21 ARMY GROUP CATEGORY "C"

To be carried out when in workshops or at the convenience of the service. Demand stores through normal ORD channels

ELECTRICAL AND MECHANICAL ENGINEERING REGULATIONS

TELECOMMUNICATION
K 317 Mod. Inst. No. 3

AMPLIFIER, R.F., NO. 2

(Aerial tuning inductance No. 17)

This replaces Tels. K 317. Modification Instruction No. 3 Issue 1.
Paras. marked thus • have been amended; para 13 has been omitted.

SUMMARY

1. The wire on the present aerial tuning inductance becomes sufficiently dirty to produce an intermittent contact with the contact wheel. New sets are being fitted with a contact wiper, and existing sets will be modified accordingly.

Time required to perform modification - 2 man-hours.

2. Items affected:

Aerial, tuning, inductance, No. 17 (ZA 15372).

• 3. Action required by R.E.M.E. personnel concerned at the request of the unit holding the equipment. Priority 'B'.

• 4. Stores required:

Cat. No.	Description	No. off per equipment
(1) ZA 22272	Springs, clamping, No. 2	2
(2) ZA 21201	Wiper, contact No. 1	1
(3) CA 1879	W.D. Grease No. 0	as required

Units in the U.K. and overseas theatres will demand items (1) and (2) from the Commandant C.O.D. Donnington.
Item (3) will be obtained from R.A.S.C. stores through the normal channels.
Authority for demand (to be quoted on all indents) - T/W 140.

5. Stores returned: Nil.

DETAIL

6. Examine the equipment concerned and if the Aerial tuning inductance No. 17 do not possess a contact wiper, proceed as follows:-

7. Rotate the AERIAL TUNING INDUCTANCE knob until the contact wheel is brought to the stop nearest the front panel, and lock the knob with the locking device.

8. The spindle carrying the contact wheel is held at each end by flat springs, a these have to be reinforced. To do this proceed as follows:-

(a) Remove the securing screws from one spring at a time, and between it and the insulated tie-bar, holding the ends of the complete assembly toge the insert the new strengthening spring (Spring, clamping, No. 2, ZA 22272). One of these will be needed for each of the two springs concerned.

(b) When replacing the securing screws, engage, for the time being, the first threads only, leaving the pressure on the contact wheel as slack as possible.

9. Insert the contact wiper (Wiper, contact, No. 1, ZA 21201) under the contact wheel, so that the wheel is located in the central slot in the contact wiper, and the wheel boss rides in the radiused form in the middle of the wiper. Ensure that supporting springs at either end of the spindle are not strained. Again see that the wheel is engaged with correct turn - the one from which it was originally removed and that the ends of the contact wiper also make contact with this same turn.

10. Tighten the screws at each end of the tie-bar, thus applying the necessary tension to the wheel and the wiper.

11. Unlock the AERIAL TUNING INDUCTANCE knob, lubricate the wheel boss with a little anti-freeze grease (W.D. Grease O) and run the wheel up and down the coil a few times.

12. Record completion of modification on modification recording card (if fitted) against number - T/T 140.

END