

# A.W.A. PRESSMATIC CAR RADIO

## ALIGNMENT TABLE AND CIRCUIT AND CODE SHEETS

ISSUED BY:  
AMALGAMATED WIRELESS (AUSTRALASIA) LTD.

### ALIGNMENT TABLE

Note: The replacement of any valve in the receiver will not affect the alignment of the tuned circuits in any way, providing the recommended "Radiotron" type is used.

#### (A) GENERAL.

Step	Connect Generator to:	Tune Generator to:	Tune Receiver to:	Adjust for Maximum Peak Output:
1	12-6BE6 Pin 7*	455 Kc/s	L.F. limit	2nd I.F.T. secondary
2	12-6BE6 Pin 7*	455 Kc/s	L.F. limit	2nd I.F.T. primary
3	12-6BE6 Pin 7*	455 Kc/s	L.F. limit	1st I.F.T. secondary
4	12-6BE6 Pin 7*	455 Kc/s	L.F. limit	1st I.F.T. primary
Repeat the above adjustments until the maximum output is obtained.				
5	Aerial terminal via dummy aerial	1650 Kc/s	H.F. limit†	Oscillator trimmer
6	Aerial terminal via dummy aerial	1500 Kc/s	1500 Kc/s	Aerial and R.F. trimmers
7	Aerial terminal via dummy aerial	600 Kc/s	600 Kc/s‡	Padder coil core
Repeat steps 5, 6 and 7 until no further adjustment is possible.				
8	CALIBRATION ALIGNMENT. With the receiver connected to an aerial, the dial scale calibration should now be checked and corrected if necessary. The pointer can be moved relative to the dial scale by turning the eccentric stud located underneath the rear end of the pointer arm.			

\* A 0.01  $\mu$ F capacitor should be connected in series with the "high" side of the test instrument.

† To accurately ascertain the H.F. limit, proceed as follows:—

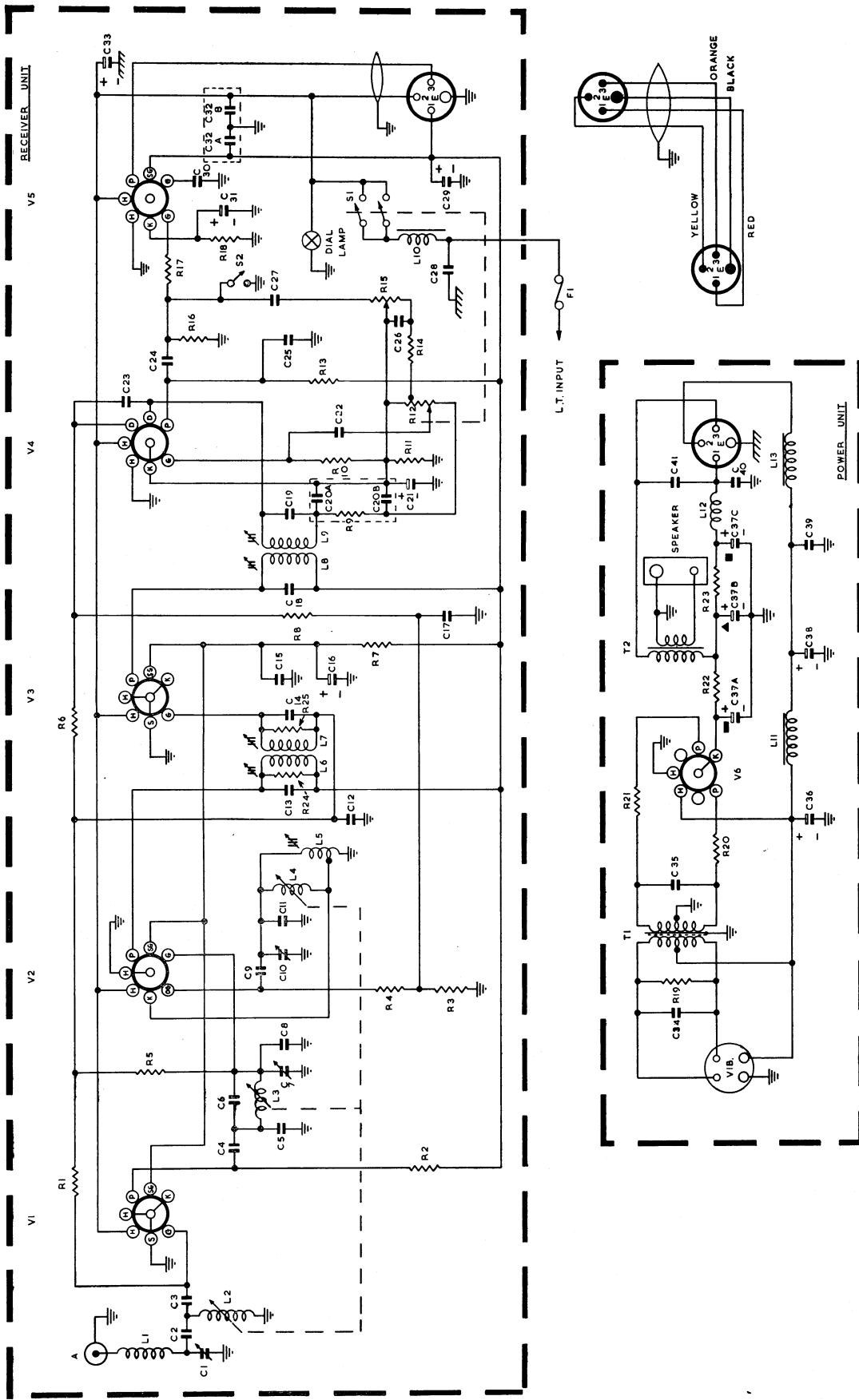
- Turn tuning control until the pointer moves to the extreme R.H. end of the dial and stops moving, then turn the control a further turn thus slipping the clutch mechanism.
- Depress the extreme R.H. button slightly (approx.  $\frac{1}{8}$  ins.) to release the clutch mechanism. The tuner is now set to the H.F. limit.

‡ "Rock" the tuning control whilst adjusting the padder core.

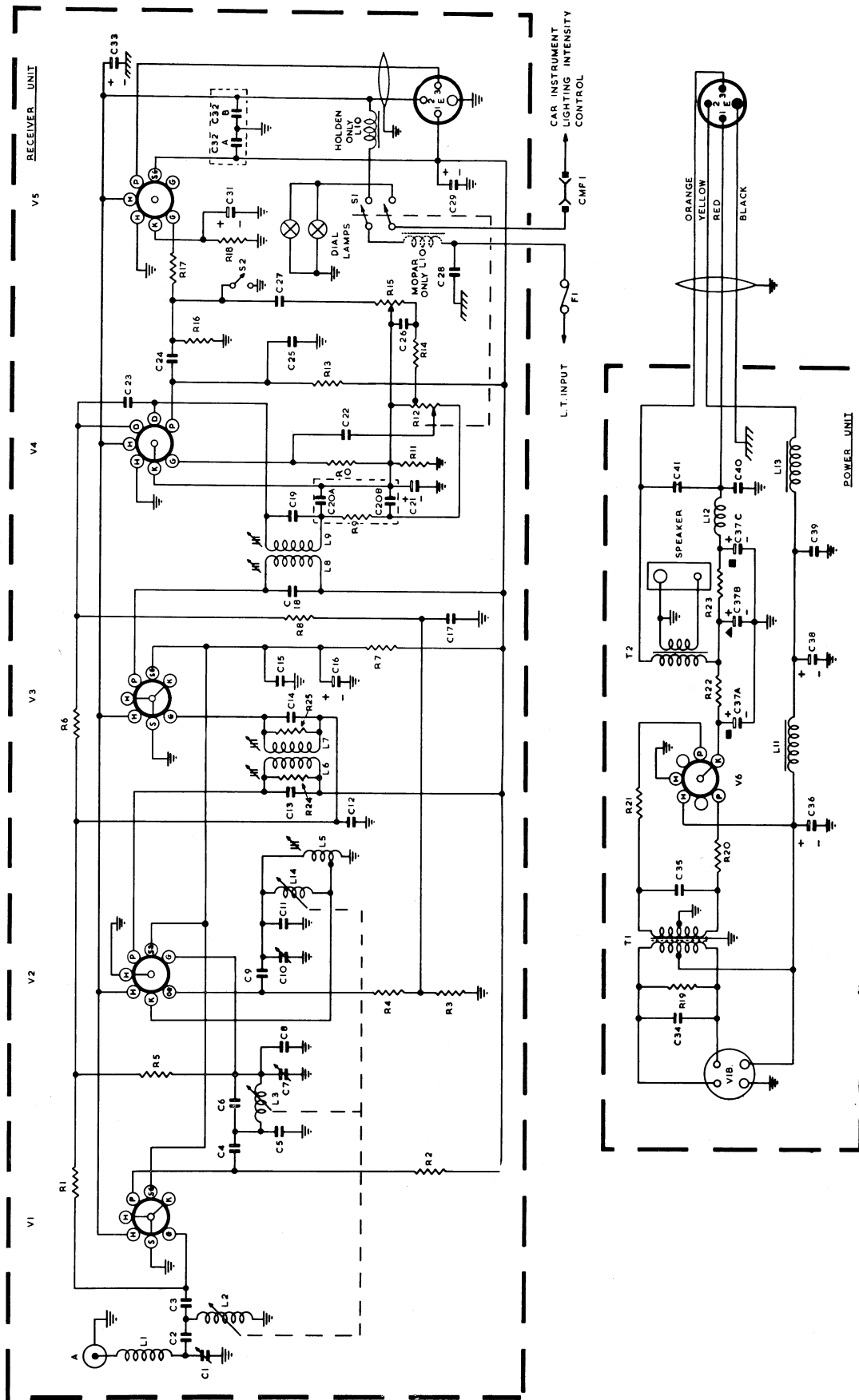
#### (B) TUNER ALIGNMENT.

The adjustment of the three tuning cores will be necessary only if a tuning core or coil has been replaced. To make this adjustment proceed as follows:

- Adjust the manual drive control until a 0.0560" gauge can be slipped into the left rear slot in front of the carriage lug. Use the 0.560" gauge in the manner of a feeler gauge.
- Tune signal generator to 1000 Kc/s. and connect to aerial terminal via dummy aerial.
- Adjust firstly the oscillator core, then the aerial and R.F. cores for maximum output.
- Proceed with steps 5 and 6 in previous table, then repeat step 3 above if necessary.
- Seal the tuning core studs.



**A.W.A. PRESSMATIC CAR RADIO**  
**(922, 923, 924, 925 SERIES EXCEPTING 924-B)**



**MOPAR. AI466487 & 924-B (HOLDEN 4-FJ)**

Manufactured by Amalgamated Wireless

**CIRCUIT CODE CAR RADIO — MODELS 924A, 925A, 924B, MOPAR A1466487, 922A, 923A**

Code No.	Description	Part No.	Code No.	Description	Part No.	Code No.	Description	Part No.
L1	INDUCTORS		R19	RESISTORS (Power Unit)		C25	100 $\mu\mu\text{F}$ Hi-K ceramic	
L2	Aerial Choke	34336	R20	330 ohms	1 watt (6 volt models)	C26	0.01 $\mu\text{F}$ paper 200V working	
L3	Tuning Coil (Aerial)		R21	470 ohms	1 " (12 volt models)		(0.02 $\mu\text{F}$ in Holden 4 Model 924B)	
L4	Tuning Coil (R.F.)	Assembly	R22	100 ohms	$\frac{1}{2}$ "	C27	0.005 $\mu\text{F}$ paper 500V working	
L5	Tuning Coil (Oscillator)		R23	220 ohms	$\frac{1}{2}$ "	C28	Spark plate	35211
L6, L7	Oscillator padder coil	35402		950 ohms	3 " W.W.	C29	6 $\mu\text{F}$ Electrolytic 450V working	
L8, L9	1st I.F. Transformer	34335	C1	CAPACITORS (Receiver Unit)		C30	470 $\mu\mu\text{F}$ K1200 ceramic	
L10	2nd I.F. Transformer	34335	C2	6-55 $\mu\mu\text{F}$ trimmer (aerial)	35130	C31	25 $\mu\text{F}$ Electrolytic 40 P.V.	
L11	L.T. R.F. Choke	34337	C3	180 $\mu\mu\text{F} \pm 2\frac{1}{2}\%$ mica (250 $\mu\mu\text{F}$ $\pm 2\frac{1}{2}\%$ in Holden 4 Model 924B)		C32A )	2 x 1700 $\mu\mu\text{F}$ Hi-K disc ceramic	
L12	L.T. R.F. Choke	33532	C4	470 $\mu\mu\text{F}$ K1200 ceramic		C32B )	10 $\mu\text{F}$ non-polarised Electrolytic 25V working	
L13	L.T. R.F. Choke	34337	C5	180 $\mu\mu\text{F} \pm 2\frac{1}{2}\%$ mica		C33	CAPACITORS (Power Unit)	
	RESISTORS (Receiver Unit)		C6	22 $\mu\mu\text{F} \pm 5\%$ N750 ceramic		C34	0.22 $\mu\text{F}$ paper 200V working	
R1	1.0 megohm	$\frac{1}{2}$ watt	C7	6-50 $\mu\mu\text{F}$ trimmer (R.F.)	31954	C35	0.005 $\mu\text{F}$ paper 2000V working	
R2	33,000 ohms	1 " "	C8	56 $\mu\mu\text{F} \pm 5\%$ N750 ceramic		C36	10 $\mu\text{F}$ non-polarised Electrolytic 25V working	
R3	6,800 ohms	$\frac{1}{2}$ " "	C9	100 $\mu\mu\text{F} \pm 10\%$ mica		C37A	8 $\mu\text{F}$ Electrolytic 450V working	
R4	22,000 ohms	$\frac{1}{2}$ " "	C10	8-40 $\mu\mu\text{F}$ spiral trimmer (Ducon)	231185	C37B	8 $\mu\text{F}$ Electrolytic 450V working	
R5	0.47 megohm	$\frac{1}{2}$ " "	C11	10 $\mu\mu\text{F} \pm 0.5 \mu\mu\text{F}$ Ducon CBA		C37C	16 $\mu\text{F}$ Electrolytic 450V working	
R6	1.0 megohm	$\frac{1}{2}$ " "		N3000 ceramic	220452	C38	10 $\mu\text{F}$ non-polarised Electrolytic	
R7	15,000 ohms	2 " "	C12	0.05 $\mu\text{F}$ paper 200V working		C39	0.22 $\mu\text{F}$ paper 200V working	
R8	1.0 megohm	$\frac{1}{2}$ " "	C13	150 $\mu\mu\text{F} \pm 5\%$ mica		C40	0.1 $\mu\text{F}$ paper 500V working	
R9	Filter Unit Ducon CRA 100	337012	C14	150 $\mu\mu\text{F} \pm 5\%$ mica		C41	0.005 $\mu\text{F}$ paper 500V working	
R10	10.0 megohms	$\frac{1}{2}$ watt	C15	0.02 $\mu\text{F}$ paper 350V working		TRANSFORMERS		
R11	10,000 ohms	$\frac{1}{2}$ " "	C16	6 $\mu\text{F}$ Electrolytic 450V working		T1	Vibrator Transformer (6 volt models) 25850	
R12	0.5 megohms, tapped volume control (includes S1)	32819/3	C17	0.01 $\mu\text{F}$ paper 200V working		T2	Vibrator Transformer (12 volt models) 25852	
R13	0.22 megohm	1 watt	C18	150 $\mu\mu\text{F} \pm 5\%$ mica			Loudspeaker Transformer ..... 20888	
R14	22,000 ohms	$\frac{1}{2}$ " "	C19	150 $\mu\mu\text{F} \pm 5\%$ mica		S1	Power ON/OFF Switch (on R12)	
R15	1.0 megohm tone control	32819/3	C20A )	Filter Unit Ducon CRA 100	337012	S2	Muting Switch (on tuner frame)	
R16	0.27 megohm	$\frac{1}{2}$ watt	C20B )			VIB	VIBRATOR CARTRIDGE	V5105 V5123
R17	47,000 ohms	$\frac{1}{2}$ " "	C21	25 $\mu\text{F}$ Electrolytic 40 P.V.			6 volt	
R18	390 ohms	1 " "	C22	0.039 $\mu\text{F}$ paper 200V working		F1	FUSE	
R24	0.15 megohm	$\frac{1}{2}$ " "	C23	(0.05 $\mu\text{F}$ in Holden 4 Model 924B)			10 amp. cartridge	
R25	0.15 megohm	$\frac{1}{2}$ " "	C24	47 $\mu\mu\text{F} \pm 5\%$ N750 ceramic		CMF1	CONNECTOR	
				0.01 $\mu\text{F}$ paper 350V working			H853 Connector	234006