

# **SUPERSCOPE®**

BY **marantz®**

STEREO RECEIVER

**Model R-1232**

## **SERVICE DATA**

— DEC. 1977 —

### **SUPERSCOPE INC.**

20525, NORDHOFF STREET,  
CHATSWORTH, CALIFORNIA 91311 • U.S.A.



### **TECHNICAL SPECIFICATIONS**

#### **AUDIO SECTION**

Rated Power Output (continuous average per channel with all channels driven) ..... 10W  
Power Band ..... 40Hz to 20kHz  
Total Harmonic Distortion ..... 1.0%  
Load Impedance ..... 8 $\Omega$   
Input Sensitivity at 1,000Hz  
Phono ..... 2.8mV for 10W output with 8 $\Omega$  load  
High Level ..... 130mV for 10W output with 8 $\Omega$  load  
Frequency Response .... 15Hz to 50kHz, -3dB  
Intermodulation Distortion..... Less than 0.3% at rated power output with 8 $\Omega$  load.  
Damping Factor ... Greater than 30 with 8 $\Omega$  load  
Dynamic Range  
(PHONO input to TAPE output) .... 64dB.  
Equivalent Input Noise (from PHONO)... Less than 0.8 $\mu$ V for rated power amp output with 8 $\Omega$  load  
High Level Hum and Noise ..... 0.8mV  
Channel Separation at 1,000Hz ..... 63dB  
Input Impedance at 1,000Hz  
Phono ..... 47k $\Omega$   
High Level ..... 100k $\Omega$

#### **FM SECTION**

Tuning Frequency Range ..... 88 to 108MHz  
Usable Sensitivity ..... 2.2 $\mu$ V  
Selectivity ..... 56dB  
Capture Ratio ..... 2.3dB  
Image Rejection Ratio at 106MHz ..... 48dB  
Signal-to-Noise Ratio  
Monaural Mode ..... 78dB  
Stereo Mode ..... 60dB

#### **Total Harmonic Distortion**

Monaural Mode ..... 0.2%  
Stereo Mode ..... 0.5%  
Frequency Response (ref. 50  $\mu$ sec de-emphases) ..... 30Hz to 15kHz,  $\pm$ 1.0dB  
Stereo Separation at 1kHz ..... 46dB  
Antenna Impedance ..... 300 $\Omega$ , balanced  
AM Suppression ..... 50dB

#### **AM SECTION**

Tuning Frequency Range ..... 525 to 1605kHz  
Usable Sensitivity ..... 5 $\mu$ V  
Selectivity ..... 36dB  
Image Rejection Ratio at 1,400Hz ..... 42dB  
Signal-to-Noise Ratio ..... 52dB  
Frequency Response ..... 15Hz to 2.2kHz, -3dB  
Total Harmonic Distortion ..... 3.0%

#### **GENERAL**

##### **Power Requirements**

European version ..... 110, 120, 220 or 240V, AC50Hz

##### **Power Consumption**

Idling Power ..... 18W  
Rated Power ..... 65W  
Maximum Power ..... 75W

##### **Cabinet Dimensions**

Height ..... 4-13/16" (121mm)  
Width ..... 16 8/16" (420mm)  
Depth ..... 16 1/10" (280mm)  
Net Weight ..... 16.1 lbs. (7.3kg)

\* These specifications and exterior designs may be changed for improvement without notice.

## PREPARATION FOR ALIGNMENT PRACTICE

1. Set the output volume control to the minimum position.
2. A dummy resistor of  $47K\Omega$  must be connected between the output terminals before alignment.

### FM ALIGNMENT PROCEDURES

(Selector switch in the "FM" position)

| Step            | Signal Source Connection                                                                                          | Signal Frequency                              | Indicator Connection                            | Set Dial Pointer to:         | Adjustment                                         |
|-----------------|-------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-------------------------------------------------|------------------------------|----------------------------------------------------|
| FM IF ALIGNMENT |                                                                                                                   |                                               |                                                 |                              |                                                    |
| 1               | Sweep generator to point ④ through 5pF capacitor                                                                  | 10.7 MHz<br>Marker at 10.6, 10.7 and 10.8 MHz | Oscilloscope to point ⑤ through diode (1S24735) | Quiet point on band          | L105 for maximum and symmetric response            |
| 2               |                                                                                                                   |                                               | Oscilloscope to point ⑥ (J116)                  |                              | L106 for straight and symmetric "S" curve response |
| 3               | Repeat steps 1 and 2.                                                                                             |                                               |                                                 |                              |                                                    |
| FM RF ALIGNMENT |                                                                                                                   |                                               |                                                 |                              |                                                    |
| 1               | RF generator to FM antenna terminals through 300Ω, balanced matching network with RF level maintained below limit | 87 MHz                                        | VTVM to L or R channel tape output terminals    | 87 MHz (tuning gang closed)  | L103 for maximum output                            |
| 2               |                                                                                                                   | 109 MHz                                       |                                                 | 109 MHz (tuning gang opened) | CF-3 for maximum output                            |
| 3               |                                                                                                                   | 90 MHz                                        |                                                 | 90 MHz                       | L101 and L102 for maximum output                   |
| 4               |                                                                                                                   | 106 MHz                                       |                                                 | 106 MHz                      | CF-1 and CF-2 for maximum output                   |
| 5               | Repeat step 1 through 4.                                                                                          |                                               |                                                 |                              |                                                    |
| 6               | Check overall response curve and repeat above steps as necessary to obtain maximum sensitivity.                   |                                               |                                                 |                              |                                                    |
| 7               | No connection                                                                                                     | No signal                                     | DC VTVM 1-V range to point ⑥ (J116)             | 98 MHz                       | L106 secondary core (upper) for 0 voltage reading  |
| 8               | RF generator of 1mV output to FM antenna terminals through 300Ω, balanced matching network                        | 98 MHz                                        | Distortion meter to point ⑥ (J116)              |                              | L106 primary core (bottom) for minimum distortion  |



## MULTIPLEX ALIGNMENT PROCEDURES

(Selector switch in the "FM STEREO" position)

| Step | Signal Source Connection                                                                                                                                      | Signal Frequency         | Indicator Connection                         | Set Dial Pointer to: | Adjustment                       |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|----------------------------------------------|----------------------|----------------------------------|
| 1    | RF generator to FM antenna terminals or point ③ (J101, J102) through 300Ω, balanced matching network with FM stereo simulator RF signal output 1mV (I.H.F.M.) | Pilot (19 KHz)           | VTVM to J123                                 | 98 MHz               | L302 for maximum output          |
| 2    |                                                                                                                                                               |                          |                                              |                      | L301 for maximum output          |
| 3    |                                                                                                                                                               | Stereo, left (1,000 Hz)  | VTVM to right channel output terminal (J121) |                      | R301 and L301 for minimum output |
| 4    |                                                                                                                                                               | Stereo, right (1,000 Hz) | VTVM to left channel output terminal (J122)  |                      |                                  |
| 5    |                                                                                                                                                               | Pilot (19 KHz)           | VTVM to right channel output terminal (J121) |                      | L303 for minimum output          |
| 6    |                                                                                                                                                               | Pilot (19 KHz)           | VTVM to Ifet channel output terminal (J122)  |                      | L304 for minimum output          |
| 7    | Repeat steps 3 and 4.                                                                                                                                         |                          |                                              |                      |                                  |

## AM ALIGNMENT PROCEDURES

(Selector Switch in the "AM" position)

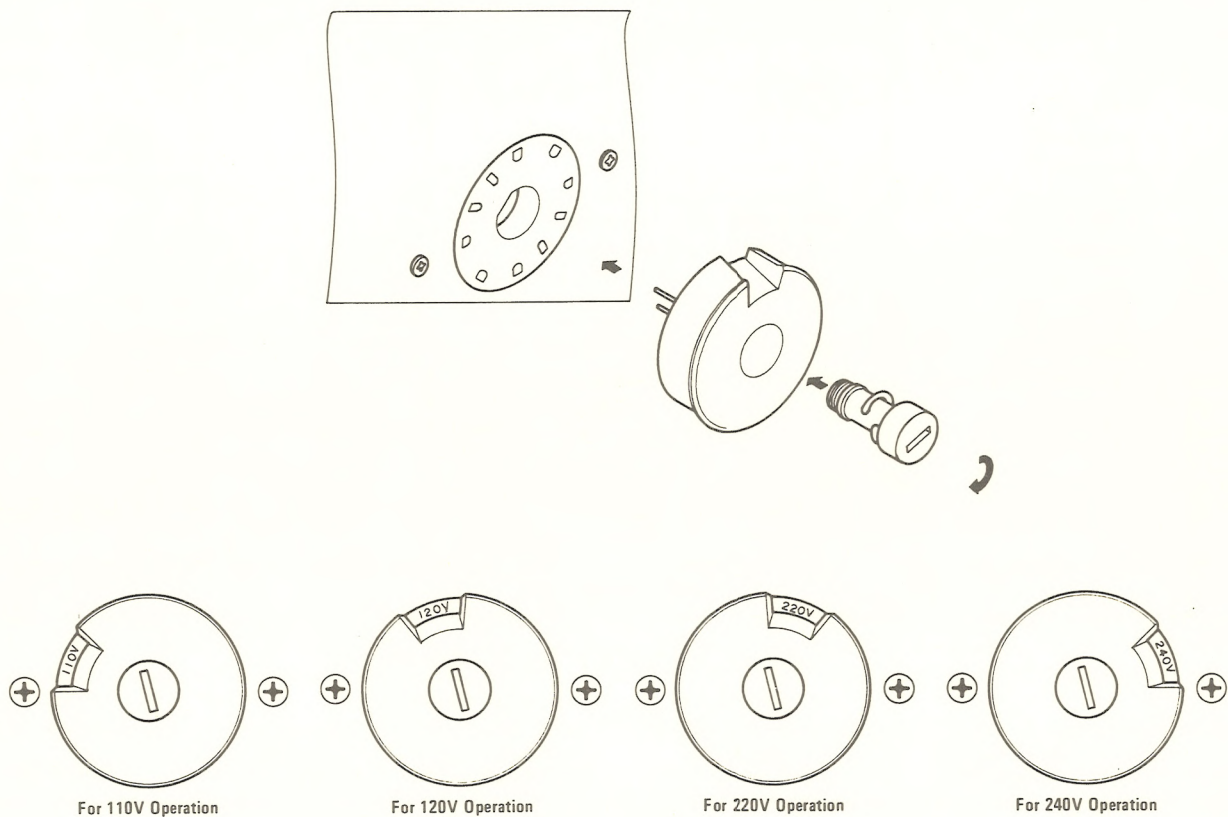
| Step            | Signal Source Connection                                              | Signal Frequency | Indicator Connection                        | Set Dial Pointer to;           | Adjustment                                         |
|-----------------|-----------------------------------------------------------------------|------------------|---------------------------------------------|--------------------------------|----------------------------------------------------|
| AM IF ALIGNMENT |                                                                       |                  |                                             |                                |                                                    |
| 1               | Sweep generator to point Ⓐ (J105)                                     | Marker 455 KHz   | Oscilloscope to point Ⓑ (J115)              | Quiet point on band            | L203 and L204 for maximum and symmetric response   |
| 2               | Repeat Step 1.                                                        |                  |                                             |                                |                                                    |
| AM RF ALIGNMENT |                                                                       |                  |                                             |                                |                                                    |
| 1               | RF generator to AM antenna terminals through IHF dummy                | 515 kHz          | VTVM to L or R channel tape output terminal | 515 KHz (tuning gang closed)   | L202 for maximum output                            |
| 2               |                                                                       | 1,650 KHz        |                                             | 1,650 KHz (tuning gang opened) | CA-2 for maximum output                            |
| 3               |                                                                       | 600 KHz          |                                             | 600 KHz                        | L001 for maximum output                            |
| 4               |                                                                       | 1,400 KHz        |                                             | 1,400 KHz                      | CA-1 for maximum output                            |
| 5               | Repeat step 1 through 4 as necessary to obtain maximum sensitivity.   |                  |                                             |                                |                                                    |
| 6               | RF generator of 60dB output to AM antenna terminals through IHF dummy | 1,000 KHz        | —                                           | 1,000 KHz                      | R204 until signal strength meter M001 may read 80% |

## VOLTAGE CONVERSION

The R-1232 is equipped with a universal power transformer that may be adjusted to operate at 110V, 120V, 220V or 240V AC at 50 to 60 Hz.

To convert the unit to a different power source voltage, reposition conversion plug as shown in the illustration below.

**CAUTION: DISCONNECT POWER SUPPLY CORD FROM AC OUTLET BEFORE CONVERTING VOLTAGE**



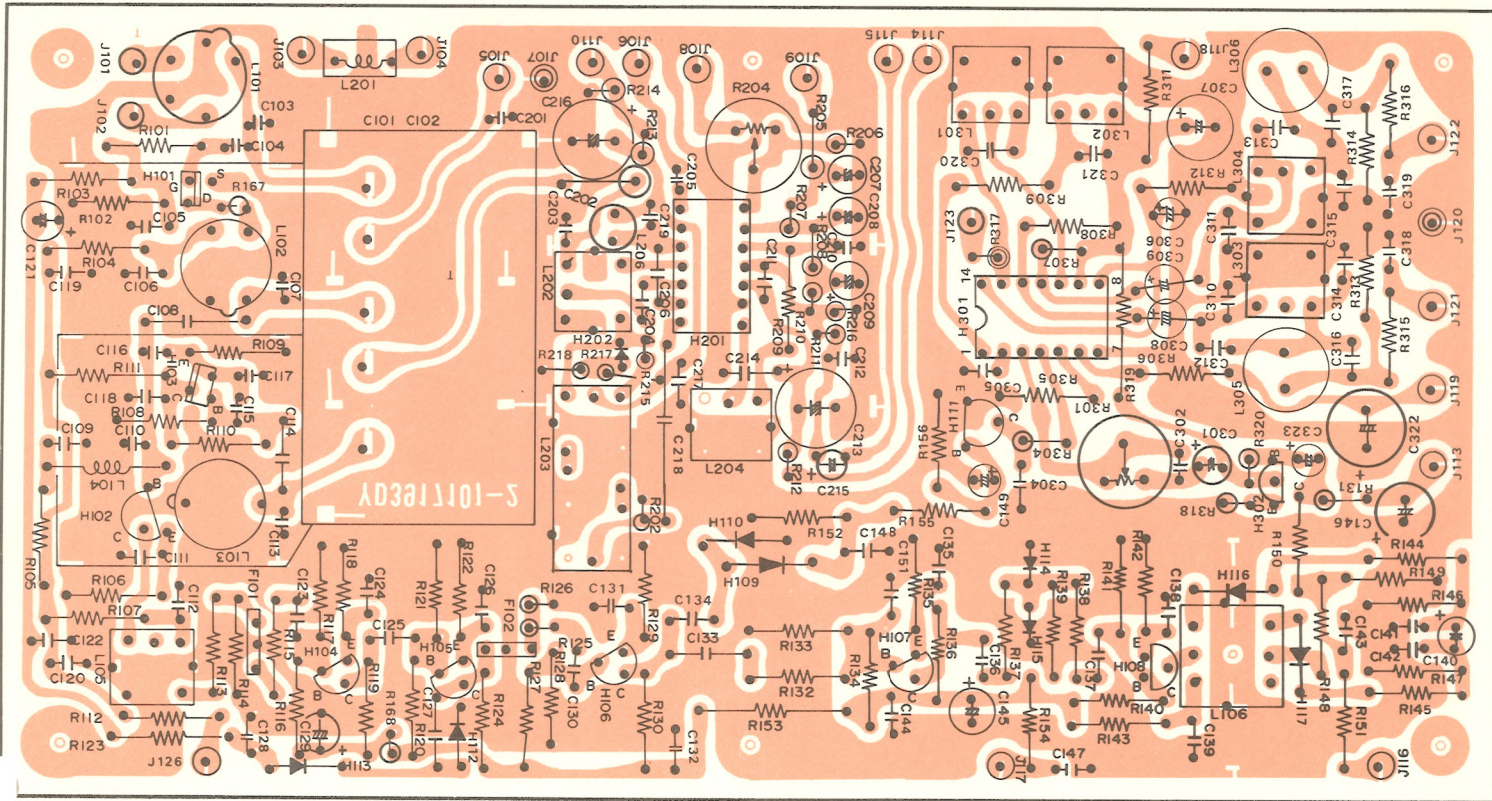
Instruction for the use in the range other than specified in FTZ codes

**Achtung für die Leute, die in dem Gebiet wohnen,  
wo die FTZ-Bestimmungen vorherrschend sind.**

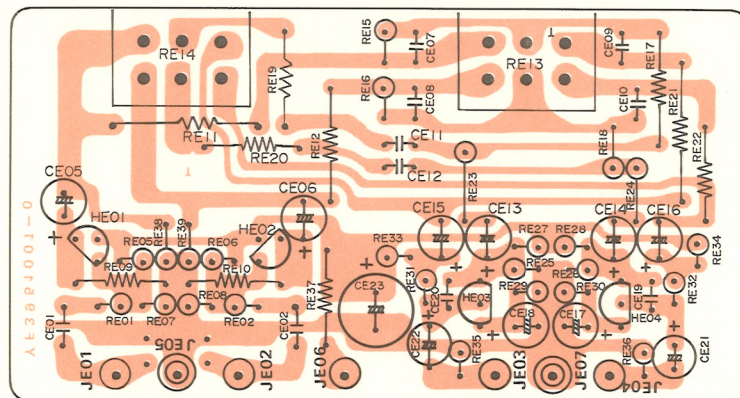
Sollte das Gerät auch für Frequenzen ausserhalb des in den FTZ-Bestimmungen angegebenen Bereiches empfangebereit sein, bitten wir, den Bereich durch Nachstellen des Kernes in der Oszillatorschule (in der Abbildung mit "FTZ" gekennzeichnet) so zu korrigieren, dass er den Bestimmungen entspricht.



## CIRCUIT BOARD DIAGRAMS (TOP VIEW)

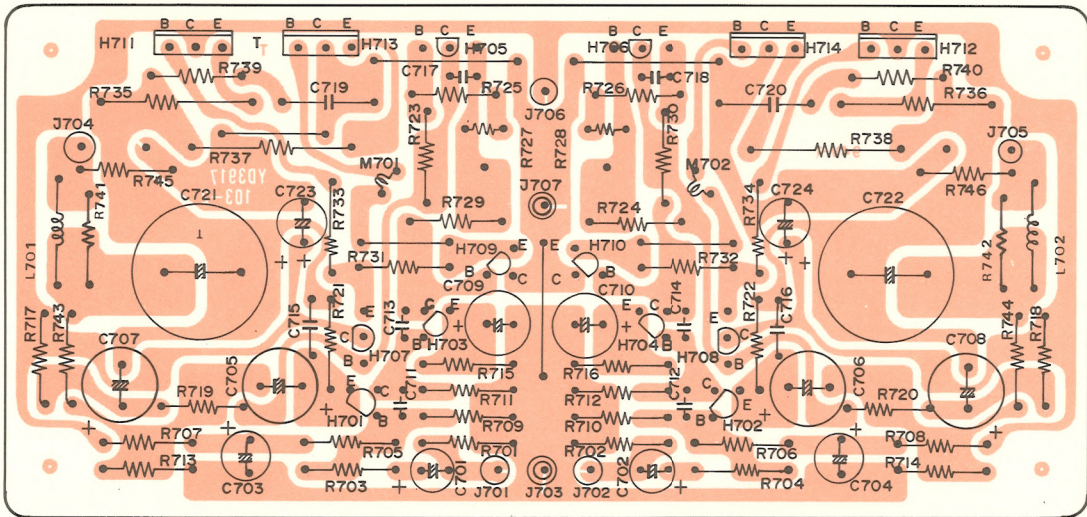


**Tuner Block P100**

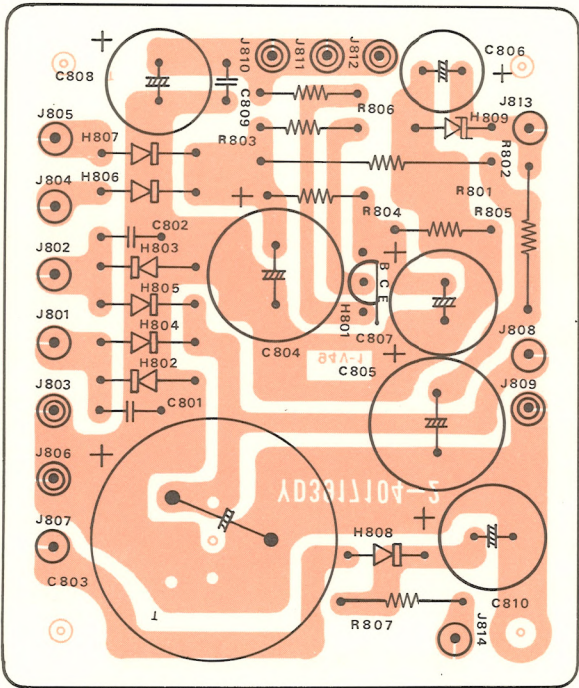


**Tone Amp. Block PE00**



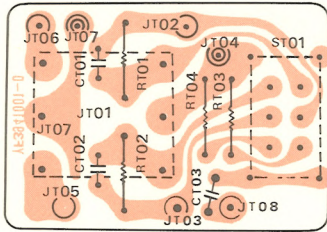


Main Amp. Block P700

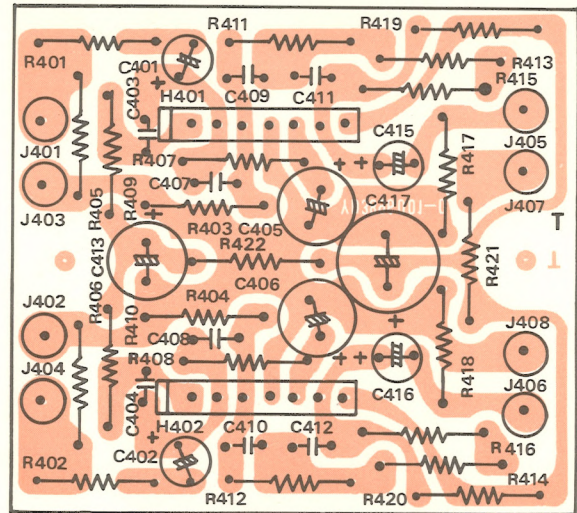


Power Source Block P800

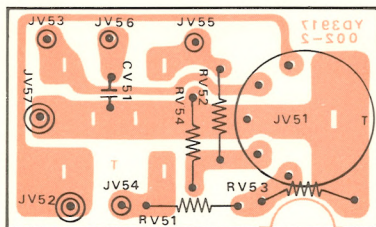




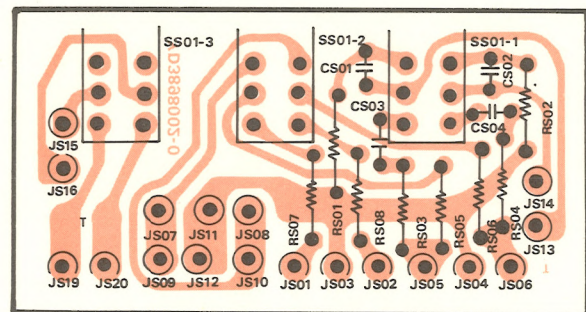
**Input Terminal Assy. PT00**



**EQ. Amp. Block P400**

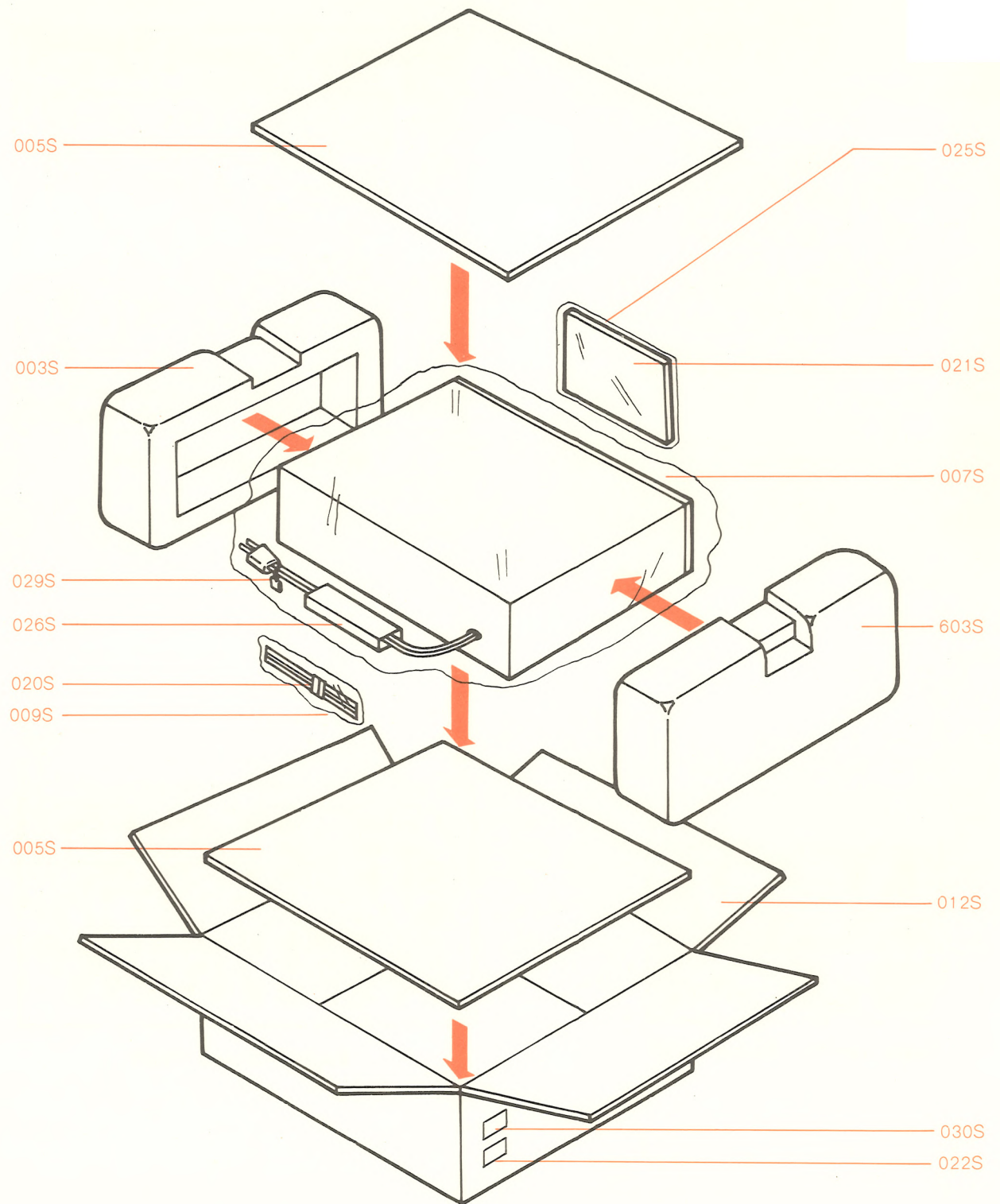


**Tape In/Out Block PV51**



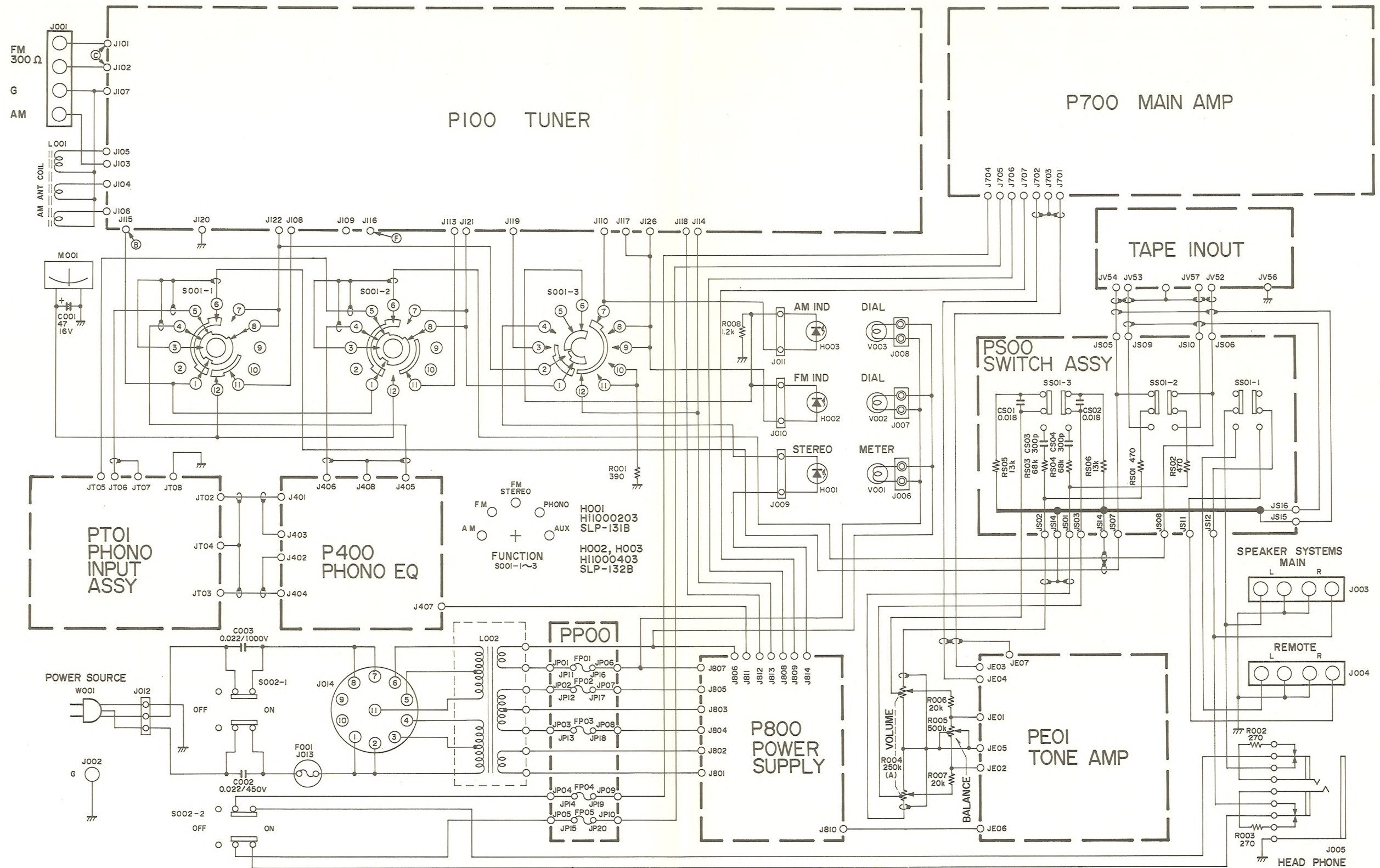
**Switch Block PS00**

## PACKING MATERIAL EXPLODED VIEW



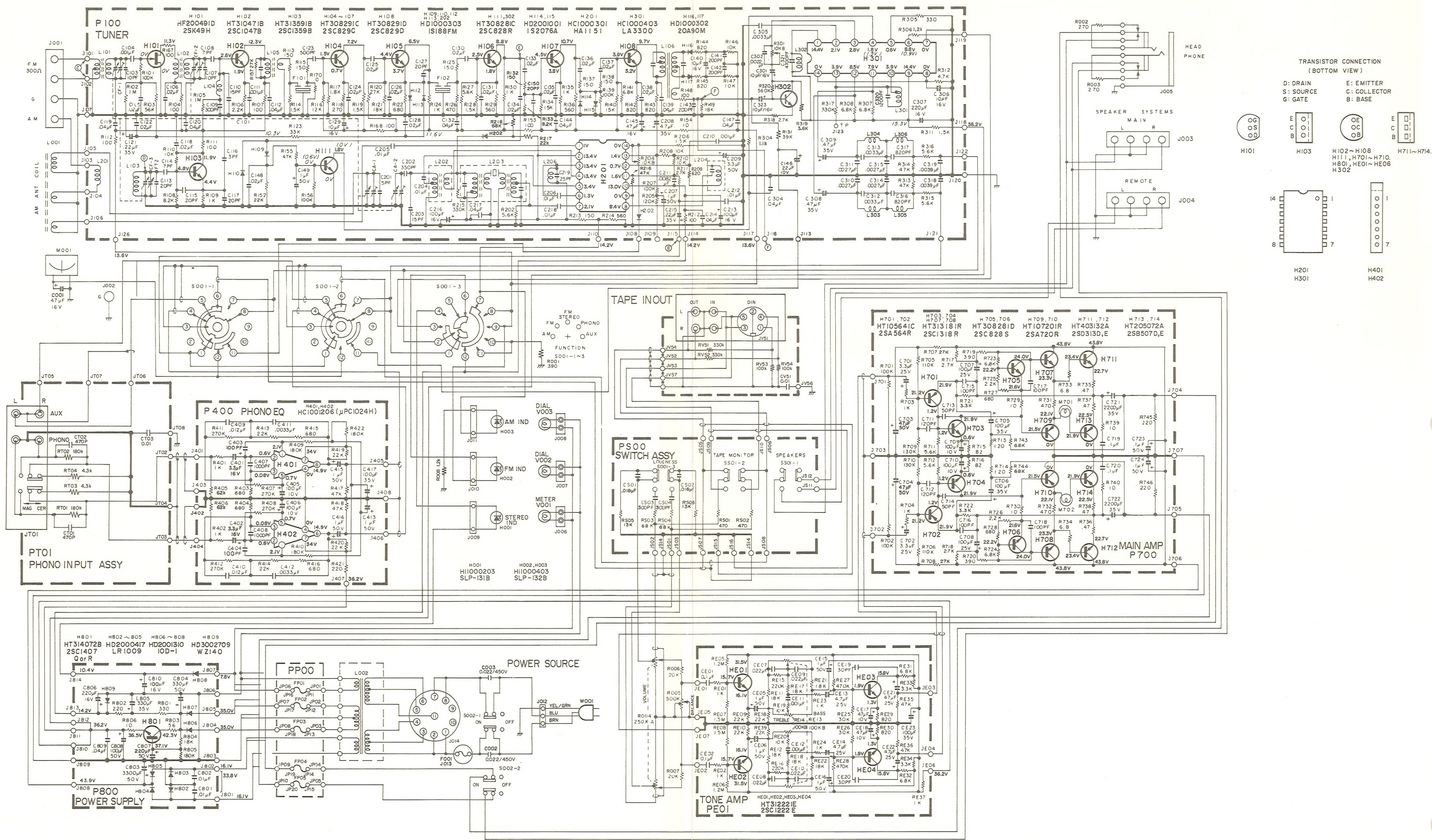


## INTERCONNECTION DIAGRAM





SCHEMATIC DIAGRAM









PARTS LIST

| REF. DESIG.      | QTY | PART NO.   | DESCRIPTION                 |
|------------------|-----|------------|-----------------------------|
| A                | 1   | 3951063400 | Front Panel Assembly, Gold  |
| A1               | 1   | 3951063410 | Front Panel Assembly, Black |
| 001B             | 1   | 3951063012 | Escutcheon, Gold            |
| 001B             | 1   | 3951063113 | Escutcheon, Black           |
| 002B             | 1   | 3941063020 | Escutcheon, Gold            |
| 002B             | 1   | 3941063120 | Escutcheon, Black           |
| 004B             | 1   | 3941158012 | Window                      |
| 006B             | 4   | 2886259010 | Bushing                     |
| 007B             | 1   | 2854259012 | Bushing                     |
| B                | 1   | 1202006400 | Hook Assembly               |
| 119F             | 1   | 1202258012 | Hook                        |
| 120F             | 2   | 72080802A0 | String                      |
| C                | 1   | 2219159410 | Drum Assembly               |
| 115F             | 1   | 2219159010 | Drum                        |
| 116F             | 1   | 71101689L0 | Spring                      |
| 117F             | 2   | 51064019A9 | P.H.M. Screw                |
| MECHANICAL PARTS |     |            |                             |
| PE08             | 2   | 2933118020 | Spacer                      |
| P108             | 2   | 2933118020 | Spacer                      |
| P408             | 2   | 2933118020 | Spacer                      |
| P707             | 4   | 3444118050 | Spacer                      |
| P708             | 8   | 2933118020 | Spacer                      |
| P807             | 8   | 3444118050 | Spacer                      |
| P808             | 14  | 2933118020 | Spacer                      |
| 001F             | 1   | 3917109022 | Shield                      |
| 002F             | 1   | 2821109010 | Shield                      |
| 003F             | 1   | 3896109030 | Shield                      |
| 003S             | 2   | 3906803012 | Partitioner                 |
| 004B             | 1   | 3943064503 | Case, wood                  |
| 004B             | 1   | 3943064512 | Case, black                 |
| 004F             | 1   | 2850109020 | Shield                      |
| 005F             | 1   | 3918109010 | Shield                      |
| 005S             | 2   | 3941807010 | Reinforcing                 |
| 007F             | 6   | 51570306B0 | P. tapped Screw, P3 x 6ST   |
| 007S             | 1   | 9014535350 | Polyethylene Bag            |
| 008S             | 1   | 9011830010 | Polyethylene Bag            |
| 009B             | 2   | 51280305B0 | B.H. tapped Screw, B3 x 5ST |
| 009F             | 1   | 3941267010 | Heat Sink                   |
| 009S             | 1   | 9013025010 | Polyethylene Bag            |
| 010B             | 3   | 51280305B0 | B.H. tapped Screw, B3 x 5ST |
| 010F             | 1   | 3941160010 | Bracket                     |
| 011F             | 1   | 3941160020 | Bracket                     |
| 012B             | 1   | 3941154012 | Knob                        |
| 012F             | 4   | 51280306B0 | B.H. tapped Screw, B3 x 6ST |
| 012S             | 1   | 3951801010 | Packing Case                |
| 013B             | 4   | 3943154023 | Knob                        |
| 013F             | 4   | 51570306B0 | P. tapped Screw, P3 x 6ST   |
| 014B             | 4   | 3917154050 | Knob                        |
| 014F             | 4   | 51100306A9 | B.H.M. Screw, B3 x 6        |
| 015B             | 1   | 3917154060 | Knob                        |
| 016F             | 2   | 2874118013 | Spacer                      |
| 018B             | 1   | 3918269010 | Protector                   |
| 018F             | 1   | 2874005010 | Clamper                     |
| 019F             | 2   | 51100314A9 | B.H.M. Screw, B3 x 14       |
| 020F             | 1   | 3917118012 | Spacer                      |
| 020S             | 1   | ZA02000080 | External Antenna            |
| 021F             | 1   | 1210005010 | Clamper                     |
| 021S             | 1   | 3951851010 | Instructions                |
| 022S             | 1   | 9510911040 | Label                       |
| 024B             | 4   | 3906259010 | Bushing                     |
| 025B             | 4   | 51100412S9 | B.H.M. Screw, B4 x 12       |
| 025S             | 1   | 9013025010 | Polyethylene Bag            |
| 026S             | 1   | 9560000042 | Hang Tag                    |

| REF. DESIG. | QTY | PART NO.   | DESCRIPTION                 |
|-------------|-----|------------|-----------------------------|
| 029S        | 1   | 9560000090 | Hang Tag                    |
| 030S        | 3   | 9523015130 | Serial No. Card             |
| 031B        | 1   | 2871257013 | Lid                         |
| 031F        | 1   | 3942160503 | Bracket                     |
| 032B        | 2   | 51100305S9 | B.H.M. Screw, B3 x 5        |
| 033B        | 2   | 51760306B0 | O.S. tapped Screw, O3 x 6ST |
| 034B        | 4   | 2872057012 | Leg                         |
| 034F        | 1   | 3943160510 | Bracket                     |
| 035B        | 4   | 51440418A9 | L. Washer Screw             |
| 038B        | 2   | 51280305U0 | B.H. tapped Screw, B3 x 6ST |
| 039F        | 1   | 3943160030 | Bracket                     |
| 040B        | 6   | 51100306S9 | B.H.M. Screw, B3 x 6        |
| 040F        | 4   | 51280306B0 | B.H. tapped Screw, B3 x 6ST |
| 041F        | 1   | 3943262500 | Pulley                      |
| 042B        | 2   | 51280306U0 | B.H. tapped Screw, B3 x 6ST |
| 044B        | 1   | 62041760W0 | Lug                         |
| 045B        | 1   | 54020401E0 | Flat Washer, P.             |
| 046B        | 1   | 54050400R0 | T.L. Washer OR              |
| 046F        | 1   | 51280305B0 | B.H. tapped Screw, B3 x 5ST |
| 047B        | 1   | 53110403A9 | Hexagon Nut                 |
| 049B        | 2   | 51100308S9 | B.H.M. Screw, B3 x 8        |
| 049F        | 1   | 3943262512 | Pulley                      |
| 050B        | 2   | 53110303A9 | Hexagon Nut                 |
| 051B        | 4   | 53110303A9 | Hexagon Nut                 |
| 052B        | 4   | 51100308S9 | B.H.M. Screw, B3 x 8        |
| 054B        | 2   | 51100308S9 | B.H.M. Screw, B3 x 8        |
| 054F        | 2   | 51100305A9 | B.H.M. Screw, B 3 x 5       |
| 056B        | 1   | 3951160225 | Bracket                     |
| 057B        | 1   | 3951265040 | Indicator                   |
| 058B        | 1   | 9510911040 | Label                       |
| 059B        | 1   | 2932861010 | Label                       |
| 060B        | 1   | 2578861010 | Label                       |
| 061B        | 1   | 1455259040 | Bushing                     |
| 061F        | 1   | 3941160030 | Bracket                     |
| 062F        | 1   | 51280306B0 | B.H. tapped Screw, B3 x 6ST |
| 064F        | 6   | 51100305A9 | B.H.M. Screw, B3 x 5        |
| 067F        | 3   | 2978259060 | Bushing                     |
| 070B        | 2   | 3941056110 | Buffer                      |
| 071F        | 6   | 51570306B0 | P. tapped Screw, P3 x 6ST   |
| 073F        | 1   | 3943103010 | Pointer                     |
| 074F        | 1   | 3943118020 | Spacer                      |
| 075F        | 1   | 3941063034 | Escutcheon                  |
| 076F        | 1   | 3941302012 | Dial                        |
| 077F        | 5   | 51280306B0 | B.H. tapped Screw, B3 x 6ST |
| 078F        | 4   | 51102606A0 | B.H.M. Screw B2.6 x 6       |
| 079F        | 1   | 3943160040 | Bracket                     |
| 080F        | 2   | 3941118012 | Spacer                      |
| 082F        | 1   | 3918109023 | Shield                      |
| 101F        | 1   | 2873273500 | Flywheel                    |
| 103F        | 1   | 3918271010 | Holder                      |
| 104F        | 2   | 1502271010 | Holder                      |
| 105F        | 2   | 51100308A9 | B.H.M. Screw, B3 x 8        |
| 106F        | 2   | 54020401A9 | Flat Washer, P.             |
| 107F        | 2   | 51570308B0 | P. tapped Screw, P3 x 8ST   |
| 108F        | 1   | 1382005030 | Clamper                     |
| 121F        | 1   | 56382540G0 | Eyelet                      |
| 131F        | 1   | 3898105023 | Chassis                     |
| 133F        | 3   | 2851160050 | Bracket                     |
| 134F        | 6   | 51570306B0 | P. tapped Screw, P3 x 6ST   |
| 135F        | 6   | 51100306A9 | B.H.M. Screw, B3 x 6        |
| 137F        | 2   | 3896160060 | Bracket                     |
| 138F        | 4   | 51100304A9 | B.H.M. Screw                |
| 139F        | 3   | 51100306A9 | B.H.M. Screw                |
| 140F        | 1   | 3918101010 | Support                     |
| 142F        | 4   | 51490410A9 | L. Washer Screw             |
| 144F        | 4   | 53110403A9 | Hexagon Nut                 |

| REF. DESIG.      | QTY | PART NO.   | DESCRIPTION                               |
|------------------|-----|------------|-------------------------------------------|
| 146F             | 2   | 2871160113 | Bracket                                   |
| 147F             | 4   | 51570306B0 | P. tapped Screw, P3 x 6ST                 |
| 149F             | 1   | 53110303A9 | Hexagon Nut                               |
| 150F             | 6   | 2886005050 | Clamper                                   |
| 151F             | 4   | 2886005060 | Clamper                                   |
| 161F             | 3   | 3920101020 | Support                                   |
| 162F             | 3   | 51102604A9 | B.H.M. Screw, B2.6 x 4                    |
| 163F             | 3   | 54042602A0 | Spring Washer                             |
| 167F             | 2   | 51570306B0 | P. tapped Screw, P3 x 6ST                 |
| 168F             | 2   | 2910123010 | Contacto                                  |
| 172F             | 1   | 51600306B0 | Washer Screw                              |
| 180F             | 1   | 51570306B0 | P. tapped Screw, P3 x 6ST                 |
| 201F             | 1   | 51570306B0 | P. tapped Screw, P3 x 6ST                 |
| 202F             | 1   | 2871005010 | Clamper                                   |
| 203F             | 1   | 2821005010 | Clamper                                   |
| 206F             | 1   | 62030039W0 | Lug                                       |
| 207F             | 1   | 53110303A9 | Hexagon Nut                               |
| 211F             | 1   | 3918114010 | Stopper                                   |
| 212F             | 2   | 51570305B0 | P. tapped Screw, P3 x 5ST                 |
| 213F             | 2   | 51100306A9 | B.H.M. Screw, B3 x 6                      |
| 214F             | 1   | 2854160030 | Bracket                                   |
| 215F             | 2   | 51570306B0 | P. tapped Screw, P3 x 6ST                 |
| 216F             | 2   | 51570306B0 | P. tapped Screw, P3 x 6ST                 |
| 217F             | 1   | 2882861020 | Label                                     |
| 218F             | 1   | 9510221010 | Label                                     |
| 219F             | 1   | 3951120012 | Insulator                                 |
| 220F             | 1   | 3918120010 | Insulator                                 |
| 221F             | 2   | 2970120030 | Insulator                                 |
| 222F             | 1   | 4113120010 | Insulator                                 |
| 223F             | 2   | 51570315B9 | P. tapped Screw, P3 x 15ST                |
| 224F             | 2   | 54010300E0 | Flat Washer, S.                           |
| 230F             | 1   | 62030039W0 | Lug                                       |
| 231F             | 1   | 51570305B0 | P. tapped Screw, P3 x 5ST                 |
| 400F             | 1   | 3941053010 | Cover                                     |
| 401F             | 1   | 3941053110 | Cover                                     |
| 500F             | 1   | 3926120010 | Insulator                                 |
| 600F             | 1   | 3941118022 | Spacer                                    |
| ELECTRICAL PARTS |     |            |                                           |
| CE01             | 1   | DF17104010 | Capacitor, Film, 0.1 $\mu$ F, 50V         |
| CE02             | 1   | DF17104010 | Capacitor, Film, 0.1 $\mu$ F, 50V         |
| CE05             | 1   | EE10505050 | Capacitor, Electrolytic, 1 $\mu$ F, 50V   |
| CE06             | 1   | EE10505050 | Capacitor, Electrolytic, 1 $\mu$ F, 50V   |
| CE07             | 1   | DF16223010 | Capacitor, Film, 0.022 $\mu$ F, 50V       |
| CE08             | 1   | DF16223010 | Capacitor, Film, 0.022 $\mu$ F, 50V       |
| CE09             | 1   | DF16223010 | Capacitor, Film, 0.022 $\mu$ F, 50V       |
| CE10             | 1   | DF16223010 | Capacitor, Film, 0.022 $\mu$ F, 50V       |
| CE11             | 1   | DF16102010 | Capacitor, Film, 1000PF, 50V              |
| CE12             | 1   | DF16102010 | Capacitor, Film, 1000PF, 50V              |
| CE13             | 1   | EE47502550 | Capacitor, Electrolytic, 4.7 $\mu$ F, 25V |
| CE14             | 1   | EE47502550 | Capacitor, Electrolytic, 4.7 $\mu$ F, 25V |
| CE15             | 1   | EE10505050 | Capacitor, Electrolytic, 1 $\mu$ F, 50V   |
| CE16             | 1   | EE10505050 | Capacitor, Electrolytic, 1 $\mu$ F, 50V   |
| CE17             | 1   | EA47601090 | Capacitor, Electrolytic, 47 $\mu$ F, 10V  |
| CE18             | 1   | EA47601090 | Capacitor, Electrolytic, 47 $\mu$ F, 10V  |
| CE19             | 1   | DD15300010 | Ceramic, Capacitor, 30PF, 50V             |
| CE20             | 1   | DD15300010 | Ceramic, Capacitor, 30PF, 50V             |
| CE21             | 1   | EE47502550 | Capacitor, Electrolytic, 4.7 $\mu$ F, 25V |
| CE22             | 1   | EE47502550 | Capacitor, Electrolytic, 4.7 $\mu$ F, 25V |
| CE23             | 1   | EA10703590 | Capacitor, Electrolytic, 10 $\mu$ F, 35V  |
| HE01             | 1   | HT312221E0 | Transistor, 2SC1222 E                     |
| HE02             | 1   | HT312221E0 | Transistor, 2SC1222 E                     |
| HE03             | 1   | HT312221E0 | Transistor, 2SC1222 E                     |
| HE04             | 1   | HT312221E0 | Transistor, 2SC1222 E                     |

| REF. DESIG. | QTY | PART NO.   | DESCRIPTION                                      |
|-------------|-----|------------|--------------------------------------------------|
| JE01        | 1   | YP10001130 | Plug                                             |
| JE02        | 1   | YP10001130 | Plug                                             |
| JE03        | 1   | YP10001130 | Plug                                             |
| JE04        | 1   | YP10001130 | Plug                                             |
| JE05        | 1   | YP10001130 | Plug                                             |
| JE06        | 1   | YP10001130 | Plug                                             |
| JE07        | 1   | YP10001130 | Plug                                             |
| PE00        | 1   | YF39510010 | P.W.Board (Print Only)                           |
|             | 1   | ZZ39510010 | Tone Amp Assembly                                |
| RE01        | 1   | RT05102140 | Resistor, Fixed, 1K $\Omega$ , $\frac{1}{4}$ W   |
| RE02        | 1   | RT05102140 | Resistor, Fixed, 1K $\Omega$ , $\frac{1}{4}$ W   |
| RE05        | 1   | RT05125140 | Resistor, Fixed, 1.2M $\Omega$ , $\frac{1}{4}$ W |
| RE06        | 1   | RT05125140 | Resistor, Fixed, 1.2M $\Omega$ , $\frac{1}{4}$ W |
| RE07        | 1   | RT05155140 | Resistor, Fixed, 1.5M $\Omega$ , $\frac{1}{4}$ W |
| RE08        | 1   | RT05155140 | Resistor, Fixed, 1.5M $\Omega$ , $\frac{1}{4}$ W |
| RE09        | 1   | RT05223140 | Resistor, Fixed, 22K $\Omega$ , $\frac{1}{4}$ W  |
| RE10        | 1   | RT05223140 | Resistor, Fixed, 22K $\Omega$ , $\frac{1}{4}$ W  |
| RE11        | 1   | RT05183140 | Resistor, Fixed, 18K $\Omega$ , $\frac{1}{4}$ W  |
| RE12        | 1   | RT05183140 | Resistor, Fixed, 18K $\Omega$ , $\frac{1}{4}$ W  |
| RE13        | 1   | RM01040160 | Resistor, Variable, 100K $\Omega$ , (B), Treble  |
| RE14        | 1   | RM01040160 | Resistor, Variable, 100K $\Omega$ , (B), Bass    |
| RE15        | 1   | RT05224140 | Resistor, Fixed, 220K $\Omega$ , $\frac{1}{4}$ W |
| RE16        | 1   | RT05224140 | Resistor, Fixed, 220K $\Omega$ , $\frac{1}{4}$ W |
| RE17        | 1   | RT05183140 | Resistor, Fixed, 18K $\Omega$ , $\frac{1}{4}$ W  |
| RE18        | 1   | RT05183140 | Resistor, Fixed, 18K $\Omega$ , $\frac{1}{4}$ W  |
| RE19        | 1   | RT05103140 | Resistor, Fixed, 10K $\Omega$ , $\frac{1}{4}$ W  |
| RE20        | 1   | RT05103140 | Resistor, Fixed, 10K $\Omega$ , $\frac{1}{4}$ W  |
| RE21        | 1   | RT05183140 | Resistor, Fixed, 18K $\Omega$ , $\frac{1}{4}$ W  |
| RE22        | 1   | RT05183140 | Resistor, Fixed, 18K $\Omega$ , $\frac{1}{4}$ W  |
| RE23        | 1   | RT05102140 | Resistor, Fixed, 1K $\Omega$ , $\frac{1}{4}$ W   |
| RE24        | 1   | RT05102140 | Resistor, Fixed, 1K $\Omega$ , $\frac{1}{4}$ W   |
| RE25        | 1   | RT05303140 | Resistor, Fixed, 30K $\Omega$ , $\frac{1}{4}$ W  |
| RE26        | 1   | RT05303140 | Resistor, Fixed, 30K $\Omega$ , $\frac{1}{4}$ W  |
| RE27        | 1   | RT05474140 | Resistor, Fixed, 470K $\Omega$ , $\frac{1}{4}$ W |
| RE28        | 1   | RT05474140 | Resistor, Fixed, 470K $\Omega$ , $\frac{1}{4}$ W |
| RE29        | 1   | RT05821140 | Resistor, Fixed, 820K $\Omega$ , $\frac{1}{4}$ W |
| RE30        | 1   | RT05821140 | Resistor, Fixed, 820K $\Omega$ , $\frac{1}{4}$ W |
| RE31        | 1   | RT05682140 | Resistor, Fixed, 6.8K $\Omega$ , $\frac{1}{4}$ W |
| RE32        | 1   | RT05682140 | Resistor, Fixed, 6.8K $\Omega$ , $\frac{1}{4}$ W |
| RE33        | 1   | RT05332140 | Resistor, Fixed, 3.3K $\Omega$ , $\frac{1}{4}$ W |
| RE34        | 1   | RT05332140 | Resistor, Fixed, 3.3K $\Omega$ , $\frac{1}{4}$ W |
| RE35        | 1   | RT05473140 | Resistor, Fixed, 47K $\Omega$ , $\frac{1}{4}$ W  |
| RE36        | 1   | RT05473140 | Resistor, Fixed, 47K $\Omega$ , $\frac{1}{4}$ W  |
| RE37        | 1   | RT05102140 | Resistor, Fixed, 1K $\Omega$ , $\frac{1}{4}$ W   |
| RE38        | 1   | RT05223140 | Resistor, Fixed, 22K $\Omega$ , $\frac{1}{4}$ W  |
| RE39        | 1   | RT05223140 | Resistor, Fixed, 22K $\Omega$ , $\frac{1}{4}$ W  |
| FP01        | 1   | FS10400800 | Fuse, 4A, 250V                                   |
| FP02        | 1   | FS10040800 | Fuse, 400 mA, 250V                               |
| FP03        | 1   | FS10040800 | Fuse, 400 mA, 250V                               |
| FP04        | 1   | FS10200800 | Fuse, 2A, 250V                                   |
| FP05        | 1   | FS10200800 | Fuse, 2A, 250V                                   |
| JP01        | 1   | YP10001130 | Plug                                             |
| JP02        | 1   | YP10001130 | Plug                                             |
| JP03        | 1   | YP10001130 | Plug                                             |
| JP04        | 1   | YP10001130 | Plug                                             |
| JP05        | 1   | YP10001130 | Plug                                             |
| JP06        | 1   | YP10001130 | Plug                                             |
| JP07        | 1   | YP10001130 | Plug                                             |
| JP08        | 1   | YP10001130 | Plug                                             |
| JP09        | 1   | YP10001130 | Plug                                             |
| JP10        | 1   | YP10001130 | Plug                                             |
| JP11        | 1   | YJ08000200 | Jack                                             |



| REF. DESIG. | QTY | PART NO.   | DESCRIPTION                                      | REF. DESIG. | QTY | PART NO.   | DESCRIPTION                                      |
|-------------|-----|------------|--------------------------------------------------|-------------|-----|------------|--------------------------------------------------|
| JP12        | 1   | YJ08000200 | Jack                                             | JV54        | 1   | YP10001200 | Plug                                             |
| JP13        | 1   | YJ08000200 | Jack                                             | JV55        | 1   | YP10001200 | Plug                                             |
| JP14        | 1   | YJ08000200 | Jack                                             |             |     |            |                                                  |
| JP15        | 1   | YJ08000200 | Jack                                             | JV56        | 1   | YP10001200 | Plug                                             |
| JP16        | 1   | YJ08000200 | Jack                                             | JV57        | 1   | YP10001200 | Plug                                             |
| JP17        | 1   | YJ08000200 | Jack                                             |             |     |            |                                                  |
| JP18        | 1   | YJ08000200 | Jack                                             | PV51        | 1   | YD39170020 | P W Board (Print Only)                           |
|             |     |            |                                                  |             | 1   | ZZ39170020 | Tape In/Out Assembly                             |
| JP19        | 1   | YJ08000200 | Jack                                             |             |     |            |                                                  |
| JP20        | 1   | YJ08000200 | Jack                                             | RV51        | 1   | RT05334140 | Resistor, Fixed, 330K $\Omega$ , $\frac{1}{4}$ W |
|             |     |            |                                                  | RV52        | 1   | RT05334140 | Resistor, Fixed, 330K $\Omega$ , $\frac{1}{4}$ W |
| PP00        | 1   | YD38980052 | PW Board (Print Only)                            | RV53        | 1   | RT05104140 | Resistor, Fixed, 100K $\Omega$ , $\frac{1}{4}$ W |
|             | 1   | ZZ38987050 | Fuse Assembly                                    | RV54        | 1   | RT05104140 | Resistor, Fixed, 100K $\Omega$ , $\frac{1}{4}$ W |
|             |     |            |                                                  | C001        | 1   | EA47601690 | Capacitor, Electrolytic, 47 $\mu$ F 16V          |
| CS01        | 1   | DF16183010 | Capacitor, Film 0.018 $\mu$ F 50V                | C002        | 1   | D007223510 | Capacitor, Oil-Paper 0.022 $\mu$ F, 450V         |
| CS02        | 1   | DF16183010 | Capacitor, Film 0.018 $\mu$ F 50V                |             |     |            |                                                  |
| CS03        | 1   | DD15301020 | Capacitor, Ceramic 300PF 50V                     | C003        | 1   | DF17223800 | Capacitor, Film, 0.022 $\mu$ F, 1000V            |
| CS04        | 1   | DD15301020 | Capacitor, Ceramic 300PF 50V                     | F001        | 1   | FS10080800 | Fuse, 800 mA 250V                                |
| JS01        | 1   | YP10001130 | Plug                                             | H001        | 1   | HI10002030 | LED SLP-131B, Stereo                             |
| JS02        | 1   | YP10001130 | Plug                                             | H002        | 1   | HI10004030 | LED SLP-132B, FM                                 |
| JS03        | 1   | YP10001130 | Plug                                             |             |     |            |                                                  |
| JS05        | 1   | YP10001130 | Plug                                             | H003        | 1   | HI10004030 | LED SLP-132B, AM                                 |
| JS06        | 1   | YP10001130 | Plug                                             | J001        | 1   | YT01040190 | Terminal, Antenna                                |
| JS07        | 1   | YP10001130 | Plug                                             | J002        | 1   | YL03010210 | Terminal, Ground                                 |
|             |     |            |                                                  | J003        | 1   | YT03040060 | Terminal, Speaker                                |
| JS08        | 1   | YP10001130 | Plug                                             | J004        | 1   | YT03040060 | Terminal, Speaker                                |
| JS09        | 1   | YP10001130 | Plug                                             | J005        | 1   | YJ01001060 | Jack, Headphone                                  |
| JS10        | 1   | YP10001130 | Plug                                             | J006        | 1   | YJ08000190 | Jack, Lamp, Meter                                |
| JS11        | 1   | YP10001130 | Plug                                             | J007        | 1   | YJ08000190 | Jack, Lamp, Dial                                 |
| JS12        | 1   | YP10001130 | Plug                                             | J008        | 1   | YJ08000190 | Jack, Lamp, Dial                                 |
| JS13        | 1   | YP10001130 | Plug                                             | J009        | 1   | YJ05000250 | Jack, LED, Stereo                                |
| JS14        | 1   | YP10001130 | Plug                                             |             |     |            |                                                  |
| JS15        | 1   | YP10001130 | Plug                                             | J010        | 1   | YJ05000250 | Jack, LED, FM                                    |
| JS16        | 1   | YP10001130 | Plug                                             | J011        | 1   | YJ05000250 | Jack, LED, AM                                    |
| JS17        | 1   | YP10001130 | Plug                                             | J012        | 1   | YL09030010 | Terminal, Power                                  |
|             |     |            |                                                  | J013        | 1   | YJ08000220 | Jack, Fuse Holder                                |
| PS00        | 1   | YD39180010 | P.W. Board (Print Only)                          | J014        | 1   | BY03110010 | Plug, Voltage Selector                           |
|             | 1   | ZZ39518010 | Switch Assembly                                  | L001        | 1   | LF11400772 | Coil, Antenna, AM                                |
|             |     |            |                                                  | L002        | 1   | TS17613040 | Power Transformer                                |
| RS01        | 1   | RT05471140 | Resistor, Fixed, 470 $\Omega$ , $\frac{1}{4}$ W  | M001        | 1   | IM11055060 | DC Meter, Tuning                                 |
| RS02        | 1   | RT05471140 | Resistor, Fixed, 470 $\Omega$ , $\frac{1}{4}$ W  | R001        | 1   | GJ05391010 | Resistor, Fixed, 390 $\Omega$ , 1W               |
| RS03        | 1   | RT05104140 | Resistor, Fixed, 100K $\Omega$ , $\frac{1}{4}$ W | R002        | 1   | GJ05271010 | Resistor, Fixed, 270 $\Omega$ , 1W               |
| RS04        | 1   | RT05104140 | Resistor, Fixed, 100K $\Omega$ , $\frac{1}{4}$ W |             |     |            |                                                  |
| RS05        | 1   | RT05133140 | Resistor, Fixed, 13K $\Omega$ , $\frac{1}{4}$ W  | R003        | 1   | GJ05271010 | Resistor, Fixed, 270 $\Omega$ , 1W               |
| RS06        | 1   | RT05133140 | Resistor, Fixed, 13K $\Omega$ , $\frac{1}{4}$ W  | R004        | 1   | RM02540400 | Resistor, Variable Volume, 250K $\Omega$         |
| SS01        | 1   | SP02030040 | Push Switch, Loudness, Tape Mon, Spk             | R005        | 1   | RX05040020 | Resistor, Variable Balance, 500K $\Omega$        |
|             |     |            |                                                  | R006        | 1   | RT05203140 | Resistor, Fixed, 20K $\Omega$ , $\frac{1}{4}$ W  |
| CT01        | 1   | DK16471010 | Capacitor, Ceramic, 470PF, 50V                   | R007        | 1   | RT05203140 | Resistor, Fixed, 20K $\Omega$ , $\frac{1}{4}$ W  |
| CT02        | 1   | DK16471010 | Capacitor, Ceramic, 470PF, 50V                   | R008        | 1   | RT05122140 | Resistor, Fixed, 1.2K $\Omega$ , $\frac{1}{4}$ W |
| CT03        | 1   | DK18103010 | Capacitor, Ceramic, 0.01 $\mu$ F, 50V            | S001        | 1   | SR10050100 | Switch, Rotary, Selector                         |
|             |     |            |                                                  | S002        | 1   | SP04010250 | Switch, Push, Power                              |
| JT01        | 1   | BY01040060 | Jack, Phono/aux W/Mag, Cer SW                    | V001        | 1   | IN10080420 | Lamp, 8V, 200 mA, Meter                          |
| JT02        | 1   | YP10001200 | Plug                                             | V002        | 1   | IN10080420 | Lamp, 8V, 200 mA, Dial                           |
| JT03        | 1   | YP10001200 | Plug                                             |             |     |            |                                                  |
| JT04        | 1   | YP10001200 | Plug                                             | V003        | 1   | IN10080420 | Lamp, 8V, 200 mA, Dial                           |
| JT05        | 1   | YP10001200 | Plug                                             | W001        | 1   | YC01900030 | AC Power Cord                                    |
| JT06        | 1   | YP10001200 | Plug                                             | C101        | 1   | CA32500020 | Capacitor, Variable, FM-3 AM-2                   |
| JT07        | 1   | YP10001200 | Plug                                             | C103        | 1   | DD12100010 | Capacitor, Ceramic, 10PF, 50V                    |
| JT08        | 1   | YP10001200 | Plug                                             | C104        | 1   | DK17102010 | Capacitor, Ceramic, 1000PF, 50V                  |
|             |     |            |                                                  | C105        | 1   | DK18203020 | Capacitor, Ceramic, 0.02 $\mu$ F, 50V            |
| PT00        | 1   | YF39410010 | PW Board (Print Only)                            | C106        | 1   | DK18203020 | Capacitor, Ceramic, 0.02 $\mu$ F, 50V            |
|             | 1   | ZZ39410010 | Input Assembly W/Mag. Cer SW                     | C107        | 1   | DD12100010 | Capacitor, Ceramic, 10PF, 50V                    |
|             |     |            |                                                  | C108        | 1   | DD12070030 | Capacitor, Ceramic, 7PF, 50V                     |
| RT01        | 1   | GD05184140 | Resistor, Fixed, 180K $\Omega$ , $\frac{1}{4}$ W | C109        | 1   | DD15301020 | Capacitor, Ceramic, 300PF, 50V                   |
| RT02        | 1   | GD05184140 | Resistor, Fixed, 180K $\Omega$ , $\frac{1}{4}$ W |             |     |            |                                                  |
| RT03        | 1   | GD05432140 | Resistor, Fixed, 4.3K $\Omega$ , $\frac{1}{4}$ W | C110        | 1   | DD16150030 | Capacitor, Ceramic, 15PF, 50V                    |
| RT04        | 1   | GD05432140 | Resistor, Fixed, 4.3K $\Omega$ , $\frac{1}{4}$ W | C111        | 1   | DK17102010 | Capacitor, Ceramic, 1000PF, 50V                  |
| CV51        | 1   | DK18103010 | Capacitor, Ceramic, 0.01 $\mu$ F, 50V            | C112        | 1   | DK18403020 | Capacitor, Ceramic, 0.04 $\mu$ F, 50V            |
| JV41        | 1   | BY01050050 | Jack, DIN Socket & RCA 4p Terminal               | C113        | 1   | DD15200020 | Capacitor, Ceramic, 20PF, 50V                    |
|             |     |            |                                                  | C114        | 1   | DD12070030 | Capacitor, Ceramic, 7PF, 50V                     |
| JV52        | 1   | YP10001200 | Plug                                             | C115        | 1   | DD15200010 | Capacitor, Ceramic, 20PF, 50V                    |
| JV53        | 1   | YP10001200 | Plug                                             | C116        | 1   | DD11030010 | Capacitor, Ceramic, 3PF, 50V                     |



| REF. DESIG. | QTY | PART NO.   | DESCRIPTION                               |
|-------------|-----|------------|-------------------------------------------|
| C117        | 1   | DD15200010 | Capacitor, Ceramic, 20PF, 50V             |
| C118        | 1   | DK18203020 | Capacitor, Ceramic, 0.02 $\mu$ F, 50V     |
| C119        | 1   | DK18403020 | Capacitor, Ceramic, 0.04 $\mu$ F, 25V     |
| C120        | 1   | DK18403020 | Capacitor, Ceramic, 0.04 $\mu$ F, 25V     |
| C121        | 1   | EV22403560 | Capacitor, Electrolytic 0.22 $\mu$ F, 35V |
| C122        | 1   | DK18203020 | Capacitor, Ceramic, 0.02 $\mu$ F, 50V     |
| C123        | 1   | DD16501010 | Capacitor, Ceramic, 500PF, 50V            |
| C124        | 1   | DK18203020 | Capacitor, Ceramic, 0.02 $\mu$ F, 50V     |
| C125        | 1   | DK18203020 | Capacitor, Ceramic, 0.02 $\mu$ F, 50V     |
| C126        | 1   | DK18203020 | Capacitor, Ceramic, 0.02 $\mu$ F, 50V     |
| C127        | 1   | DD16200010 | Capacitor, Ceramic, 20PF, 50V             |
| C128        | 1   | DK18203020 | Capacitor, Ceramic, 0.02 $\mu$ F, 50V     |
| C129        | 1   | EA10601690 | Capacitor, Electrolytic 10 $\mu$ F, 16V   |
| C130        | 1   | DK18203020 | Capacitor, Ceramic, 0.02 $\mu$ F, 50V     |
| C131        | 1   | DK18203020 | Capacitor, Ceramic, 0.02 $\mu$ F, 50V     |
| C132        | 1   | DK18403020 | Capacitor, Ceramic, 0.04 $\mu$ F, 25V     |
| C133        | 1   | DK18203020 | Capacitor, Ceramic, 0.02 $\mu$ F, 50V     |
| C134        | 1   | DK18203020 | Capacitor, Ceramic, 0.02 $\mu$ F, 50V     |
| C135        | 1   | DK18203020 | Capacitor, Ceramic, 0.02 $\mu$ F, 50V     |
| C136        | 1   | DK18203020 | Capacitor, Ceramic, 0.02 $\mu$ F, 50V     |
| C137        | 1   | DK18203020 | Capacitor, Ceramic, 0.02 $\mu$ F, 50V     |
| C138        | 1   | DK18203020 | Capacitor, Ceramic, 0.02 $\mu$ F, 50V     |
| C139        | 1   | DK18403020 | Capacitor, Ceramic, 0.04 $\mu$ F, 25V     |
| C140        | 1   | EA10601690 | Capacitor, Electrolytic 10 $\mu$ F, 16V   |
| C141        | 1   | DD16201010 | Capacitor, Ceramic, 200PF, 50V            |
| C142        | 1   | DD16201010 | Capacitor, Ceramic, 200PF, 50V            |
| C143        | 1   | DD16201010 | Capacitor, Ceramic, 200PF, 50V            |
| C144        | 1   | DK18403020 | Capacitor, Ceramic, 0.04 $\mu$ F, 50V     |
| C145        | 1   | EA47601690 | Capacitor, Electrolytic, 47 $\mu$ F, 16V  |
| C146        | 1   | EA22601090 | Capacitor, Electrolytic, 22 $\mu$ F, 10V  |
| C147        | 1   | DK18403020 | Capacitor, Ceramic, 0.04 $\mu$ F, 25V     |
| C148        | 1   | DK18203020 | Capacitor, Ceramic, 0.02 $\mu$ F, 50V     |
| C149        | 1   | EA10505090 | Capacitor, Electrolytic, 1 $\mu$ F, 50V   |
| C150        | 1   | DD16200010 | Capacitor, Ceramic, 20PF, 50V             |
| F101        | 1   | FF11070050 | Filter, Ceramic, 10.7 MHz, MD-1           |
| F102        | 1   | FF11070050 | Filter, Ceramic, 10.7 MHz, MD-1           |
| H101        | 1   | HF200491H0 | FET, 2SK49H                               |
| H102        | 1   | HT310471B0 | Transistor, 2SC1407B                      |
| H103        | 1   | HT313591B0 | Transistor, 2SC1359B                      |
| H104        | 1   | HT308291C0 | Transistor, 2SC829C                       |
| H105        | 1   | HT308291C0 | Transistor, 2SC829C                       |
| H106        | 1   | HT308291C0 | Transistor, 2SC829C                       |
| H107        | 1   | HT308291C0 | Transistor, 2SC829C                       |
| H108        | 1   | HT308291D0 | Transistor, 2SC829D                       |
| H109        | 1   | HD10003030 | Diode, 1S188, FM                          |
| H110        | 1   | HD10003030 | Diode, 1S188, FM                          |
| H111        | 1   | HT308281C0 | Transistor, 2SC828R                       |
| H112        | 1   | HD10003030 | Diode, 1S188, FM                          |
| H113        | 1   | HD10003030 | Diode, 1S188, FM                          |
| H114        | 1   | HD20010010 | Diode, 1S2076A                            |
| H115        | 1   | HD20010010 | Diode, 1S2076A                            |
| H116        | 1   | HD10003020 | Diode, 20A90M                             |
| H117        | 1   | HD10003020 | Diode, 20A90M                             |
| J101        | 1   | YP10001130 | Plug                                      |
| J102        | 1   | YP10001130 | Plug                                      |
| J103        | 1   | YP10001130 | Plug                                      |
| J104        | 1   | YP10001130 | Plug                                      |
| J105        | 1   | YP10001130 | Plug                                      |
| J106        | 1   | YP10001130 | Plug                                      |
| J107        | 1   | YP10001130 | Plug                                      |
| J108        | 1   | YP10001130 | Plug                                      |
| J109        | 1   | YP10001130 | Plug                                      |
| J110        | 1   | YP10001130 | Plug                                      |
| J113        | 1   | YP10001130 | Plug                                      |
| J114        | 1   | YP10001130 | Plug                                      |

| REF. DESIG. | QTY | PART NO.   | DESCRIPTION                                      |
|-------------|-----|------------|--------------------------------------------------|
| J115        | 1   | YP10001130 | Plug                                             |
| J117        | 1   | YP10001130 | Plug                                             |
| J118        | 1   | YP10001130 | Plug                                             |
| J119        | 1   | YP10001130 | Plug                                             |
| J120        | 1   | YP10001130 | Plug                                             |
| J121        | 1   | YP10001130 | Plug                                             |
| J122        | 1   | YP10001130 | Plug                                             |
| J126        | 1   | YP10001130 | Plug                                             |
| L101        | 1   | LA12026120 | Coil, Antenna, FM                                |
| L102        | 1   | LA12026100 | Coil, Antenna, FM RF                             |
| L103        | 1   | LO12036010 | Coil, FM OSC                                     |
| L104        | 1   | LC17510010 | Coil, Choke FM, 10.7 MHz                         |
| L105        | 1   | LI10016010 | IFT, FM                                          |
| L106        | 1   | LI14016230 | IFT, FM                                          |
| P100        | 1   | YD39171012 | PW Board (Print Only)                            |
|             | 1   | ZZ39511010 | FM/AM Tuner Assembly                             |
| R101        | 1   | RT05104140 | Resistor, Fixed, 100K $\Omega$ , $\frac{1}{4}$ W |
| R102        | 1   | RT05105140 | Resistor, Fixed, 1M $\Omega$ , $\frac{1}{4}$ W   |
| R103        | 1   | RT05563140 | Resistor, Fixed, 56K $\Omega$ , $\frac{1}{4}$ W  |
| R104        | 1   | RT05101140 | Resistor, Fixed, 100 $\Omega$ , $\frac{1}{4}$ W  |
| R105        | 1   | RT05105140 | Resistor, Fixed, 1M $\Omega$ , $\frac{1}{4}$ W   |
| R106        | 1   | RT05222140 | Resistor, Fixed, 2.2K $\Omega$ , $\frac{1}{4}$ W |
| R107        | 1   | RT05101140 | Resistor, Fixed, 100 $\Omega$ , $\frac{1}{4}$ W  |
| R108        | 1   | RT05822140 | Resistor, Fixed, 8.2K $\Omega$ , $\frac{1}{4}$ W |
| R109        | 1   | RT05102140 | Resistor, Fixed, 1K $\Omega$ , $\frac{1}{4}$ W   |
| R110        | 1   | RT05103140 | Resistor, Fixed, 10K $\Omega$ , $\frac{1}{4}$ W  |
| R111        | 1   | RT05101140 | Resistor, Fixed, 100 $\Omega$ , $\frac{1}{4}$ W  |
| R112        | 1   | RT05101140 | Resistor, Fixed, 100 $\Omega$ , $\frac{1}{4}$ W  |
| R113        | 1   | RT05151140 | Resistor, Fixed, 150 $\Omega$ , $\frac{1}{4}$ W  |
| R114        | 1   | RT05152140 | Resistor, Fixed, 1.5K $\Omega$ , $\frac{1}{4}$ W |
| R115        | 1   | RT05151140 | Resistor, Fixed, 150 $\Omega$ , $\frac{1}{4}$ W  |
| R116        | 1   | RT05123140 | Resistor, Fixed, 12K $\Omega$ , $\frac{1}{4}$ W  |
| R117        | 1   | RT05182140 | Resistor, Fixed, 1.8K $\Omega$ , $\frac{1}{4}$ W |
| R118        | 1   | RT05271140 | Resistor, Fixed, 270 $\Omega$ , $\frac{1}{4}$ W  |
| R119        | 1   | RT05152140 | Resistor, Fixed, 1.5K $\Omega$ , $\frac{1}{4}$ W |
| R120        | 1   | RT05273140 | Resistor, Fixed, 27K $\Omega$ , $\frac{1}{4}$ W  |
| R121        | 1   | RT05183140 | Resistor, Fixed, 18K $\Omega$ , $\frac{1}{4}$ W  |
| R122        | 1   | RT05681140 | Resistor, Fixed, 680 $\Omega$ , $\frac{1}{4}$ W  |
| R123        | 1   | RT05333140 | Resistor, Fixed, 33K $\Omega$ , $\frac{1}{4}$ W  |
| R124        | 1   | RT05102140 | Resistor, Fixed, 1K $\Omega$ , $\frac{1}{4}$ W   |
| R125        | 1   | RT05151140 | Resistor, Fixed, 150 $\Omega$ , $\frac{1}{4}$ W  |
| R126        | 1   | RT05471140 | Resistor, Fixed, 470 $\Omega$ , $\frac{1}{4}$ W  |
| R127        | 1   | RT05562140 | Resistor, Fixed, 5.6K $\Omega$ , $\frac{1}{4}$ W |
| R128        | 1   | RT05152140 | Resistor, Fixed, 1.5K $\Omega$ , $\frac{1}{4}$ W |
| R129        | 1   | RT05561140 | Resistor, Fixed, 560 $\Omega$ , $\frac{1}{4}$ W  |
| R130        | 1   | RT05102140 | Resistor, Fixed, 1K $\Omega$ , $\frac{1}{4}$ W   |
| R131        | 1   | RT05393140 | Resistor, Fixed, 39K $\Omega$ , $\frac{1}{4}$ W  |
| R132        | 1   | RT05151140 | Resistor, Fixed, 150 $\Omega$ , $\frac{1}{4}$ W  |
| R133        | 1   | RT05822140 | Resistor, Fixed, 8.2K $\Omega$ , $\frac{1}{4}$ W |
| R134        | 1   | RT05153140 | Resistor, Fixed, 15K $\Omega$ , $\frac{1}{4}$ W  |
| R135        | 1   | RT05102140 | Resistor, Fixed, 1K $\Omega$ , $\frac{1}{4}$ W   |
| R136        | 1   | RT05561140 | Resistor, Fixed, 560 $\Omega$ , $\frac{1}{4}$ W  |
| R137        | 1   | RT05151140 | Resistor, Fixed, 150 $\Omega$ , $\frac{1}{4}$ W  |
| R138        | 1   | RT05151140 | Resistor, Fixed, 150 $\Omega$ , $\frac{1}{4}$ W  |
| R139        | 1   | RT05104140 | Resistor, Fixed, 100K $\Omega$ , $\frac{1}{4}$ W |
| R140        | 1   | RT05153140 | Resistor, Fixed, 15K $\Omega$ , $\frac{1}{4}$ W  |
| R141        | 1   | RT05682140 | Resistor, Fixed, 6.8K $\Omega$ , $\frac{1}{4}$ W |
| R142        | 1   | RT05821140 | Resistor, Fixed, 820 $\Omega$ , $\frac{1}{4}$ W  |
| R143        | 1   | RT05821140 | Resistor, Fixed, 820 $\Omega$ , $\frac{1}{4}$ W  |
| R144        | 1   | RT05821140 | Resistor, Fixed, 820 $\Omega$ , $\frac{1}{4}$ W  |
| R145        | 1   | RT05821140 | Resistor, Fixed, 820 $\Omega$ , $\frac{1}{4}$ W  |
| R146        | 1   | RT05103140 | Resistor, Fixed, 10K $\Omega$ , $\frac{1}{4}$ W  |
| R147        | 1   | RT05103140 | Resistor, Fixed, 10K $\Omega$ , $\frac{1}{4}$ W  |
| R148        | 1   | RT05101140 | Resistor, Fixed, 100 $\Omega$ , $\frac{1}{4}$ W  |
| R149        | 1   | RT05183140 | Resistor, Fixed, 18K $\Omega$ , $\frac{1}{4}$ W  |
| R152        | 1   | RT05105140 | Resistor, Fixed, 1M $\Omega$ , $\frac{1}{4}$ W   |



| REF. DESIG. | QTY | PART NO.   | DESCRIPTION                          |
|-------------|-----|------------|--------------------------------------|
| R153        | 1   | RT05101140 | Resistor, Fixed, 100Ω, ¼W            |
| R154        | 1   | RT05100140 | Resistor, Fixed, 10Ω, ¼W             |
| R155        | 1   | RT05473140 | Resistor, Fixed, 47KΩ, ¼W            |
| R156        | 1   | RT05104140 | Resistor, Fixed, 100KΩ, ¼W           |
| R157        | 1   | RT05273140 | Resistor, Fixed, 27KΩ, ¼W            |
| R167        | 1   | RT05101140 | Resistor, Fixed, 100Ω, ¼W            |
| R168        | 1   | RT05101140 | Resistor, Fixed, 100Ω, ¼W            |
| C201        | 1   | DD11050010 | Capacitor, Ceramic, 5PF, 50V         |
| C202        | 1   | DF65351010 | Capacitor, Film, 350PF, 50V          |
| C203        | 1   | DD15150010 | Capacitor, Ceramic, 15PF, 50V        |
| C204        | 1   | DF17103010 | Capacitor, Film, 0.01μF, 50V         |
| C205        | 1   | DF17103010 | Capacitor, Film, 0.01μF, 50V         |
| C206        | 1   | DF17103010 | Capacitor, Film, 0.01μF, 50V         |
| C207        | 1   | EA10505090 | Capacitor, Electrolytic, 1μF, 50V    |
| C208        | 1   | EA47503590 | Capacitor, Electrolytic, 4.7μF, 35V  |
| C209        | 1   | EA33505090 | Capacitor, Electrolytic, 3.3μF, 50V  |
| C210        | 1   | DK17102010 | Capacitor, Ceramic, 1000PF, 50V      |
| C211        | 1   | DF16822010 | Capacitor, Film, 8200PF, 50V         |
| C212        | 1   | DF17103010 | Capacitor, Film, 0.01μF, 50V         |
| C213        | 1   | EA10701690 | Capacitor, Electrolytic 100μF, 16V   |
| C214        | 1   | DK18403020 | Capacitor, Ceramic, 0.04μF, 25V      |
| C215        | 1   | EV22403560 | Capacitor, Electrolytic, 0.22μF, 35V |
| C216        | 1   | EA10701690 | Capacitor, Electrolytic, 100μF, 16V  |
| C217        | 1   | DK18403020 | Capacitor, Ceramic, 0.04μF, 25V      |
| C218        | 1   | DK17103010 | Capacitor, Ceramic, 0.01μF, 50V      |
| C219        | 1   | DD15250020 | Capacitor, Ceramic, 25PF, 50V        |
| H201        | 1   | HC10003010 | IC, HA1151                           |
| H202        | 1   | HD10003030 | Diode, 1S188FM                       |
| L201        | 1   | LC11240020 | Coil, Choke, AM Antenna              |
| L202        | 1   | LC10010490 | Coil, AM OSC                         |
| L203        | 1   | LI10280030 | IFT, AM                              |
| L204        | 1   | LI10010640 | IFT, AM                              |
| L206        | 1   | LC21050010 | Coil, Choke, AM RF                   |
| R202        | 1   | RT05562140 | Resistor, Fixed, 5.6KΩ, ¼W           |
| R204        | 1   | RA01030250 | Resistor, Trimmer, B, 10KΩ           |
| R205        | 1   | RT05124140 | Resistor, Fixed, 120KΩ, ¼W           |
| R206        | 1   | RT05152140 | Resistor, Fixed, 1.5KΩ, ¼W           |
| R207        | 1   | RT05104140 | Resistor, Fixed, 100KΩ, ¼W           |
| R208        | 1   | RT05103140 | Resistor, Fixed, 10KΩ, ¼W            |
| R209        | 1   | RT05621140 | Resistor, Fixed, 620Ω, ¼W            |
| R210        | 1   | RT05103140 | Resistor, Fixed, 10KΩ, ¼W            |
| R211        | 1   | RT05272140 | Resistor, Fixed, 2.7KΩ, ¼W           |
| R212        | 1   | RT05101140 | Resistor, Fixed, 100Ω, ¼W            |
| R213        | 1   | RT05151140 | Resistor, Fixed, 150Ω, ¼W            |
| R214        | 1   | GJ05561010 | Resistor, Fixed, 560Ω, 1W            |
| R215        | 1   | RT05334140 | Resistor, Fixed, 330KΩ, ¼W           |
| R216        | 1   | RT05473140 | Resistor, Fixed, 47KΩ, ¼W            |
| R217        | 1   | RT05223140 | Resistor, Fixed, 22KΩ, ¼W            |
| R218        | 1   | RT05683140 | Resistor, Fixed, 68KΩ, ¼W            |
| C301        | 1   | EA10601690 | Capacitor, Electrolytic 10μF, 16V    |
| C302        | 1   | DF16222010 | Capacitor, Film, 2200PF, 50V         |
| C304        | 1   | DK18403020 | Capacitor, Ceramic, 0.04μF, 25V      |
| C305        | 1   | DF16332010 | Capacitor, Film, 3300PF, 50V         |
| C306        | 1   | EA10601690 | Capacitor, Electrolytic, 10μF, 16V   |
| C307        | 1   | EA22701690 | Capacitor, Electrolytic, 220μF, 16V  |
| C308        | 1   | EV47403560 | Capacitor, Electrolytic, 0.47μF, 35V |
| C309        | 1   | EV47403560 | Capacitor, Electrolytic, 0.47μF, 35V |
| C310        | 1   | DF16272010 | Capacitor, Film, 2700PF, 50V         |
| C311        | 1   | DF16272010 | Capacitor, Film, 2700PF, 50V         |
| C312        | 1   | DF15332010 | Capacitor, Film, 3300PF, 50V         |
| C313        | 1   | DF15332010 | Capacitor, Film, 3300PF, 50V         |
| C314        | 1   | DF16272010 | Capacitor, Film, 2700PF, 50V         |
| C315        | 1   | DF16272010 | Capacitor, Film, 2700PF, 50V         |
| C316        | 1   | DF55821020 | Capacitor, Film, 820PF, 50V          |
| C317        | 1   | DF55821020 | Capacitor, Film, 820PF, 50V          |
| C318        | 1   | DF15392010 | Capacitor, Film, 3900PF, 50V         |

| REF. DESIG. | QTY | PART NO.   | DESCRIPTION                         |
|-------------|-----|------------|-------------------------------------|
| C319        | 1   | DF15392010 | Capacitor, Film, 3900PF, 50V        |
| C320        | 1   | DF55122020 | Capacitor, Film, 1200PF, 50V        |
| C321        | 1   | DF55472040 | Capacitor, Film, 4700PF, 50V        |
| C323        | 1   | EA10601690 | Capacitor, Electrolytic 10μF, 16V   |
| H301        | 1   | HC10004030 | IC, LA3300                          |
| H302        | 1   | HT308281C0 | Transistor, 2SC828R                 |
| L301        | 1   | LS10290010 | Coil, MPX                           |
| L302        | 1   | LS10290010 | Coil, MPX                           |
| L303        | 1   | LS10290150 | Coil, MPX Low-Pass Filter           |
| L304        | 1   | LS10290150 | Coil, MPX Low-Pass Filter           |
| L305        | 1   | LC22260010 | Coil, Choke Low-Pass Filter         |
| L306        | 1   | LC22260010 | Coil, Choke Low-Pass Filter         |
| R301        | 1   | RA01030250 | Resistor, Trimmer, B, 10KΩ          |
| R304        | 1   | RT05112140 | Resistor, Fixed, 1.1KΩ, ¼W          |
| R305        | 1   | RT05331140 | Resistor, Fixed, 330Ω, ¼W           |
| R306        | 1   | RT05122140 | Resistor, Fixed, 1.2KΩ, ¼W          |
| R307        | 1   | RT05682140 | Resistor, Fixed, 6.8KΩ, ¼W          |
| R308        | 1   | RT05682140 | Resistor, Fixed, 6.8KΩ, ¼W          |
| R311        | 1   | GJ05152010 | Resistor, Fixed, 1.5KΩ, 1W          |
| R312        | 1   | RT05472140 | Resistor, Fixed, 4.7KΩ, ¼W          |
| R313        | 1   | RT05473140 | Resistor, Fixed, 47KΩ, ¼W           |
| R314        | 1   | RT05473140 | Resistor, Fixed, 47KΩ, ¼W           |
| R315        | 1   | RT05562140 | Resistor, Fixed, 5.6KΩ, ¼W          |
| R316        | 1   | RT05562140 | Resistor, Fixed, 5.6KΩ, ¼W          |
| R317        | 1   | RT05334140 | Resistor, Fixed, 330KΩ, ¼W          |
| R318        | 1   | RT05272140 | Resistor, Fixed, 2.7KΩ, ¼W          |
| R319        | 1   | RT05362140 | Resistor, Fixed, 3.6KΩ, ¼W          |
| R320        | 1   | RT05564140 | Resistor, Fixed, 560KΩ, ¼W          |
| C401        | 1   | EV33501660 | Capacitor, Electrolytic, 3.3μF, 16V |
| C402        | 1   | EV33501660 | Capacitor, Electrolytic, 3.3μF, 16V |
| C403        | 1   | DD16101010 | Capacitor, Ceramic, 100PF, 50V      |
| C404        | 1   | DD16101010 | Capacitor, Ceramic, 100PF, 50V      |
| C405        | 1   | EA10701090 | Capacitor, Electrolytic 100μF, 10V  |
| C406        | 1   | EA10701090 | Capacitor, Electrolytic 100μF, 10V  |
| C407        | 1   | DK17102010 | Capacitor, Ceramic, 1000PF, 50V     |
| C408        | 1   | DK17102010 | Capacitor, Ceramic, 1000PF, 50V     |
| C409        | 1   | DF15123010 | Capacitor, Film, 0.012μF, 50V       |
| C410        | 1   | DF15123010 | Capacitor, Film, 0.012μF, 50V       |
| C411        | 1   | DF15332010 | Capacitor, Film, 3300PF, 50V        |
| C412        | 1   | DF15332010 | Capacitor, Film, 3300PF, 50V        |
| C413        | 1   | EA10505090 | Capacitor, Electrolytic, 1μF, 50V   |
| C415        | 1   | EE10505050 | Capacitor, Electrolytic, 1μF, 50V   |
| C416        | 1   | EE10505050 | Capacitor, Electrolytic, 1μF, 50V   |
| C417        | 1   | EA10703590 | Capacitor, Electrolytic, 100μF, 35V |
| H401        | 1   | HC10012060 | IC, UPC1024H                        |
| H402        | 1   | HC10012060 | IC, UPC1024H                        |
| J401        | 1   | YP10001130 | Plug                                |
| J402        | 1   | YP10001130 | Plug                                |
| J403        | 1   | YP10001130 | Plug                                |
| J404        | 1   | YP10001130 | Plug                                |
| J405        | 1   | YP10001130 | Plug                                |
| J406        | 1   | YP10001130 | Plug                                |
| J407        | 1   | YP10001130 | Plug                                |
| J408        | 1   | YP10001130 | Plug                                |
| P400        | 1   | YD38960010 | PW Board (Print Only)               |
|             | 1   | ZZ39512010 | Phono Amp Assembly                  |
| R401        | 1   | RT05102140 | Resistor, Fixed, 1KΩ, ¼W            |
| R402        | 1   | RT05102140 | Resistor, Fixed, 1KΩ, ¼W            |
| R403        | 1   | RT05681140 | Resistor, Fixed, 680Ω, ¼W           |
| R404        | 1   | RT05681140 | Resistor, Fixed, 680Ω, ¼W           |
| R405        | 1   | RT05623140 | Resistor, Fixed, 62KΩ, ¼W           |
| R406        | 1   | RT05623140 | Resistor, Fixed, 62KΩ, ¼W           |
| R407        | 1   | RT05274140 | Resistor, Fixed, 270KΩ, ¼W          |
| R408        | 1   | RT05274140 | Resistor, Fixed, 270KΩ, ¼W          |
| R409        | 1   | RT05184140 | Resistor, Fixed, 180KΩ, ¼W          |

| REF. DESIG. | QTY | PART NO.   | DESCRIPTION                          |
|-------------|-----|------------|--------------------------------------|
| R410        | 1   | RT05184140 | Resistor, Fixed, 180KΩ, ¼W           |
| R411        | 1   | RT05274140 | Resistor, Fixed, 270KΩ, ¼W           |
| R412        | 1   | RT05274140 | Resistor, Fixed, 270KΩ, ¼W           |
| R413        | 1   | RT05223140 | Resistor, Fixed, 22KΩ, ¼W            |
| R414        | 1   | RT05223140 | Resistor, Fixed, 22KΩ, ¼W            |
| R415        | 1   | RT05681140 | Resistor, Fixed, 680Ω, ¼W            |
| R416        | 1   | RT05681140 | Resistor, Fixed, 680Ω, ¼W            |
| R417        | 1   | RT05473140 | Resistor, Fixed, 47KΩ, ¼W            |
| R418        | 1   | RT05473140 | Resistor, Fixed, 47KΩ, ¼W            |
| R419        | 1   | RT05223140 | Resistor, Fixed, 22KΩ, ¼W            |
| R420        | 1   | RT05223140 | Resistor, Fixed, 22KΩ, ¼W            |
| R421        | 1   | RT05221140 | Resistor, Fixed, 220Ω, ¼W            |
| R422        | 1   | RT05184140 | Resistor, Fixed, 180KΩ, ¼W           |
| C701        | 1   | EE33502550 | Capacitor, Electrolytic, 3.3μF, 25V  |
| C702        | 1   | EE33502550 | Capacitor, Electrolytic, 3.3μF, 25V  |
| C703        | 1   | EA47605090 | Capacitor, Electrolytic, 47μF, 50V   |
| C704        | 1   | EA47605090 | Capacitor, Electrolytic, 47μF, 50V   |
| C705        | 1   | EE10703550 | Capacitor, Electrolytic, 100μF, 35V  |
| C706        | 1   | EE10703550 | Capacitor, Electrolytic, 100μF, 35V  |
| C707        | 1   | EA10702590 | Capacitor, Electrolytic, 100μF, 25V  |
| C708        | 1   | EA10702590 | Capacitor, Electrolytic, 100μF, 25V  |
| C709        | 1   | EA10701090 | Capacitor, Electrolytic, 100μF, 10V  |
| C710        | 1   | EA10701090 | Capacitor, Electrolytic, 100μF, 10V  |
| C711        | 1   | DD15121010 | Capacitor, Ceramic, 120PF, 50V       |
| C712        | 1   | DD15121010 | Capacitor, Ceramic, 120PF, 50V       |
| C713        | 1   | DD16500010 | Capacitor, Ceramic, 50PF, 50V        |
| C714        | 1   | DD16500010 | Capacitor, Ceramic, 50PF, 50V        |
| C715        | 1   | DD16101010 | Capacitor, Ceramic, 100PF, 50V       |
| C716        | 1   | DD16101010 | Capacitor, Ceramic, 100PF, 50V       |
| C717        | 1   | DD16101010 | Capacitor, Ceramic, 100PF, 50V       |
| C718        | 1   | DD16101010 | Capacitor, Ceramic, 100PF, 50V       |
| C719        | 1   | DF16104010 | Capacitor, Film, 0.1μF, 50V          |
| C720        | 1   | DF16104010 | Capacitor, Film, 0.1μF, 50V          |
| C721        | 1   | EB22803550 | Capacitor, Electrolytic, 2200μF, 5V  |
| C722        | 1   | EB22803550 | Capacitor, Electrolytic, 2200μF, 35V |
| C723        | 1   | EA10505090 | Capacitor, Electrolytic, 1μF, 50V    |
| C724        | 1   | EA10505090 | Capacitor, Electrolytic, 1μF, 50V    |
| H701        | 1   | HT105641C0 | Transistor, 2SA564R                  |
| H702        | 1   | HT105641C0 | Transistor, 2SA564R                  |
| H703        | 1   | HT313181R0 | Transistor, 2SC1318R                 |
| H704        | 1   | HT313181R0 | Transistor, 2SC1318R                 |
| H705        | 1   | HT308281D0 | Transistor, 2SC828S                  |
| H706        | 1   | HT308281D0 | Transistor, 2SC828S                  |
| H707        | 1   | HT313181R0 | Transistor, 2SC1318R                 |
| H708        | 1   | HT313181R0 | Transistor, 2SC1318R                 |
| H709        | 1   | HT107201R0 | Transistor, 2SA720R                  |
| H710        | 1   | HT107201R0 | Transistor, 2SA720R                  |
| H711        | 1   | HT403132A0 | Transistor, 2SD313D, E               |
| H712        | 1   | HT403132A0 | Transistor, 2SD313D, E               |
| R713        | 1   | HT205072A0 | Transistor, 2SB507D, E               |
| R714        | 1   | HT205072A0 | Transistor, 2SB507D, E               |
| J701        | 1   | YP10001130 | Plug                                 |
| J702        | 1   | YP10001130 | Plug                                 |
| J703        | 1   | YP10001130 | Plug                                 |
| J704        | 1   | YP10001130 | Plug                                 |
| J705        | 1   | YP10001130 | Plug                                 |
| J706        | 1   | YP10001130 | Plug                                 |
| J707        | 1   | YP10001130 | Plug                                 |
| M701        | 1   | IN10060390 | Lamp                                 |
| M702        | 1   | IN10060390 | Lamp                                 |
| P700        | 1   | YD39171032 | PW Board (Print Only)                |
|             | 1   | ZZ39511030 | Main Amp Assembly                    |
| R701        | 1   | RT05104140 | Resistor, Fixed, 100KΩ, ¼W           |
| R702        | 1   | RT05104140 | Resistor, Fixed, 100KΩ, ¼W           |

| REF. DESIG. | QTY | PART NO.   | DESCRIPTION                         |
|-------------|-----|------------|-------------------------------------|
| R703        | 1   | RT05102140 | Resistor, Fixed, 1KΩ, ¼W            |
| R704        | 1   | RT05102140 | Resistor, Fixed, 1KΩ, ¼W            |
| R705        | 1   | RT05114140 | Resistor, Fixed, 110KΩ, ¼W          |
| R706        | 1   | RT05114140 | Resistor, Fixed, 110KΩ, ¼W          |
| R707        | 1   | RT05273140 | Resistor, Fixed, 27KΩ, ¼W           |
| R708        | 1   | RT05273140 | Resistor, Fixed, 27KΩ, ¼W           |
| R709        | 1   | RT05134140 | Resistor, Fixed, 130KΩ, ¼W          |
| R710        | 1   | RT05134140 | Resistor, Fixed, 130KΩ, ¼W          |
| R711        | 1   | RT05562140 | Resistor, Fixed, 5.6KΩ, ¼W          |
| R712        | 1   | RT05562140 | Resistor, Fixed, 5.6KΩ, ¼W          |
| R713        | 1   | RT05121140 | Resistor, Fixed, 120Ω, ¼W           |
| R714        | 1   | RT05121140 | Resistor, Fixed, 120Ω, ¼W           |
| R715        | 1   | RT05820140 | Resistor, Fixed, 82Ω, ¼W            |
| R716        | 1   | RT05820140 | Resistor, Fixed, 82Ω, ¼W            |
| R717        | 1   | RT05272140 | Resistor, Fixed, 2.7KΩ, ¼W          |
| R718        | 1   | RT05272140 | Resistor, Fixed, 2.7KΩ, ¼W          |
| R719        | 1   | RT05391140 | Resistor, Fixed, 390Ω, ¼W           |
| R720        | 1   | RT05391140 | Resistor, Fixed, 390Ω, ¼W           |
| R721        | 1   | RT05332140 | Resistor, Fixed, 3.3KΩ, ¼W          |
| R722        | 1   | RT05332140 | Resistor, Fixed, 3.3KΩ, ¼W          |
| R723        | 1   | RT05682140 | Resistor, Fixed, 6.8KΩ, ¼W          |
| R724        | 1   | RT05682140 | Resistor, Fixed, 6.8KΩ, ¼W          |
| R725        | 1   | RT05222140 | Resistor, Fixed, 2.2KΩ, ¼W          |
| R726        | 1   | RT05222140 | Resistor, Fixed, 2.2KΩ, ¼W          |
| R727        | 1   | RT05681140 | Resistor, Fixed, 680Ω, ¼W           |
| R728        | 1   | RT05681140 | Resistor, Fixed, 680Ω, ¼W           |
| R729        | 1   | RT05100140 | Resistor, Fixed, 10Ω, ¼W            |
| R730        | 1   | RT05100140 | Resistor, Fixed, 10Ω, ¼W            |
| R731        | 1   | GF05471140 | Resistor, Fixed, 470Ω, ¼W           |
| R732        | 1   | GF05471140 | Resistor, Fixed, 470Ω, ¼W           |
| R733        | 1   | GF05068140 | Resistor, Fixed, 6.8Ω, ¼W           |
| R734        | 1   | GF05068140 | Resistor, Fixed, 6.8Ω, ¼W           |
| R735        | 1   | GK05472020 | Resistor, Fixed, 0.47Ω, 2W          |
| R736        | 1   | GK05472020 | Resistor, Fixed, 0.47Ω, 2W          |
| R737        | 1   | GK05472020 | Resistor, Fixed, 0.47Ω, 2W          |
| R738        | 1   | GK05472020 | Resistor, Fixed, 0.47Ω, 2W          |
| R739        | 1   | GF05100120 | Resistor, Fixed, 10Ω, ½W            |
| R740        | 1   | GF05100120 | Resistor, Fixed, 10Ω, ½W            |
| R743        | 1   | RT05683140 | Resistor, Fixed, 68KΩ, ¼W           |
| R744        | 1   | RT05683140 | Resistor, Fixed, 68KΩ, ¼W           |
| R745        | 1   | RC10221120 | Resistor, Fixed, 220Ω, ½W           |
| R746        | 1   | RC10221120 | Resistor, Fixed, 220Ω, ½W           |
| C801        | 1   | DK18103510 | Capacitor, Ceramic, 0.01μF, 500V    |
| C802        | 1   | DK18103510 | Capacitor, Ceramic, 0.01μF, 500V    |
| C803        | 1   | EB33805030 | Capacitor, Electrolytic,3300μF, 50V |
| C804        | 1   | EA33705090 | Capacitor, Electrolytic,330μF,50V   |
| C805        | 1   | EA33703590 | Capacitor, Electrolytic,330μF,35V   |
| C806        | 1   | EA22701690 | Capacitor, Electrolytic,220μF,16V   |
| C807        | 1   | EA22705090 | Capacitor, Electrolytic,220μF,50V   |
| C808        | 1   | EA10705090 | Capacitor, Electrolytic,100μF,50V   |
| C809        | 1   | DK18403010 | Capacitor, Ceramic, 0.04μF, 50V     |
| C810        | 1   | EA10701690 | Capacitor, Electrolytic,100μF,16V   |
| H801        | 1   | HT314072B0 | Transistor, 2SC1407Q, R             |
| H802        | 1   | HD20004170 | Diode, LR1009                       |
| H803        | 1   | HD20004170 | Diode, LR1009                       |
| H804        | 1   | HD20004170 | Diode, LR1009                       |
| H805        | 1   | HD20004170 | Diode, LR1009                       |
| H806        | 1   | HD20013100 | Diode, 10D-1                        |
| H807        | 1   | HD20013100 | Diode, 10D-1                        |
| H808        | 1   | HD20013100 | Diode, 10D-1                        |
| H809        | 1   | HD30027090 | Zener, WZ-140                       |
| J801        | 1   | YP10001130 | Plug                                |
| J802        | 1   | YP10001130 | Plug                                |
| J803        | 1   | YP10001130 | Plug                                |
| J804        | 1   | YP10001130 | Plug                                |



| REF. DESIG. | QTY | PART NO.   | DESCRIPTION |
|-------------|-----|------------|-------------|
| J805        | 1   | YP10001130 | Plug        |
| J806        | 1   | YP10001130 | Plug        |
| J807        | 1   | YP10001130 | Plug        |
| J808        | 1   | YP10001130 | Plug        |
| J809        | 1   | YP10001130 | Plug        |
| J810        | 1   | YP10001130 | Plug        |
| J811        | 1   | YP10001130 | Plug        |
| J812        | 1   | YP10001130 | Plug        |
| J813        | 1   | YP10001130 | Plug        |
| J814        | 1   | YP10001130 | Plug        |

| REF. DESIG. | QTY | PART NO.   | DESCRIPTION                |
|-------------|-----|------------|----------------------------|
| P800        | 1   | YD39171042 | PW Board (Print Only)      |
|             | 1   | ZZ39511040 | Power Supply Assembly      |
| R801        | 1   | GJ05331030 | Resistor, Fixed, 330Ω, 3W  |
| R802        | 1   | GJ05221020 | Resistor, Fixed, 220Ω, 2W  |
| R803        | 1   | RC10560120 | Resistor, Fixed, 56Ω, ¼W   |
| R804        | 1   | RT05183140 | Resistor, Fixed, 18KΩ, ¼W  |
| R805        | 1   | RT05184140 | Resistor, Fixed, 180KΩ, ¼W |
| R806        | 1   | RC10100120 | Resistor, Fixed, 10Ω, ¼W   |