

26 August 1965

CONTROL, ANTENNA C-1670A/U

Cog Service: USN FSN:

Functional Class:

USA

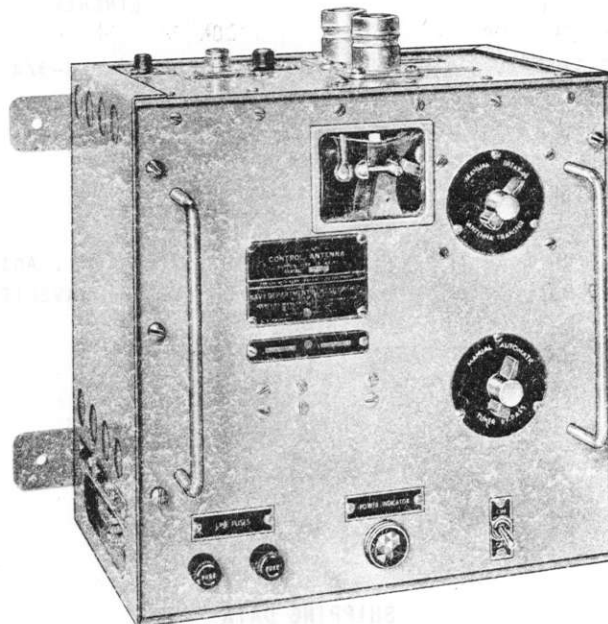
USN

USAF

TYPE CLASS:

Used by

MANUFACTURER'S NAME/CODE NUMBER: American Electronic Laboratories Inc., (93346).



CONTROL, ANTENNA C-1670A/U

FUNCTIONAL DESCRIPTION:

Control, Antenna C-1670A/U is designed to provide an automatic antenna transfer and keying system for break-in operation, replacing the manual means now employed in Navy Model TBL Series Radio Transmitting Equipments. The unit is interconnected with the keying circuit of the transmitter in such manner that the antenna transfer contacts are never required to break the antenna current. This is accomplished by adjusting the keying circuits contacts in such relation to the antenna transfer contacts that the latter close before and open after the keying contacts. In addition, the unit connects the receiver to the antenna when the key is open and grounds the receiver when the key is closed, thus making break-in operation possible.

No field changes in effect at time of preparation (13 August 1965).

RELATION TO OTHER EQUIPMENT:

C-1670A/U is electrically and mechanically interchangeable with the C-1670/U, but maintenance parts differ.

CONTROL, ANTENNA C-1670A/U

EQUIPMENT REQUIRED BUT NOT SUPPLIED: None.

TECHNICAL CHARACTERISTICS:

OPERATING FREQUENCY RANGE: 2 to 20 mc.
KEYING SPEED: 60 wpm.
CIRCUIT CLOSING DELAY: Adjustable from 0 to 1 sec.
POWER REQUIREMENTS: 115 v, 60 cps, 1 ph.

MAJOR COMPONENTS

QTY	ITEM	DIMENSIONS (INCHES)	WEIGHT (LBS)
1	Control, Antenna C-1670A/U includes:	10 x 13-3/4 x 15-1/4	39
1	Set of Accessories	2 x 4-1/2 x 4-3/4	3.3

REFERENCE DATA AND LITERATURE:

NAVSHIPS 92566: Instruction Book for Navy Type C-1670/U Control, Antenna.
CHANGE (1): To technical Manual for Antenna Control C-1670/U NAVSHIPS 92566.

TUBE, CRYSTAL AND/OR SEMI-CONDUCTOR DATA:

TUBES: Not required.

CRYSTALS: Not required.

SEMI-CONDUCTORS: Not required.

SHIPPING DATA

PKGS	VOLUME (CU FT)	WEIGHT (LBS)
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PROCUREMENT DATA

PROCURING SERVICE: USN
SPEC &/OR DWG:

DESIGN COG: USN, BuShips

CONTRACTOR	LOCATION	CONTRACT OR ORDER NO.	APPROX. UNIT COST
American Electronic Labora- tories Inc.	Colmar, Pennsylvania	NObsr 85174	\$813.00