

STATION, RADIO, A14

TECHNICAL HANDBOOK - MISCELLANEOUS INSTRUCTION

SUB-TITLE: Replacement of VT1 in the r.f. amplifier

SUMMARY

1. Difficulty has been experienced in obtaining sufficient quantities of the transistor fitted in the power amplifier stage, VT1, of the r.f., amplifier which will meet the specification requirements. This trouble has now been overcome by the introduction of a transistor assembly which may consist of one or more transistors together with a variety of capacitors which, overall, will meet the specification for the original transistor. The assembly is not repairable; it should be discarded if it becomes faulty.

ACTION

2. When it becomes necessary to replace transistor VT1 in the r.f. amplifier this is to be carried out by substituting Panel, electronic circuit, Z1/5825-99-198-6067 for the existing transistor and its heat sink, with which the new item is completely interchangeable.

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3. It is essential that both sides of the mica disc, fitted between the transistor box assembly and the backplate, should be completely covered with a thin coat of silicon grease (H1/6850-99-942-4829).

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END

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STATION, RADIO, A14

TECHNICAL HANDBOOK - MISCELLANEOUS INSTRUCTION

SUB-TITLE: Amplifier r.f. - change to transistor VT6

1. SUMMARY

Experience in production during testing under high temperature conditions has shown that transistor 2N2067 (CV9803 5960-99-108-3514), used in position VT6 of the r.f. amplifier does not always maintain the specified performance. Change for future production has therefore been made to type 2N2068 (5961-99-197-3444).

2. ACTION

On failure of transistor VT6 fit new type transistor 2N2068 (5961-99-197-3444).

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END

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STATION, RADIO, A14TECHNICAL HANDBOOK - MISCELLANEOUS INSTRUCTIONSUB-TITLE: Securing buckle-chapes on shoulder straps1. Introduction

Reports have been received that the stitching securing the buckle-chapes to the shoulder straps on the Bag, carrying webbing is insecure. Investigation showed that the stitching on a number of bags, had not been finished off correctly. This instruction details the action to be taken when the stitching retaining the buckle-chapes to the shoulder straps is found to be insecure.

2. Action

(Fig 1)

The binder stitch is made by hand, using a needle and double thickness thread, the needle being either a curved upholsterer's or saddler's type used for double-hand stitching. Use thread 18/3 cord linen, proofed and dyed to match existing sewing. The needle is threaded double-thickness and knotted at the end, then inserted into the shoulder-strap close to the buckle-chape, piercing the shoulder-strap and emerging through the underside of the shoulder-strap and buckle-chape through the stitch hole approximately 1/8 in. from the edge of the buckle-chape. Form the binder stitch by over-stitching the edge of the buckle-chape to the shoulder strap twice, as shown, pulling the thread tightly each time. The needle and thread are then passed through the underside of the shoulder straps to emerge through the shoulder straps close to the edge of the buckle-chape and the binder stitch formed as previously, double knotting to secure. It is to be noted that separate binder stitches may be made by omitting the operation of passing the thread through the underside of the shoulder strap, providing the stitches are tightly secured.

FORMING THE BINDER-STITCHES

DOTTED LINE INDICATES THE THREAD BEFORE EACH STITCH IS PULLED TIGHT

END & KNOT

DOTTED LINE INDICATES THREAD PASSING UNDERSIDE OF SHOULDER STRAP AND CHAPE, AFTER FIRST STITCH HAS BEEN FORMED.

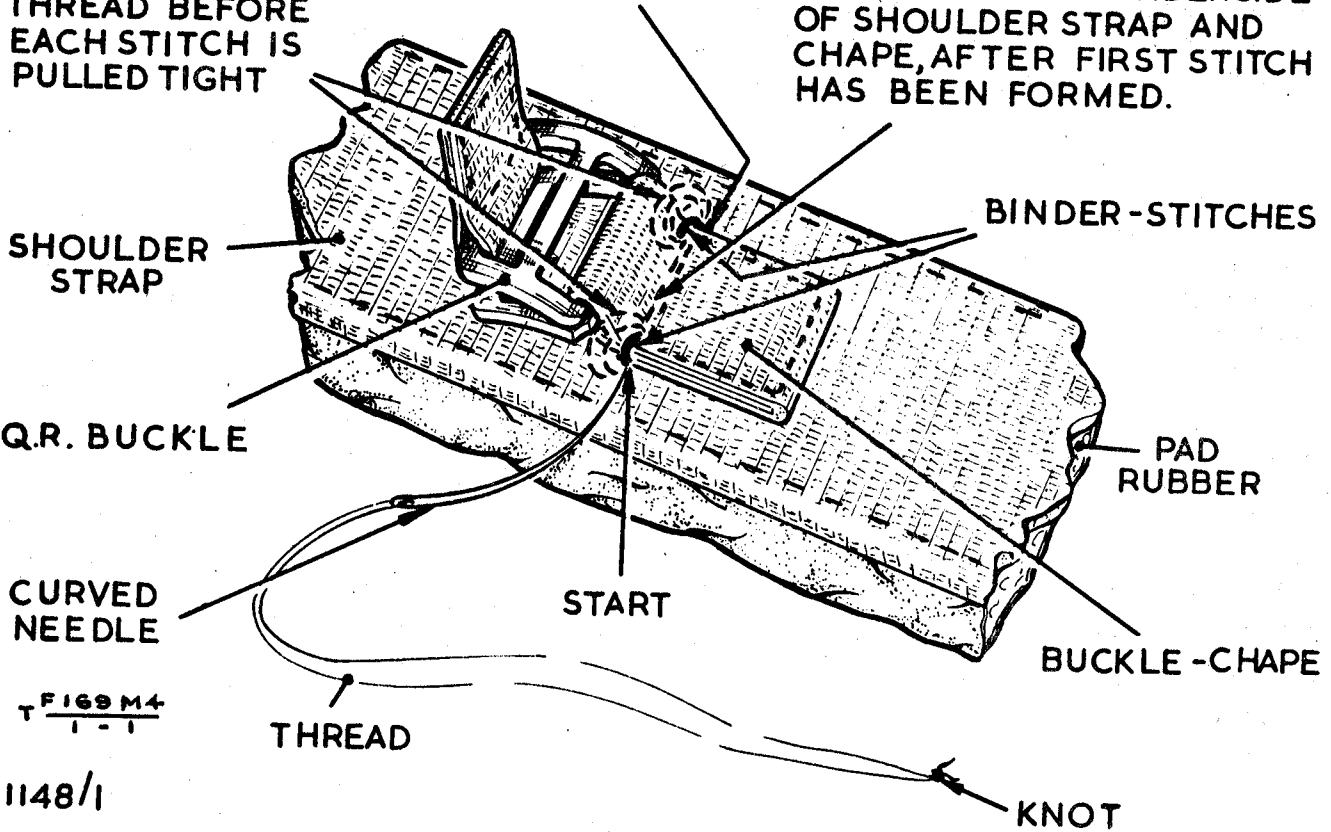


Fig 1 - Stitching detail

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TECHNICAL HANDBOOK - MISCELLANEOUS INSTRUCTION

SUB-TITLE: Module N, reversal of gear wheel

1. Introduction

To ease assembly and servicing of module N (5910-99-108-2863) the gear wheel at the rear of the unit, after serial No 1462, has been reversed on the shaft and a spacer fitted to fill the space of the gear wheel bush as originally assembled. The shaft is slightly longer to permit this reversal.

2. Action

No retrospective action is required and the gear wheel itself is unchanged. No modification strike off action has been made in respect of this change.

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END

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