

**RESTRICTED**BR 333(1)  
Original**AERIAL OUTFITS AWH/AWO/AWQ****SUMMARIES OF DATA****AWH  
AWO  
AWQ****AERIAL OUTFIT AWH****DESCRIPTION**

This is an entirely lightweight, monopole, Whip Aerial Outfit, designed primarily for use with the new C.A.W. system for receivers. Four tubes, when assembled together, form a 30 ft Whip Aerial of 2 1/4 in outside diameter at base and tapering to 1 in diameter at the top. Each tube is of different diameter and so designed that it either rejects or fits a tube of the next diameter. Unified screw threads are used.

**MAJOR UNITS**

Pattern No.	Description	Weight
61828 to 61831 inclusive	Four aerial rods Design 21, 22, 23, 24	31 1/2 lb
61835	Base, insulating, Design 3 for whip aerial (includes two AP 61836 insulators)	50 lb
61836	Insulator, Porcelain	
61838	Cover, Protecting, for AP 61835 Base (anti-icing)	11 lb

**AERIAL OUTFIT AWO****BRIEF DESCRIPTION**

Aerial Outfit AWO is an HF aerial for transmission and reception in submarines at periscope depths. It operates in the 1.5-24 MHz band and is used in conjunction with Type 623 and Outfit QM Series. A support mast which carries a whip aerial 11 ft long is clamped to an hydraulic erecting mechanism which raises the mast from a horizontal trailing position to a vertical position when required for use. The erecting mechanism, which is operated from inside the submarine, is mounted inside the fin with a shaft projecting outside to carry the aerial.

**MAJOR UNITS**

Pattern No.	Description	Weight
5985-A.P.186791	Mast	130 lb
5985-A.P.186795	Insulator	
5985-A.P.186003	Whip Aerial	
5985-A.P.186793-7	Fairings	
5985-A.P.186002	Coaxial Cable with Hull Gland	
5985-A.P.186362	Joint for Transmission Line	

**AERIAL OUTFIT AWQ****DESCRIPTION**

Aerial Outfit AWQ is designed to replace Outfit AWH in small craft where the distance between transmitter and the aerial base does not exceed 20 ft. The four inch trunk of the AWH is replaced by a coaxial cable 6145-100291 (U.R.63)

**MAJOR UNITS**

As for Aerial Outfit AWH(M).

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## HANDBOOK

BR 1625

## ESTABLISHMENT LISTS

E829(AWA) E899(AWC) E955(AWF) E960(AWG/H) E1041(AWJ) E1016(AWK)  
E1050(AWM) E1104(AWN) E1202(AWQ) E1254(AWO)

## INSTALLATION SPECIFICATIONS

B614(AWA) B676(AWC) B654(AWF) B667(AWG/H) B725(AWJ) B765(AWM)  
B797(AWN) B853(AWQ) B896(AWO)