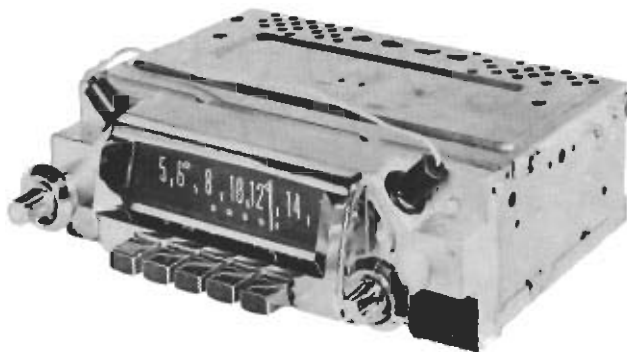




with CIRCUITRACE\*

MOPAR  
MODELS 856, 857

TRADE NAME Mopar Models 856 (For 1959 MD1, MD2, MD3 Dodge Automobiles), 857 (For 1959 MS1, MS2, MS3 DeSoto Autos)  
 MANUFACTURER Motorola Inc., 4545 W. Augusta Blvd., Chicago 51, Illinois  
 TYPE SET Battery Operated 4 Tube Custom Built AM Automobile Receiver With Transistorized Output.

POWER SUPPLY 12 Volt Storage Battery  
 TUNING RANGE—BROADCAST 540 - 1610KC

RATING 1.6 Amp. @ 12.6 Volts DC

## ALIGNMENT INSTRUCTIONS

## ALIGNMENT INSTRUCTIONS—READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

Volume control should be at maximum position. Output of signal generator should be no higher than necessary to obtain an output reading.

Suggested alignment tools:  
 A1 thru A4. .... GENERAL CEMENT #8606, 8606L, 8282, 9295  
 WALSCO #2526, 2543, 2544, 2545  
 A5, A6. .... GENERAL CEMENT #5000, 5003, 8276, 8290  
 WALSCO #2512, 2525  
 A8, A9, A10, A11. .... GENERAL CEMENT #9050L, 9150  
 WALSCO #2521

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	OUTPUT METER	ADJUST	REMARKS
1. .1mf	High side to antenna receptacle. Low side to chassis.	262.5KC (400% Mod.)	High Freq. end stop	Across voice coil	A1, A2, A3, A4	Adjust for maximum output.
2. Fig. 1.	Thru dummy to antenna receptacle.	1610KC	"	"	A5, A6	"
3. "	"	1400KC	1400KC Signal	"	A7	"
Steps 4 & 5 not necessary unless tuner has been tampered with or associated components have been replaced. Back tuning cores (A8, A9 and A10) 1 3/8" out of coils.						
4. Fig. 1.	Thru dummy to antenna receptacle.	1610KC	High Freq. end stop.	Across voice coil	A5, A6, A7	Adjust for maximum output.
5. "	"	1020KC	Tuner carriage 49/64th" in from high end stop.	"	A8, A9, A10	Adjust for maximum output. Repeat Steps 4 & 5.
6. "	"	1925KC	1400KC	"	A11	Adjust for MINIMUM output.

With radio installed in car and antenna fully extended, tune in a weak station near 1400KC and adjust A7 for maximum output.

With radio tuned to a 1000KC signal, adjust pointer adjustment so that pointer coincides with 1000KC mark on dial.

## PUSHBUTTON ADJUSTMENT

1. Pull pushbutton out.
2. Tune manually to desired station.
3. Press button in firmly.
4. Repeat for remaining pushbuttons.

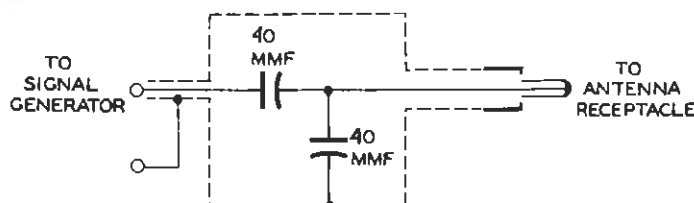


FIG. 1

## HOWARD W. SAMS &amp; CO., INC. Indianapolis 6, Indiana

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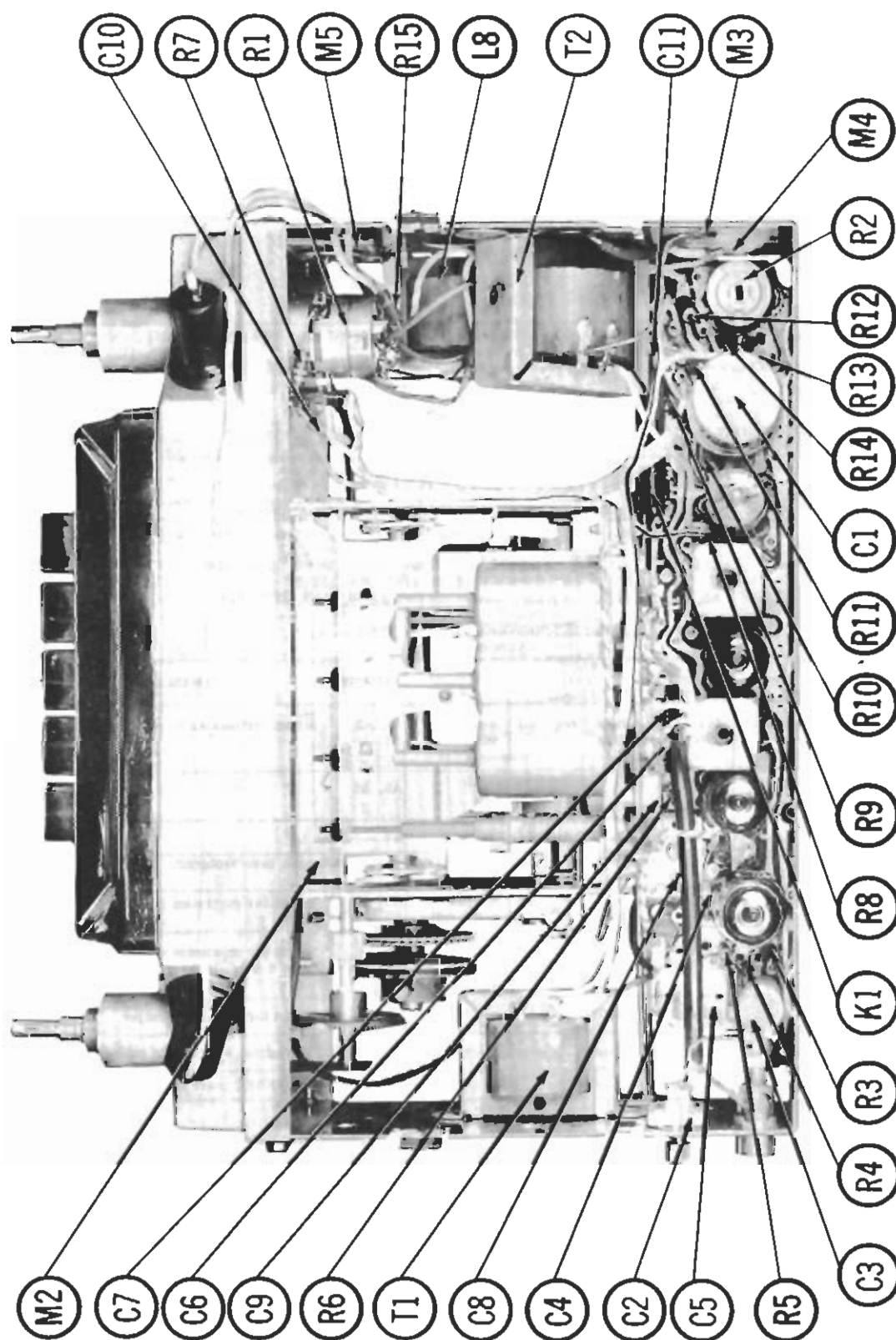
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DATE 9-59

SET 454

FOLDER 10

MOPAR  
MODELS 856, 857SET 454  
FOLDER 10



CHASSIS TOP VIEW - RESISTOR, CAPACITOR, & MISC IDENT.