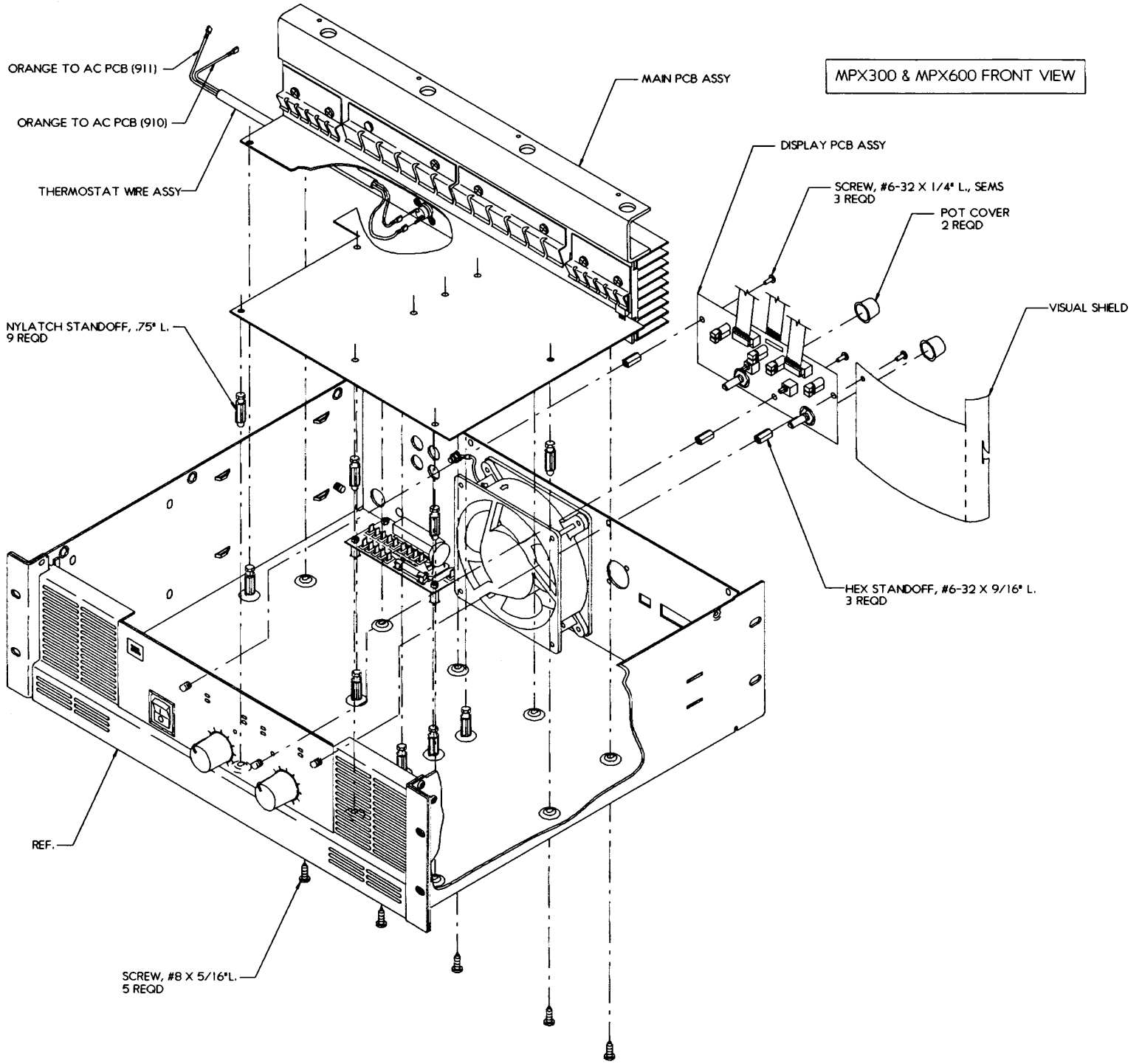
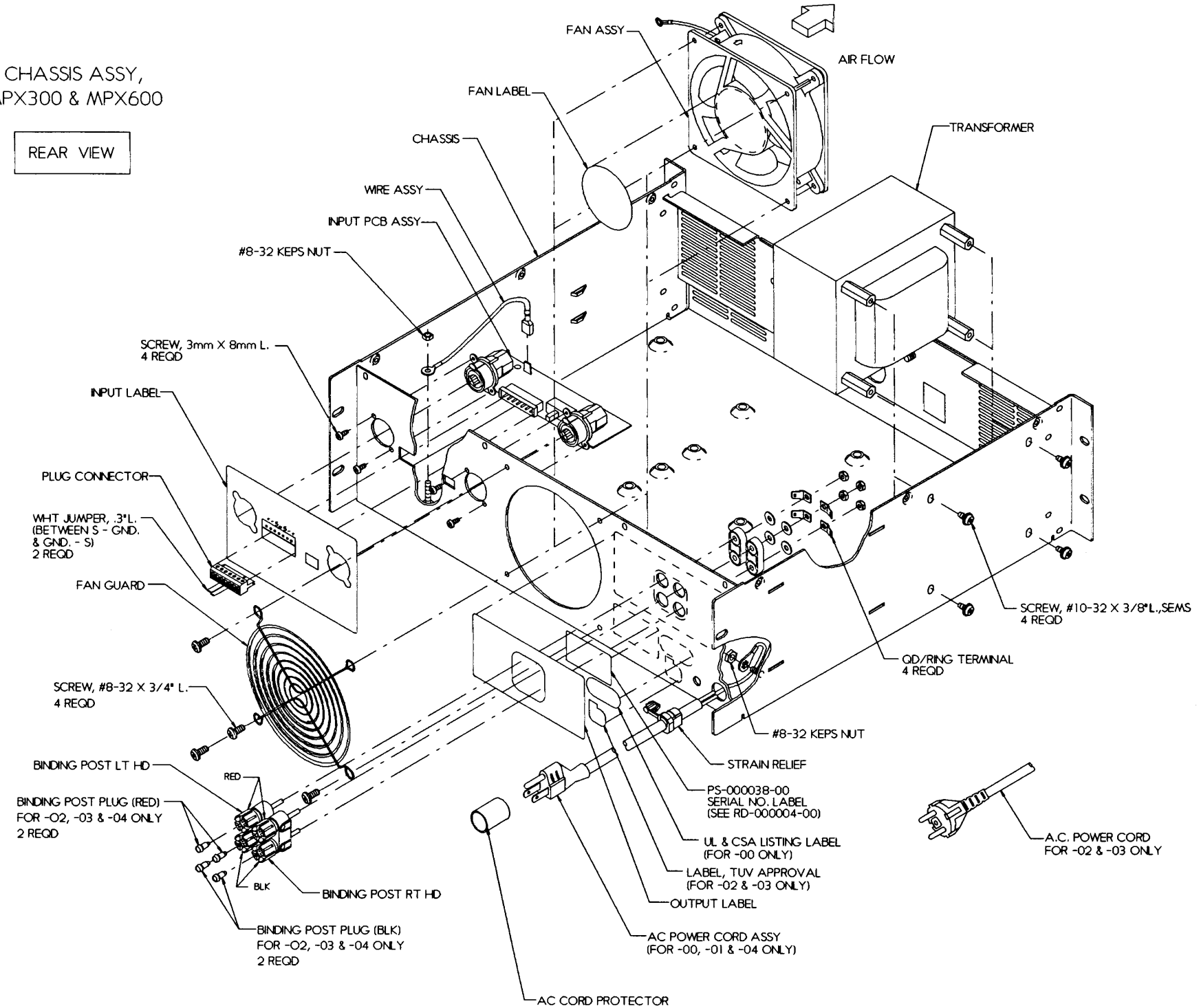
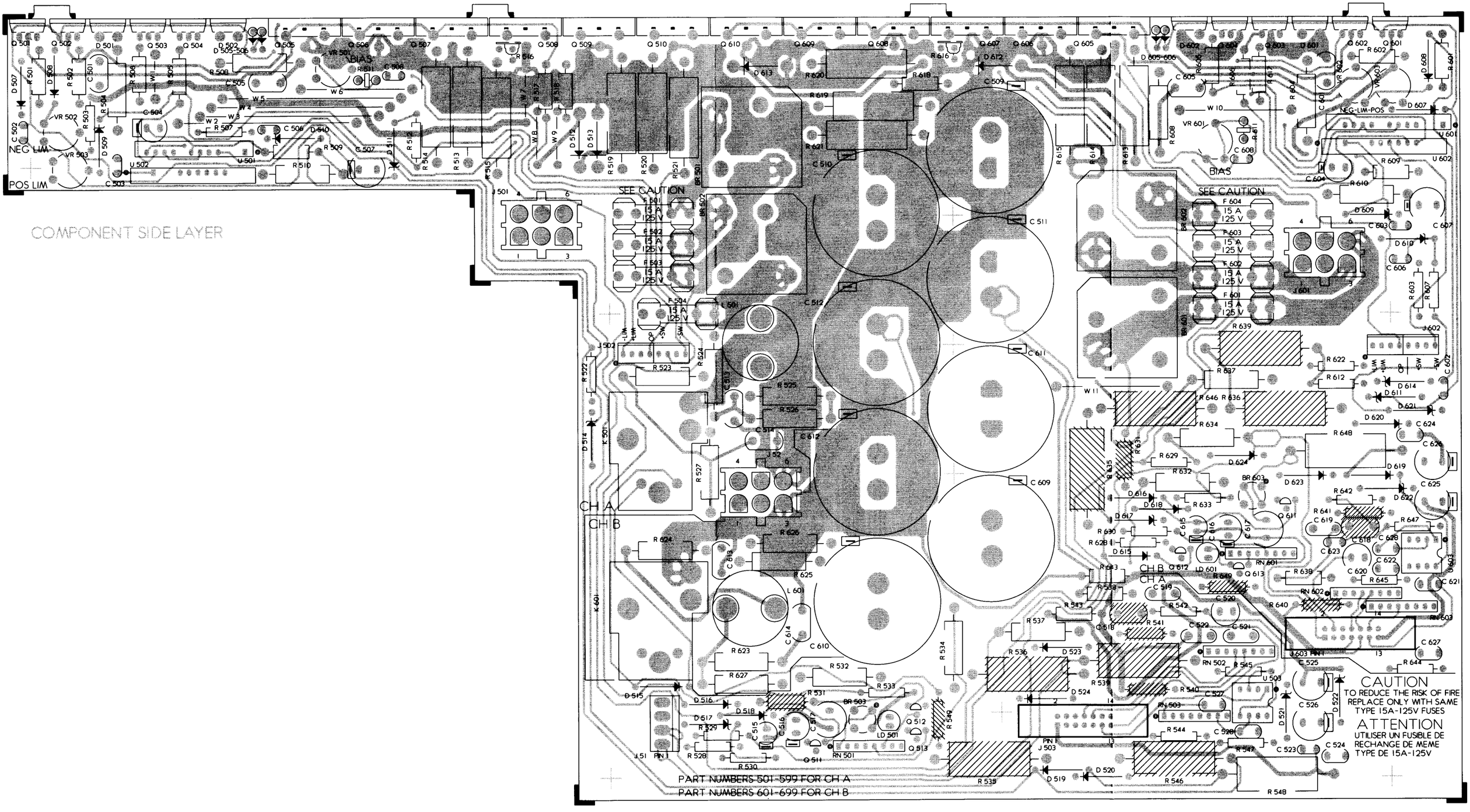

MPX300 & MPX600 FRONT VIEW
ORANGE TO AC PCB (911)
ORANGE TO AC PCB (910)
THERMOSTAT WIRE ASSY
MAIN PCB ASSY
DISPLAY PCB ASSY
SCREW, #6-32 X 1/4" L., SEMS
3 REQD
POT COVER
2 REQD
VISUAL SHIELD
NYLATCH STANDOFF, .75" L.
9 REQD
HEX STANDOFF, #6-32 X 9/16" L.
3 REQD
REF.
SCREW, #8 X 5/16"L.
5 REQD

CHASSIS ASSY, MPX300 & MPX600

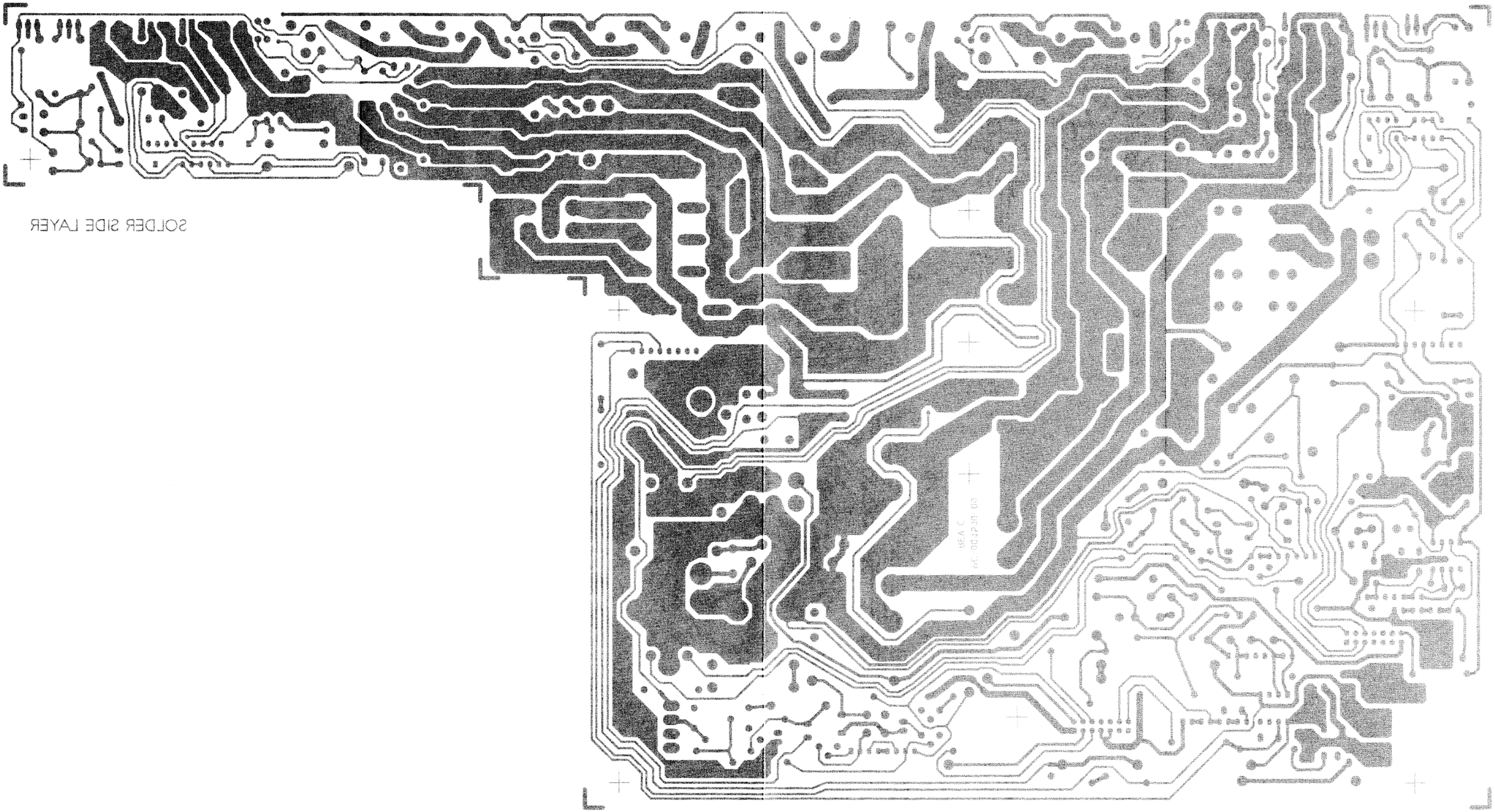
REAR VIEW



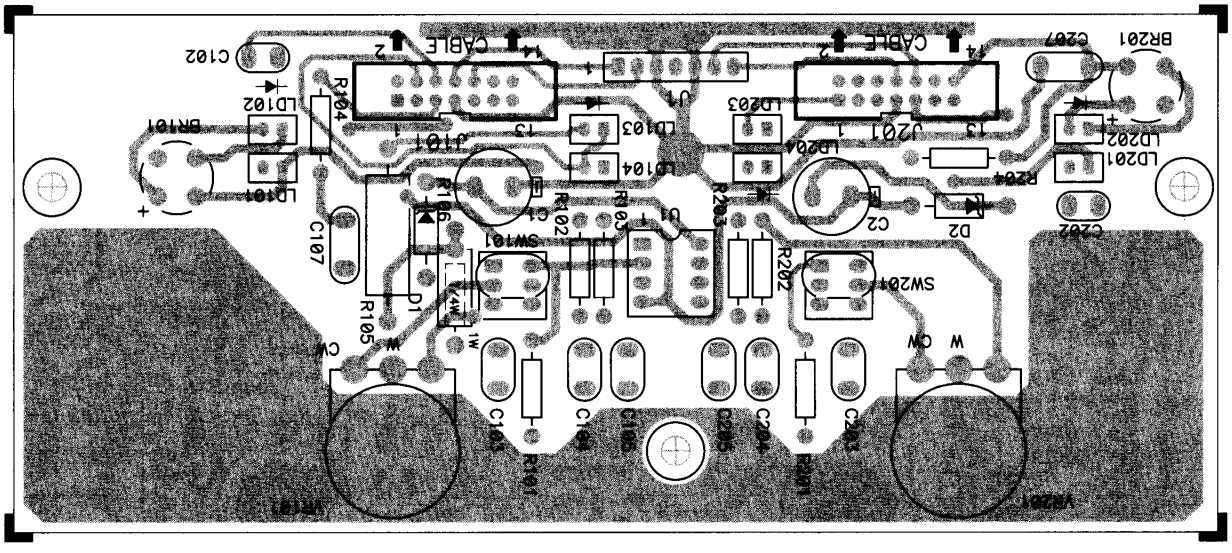
MPX 300 & MPX 600 Main Board
Component Side



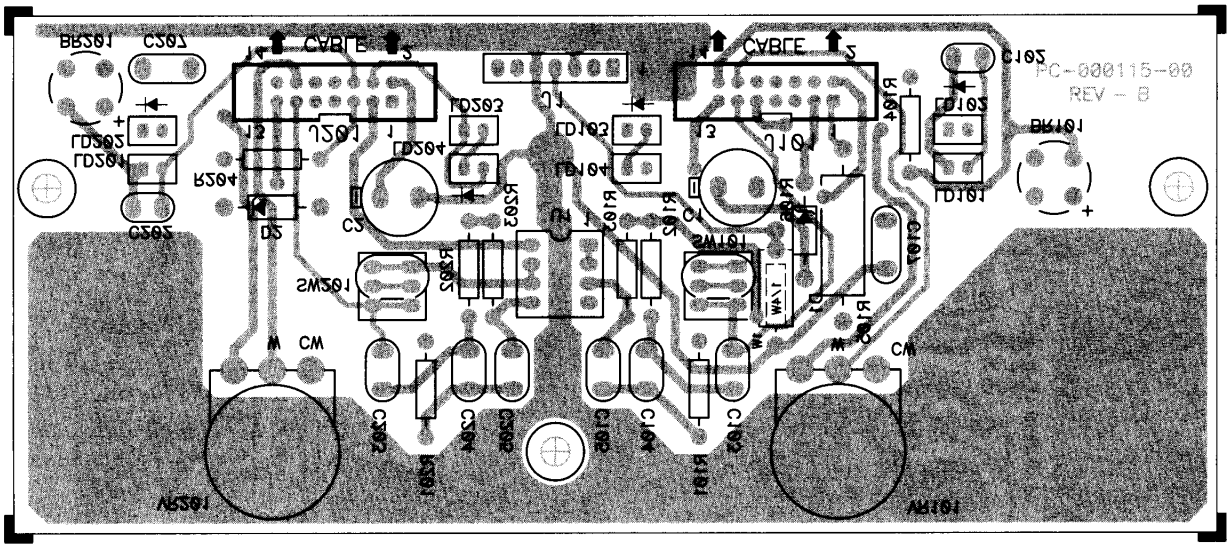
MPX 300 & MPX 600 Main Board
Solder Side



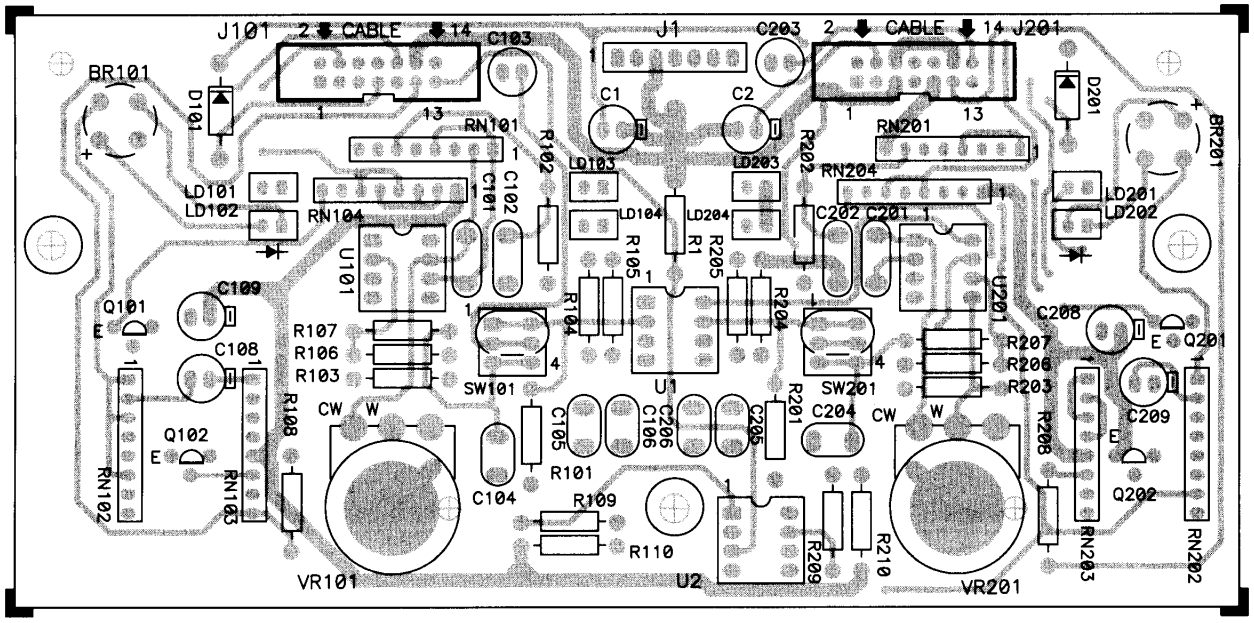
MPX 300 & MPX 600 Display Board
Component Side



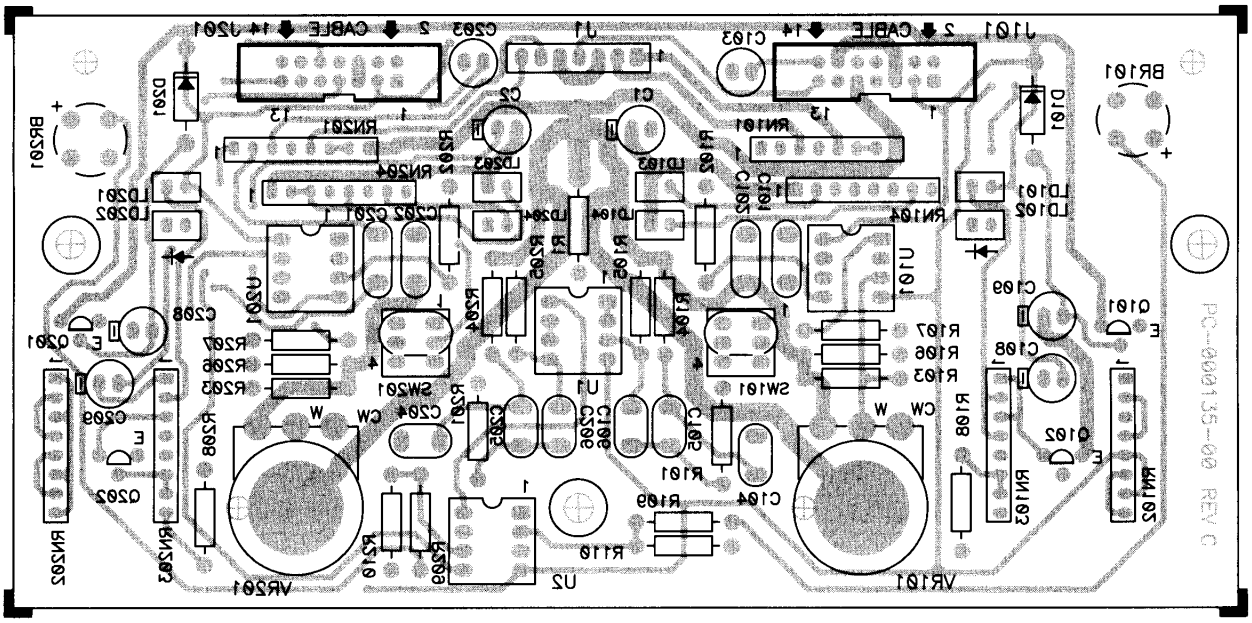
MPX 300 & MPX 600 Display Board
Solder Side



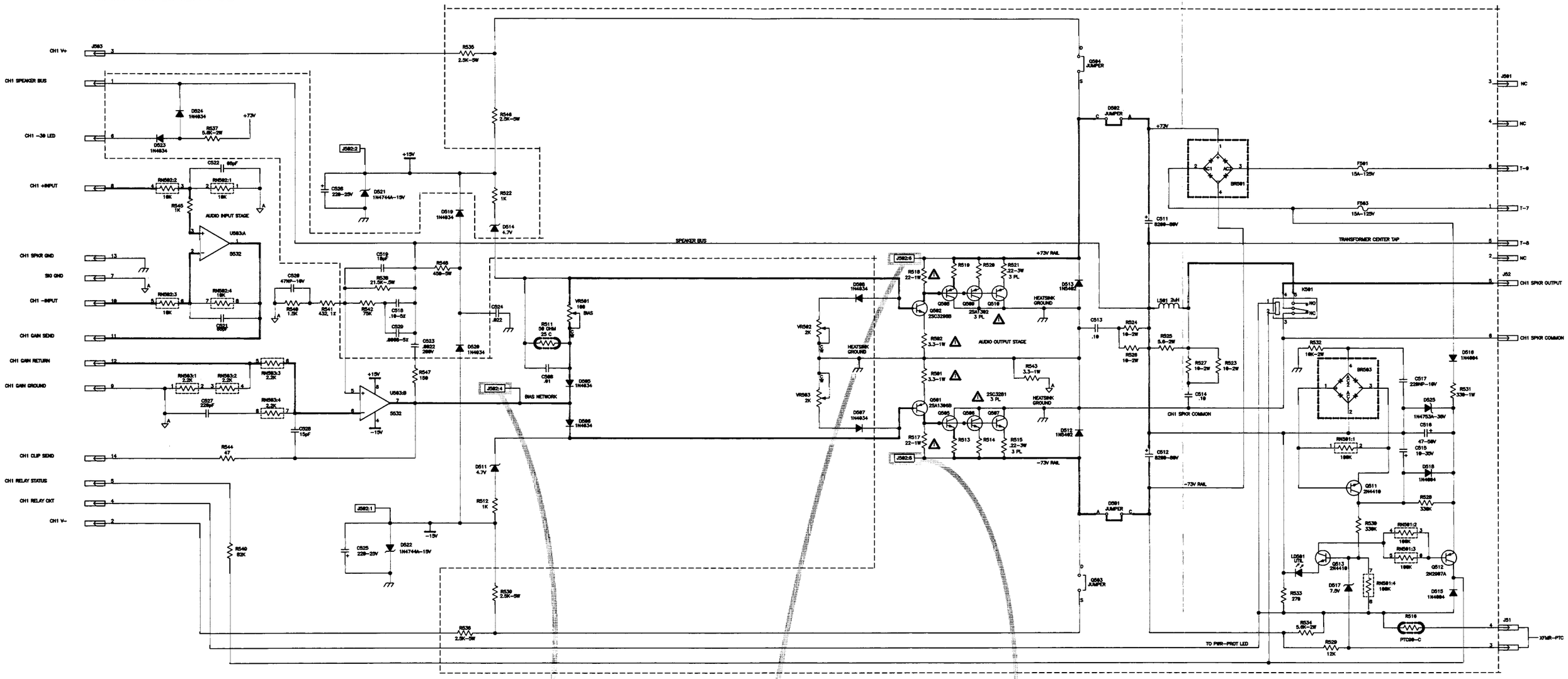
MPX 1200 Display Board
Component Side

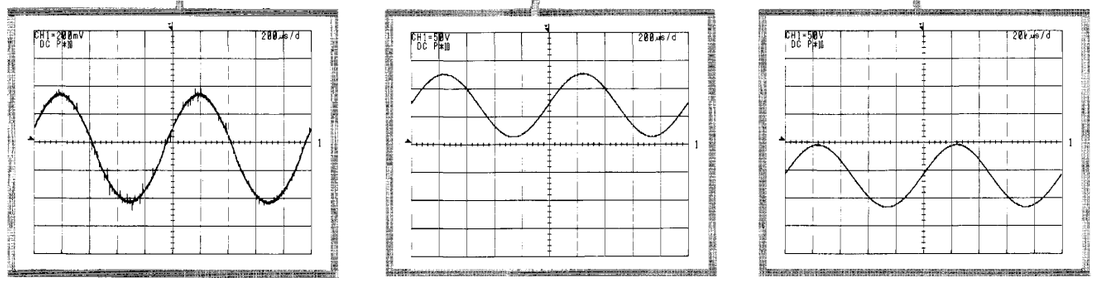


MPX 1200 Display Board
Solder Side



SCHEMATIC DIAGRAM, MPX 300
MAIN AMPLIFIER PCB

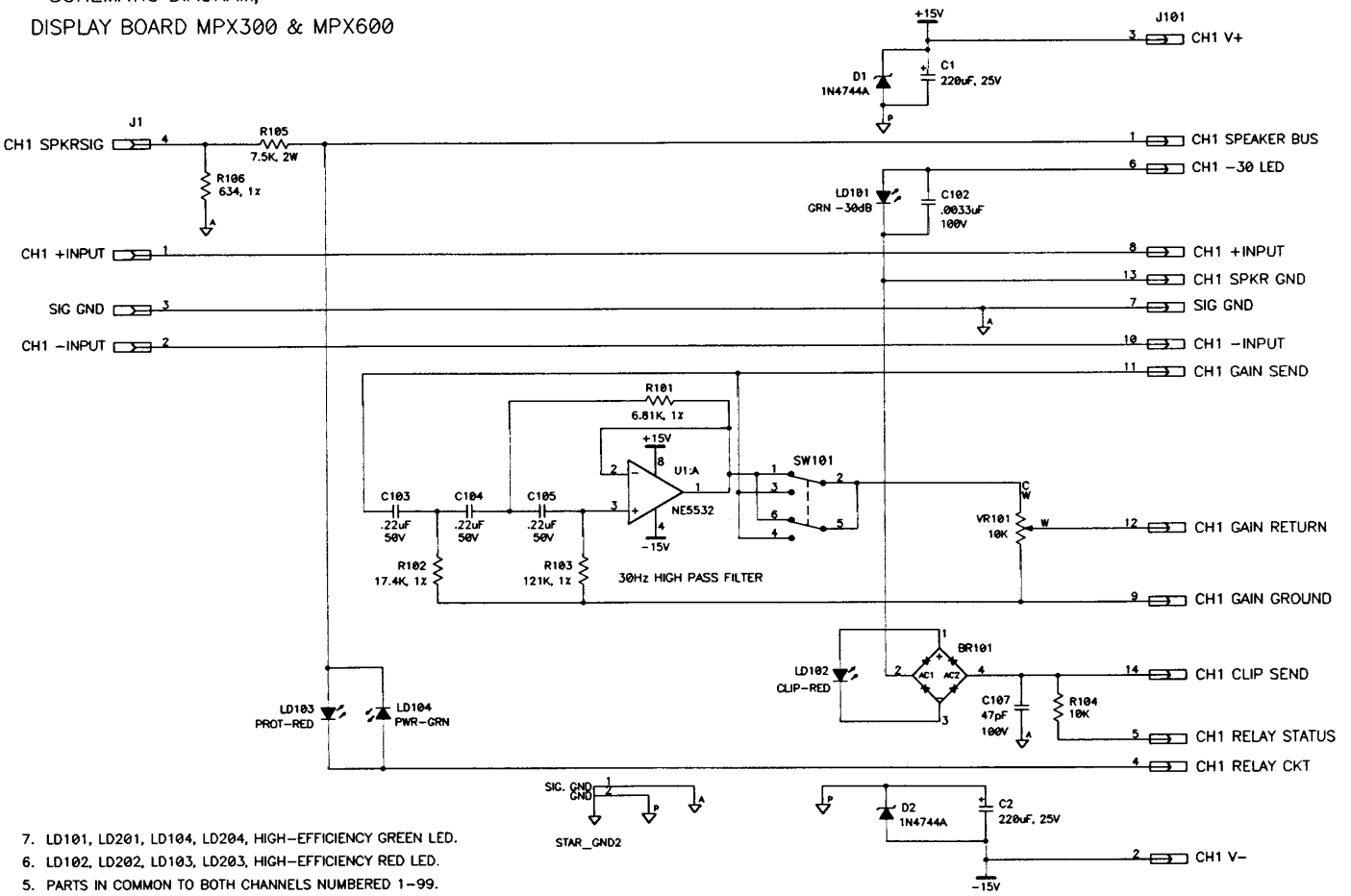




8. PARTS ENCLOSED WITHIN DOTTED OUTLINE ---------- HAVE VOLTAGES GREATER THAN 42V.
7. PARTS MARKED WITH TRIANGLE ⚠ MUST BE REPLACED WITH EXACT TYPE ONLY.
6. BRIDGE RECTIFIER BR 503, 603, 1.5A, 100V.
5. ⚠ ZENERS D517, 617, MARKED 7.5V, LOW LEAKAGE, JBL P/N QD–0007.5–ZT
4. ⚠ R516, 616 IS POSITIVE TEMPERATURE COEFFICIENT RESISTOR, MTD TO HEAT SINK. RESISTANCE 100 OHM COLD, RISING AT 85 C. JBL P/N RE–000009–PT
3. ALL CAPACITORS 100V UNLESS OTHERWISE NOTED. TOLERANCE 20% FOR ELECTROLYTIC TYPES, 10% ON OTHER TYPES.
2. ALL RESISTORS 1/4–WATT, 5% UNLESS NOTED.
1. CH2 IS IDENTICAL TO CH1, EXCEPT PART NUMBER SEQUENCE R 601, 602 ETC.

NOTES UNLESS OTHERWISE SPECIFIED

SCHEMATIC DIAGRAM,
DISPLAY BOARD MPX300 & MPX600

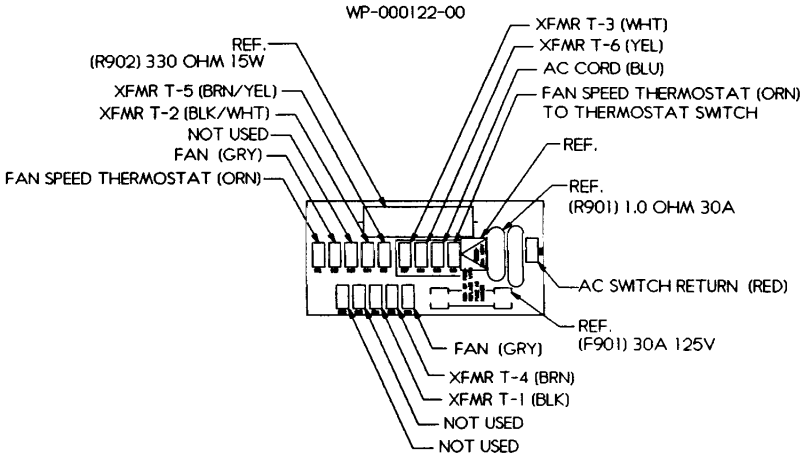


7. LD101, LD201, LD104, LD204, HIGH-EFFICIENCY GREEN LED.
6. LD102, LD202, LD103, LD203, HIGH-EFFICIENCY RED LED.
5. PARTS IN COMMON TO BOTH CHANNELS NUMBERED 1-99.
4. CH 2 COMPONENTS NUMBERED 201-299.
3. CH 1 COMPONENTS NUMBERED 101-199.
2. ALL RESISTORS IN OHMS 1/4 WATT, ±5%.
1. ALL CAPACITORS IN uF, 25V.

NOTES: UNLESS OTHERWISE SPECIFIED

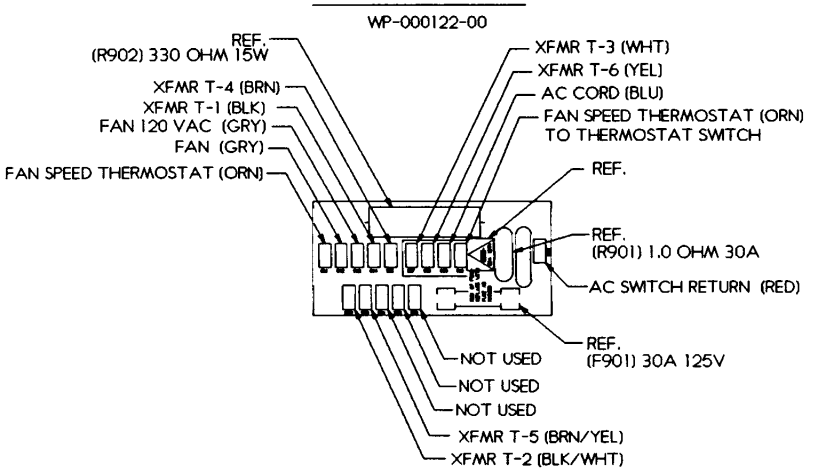
100 VOLT

WP-000122-00



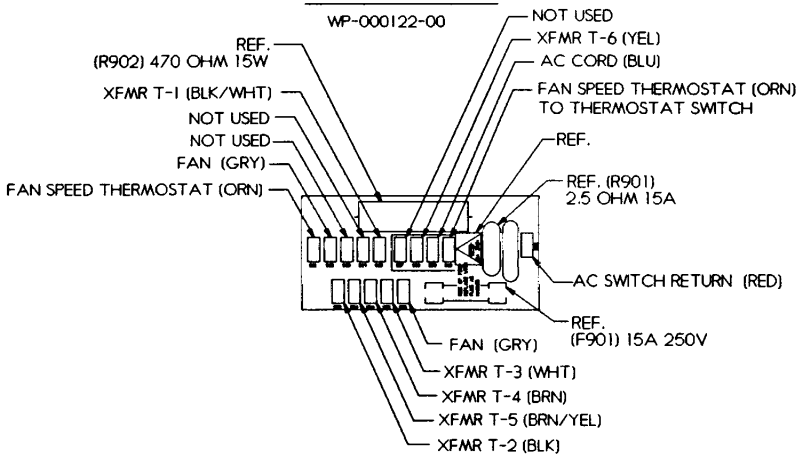
120 VOLT

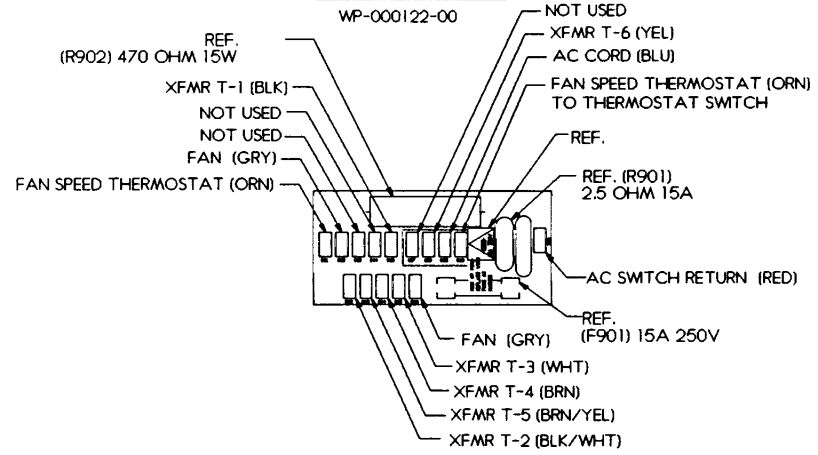
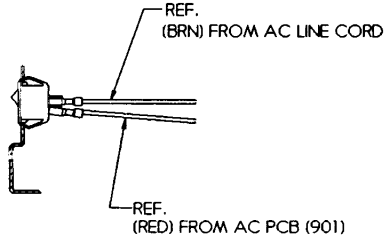
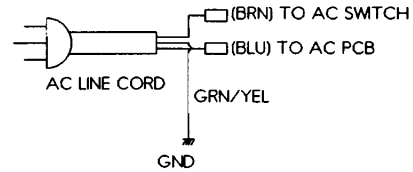
WP-000122-00



220 VOLT

WP-000122-00



230 VOLT

WP-000122-00