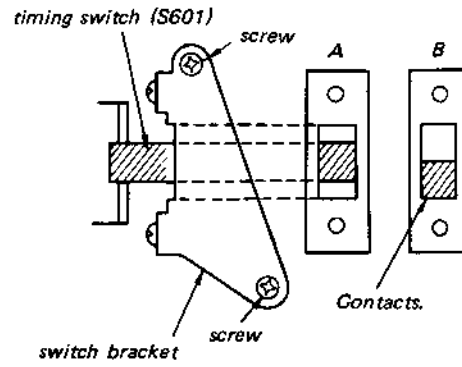


Timing Switch (S601) Position Adjustment

- Stop Mode -

Loosen the screws and adjust position of the switch bracket as marked B in figure below.

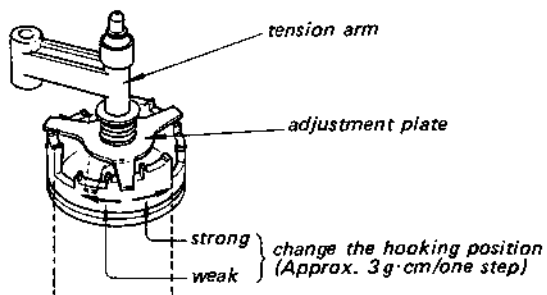
After the adjustment, tighten the screws.



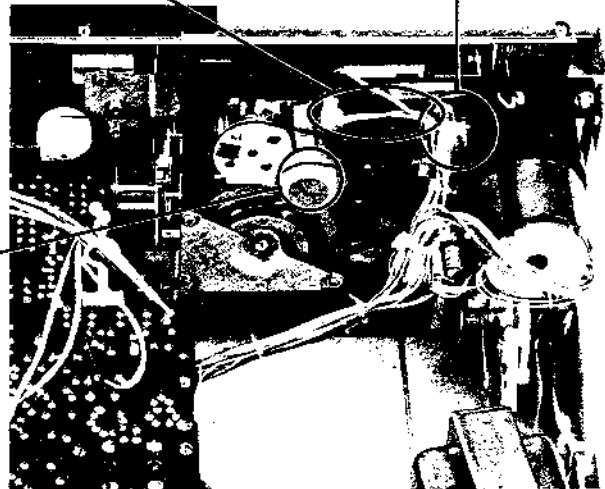
Forward Torque Adjustment

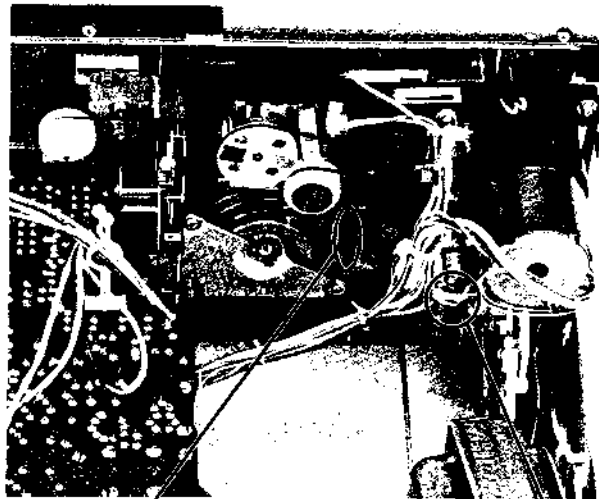
- Playback Mode -

Use type CQ-102A cassette torque meter.



Specification: 28-50 g·cm
(0.39-0.69 oz·inch)

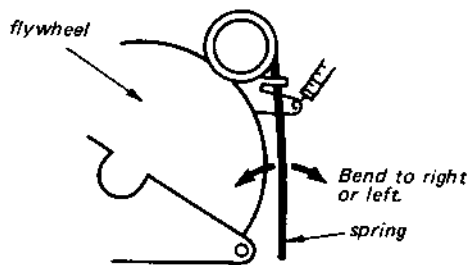




Fast Forward and Rewind Torque Adjustment

– Fast Forward and Rewind Modes –

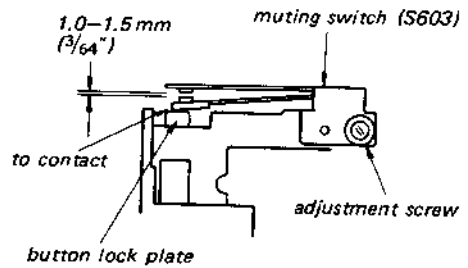
Use type CQ-201A cassette torque meter.
Bend the spring for the torque of 55–95 g-cm
(0.77–1.3 oz-inch).



Muting Switch (S603) Position Adjustment

– Stop Mode –

Loosen the adjustment screw and adjust the position of the switch as specified.



3-2. ELECTRICAL ADJUSTMENTS

Note: The adjustments should be performed in the order given in this service manual. The adjustments should be performed for both L-CH and R-CH.

Switches should be set as follows unless otherwise specified.

DOLBY NR switch: OFF
 EQ switch: NORMAL
 BIAS switch: NORMAL

BIAS and EQ switch settings in accordance with tape used are as follows.

| Tape | BIAS switch | EQ switch |
|-------|-------------|------------------|
| CS-10 | NORMAL | NORMAL |
| CS-20 | HIGH | CrO ₂ |
| CS-30 | NORMAL | Fe-Cr |

Standard Record

Supply the standard input level signal to the LINE IN jack and set the REC LEVEL control to obtain the standard output level.

Standard Input Level

| | MIC | LINE IN | REC/PB |
|------------------|---------------------|--------------------|-------------------|
| source impedance | 300Ω | 10 kΩ | 100 kΩ |
| input level | 0.77 mV (-60 dB) | 0.25 V (-10 dB) | 17 mV (-33 dB) |

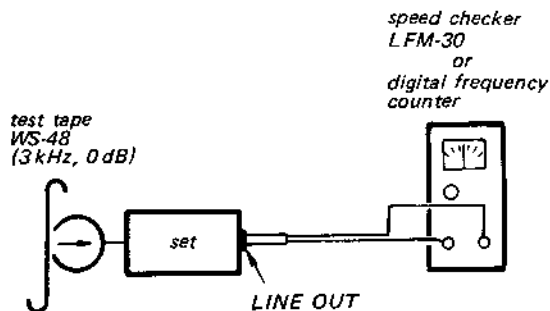
Standard Output Level

| | LINE OUT | HEAD- PHONES | REC/PB |
|----------------|-------------------|-------------------|-------------------|
| load impedance | 100 kΩ | 8Ω | 50 kΩ |
| output level | 0.44 V (-5 dB) | 39 mV (-26 dB) | 0.44 V (-5 dB) |

Tape Speed Adjustment

Procedure:

Mode: Playback



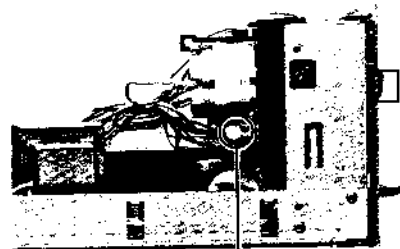
Adjust RV602 to obtain the specified values below.

Specification:

| Speed checker | Digital frequency counter |
|---------------|---------------------------|
| ±0.7% | 2,980-3,020 Hz |

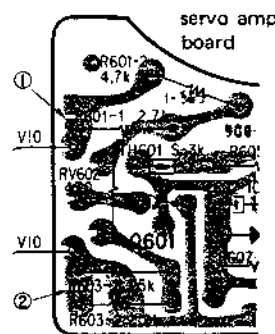
Frequency difference between beginning and end of tape should be within 0.7% (20 Hz).

Adjustment Location:



RV602

If correct tape speed cannot be obtained by adjusting RV602, Solder ① or ②.

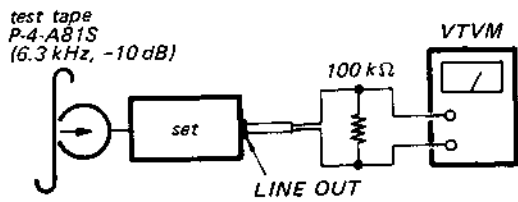


| Solder portion | Tape speed |
|----------------|------------|
| ① | up |
| ② | down |

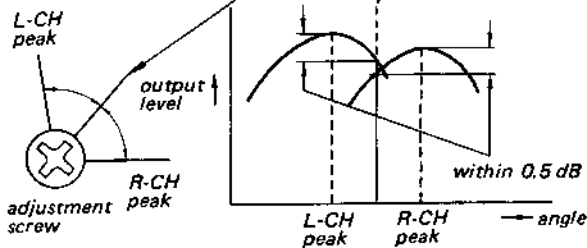
Record/playback Head Azimuth Adjustment

Procedure:

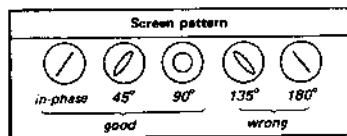
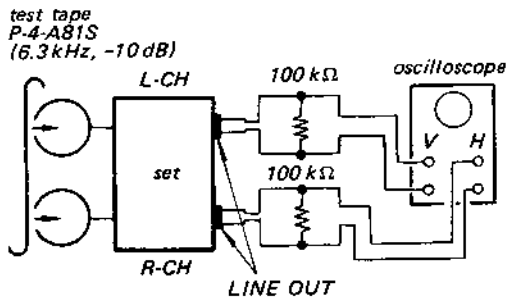
1. Mode: Playback



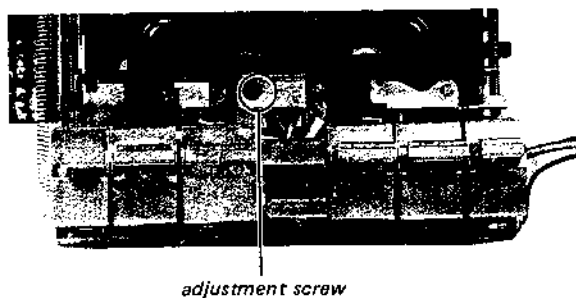
2. Turn the adjustment screw for the maximum level and set it to the mechanical mid position between L-CH and R-CH peak position.



3. Mode: Playback



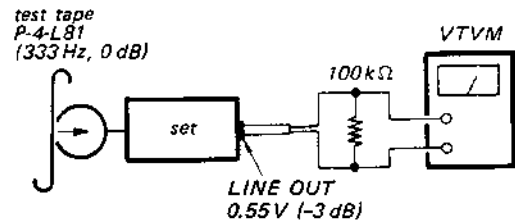
Adjustment Location:



Playback Level Adjustment

Procedure:

1. Mode: Playback



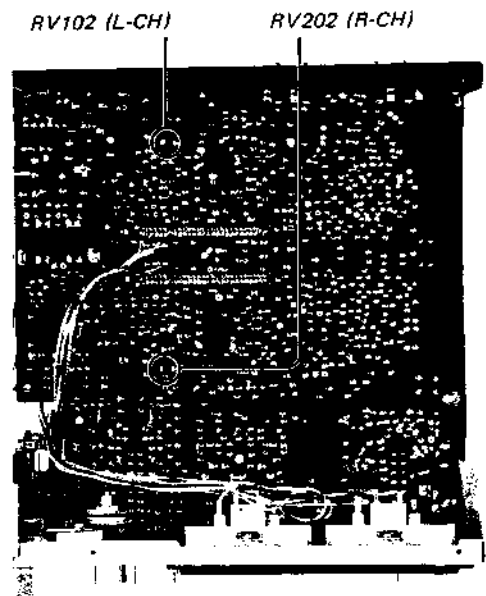
Adjust RV102 (L-CH) and RV202 (R-CH) to obtain 0.55 V (-3 dB) VTVM reading.

2. Assure that the LINE OUT level does not change when the mode is changed from playback to stop several times.

Specification:

LINE OUT level: 0.52–0.58 V
(-2.5 – -3.5 dB)
Level difference between channels:
less than 0.5 dB

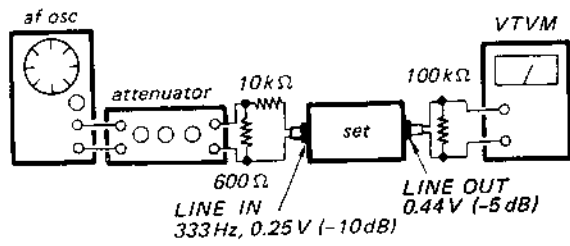
Adjustment Location:



VU Meter Calibration

Procedure:

1. Mode: Standard record (See page 11.)



- 2.

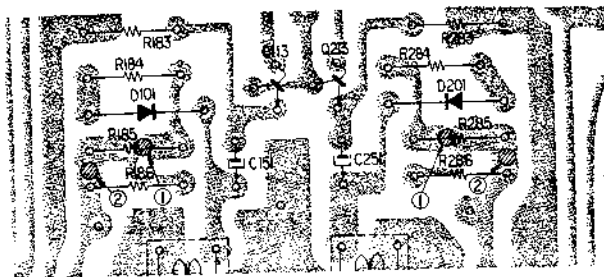
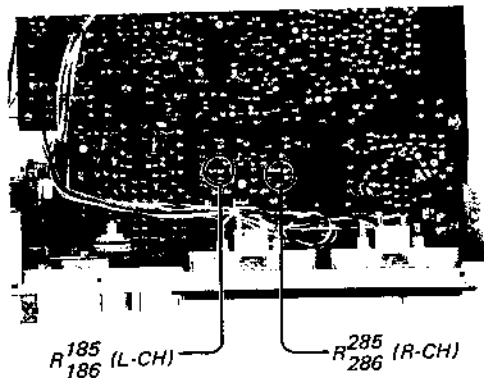
| Adjust | VU meter reading: 0 VU |
|--------|------------------------|
| R185 | |
| R186 | |
| R285 | |
| R286 | |

Adjust the pattern connection.

Specification:

When the LINE IN level is adjusted to make 0 VU indication, VTVM reading should be 0.44V (-5 dB).

Adjustment Location:

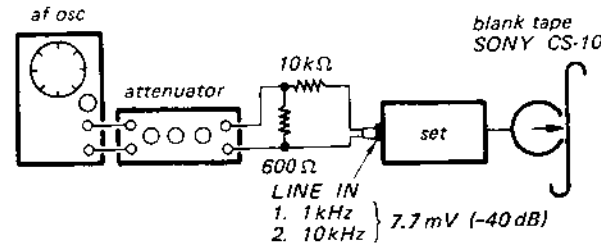


| Pattern connection | Pointer deflection |
|--------------------|--------------------|
| open | down |
| ① or ② | ↑ |
| both ① and ② | |

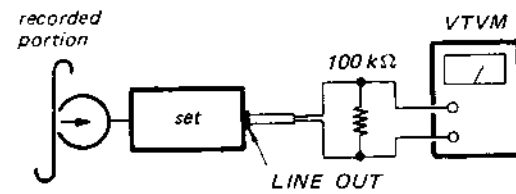
Record Bias Adjustment

Procedure:

1. Mode: Standard record (See page 11.)



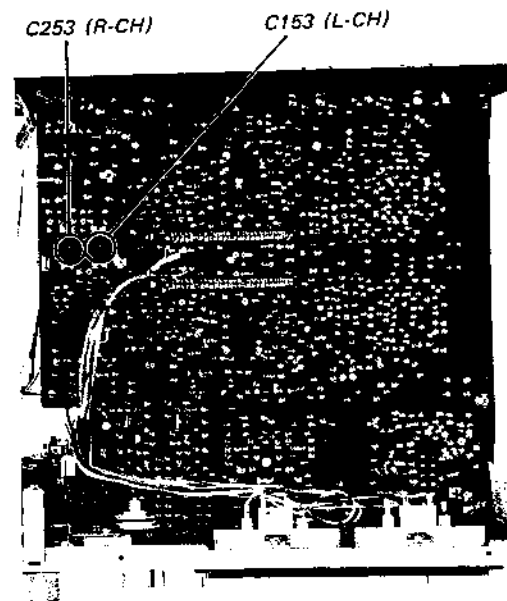
2. Mode: Playback



Adjust C153 (L-CH) and C253 (R-CH) to make 10kHz and 1 kHz signal output levels equal.

Level difference between the two output levels: 0 dB ± 1 dB

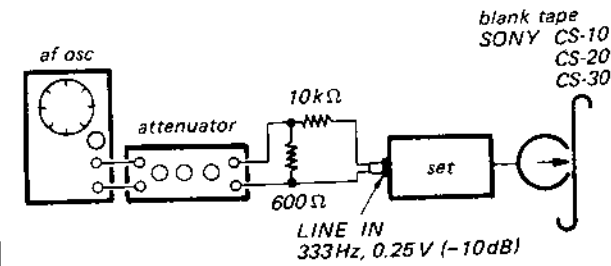
Adjustment Location:



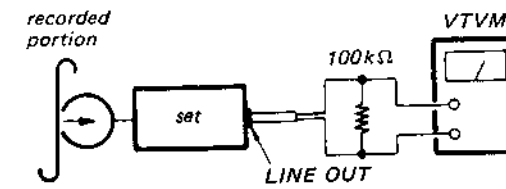
Record Level Adjustment

Procedure:

1. Mode: Standard record (See page 11.)



2. Mode: Playback



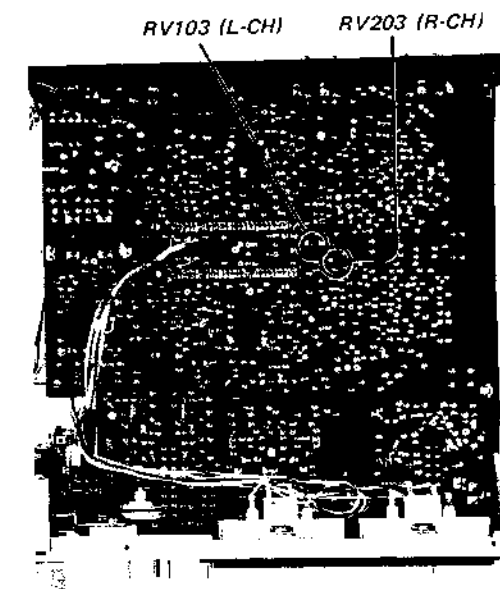
Adjust RV103 (L-CH) and RV203 (R-CH) to obtain 0.44V (-5 dB) VTVM reading.

3. Change the blank tape to CS-20 and CS-30, and perform the same record and playback procedure. Measure LINE OUT level.

Specification:

| SONY tape | LINE OUT level |
|-----------|------------------------------|
| CS-10 | 0.41-0.46V (-4.5 -- -5.5 dB) |
| CS-20 | 0.37-0.52V |
| CS-30 | (-3.5 -- -6.5 dB) |

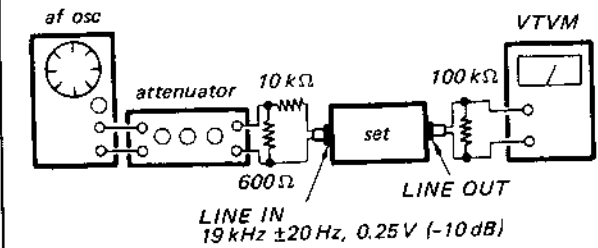
Adjustment Location:



19 kHz Filter Adjustment

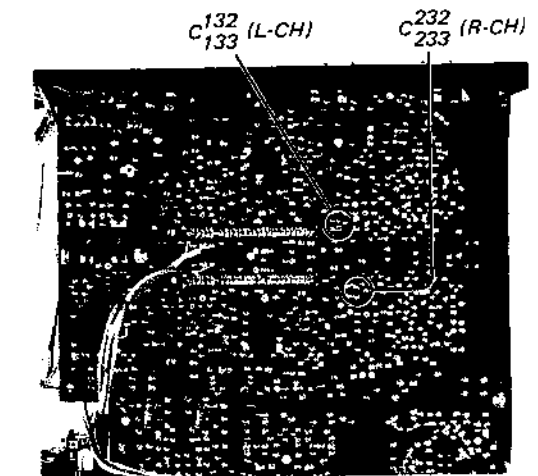
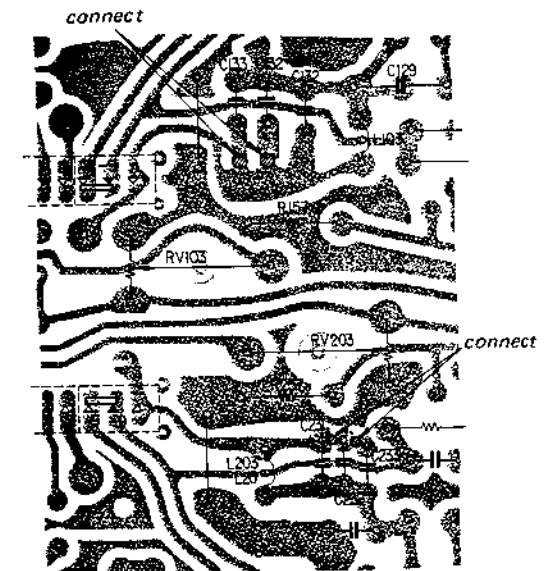
Procedure:

- DOLBY NR switch: ON
Mode: Standard record (See page 11.)



Adjust the pattern connection for a minimum reading on VTVM.

Adjustment Location:



SECTION 4
DIAGRAMS

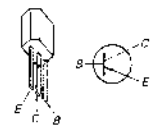
4-1. MOUNTING DIAGRAM

— Conductor Side —

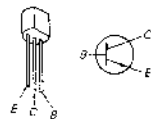
Replacement Semiconductors

For replacement, use semiconductors except in ().

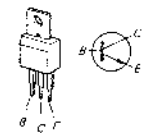
- Q101-103, 105, 109 } 2SC632A (2SC631A)
- Q201-203, 205, 209 } 2SC632A (2SC631A)
- Q104, 106-108, 110-113 } 2SC634A (2SC633A)
- Q204, 206-208, 210-213 } 2SC634A (2SC633A)
- Q303, 601, 602



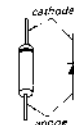
Q302: 2SC1475



Q301: 2SC1760
Q603: 2SC1761



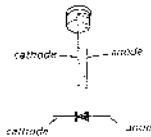
- D101, 201: 1T22A (1T22)
- D102, 104 } 1S1555 (1S2076)
- D202, 204 } 1S1555 (1S2076)
- D103, 203: 1T22A
- D301-304 } 10E2 (10E1)
- D308, 309 } 10E2 (10E1)
- D307, 601: 1S1555 (1T40)



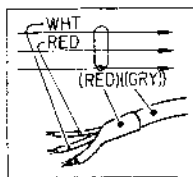
D305: EQB01-21 (EOA01-21R)



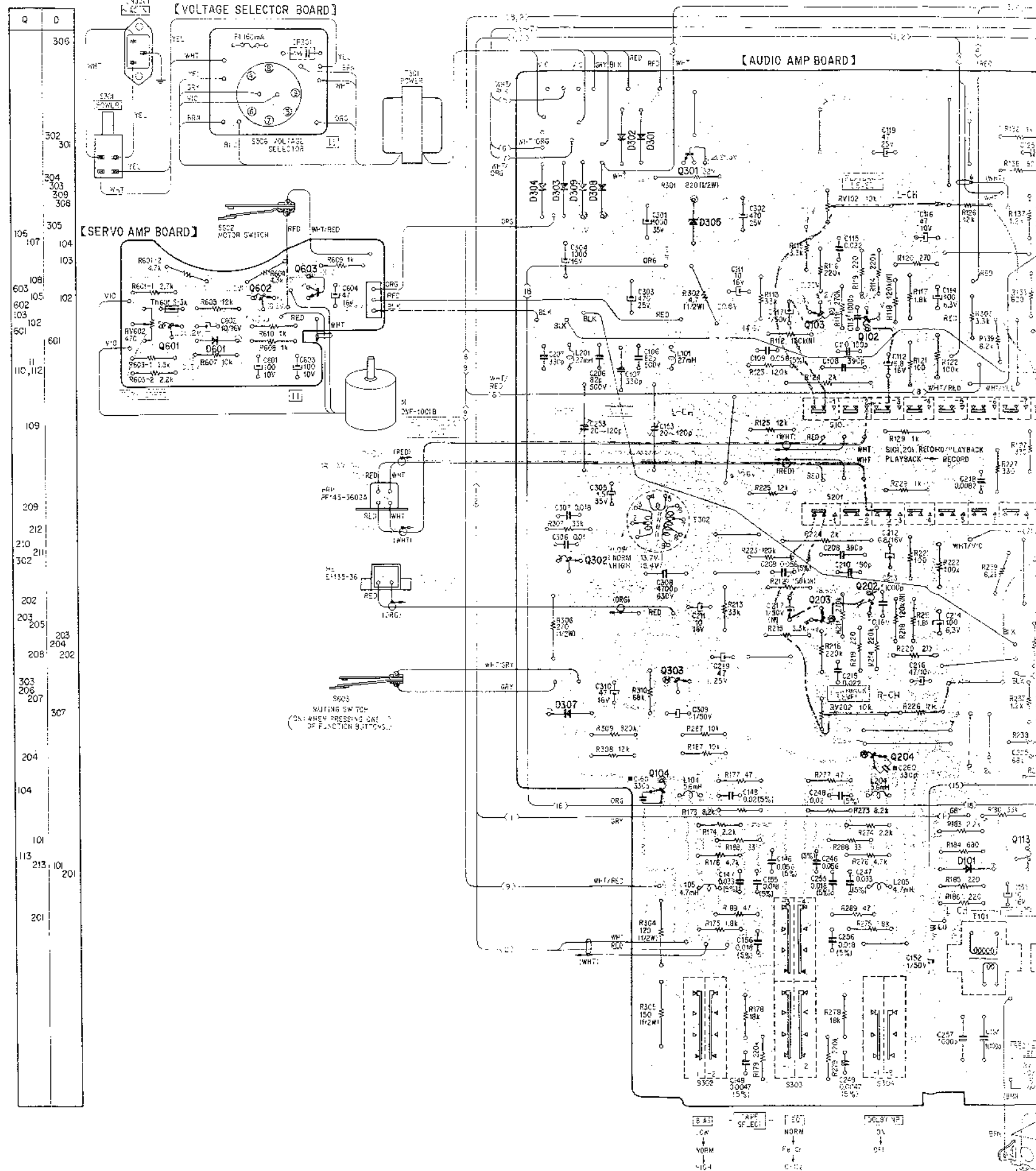
D306: SLP24B (LED)



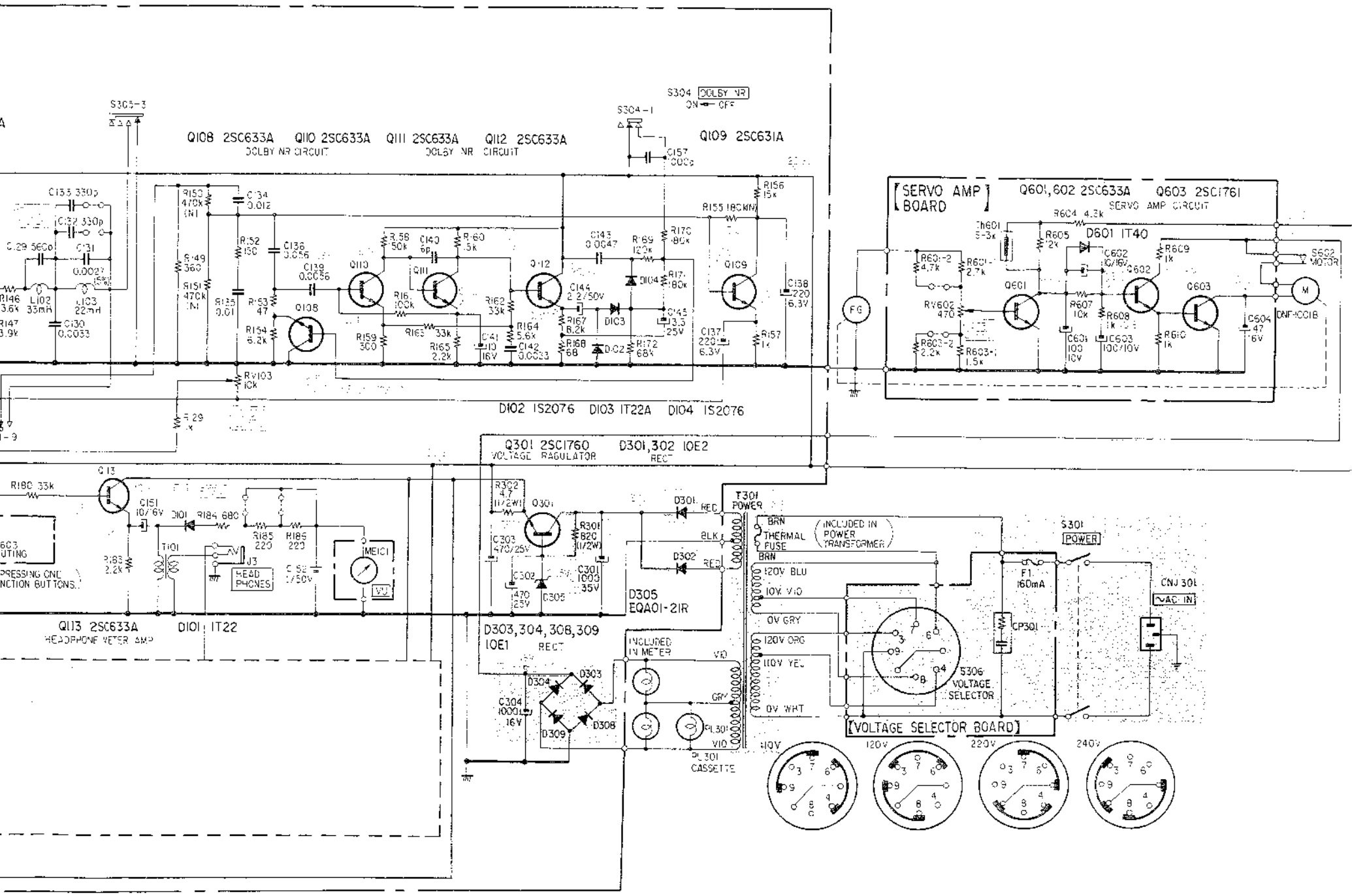
- Note:
- : parts extracted from the component side.
 - : parts extracted from the conductor side.
 - : part mounted on the conductor side.
 - : B+ pattern.
 - : signal path.
 - : Color code of sleeving over the end of the jacket.



- Readings are taken under no-signal conditions with a VOM (20 kΩ/V).
- : record/FORWARD
- : FORWARD
- AC voltage readings indicated by in the bias oscillator circuit are taken with a VTVM.



NG
P
FORWARD
ND

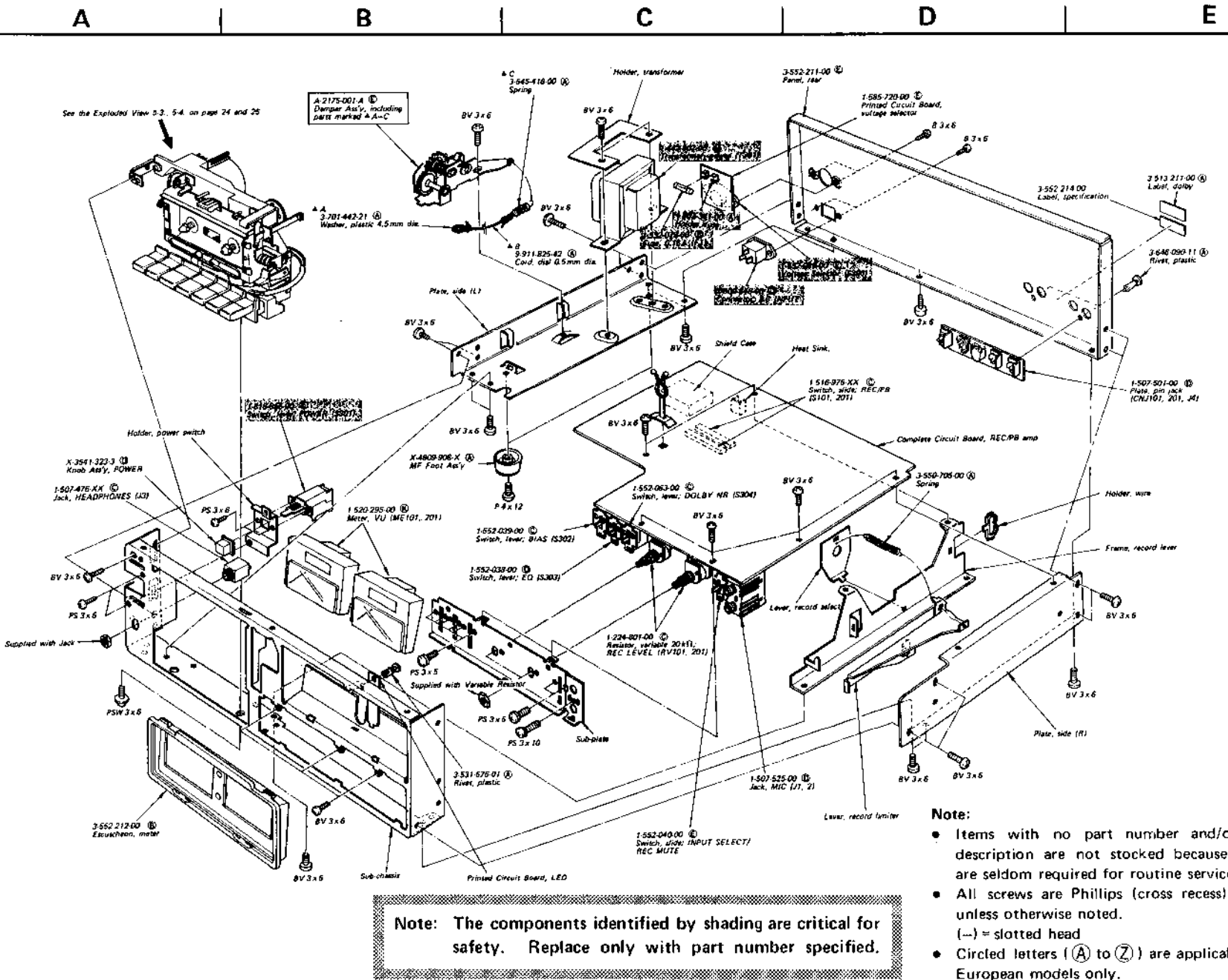


Note:

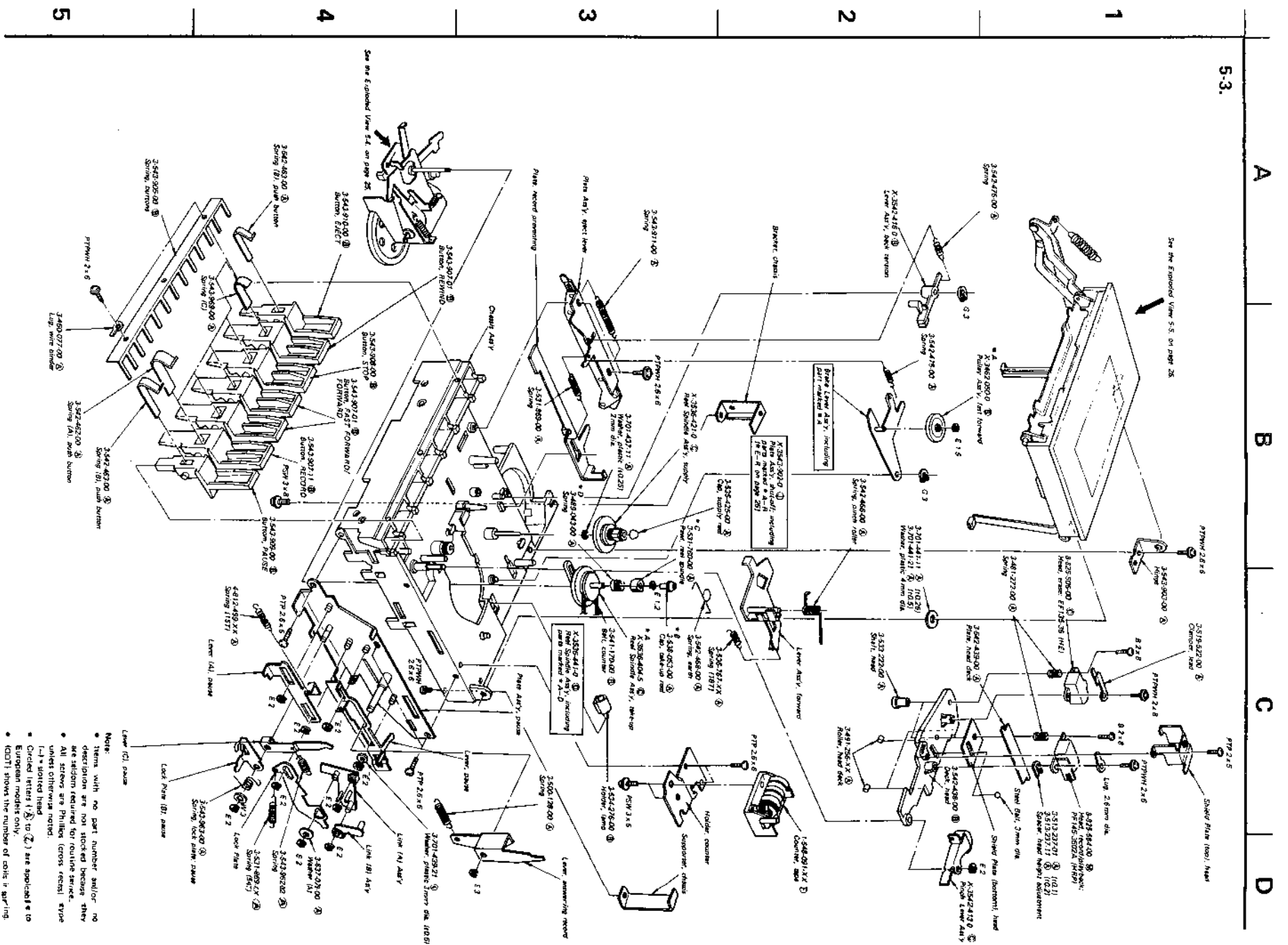
- Components for right channel have the same values as for left channel. Reference numbers are coded from 201.
- All capacitors are in μF unless otherwise noted. $pF = \mu\mu F$. 50WV or less are not indicated except for electrolytics.
- All resistors are in ohms, $\frac{1}{4}W$ unless otherwise noted. $k\Omega = 1000\Omega$, $M\Omega = 1000k\Omega$.
- Adjustable resistors have characteristic curve B, unless otherwise noted.
- (N) : low-noise capacitor and resistor.
- 5% indicates component tolerance.
- --- : B+ bus.
- --- : panel designation.
- --- : adjustment for repair.
- --- : direct connection to points marked --- on the chassis.
- --- : chassis ground.
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken under no-signal conditions with a VOM (20 $k\Omega/V$).
- --- : record/FORWARD
- --- : FORWARD
- AC voltage readings indicated by * in the bias oscillator circuit are taken with a VTVM.
- Voltage variations may be noted due to normal production tolerances.
- Switch

| Ref. No. | Switch | Position |
|----------|--------------------------|--------------------------------|
| S101 | RECORD/PLAYBACK (L-CH) | PLAYBACK |
| S201 | RECORD/PLAYBACK (R-CH) | PLAYBACK |
| S301 | POWER | OFF |
| S302 | TAPE SELECT BIAS | LOW |
| S303 | TAPE SELECT EQ | NORM |
| S304 | DOLBY NR | OFF |
| S305 | INPUT SELECT REC MUTE | MIC |
| S306 | VOLTAGE SELECTOR | |
| S601 | TIMING | STOP FAST FORWARD REWIND |
| S602 | MOTOR | OFF |
| S603 | MUTING | OFF |

Note: The components identified by shading are critical for safety. Replace only with part number specified.



- Note:**
- Items with no part number and/or no description are not stocked because they are seldom required for routine service.
 - All screws are Phillips (cross recess) type unless otherwise noted.
 - (—) = slotted head
 - Circled letters (A) to (Z) are applicable to European models only.



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B

C

D

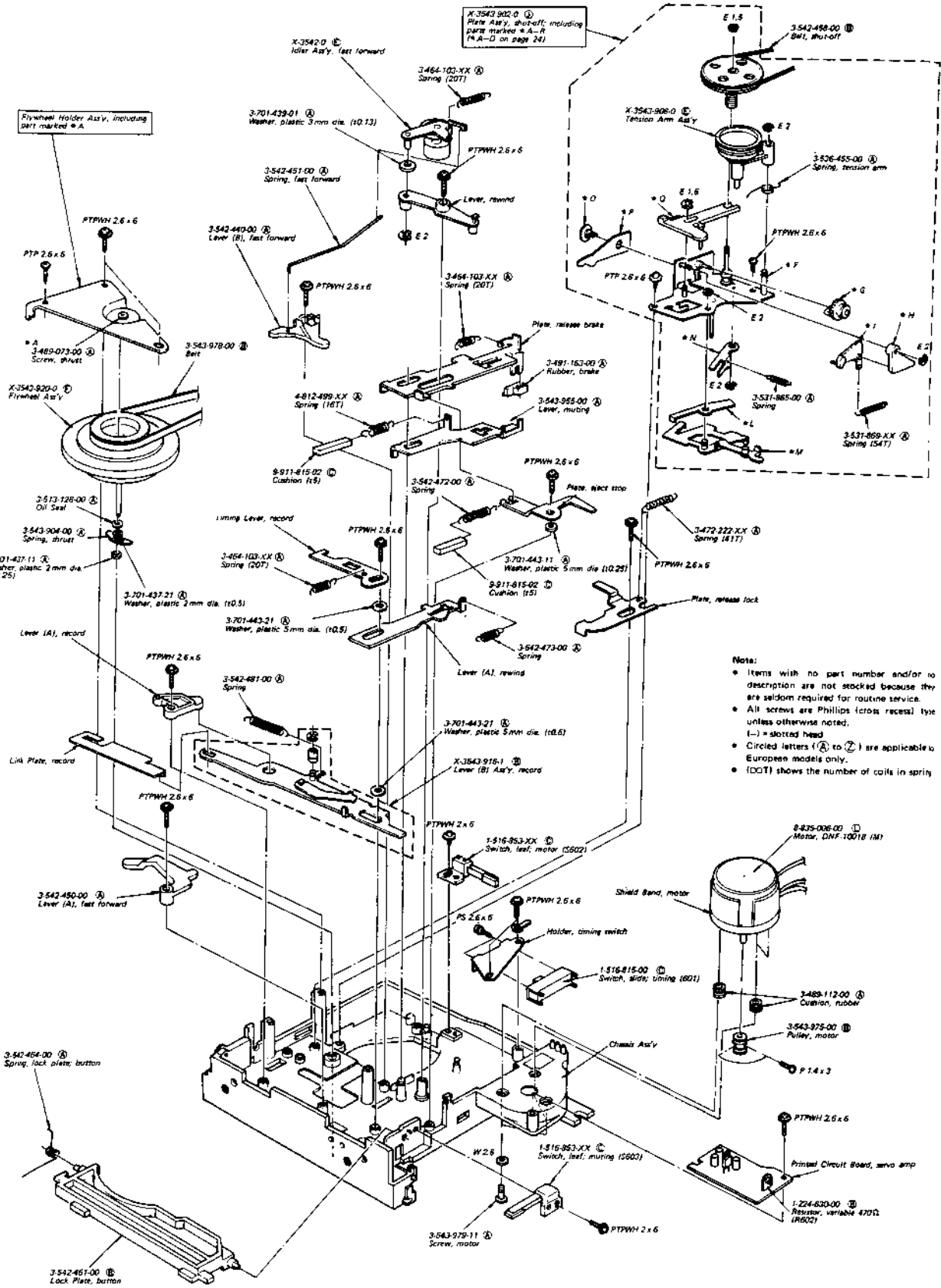
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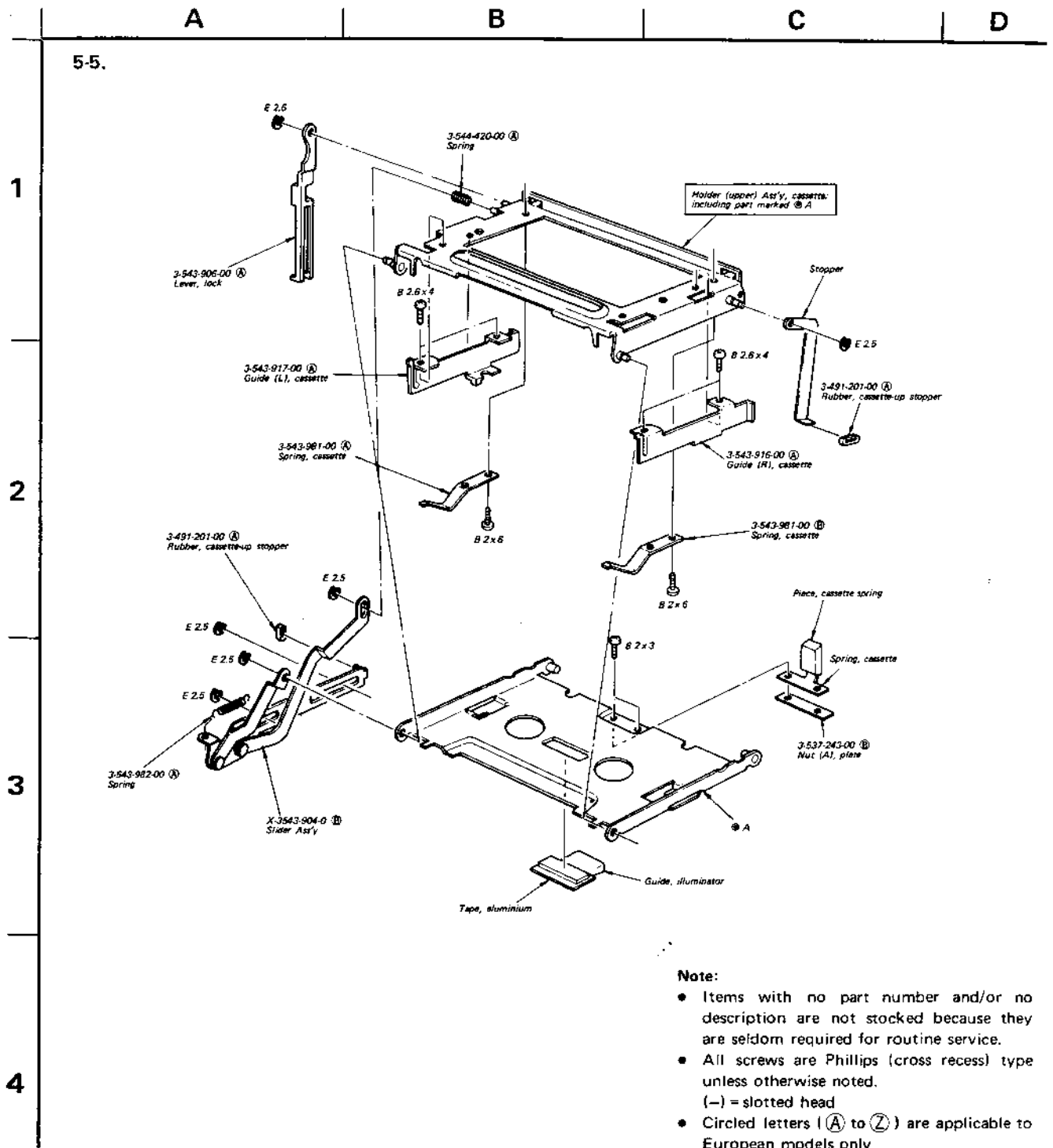
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Note:

- Items with no part number and/or no description are not stocked because they are seldom required for routine service.
- All screws are Phillips (cross recess) type unless otherwise noted.
(-) = slotted head
- Circled letters (A) to (Z) are applicable to European models only.

**SECTION 6
ELECTRICAL PARTS LIST**

Note:
• Circled letters (A to Z) are applicable to European models only.

| <u>Ref. No.</u> | <u>Part No.</u> | <u>Description</u> |
|------------------------------|-----------------|--------------------|
| PRINTED CIRCUIT BOARD | | |
| 1-587-720-00 | (E) | Voltage Selector |
| SEMICONDUCTORS | | |
| Transistors | | |
| ⇒ Q101-103 ⇒ Q201-203 | (B) | 2SC632A |
| ⇒ Q104,204 | (B) | 2SC634A |
| ⇒ Q105,205 | (B) | 2SC632A |
| ⇒ Q106-108 ⇒ Q206-208 | (B) | 2SC634A |
| ⇒ Q109,209 | (B) | 2SC632A |
| ⇒ Q110-113 ⇒ Q210-213 | (B) | 2SC634A |
| Q301 | (C) | 2SC1760 |
| Q302 | (C) | 2SC1475 |
| ⇒ Q303 | (B) | 2SC634A |
| ⇒ Q601,602 Q603 | (B) (C) | 2SC634A 2SC1761 |
| Diodes | | |
| ⇒ D101,201 | (B) | 1T22A |
| ⇒ D102,202 | (B) | 1S1555 |
| D103,203 | (B) | 1T22A |
| ⇒ D104,204 | (B) | 1S1555 |
| ⇒ D305 | (B) | EQB01-21 |
| D306 | (C) | SLP24B |
| ⇒ D307 | (B) | 1S1555 |
| ⇒ D601 | (B) | 1S1555 |
| Thermistor | | |
| Th601 | 1-800-200-00 | (B) S-3K |

| <u>Ref. No.</u> | <u>Part No.</u> | <u>Description</u> |
|-----------------|-----------------|----------------------------|
| COILS | | |
| L101,201 | 1-407-211-XX | (B) Microinductor, 27 mH |
| L102,202 | 1-407-212-XX | (B) Microinductor, 33 mH |
| L103,203 | 1-407-210-XX | (B) Microinductor, 22 mH |
| L104,204 | 1-407-203-XX | (B) Microinductor, 5.60 mH |
| L105,205 | 1-407-202-XX | (B) Microinductor, 4.70 mH |

| <u>Ref. No.</u> | <u>Part No.</u> | <u>Description</u> |
|---------------------|-----------------|--------------------|
| TRANSFORMERS | | |
| T101,201 | 1-427-424-00 | (C) Output |
| T302 | 1-433-132-00 | (C) Osc |

1-433-132-00 Power

| <u>Ref. No.</u> | <u>Part No.</u> | <u>Description</u> |
|--|-----------------|---------------------------|
| CAPACITORS | | |
| All capacitors are in μF and ceramic unless otherwise noted. 50WV or less are not indicated except for electrolytics. pF = $\mu\mu\text{F}$, elect = electrolytic | | |
| C101 | 1-161-323-11 | (A) 0.001 |
| C102,202 | 1-121-748-11 | (A) 10 25V elect |
| C103,203 | 1-102-074-11 | (A) 0.001 |
| C104,204 | 1-121-915-11 | (A) 4.7 25V elect |
| C105,205 | 1-121-410-11 | (B) 47 25V elect |
| C106,206 | 1-107-037-11 | (A) 82p 500V silverd mica |
| C107 | 1-161-317-11 | (A) 330p |
| C108,208 | 1-161-318-11 | (A) 390p |
| C109,209 | 1-108-361-12 | (A) 0.056 mylar |
| C110,210 | 1-102-108-11 | (A) 150p |
| C111,211 | 1-121-651-11 | (A) 10 16V elect |
| C112,212 | 1-121-748-11 | (A) 10 25V elect |
| C113,213 | 1-102-074-11 | (A) 0.001 |
| C114,214 | 1-121-414-11 | (A) 100 6.3V elect |
| C115,215 | 1-108-242-12 | (A) 0.022 mylar |
| C116,216 | 1-121-352-11 | (A) 47 10V elect |
| C117,217 | 1-121-912-11 | (A) 1 50V elect |
| C118,218 | 1-102-128-11 | (A) 0.0082 |
| C119,219 | 1-121-410-11 | (B) 47 25V elect |
| C120,220 | 1-102-106-11 | (A) 100p |

• ⇒ Due to standardization, interchangeable replacements may be substituted for parts specified in the diagrams.

Note: The components identified by shading are critical for safety. Replace only with part number specified.

Note:

- Circled letters (A to Z) are applicable to European models only.

| Ref. No. | Part No. | Description |
|----------------------|--------------|----------------------|
| C121,221 | 1-121-419-11 | (B) 220 6.3V elect |
| C122,222 | 1-121-651-11 | (A) 10 16V elect |
| C123,223 | 1-102-943-11 | (A) 6p |
| C124,224 | 1-121-479-11 | (A) 22 16V elect |
| C125,225 | 1-101-888-11 | (A) 68p |
| C127,227 | 1-121-726-11 | (A) 0.47 50V elect |
| C128,228 | 1-121-415-11 | (B) 100 16V elect |
| C129,229 | 1-161-320-11 | (A) 560p |
| C130,230 | 1-102-123-11 | (A) 0.0033 |
| C131,231 | 1-108-353-12 | (A) 0.0027 mylar |
| C132,133 C232,233 | 1-102-112-11 | (A) 330p |
| C134,234 | 1-108-357-12 | (A) 0.012 mylar |
| C135,235 | 1-108-239-12 | (A) 0.01 mylar |
| C136,236 | 1-108-361-12 | (A) 0.056 mylar |
| C137,138 C237,238 | 1-121-419-11 | (B) 220 6.3V elect |
| C139,239 | 1-102-126-11 | (A) 0.0056 |
| C140,240 | 1-102-943-11 | (A) 6p |
| C141,241 | 1-121-651-11 | (A) 10 16V elect |
| C142,242 | 1-102-123-11 | (A) 0.0033 |
| C143,243 | 1-102-125-11 | (A) 0.0047 |
| C144,244 | 1-121-986-11 | (A) 2.2 50V elect |
| C145,245 | 1-121-960-11 | (A) 3.3 25V elect |
| C146,246 | 1-108-361-12 | (A) 0.055 mylar |
| C147,247 | 1-108-244-12 | (A) 0.033 mylar |
| C148,248 | 1-108-586-12 | (B) 0.02 mylar |
| C149,249 | 1-108-234-12 | (A) 0.0047 mylar |
| C151,251 | 1-161-323-11 | (A) 0.001 |
| C152,252 | 1-121-391-11 | (A) 1 50V elect |
| C153,253 | 1-141-010-XX | (B) trimmer |
| C154,254 | 1-121-913-11 | (A) 3.3 25V elect |
| C155,156 C255,256 | 1-108-358-12 | (A) 0.018 mylar |
| C201 | 1-102-074-51 | (A) 0.001 |
| C207 | 1-102-112-11 | (A) 330p |
| C301 | 1-121-961-11 | (C) 1000 35V elect |
| C302,303 | 1-121-940-11 | (B) 470 25V elect |
| C304 | 1-121-944-11 | (E) 1000 16V elect |
| C305 | 1-131-216-21 | (B) 1.5 35V tantalum |

| Ref. No. | Part No. | Description |
|----------|--------------|-------------------|
| C306 | 1-108-239-12 | (A) 0.01 mylar |
| C307 | 1-108-358-12 | (A) 0.018 mylar |
| C308 | 1-129-710-11 | (A) 0.0047 630V |
| C309 | 1-121-391-11 | (A) 1 50V elect |
| C310 | 1-121-970-11 | (A) 47 16V elect |
| C601 | 1-121-414-11 | (A) 100 10V elect |
| C602 | 1-121-651-11 | (A) 10 16V elect |
| C603 | 1-121-414-11 | (A) 100 10V elect |
| C604 | 1-121-409-11 | (A) 47 16V elect |

RESISTORS

All resistors are in ohms. Common 1/4W carbon resistors are omitted.

Check schematic diagram for values.

| | | |
|------|--------------|---------------------------|
| R302 | 1-202-517-11 | (A) 4.70 1/2W composition |
| R304 | 1-202-551-11 | (A) 120 1/2W composition |
| R305 | 1-202-553-11 | (A) 150 1/2W composition |
| R306 | 1-202-559-11 | (A) 270 1/2W composition |

| | | |
|------------------------|--------------|-----------------------------------|
| RV101,201 | 1-224-801-00 | (C) Variable, 20 kΩ; RECORD LEVEL |
| RV102,103 RV202,203 | 1-224-645-XX | (B) Adjustable, 10k |
| RV202,203 | 1-224-645-XX | (B) Adjustable, 10k |
| RV602 | 1-224-630-00 | (B) Adjustable, 470 |

SWITCHES

| | | |
|----------|--------------|-------------------|
| S101,201 | 1-514-976-XX | (C) Slide, REC/PB |
|----------|--------------|-------------------|

| | | |
|------|--------------|---|
| S302 | 1-552-039-00 | (C) Lever, BIAS |
| S303 | 1-552-038-00 | (D) Lever, EQ |
| S304 | 1-552-063-00 | (C) Lever, DOLBY NR |
| S305 | 1-552-040-00 | (E) Lever, INPUT SELECT/ RECORD MUTE |

| | | |
|----------|--------------|-------------------|
| S601 | 1-516-815-00 | (C) Lever, timing |
| S602,603 | 1-516-853-XX | (C) Leaf, motor |

Note: The components identified by shading are critical for safety. Replace only with part number specified.

Note:

- Circled letters (A) to (Z) are applicable to European models only.

Ref. No. Part No. Description

FUSE

F1 1-532-079-00 (B) 0.16A

MISCELLANEOUS

CNJ101,102 1-536-501-00 (D) Jack, LINE IN, LINE OUT REC/PB
14

CP301 1-231-057-31 (B) Encapsulated Component

HE 8-825-506-00 (C) Head, erase; EF135-36

HRP 8-825-584-00 (M) Head, record/playback; PF145-3602A

J1,2 1-507-525-00 (D) Jack, MICROPHONE

J3 1-507-476-XX (C) Jack, HEADPHONES

M 8-835-006-00 (L) Motor, DNF-1001B

ME101,201 1-520-295-00 (K) Meter, VU

PL301 1-518-115-XX (B) Lamp, pilot 6V 35 mA

CP101 1-509-746-00 (D) Component

1-518-273-00 (B) Lamp, VU meter

ACCESSORIES

Part No. Description

X-3544-013-0 (B) Cushion Ass'y

X-3701-105-0 (A) Tips Ass'y, head cleaning

1-534-049-31 (F) Cord, connection; RK-74H

3-552-221-00 (E) Carton (AEP, UK model)

3-552-222-00 Carton (E model)

3-701-630-00 (A) Bag, plastic

3-770-228-11 (F) Manual, instruction

Note: The components identified by shading are critical for safety. Replace only with part number specified.

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— 30 —

AEP Model
UK Model
E Model

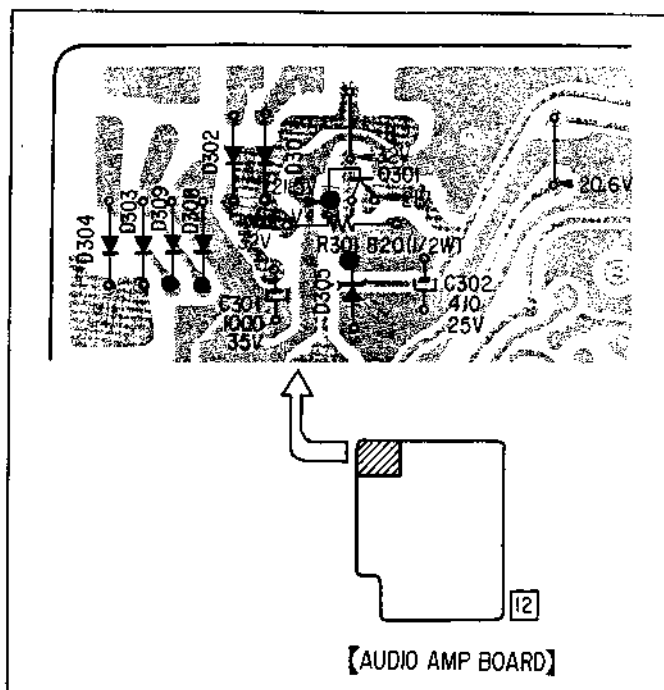
SUPPLEMENT

Subject: Pattern Change

No. 1
June, 1977

File this supplement with the service manual.

The pattern around Q301 is changed in the later set as shown below.
When installing Q301, be careful of the base and the emitter position.



Sony Corporation

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SONY® SERVICE MANUAL

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Printed in Japan