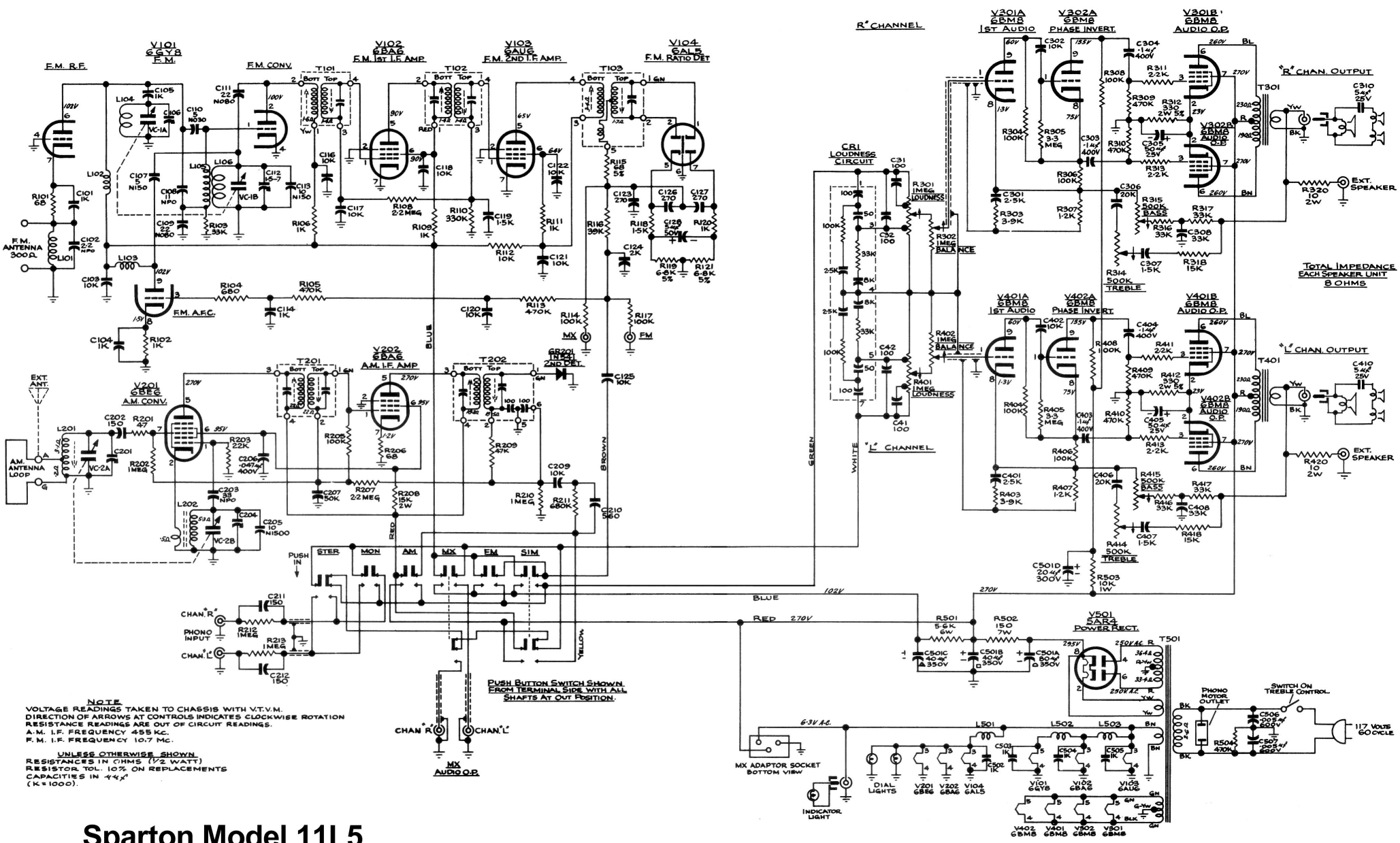


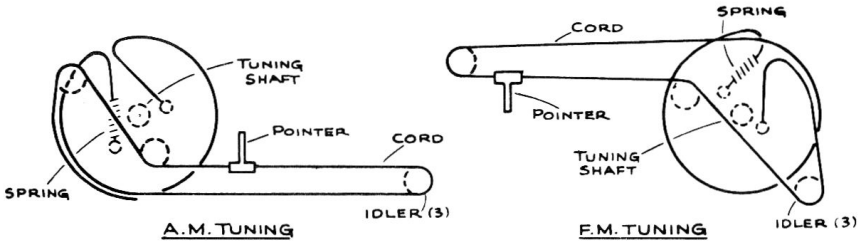
NOTE

VOLTAGE READINGS TAKEN TO CHASSIS WITH V.T.V.M.
DIRECTION OF ARROWS AT CONTROLS INDICATES CLOCKWISE ROTATION
RESISTANCE READINGS ARE OUT OF CIRCUIT READINGS.
A.M. I.F. FREQUENCY 455 Kc.
F.M. I.F. FREQUENCY 10.7 Mc.

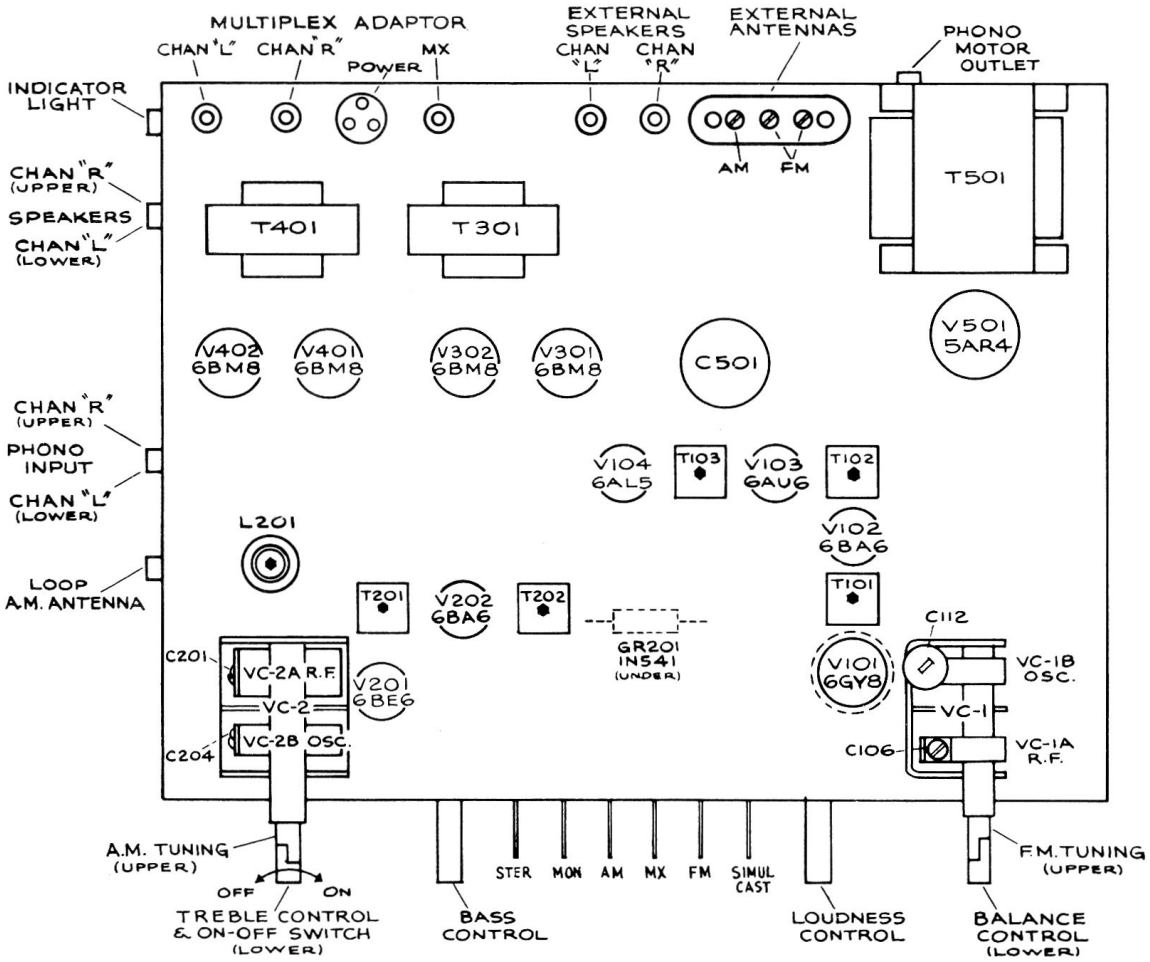
UNLESS OTHERWISE SHOWN
RESISTANCES IN OHMS (½ WATT)
RESISTOR TOL. 10% ON REPLACEMENTS
CAPACITIES IN MFD
(K=1000).

Sparton Model 11L5

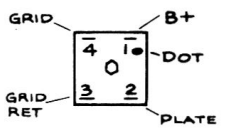
Sparton 11L5 General Information



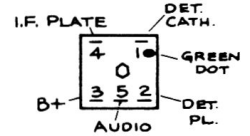
DIAL CORD ARRANGEMENT
FRONT VIEW - SELECTOR CLOSED



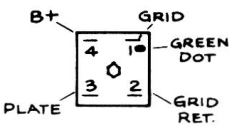
TOP VIEW OF CHASSIS



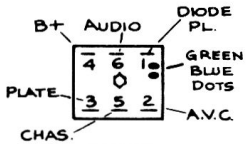
T101 - 1ST YW. DOT
T102 - 2ND RED DOT
F.M. I.F. TRANS.



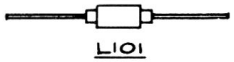
T103
RATIO DET. TRANS.



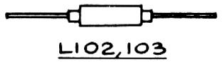
T201
NO. 1 I.F. TRANS
A.M.



T202
NO. 2 I.F. TRANS
A.M.



L101
ANTENNA CHOKE

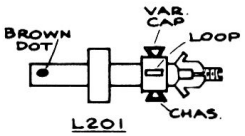


L102, 103
R.F. PLATE CHOKE

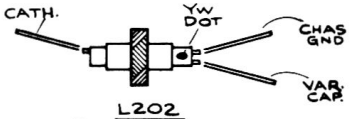
L104
F.M. R.F. COIL

L105
FEEDBACK CHOKE

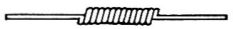
L106
F.M. OSC. COIL



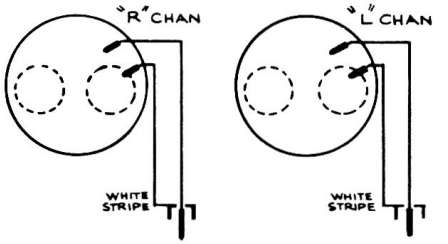
L201
ANTENNA COIL ASSEM.



L202
BC. OSC. COIL



L501, 502, 503
FILAMENT CHOKE



SPEAKER PHASING
SHOWN FROM REAR OF CABINET

FM Alignment

At least 15 minute warm-up should be allowed before adjustments are made.

Depress FM Push Button.

1. Set Signal Generator to 10.7 mcs. with 30% AM modulation at 400 cycles. Apply signal to grid of V103 through .01 mfd capacitor. Set VTVM on low DC range and connect between chassis and negative end of C128.
2. Adjust bottom of T103 for maximum reading with a minimum of signal applied.
3. Connect VTVM between chassis and junction of R116 and C124. With maximum signal applied adjust top of T103 for zero meter reading. Reading can be swung positive and negative from this setting.
4. Clip Signal Generator lead to body of C110 and VTVM as in Step 1 and adjust top and bottom of T102 and top and bottom of T101 for maximum reading with minimum of signal.
5. Connect FM Signal Generator (with 400 cycles modulation at 22.5 Kc deviation) to FM antenna terminals. Set Generator and Receiver to 105 mcs and adjust FM oscillator trimmer C112 to set oscillator.
6. Adjust RF Trimmer C106 for maximum output at 105 mcs.

AM Alignment

At least 15 minute warm-up should be allowed before adjustments are made.

Depress AM Push Button (Remove AM loop to reduce pick-up noise.)

1. Connect Signal Generator, set at 455 Kcs; to AM Antenna terminals, connect output meter across speaker voice coil on either "L" or "R" channel.
2. Detune T201 top by turning top slug out a couple of turns. Set tuning capacitor to minimum capacity and adjust IF transformer T202 bottom, then top; T201 bottom then top for maximum output. DO NOT REPEAK.
3. With tuning capacitor at minimum capacity and Signal Generator at 1610 Kcs, adjust oscillator trimmer C204 to set oscillator. (Tuning range 535 Kcs to 1610 Kcs)
4. Plug in AM loop antenna. With Signal Generator set at 1500 Kcs, tune in signal and adjust RF trimmer C201 for maximum output.
5. With Signal Generator set at 600 Kcs. tune in signal and adjust antenna coil L201 for maximum output.
6. Repeat Step 4.