

RADIO SET A510

MODIFICATION SUMMARY

INTRODUCTION

1. This instruction summarizes in table 1 modifications that have been issued, including superseded and cancelled instructions on the above equipment. They are listed in numerical sequence and recipients of subsequent instructions will enter detail thereof in the appropriate place.

SCOPE

2. Sufficient detail is included to enable:-
- The recipient to determine if the modification has been incorporated in the equipment.
 - An experienced tradesman to carry out the modification if not incorporated. Reference will be necessary to detailed modification instruction for stores required and necessary drawings.

TABLE 1 - MODIFICATIONS ISSUED

Instr No	Priority Group	Brief Description of Modification	Record Action	Est Mhr	Type of Work
F 567-1	2	(A) Increasing keying speeds by replacing capacitors C109, C129 and incorporating R117 in key circuit. Remove transmitter chassis. Replace C109 with 0.005 μ F capacitor. Remove C111 and discard. Connect C129 (0.005 μ F) between pin 3 of V6 and spigot of V7. Remove existing lead between centre tag SK3 and pin 7 of switch SWE. Connect R117 (220 k Ω) between these points.	Mod Record Plate Transmitter 1 Receiver 1	1	RAEME Field and Base
		(B) Circuit changes to improve netting and reduce spurious responses. Remove receiver chassis. Cover body of C40 (12 ρ F) with 10 mm PVC sleeving and connect between pin 1 of L10 and tag marked R17. Unsolder and remove wire between pin 2 of V5 and tag (marked R7) and connect C41 (12 ρ F) between these points. Connect R21 (10 k Ω) between tag (marked R7) and centre spigot of V4. Connect insulated wire between pin 4 of V4 and tag (marked R7). Connect C42 (4.7 ρ F) between pin 4 of V4 and pin 1 of TR2. Check netting and receive operation.	Mod Record Plate Receiver 2	1.5	RAEME Field and Base

TABLE 1 (CONTD)

Instr No	Priority Group	Brief Description of Modification	Record Action	Est Mhr	Type of Wksp
F 567-1 (contd)	2	(C) Replacement of clicker plate mechanism when failure occurs. Remove receiver from case, open hinged front panel assembly. Replace clicker plate and spindle assy and Plates Index, wave change switch with improved type (1/8 in steel ball is substituted for indexing pin).	Mod Record Plate Receiver 3	1	RAEME Field and Base
		(D) To provide more reliable sealing and prevent damage to cone lock and cable cover. Remove cable and cover from transmitter connector. Remove cone lock and discard, fit new cone lock in position and spread braid evenly. Fit new cover and terminate leads, sleeve each connection with 1/2 in of PVC tubing. Feed excess cable into cover and replace gland nut. Carry out the same replacement of cones and cover on receiver connector.	Mod Record Plate Transmitter Receiver 2 & 3 4 & 5	4	RAEME Field and Base
		(E) Replace Worm Drive Shaft Assembly on receiver to overcome backlash. The new assembly is a direct replacement for the original and differs in that a spring loaded 1/8 in steel ball is included as an anti-backlash measure. On reassembly ensure spiral gears are loaded correctly.	-	2	RAEME Field and Base
F 567-2	2	Increasing of spring tension on Transmitter Tuning Dial. Remove transmitter tuning unit assembly. Remove cursor plate and tuning dial. Increase spring tension on assembly by cutting half a turn from coil spring. Replace dial and cursor plate ensuring correct alignment.	Mod Record Plate Transmitter 4	2	RAEME Field and Base
F 567-3	2	Replacement of Function Switch Lever with an improved hinged type (Z1/TSE(W)8-729).	Mod Record Plate Transmitter 5	0.25	RAEME Field and Base

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