

RESTRICTEDBR 333(1)
Original**AERIAL OUTFIT ALF****ALF****SUMMARY OF DATA****PURPOSE**

Aerial Outfit ALF is a loop aerial system for the frequency range 15 to 550 kHz designed for use in certain submarines in conjunction with Receiver Outfit CDY (Receiver B41). The two loops are designed for fitting within the submarine's fin; one, the Port-Starboard loop, being fitted at the after end and the other, the Fore-Aft loop, being fitted at the forward end. In some submarines, the forward loop (F-A loop) is wound in two halves installed in each side of the fin; the inner ends of the two halves being connected together by means of a Pattern 67750 Plug and Pattern 67749 Socket.

COMPONENT ITEMS

Loop aerial having turns lying fore and aft (F-A loop) with tail leads.

Loop aerial having turns lying athwartships (P-S loop) with tail leads.

Pattern 68664 Loop Coupling Unit 9 in by 9½ in by 13 in weight 33 lb

Junction box, two way, Pattern 4881 (2 in number)

Feeder cables Pattern 13806

FREQUENCY RANGE

15 to 550 kHz selecting either F-A loop or P-S loop. This is covered in 5 sub-ranges corresponding with those of Receiver B41 of Outfit CDY.

15 to 20 kHz using both loop aerials so as to provide reception on all relative bearings.

POWER REQUIREMENTS OF COUPLING UNIT

230 volt 50 Hz single phase 30 watts

HANDBOOK

BR 1163

ESTABLISHMENT LIST

E 1039

INSTALLATION SPECIFICATION

B 726

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