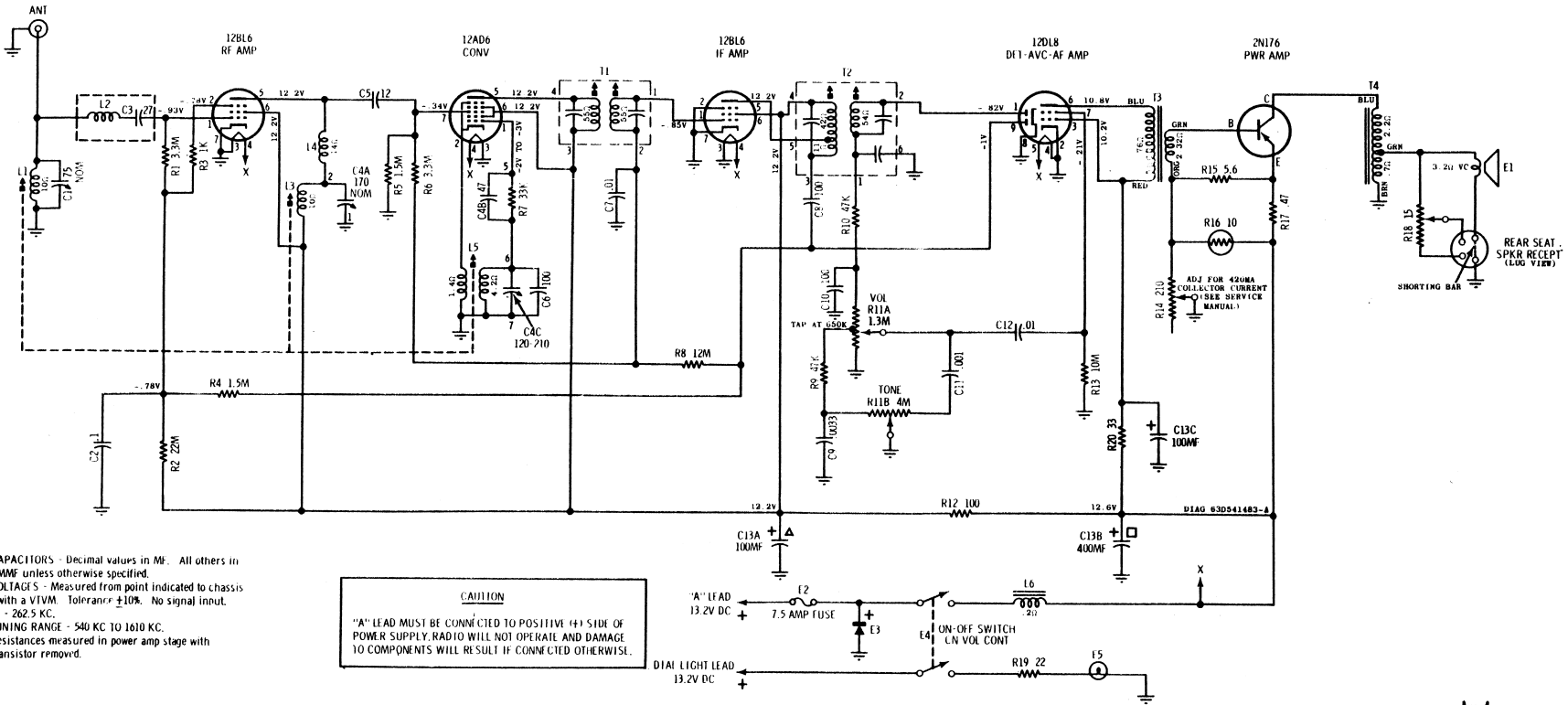
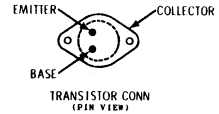
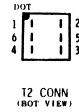
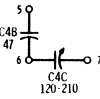
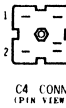
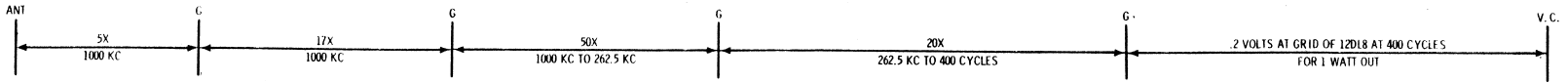


MODEL 853 SCHEMATIC DIAGRAM



NOTES

CAPACITORS - Decimal values in MF. All others in MMF unless otherwise specified.  
 VOLTAGES - Measured from point indicated to chassis with a VTVM. Tolerance  $\pm 10\%$ . No signal input.  
 IF - 262.5 KC.  
 TUNING RANGE - 540 KC TO 1610 KC.  
 Resistances measured in power amp stage with transistor removed.

**CAUTION**  
 "A" LEAD MUST BE CONNECTED TO POSITIVE (+) SIDE OF POWER SUPPLY. RADIO WILL NOT OPERATE AND DAMAGE TO COMPONENTS WILL RESULT IF CONNECTED OTHERWISE.

# GENERAL INFORMATION

M3

This supplement covers production changes, supplementary replacement parts list and partial Model 853 schematic. For all other information, refer to the 852, 853 and 854 service manual, Motorola Part No. 68P560322.

## PRODUCTION CHANGES (853 ONLY)

TO REDUCE MOTOR NOISE (See partial schematic)

R-12 (100 ohms) is changed to 390 ohms.

R-17 (.47 ohms) required.

R-21 (270 ohms) added in 12DL8 accelerating grid circuit.

C-13 Electrolytic capacitor increased in value from 100-100-400MF/16V (Part No. 23B542329) to 100-100-500MF/16V (Part No. 23B560487). (See supplementary replacement parts list.)

C-14 (.1 mf) added across selenium plate (E3) in input "A" lead circuit.

L-6 changed from two lead choke (Part No. 25K560752) to three lead tapped choke (Part No. 25C561000). (See supplementary replacement parts list)

