

R E S T R I C T E D

ELECTRICAL AND MECHANICAL
ENGINEERING REGULATIONS
(By Command of the Army Council)

TELECOMMUNICATIONS
~~F 667~~ Mod. Inst. No. 1
F127

WIRELESS SET NO. 88, TYPE 'A' A.F.V.

TECHNICAL HANDBOOK - MODIFICATION INSTRUCTION

Modification instructions procedure

SUMMARY

1. This instruction details the method that will be adopted when publishing modification instructions on this equipment.

DETAIL

2. Modification instructions which refer to the Wireless set No. 88, type 'A' and/or type 'B', will be published under the Tels. F 657 series, irrespective of whether they also concern the Wireless set No. 88, type 'A' A.F.V.

3. Modification instructions which concern the A.F.V. type wireless set only, or which concern any other part of the A.F.V. installation (e.g. the P.S.U. and L.F. amplifier), will be published under the Tels. F 667 series.

57/Maint./4014 .

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END

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R E S T R I C T E D

ELECTRICAL AND MECHANICAL
ENGINEERING REGULATIONS
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TELECOMMUNICATIONS
F 727 Mod Instr No.2

WIRELESS SET NO.88, AFV

TECHNICAL HANDBOOK - MODIFICATION INSTRUCTION

Power supply and LF amplifier unit No.2 - prevention of grid current in V4

SUMMARY

1. Some valves CV784, used in position V4, exhibit positive grid current, which causes a reduction in amplification. Negative bias, obtained by inserting a resistor between filament and earth, overcomes this fault. The original series dropping resistor is decreased correspondingly in value to prevent under running of the filament.

Estimated time required to complete modification: 1/4 man-hour.

2. Items affected:-

Power supply and LF amplifier unit No.2

3. Action required by:-

REME field and base workshop units:-

(a) Indent for stores.

(b) Carry out this instruction when equipment is undergoing repair.

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

5. Stores required:-

| <u>V4OS</u> <u>Section</u> | <u>Part No.</u> | <u>Designation</u> | <u>Qty</u> |
|-------------------------------|-----------------|---|------------|
| Z | Z245073 | Resistor, WW, lacquered, wire end, 3/4W, 20Ω $\pm 2\%$ | 1 |
| Z | Z245209 | Resistor, WW, lacquered, wire end, 3/4W, 100Ω $\pm 2\%$ | 1 |

Authority for demand (to be quoted on all indents) - T/W/BE/1
One No. 6BA soldering tag is to be obtained locally.

DETAIL

6. (a) Remove the unit from its case; identify valve V4 (See Tels F724 Fig 1002)
- (b) Remove by cutting, the connection between pins 1 and 3.
- (c) Fit the soldering tag under the nut, securing the screw in the corner of the chassis, by terminal of transformer T5.
- (d) Solder the new 20Ω resistor between pin 1 of V4 and this tag, i.e. between filament and earth.

- (e) Remove the existing 120Ω resistor (R18) and fit the new 100Ω resistor
- (f) Replace the unit in its case and test.

Recording of modification

- 7. Strike through figure 2 on the modification record plate (located under vibrator).

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END