

ALIGNMENT INSTRUCTIONS

AUDIO CIRCUIT ADJUSTMENT/CHECK

EQUIPMENT REQUIRED

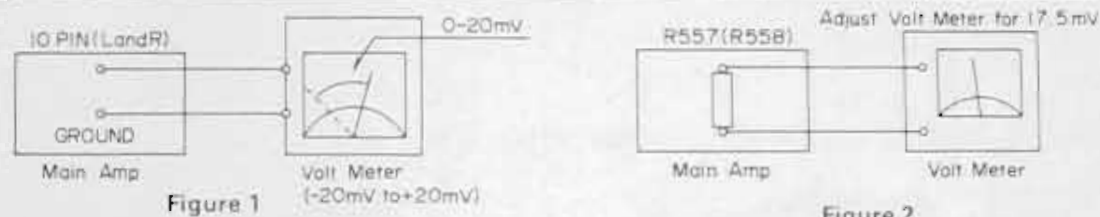
1. DC Voltmeter
2. Audio Oscillator
3. Oscilloscope
4. AC Voltmeter

- Note
- * Maintain voltage at 120 volts, AC 60 Hz.
 - * Set SELECTORS Switch to AUX 1.
 - * Set MODE Switch to STEREO
 - * See P.C.B. illustration for alignment points/adjustments.

For location of connection points and trimmer resistors, see P.C.B. view

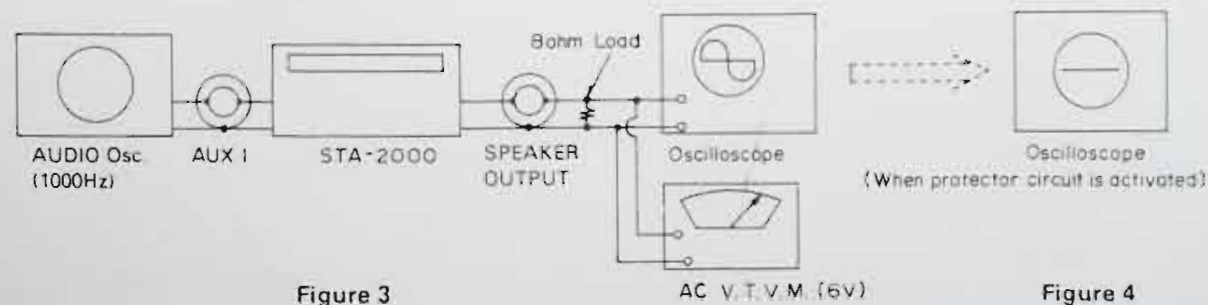
MAIN AMP ADJUSTMENT

| STEP | ADJUSTMENT | EQUIPMENT | CONNECTION | AUDIO FREQ. | LEVEL | ADJUSTMENT |
|------|--|---------------|-------------|-------------|---|------------------|
| 1 | Check Balance by measuring DC voltage across OUTPUT TERMINAL of L and R channel. | DC Volt Meter | See Fig. 1. | No signal | DC voltage should be less than 20 mV. | VR 501 VR 502 |
| 2 | Idling current adjustment. | DC Volt Meter | See Fig. 2. | No signal | Adjust voltage across Emitter resistors R 557 and R 558 to 17.5 mV (8 ohm Load) | VR 503 VR 504 |



RESET CIRCUIT ALIGNMENT

| STEP | ADJUSTMENT | EQUIPMENT | CONNECTION | AUDIO FREQ. | SETTING | LEVEL | ADJUSTMENT |
|------|--|--|-----------------|-------------|---|--|------------|
| 1 | Turn trimmer resistor VR 603 counterclockwise (minimum value). | | | | | | |
| 2 | | Audio Osc. V.T.V.M. Oscilloscope | See Figure 3 | 1000 Hz | VOLUME: Max. BASS, TREBLE BALANCE center | Adjust input to AUX 1 to get output level of about 6 volts (8 ohm load). | |
| 3 | Reset circuit adjustment | Audio Osc. V.T.V.M. Oscilloscope | See Figure 3, 4 | 1000 Hz | Same as above | Adjust VR 603 so output drops to zero (RESET comes "on") when output speaker terminals are shorted. DO NOT ADJUST PAST THIS POINT. | VR 603 |



For location of connection points and trimmer resistors, see P.C.B. view.

| STEP | ADJUSTMENT | EQUIPMENT | CONNECTION | AUDIO FREQ. | SETTING | LEVEL | ADJUSTMENT |
|------|-----------------------------|----------------------------------|-------------|-------------|--|--|--------------------------------------|
| 1 | WATT Meter level adjustment | Audio Osc. V.T.V.M. Oscilloscope | See Fig. 5. | 1000 Hz | VOLUME: Max BASS, TREBLE BALANCE: center | Adjust input to AUX 1 to get output level of 2.8 V (1 W) (8 ohm load). | VR 601 VR 602 VR 604 VR 605 |

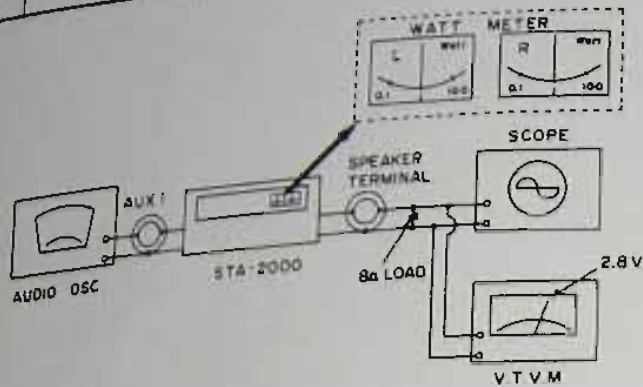


Figure 5

AM-FM IF & MPX COIL & TRIMMER LOCATIONS

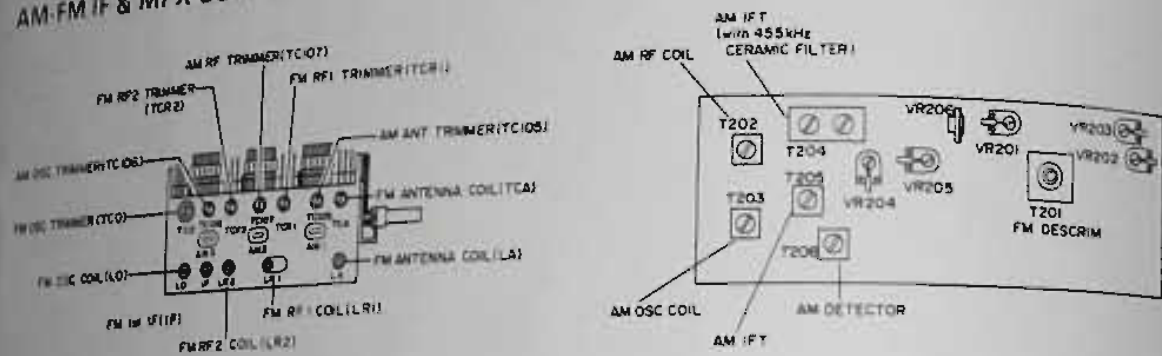


Figure 6

AM IF & RF ALIGNMENT

EQUIPMENT REQUIRED

1. AM Signal Generator
2. AC Voltmeter
3. Oscilloscope
4. Distortion Meter

- Note:
- Signal generator output should be no higher than necessary to obtain an output reading.
 - Maintain line voltage at 120 volts, 60 Hz AC.
 - Set SELECTOR switch to AM.
 - See P.C.B. illustrations for alignment points/adjustments.

Realistic STA-2000 (31-2075)

| STEP | SIGNAL GENERATOR COUPLING | SIGNAL GENERATOR FREQUENCY | DIAL SETTING | INDICATOR | ADJUSTMENT | REMARKS |
|------|---|--|--|--|--|--|
| 1 | Connect standard loop ANTENNA to Signal Generator and radiate signal into the AM Ferrite antenna. See Fig. 7. | 455 kHz (400 Hz, 30 % Mod.) | Point of non-interference (near 600 kHz) | AC Voltmeter to TAPE OUT-1 Jack | T 204 (Both sections) T 205 T 206 | Adjust for maximum reading on meter. |
| 2 | Same as above | 455 kHz (400 Hz, 80 % Mod.) | Same as above | Distortion Meter and AC Voltmeter to TAPE OUT 1 Jack | T 206 | Adjust for minimum Distortion. |
| 3 | Same as above | 600 kHz (400 Hz, 30 % Mod.) | 600 kHz | Same as STEP 1 | T 203 (AM OSC Coil) L 101 (AM ANT Coil) T 202 (AM RF Coil) | Adjust for maximum reading on meter. Refer to Fig. 7. |
| 4 | Same as above | 1400 kHz (400 Hz, 30 % Mod.) | 1400 kHz | Same as STEP 1 | TC 106 (AM OSC Trimmer) TC 105 (AM ANT Trimmer) TC 107 (AM RF Trimmer) | Adjust for maximum reading on meter. Refer to Fig. 6 and 7. |
| 5 | Repeat STEPS 3 and 4 until no further change is noticed. | | | | | |
| 6 | Same as STEP 1 | No Signal | Point of non-interference and no signal | AM strength Meter (TUNING Meter on Receiver) | VR 206 | Adjust so the Meter Pointer on Receiver is at "0" point on the Meter. |
| 7 | Same as STEP 1 | 1000 kHz (400 kHz, 30 % Mod.) Output level to 100 mV/m | 1000 kHz | Same as above | VR 204 | Adjust so the Meter Pointer on Receiver is between 85 % and 90 % on the Meter. |
| 8 | Same as STEP 1 | 1000 kHz (Modulated 30 % with 2 kHz) Output level to 2 mV/m | 1000 kHz | Same as STEP 1 | VR 205 | Adjust so Output level increase by 3 dB (AM "wide band" circuit is "ON"). |

AM ALIGNMENT SET-UP

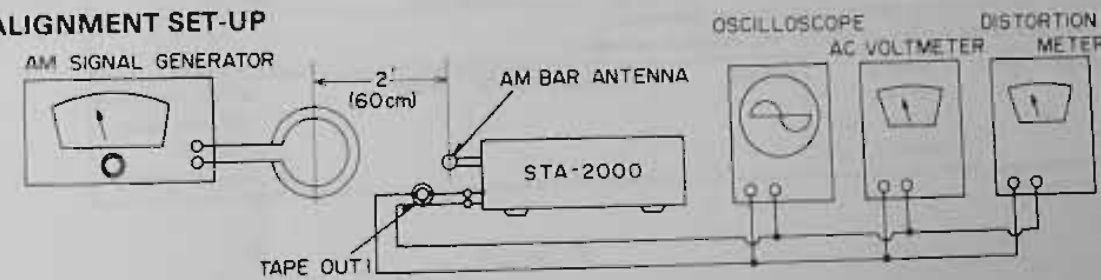


Figure 7

FM RF & IF ALIGNMENT

EQUIPMENT REQUIRED

1. FM Signal Generator
2. AC Voltmeter
3. Oscilloscope
4. Distortion Meter

NOTE:
 * Signal Generator output should be no higher than necessary to obtain an output reading.
 * Maintain Line voltage at 120 volts 60 Hz AC.
 * Set SELECTOR Switch to FM.
 * Refer to P.C.B. illustrations for test points/adjustments.

| STEP | GENERATOR COUPLING | GENERATOR FREQUENCY | DIAL SETTING | INDICATOR | ADJUSTMENT | REMARKS |
|------|---|--|----------------|---|--|---|
| 1 | Signal Generator to FM Antenna Terminal thru FM Dummy Antenna (300 ohm) | 98 MHz (400 Hz, 75 kHz dev.) Input: no input (unit off) | Near to 98 MHz | TUNING Meter | T 201 (Primary) | Adjust for Center Point on TUNING Meter. Refer to Fig. 8, 9 and 10. |
| 2 | Same as above | 98 MHz (400 Hz, 75 kHz dev.) Input: 1 mV | Same as above | AC Voltmeter Scope and Distortion Meter to TAPE OUT 1 Jack (L or R) | T 201 (Secondary) | Adjust for minimum Distortion (about 0.1 %). Refer to Fig. 8, 9 and 10. |
| 3 | Repeat STEPs (1) and (2) until no further improvement is noticed. | | | | | |
| 4 | Same as STEP (1) | 90 MHz (400 Hz, 75 kHz dev.) Input: about 2-3 μ V | 90 MHz | Same as STEP (2) | LO (FM OSC Coil) LR 1, LR 2 FM 1st and 2nd RF Coil LA (FM Antenna Coil) | Adjust for maximum reading on meter. Refer to Fig. 6 and 10. |
| 5 | Same as STEP (1) | 106 MHz (400 Hz, 75 kHz dev.) Input: about 2-3 μ V | 106 MHz | Same as STEP (2) | TCO (FM OSC Trimmer) TCR 1, TCR 2 (FM 1st and 2nd RF Trimmer) TCA (FM Antenna Trimmer) | Adjust for maximum reading on meter. Refer to Fig. 6 and 10. |
| 6 | Repeat STEPs (4) and (5) until no further improvement is noticed. | | | | | |
| 7 | Same as STEP (1) | 98 MHz (400 Hz, 75 kHz dev.) Input: 10 μ V | 98 MHz | Same as STEP (2) | IFT (FM 1st IFT) (FM Front-end Board) | Adjust for maximum reading on meter. Refer to Fig. 6 and 10. |
| 8 | Repeat STEP (7) until no further improvement is obtained. Go back and check STEPs (1) and (2) and realign if necessary. | | | | | |
| 9 | Same as STEP (1) | 98 MHz (400 Hz, 75 kHz dev.) Input: 2.5 μ V | 98 MHz | Same as STEP (2) | VR 201 | "MUTE" switched "ON" and adjust VR 201 for no signal output. |

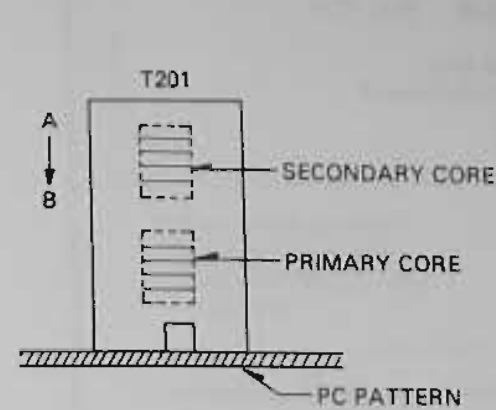


Figure 8

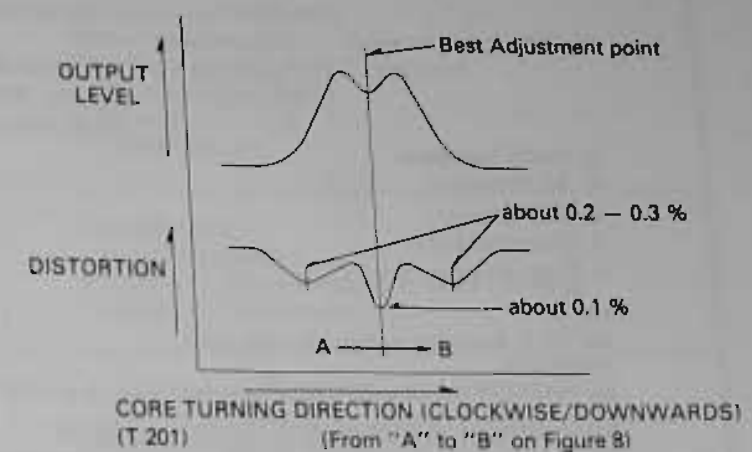


Figure 9

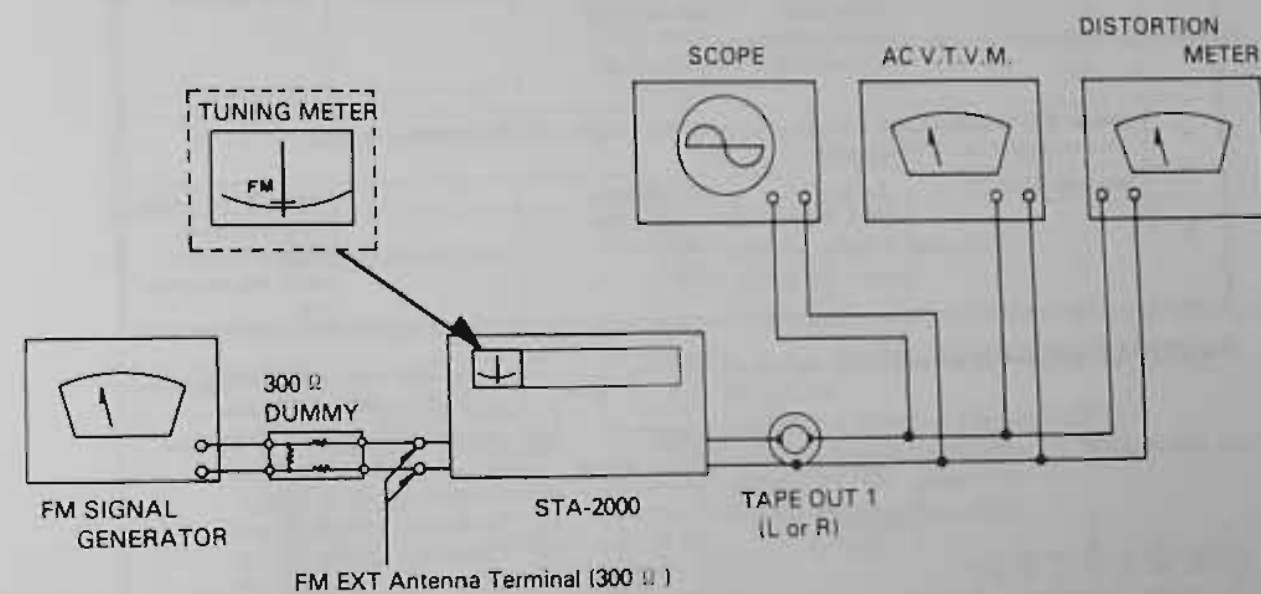


Figure 10

FM STEREO ALIGNMENT

EQUIPMENT REQUIRED

1. Stereo Modulator ---- Connect Stereo Modulator to EXT. Mod. terminal FM Signal Generator.
Modulation Level of 19 kHz Pilot Signal --- 8 — 10 %
2. FM Signal Generator ---- Output Level ---- 1 mV
Frequency ---- Approximately 98 MHz
Deviation ---- 75 kHz, 100 % modulation of composite signal
3. Audio Generator
4. AC Voltmeter
5. Oscilloscope
6. Distortion Meter
7. Frequency Counter

NOTE:
See P.C.B. illustration for alignment/test points.
Preliminaries
Set SELECTOR Switch to FM STEREO and MUTE Switch to "OFF" position.

MULTIPLEX & SEPARATION ALIGNMENT

| STEP | SIGNAL GENERATOR COUPLING | STEREO MODULATION | INDICATOR | ADJUSTMENT | REMARKS |
|------|--|--|---|---------------------|---|
| 1 | Connect to FM Antenna terminal thru FM dummy antenna (300 ohm). | Mono. 1 kHz (1000 Hz, No Mod.) Input: 1 mV | Counter connected to TP at Pin No. 12 of IC 202 | VR 203 | Adjust for 19 kHz \pm 50 Hz on Counter. Refer to Fig. 11. |
| 2 | Same as above | Composite MPX Signal 1 kHz on Left channel ONLY | AC Voltmeter connector for TAPE OUT 1 Jack of Right Channel | VR 202 (Separation) | Adjust for minimum reading on meter. Refer to Fig. 2. |
| 3 | Same as above | Composite MPX Signal 1 kHz on Right channel ONLY | AC Voltmeter connector for TAPE OUT 1 Jack of Left Channel | Same as above | Same as above |
| 4 | Repeat STEPs 2 and 3 until AC Voltmeter reading is at least - 40 dB re same channel output (ie. 40 dB separation). | | | | |
| 5 | Same as STEP (1) | Composite MPX Signal 1 kHz | AC Voltmeter connected to TAPE OUT 1 Jack | ----- | With 10 μ V antenna input signal, Stereo indicator lamp should come on. |

FM STEREO ALIGNMENT SET-UP

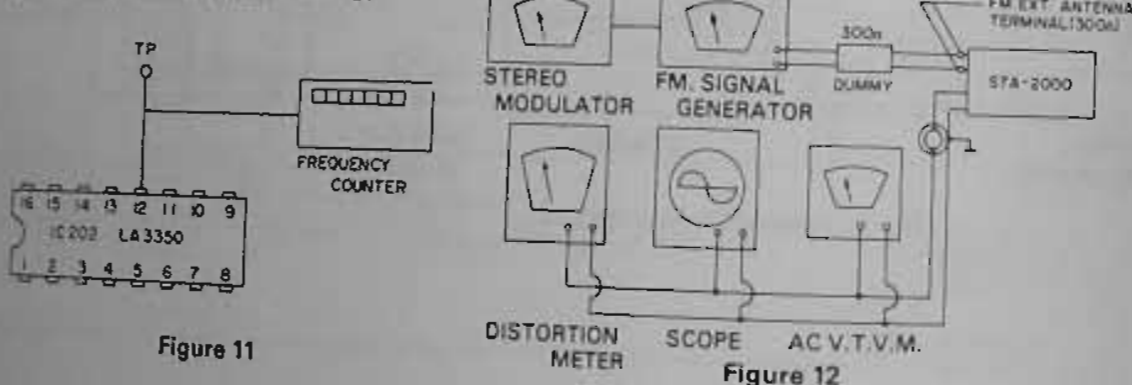


Figure 11

Figure 12

TROUBLESHOOTING

Realistic STA-2000 (31-2075)

| SYMPTOM | CAUSE/REMEDY |
|---|---|
| 1) No output | <ol style="list-style-type: none"> 1) Faulty AC power cord • Replace the cord. 2) Defective POWER switch • Replace the switch. 3) Broken wire in the Power Transformer • Replace the Transformer. 4) Blown Primary Fuse • Replace the Fuse. |
| 2) Pilot Lamp does not Light for SELECTOR (AM, FM, PHONO, AUX-1 or AUX-2). | <ol style="list-style-type: none"> 1) Broken Lamp • Replace the Lamp. 2) Open in the Power Transformer tertiary winding • Replace the Transformer. |
| 3) Pilot lamp lights but no Speaker output. | <ol style="list-style-type: none"> 1) Defective capacitor C 1106 or C 1107 • Replace the defective capacitor(s). 2) Defective Rectifier D 1101 • Replace the defective Rectifier. 3) Defect in the Power Transformer secondary winding • Replace the Power Transformer. 4) Defective Power Relay L 601 • Replace the Relay. |
| 4) Blows Fuse. | <ol style="list-style-type: none"> 1) Defective Rectifier D 1101 • Replace the Rectifier. 2) Short-circuit in the rectifier circuit • Remove the short. 3) Short-circuit in Power Transistor Circuitry TR 519-522 • Repair circuit and/or replace the defective Transistor. |
| 5) "A" Speakers do not work. | <ol style="list-style-type: none"> 1) Speaker switch A defective • Replace the switch. |
| 6) "B" Speakers do not work. | <ol style="list-style-type: none"> 1) Speaker switch B defective • Replace the switch. |
| 7) No output one channel with VOLUME at maximum and BALANCE at center, when a test signal is applied to the terminal of non-operating channel of the BALANCE control VR 405/406 | <ol style="list-style-type: none"> 1) Defective Transistor TR 401-412, TR 501-524 or TR 601-605 • Replace the defective Transistor(s). 2) Defective resistor or capacitor of TONE, MAIN AMP or PROTECTOR circuit • Replace the defective part(s). |
| 8) No output when a test signal is applied to the input terminals except PHONO input | <ol style="list-style-type: none"> 1) Defective MONO-Stereo or TAPE switch • Replace or repair the switch. 2) Defective Selector switch • Replace the switch. |

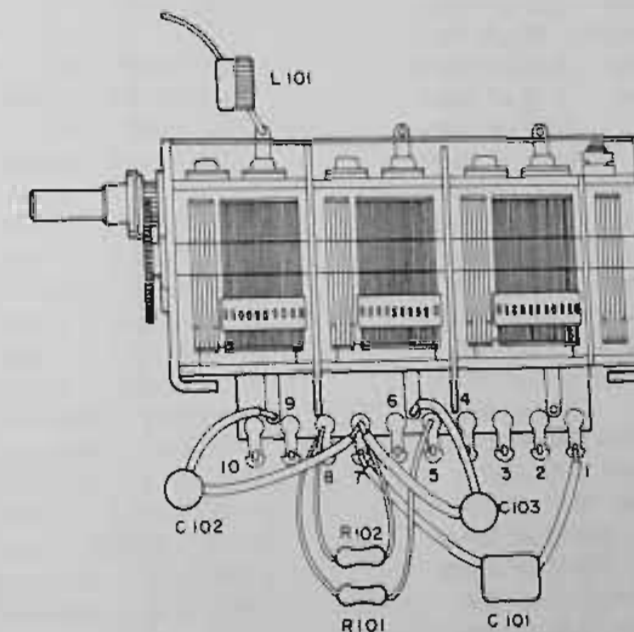
| SYMPTOM | CAUSE/REMEDY |
|--|---|
| 9) No output when a test signal is applied to the PHONO input terminals. | <ol style="list-style-type: none"> 1) Defective transistor, resistor or capacitor of PRE AMP circuit • Replace the part(s). 2) Defective MONO-Stereo or TAPE switch • Replace or repair the switch. 3) Defective Selector switch • Replace the Selector switch. |
| 10) Speaker works normally but Headphone does not work. | <ol style="list-style-type: none"> 1) Defective R 629 (Left) or R 628 (Right) • Change it. 2) Headphone plug does not mate with jack • Replace the plug. |
| 11) All the inputs work normally except "AUX-1" input. | <ol style="list-style-type: none"> 1) Poor contact in "AUX-1" input jack • Repair or replace it. 2) Poor contact in Selector switch • Repair or replace the switch. |
| 12) All the inputs work normally except "AUX-2" input. | <ol style="list-style-type: none"> 1) Poor contact in "AUX-2" input jack • Repair or replace it. 2) Poor contact in Selector switch • Repair or replace the switch. |
| 13) "PHONO" input not operative | <ol style="list-style-type: none"> 1) Poor contact in "PHONO" input jack • Repair or replace it. 2) Faulty Selector switch • Repair or replace it. |
| 14) "TAPE OUT 1" inoperative | <ol style="list-style-type: none"> 1) Poor contact in "TAPE OUT 1" output jack • Repair or replace the jack. |
| 15) "TAPE IN 1" inoperative | <ol style="list-style-type: none"> 1) Poor contact in "TAPE IN 1" input jack • Repair or replace the jack. |
| 16) "TAPE OUT 2" inoperative | <ol style="list-style-type: none"> 1) Poor contact in "TAPE OUT 2" output jack • Repair or replace the jack. |
| 17) "TAPE IN 2" inoperative | <ol style="list-style-type: none"> 1) Poor contact in "TAPE IN 2" input jack • Repair or replace the jack. |
| 18) No AM or FM. (Tuner + B voltage is not 11-12 V.) | <ol style="list-style-type: none"> 1) Broken tertiary winding in the Power Transformer • Replace the Transformer. 2) Defective Diode D 705 or D 706 • Change the defective Diode(s). 3) Faulty capacitor C 705, 706, 717, 718, 719, 720 or 724 • Change the defective capacitor(s). 4) Defective resistor R 713 or 714 • Replace the resistor(s). 5) Zener Diode D 707 defective • Replace the Diode. 6) Short-circuit in Tuner + B circuit • Repair the short. 7) Poor contact in Selector switch • Repair or replace it. 8) Defective Transistor TR 701 • Replace the Transistor. |

| SYMPTOM | CAUSE/REMEDY |
|--|--|
| 19) No FM | <ol style="list-style-type: none"> 1) Poor contact in Selector switch • Repair or replace it. 2) IC, Transistor, Diode, resistor, capacitor, inductor or IFT of FM IF board defective • Replace the defective part(s). 3) FM Front End defective • Replace the Front End (This board comes assembled). 4) Faulty FM Antenna lead-in/circuitry • Replace or repair the Antenna lead-in/circuitry. |
| 20) No AM | <ol style="list-style-type: none"> 1) Poor contact in Selector switch • Repair or replace switch. 2) Transistor, Diode, IFT, resistor or capacitor of AM IF defective • Replace the defective part(s). 3) Bar-Antenna coil defective • Repair or replace it. |
| 21) No FM MPX Separation | <ol style="list-style-type: none"> 1) Improper adjustment • Readjust VR 202 and VR 203. 2) IC 202 of MPX board defective • Replace the IC. 3) VR 202, 203 (Trimmer resistor) defective • Replace the Trimmer resistor. 4) Defective Transistor TR 204, 205, 206 or 207 • Replace the defective Transistor. |
| 22) No STEREO light or FM Stereo does not work. | <ol style="list-style-type: none"> 1) Broken STEREO indicator lamp • Replace the lamp. 2) Defective IC 202 of MPX board • Change the defective IC. 3) Defective Transistor TR 204, 205, 206 and 207 • Replace the defective Transistor(s). 4) VR 202, 203 defective • Replace the defective Trimmer resistor(s). |
| 23) AM Wide Band has no effect (High Frequency, higher than 3 kHz will be increased when signal input is more than about 2 mV/m but this effect does not work). | <ol style="list-style-type: none"> 1) Defective Transistor TR 214, 215 or 216 • Replace the defective Transistor(s). 2) Defective capacitor C 282-287 • Replace the defective capacitor(S). 3) Defective resistor R 294-297 • Replace the defective resistor(s). 4) Defective Diode D 205 or 206 • Replace the defective Diode(s). |
| 24) "LOUDNESS" has no effect. | <ol style="list-style-type: none"> 1) Defective "LOUDNESS" switch • Replace the switch. 2) Defective C 449, 450, R 475-478, R 1114 or 1115 • Replace the defective part(s). |

| SYMPTOM | CAUSE/REMEDY |
|--|---|
| 25) "Stereo-MONO" not effective | 1) Defective Stereo-MONO "MODE" switch • Repair or replace the switch. |
| 26) "MUTING" not effective | 1) Defective MUTE switch • Repair or replace the switch. 2) Defective Transistor TR 203 or TR 1001-1004 • Replace the defective Transistor(s). 3) Defective Trimmer resistor VR 201 • Replace the Trimmer resistor 4) Defective the part(s) of MUTING board • Replace the part(s). |
| 27) "HI MPX FILTER" not effective | 1) Defective HI MPX FILTER switch • Repair or replace the switch. 2) Defective C 247 or R 253 • Replace the defective part(s). |
| 28) "-20 dB ATTENUATOR" not effective | 1) Defective -20 dB ATTENUATOR switch • Repair or replace the switch. 2) Defective R 1116 or R 1117 • Replace the resistor(s). |
| 29) "TAPE DUBBING 1-2" does not operate. | 1) Defective TAPE DUBBING switch • Replace it. |
| 30) "TAPE DUBBING 2-1" does not operate | 1) Defective TAPE DUBBING switch • Replace it. |
| 31) "TAPE MONITOR 1" does not operate. | 1) Defective TAPE MONITOR switch • Replace it. |
| 32) "TAPE MONITOR 2" does not operate | 1) Defective TAPE MONITOR switch • Replace it. |
| 33) "BASS" has not effect | 1) VR 403, 404 (100 K ohm control) defective • Replace it 2) Defective R 445-448, 451-456 or C 425-428 of TONE CONTROL board • Replace the defective part(s) |
| 34) "TREBLE" has no effect | 1) Faulty VR 401 or VR 402 (100 K ohm control) • Replace it. 2) Defective R 441-444, 450, 451 or C 423, 424 of TONE CONTROL board • Replace the defective part(s). |
| 35) WATTs Meter does not work. | 1) Defective WATT Meter L. or/and R • Repair or replace the Meter. 2) Defective Diode, capacitor or resistor of Meter circuit • Replace the defective part(s). 3) Defective Trimmer resistor VR 601, 602, VR 604 or 605 • Replace the defective Trimmer resistor. |

| SYMPTOM | CAUSE/REMEDY |
|--------------------------------------|--|
| 36) PROTECTOR circuit does not work. | 1) Defective SCR D 604 • Replace the defective SCR. 2) Defective resistor or capacitor of PROTECTOR circuit • Replace the defective part(s). 3) Defective Diode D 601, 602, or 603 • Replace the defective Diode(s). 4) Defective Transistor TR 601-605 • Replace the defective Transistor(s). 5) Defective Relay L 601 • Replace it. |
| 37) "TUNING" Meter not functioning | 1) Defective TUNING Meter • Replace it. 2) In case of FM reception, R 226, 228 or C 213 defective • Replace the defective part(s). 3) In case of AM reception, VR 204, 206, D 203, 204 C 278-281, or R 293, 298 defective • Replace the defective part(s). |

FRONT END ASSEMBLY



ELECTRICAL PARTS LIST

| REF. NO. | DESCRIPTION | RS PART NO. | MFD. PART NO. |
|-------------------|-------------------------------|-------------|---------------|
| CAPACITORS | | | |
| C 101 | Mylar 0.1 μ F 50WV | | |
| C 102 | Ceramic 10 pF 50WV | | |
| C 103 | Ceramic 5 pF 50WV | | |
| C 201 | Ceramic 0.01 μ F 25WV | | |
| C 202 | Ceramic 0.04 μ F 25WV | | |
| C 203 | Ceramic 0.02 μ F 25WV | | |
| C 204 | Ceramic 0.01 μ F 25WV | | |
| C 205 | Ceramic 0.01 μ F 25WV | | |
| C 206 | Ceramic 0.02 μ F 25WV | | |
| C 207 | Ceramic 0.01 μ F 25WV | | |
| C 208 | Ceramic 0.04 μ F 25WV | | |
| C 209 | Ceramic 0.04 μ F 25WV | | |
| C 210 | Ceramic 0.04 μ F 25WV | | |
| C 211 | Ceramic 0.04 μ F 25WV | | |
| C 212 | Ceramic 33 pF 50WV | | |
| C 213 | Electrolytic 0.47 μ F/50V | | |
| C 214 | Electrolytic 10 μ F/16V | | |
| C 215 | Ceramic 0.02 μ F 25WV | | |
| C 216 | Ceramic 0.04 μ F 25WV | | |
| C 217 | Electrolytic 1 μ F/50V | | |
| C 218 | Ceramic 0.04 μ F 25WV | | |
| C 219 | Ceramic 0.02 μ F 25WV | | |
| C 220 | Electrolytic 0.47 μ F/50V | | |
| C 221 | Ceramic 0.04 μ F 25WV | | |
| C 222 | Electrolytic 100 μ F/16V | | |
| C 223 | Ceramic 0.04 μ F 25WV | | |
| C 224 | Ceramic 0.04 μ F 25WV | | |
| C 225 | Mylar 0.027 μ F 50WV | | |
| C 226 | Mylar 0.027 μ F 50WV | | |
| C 227 | Electrolytic 100 μ F/16V | | |
| C 228 | Ceramic 0.04 μ F 25WV | | |
| C 229 | Mylar 0.1 μ F 50WV | | |
| C 230 | Aluminum 0.22 μ F/25V | | |
| C 231 | Aluminum 0.47 μ F/25V | | |
| C 232 | Electrolytic 1 μ F/50V | | |
| C 233 | Polystyrene 1500 pF 50WV | | |
| C 234 | Mylar 0.047 μ F 50WV | | |
| C 235 | Polystyrene 680 pF 50WV | | |
| C 236 | Aluminum 0.47 μ F/25V | | |
| C 237 | Aluminum 0.47 μ F/25V | | |
| C 238 | Mylar 0.0015 μ F 50WV | | |
| C 239 | Mylar 0.0015 μ F 50WV | | |
| C 240 | Aluminum 0.22 μ F/25V | | |
| C 241 | Aluminum 0.22 μ F/25V | | |
| C 242 | Ceramic 220 pF 50WV | | |
| C 243 | Ceramic 220 pF 50WV | | |

| REF. NO. | DESCRIPTION | RS PART NO. | MFD. PART NO. |
|----------|-------------------------------|-------------|---------------|
| C 244 | Aluminum 0.47 μ F/25V | | |
| C 245 | Aluminum 0.47 μ F/25V | | |
| C 246 | Electrolytic 220 μ F/16V | | |
| C 247 | Mylar 0.0047 μ F 50WV | | |
| C 248 | Ceramic 0.04 μ F 25WV | | |
| C 249 | Ceramic 0.04 μ F 25WV | | |
| C 250 | Ceramic 0.02 μ F 25WV | | |
| C 251 | Ceramic 0.02 μ F 25WV | | |
| C 252 | Ceramic 0.04 μ F 25WV | | |
| C 253 | Ceramic 22 pF 50WV | | |
| C 254 | Polystyrene 440 pF 50WV | | |
| C 255 | Mylar 0.022 μ F 50WV | | |
| C 256 | Ceramic 0.04 μ F 25WV | | |
| C 257 | Mylar 0.022 μ F 50WV | | |
| C 258 | Ceramic 0.04 μ F 25WV | | |
| C 259 | Ceramic 0.04 μ F 25WV | | |
| C 260 | Ceramic 0.01 μ F 25WV | | |
| C 261 | Ceramic 0.02 μ F 25WV | | |
| C 262 | Ceramic 0.04 μ F 25WV | | |
| C 263 | Ceramic 0.01 μ F 25WV | | |
| C 264 | Ceramic 0.02 μ F 25WV | | |
| C 265 | Ceramic 0.04 μ F 25WV | | |
| C 266 | Mylar 0.0022 μ F 50WV | | |
| C 267 | Electrolytic 4.7 μ F/16V | | |
| C 268 | Ceramic 0.04 μ F 25WV | | |
| C 269 | Mylar 0.0047 μ F 50WV | | |
| C 270 | Electrolytic 4.7 μ F/25V | | |
| C 271 | Electrolytic 0.47 μ F/50V | | |
| C 272 | Not used | | |
| C 273 | Electrolytic 100 μ F/16V | | |
| C 274 | Ceramic 0.04 μ F 25WV | | |
| C 275 | Electrolytic 100 μ F/16V | | |
| C 276 | Electrolytic 0.47 μ F/50V | | |
| C 277 | Not used | | |
| C 278 | Ceramic 220 pF 50WV | | |
| C 279 | Ceramic 0.02 μ F 25WV | | |
| C 280 | Electrolytic 100 μ F/10V | | |
| C 281 | Ceramic 0.02 μ F 25WV | | |
| C 282 | Ceramic 33 pF 50WV | | |
| C 283 | Ceramic 0.04 μ F 25WV | | |
| C 284 | Electrolytic 10 μ F/16V | | |
| C 285 | Electrolytic 10 μ F/16V | | |
| C 286 | Electrolytic 10 μ F/16V | | |
| C 287 | Mylar 0.027 μ F 50WV | | |
| C 288 | Mylar 0.0018 μ F 50WV | | |
| C 289 | Electrolytic 1 μ F/16V | | |
| C 290 | Electrolytic 22 μ F/16V | | |
| C 301 | Tantalum 2.2 μ F/25V | | |

| REF. NO. | DESCRIPTION | RS PART NO. | MFD. PART NO. |
|----------|------------------------------|-------------|---------------|
| C 302 | Tantalum 2.2 μ F/25V | | |
| C 303 | Ceramic 100 pF 50WV | | |
| C 304 | Ceramic 100 pF 50WV | | |
| C 305 | Ceramic 47 pF 50WV | | |
| C 306 | Ceramic 47 pF 50WV | | |
| C 307 | Electrolytic 100 μ F/25V | | |
| C 308 | Electrolytic 100 μ F/25V | | |
| C 309 | Mylar 0.0018 μ F 50WV | | |
| C 310 | Mylar 0.0018 μ F 50WV | | |
| C 311 | Mylar 0.0068 μ F 50WV | | |
| C 312 | Mylar 0.0068 μ F 50WV | | |
| C 313 | Electrolytic 22 μ F/16V | | |
| C 314 | Electrolytic 22 μ F/16V | | |
| C 315 | Tantalum 0.68 μ F/25V | | |
| C 316 | Tantalum 0.68 μ F/25V | | |
| C 317 | Electrolytic 100 μ F/35V | | |
| C 318 | Ceramic 0.04 μ F 50WV | | |
| C 319 | Ceramic 0.04 μ F 50WV | | |
| C 401 | Tantalum 4.7 μ F/25V | | |
| C 402 | Tantalum 4.7 μ F/25V | | |
| C 403 | Electrolytic 100 μ F/10V | | |
| C 404 | Electrolytic 100 μ F/10V | | |
| C 405 | Ceramic 10 pF 50WV | | |
| C 406 | Ceramic 10 pF 50WV | | |
| C 407 | Ceramic 22 pF 50WV | | |
| C 408 | Ceramic 22 pF 50WV | | |
| C 409 | Electrolytic 100 μ F/16V | | |
| C 410 | Electrolytic 100 μ F/16V | | |
| C 411 | Electrolytic 2.2 μ F/50V | | |
| C 412 | Electrolytic 2.2 μ F/50V | | |
| C 413 | Electrolytic 100 μ F/10V | | |
| C 414 | Electrolytic 100 μ F/10V | | |
| C 415 | Ceramic 10 pF 50WV | | |
| C 416 | Ceramic 10 pF 50WV | | |
| C 417 | Ceramic 22 pF 50WV | | |
| C 418 | Ceramic 22 pF 50WV | | |
| C 419 | Electrolytic 100 μ F/16V | | |
| C 420 | Electrolytic 100 μ F/16V | | |
| C 421 | Tantalum 2.2 μ F/25V | | |
| C 422 | Tantalum 2.2 μ F/25V | | |
| C 423 | Mylar 0.001 μ F 50WV | | |
| C 424 | Mylar 0.001 μ F 50WV | | |
| C 425 | Mylar 0.039 μ F 50WV | | |
| C 426 | Mylar 0.039 μ F 50WV | | |
| C 427 | Mylar 0.039 μ F 50WV | | |
| C 428 | Mylar 0.039 μ F 50WV | | |
| C 429 | Electrolytic 2.2 μ F/50V | | |

| REF. NO. | DESCRIPTION | RS PART NO. | MFD. PART NO. |
|----------|------------------------------|-------------|---------------|
| C 430 | Electrolytic 2.2 μ F/50V | | |
| C 431 | Aluminum 0.47 μ F/25V | | |
| C 432 | Aluminum 0.47 μ F/25V | | |
| C 433 | Ceramic 10 pF 50WV | | |
| C 434 | Ceramic 10 pF 50WV | | |
| C 435 | Tantalum 4.7 μ F/25V | | |
| C 436 | Tantalum 4.7 μ F/25V | | |
| C 437 | Electrolytic 100 μ F/16V | | |
| C 438 | Electrolytic 100 μ F/16V | | |
| C 439 | Aluminum 0.22 μ F/25V | | |
| C 440 | Aluminum 0.22 μ F/25V | | |
| C 441 | Ceramic 10 pF 50WV | | |
| C 442 | Ceramic 10 pF 50WV | | |
| C 442 | Ceramic 2.2 μ F/25V | | |
| C 443 | Tantalum 2.2 μ F/25V | | |
| C 444 | Tantalum 2.2 μ F/25V | | |
| C 445 | Electrolytic 330 μ F/16V | | |
| C 446 | Electrolytic 330 μ F/16V | | |
| C 447 | Ceramic 0.04 μ F 50WV | | |
| C 448 | Ceramic 0.04 μ F 50WV | | |
| C 449 | Mylar 0.018 μ F 50WV | | |
| C 450 | Mylar 0.018 μ F 50WV | | |
| C 501 | Ceramic 200 pF 50WV | | |
| C 502 | Ceramic 200 pF 50WV | | |
| C 503 | Tantalum 4.7 μ F/25V | | |
| C 504 | Tantalum 4.7 μ F/25V | | |
| C 505 | Electrolytic 100 μ F/16V | | |
| C 506 | Electrolytic 100 μ F/16V | | |
| C 507 | Electrolytic 100 μ F/63V | | |
| C 508 | Electrolytic 100 μ F/63V | | |
| C 509 | Electrolytic 100 μ F/63V | | |
| C 510 | Electrolytic 100 μ F/63V | | |
| C 511 | Electrolytic 100 μ F/16V | | |
| C 512 | Electrolytic 100 μ F/16V | | |
| C 513 | Ceramic 30 pF 50WV | | |
| C 514 | Ceramic 30 pF 50WV | | |
| C 515 | Not used | | |
| C 516 | Not used | | |
| C 517 | Mylar 0.0022 μ F 50WV | | |
| C 518 | Mylar 0.0022 μ F 50WV | | |
| C 519 | Mylar 0.0022 μ F 50WV | | |
| C 520 | Mylar 0.0022 μ F 50WV | | |
| C 521 | Mylar 0.082 μ F 50WV | | |
| C 521 | Mylar 0.082 μ F 50WV | | |
| C 522 | Mylar 0.082 μ F 50WV | | |
| C 522 | Mylar 0.082 μ F 50WV | | |
| C 523 | Ceramic 0.01 μ F 500WV | | |
| C 523 | Ceramic 0.01 μ F 500WV | | |
| C 524 | Ceramic 0.01 μ F 500WV | | |
| C 525 | Ceramic 0.01 μ F 500WV | | |
| C 526 | Ceramic 0.01 μ F 500WV | | |
| C 527 | Mylar 0.1 μ F 100WV | | |

| REF. NO. | DESCRIPTION | RS PART NO. | MFD. PART NO. |
|----------|-------------------------------|-------------|---------------|
| C 528 | Mylar 0.1 μ F 100WV | | |
| C 529 | Electrolytic 0.47 μ F/50V | | |
| C 530 | Electrolytic 0.47 μ F/50V | | |
| *C 531 | Electrolytic 470 μ F/16V | | |
| *C 532 | Electrolytic 470 μ F/16V | | |
| C 533 | Ceramic 500 pF 50WV | | |
| C 534 | Ceramic 500 pF 50WV | | |
| C 535 | Ceramic 500 pF 50WV | | |
| C 536 | Ceramic 500 pF 50WV | | |
| C 537 | Not used | | |
| C 538 | Not used | | |
| C 539 | Mylar 0.1 μ F 100WV | | |
| C 540 | Mylar 0.1 μ F 100WV | | |
| C 541 | Not used | | |
| C 542 | Not used | | |
| C 543 | Electrolytic 100 μ F/63V | | |
| C 544 | Electrolytic 100 μ F/63V | | |
| C 601 | Electrolytic 22 μ F/63V | | |
| C 602 | Electrolytic 220 μ F/16V | | |
| C 603 | Electrolytic 220 μ F/16V | | |
| C 604 | Electrolytic 220 μ F/16V | | |
| *C 605 | Electrolytic 330 μ F/16V | | |
| C 606 | Ceramic 0.04 μ F 50WV | | |
| C 607 | Ceramic 0.04 μ F 100WV | | |
| C 608 | Ceramic 0.04 μ F 100WV | | |
| C 609 | Ceramic 0.04 μ F 100WV | | |
| C 610 | Ceramic 0.04 μ F 100WV | | |
| C 611 | Electrolytic 47 μ F/50V | | |
| C 612 | Electrolytic 47 μ F/50V | | |
| C 701 | Ceramic 0.01 μ F 500WV | | |
| C 702 | Ceramic 0.01 μ F 500WV | | |
| C 703 | Ceramic 0.01 μ F 500WV | | |
| C 704 | Ceramic 0.01 μ F 500WV | | |
| C 705 | Ceramic 0.04 μ F 50WV | | |
| C 706 | Ceramic 0.04 μ F 50WV | | |
| C 707 | Electrolytic 220 μ F/50V | | |
| C 708 | Electrolytic 220 μ F/50V | | |
| C 709 | Ceramic 100 pF 50WV | | |
| C 710 | Ceramic 100 pF 50WV | | |
| C 711 | Electrolytic 100 μ F/35V | | |
| C 712 | Electrolytic 100 μ F/35V | | |
| C 713 | Electrolytic 100 μ F/35V | | |
| C 714 | Electrolytic 100 μ F/35V | | |
| C 715 | Electrolytic 100 μ F/35V | | |
| C 716 | Electrolytic 100 μ F/35V | | |
| C 717 | Electrolytic 1000 μ F/25V | | |
| C 718 | Electrolytic 47 μ F/25V | | |
| C 719 | Electrolytic 330 μ F/25V | | |
| C 720 | Electrolytic 1000 μ F/16V | | |
| C 721 | Ceramic 0.04 μ F 50WV | | |

* See page 49 for Notice of change during production.

| REF. NO. | DESCRIPTION | RS PART NO. | MFD. PART NO. |
|-------------------------------|---|-------------------------------|----------------------------------|
| C 722 | Electrolytic 1000 μ F/16V | | |
| C 723 | Not used | | |
| C 724 | Ceramic 100 pF 50WV | | |
| C 1001 | Aluminum 0.1 μ F/16V | | |
| C 1002 | Electrolytic 100 μ F/16V | | |
| C 1101 | Ceramic 0.01 μ F 125WV | | |
| C 1102 | Ceramic 0.01 μ F 500WV | | |
| C 1103 | Ceramic 0.01 μ F 500WV | | |
| C 1104 | Ceramic 0.01 μ F 500WV | | |
| C 1105 | Ceramic 0.01 μ F 500WV | | |
| C 1106 | Electrolytic 15000 μ F/63V (Block type) | | |
| C 1107 | Electrolytic 15000 μ F/63V (Block type) | | |
| C 1108 | Ceramic 0.04 μ F 250WV | | |
| C 1109 | Ceramic 0.04 μ F 250WV | | |
| C 1110 | Ceramic 0.04 μ F 250WV | | |
| C 1111 | Ceramic 0.04 μ F 250WV | | |
| C 1112 | Ceramic 0.04 μ F 250WV | | |
| C 1113 | Ceramic 0.04 μ F 250WV | | |
| C 1114 | Ceramic 1500 pF 50WV | | |
| C 1115 | Ceramic 0.02 μ F 50WV | | |
| COILS AND TRANSFORMERS | | | |
| L 101 | Choke Coil 0.32 μ H | C-0709 | P-360023 |
| L 201 | Micro Inductor 18 μ H | C-0708 | P-360021 |
| L 202 | Micro Inductor 2.2 μ H | CB-2298 | P-370009 |
| L 501 | Choke Coil 2 μ H | CB-2298 | P-370009 |
| L 502 | Choke Coil 2 μ H | R-8081 | P-290012 |
| L 601 | Power Relay MY-4A-02 US | R-8080 | P-290010 |
| L 1001 | Reed Relay LAB-2S-C 124V | | |
| LPF 201 | Balun Coil 75: 300 ohm AM Bar Antenna Coil 210 μ H Low Pass Filter Coil | CA-2942 CA-3464 CA-3469 | P-110012 P-110065 P-510007 |
| T 201 | FM IFT 3F-033 | CA-7606 | P-140033 |
| T 202 | AM RF Coil OR-052 | CA-4752 | P-340052 |
| T 203 | AM OSC Coil OC-063 | CA-4751 | P-120053 |
| T 204 | AM IFT (Ceramic Filter) OA-023 | C-0275 | P-130023 |
| T 205 | AM IFT OA-005 | CA-7112 | P-130005 |
| T 206 | AM IFT OA-022 Power Transformer | CA-7537 TA-0579 | P-130022 P-100384 |
| CERAMIC FILTERS | | | |
| CF 201 | FM Ceramic Filter SFE-10.7 MA-8 | CA-7536 | P-140030 |
| CF 202 | FM Ceramic Filter SFE-10.7 MA-8 | CA-7536 | P-140030 |
| CF 203 | FM Ceramic Filter SFE-10.7 MA-8 | CA-7536 | P-140030 |
| DIODES | | | |
| D 201 | Ge Diode 1N-60P or 1S-188 | | |
| D 202 | Ge Diode 1N-60P or 1S-188 | | |

| REF. NO. | DESCRIPTION | RS PART NO. | MFD. PART NO. |
|----------|--|-------------|---------------|
| D 203 | Ge Diode 1N-60P or 1S-188 | | |
| D 204 | Ge Diode 1N-60P or 1S-188 | | |
| D 205 | Ge Diode 1N-60P or 1S-188 | | |
| D 206 | Ge Diode 1N-60P or 1S-188 | | |
| D 501 | Zener Diode WZ-130 | | |
| D 502 | Zener Diode WZ-130 | | |
| D 503 | Varistor VD-1221 | | |
| D 504 | Varistor VD-1221 | | |
| D 505 | Varistor VD-1221 | | |
| D 506 | Varistor VD-1221 | | |
| D 507 | Si Diode WG-713 | | |
| D 508 | Si Diode WG-713 | | |
| D 509 | Si Diode WG-713 | | |
| D 510 | Si Diode WG-713 | | |
| D 511 | Si Diode WG-713 | | |
| D 512 | Si Diode WG-713 | | |
| D 513 | Si Diode WG-713 | | |
| D 514 | Si Diode WG-713 | | |
| D 515 | Ge Diode 1N-60 or 1S-188 | | |
| D 516 | Ge Diode 1N-60 or 1S-188 | | |
| D 517 | Ge Diode 1N-60 or 1S-188 | | |
| D 518 | Ge Diode 1N-60 or 1S-188 | | |
| D 519 | Si Diode WG-713 | | |
| D 520 | Si Diode WG-713 | | |
| D 521 | Si Diode WG-713 | | |
| D 522 | Si Diode WG-713 | | |
| D 601 | Si Diode SR-1K-2 or 10D-1 | | |
| D 602 | Si Diode SR-1K-2 or 10D-1 | | |
| D 603 | Si Diode WG-713 | | |
| D 604 | Si Controlled Rectifier (SCR) 2SF 657 or M 21C | | |
| D 605 | Si Diode SR-1K-2 or 10D-1 | | |
| D 606 | Si Diode SR-1K-2 or 10D-1 | | |
| D 607 | Si Diode SR-1K-2 or 10D-1 | | |
| D 608 | Si Diode SR-1K-2 or 10D-1 | | |
| D 609 | Si Diode SR-1K-2 or 10D-1 | | |
| D 610 | Si Diode SR-1K-2 or 10D-1 | | |
| D 611 | Si Diode SR-1K-2 or 10D-1 | | |
| D 612 | Si Diode SR-1K-2 or 10D-1 | | |
| *D 613 | Si Diode WG-713 | | |
| *D 614 | Si Diode WG-713 | | |
| *D 615 | Ge Diode 1N-60 or 1S-188 | | |
| *D 616 | Ge Diode 1N-60 or 1S-188 | | |
| D 701 | Si Diode SR-1K-2 or 10D-1 | | |
| D 702 | Si Diode SR-1K-2 or 10D-1 | | |
| D 703 | Si Diode SR-1K-2 or 10D-1 | | |
| D 704 | Si Diode SR-1K-2 or 10D-1 | | |
| D 705 | Si Diode SR-1K-2 or 10D-1 | | |
| D 706 | Si Diode SR-1K-2 or 10D-1 | | |
| D 707 | Zener Diode WX-137 | | |

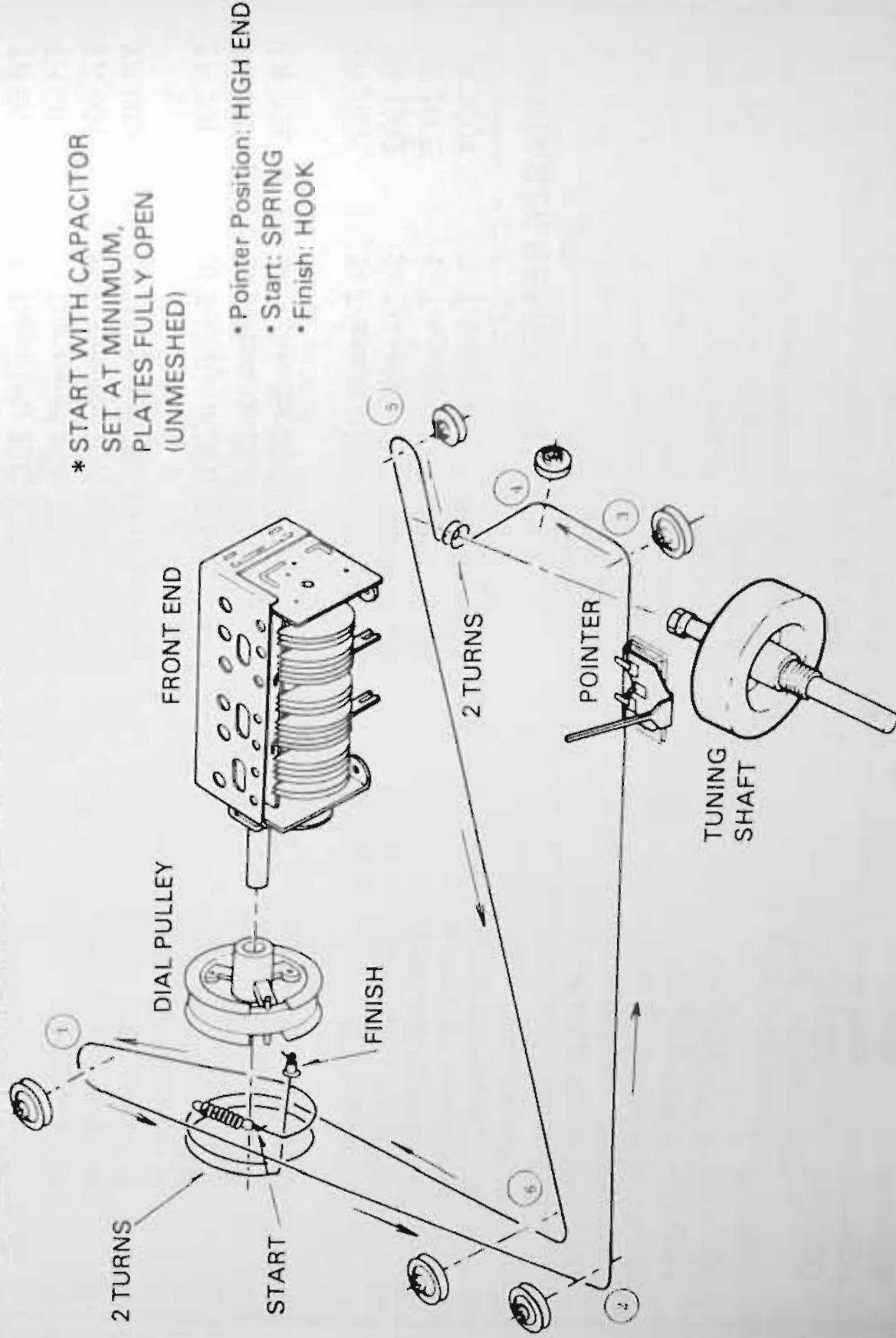
| REF. NO. | DESCRIPTION | RS PART NO. | MFD. PART NO. |
|--|--|----------------------------|----------------------------------|
| D 708 | Si Diode SR-1K-2 or 10D-1 | | |
| D 1101 | Bridge Type Rectifier S4B-01 | | |
| FUSES | | | |
| | Fuse Quick Acting 1A, 250V Fuse Quick Acting 2.5A, 250V Fuse Quick Acting 7A, 125V | HF-0069 | P-250013 P-250008 P-250101 |
| INTEGRATED CIRCUITS | | | |
| IC 201 | IC LA 1230 | | |
| IC 202 | IC LA 3350 | | |
| FRONT END | | | |
| | Front End Ass'y FL526U12-7603 | C-4582 | P-150020 |
| LAMPS | | | |
| PL 1 | Wedge Lamp 8V, 0.3A | L-0690 | P-240076 |
| PL 2 | Wedge Lamp 8V, 0.3A | L-0690 | P-240076 |
| PL 3 | Wedge Lamp 8V, 0.3A | L-0690 | P-240076 |
| PL 4 | Fuse Type Lamp 8V, 0.3A | | P-240091 |
| PL 5 | Wedge Lamp 8V, 0.3A | L-0690 | P-240076 |
| PL 6 | Lamp with Lead 6V, 60 mA | L-0717 | P-240090 |
| PL 7 | Lamp with Lead 6V, 60 mA | L-0717 | P-240090 |
| PL 8 | Lamp with Lead 6V, 60 mA | L-0717 | P-240090 |
| PL 9 | Lamp with Lead 6V, 60 mA | L-0717 | P-240090 |
| PL 10 | Lamp with Lead 6V, 60 mA | L-0717 | P-240090 |
| PL 11 | Lamp with Lead 6V, 60 mA | L-0717 | P-240090 |
| METERS | | | |
| | Tuning Meter $\pm 100 \mu A$, 1.2K ohm Wattage Meter (Right) $200 \mu A$, 1.2K ohm Wattage Meter (Left) $200 \mu A$, 1.2K ohm | M-0314 M-0312 M-0313 | P-230047 P-230048 P-230049 |
| PROTECTOR | | | |
| | Temperature Protector $95^{\circ}C \pm 5^{\circ}C$ | HB-5094 | P-290005 |
| RESISTORS UZ = Radial Type J = $\pm 5\%$ PZ = Axial Type K = $\pm 10\%$ | | | |
| R 101 | Carbon $\frac{1}{4}$ W PZ | | 2.7K ohm J |
| R 102 | Carbon $\frac{1}{4}$ W PZ | | 10K ohm J |
| R 201 | Carbon $\frac{1}{4}$ W UZ | | 100 ohm J |
| R 202 | Carbon $\frac{1}{4}$ W UZ | | 330 ohm J |
| R 203 | Carbon $\frac{1}{4}$ W UZ | | 10K ohm J |
| R 204 | Carbon $\frac{1}{4}$ W UZ | | 3.9K ohm J |
| R 205 | Carbon $\frac{1}{4}$ W UZ | | 1K ohm J |

| REF. NO. | DESCRIPTION | RS PART NO. | MFD. PART NO. |
|--------------------|---|----------------|------------------|
| SWITCHES | | | |
| Sa1-Sa10 | Lever Switch B | S-5038 | P-180209 |
| | Lever Switch A | S-5039 | P-180210 |
| | Rotary Switch (SELECTOR) | S-1226 | P-180213 |
| | Push Switch A (MPX FILTER/MUTE/MONO/LOUDNESS) | S-7282 | P-180211 |
| | Push Switch B (-20 dB/SPEAKERS/POWER) | S-7283 | P-180212 |
| TRANSISTORS | | | |
| TR 201 | Si Transistor 2SC 1675(L) or (K) | | |
| TR 202 | Si Transistor 2SC 1675(L) or (K) | | |
| TR 203 | Si Transistor 2SC 536(H) | | |
| TR 204 | Si Transistor 2SC 536(H) | | |
| TR 205 | Si Transistor 2SC 536(H) | | |
| TR 206 | Si Transistor 2SC 536(H) | | |
| TR 207 | Si Transistor 2SC 536(H) | | |
| TR 208 | Si Transistor 2SC 929(E) or 2SC 829(D) | | |
| TR 209 | Si Transistor 2SC 929(E) or 2SC 829(D) | | |
| TR 210 | Si Transistor 2SC 929(E) or 2SC 829(D) | | |
| TR 211 | Si Transistor 2SC 929(E) or 2SC 829(D) | | |
| TR 212 | Si Transistor 2SC 536(H) | | |
| TR 213 | Si Transistor 2SC 929(E) or 2SC 829(D) | | |
| TR 214 | Si Transistor 2SC 536(H) | | |
| TR 215 | Si Transistor 2SC 536(H) | | |
| TR 216 | Si Transistor 2SC 536(H) | | |
| TR 301 | Si Transistor 2SC 1222(2) (E) or (U) | | |
| TR 302 | Si Transistor 2SC 1222(2) (E) or (U) | | |
| TR 303 | Si Transistor 2SC 1222(2) (E) or (U) | | |
| TR 304 | Si Transistor 2SC 1222(2) (E) or (U) | | |
| TR 305 | Si Transistor 2SA 750 (E) | | |
| TR 306 | Si Transistor 2SA 750 (E) | | |
| TR 307 | Si Transistor 2SC 1222(2) (E) or (U) | | |
| TR 308 | Si Transistor 2SC 1222(2) (E) or (U) | | |
| TR 401 | Si Transistor 2SC 1222(2) (E) or (U) | | |
| TR 402 | Si Transistor 2SC 1222(2) (E) or (U) | | |
| TR 403 | Si Transistor 2SA 750 (E, F) | | |
| TR 404 | Si Transistor 2SA 750 (E, F) | | |
| TR 405 | Si Transistor 2SC 1222(2) (E) or (U) | | |
| TR 406 | Si Transistor 2SC 1222(2) (E) or (U) | | |
| TR 407 | Si Transistor 2SA 750 (E, F) | | |
| TR 408 | Si Transistor 2SA 750 (E, F) | | |
| TR 409 | Si Transistor 2SC 1222(2) (E) or (U) | | |
| TR 410 | Si Transistor 2SC 1222(2) (E) or (U) | | |
| TR 411 | Si Transistor 2SC 1222 (E) | | |
| TR 412 | Si Transistor 2SC 1222 (E) | | |
| TR 501 | Si Transistor 2SA 750(1) (E) | | |
| TR 502 | Si Transistor 2SA 750(1) (E) | | |
| TR 503 | Si Transistor 2SA 750(1) (E) | | |

| REF. NO. | DESCRIPTION | RS PART NO. | FMD. PART NO. |
|---------------------------|---|----------------|------------------|
| TR 504 | Si Transistor 2SA 750(1) (E) | | |
| TR 505 | Si Transistor 2SC 1953(R) or (S) | | |
| TR 506 | Si Transistor 2SC 1953(R) or (S) | | |
| TR 507 | Si Transistor 2SB 536(K) or (L) | | |
| TR 508 | Si Transistor 2SB 536(K) or (L) | | |
| TR 509 | Si Transistor 2SD 261(P) or (Q) | | |
| TR 510 | Si Transistor 2SD 261(P) or (Q) | | |
| TR 511 | Si Transistor 2SC 945(P) or (Q) | | |
| TR 512 | Si Transistor 2SC 945(P) or (Q) | | |
| TR 513 | Si Transistor 2SA 733(P) or (Q) | | |
| TR 514 | Si Transistor 2SA 733(P) or (Q) | | |
| TR 515 | Si Transistor 2SD 381(K) or (L) | | |
| TR 516 | Si Transistor 2SD 381(K) or (L) | | |
| TR 517 | Si Transistor 2SB 536(K) or (L) | | |
| TR 518 | Si Transistor 2SB 536(K) or (L) | | |
| TR 519 | Si Transistor 2SD 287(A) (R) or (A) (Q) | | |
| TR 520 | Si Transistor 2SD 287(A) (R) or (A) (Q) | | |
| TR 521 | Si Transistor 2SB 539(A) (R) or (A) (Q) | | |
| TR 522 | Si Transistor 2SB 539(A) (R) or (A) (Q) | | |
| TR 523 | Si Transistor 2SC 536(H) | | |
| TR 524 | Si Transistor 2SC 536(H) | | |
| TR 601 | Si Transistor 2SD 571(K) or (L) | | |
| TR 602 | Si Transistor 2SC 1399(P) or (Q) | | |
| TR 603 | Si Transistor 2SA 733(P) or (Q) | | |
| TR 604 | Si Transistor 2SC 945(P) or (Q) | | |
| TR 605 | Si Transistor 2SC 945(P) or (Q) | | |
| TR 701 | Si Transistor 2SD 325(E) | | |
| TR 702 | Si Transistor 2SD 325(E) | | |
| TR 703 | Si Transistor 2SB 511(E) | | |
| TR 1001 | Si Transistor 2SC 945(P) or (Q) | | |
| TR 1002 | Si Transistor 2SC 945(P) or (Q) | | |
| TR 1003 | Si Transistor 2SC 945(P) or (Q) | | |
| TR 1004 | Si Transistor 2SC 945(P) or (Q) | | |
| VARIABLE RESISTORS | | | |
| VR 201 | Trimmer Resistor 50K ohm B | P-6372 | P-170037 |
| VR 202 | Trimmer Resistor 1K ohm B | P-6370 | P-170036 |
| VR 203 | Trimmer Resistor 5K ohm B | P-6371 | P-170070 |
| VR 204 | Trimmer Resistor 50K ohm B | P-6372 | P-170037 |
| VR 205 | Trimmer Resistor 100K ohm B | P-6373 | P-170035 |
| VR 206 | Trimmer Resistor 100K ohm B | | P-170237 |
| VR 401/402 | Potentiometer (TREBLE) 100K B x 2 | P-2069 | P-170227 |
| VR 403/404 | Potentiometer (BASS) 100K B x 2 | P-2069 | P-170227 |
| VR 405/406 | Potentiometer (BALANCE) 250K 1Z x 2 | P-3068 | P-170228 |
| VR 501 | Trimmer Resistor 5K ohm B | P-6371 | P-170070 |
| VR 502 | Trimmer Resistor 5K ohm B | P-6371 | P-170070 |

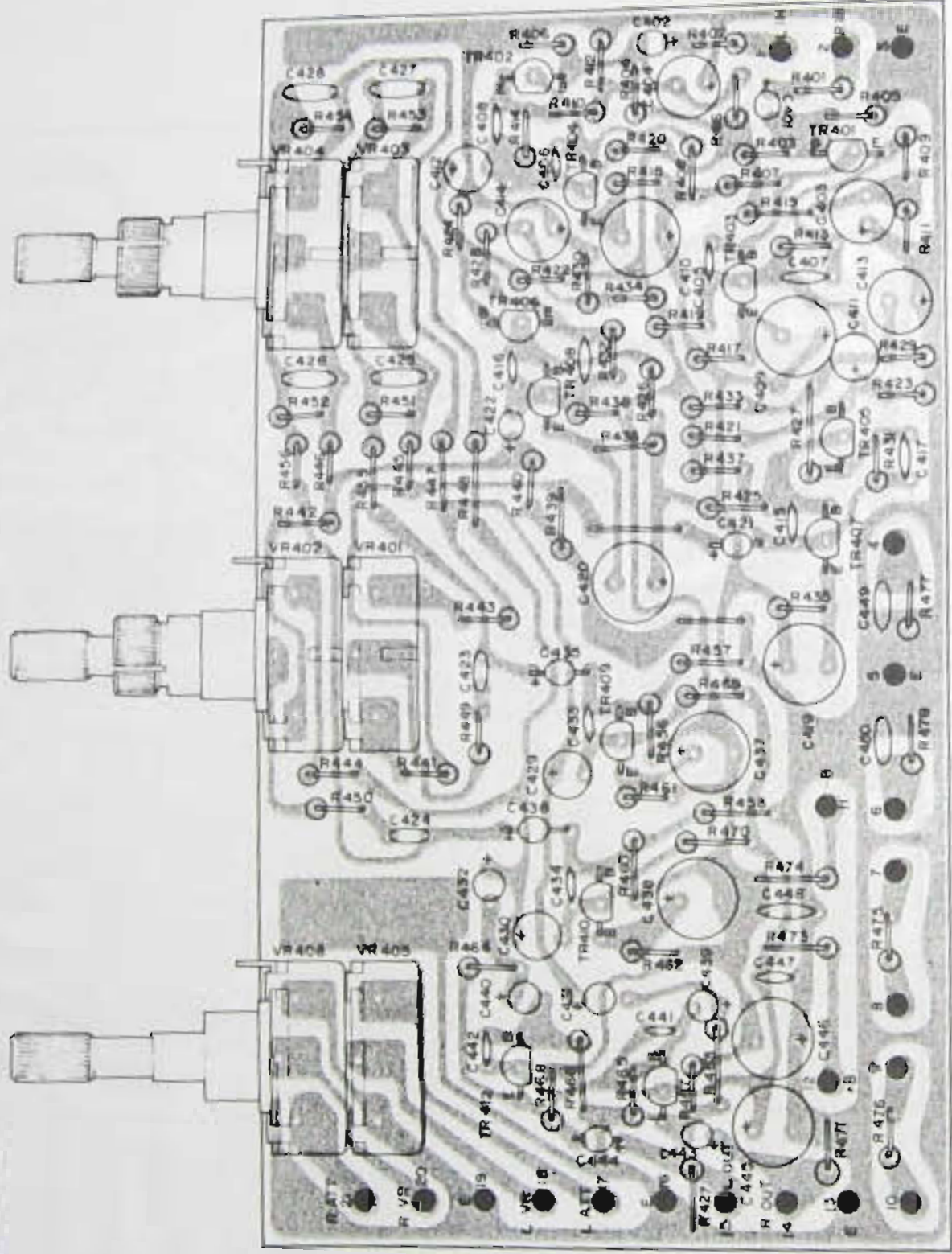
| REF. NO. | DESCRIPTION | RS PART NO. | MFD. PART NO. |
|-------------------|------------------------------------|-------------|-------------------------|
| VR 503 | Trimmer Resistor 5K ohm B | P-6371 | P-170070 |
| VR 504 | Trimmer Resistor 5K ohm B | P-6371 | P-170070 |
| * VR 601 | Trimmer Resistor 1K ohm B | P-6370 | P-170036 |
| * VR 602 | Trimmer Resistor 1K ohm B | P-6370 | P-170036 |
| VR 603 | Trimmer Resistor 2K ohm B | | P-170238 |
| VR 1101/2 /3/4 | Potentiometer (VOLUME) 200K 3B x 4 | P-1698 | or P-170199 P-170229 |

DIAL STRINGING DIAGRAM



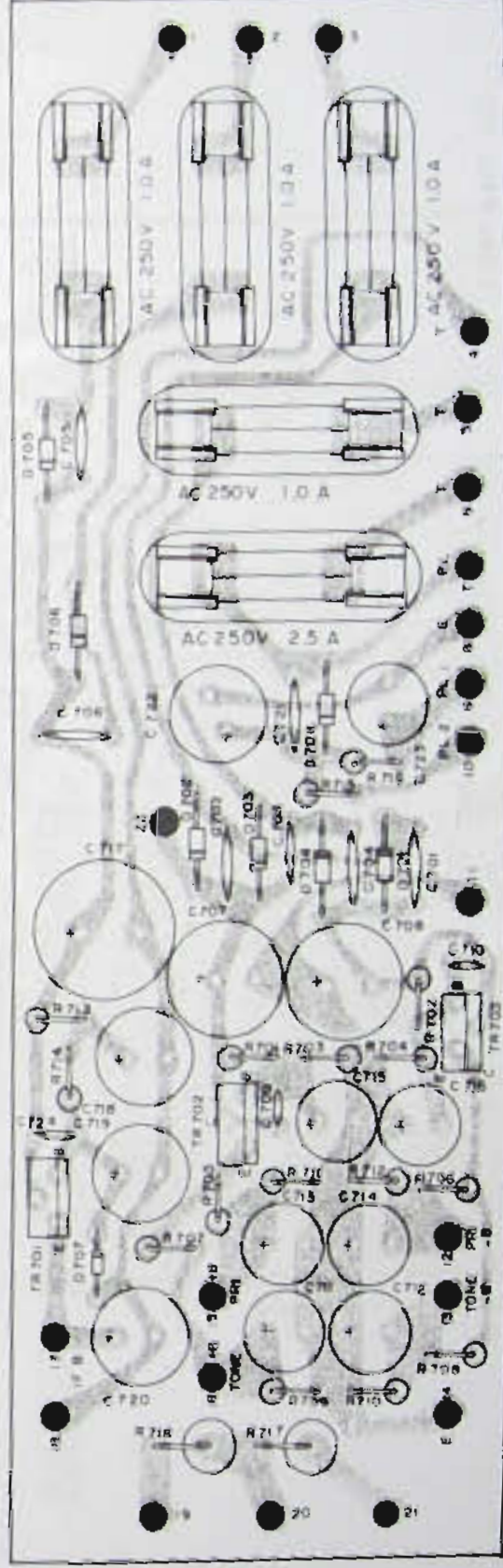
TONE AMP P.C.B.

TOP VIEW



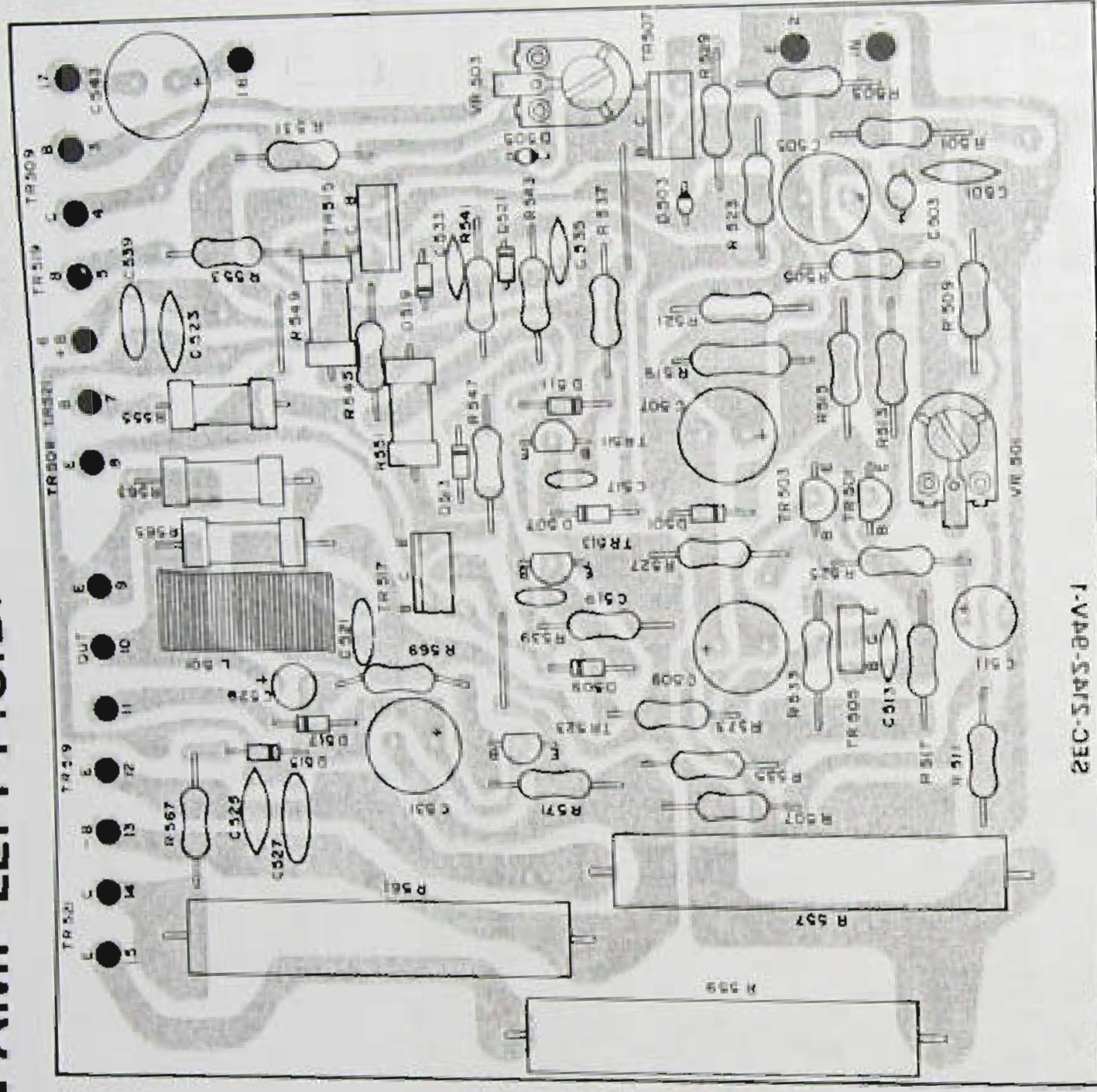
POWER SUPPLY P.C.B.

TOP VIEW



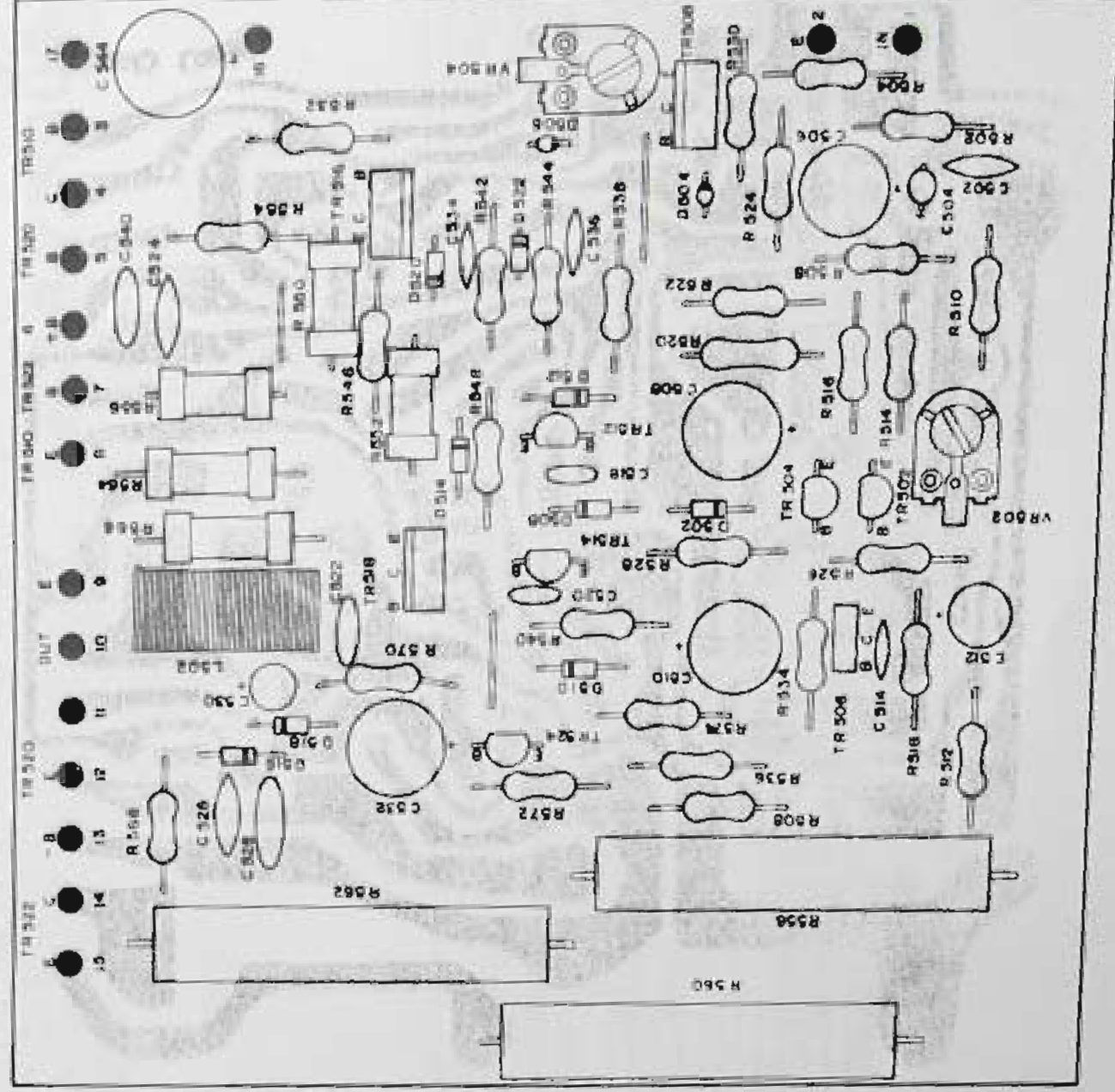
MAIN AMP LEFT P.C.B.

TOP VIEW



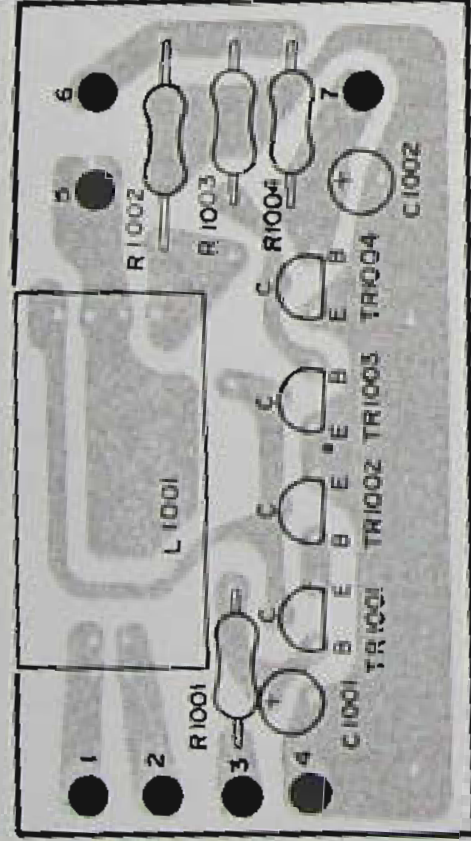
MAIN AMP RIGHT P.C.B.

TOP VIEW

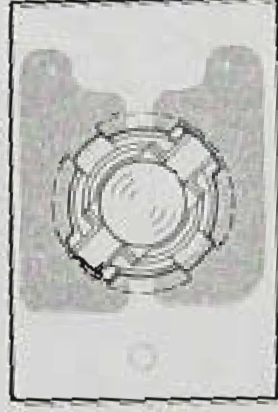


FM MUTING & SWITCHING P.C.B.

TOP VIEW

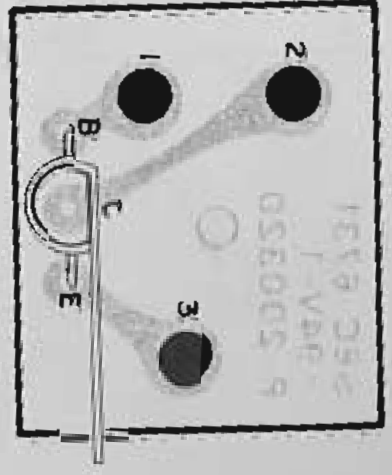


LAMP (A) & LAMP (B) P.C.B. (TOP VIEWS)



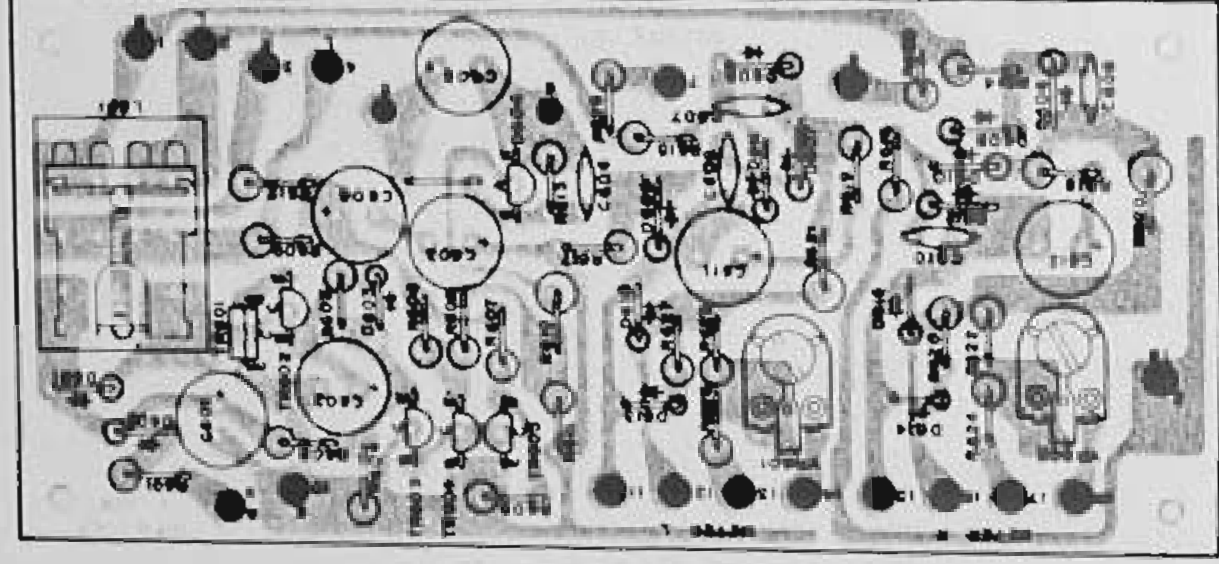
MAIN SUB AMP P.C.B.

TOP VIEW



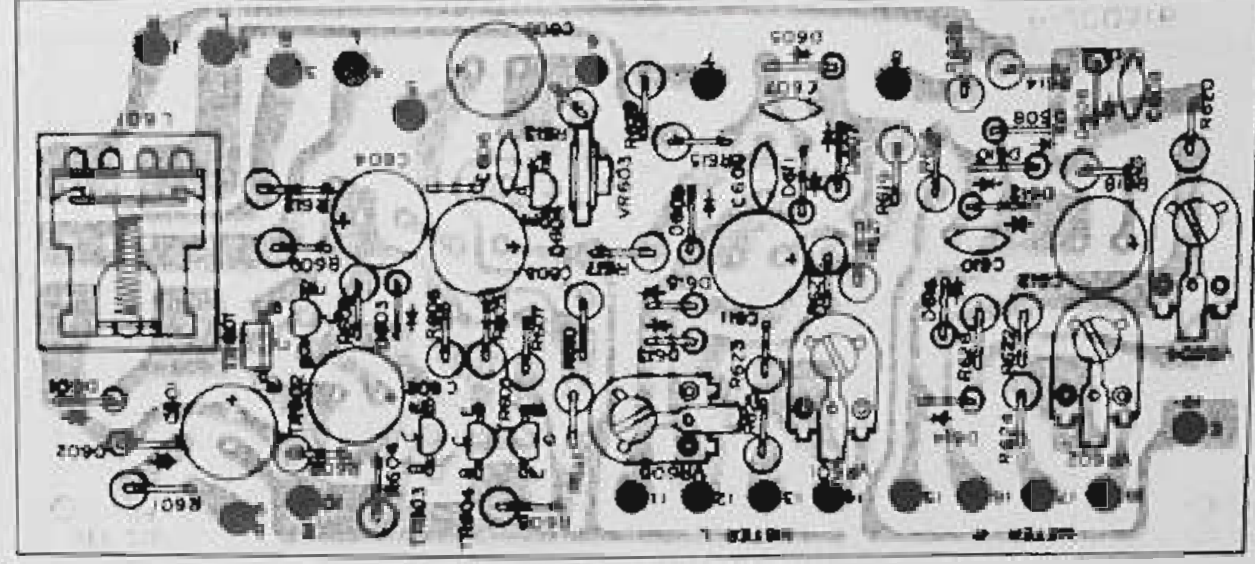
PROTECTOR & METER P.C.B.

TOP VIEW



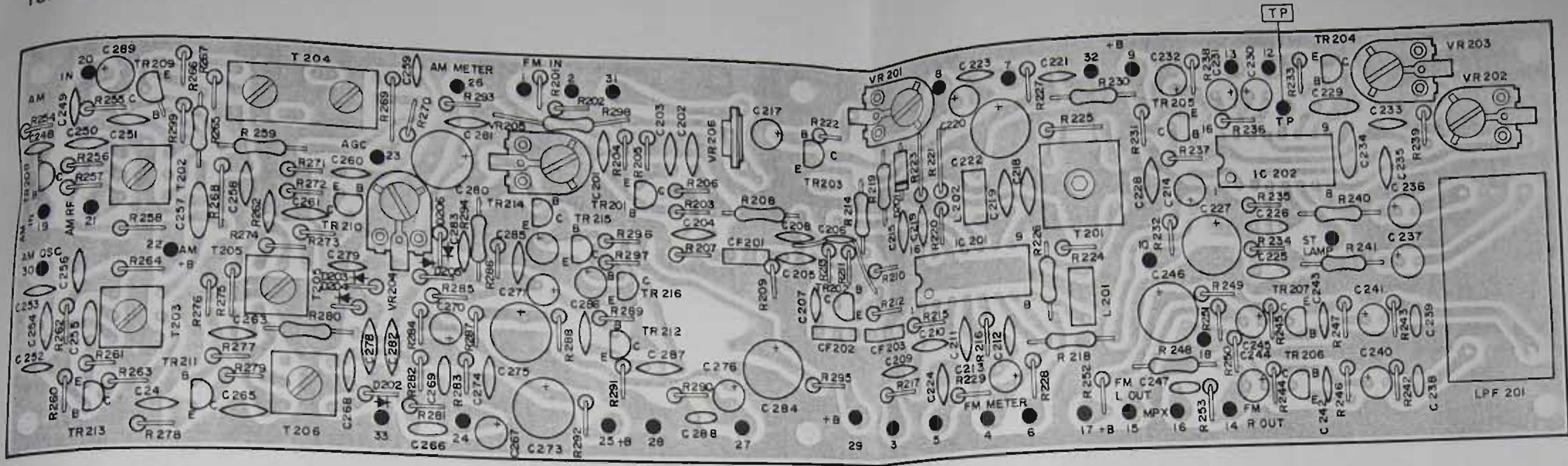
TOP VIEW

After Serial No. 18757



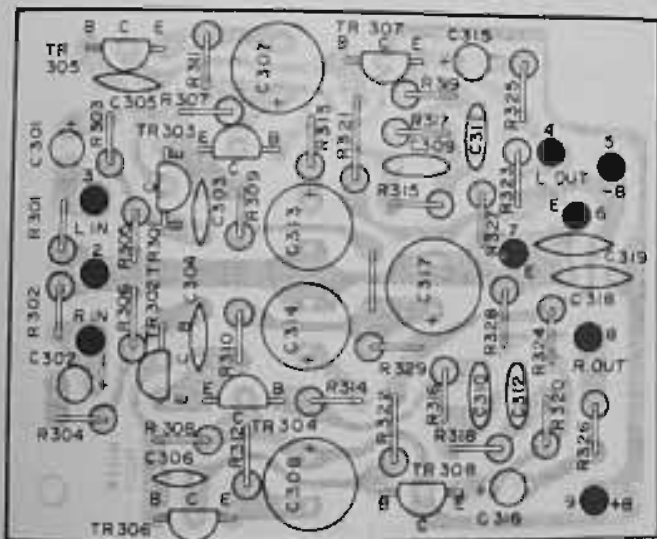
AM/FM IF & MPX P.C.B.

TOP VIEW



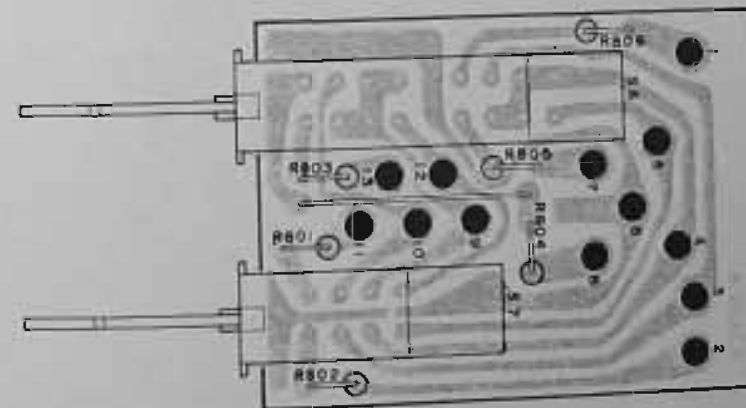
PRE AMP P.C.B.

TOP VIEW

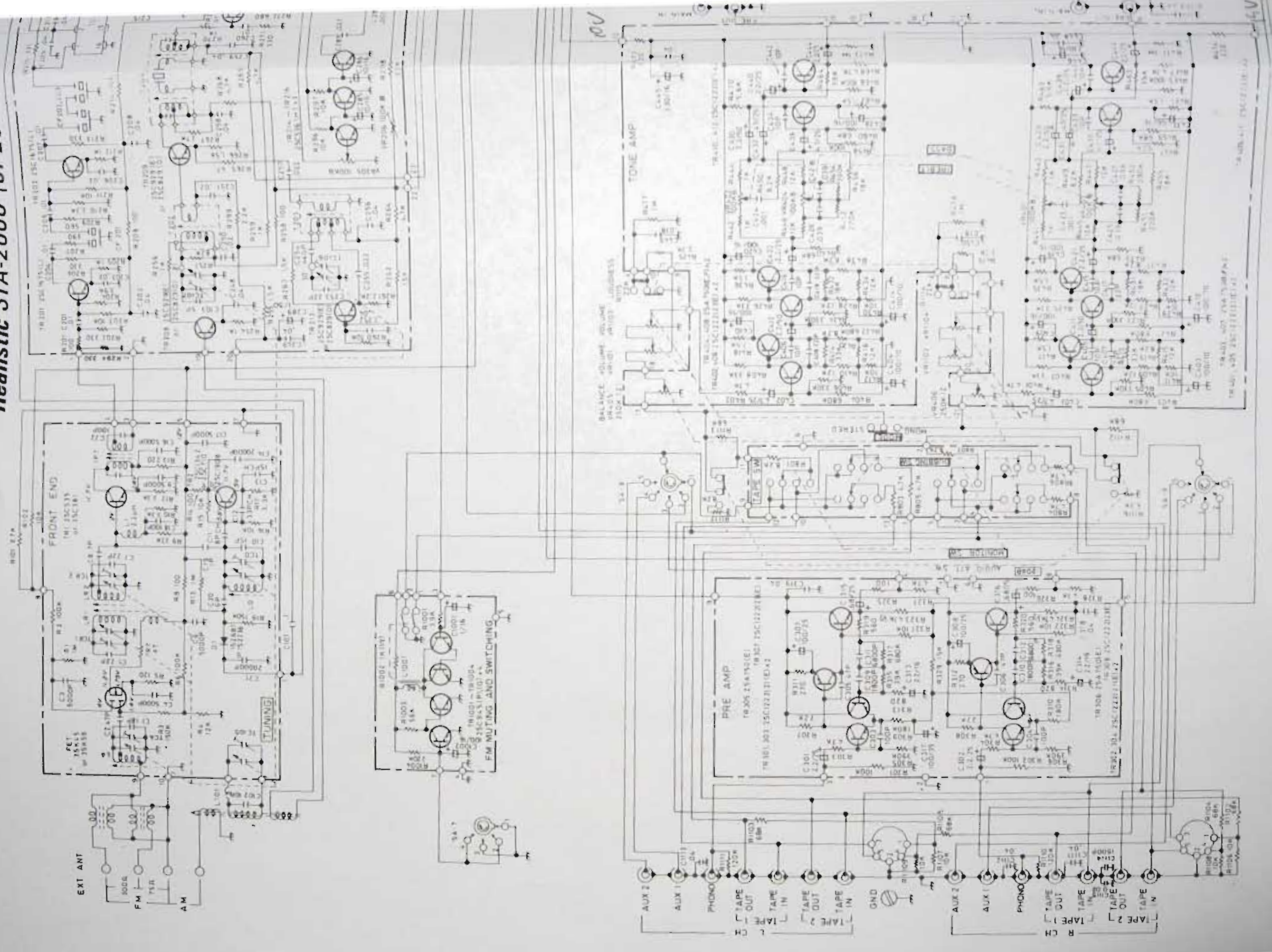


TAPE SWITCH P.C.B.

TOP VIEW



Realistic STA-2000 (31-2075)



7075)

