

AERIAL OUTFIT ALZ

ALZ

SUMMARY OF DATA

PURPOSE

Fin-mounted Outfit, for the reception of VLF/LF transmissions.

FREQUENCY RANGE

10 - 200 kHz

BRIEF DESCRIPTION

The antenna is mounted on the fore and aft line at the after end of the fin. Signals from the amplifier are passed to Aerial Control and Termination Outfit EUA(3) in the Submarine. The P/S and F/A Signals can be used separately or combined in EUA(3) to give omni-directional coverage.

MAJOR UNITS

Antenna	5985-99-924-5126
Amplifier, Head	5895-99-972-4077
Cable Assembly, R.F.	5995-99-520-0899
Cable Assembly, Special purpose	5895-99-972-4171

OPERATING MODES

Two modes dependent on the depth.

- (a) BROAD-BAND Mode. At depths between 0 and 25 ft., the outfit normally operates in the VLF/LF range 10 - 200 kHz.
- (b) VLF Mode. With increasing depth, auto switching occurs at 25 ft., to give optimum sensitivity in the VLF range 10 - 40 kHz. Manual switching is also available to select the mode most suitable for the reception conditions.

HANDBOOK

BR 2475

E LIST

S1517

INSTALLATION SPECIFICATION

81057