

RESTRICTEDBR 333(1)
Original**COMMON AERIAL OUTFIT EAO(4)****EAO(4)****SUMMARY OF DATA****PURPOSE**

Common Aerial Outfit EAO(4) provides the receiver aerial and common aerial line distribution required for a number of Receivers Outfit CJM, Transmitter-Receiver Type 641 and VLF/LF/MF to HF Frequency Converter, Outfit FTA(1) as used in the integrated Communication System (ICS2) Mixed Fit, or Reduced ICS2. The common Aerial outfit is suitable for ships with limited receiver communication requirements such as RFA's and Trial Ships.

BRIEF DESCRIPTION

The outfit utilizes three receiver aerials from which it provides three common aerial lines consisting of two HF and one VLF/LF/MF line. The three lines are fitted with radar suppression filters to prevent interference from local radar and the two HF lines are fitted with tunable HF filters to prevent interference from the ship's own radio transmitters, these latter filters being controlled by the offending transmitter's keying circuitry.

An additional feature of Outfit EAO(4) is the fitting of a Ship-Shore CALL/WORK switch to the ships Ship/Shore communication bay. This switch introduces either of two tunable suppression filters into the appropriate common aerial line and saves the operator from having to leave the bay and retune a filter to either the Ship/Shore calling or working frequency due to a change of transmitter frequency at the dictates of the shore station.

MAJOR UNITS

NSN	Description	No. Fitted	Weight
5915-99-519-8188	Filter, Low Pass	3	2½ lb
5915-99-412-8135	Filter, Band Suppression Tunable	2	18½ lb
5915-99-412-8129	Control, Voice/c.w.	2	9 lb
5195-99-412-8125	Filter, Band Suppression Limited Tuning	2	18 lb
AP 64390	Rectifier Unit 63CZ	1	21 lb
5905-99-924-1365	Resistor, Terminating 68 ohm	6	
5895-99-519-9352	Switch, R.F. Transmission Line	3	
AP 62124	Connector, Flexible 12 inches	2	
or			
AP 62147	Connector, Flexible 21 inches	2	
AP 2411	Jack Box	4	
5935-99-940-1759	Plug, Telephone	1	
5910-99-580-5110	Bulkhead Suppressor	A/R	
5930-99-051-0551	Switch, Single Pole	2	
AP 403681	Box, Junction	A/R	
	Group OA Insulator	A/R	
	Group OC Insulator	A/R	
6625-99-943-1524	Multimeter 8SX	1	

HANDBOOK

BR 4216

ESTABLISHMENT LIST

B 1101/PRE.1

INSTALLATION SPECIFICATION

E 1380

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