

Fig.1 CIRCUIT DIAGRAM

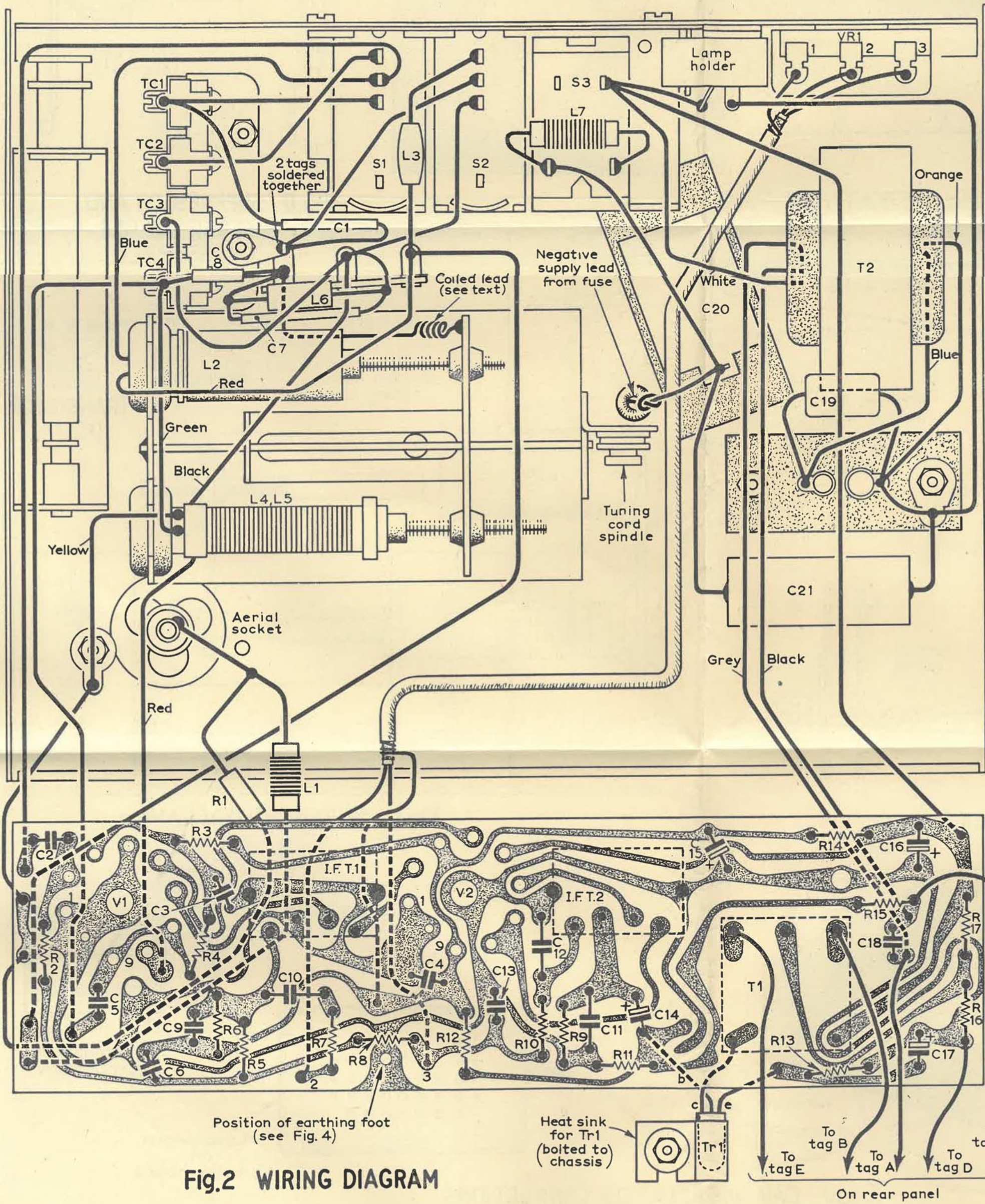


Fig.2 WIRING DIAGRAM

COMPONENTS LIST

Resistors:

- R1 330kΩ
- R2 470kΩ
- R3 47Ω 10%
- R4 47kΩ 10%
- R5 10MΩ
- R6 4.7MΩ
- R7 330kΩ
- R8 1MΩ
- R9 2.7kΩ 10%
- R10 100kΩ
- R11 10kΩ 10%
- R12 68kΩ 10%
- R13 1kΩ 10%
- R14 220Ω 10%
- R15 680kΩ
- R16 18Ω 5%
- R17 1.8kΩ 5%
- R18 6.8Ω 10% 1W
- R14 220Ω
- R8 1MΩ
- R7 330kΩ
- R10 100kΩ
- R12 68kΩ
- R17 1.8kΩ
- R15 680kΩ
- R16 18Ω
- R13 1kΩ
- R11 10kΩ
- R9 2.7kΩ

Inductors:

- IFT1, 2 I.F. transformers
- L1 25μH r.f. choke
- L2, 4, 5 M.W. aerial and oscillator coils, part of permeability tuner unit mounted on chassis.
- L3 L.W. aerial loading coil (yellow)
- L6 L.W. oscillator loading coil (green)
- L7 25μH r.f. choke
- L8* 25μH r.f. choke
- T1 Push-pull driver transformer
- T2 Push-pull output transformer

Valves and Transistors:

- V1 ECH83
- V2 EBF83
- Tr1 OC82D
- Tr2, 3 OC82 matched pair

Miscellaneous:

- S1, S2, S3 Push-button switch unit
- LPI 12V 2.2W bulb MES
- F1 2A fuse
- Bulbholder, Elliptical loud-speaker, Printed circuit board, Tuning dial, Two 1 1/2in. x 4BA spacers, One two-pin plug and socket, One 3-way tag strip, One grommet, One 6-way tag strip, Speaker baffle, Two control knobs, Two B9A printed circuit valveholders, Two valve screening cans B9A, Two screening can earthing clips, Fuseholder, Three transistor heat sinks.

Capacitors:

- C1 470pF silver mica or Polycap 5%
- C2 70pF ceramic or silver mica
- C3 0.1μF Polycap
- C4 0.1μF Polycap
- C5 56pF ceramic or silver mica
- C6 0.04μF Polycap
- C7 150pF Polycap or silver mica 2.5%
- C8 330pF Polycap or silver mica 2.5%
- C9 220pF ceramic or silver mica
- C10 0.01μF ceramic
- C11 0.01μF ceramic
- C12 100pF ceramic or silver mica
- C13 470pF ceramic or silver mica
- C14 2μF elec. 15V
- C15 100μF elec. 15V
- C16 100μF elec. 15V
- C17 25μF elec. 6V
- C18 0.1μF Polycap
- C19 0.04μF Polycap
- C20 Spark plate, see text
- C21 0.5μF paper
- C22* 0.5μF paper

Variable Capacitors:

- TC1-4 4-way trimmer bank

Nuts, Bolts, Wire, etc.:

- Eight self-tapping screws.
- Seven 6BA x 1/4in. bolts.
- Seven 6BA full nuts.
- Four solder tags. Two 4BA x 1 1/2in. bolts. Five 4BA x 1/2in. bolts. Seventeen 4BA full nuts. Seven 4BA washers. Four 4BA x 1/4in. bolts. Twelve inches of twin screened lead. Two yards of twin stranded lead. Single stranded lead and systoflex. Adhesive double-sided tape 2in. x 1in. (C20—see text).

Main Metalwork and drive components, etc.:

- Main chassis fitted with dial-drive assembly, aerial socket and permeability tuner unit (L2, L4, L5).
- Rear panel
- Metal cover
- Chrome escutcheon

* The filter/suppressor components, C22/L8, are supplied as a complete, assembled unit