

WIRELESS SET, CANADIAN, NO 19, MK 3

TECHNICAL HANDBOOK - MODIFICATION INSTRUCTION

Removal of B-set facility

SUMMARY

1. It has been decided that the B-set will no longer be maintained and this instruction details the method of isolating the B-set and the removal of the B-set facilities.

Estimated time required for completion of this modification: 1.1/2 man-hours.

2. Items affected:-

Wireless set, Canadian, No 19, Mk 3

3. Action required by:-

Units authorized to carry out field or base repairs:-

- (i) Indent for stores
- (ii) When stores are available carry out the modification in accordance with this instruction.

4. Priority: Group 'B' (ACI 96/54 refers).

Stores required:-

<u>VAOS,</u> <u>Section</u>	<u>Part No</u>	<u>Designation</u>	<u>Qty</u> <u>per eqpt</u>
Z	Z 243328	Resistors, 39Ω +5%, 1.1/2W	1
Z1	ZA 44779	Plug, metal, 7/16 in. OD, panel hole 25/64 in. dia.	1
Y3	6145-1179	Wire, electric equipment, type 2, 14/0076, PVC, med wall, black (or similar)	12 in.

Authority for demand (to be quoted on all indents) T/W/AK/146.

DETAIL

6. (a) Withdraw the set from its case and remove the baseplate.
- (b) Identify the underside of valveholders V1E, V1F, V8B, (Tels F 224, Fig 7 refers).
- (c) Disconnect the wire from pin 2 of valveholder V1F to earth. Disconnect the linking wires between pin 7 of V1D and pin 7 of V1F and also those between pin 2 of V1E and pin 7 of V8B.

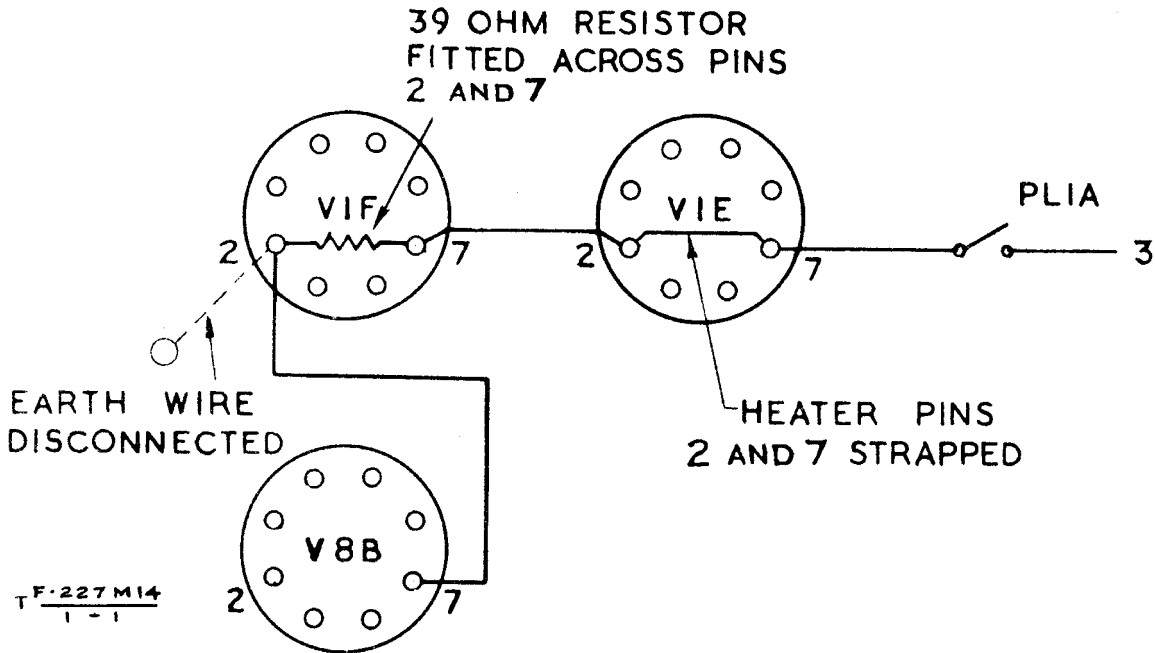


Fig 1 - Underside view of valveholders

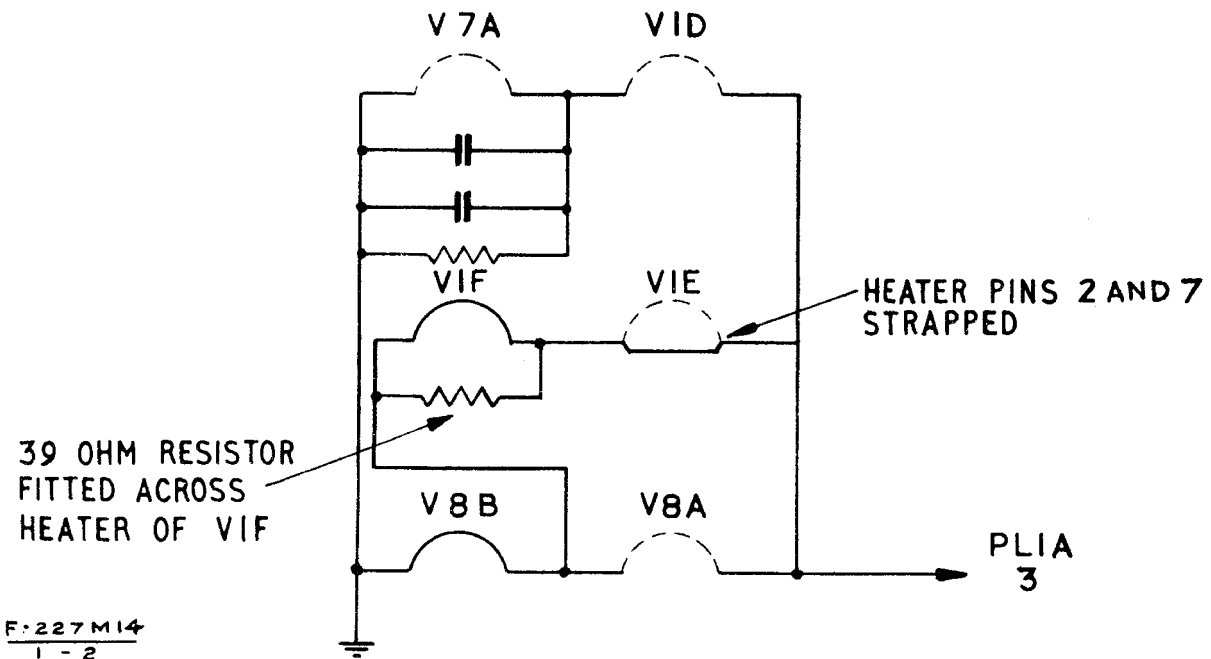


Fig 2 - Schematic diagram

- (d) Connect a wire between pin 2 of valveholder V1F and pin 7 of valveholder V8B.
- (e) Solder the 390 resistor between pins 2 and 7 of valveholder V1F.
- (f) Solder a wire between pins 2 and 7 of valveholder V1E.
- (g) Remove the screening cans from valves V1D and V1E and remove valves V7A, V1D, V1E and V8A from the equipment. The grid leads of valves V1D and V1E will be neatly removed; the former by disconnecting the lead at a point as close as possible to the junction of capacitor C15G and resistor R6G, and the latter at the B-set relay, top layer terminal No 2 (Tels F 224 Table 25 refers). Remove the retainer of valve V8A where fitted.
- (h) Disconnect, at switch S1CE, the l.t. and h.t. feeds to the B-set anodes and heaters, etc. Remove the connections from pins 5 and 8 of plug PL2A. The ends of the disconnected wires will be insulated by pulling the sleeving over the disconnected end and securing the sleeving.
- (j) Replace the baseplate and turn the set right-way up.

- (k) Disconnect choke L26A from the B-set aerial plug. Remove choke L26A from the equipment. Remove the B-set aerial plug from the front panel, retaining the two parts of the insulating bush. If a braided metal strap, connected to the screening box and secured to the front panel by the B-set aerial plug is fitted this will also be removed.
- (l) Fill the hole from which the B-set aerial plug has been removed with the Plug, metal, Z1/ZA 44779. Secure this plug by bending over the lugs on the inside part of the insulated bush.
- (m) Replace the equipment in its case and test for correct operation.

57/Maint/6610

END