

AERIAL OUTFITS AWW(1)/AWY(1)/AWY(2)/AWY(3)

**AWW
AWY**

SUMMARY OF DATA

PURPOSE

Aerial Outfits AWW(1), AWY(1) and AWY(3) are whip aerials used for both transmissions and reception. Aerial Outfit AWY(2) is a whip aerial for reception only.

AERIAL OUTFIT AWW(1)

BRIEF DESCRIPTION

The Whip Aerial Outfit AWW(1) replaces Whip Aerial Outfits AWF(M) and AWN. It is an HF 1 kW 30 ft transmit and receive aerial which in association with Group OA Deck Insulator Outfit can be used for V/LF/MF reception. The antenna can be mounted in a fixed position on a superstructure or framework, on a suitable support or, as a receiving antenna only, on the roof of a 4.5 inch Series Gun Mounting.

MAJOR UNITS

NSN or AP No.	Description			Weight
AP 61828(444-9113)	Rod, Aerial, Whip	2.5 cm dia (1 in.)	238.8 cm (94 in.)	in length Des 21)
AP 61829(444-9114)	Rod, Aerial, Whip	3.5 cm dia (1.375 in.)	238.8 cm (94 in.)	in length Des 22)
AP 61830(444-9115)	Rod, Aerial, Whip	4.4 cm dia (1.75 in.)	240.1 cm (94.5 in.)	in length Des 23)
AP 61831(444-9116)	Rod, Aerial, Whip	5.7 cm dia (2.25 in.)	256 cm (101 in.)	in length Des 24)
5985-99-523-4054	Antenna Sub-assembly			22.68 Kg
5970-99-523-5408	Insulator (Part of Sub-assembly)			(50 lb)
5970-99-523-5409	Insulator (Part of Sub-assembly)			

AERIAL OUTFIT AWY(1)

BRIEF DESCRIPTION

The Whip Aerial Outfit AWY(1) replaces the Whip Aerial Outfit AWQ. It is an HF 100 watt 24 ft transmit and receive aerial. Although the antenna is normally fixed it may, if necessary, be hinged. In addition it may be erected in an angled position with no staying required.

MAJOR UNITS

NSN or AP	Description			Weight
AP 61828(444-9113)	Rod, Aerial, Whip	2.5 cm dia (1 in.)	238.8 cm (94 in.)	in length Des 21)
AP 61829(444-9114)	Rod, Aerial, Whip	3.5 cm dia (1.375 in.)	238.8 cm (94 in.)	in length Des 22)
AP 61830(444-9115)	Rod, Aerial, Whip	4.4 cm dia (1.75 in.)	240.1 cm (94.5 in.)	in length Des 23)
5985-99-523-4048	Antenna Sub-assembly			.91 Kg (2 lb)
				3.18 Kg (7 lb)
				4.08 Kg (9 lb)
				16.6 Kg (30 lb)

AERIAL OUTFIT AWY(2)

BRIEF DESCRIPTION

The Whip Aerial Outfit AWY(2) is an HF, 16 ft, receive only aerial which replaces the shorter rod version of the Whip Aerial Outfit AWQ as used in CVA and LPH classes of ships and for siting in confined locations where Whip Aerial Outfit AWY(1) cannot be sited because of height limitations at the receiving antenna site. The unit is a permanent, fixed receiving antenna and may be erected in a vertical or angled position with no staying required.

RESTRICTED

MAJOR UNITS

NSN or AP No.	Description	Weight
AP 61828(444-9113)	Rod, Aerial, Whip 2.5 cm dia 238.8 cm in length Des 21) (1 in.) (94 in.)	.91 Kg (2 lb)
AP 61829(444-9114)	Rod, Aerial, Whip 3.5 cm dia 238.8 cm in length Des 22) (1.375 in.) (94 in.)	3.18 Kg (7 lb)
5985-99-523-4048	Antenna Sub-assembly	13.6 Kg (30 lb)
5985-99-523-4049	Adaptor, Antenna to Antenna Base	.91 Kg (2 lb)

AERIAL OUTFIT AWY(3)

BRIEF DESCRIPTION

The Whip Aerial Outfit AWY(3) is an MF/HF, 7315 mm (24 ft), permanent, fixed, self-supporting transmit and receive aerial. This Outfit has been introduced for specific use on board Mine Counter Measure (MCM) vessels and is designed to be completely non-ferromagnetic in construction.

MAJOR UNITS

NSN	Description	No. off	Weight
9905-99-527-9599	Plate, Instruction	2	
5985-99-529-0065	Rod, Antenna 2.5 cm dia 235 cm long (1 in.) (94 in.)	1	0.9 Kg (2 lb)
5985-99-529-0066	Rod, Antenna 3.5 cm dia 238.8 cm long (1.375 in.) (94 in.)	1	3.2 Kg (7 lb)
5985-99-529-0067	Rod, Antenna 4.4 cm dia 240.1 cm long (1.75 in.) (94.5 in.)	1	4.1 Kg (9 lb)
5985-99-529-0064	Antenna Sub-assembly	1	13.6 Kg (30 lb)
5970-99-444-6993	Insulator	1	

HANDBOOK

BR 1625

ESTABLISHMENT LISTS

S1712(AWW(1)) S1713 (AWY(1)) (AWY(2)) (AWY(3))

INSTALLATION SPECIFICATIONS

- B1033 (AWW(1)) (AWY(1)) (AWY(2))
- B3057 (AWY(3))
- B948 (Aerial Tuning Outfit ETA(1))
- B933 (Aerial Tuning Outfit ETC)
- B997 (Deck Insulator - Groups OA and OC).