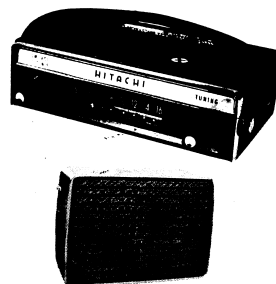


SPECIFICATIONS

CIRCUIT SYSTEM 8-transistor superheterodyne with R.F. amp
 TUNING RANGE 535~1,605 kc
 INTERMEDIATE FREQUENCY 455 kc
 TRANSISTOR COMPLEMENT
 2SA355 R.F. Amp.
 2SA354 Freq. Conv.
 2SA12 1st I.F. Amp.
 2SA12 2nd I.F. Amp.
 2SB75 1st A.F. Amp.
 2SB77 2nd. A.F. Amp.
 2SB89×2 Class-B Push-pull Output Amp.
 GERMANIUM DIODE
 1N34A Detector & Automatic Gain Controller
 1N34A Complementary A.G.C.
 VARISTOR HV 16 (Temperature Compensator)
 SENSITIVITY (Maximum)
 When used as auto radio Approx. 26dB
 When used as portable radio Approx. 28dB
 POWER OUTPUT
 As auto radio { 6.6 V...500 mW (max.), 300 mW (undistorted)
 { 13.2 V...700 mW (max.), 500 mW (undistorted)

As portable radio 400 mW (max.), 250 mW (undistorted)
 ROUSPEAKER Oval 2 3/4"×4" dynamic P.M.
 EARPHONE JACK
 Hitachi accessory magnetic earphone EL-213 or EL-216 is recommended.
 POWER SOURCE
 As auto radio (Negative grounded or positive-grounded battery, 6 or 12 volts
 As portable radio (Four, JAPAN UM-3A, EVEREADY 1015 (or equivalent, 1 1/2 volts each
 CURRENT CONSUMPTION (With no signal) 190 mA
 As auto radio 15 mA
 DIMENSIONS (Overall)
 As auto radio Height 2 1/2", Width 6 1/2", Depth 6 1/2"
 As portable radio Height 1 1/2", Width 6 1/2", Depth 4 1/2"
 WEIGHT (Net)
 As auto radio 4 lbs.
 As portable radio 1 1/2 lbs.



H50

HITACHI AUTO-RADIO MODEL TM-816U & EXTERNAL SPEAKER MODEL ES-60

TR1
2SA355
(R.F.)

TR2
2SA354
(CONV.)

D1
1N34A
(A.G.C.)

TR3
2SA12
(1ST. I.F.)

TR4
2SA12
(2ND. I.F.)

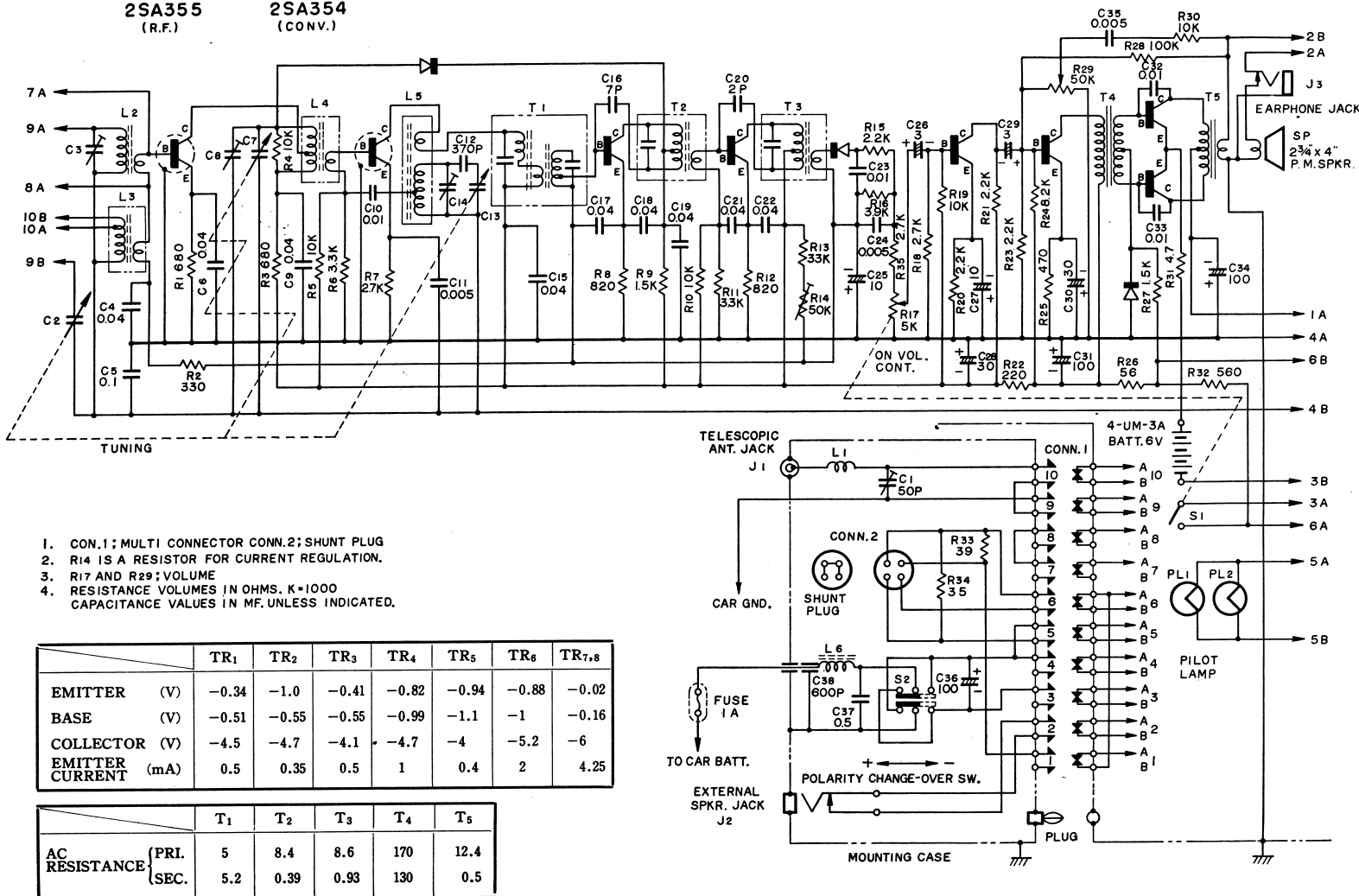
D2
1N34A
(DET. A.G.C.)

TR5
2SB75
(1ST. A.F.)

TR6
2SB77
(2ND. A.F.)

VR1
HV16
TEMPERATURE
COMPENSATOR

TR7,8
2SB89
TEMPERATURE
COMPENSATOR



1. CONN.1; MULTI CONNECTOR CONN.2; SHUNT PLUG
2. R14 IS A RESISTOR FOR CURRENT REGULATION.
3. R17 AND R29; VOLUME
4. RESISTANCE VOLUMES IN OHMS. K=1000
CAPACITANCE VALUES IN MF. UNLESS INDICATED.

	TR1	TR2	TR3	TR4	TR5	TR6	TR7,8
EMITTER (V)	-0.34	-1.0	-0.41	-0.82	-0.94	-0.88	-0.02
BASE (V)	-0.51	-0.55	-0.55	-0.99	-1.1	-1	-0.16
COLLECTOR (V)	-4.5	-4.7	-4.1	-4.7	-4	-5.2	-6
EMITTER CURRENT (mA)	0.5	0.35	0.5	1	0.4	2	4.25

	T1	T2	T3	T4	T5	
AC RESISTANCE	{ PRI.	5	8.4	8.6	170	12.4
	{ SEC.	5.2	0.39	0.93	130	0.5

