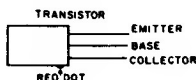
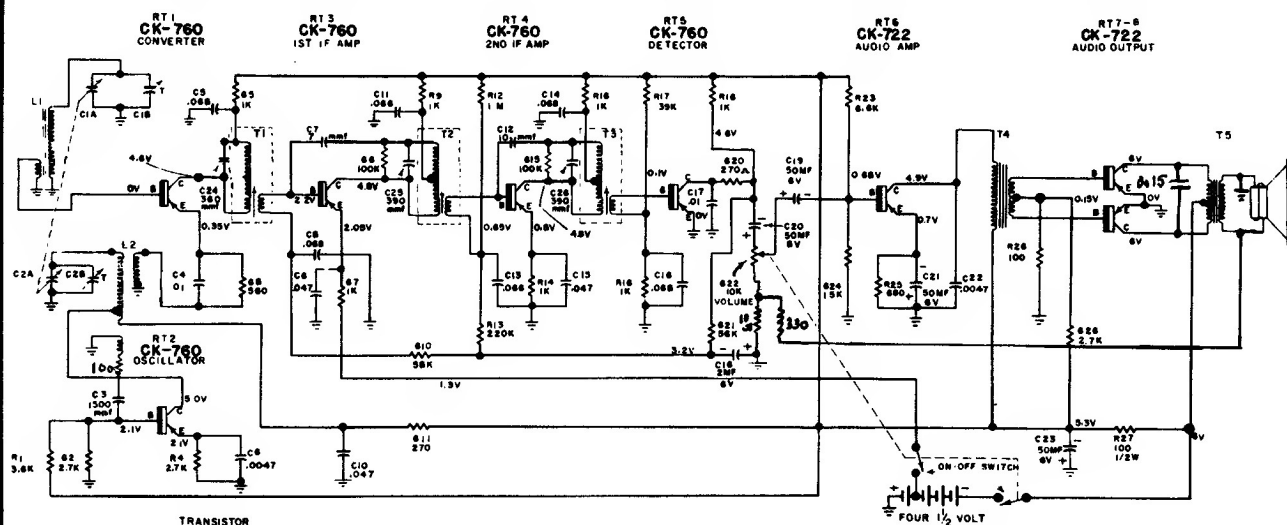


RAYTHEON MANUFACTURING COMPANY

8RT1 CHASSIS

MODELS 8TP1, 8TP2, 8TP3 AND 8TP4



NOTE: UNLESS OTHERWISE SHOWN, RESISTOR VALUES ARE IN OHMS AND ARE 1/5 WATT

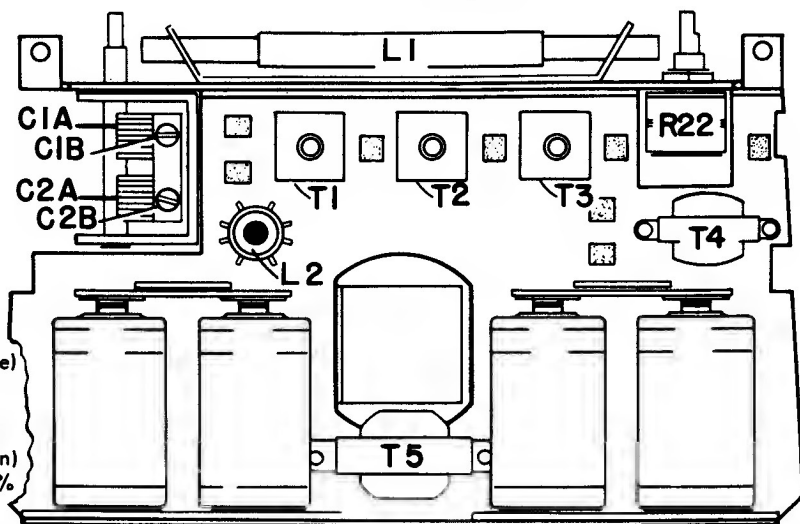
CAPACITOR VALUES ARE IN MICROFARADS UNLESS OTHER OTHERWISE SHOWN

DC VOLTAGE READINGS TAKEN UNDER NO SIGNAL CONDITIONS WITH BATTERY VOLTAGE - 6VDC. VOLTAGES AT TRANSISTOR SOCKETS WILL VARY SLIGHTLY WITH TRANSISTOR CHANGES.

USE ONLY VTVM

ALIGNMENT PROCEDURE

Turn Volume Control off. (Full counter-clockwise)
Use output meter with 15 ohms impedance
Insert four size "D" cells in proper positions.
(Positive side towards top of chassis)
Turn Volume Control on. (Full clockwise position)
Signal generator output of 100 microvolts, 30% modulation at 400 cycles.
Both knobs must be in place.



SIGNAL GENERATOR					OUTPUT METER	GANGED CAPACITY	ADJUST FOR MAXIMUM OUTPUT IN METER.
	FREQUENCY	COUPLING CAPACITY	CONNECTION TO RADIO	GROUND SIDE			
I.F.	455KC	.5MF.	to Base of RT1	To Chassis	Connected in place of speaker		Top cores of T3, T2 & T1
Repeat above step two or three times for best results, keeping generator output in all cases as low as possible as to prevent overloading of audio.							
Osc.	1620KC	.5MF.	To base of RT1	To Chassis	Connected in place of speaker	Open Gang (Fully clockwise)	Adjust C 2B
Caution: Too high on input from signal generator may cause setting of trimmer on a spurious response.							
Ant.	1400KC.	Connect 3 turn loop to generator and place near loop on receiver.			Connected in place of speaker	Ganged Condenser should be rocked.	Adjust C 1B

Check for alignment and dial calibration at 1000 KC and 600KC.