

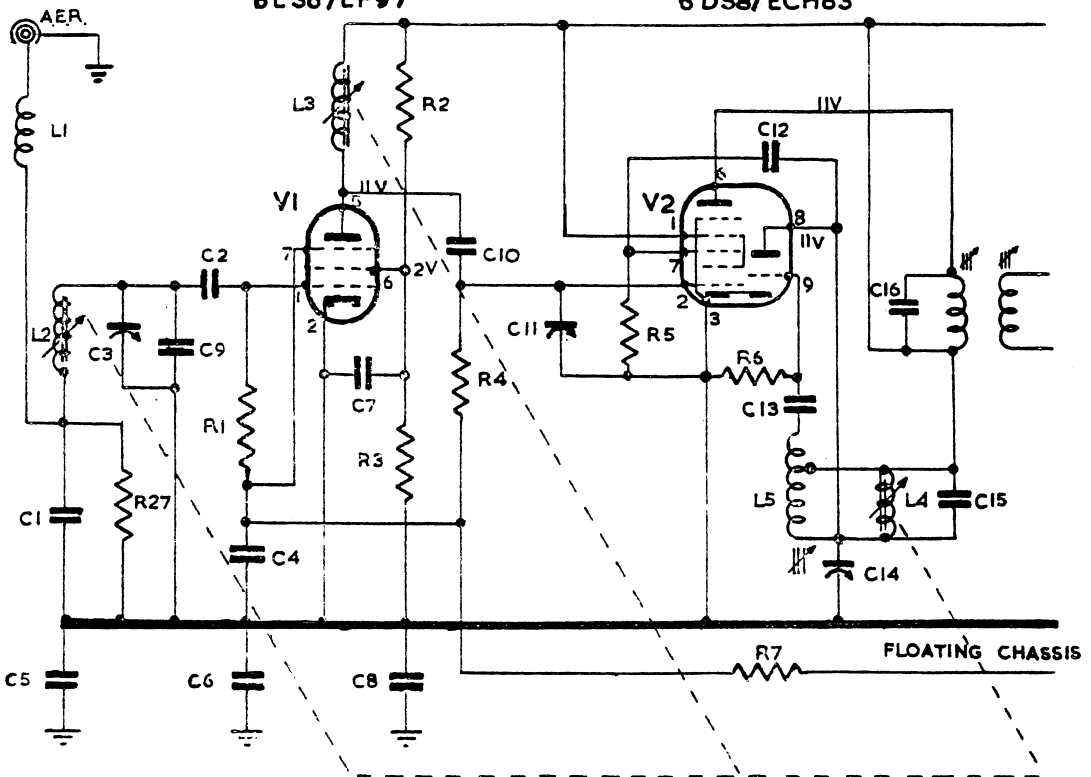
NB. VOLTAGES MEASURED BETWEEN POINTS INDICATED AND FLOATING CHASSIS

**MODEL 118-119**  
**TRANSISTOR POWERED CAR RADIO**

\* MEASURED WITH A V.T.V.M.

6ES6/EF97

6DS8/ECH83



ND: VOLTAGES MEASURED  
BETWEEN POINTS INDICATED  
AND FLOATING CHASSIS

MODEL 118/119

When push button tuner is used L363 (identified by push buttons with metal inserts) the above tuning circuit is incorporated.

CAPACITORS

- C 1. 1000  
C 1. 100 p.f. moulded  
C 2. 470 p.f. ceramic  
C 3. Simplex trimmer CT3.55  
C 4. .047 u. f. 200V paper  
C 5. 4700 p.f. ceramic  
C 6. " " "  
C 7. .1 u.f. 100 V. paper  
C 8. .25 u.f. 200 V moulded  
C 9. 22 p.f. N750 ceramic  
C10. 120 p.f. 10% mica  
C11. 3 plate trimmer J-BELL  
C12. 50 p.f. 600 V moulded  
C13. 100 p.f. 600 V "  
C14. Air trimmer 3-30 p.f.  
C15. 68 p.f. N.P.O. ceramic  
C16. 100 p.f. + 5% mica

RESISTORS

- R 1. 1.meg  $\frac{1}{2}$  W. 20% carbon  
R 2. 10. K.  $\frac{1}{2}$  W. 10% "  
R 3. 3.9 K.  $\frac{1}{2}$  W. 10% "  
R 4. 470 K.  $\frac{1}{2}$  W. 20% "  
R 5. 100 K.  $\frac{1}{2}$  W. 20% "  
R 6. 47 K.  $\frac{1}{2}$  W. 20% "  
R 7. 2.2 meg.  $\frac{1}{2}$  W. 20% carbon  
R27. 100 K.  $\frac{1}{2}$  W. 20% "

INDUCTORS

- L 1. Aerial choke L210  
L 2. Aerial coil ) Press button  
L 3. R. F. coil ) assembly  
L 4. Osc. coil ) L363  
L 5. Padder coil R865

N. B. Tuning range of coil unit L363 = 530 to 1610 K.C.  
Oscillator grid current 40 - 48 micro-amps over tuning range.

COMPONENT PARTS LIST M118/119

CAPACITORS.

- C 1. 68 p.f. ceramic
- C 2. 470 p.f. "
- C 3. Simplex trimmer CT3.55
- C 4. .047 u.f. 200 V. paper
- C 5. 4700 p.f. ceramic
- C 6. " " "
- C 7. .1 u.f. 100 V. paper
- C 8. .25 u.f. 200 V. moulded
- C 9. 22 p.f. N750 ceramic
- C10. 120 p.f. 10% mica
- C11. 3 plate trimmer J-BELL
- C12. 50 p.f. 600 V. moulded
- C13. 100 p. f. 600 V. moulded
- C14. Air trimmer 3-30 p.f.
- C15. 22 p.f. N330 ceramic
- C16. 100 p.f. 5% mica
- C17. " " " "
- C18. .1 u.f. 100 V. paper
- C19. 100 p.f. 5% mica
- C20. 100 p.f. 600 V. moulded
- C21. " " " "
- C22. 100 p.f. 5% mica
- C23. 500 u.f. 15 V. electrolytic.
- C24. .005 u.f. 200 V. moulded
- C25. " " " "
- C26. .001 u.f. 400 V. "
- C27. .01 u.f. 200 V. "
- C28. .005 u.f. " "
- C29. 500 u.f. 15 V. electrolytic
- C30. " " " "
- C31. 1 u.f. 200 V. moulded

TRANSFORMERS.

- T1. I.F. 455KC R857
- T2. I.F. 455KC R665
- T3. Driver transformer T130
- T4. Speaker transformer R853

INDUCTORS.

- L1. Aerial choke L210
- L2. RF. coil ) Press button
- L3. Aer.coil ) assembly
- L4. Osc.coil ) No.36349
- L5. Padder coil R860
- L6. Choke L.T. smoothing R858
- L7. Choke H.F. filter R859

RESISTORS.

- R 1. 1. meg  $\frac{1}{2}$  W. 20% carbon
- R 2. 10 K.  $\frac{1}{2}$  W. 10% "
- R 3. 3.9 K " " "
- R 4. 470 K  $\frac{1}{2}$  W. 20% "
- R 5. 100 K  $\frac{1}{2}$  W. " "
- R 6. 47 K.  $\frac{1}{2}$  W. 20% "
- R 7. 2.2 meg " " "
- R 8. 1. meg  $\frac{1}{2}$  W. 20% "
- R 9. 500 K. Pot. (concentric)
- R10. 100 K. " "
- R11. 47K.  $\frac{1}{2}$  W. 20% carbon
- R12. 10. meg  $\frac{1}{2}$  W. " "
- R13. 47 ohm.  $\frac{1}{2}$  W. 10% "
- R14. 220 K.  $\frac{1}{2}$  W. 20% "
- R15. 470 K.  $\frac{1}{2}$  W. " "
- R16. 10 K.  $\frac{1}{2}$  W. 10% "
- R17. 10 meg.  $\frac{1}{2}$  W. 20% "
- R18. 47 ohm. 1 W. 10% "
- R19. 100 ohm BW1 20%
- R20. 100 ohm. 1 W. slide resistor
- R21. 10 ohm BW1 20%
- R22. 5.6 K.  $\frac{1}{2}$  W. 10% carbon
- R23. 100 BW1 20%
- R24. 1 ohm. BW1 10%
- R25. " " " "
- R26. 20 ohm. 3W. w/w

VALVES.

- V1. 6ES6/EF97.
- V2. 6DS8/ECH83.
- V3. 6DR8/EBF83.
- V4. 6DR8/EBF83.
- V5. 6ET6/EF98.

TRANSISTOR.

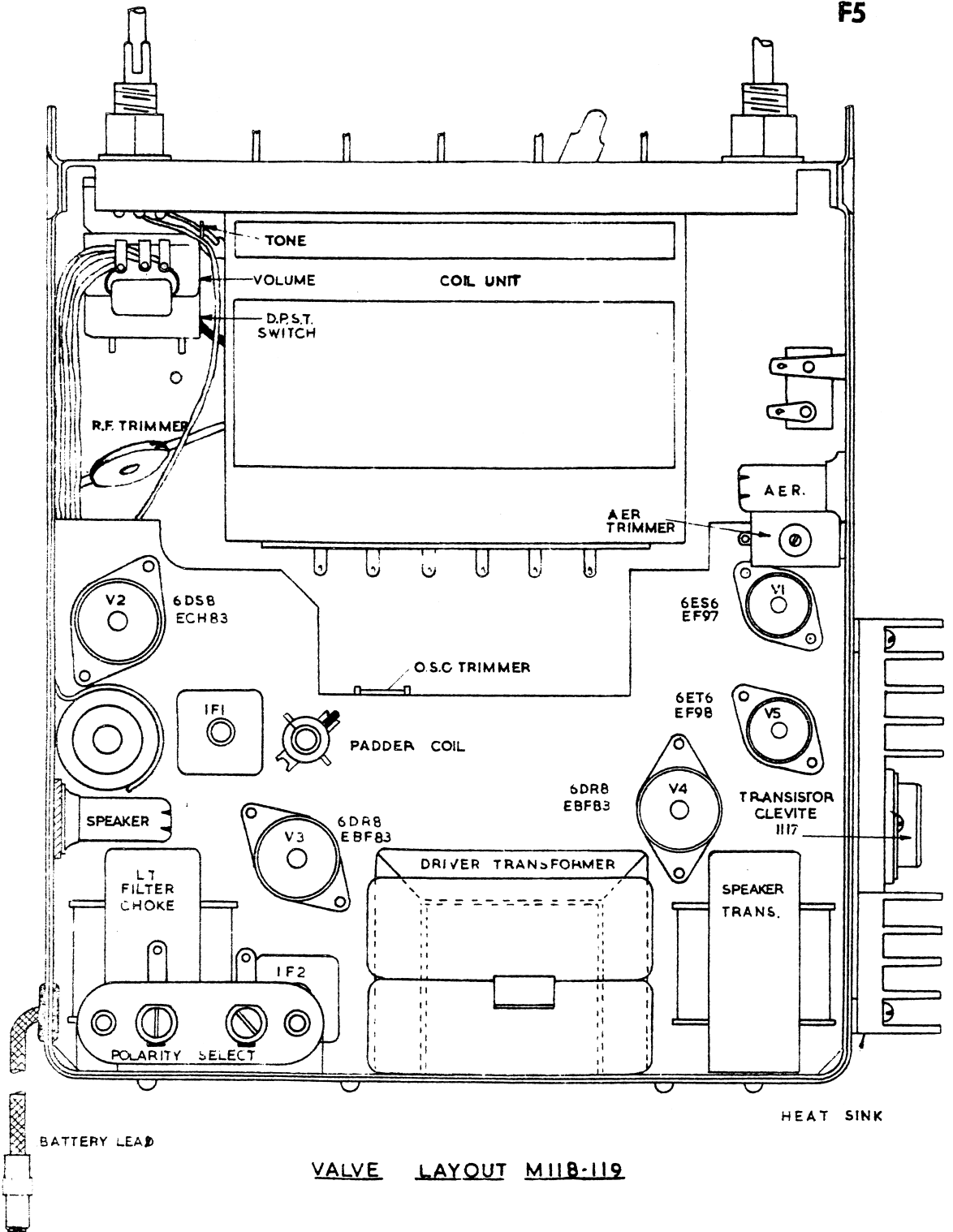
Clevite type CTP1117

DIAL LAMP.

12 V. M.E.S.

FUSE RATING.

5 Amp.



VALVE LAYOUT MIIB-119