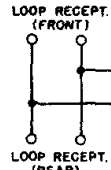
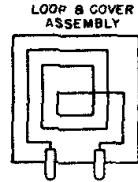


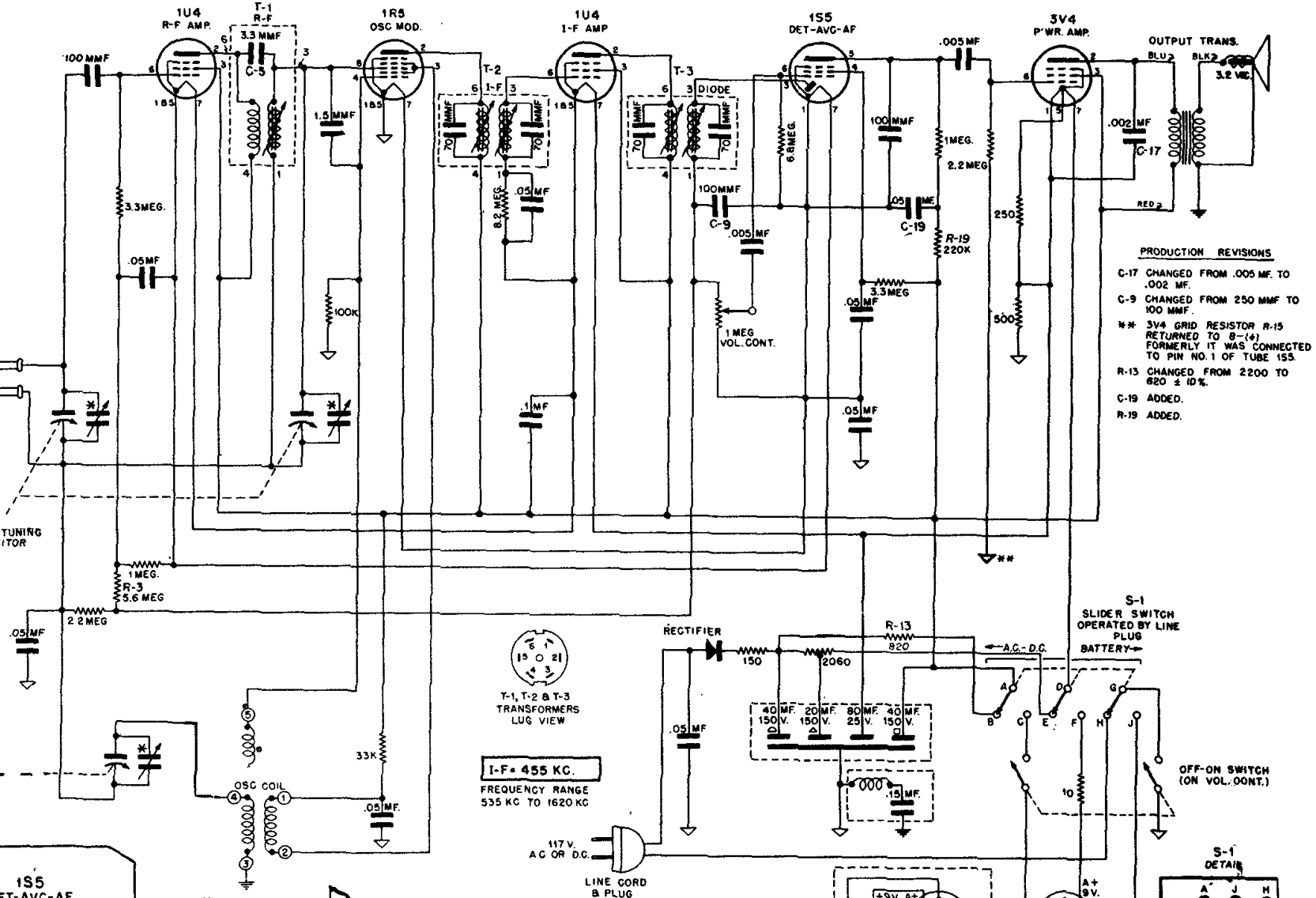
Motorola MODEL 67L11

NOTE:
 * = TRIMMERS ON GANG.
 ALL RESISTORS ARE INDICATED IN OHMS.
 K = ONE THOUSAND (1000) OHMS.
 ⚬ = GROUND TO CHASSIS.
 ⚬ = GROUND TO COMMON NEGATIVE.



3 GANG TUNING CAPACITOR

CHASSIS
HS-59

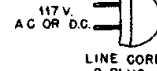


PRODUCTION REVISIONS

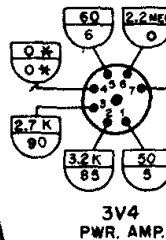
- C-17 CHANGED FROM .005 MF. TO .002 MF.
- C-9 CHANGED FROM 250 MMF TO 100 MMF.
- ** 3V4 GRID RESISTOR R-15 RETURNED TO B-(*) FORMERLY IT WAS CONNECTED TO PIN NO. 1 OF TUBE 155.
- R-13 CHANGED FROM 2200 TO 620 ± 10%.
- C-19 ADDED.
- R-19 ADDED.



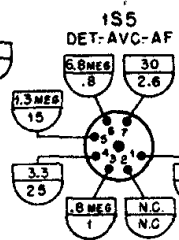
I-F = 455 KC.
 FREQUENCY RANGE
 535 KC TO 1620 KC



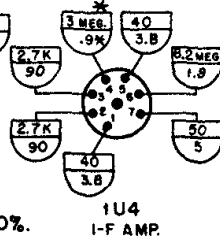
BOTTOM VIEW OF CHASSIS



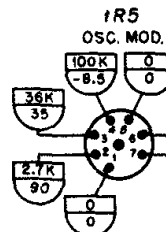
3V4 PWR. AMP.



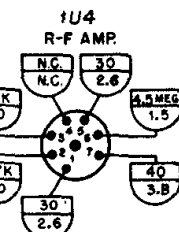
VOLTAGE TOLERANCE = ±10%.
 RESISTANCE TOLERANCE = ±20%.
 * = TIE LUG.



1U4 I-F AMP.

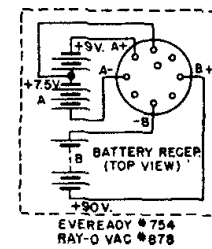


1R5 OSC. MOD.

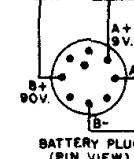


1U4 R-F AMP.

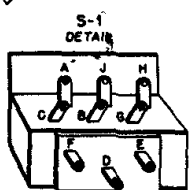
75 B 9-90 A-B PACK



BATTERY REGR. (TOP VIEW)



BATTERY PLUG (PIN VIEW)



S-1 DETAIL

NOTE: A VTVM WAS USED TO MAKE MEASUREMENTS.
 MEASUREMENTS ARE MADE FROM TUBE BASE PIN TO B-(⚬)
 SET WAS OPERATED FROM 117 V. AC LINE FOR VOLTAGE MEASUREMENTS.
 K = 1000 (ONE THOUSAND) OHMS.
 ⚬ = RESISTANCE MEASUREMENTS.
 ⚬ = VOLTAGE MEASUREMENTS.

MOTOROLA INC.

Model 67L11, Chassis HS-59

R.F. COIL. The inductance of this coil is set at time of manufacture by adjusting the iron core. No resetting of this core should be made unless it has been tampered with. If so, readjustment can be made by proceeding as follows:

Normally, alignment can be made with trimmers 5, 6 and 7. However, if range of these trimmers is insufficient to obtain peak, adjustment can be made with trimmers 5A, 6A and 7A.

Tune in 600 Kc signal and peak Padder Adj. (8). Next tune in 1400 Kc signal and peak trimmer (6). Repeat both adjustments until maximum response is obtained at both ends; the last adjustment should be trimmer (6).

STEP	DIAL SET TO	DUMMY	SIGNAL GENERATOR CONNECTED TO	SIGNAL GENERATOR SET TO	ADJUST TRIMMER OR CORE	REMARKS
IF ALIGNMENT						
1.	Gang fully opened.	.1 mf	OSC-MOD grid*	455 Kc	1,2,3 & 4	Adjust for maximum output
RF ALIGNMENT						
2.	1600 Kc**	-	Radiation loop***	1600 Kc	5	This sets osc. to dial scale.
3.	1400 Kc	-	Radiation loop***	1400 Kc	6 & 7	Tune signal for max. with receiver tuning knob, then peak trimmers 6 & 7.
4.	1400 Kc	-	Radiation loop***	1400 Kc	7	With chassis assembled into cabinet, repeak antenna trimmer.

* A convenient point is the stator of the tuning capacitor.

** Close gang fully and set pointer to calibration mark at left hand side of dial background, then set to 1600 Kc by setting pointer at right hand calibration mark.

*** Connect output of signal generator to a 5" diameter, 3 turn loop and bring loop close enough to receiver loop to obtain output of 50 milliwatts (.40V) on output meter. Vary distance between loops to maintain this output during alignment. Minimum distance between loops should never be less than 12".

