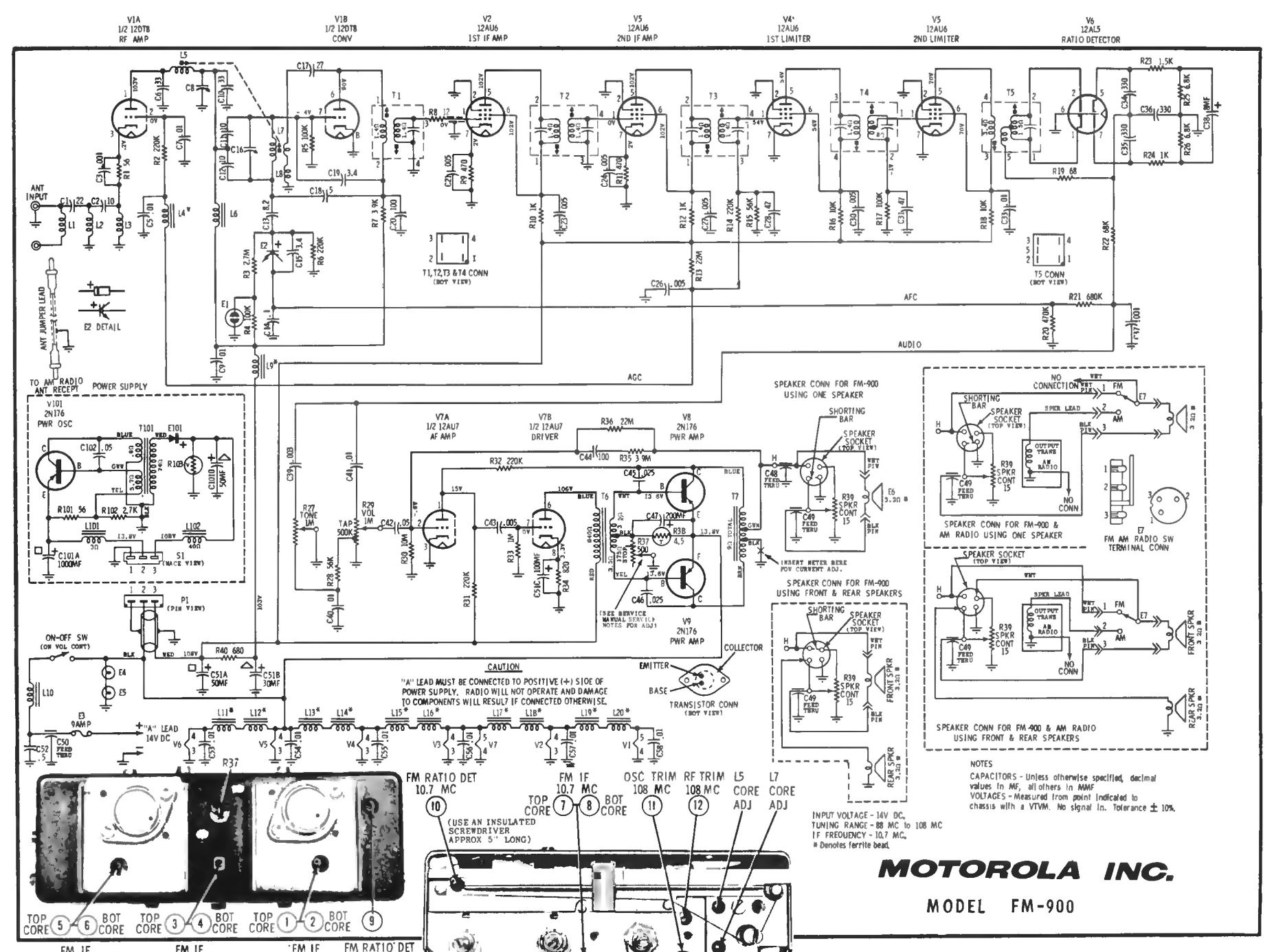
V1A 1/2 12DT8 RF AMP
V1B 1/2 12DT8 CONV
V2 12AU6 1ST IF AMP
V3 12AU6 2ND IF AMP
V4 12AU6 1ST LIMITER
V5 12AU6 2ND LIMITER
V6 12AL5 RATIO DETECTOR
ANT INPUT
ANT JUMPER LEAD
E2 DETAIL
TO AM RADIO ANT RECEPT
POWER SUPPLY
V10 2N176 PWR OSC
ON-OFF SW (ON VOL CONT)
"A" LEAD 14V DC
T1,T2,T3 & T4 CONN (BOT VIEW)
T5 CONN (BOT VIEW)
AFC
AUDIO
AGC
V7A 1/2 12AU7 AF AMP
V7B 1/2 12AU7 DRIVER
V8 2N176 PWR AMP
V9 2N176 PWR AMP
TAP 500K
(SEE SERVICE MANUAL SERVICE NOTES FOR ADJ)
INSERT METER HERE FOR CURRENT ADJ.
SPEAKER CONN FOR FM-900 USING ONE SPEAKER
SPEAKER CONN FOR FM-900 & AM RADIO USING ONE SPEAKER
FM AM RADIO SW TERMINAL CONN
SPEAKER CONN FOR FM-900 USING FRONT & REAR SPEAKERS
SPEAKER CONN FOR FM-900 & AM RADIO USING FRONT & REAR SPEAKERS
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.
TRANSISTOR CONN (BOT VIEW)
EMITTER
BASE
COLLECTOR
FM RATIO DET 10.7 MC
FM IF 10.7 MC
OSC TRIM 108 MC
RF TRIM 108 MC
L5 CORE ADJ
L7 CORE ADJ
TOP CORE
BOT CORE
(USE AN INSULATED SCREWDRIVER APPROX 5" LONG)
NOTES
CAPACITORS - Unless specified, decimal values in MF, all others in MMF
VOLTAGES - Measured from point indicated to chassis with a VTVM. No signal in. Tolerance ± 10%.
INPUT VOLTAGE - 14V DC.
TUNING RANGE - 88 MC to 108 MC
IF FREQUENCY - 10.7 MC.
* Denotes ferrite bead.
MOTOROLA INC.
MODEL FM-900