

RECEPTION SETS AR88D and AR88LF

TECHNICAL HANDBOOK - MISCELLANEOUS INSTRUCTION

Redesignation of EMERs

Information

1. The modification instruction below has been redesignated into this series because its information is still valid. The remainder of the EMERs in the same series have been cancelled as the information in them is contained in this series.

Action

2. The following EMER will be redesignated as shewn.

Issue 1, 17 Aug 56

Distribution - Class 910. Code No 4

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EMER designation (a)	Present designation			New designation (e)
	Pages (b)	Issue No. (c)	Date (d)	
Tels E 757 Mod Instr No 1	1 to 3	1	Sep 44	Tels E 777 Mod Instr No 1

LTR 242 (6-6-56)

END

R E S T R I C T E D

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

TELECOMMUNICATIONS
E 779 Misc Instr No 2

RECEIVERS, RADIO, AR88D AND AR88LF

TECHNICAL HANDBOOK - MISCELLANEOUS INSTRUCTION

SUB-TITLE: Capacitor replacements

SUMMARY

1. A number of semi-fixed ceramic capacitors, intended for maintenance of Receiver, radio, AR88, and having a manufacturers part number SUSS/3D/9020/V/34, exist in Ordnance. Some of the capacitors are deficient of a locking nut and a solder tag. The tag is of a type which would be available locally, but the nut is of a special type which is not available and is also not suitable for manufacture in REME work-shops.

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ELECTRICAL AND MECHANICAL
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2. In order that the deficient capacitors may be used, it has been decided that they may be issued in their existing condition, as required. This regulation details the action to be taken when such capacitors are received.

ACTION

3. When capacitors as stated in para 1 are received deficient of a locknut and solder tag, fit a suitable tag of local provision. Remove the appropriate locknut of the component which is being replaced and fit it to the new component.

T/60923 (D & M)

END

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ELECTRICAL AND MECHANICAL
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TELECOMMUNICATIONS
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RECEIVERS, RADIO, AR88D AND AR88LF

TECHNICAL HANDBOOK - MISCELLANEOUS INSTRUCTION

SUB-TITLE: Alignment of the i.f. channel

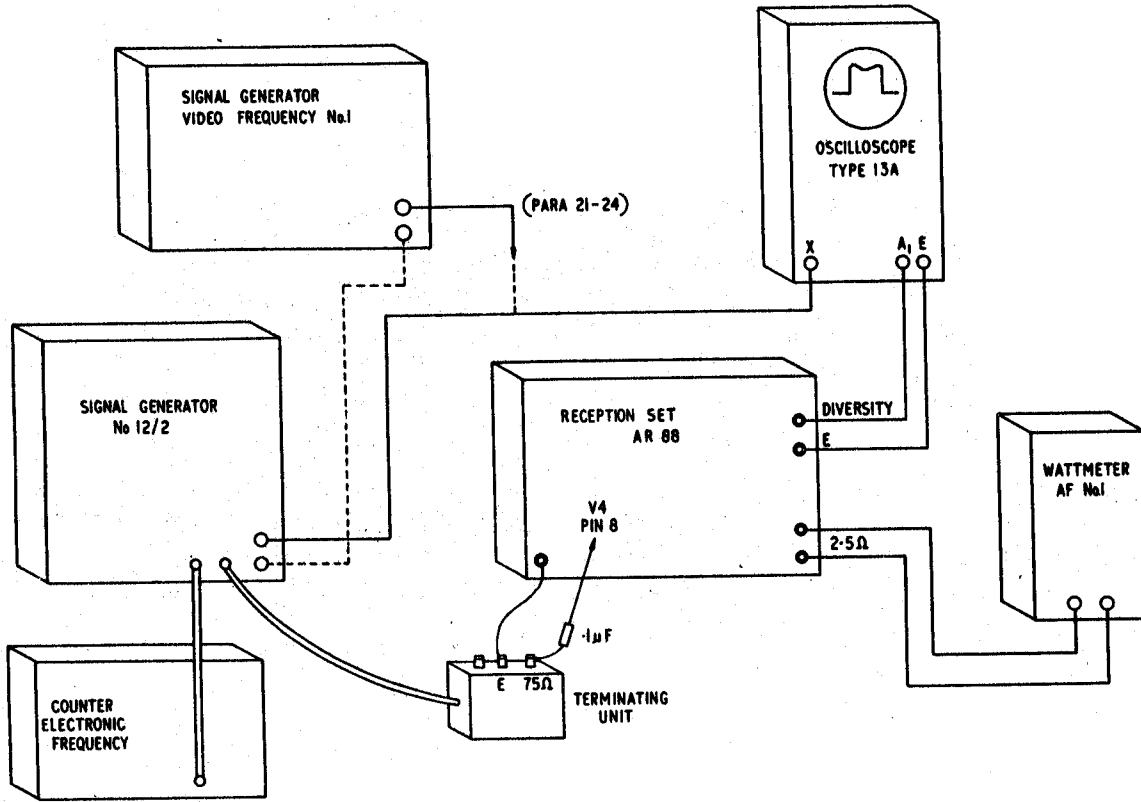
1. Introduction

Some of the test equipment originally detailed in Tels E 774 (eg Oscillator, ganging, No 2) is now obsolete. This instruction describes an alternative method of aligning the i.f. channel on the AR88D and AR88LF using current test equipment.

Current test equipment		Equipment replaced	
Item	Part No	Item	Part No
Counter, electronic frequency	Z4/6625-99-933-1822	Frequency meter, SCR 211	Z1/ZC 1411
Signal generator, video frequency, No 1	Z4/ZD 04247	Oscillator, beat frequency, No 8	Z4/ZD 00198
Signal generator, set, No 12/2	Z4/6625-99-102-8077	Signal generator No 1, Mk 3	Z4/ZD 00391

2. I.F. channel alignment

- (a) Proceed as in para 26 to 28 of Tels E 774.
- (b) Connect the oscilloscope and Signal generator No 12/2 etc as illustrated in Fig 1.
- (c) Set the CRYSTAL CHECK switch to 2Mc/s. Adjust the SET MODULATION control for f.s.d. on the meter.
- (d) On the oscilloscope set the VELOCITY RANGE to 10c/s and the FINE VELOCITY for optimum trace length. A setting of between 10 and 15 is normally required giving a timebase frequency of 30-50c/s.
- (e) Proceed as in para 31 to 35 of Tels E 774. When adjusting the response in SELECTIVITY position 1 a sweep of at least 25kc/s is required and the SET MODULATION control must be increased to achieve this. (It should be noted that the meter on the signal generator only reads up to 15kc/s deviation and will thus be hard against its end stop).



T E779MS
1-1 2146/33

Fig 1 - Layout of test equipment

T/8c/2146

END