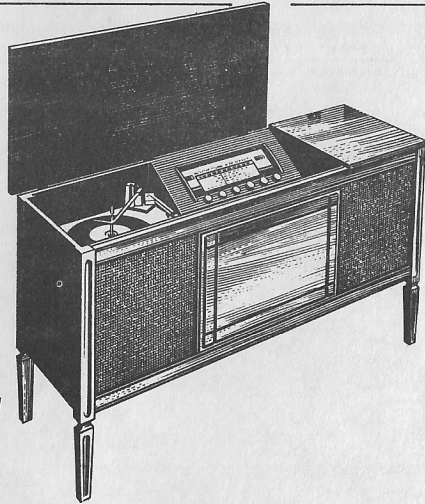


AUTOCRAT**SERVICE MANUAL****MODEL: MARINA**

2 Wave Band
14 Transistor
Solid State Stereogram

SPECIFICATIONS**FREQUENCY RANGE:**

B.C. 530 — 1625 Kc/s
 S.W. 6 — 16 Mc/s

INTERMEDIATE FREQUENCY:

455 Kc/s

TRANSISTORS:

1x 2SA472/2 R.F.
 1x OC170 CONVERTOR
 2x 2SA53 1st and 2nd I.F.
 2x ET1127 1st A.F.
 2x 2SC273 2nd A.F.
 2x 2SB56 3rd A.F. Driver
 4x 2SB63 or 2SB463
 P.P. OUTPUT

DIODE:

2x IN60, (AVC, DETECTOR), LIMITER

THERMISTOR:

4x SDT-04

POWER O.P.

6 WATT EACH CHANNEL

ANT

PLATE, PROVISION FOR EXT. CONNECTION

POWER:

230 VOLTS 50 c/s

SPEAKERS:

2 x 8" P.M. 15 OHM

ALIGNMENT PROCEDURE

GENERAL: ALLOW TEST EQUIPMENT TO WARM UP FOR 10-15 MINUTES BEFORE STARTING ALIGNMENT

SIGNAL GENERATOR: USE A.M. SIGNAL GENERATOR, CONNECT GROUND LEAD TO CHASSIS AND OUTPUT AS INDICATED IN THE ALIGNMENT CHART

OUTPUT METER: CONNECT ACROSS SPEAKER VOICE COIL CONNECTION LOAD 16 OHMS

OUTPUT LEVEL: ATTENUATE THE SIGNAL GENERATOR OUTPUT THROUGHOUT THE ALIGNMENT SO AS TO MAINTAIN THE OUTPUT LEVEL BELOW .5 WATT

CONTROLS: SET VOLUME CONTROL AT MAXIMUM, ADJUST TONE CONTROLS FOR MAXIMUM OUTPUT, TUNING CONTROL AS IN THE CHART, BALANCE MAXIMUM FOR CHANNEL UNDER TEST

POINTER: SET AT ZERO AT 6Mc/s ON S.W. SCALE

	CONNECTION TO RADIO		DIAL SETTING	SPECIAL INSTR.	ADJUST
1.	CONNECT S.G. THROUGH .1MFD. CAPACITOR TO OC170 BASE	Mc/s .455	Mc/s H.F. END	ADJUST FOR MAX. IN ORDER GIVEN	I.F.T. 3,2,1
2.	CONNECT S.G. THROUGH DUMMY ANT. TO AERIAL	.6	.6	ADJUST FOR MAX. B.C. OSC. COIL B.C. R.F. COIL B.C. ANTENNA COIL	L4 L3 L1
3.	AS (2)	1.4	1.4	ADJUST FOR MAX. OSCILLATOR TRIMMER R.F. TRIMMER ANTENNA TRIMMER	CT5 CT3 CT1
4.	REPEAT (2) AND (3) UNTIL NO FURTHER IMPROVEMENT				
5.	AS (2)	6.5	6.5	ADJUST FOR MAX. S/W OSC. COIL S/W ANT. COIL	L5 L2
6.	AS (2)	15	15	ADJUST FOR MAX. S/W ANT AND OSC. TRIMMER	CT2 CT4
7.	REPEAT (5) AND (6) UNTIL NO FURTHER IMPROVEMENT				

NOTE: OUTPUTS MUST NOT BE SHORT CIRCUITED TO EARTH, DAMAGE TO TRANSISTORS MAY RESULT

