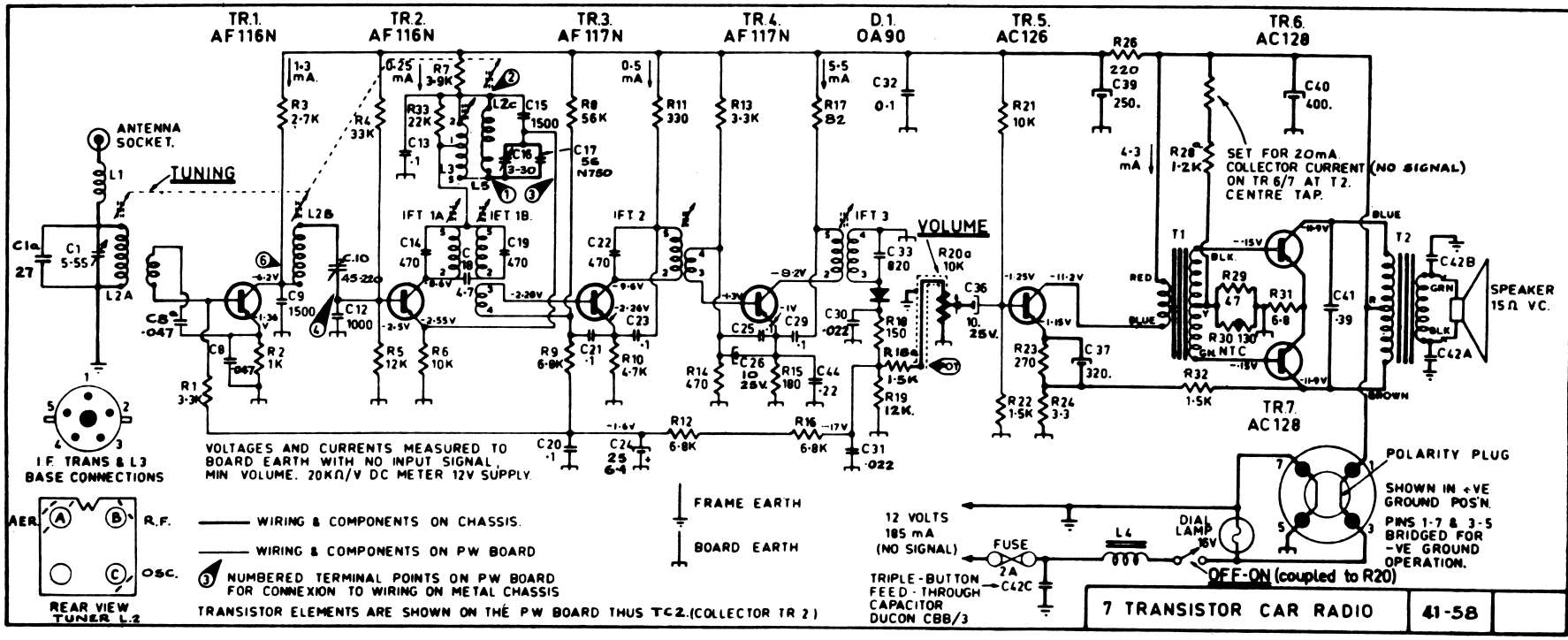


ALIGNMENT PROCEDURE

Sig. Generator connected to	Sig. Generator Frequency	Align for Max. Output	Remarks
Converter base through 0.1 uF	455 KHz	IFT 3 IFT 2 IFT 1B IFT 1A	Tuner core carriage fully out
REPEAT UNTIL MAXIMUM OUTPUT IS OBTAINED			
Aerial socket through dummy aerial	1620 KHz	Osc. Trimmer C16	Tuner core carriage fully out
Aerial socket through dummy aerial	1500 KHz	R.F. Trimmer C10 Aerial Trimmer C1	Dial pointer at 1500 KHz approx.
Aerial socket through dummy aerial	600 KHz	Padder Coil L3	Dial pointer at 600 KHz approx. Rock tuner
REPEAT UNTIL CORRECT ALIGNMENT IS OBTAINED, AND DIAL POINTER (RE-SET AS NECESSARY) ACCURACY IS WITH LETTERING LIMITS			

41-58 SERVICE SHEET

DESCRIPTION: Model 41-58 is a seven-transistor single unit car radio incorporating a manually operated permeability tuner. It is derived from Model 41-48, using an additional transistor and I.F. stage. The external difference is that the Kriesler brand name is in red in Model 41-48 and blue in Model 41-58.

FREQUENCY RANGE: 525 to 1620 Kc/s.

INTERMEDIATE FREQUENCY: 455 Kc/s.

SUPPLY VOLTAGE: 12 volts D.C. An external polarity plug provides operation with either negative or positive ground electrical system.

CONSUMPTION: 183 mA. at 12 volts (no signal condition).

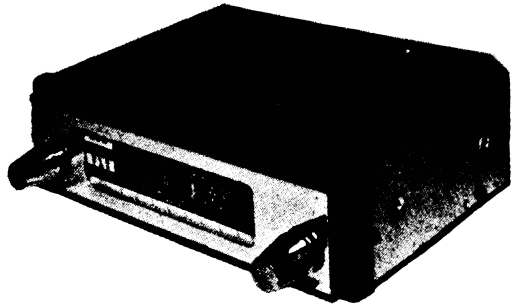
SPEAKER: 15 ohms impedance at 400 c.p.s. Size and type dependent on installation requirements; universal installation kit speaker is 7" x 5" M.S.P type 750A/15.

POWER OUTPUT: 2 watts at 400 c.p.s. (14 volts supply).

HIGH CAPACITY AERIAL SYSTEM: Inability to peak the aerial trimmer after installation could indicate that the aerial feeder capacitance is excessively high. To overcome this:—
1. Remove the 22pF aerial shunt capacitance C1; or
2. Reduce the feeder cable length; or
3. Insert a series capacitor in the aerial circuit; however, this will reduce the signal input to the receiver.

DRIVER TRANSFORMER REPLACEMENT: The driver transformer is best removed as an assembly with its mounting bracket. Disconnect leads and remove the two recessed self-tapping screws on the exterior base of the chassis. Remove the transformer with its mounting bracket; detach bracket and fit to replacement transformer. Reverse the above procedure to re-install.

POWER TRANSISTOR REPLACEMENT: Should the power transistors TR6 or TR7 require replacing, always use a matched pair and adjust the standing collector current at the output transformer centre tap to 12 mA. ± 2 mA. (no signal condition) by connecting an appropriate value of resistance (R23A) in the bias circuit.



MODEL 41-58 CAR RADIO

CONTROLS 1. On-Off switch combined with volume control.
2. Tuning control.
DIMENSIONS: Width 7", height 2", depth 5⅝".
WEIGHT: 3 lbs. 10 ozs.

PARTS LIST 41-58

PART No.	DESCRIPTION
32-7058	Volume Control (10KΩ) with S.P. switch
MSP 35130	Trimmer 5-55PF
Ducon CWA	Trimmer 45-220PF
Ducon CW NPO	Trimmer 3-30PF
Ducon CBB/3	Triple Button Feed-through 3 x .001μF
Philips B8/320/ 01/A130E	Thermister 130Ω, R30
24-4315	IFT 1a
24-4316	IFT 1b
24-4317	IFT 2
24-4318	IFT 3
IRC CLA	4.7μH RF Choke, L1
90-7064	Tuner MSP Permeability, L2 A-B-C
14-4534	Oscillator Coil, L3
28-4537	Filter Choke, L4
14-7068	Osc. Series Padder, L5
18-6194	Driver Transformer, T1
18-6193	Output Transformer, T2
3AG/2A	Fuse Australux 2 AMP
BA9S-10 PO5	Dial Lamp Philips 16V .2A
20-4531	Knob, Volume
20-4532	Knob, Tuning
90-4305	Plug, Polarity
69-7062 MOD'D	Dial Scale
16-7051	Escutcheon