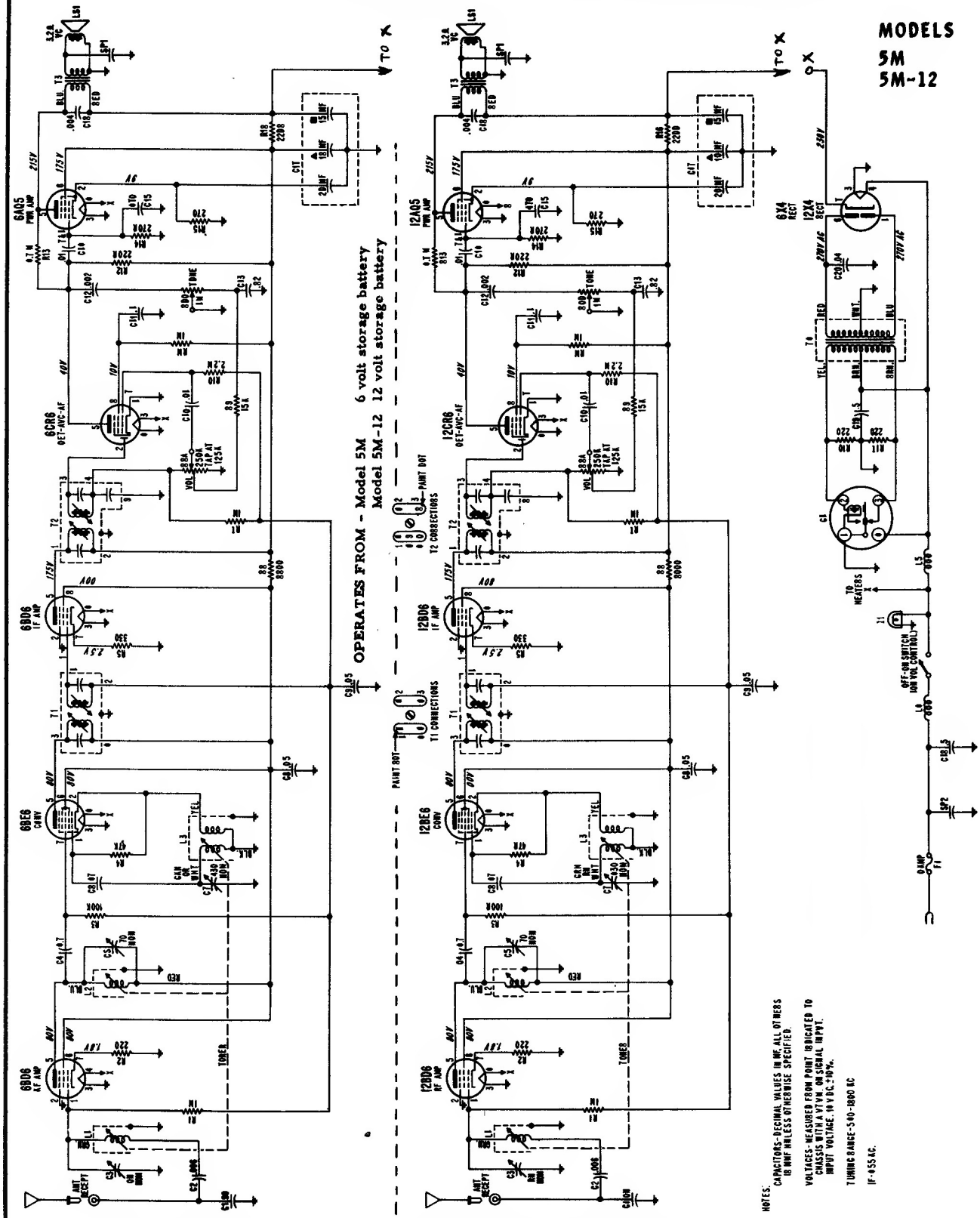
MOTOROLA

This material is exact for Models 5M and 5M-12. Circuits of Models 6M and 6M-12 are correspondingly similar.



MODEL 5M SCHEMATIC DIAGRAM

MODEL 5M-12 SCHEMATIC DIAGRAM

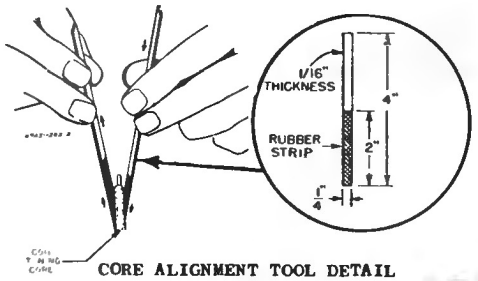
Motorola

MODELS
5M
5M-12

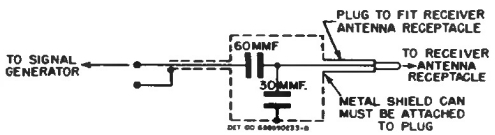
Alignment Information

Connect output meter across speaker voice coil. Set tone to high and volume to maximum. Attenuate generator to maintain 1.79 volts (1 watt) on output meter to prevent overloading of receiver.

STEP	DUMMY ANTENNA	GENERATOR CONNECTION	GENERATOR FREQUENCY	TUNER SET TO	ADJUST (in order shown)	REMARKS
IF ALIGNMENT						
1.	.1 mf	6BE6 grid (pin 7)	455 Kc	Hi end stop	1, 2, 3, 4	Peak for maximum.
RF ALIGNMENT						
NOTE: Back tuner cores completely out of coils before proceeding.						
2.	See Fig.	Ant. recept	1610 Kc	Hi end stop	5, 6, 7	Peak for maximum
3.	See Fig.	Ant. recept	1400 Kc	13/64" from hi end stop	8, 9, 10	Peak for maximum using alignment tools shown in Figure.
4.	Repeat steps 2 and 3 until no further increase.					
ANTENNA TRIMMER ADJUSTMENT						
5.				Weak station around 1400 Kc	7	With radio in car, peak ant trimmer.



CORE ALIGNMENT TOOL DETAIL



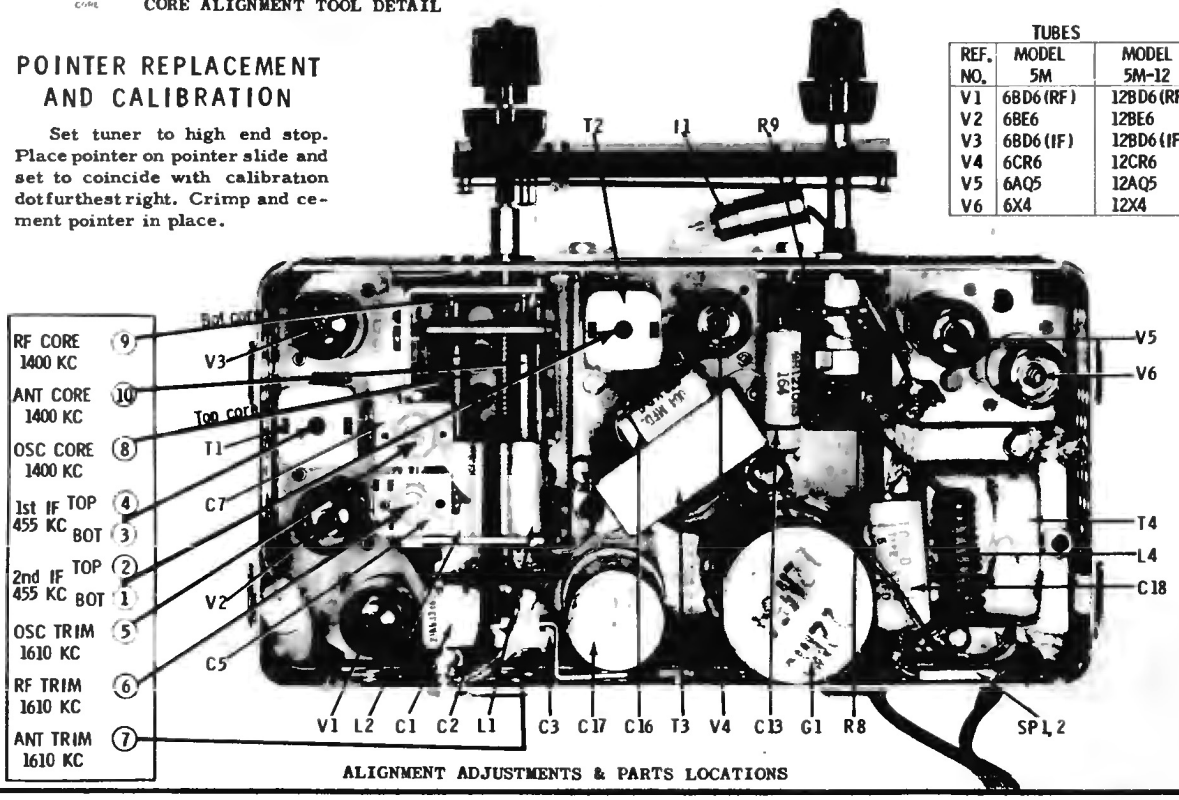
DUMMY ANTENNA DETAIL

POINTER REPLACEMENT AND CALIBRATION

Set tuner to high end stop. Place pointer on pointer slide and set to coincide with calibration dot furthest right. Crimp and cement pointer in place.

TUBES

REF. NO.	MODEL 5M	MODEL 5M-12
V1	6BD6 (RF)	12BD6 (RF)
V2	6BE6	12BE6
V3	6BD6 (IF)	12BD6 (IF)
V4	6CR6	12CR6
V5	6AQ5	12AQ5
V6	6X4	12X4



ALIGNMENT ADJUSTMENTS & PARTS LOCATIONS