

Quality. Uncompromised.

ROTEL®

Technical Manual

STEREO CASSETTE DECK RD-10F

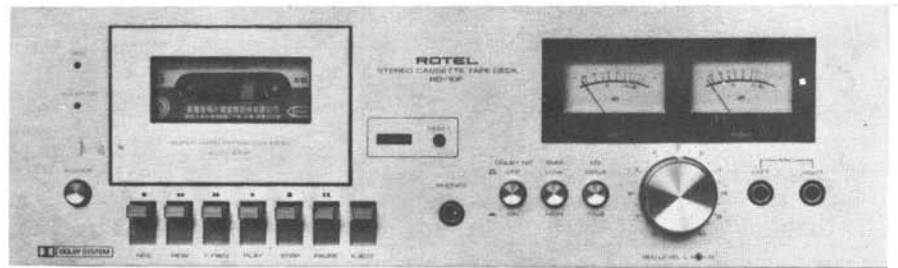
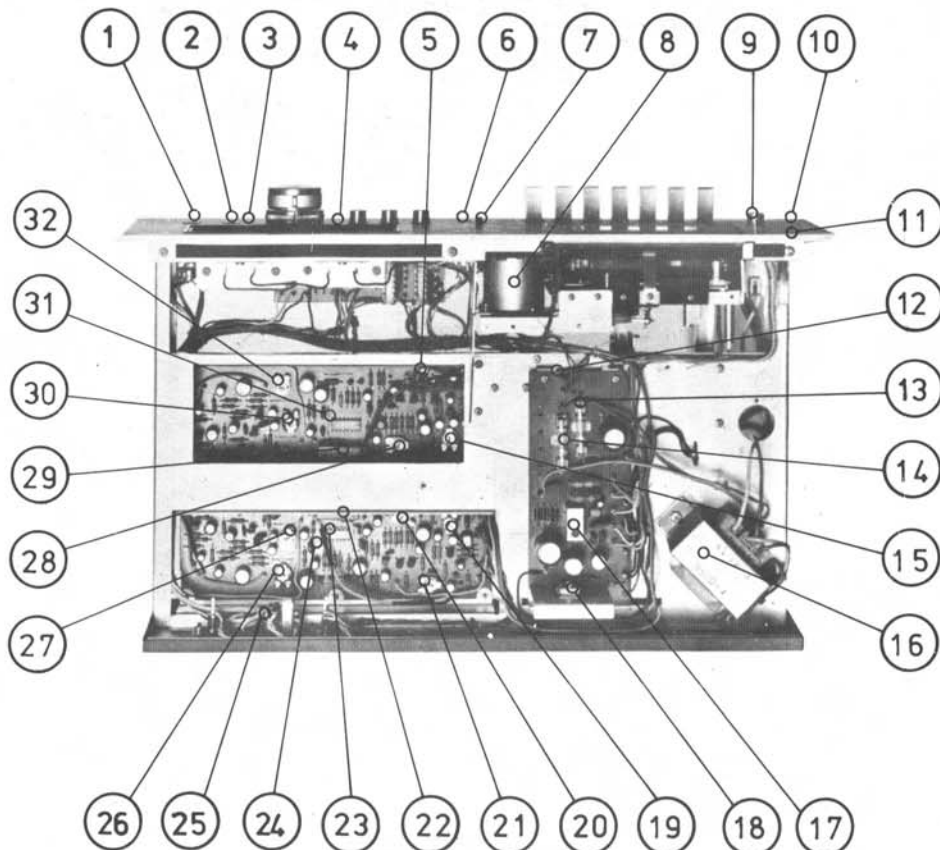


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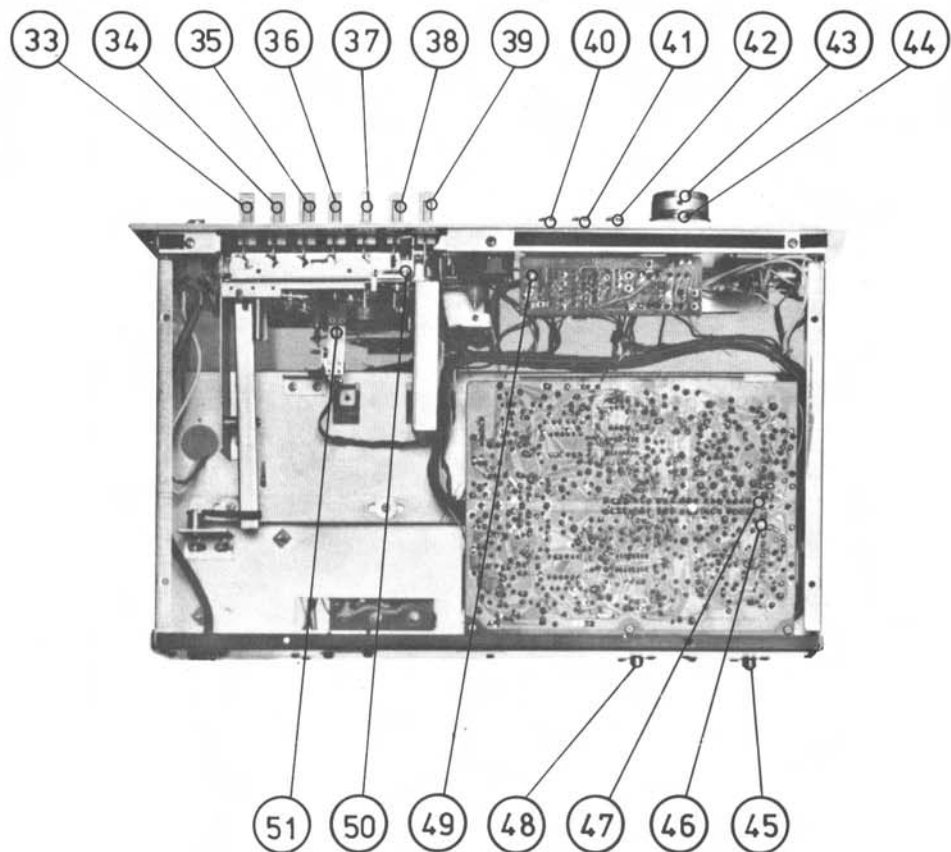
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CHASSIS LAYOUT

1. J002, MIC Jack (L-ch)
2. J003, MIC Jack (R-ch)
3. M001, VU Meter (L-ch)
4. M002, VU Meter (R-ch)
5. VR204, REC Level Adj. (R-ch)
6. J001, Headphone Jack
7. Counter Reset Button
8. Motor
9. S3, Power Supply Switch
10. Indicator PCB, Red for Rec.
11. Indicator PCB, Green for Dolby
12. Power Supply PCB
13. F902, Secondary Fuse
14. F901, Secondary Fuse
15. VR201, Bias Adj. (R-ch)
16. T001, Power Transformer
17. L902, Oscillator Coil
18. Q901, Regulator Transistor
19. VR101, Bias Adj. (L-ch)
20. VR105, Meter Adj. (L-ch)
21. VR104, REC Level Adj. (L-ch)
22. L103, 19KHz Filter (L-ch)
23. IC101, Dolby NR IC
24. REC/PB Amp. PCB
25. REC/PB DIN Jack Terminal
26. VR103, Playback Level Adj. (L-ch)
27. VR102, Playback Equalizer (L-ch)
28. VR205, Meter Adj. (R-ch)
29. L203, 19KHz Filter (R-ch)
30. VR202, Playback Equalizer (R-ch)
31. IC201, Dolby NR IC
32. VR203, Playback Level Adj. (R-ch)
33. REC Button
34. REW Button
35. FF/CUE Button
36. Stop Button
37. Play Button
38. Pause Button
39. Eject Button
40. S6, Dolby NR Switch
41. S5, Bias Switch
42. S4, Equalizer Switch
43. Record Level Control (L-ch)
44. Record Level Control (R-ch)
45. LINE-IN Jack
46. L101, Bias Carrier Trap (L-ch)
47. L201, Bias Carrier Trap (R-ch)
48. LINE-OUT Jack
49. Control PCB
50. Cassette Chassis
51. S7, Muting Switch



(TOP VIEW)



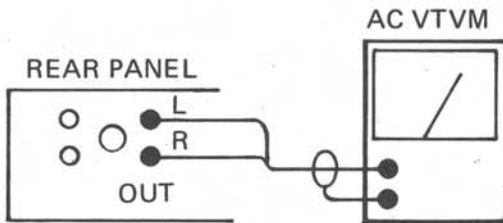
(BOTTOM VIEW)

I. ADJUSTMENT OF PLAYBACK SYSTEM

A. DOLBY LEVEL ADJUSTMENT

Instruments: AC VTVM and Test Tape (LCT-7001 or the equivalent)

1. Connect AC VTVM to LINE OUTPUT Terminal on rear panel.
Set BIAS to LOW and EQ to $120\mu\text{S}$ position and set the DOLBY NR to OFF.
2. Insert Test Tape (LCT-7001) into recorder and play it back.
Adjust Potentiometer VR103 (VR203 for the right channel) so that AC VTVM reads 580mV.
3. Then, adjust Potentiometer VR105 (VR205 for right channel) so that the needle on the VU meter corresponds with the DOLBY Mark (+2dB position).



ADJUST VR103 (VR203 FOR R-CH)
TO OBTAIN 580mV READING ON
AC VTVM.

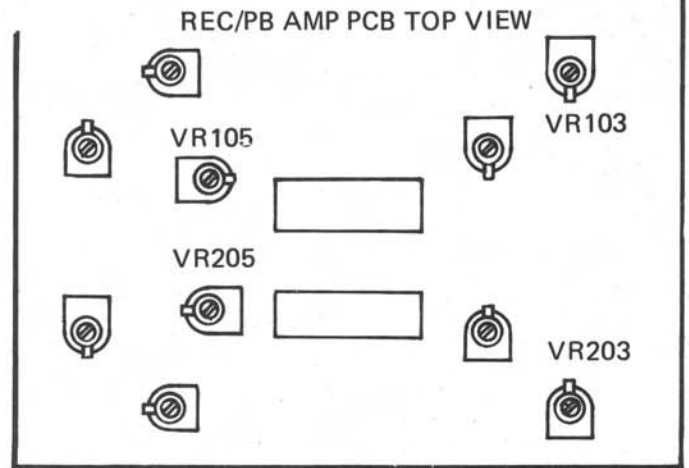
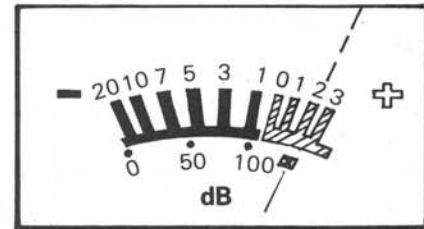


FIG. 1 DOLBY LEVEL ADJUSTMENT HOOK-UP



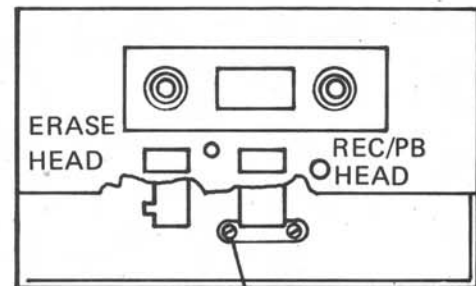
ADJUST POTENTIOMETER VR105
(VR205 FOR R-CH) SO THAT VU
METER NEEDLE INDICATES DOLBY
LEVEL.

B. AZIMUTH ADJUSTMENT

Instruments: Oscilloscope and Test Tape (LCT-3013 or the equivalent)

1. Connect oscilloscope to LINE OUT and insert Test Tape (LCT-3013) into recorder and play it back.
Set BIAS to LOW and EQ to $120\mu\text{S}$ position and set the DOLBY NR to OFF.
2. Adjust Azimuth Screw to obtain largest wave form on the oscilloscope for both channels. (When adjusting, observe form while switching oscilloscope from left to right channel or vice versa.) Make sure output difference between right and left channels falls within 2dB.
3. After completing adjustment, lock the screw.
 - After completing Azimuth Adjustment, recheck DOLBY LEVEL Adjustment.

CASSETTE TOP VIEW (PORTION)



AZIMUTH SCREW

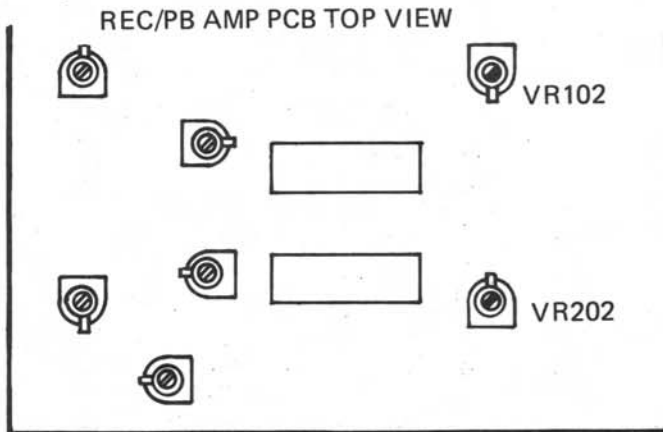
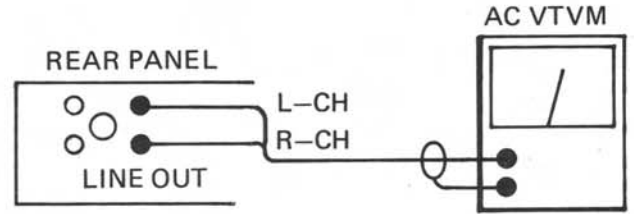
ADJUST AZIMUTH SCREW TO OBTAIN
MAXIMUM DEFLECTION ON SCOPE

FIG. 2 AZIMUTH ADJUSTMENT

C. PLAY BACK EQ ADJUSTMENT

Instruments: Test Tape (LCT-3031-C or equivalent) AC VTVM

1. Connect the AC VTVM to LINE OUTPUT, set BIAS to LOW and EQ to 120 μ S position and set the DOLBY NR to OFF.
 2. Check to see that output level difference between 40Hz, 1KHz and 10KHz signals is within ± 1.0 dB when the Test Tape (LCT-3031-C) is inserted into the recorder and it is played back.
 3. If the difference is large make adjustment of Potentiometer VR102 (VR202 for right channel).
- If output level at 10KHz is higher(lower)than 1KHz, turn Potentiometer counterclockwise (clockwise).



WHEN OUTPUT LEVEL AT 10KHz IS HIGHER (LOWER) THAN 1KHz, TURN IT COUNTERCLOCKWISE (CLOCKWISE) UNTIL OUTPUT LEVEL OF 10KHz & 1KHz ARE SAME.

FIG. 3 PLAY BACK EQ ADJUSTMENT HOOK-UP

II. ADJUSTMENT OF RECORDING SYSTEM

A. BIAS CARRIER TRAP ADJUSTMENT

Instruments: Oscilloscope and Blank Tape

1. Connect oscilloscope to Terminal Pin 33 (Pin 34 for right channel) on the REC/PB PCB.
2. Set RECORD LEVEL control to minimum and insert Blank Tape.
3. Adjust Trap Coil, L101 (L201 for right channel) to obtain minimum deflection on the oscilloscope.

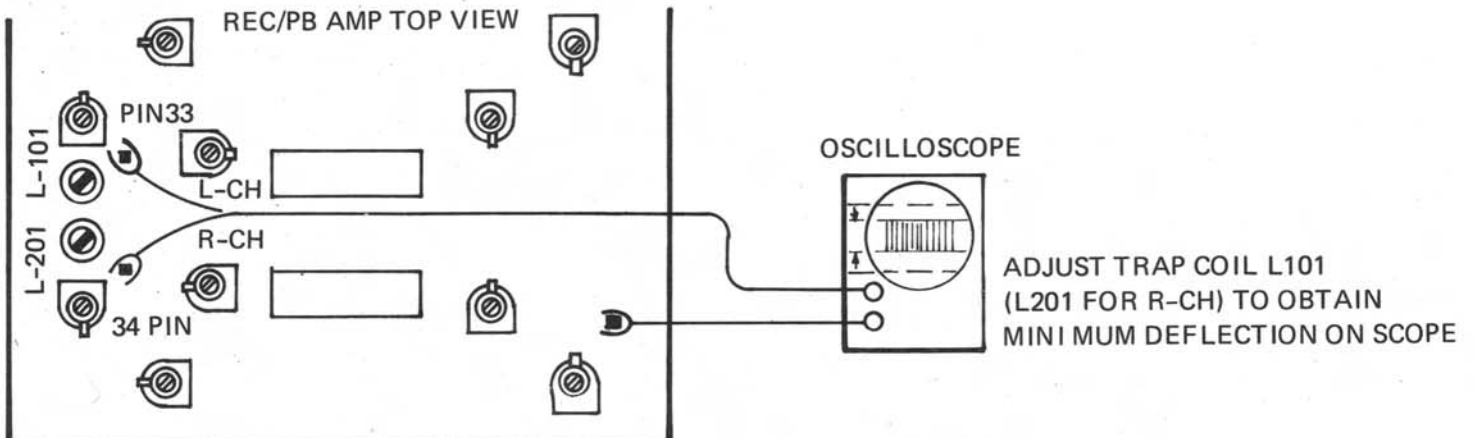
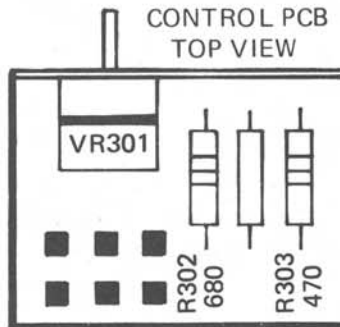


FIG. 4 BIAS CARRIER TRAP ADJUSTMENT HOOK-UP

B. BIAS VOLTAGE ADJUSTMENT

Instruments: AC VTVM and Blank Tape

1. Connect AC VTVM to Pin 11 (Pin 12 for right channel) of REC/PB PCB and insert Blank Tape. Depress REC, play and PAUSE buttons.
 2. Set BIAS Selector to "HIGH". Make adjustment by turning Potentiometer VR101 (VR201 for right channel) so that AC VTVM reads 5mV.
 3. Next, set BIAS Selector to "LOW". Make adjustment by changing R301 and R303 so that AC VTVM reads 4mV on Pin 11 and 12.
- Inserting (removing) R303 680ohms will increase (decrease) the BIAS VOLTAGE.



C. DOLBY REC/PB OUTPUT LEVEL ADJUSTMENT

Instruments: Audio Generator and Normal Blank Tape (Sony Hf, etc.)

1. Insert Normal Tape into recorder and depress REC, PLAY and PAUSE buttons. Set RECORD LEVEL control to maximum. Then set DOLBY NR switch to ON.
 2. Connect Audio Generator to LINE IN, and apply 400Hz (sine wave). Control output of Audio Generator so that VU meter needle falls on DOLBY Mark (+2dB).
 3. In step 2, release PAUSE and record the tape. Check to see that the VU meter needle falls on DOLBY Mark when playing back the recorded tape.
 4. If recording and playback levels are different. Repeat Step 3 until the two levels almost equal by adjusting Potentiometer VR104 (VR204 for right channel) when recording tape. Allowable margin of difference is within $\pm 1.5\text{dB}$.
- If playback level is higher, turn Potentiometer (VR104 or 204) counterclockwise, and if it is lower, turn clockwise. Then, record and playback the tape.

REC/PB AMP PCB TOP VIEW

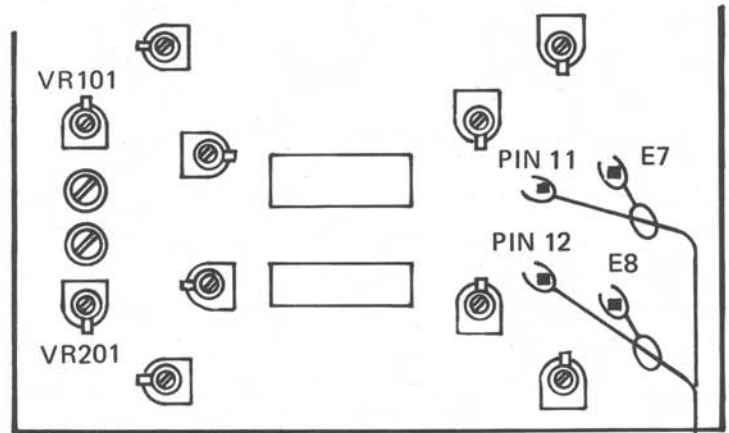
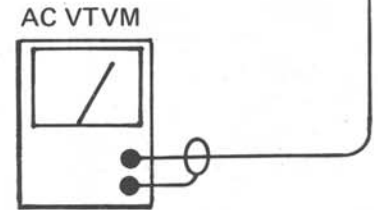


FIG. 5 BIAS VOLTAGE LEVEL ADJUSTMENT HOOK-UP



AUDIO GENERATOR

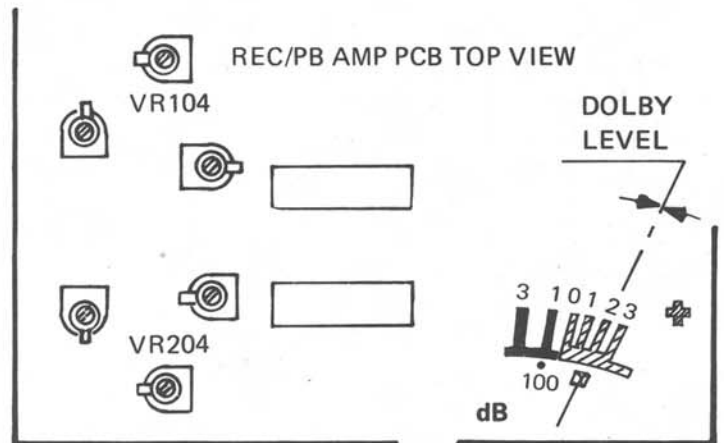
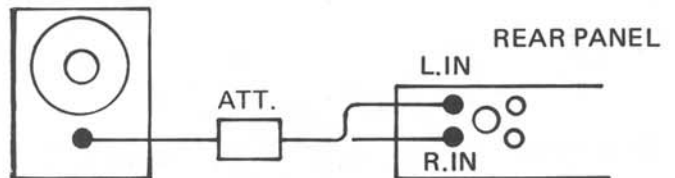


FIG. 6 REC/PB LEVEL ADJUSTMENT HOOK-UP

- STEP 2
ADJUST ATTENUATOR SO THAT THE READING OF VU METER IS DOLBY LEVEL (+2dB POINT).
- STEP 4
ADJUST POTENTIOMETER VR104 (VR204 FOR R-CH). SO THAT THE READING OF VU METER IS DOLBY LEVEL (+2dB POINT).

D. BIAS CURRENT ADJUSTMENT

Instruments: Audio Generator, AC VTVM and Blank Tape, Chrome Tape.

1. Chrome Tape

- Set BIAS Selector to "HIGH" position, and EQ Selector to "70 μ S", insert Chrome Tape (Sony CR, etc.) into recorder. Set RECORD LEVEL to maximum.
 - Connect AC VTVM to LINE OUT, and connect Audio Generator to LINE IN. Apply 400Hz signal from Audio Generator. Record 400Hz signal at 20dB below 0VU. Then, record 10KHz signal at the same level.
 - Check to see that output level difference between 400Hz and 10KHz signal is within ± 1.0 dB when playing back the recorded tape.
 - If the difference is large, repeat Step b and c until the difference falls within ± 1.0 dB by making fine adjustment of Potentiometer VR101 (VR201 for right channel).
- If output level at 10KHz is higher (lower) turn Potentiometer clockwise (Counter-clockwise)

2. Normal Tape

- Set BIAS Selector to "LOW" position, and EQ Selector to "120 μ S", insert Normal Tape (Sony Hf, etc.). Follow the same procedures as in Chrome Tape. Make adjustment by changing R301 and 303.
- Make sure to check Procedure E after completing the above adjustment.

E. DISTORTION CHECK

Instruments: HD Analyzer, Audio Generator and Blank Tape.

- Connect Audio Generator to LINE IN, and HD Analyzer to LINE OUT.
- Insert Blank Tape and apply 400Hz signal from Audio Generator. Record the tape at 0VU.
- Check to see that the distortion is within the following range when playing back the recorded tape.
 - Normal Tape : under 1.5%
 - CrO₂ : under 3%
- If the distortion factor exceeds the above values, check bias current and make fine adjustment. Then check distortion again.

F. CHECKING TAPE SPEED DEFLECTION AND ADJUSTING SPEED

Instruments: Frequency Counter and Test Tape (LCT-3001 or the equivalent).

- Connect Frequency Counter to LINE OUT. Set BIAS to LOW, EQ to 120 μ S and set the DOLBY NR to OFF.
- Insert Test Tape (LCT-3001) into recorder and depress PLAY button to play back the tape. Check to see that allowable margin of deflection at the beginning of, at the middle of or at the end of winding is in the range of +2% -1%. (at 3,000Hz, allowable margin of deflection of speed is 3,060-2,970).
- If tape speed deflection surpasses the above range, adjust speed of the motor.

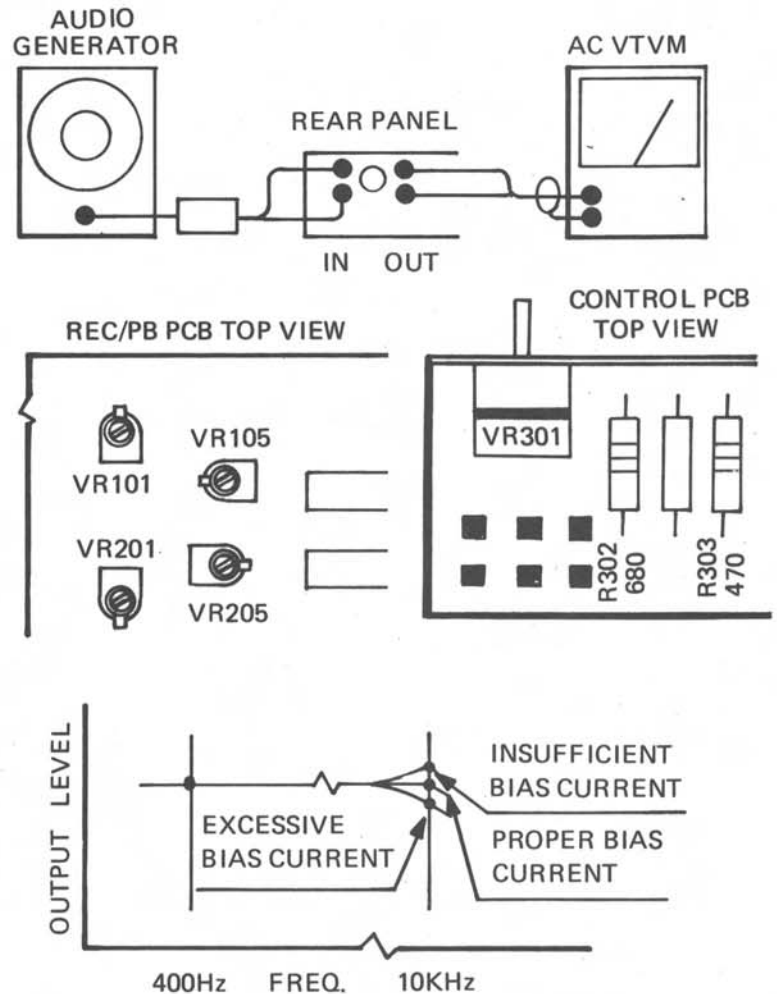


FIG. 7 BIAS CURRENT ADJUSTMENT HOOK-UP

SPEED ADJ

ADJUST POTENTIOMETER INSIDE THE MOTOR, SO THAT FREQUENCY COUNTER INDICATES 3000Hz.

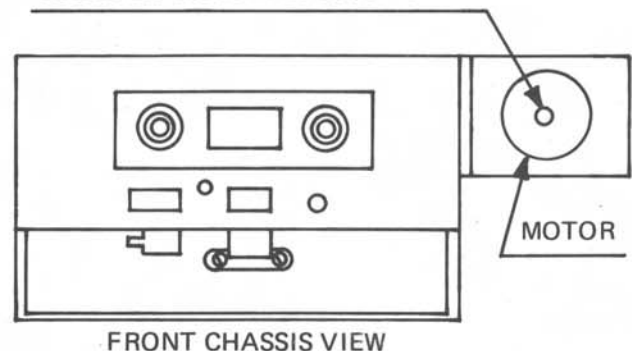
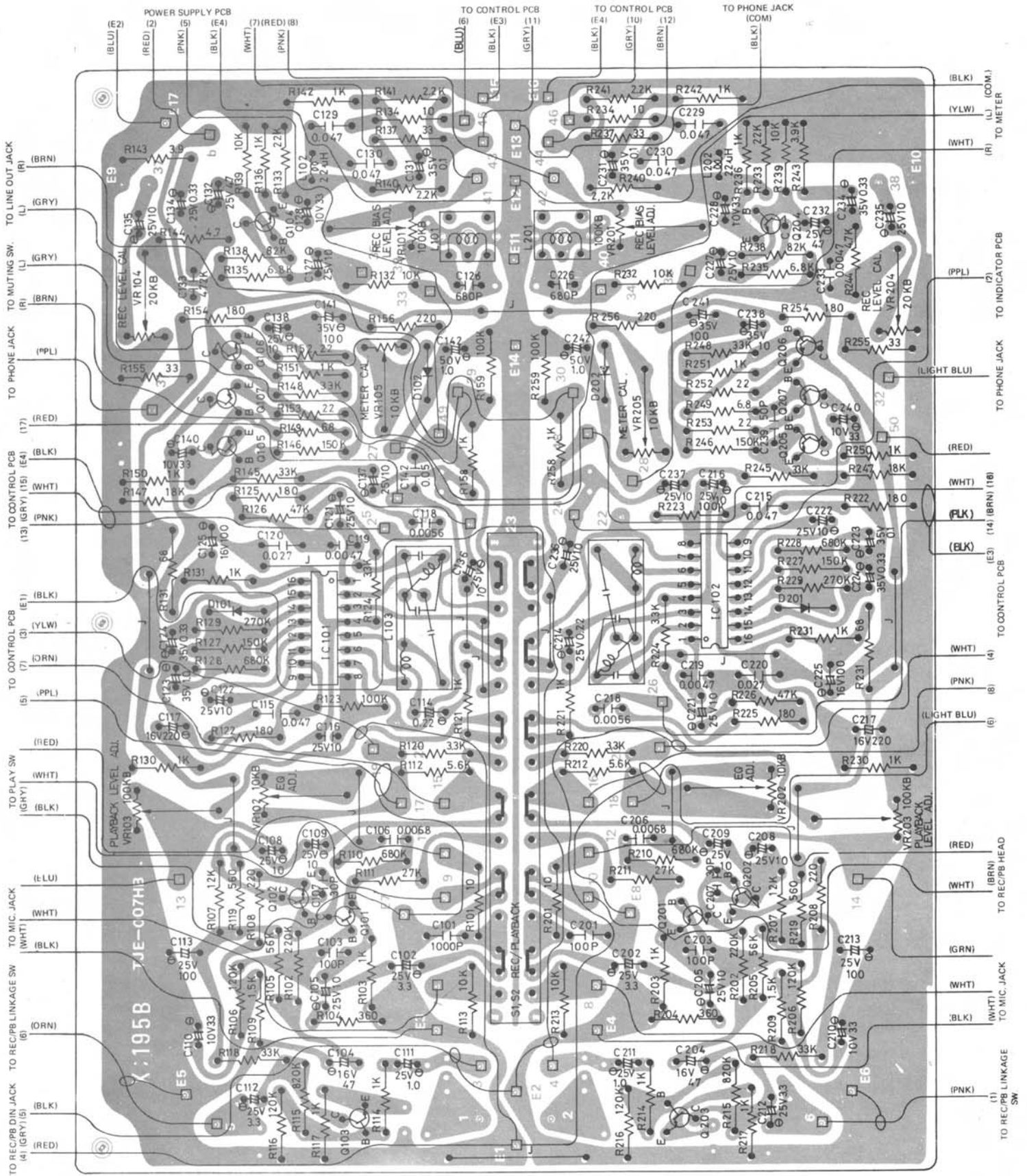
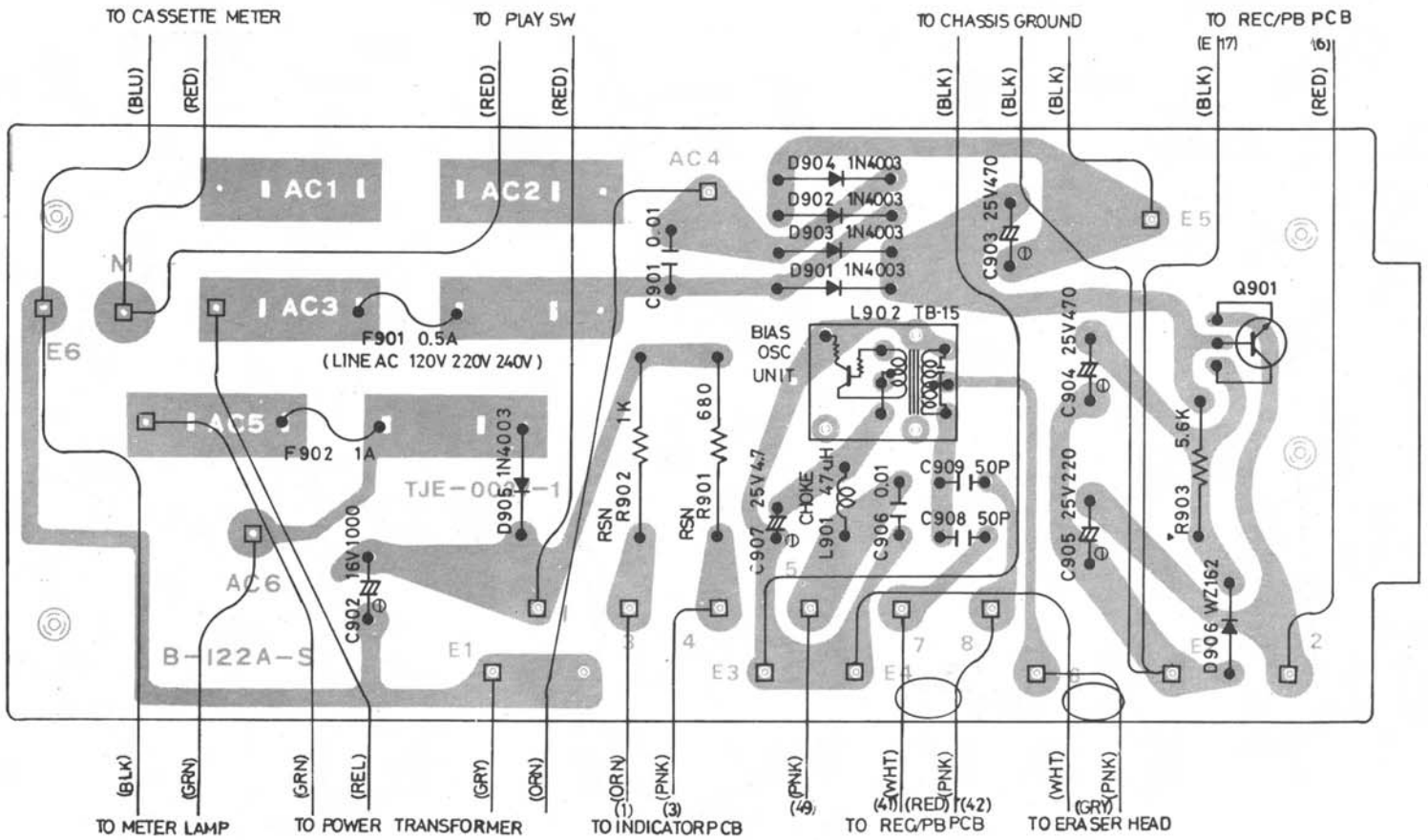


FIG. 8 TAPE SPEED ADJUSTMENT

REC/PB AMP. CIRCUIT BOARD DIAGRAM

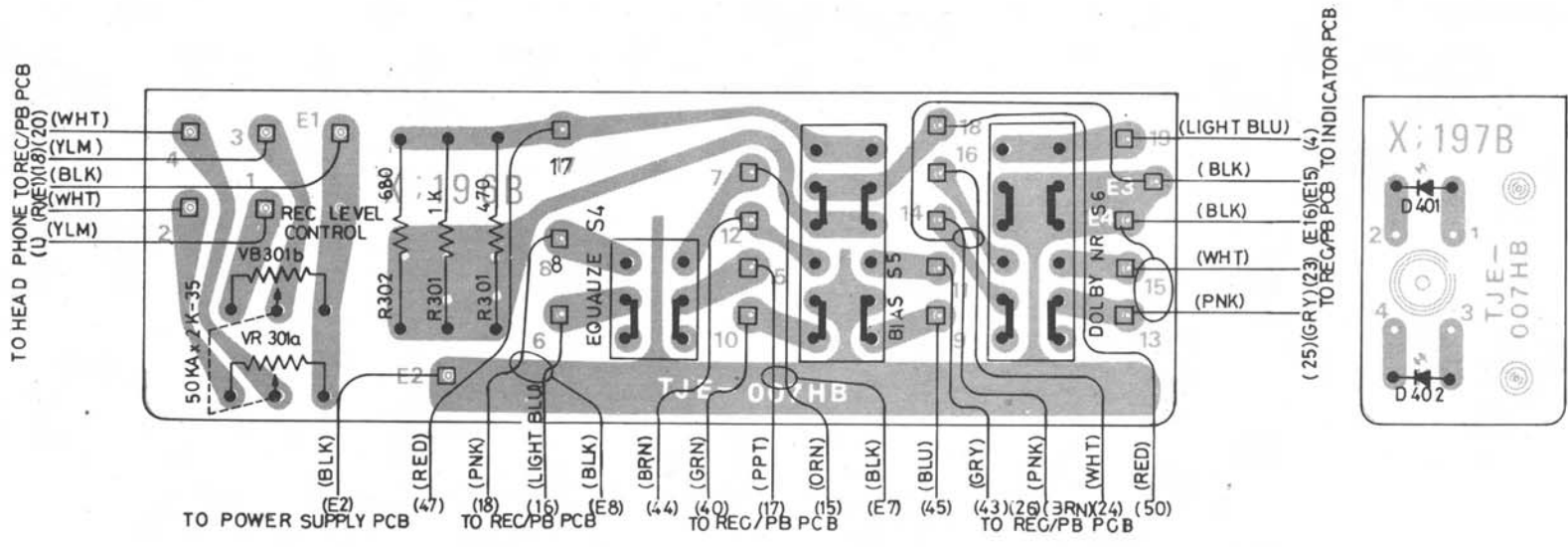


POWER SUPPLY CIRCUIT BOARD DIAGRAM

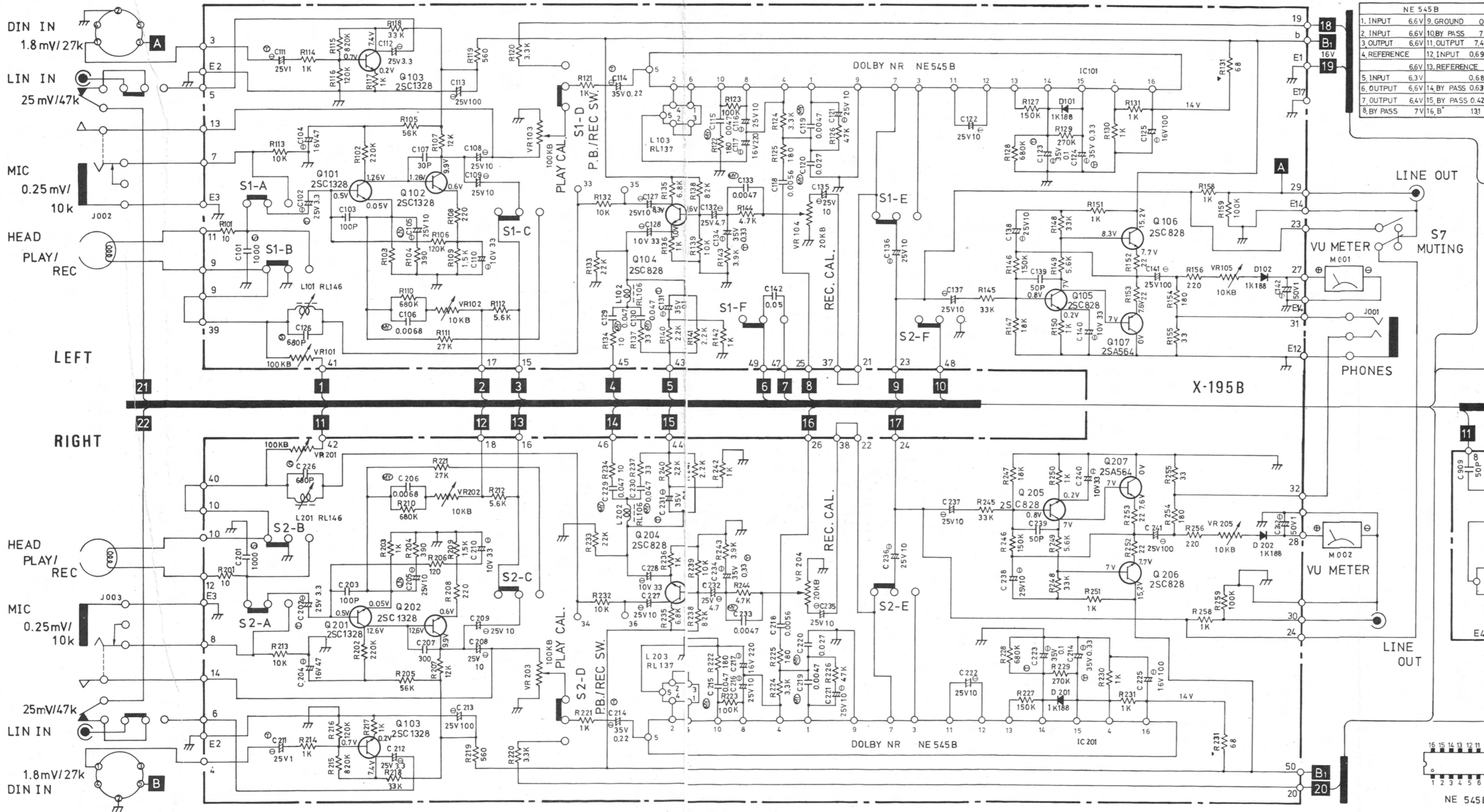


CONTROL CIRCUIT BOARD DIAGRAM

INDICATOR CIRCUIT BOARD DIAGRAM



SCHEMATIC DIAGRAM



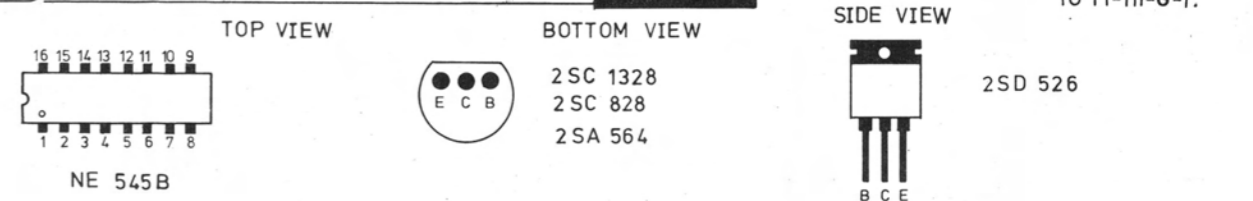
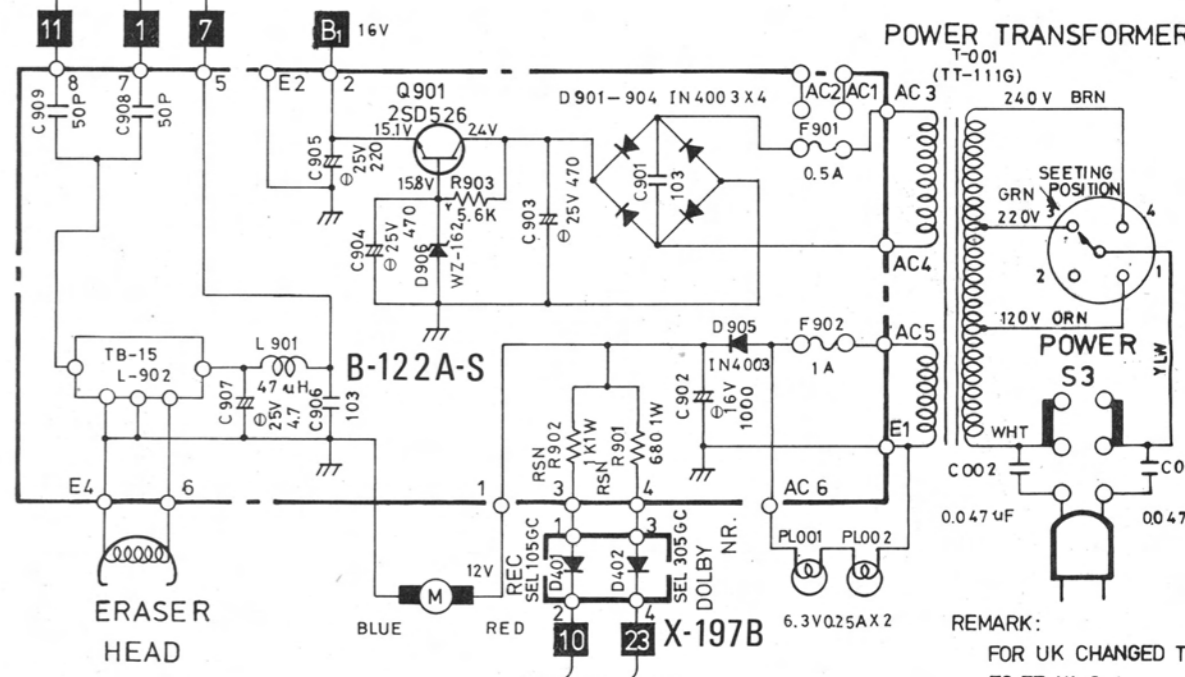
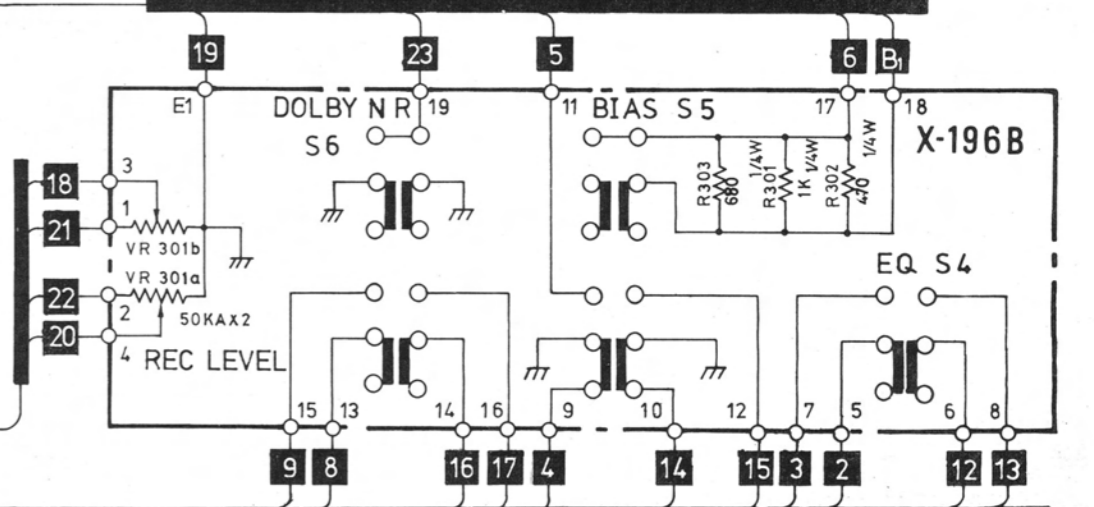
| NE 545 B | |
|--------------|-------------------------|
| 1. INPUT | 6.6V 9. GROUND 0 V |
| 2. INPUT | 6.6V 10. BY PASS 7 V |
| 3. OUTPUT | 6.6V 11. OUTPUT 7.4 V |
| 4. REFERENCE | 12. INPUT 0.69 V |
| | 6.6V 13. REFERENCE |
| 5. INPUT | 6.3V 0.68 V |
| 6. OUTPUT | 6.6V 14. BY PASS 0.63 V |
| 7. OUTPUT | 6.4V 15. BY PASS 0.42 V |
| 8. BY PASS | 7V 16. B' 131 V |

RESISTORS
 5% TOLERANCE UNLESS OTHERWISE NOTED.
 K--- KILO OHM
 M--- MEGA OHM
 *--- COMPOSITION RESISTOR 1/2 WATT.
 RS--- METAL OXIDE FILM RESISTORS.
 NON MARK--- LOW NOISE TYPE CARBON RESISTORS
 1/4 WATT.

| ITEM | SCHEMATIC | LOCATION (LAST) |
|---------------|-----------|-----------------|
| REC/PB AMP | R 159 | C 142 |
| TAPE SELECTOR | R 303 | --- |
| POWER SUPPLY | R 903 | C 909 |
| CHASSIS | --- | C 002 |

CAPACITORS
 ---MYLAR FILM CAPACITORS.
 ---LOW NOISE CAPACITORS.
 ---POLYSTYRENE CAPACITORS.
 ---TANTALUM CAPACITORS.
 ---ELECTROLYTIC CAPACITORS.
 NON MARK--- CERAMIC CAPACITORS.
 UNLESS OTHERWISE NOTED IN SCHEMATIC ALL CAPACITANCE VALUES ARE EXPRESSED IN MFD.

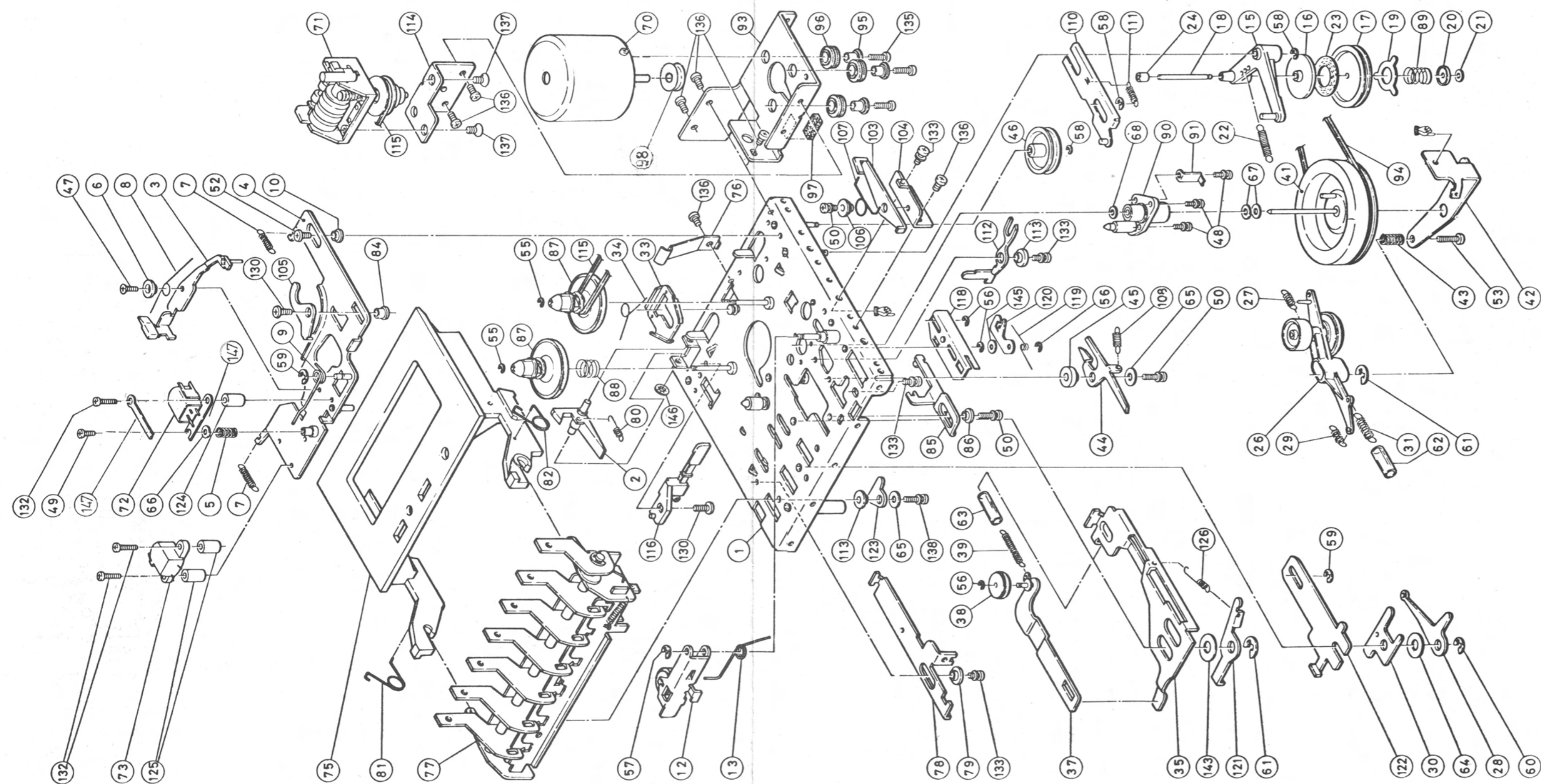
DOLBY NR. SW. BIAS SW. EQ SW.
 ON HIGH 70us
 OFF LOW 120us



REMARK:
 FOR UK CHANGED T001
 TO TT-111-G-1.

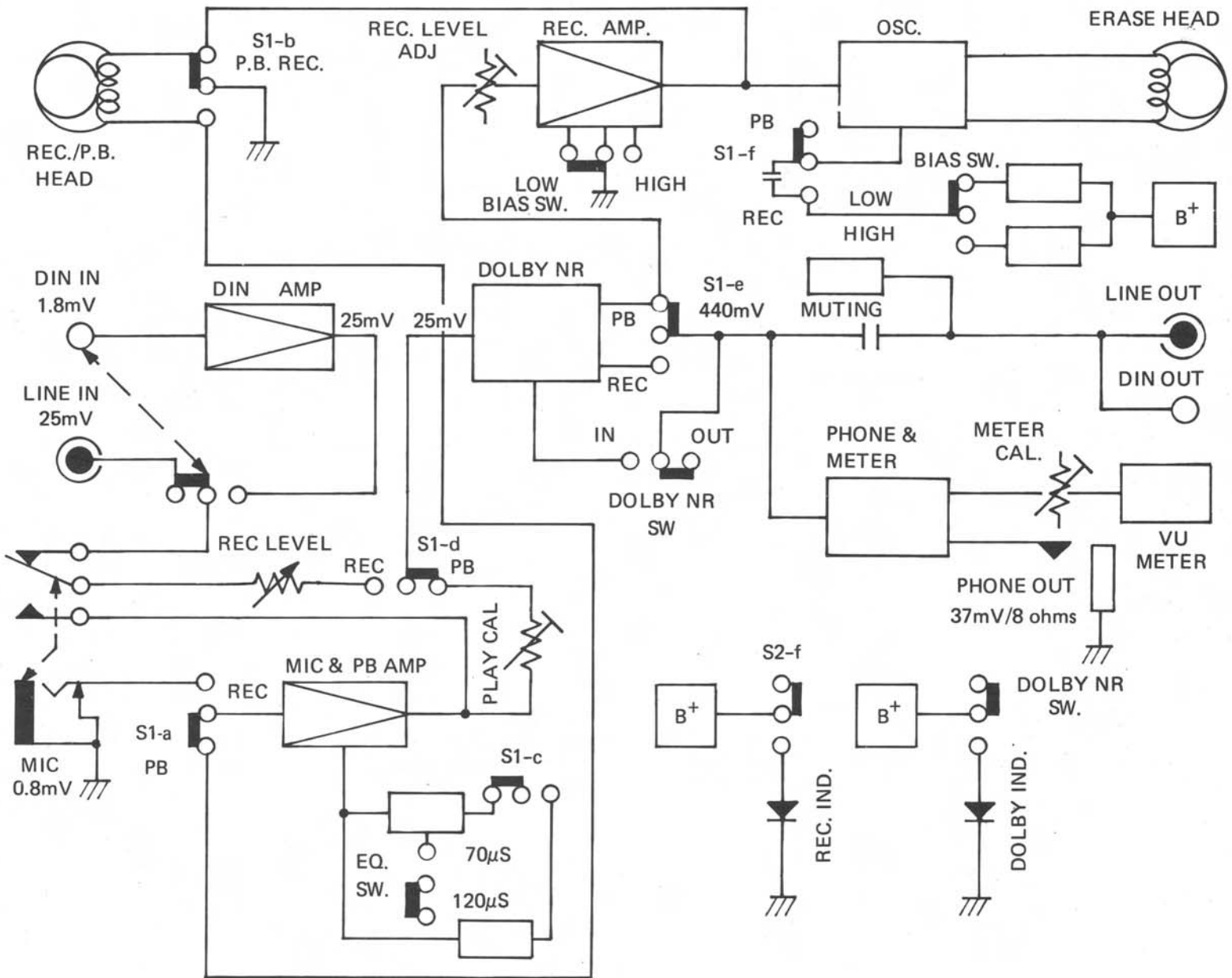
MECHANISM ASSEMBLY BLOCK DIAGRAM

MACHANISM ASSEMBLY BLOCK

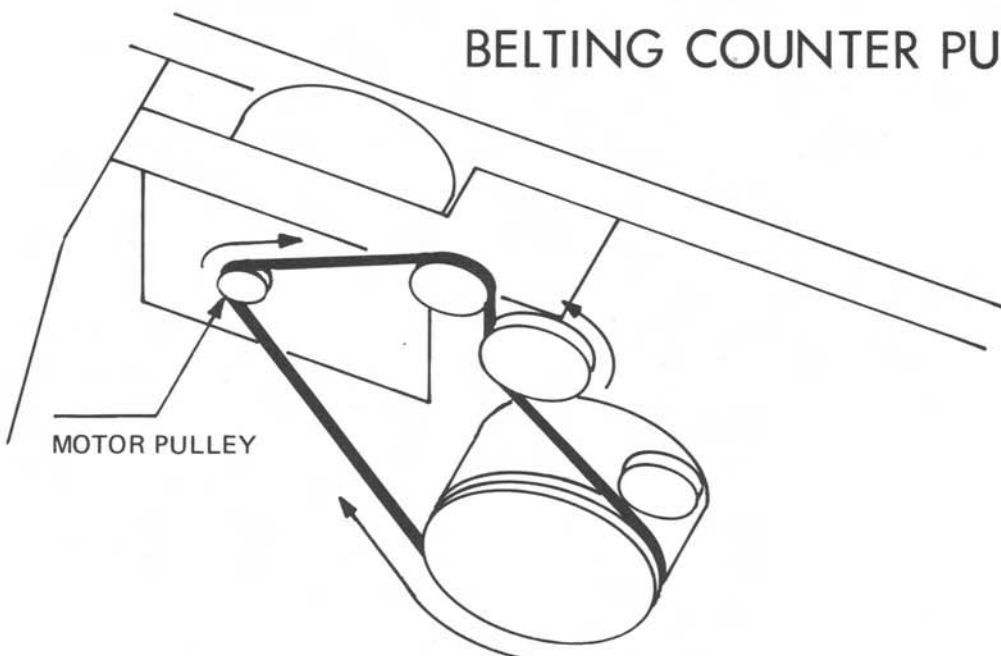


| No. | Part No. | Description | Q'ty | No. | Part No. | Description | Q'ty |
|-----|-----------|---|------|------|-----------|--|------|
| 1. | 090171001 | Chassis Ass'y | 1 | 74. | | Not used | 0 |
| 2. | 090171002 | REC Lock Lever | 1 | 75. | 090176121 | Tape Pack Holder | 1 |
| 3. | 090171003 | Sensing Plate Ass'y | 1 | 76. | 090176122 | Spring, Pack Pressure | 1 |
| 4. | 090171004 | Sub-chassis Ass'y | 1 | 77. | 090171017 | Push Lever Ass'y | 1 |
| 5. | 090176101 | Spring, Rec/PB Head Mtg. | 1 | 78. | 090171018 | Rec Lever | 1 |
| 6. | 090177201 | Collar, Sensing Plate Mtg. | 1 | 79. | 090177227 | Collar, Rec Lever Mtg. | 1 |
| 7. | 090176102 | Spring, Sub-chassis | 2 | 80. | 090176123 | Spring, Rec Lock Lever | 1 |
| 8. | 090176103 | Spring, Sensing Plate | 1 | 81. | 090176124 | Spring, Eject (L) | 1 |
| 9. | 090176104 | RQ Spring | 1 | 82. | 090176125 | Spring, Eject (R) | 1 |
| 10. | 090177202 | Collar, Sub-chassis Mtg. | 1 | 83. | | Not used | 0 |
| 11. | | Not used | 0 | 84. | 090177228 | Collar, Sub-chassis & Eject Stopper Mtg. | 1 |
| 12. | 090171005 | Pinch Roller Ass'y | 1 | 85. | 090171019 | Play Lever | 1 |
| 13. | 090176105 | Spring, Pinch Roller | 1 | 86. | 090177227 | Collar, Play Lever Mtg. | 1 |
| 14. | | Not used | 0 | 87. | 090176126 | Reel Table Ass'y | 2 |
| 15. | 090171006 | Clutch Arm Ass'y | 1 | 88. | 090176127 | Spring, Back Tention | 1 |
| 16. | 090171007 | Clutch Plate | 1 | 89. | 090176128 | Spring, Clutch | 1 |
| 17. | 090176106 | Clutch Pulley | 1 | 90. | 090176129 | Flywheel Bearing | 1 |
| 18. | 090176107 | Clutch Shaft | 1 | 91. | 090171020 | Earth Metal | 1 |
| 19. | 090171008 | Clutch Spring Plate | 1 | 92. | | Not used | 0 |
| 20. | 090171009 | Clutch Spring Saucer | 1 | 93. | 090171021 | Bracket, Motor Mtg. | 1 |
| 21. | 090177203 | Nylon Washer | 1 | 94. | 090176130 | Belt, Main | 1 |
| 22. | 090176109 | Spring, Clutch Arm | 1 | 95. | 090177230 | Collar, Motor Mtg. | 3 |
| 23. | 090179302 | Felt, Clutch | 1 | 96. | 090176131 | Cushion Rubber, Motor Mtg. | 3 |
| 24. | 090176110 | Idler Pulley, Take-up | 1 | 97. | 090179301 | Mat G, Shock Absorber | 1 |
| 25. | | Not used | 0 | 98. | 090176132 | Motor Pulley | 1 |
| 26. | 090171033 | F.F. Idler Pulley Ass'y | 1 | 99. | | Not used | 0 |
| 27. | 090176111 | Spring | 1 | 100. | | Not used | 0 |
| 28. | 090171010 | F.F. Arm Link | 1 | 101. | | Not used | 0 |
| 29. | 090176112 | Spring | 1 | 102. | | Not used | 0 |
| 30. | 090171011 | RWD Arm Link | 1 | 103. | 090171022 | Eject Stopper Arm | 1 |
| 31. | 090176113 | Spring | 1 | 104. | 090171023 | Bracket, Eject Arm | 1 |
| 32. | | Not used | 0 | 105. | 090171024 | Eject Stopper | 1 |
| 33. | 090171012 | Brake Arm | 1 | 106. | 090177231 | Collar, Eject Stopper Mtg. | 1 |
| 34. | 090176114 | Spring, Brake | 1 | 107. | 090176133 | Spring, Eject Stopper | 1 |
| 35. | 090171013 | Brake Arm Link | 1 | 108. | 090176134 | Spring, Stop Lever | 1 |
| 36. | | Not used | 0 | 109. | | Not used | 0 |
| 37. | 090171014 | RWD Idler Arm Ass'y | 1 | 110. | 090171025 | Slide Lever Ass'y | 1 |
| 38. | 090176115 | RWD Idler Pulley | 1 | 111. | 090176135 | Spring, Slide Lever | 1 |
| 39. | 090176116 | Spring, RWD Idler Arm | 1 | 112. | 090171026 | Arm Lever | 1 |
| 40. | | Not used | 0 | 113. | 090177232 | Collar, Arm Lever Mtg. | 2 |
| 41. | 090176117 | Flywheel Capstan | 1 | 114. | 090171027 | Bracket, Tape Counter Mtg. | 1 |
| 42. | 090171015 | Flywheel Bracket | 1 | 115. | 090176136 | Belt, Tape Counter | 2 |
| 43. | 090176118 | Thrust Spring | 1 | 116. | 090176137 | Leaf Switch | 1 |
| 44. | 090171016 | Stop Lever | 1 | 117. | | Not used | 0 |
| 45. | 090177204 | Collar, Stop Lever Mtg. | 1 | 118. | 090171028 | Pause Slide Lever Ass'y | 1 |
| 46. | 090176119 | Pulley | 1 | 119. | 090176138 | Spring, Pause Lever | 1 |
| 47. | 090177205 | Screw, M2x5, Sensing Plate Mtg. | 1 | 120. | 090171029 | Pause Lever | 1 |
| 48. | 090177206 | Screw, M2x5, Flywheel Bearing Mtg. | 3 | 121. | 090171030 | RQ Lever | 1 |
| 49. | 090177207 | Screw, M2x6, Rec/PB Head Mtg. | 1 | 122. | 090171031 | RQ Lever Link | 1 |
| 50. | 090177208 | Screw, M2.6x7, Stop Lever Mtg., etc. | 3 | 123. | 090171032 | Stopper B | 1 |
| 51. | | Not used | 0 | 124. | 090177234 | Collar, Rec/PB Head Mtg. | 1 |
| 52. | 090177210 | Screw, M2.6x4, Sub-chassis Mtg. | 1 | 125. | 090177235 | Spring, RQ Lever | 2 |
| 53. | 090177211 | Screw, M2.6x10, Flywheel Bracket Mtg. | 1 | 126. | 090176139 | Spring, RQ Lever | 1 |
| 54. | | Not used | 0 | 127. | | Not used | 0 |
| 55. | 090177213 | E Ring, φ 1.2, Reel Table Mtg. | 2 | 128. | | Not used | 0 |
| 56. | 090177214 | E Ring, φ 1.5, Pause Link Mtg. | 4 | 129. | | Not used | 0 |
| 57. | 090177215 | E Ring, φ 1.9, Pinch Roller Ass'y Mtg. | 1 | 130. | 090177236 | Screw, M2.6x6, Leaf SW Mtg. | 2 |
| 58. | 090177216 | E Ring, φ 2.0, Clutch Arm Ass'y Mtg. | 3 | 131. | | Not used | 0 |
| 59. | 090177217 | E Ring, φ 2.5, RQ Link Mtg. | 4 | 132. | 090177238 | Screw, M2x12, Erase Head Mtg., etc. | 3 |
| 60. | 090177218 | E Ring, φ 3.2, FF Arm Link Mtg. | 1 | 133. | 090177239 | Screw, M2.6x5, Pause Lever Ass'y Mtg | 4 |
| 61. | 090177219 | E Ring, φ 4.0 RQ Lever Mtg. etc. | 4 | 134. | | Not used | 0 |
| 62. | 090177220 | Vinyl Tube, φ 4.5x10, RWD Link Spring Sleeve | 1 | 135. | 090177241 | Screw, M2.6x7, Motor Mtg. | 3 |
| 63. | 090177221 | Vinyl Tube, φ 3x10, RWD Idler Spring Sleeve | 1 | 136. | 090177242 | Screw, M2.6x4, Counter Bracket Mtg., etc. | 1 |
| 64. | 090177222 | Nylon Washer, φ 4xφ3x0.3φ, FF Arm Link Spacer | 1 | 137. | 090177243 | Screw, M3x5, Counter Mtg. | 2 |
| 65. | 090177223 | Washer, φ2.6xφ7.5x0.5t, Stopper B Mtg., etc. | 2 | 138. | 090177244 | Screw, M2.6x8, Stopper B Mtg., etc. | 1 |
| 66. | 090177224 | Washer, M2, Rec/PB Head Spring Mtg. | 1 | 139. | | Not used | 0 |
| 67. | 090177225 | Washer, φ2.2xφ7x0.25t, Oil Sealling | 2 | 140. | | Not used | 0 |
| 68. | 090177226 | F Washer, φ1.9xφ5x0.5t | 1 | 141. | | Not used | 0 |
| 69. | | Not used | 0 | 142. | | Not used | 0 |
| 70. | 090172001 | Motor | 1 | 143. | 090177246 | Nylon Washer, φ6.1xφ10x0.5t, RQ Lever Mtg. | 1 |
| 71. | 090176120 | Tape Counter | 1 | 144. | | Not used | 0 |
| 72. | 090172002 | Rec/PB Head | 1 | 145. | | Not used | 0 |
| 73. | 090172003 | Erase Head | 1 | 146. | 090177249 | CS Ring, φ2.0, Rec Lock Lever Mtg. | 1 |
| | | | | 147. | 090177250 | Cord Clamp | 1 |

BLOCK DIAGRAM



BELTING COUNTER PULLEYS



REPAIR PART LIST

| Symbol | Part No. | Description |
|-------------------------------------|-----------|------------------------------------|
| TRANSISTORS, IC'S AND DIODES | | |
| Q101, 102 | 301201147 | 2SC1328(S, T), MIC/PB Amp. |
| Q201, 202 | 301201147 | 2SC1328(S, T), DIN Rec. Amp. |
| Q103, 203 | 301201115 | 2SC828(R, S), Buff Amp. |
| Q104, 204 | 301201115 | 2SC828(R, S), Phono, VU Meter Amp. |
| Q105, 106 | 301201115 | 2SC828(R, S), Phono, VU Meter Amp. |
| Q205, 206 | 301201117 | 2SC564A, Phono, VU Meter Amp. |
| Q107, 207 | 301301131 | 2SD526, Stabilizer |
| Q901 | 303452161 | NE-545B, Dolby NR Amp. |
| IC101, 102 | 300111008 | 1K188, Meter Rect. |
| D101, 102 | 300111008 | 1K188, Meter Rect. |
| D201, 202 | 300414014 | SEL-105RC, Rec. Indicator |
| D401 | 300414015 | SEL-305GC, Dolby NR Indicator |
| D402 | 300919026 | 1N4003, Rectifier |
| D901-905 | 300313017 | WZ-162, Zener Regulator, 16V, 1/2W |
| D906 | | |
| VARIABLE RESISTORS AND COILS | | |
| VR101, 201 | 510502155 | 100KB, Rec. Bias Level Adj. |
| VR102, 202 | 510502153 | 10KB, EQ Adj. |
| VR103, 203 | 510502155 | 100KB, Playback Level Cal. |
| VR104, 204 | 510502165 | 20KB, Rec. Level Cal. |
| VR105, 205 | 510502153 | 10KB, Meter Cal. |
| VR301 | 525101147 | 50KAx2, Rec. Level Control |
| L101, 201 | 228641135 | Rec. Bias Carrier Trap. |
| L102, 202 | 226501128 | 2.2mH, Choke Coil |
| L103, 203 | 228641134 | 19KHz Filter |
| L901 | 226501123 | 47 μ H, Choke Coil |
| L902 | 228641136 | TB-15, REC/Erase Carrier OSC Unit |

| Symbol | Part No. | Description |
|---------------|-----------|--|
| OTHERS | | |
| T001 | 203001420 | Power Transformer (for BS Application) |
| | 207001420 | Power Transformer |
| S1, S2 | 613000031 | Switch, Rec./Playback |
| S3 | 614010127 | Switch, Power Supply |
| S4, S5, S6 | 614030815 | Switch, Push, 3-Key, EQ Tape Bias Selector |
| (1 set) | | |
| M001, 002 | 231310076 | Meter, Level Indicator |
| PL001, 002 | 359101116 | Lamp, 6.3V 250mA, Meter Illumination |
| J001 | 626110025 | Jack, Phones |
| J002, 003 | 627117824 | Jack, Mic. |
| | 090172002 | Rec./Playback Head |
| | 090172003 | Erase Head |
| | 090176130 | Driver Belt |
| | 090172001 | Motor, DC 12V |
| | 109111004 | Tape Holder Cover Ass'y |
| | 111911378 | Front Panel Ass'y |
| | 116310202 | Double Knob, R-ch |
| | 116310203 | Double Knob, L-ch |
| | 116210009 | Push Button |
| | 124011288 | Bottom Board |
| | 138011281 | Upper Cover |
| | 624202202 | Pin Jack, 2P |
| | 625001115 | DIN Jack, 5P, with Switch |
| | 615212259 | Swith, Leave |
| | 141810721 | Rec./Playback Amp. Circuit Board Ass'y |
| | 141810722 | Control Circuit Board Ass'y. |
| | 141810723 | Indicator Circuit Board Ass'y. |
| | 141810724 | Power Supply Circuit Board Ass'y |
| F901 | 341220005 | Fuse, 0. 5A AC Circuit (Sec.) Overload Protector |
| | 345220005 | Fuse, 0. 5A AC Circuit (Sec.) Overload Protector (Mini Type) |
| | 345250005 | Fuse, 500mA AC Circuit (Sec.) Overload Protector (Mini Type With "S" "D" Mark) |
| F902 | 341220010 | Fuse, 1A, Lamp Overload Protector |
| | 345220010 | Fuse, 1A, Lamp Overload Protector (Mini Type) |
| | 345250010 | Fuse, 1A, Lamp Overload Protector (Mini Type With "S" "D" Mark) |

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 ROTEL OF AMERICA, INC.

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