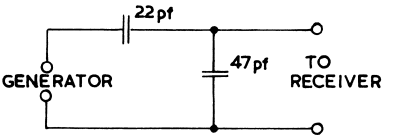
ALIGNMENT PROCEDURE

During alignments, the input to the receiver must be progressively reduced, such that the output never exceeds 1W. (1.87V.) across 3.5 ohms non-inductive load)

Standard Dummy Aerial - RMO 426-A

Input conditions for R.F. Alignment: To the right is a circuit diagram of the correct termination pad for a Signal Generator output lead.



I.F. Alignment

1. If alignment is badly out, connect signal generator via blocking capacitor (approx. 0.1 mfd) to test point T.P. on H.F. panel (VT2 base). Otherwise connect generator via standard dummy aerial to aerial socket.

2. Switch to M.W. tuning carriage fully withdrawn.

3. Set signal generator to 470 Kc/s modulated to 30%.

4. Adjust L.9, L.10, L.11 and L.12 for maximum output.

5. Repeat operation 4.

M.W. Alignment

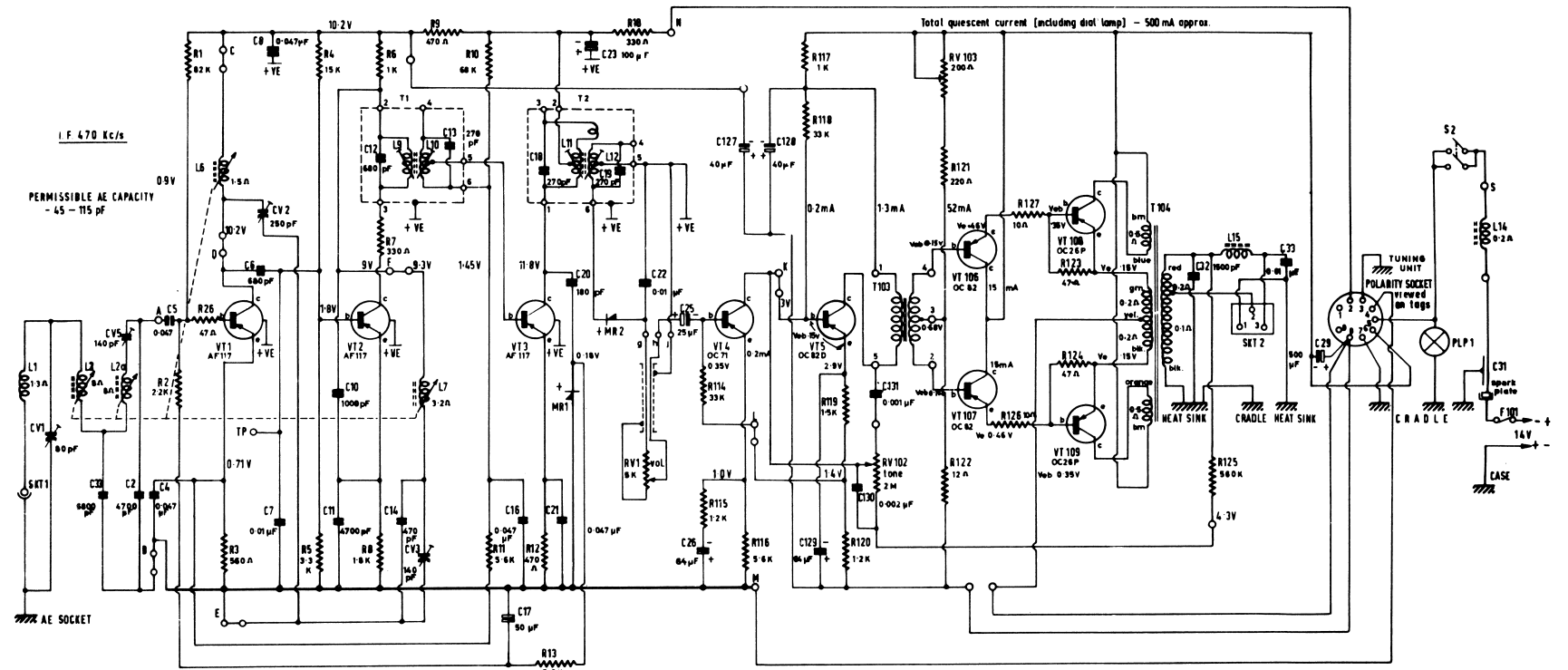
1. Switch to medium wave, tuning carriage to fully withdrawn position, ensuring the cores of L.2, L.5 and L.7 are screwed fully anti-clockwise back into grommets, L.4 core approximately mid-position.

2. Set auxiliary ferrite rods in L.2 and L.5 to mid-position, i.e., inserted into coil approximately $\frac{3}{4}$" (note *below). (Also L.2a on 622T)

Operation	Carriage Position	Signal Generator Kc/s	Signal Generator M	Adjust for Maximum Output
1.	Fully Out	1670	179.5	CV3, CV1, CV2. (Also CV5 on 622T).
2.	(Seal CV2, CV3)			
3.	Fully In	520	577	L7 core
4.	Tune in	1100	272.7	L2, L5 cores (Also L2a on 622T).
5.*	Tune in	550	545.4	Auxiliary rods in L2, L5 (Also L.2a on 622T)
6.*	Repeat Operations 4 & 5			
7.*	Seal L2 and L5 aux. rods.			

* These operations should only be carried out when, L2a and/or L5 has been replaced. After adjustment, ensure that auxiliary rods are sealed with wax.

N.B. After alignment is completed, maximum frequency on M.W. will be approximately 1610 Kc/s (not 1670 Kc/s).

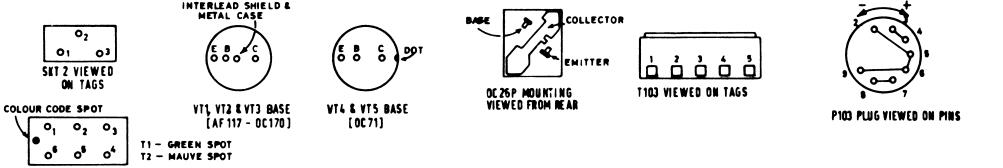


KEY TO CIRCUIT COLOURS

BLACK:	TUNING CIRCUIT ASSEMBLY
RED:	H.F. PRINTED BOARD
BLUE:	A.F. PRINTED BOARD
GREEN:	MISC. CHASSIS WIRING

LOAD IMPEDANCES SKT2 VIEWED ON TAGS

3·5 OHMS — PINS 1 & 3
1·7 OHMS — PINS 1 & 2



NOTE: o—o INDICATES INTERCONNECTING LINKS, MAIN PRINTED PANEL TO SUB-ASSEMBLIES

ALL D.C. VOLTAGES MEASUREMENTS TO BE REGARDED AS AVERAGE FIGURES, TAKEN WITH REFERENCE TO +VE LINE WITH NO SIGNAL INPUT AND A METER HAVING A RESISTANCE OF 20,000 OHMS PER VOLT, e.g., AVOMETER MODEL 8.

NO UNEARTHED A.C. POWERED TEST EQUIPMENT OR SOLDERING IRONS SHOULD EVER BE USED

H16

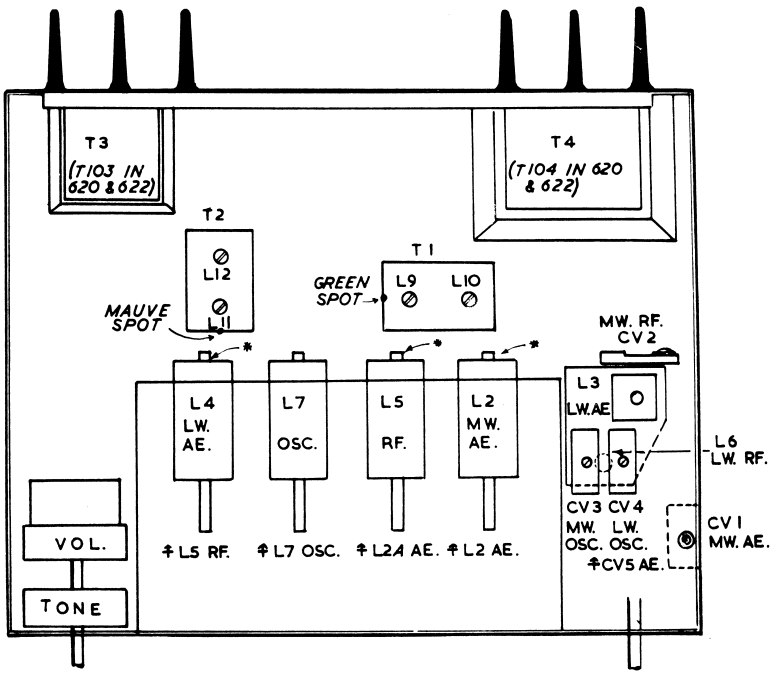
HMV CAR RADIO MODEL 622T

L.W. Alignment

Switch to long wave and set L.4 auxiliary rod in approximately mid position.

Operation	Carriage Position	Signal Generator		Adjust for Maximum Output
		Kc/s	M	
1.	Fully In	150	2000	CV4
2.	Seal CV4			
3.	Tune In	260	1155	L3, L6
4.	Tune In	210	1428	L4 core
5.*	Tune In	165	1820	L4 aux. rod.
6.	Repeat 3, 4 & 5* for maximum output.			
7.*	Seal L4 auxiliary rod.			

* These operations should only be carried out when L4, C1 or C3 have been replaced.



* *AUXILIARY RODS*

† *COIL/TRIMMER LOCATIONS ON 602/622T (M.W. ONLY) MODELS*

CORRECTED LAYOUT OF ALIGNMENT CONTROLS.