RANGING OUTFITS RTL(1) AND RTL(2)

SUMMARY OF DATA

PURPOSE


MAJOR UNITS

1. Pratt 6656 Range Transmission Rack Des. 3.
2. Pratt 9581 Panel L77B.
3. Pratt 9564 Generator (Strobe) and Signal Unit Des. 2 (2 for RTL(2)).
4. Pratt 9561 Cassette Ray Unit Des. 18.
5. Pratt 9563 Time Base Unit Des. 16.
6. Pratt 9540 Range Transmission Unit Mark 11 (2 for RTL(2)).

Notes

(a) Item 1 contains Items 2 to 6 Inc.
(b) Items 4 and 5 are parts of Item 2.
(c) Item 6 is a D.B.D. Item.
(d) The difference between RTL(1) and RTL(2) is that RTL(1) uses only one Generator (Strobe) and Signal Unit and one Range Transmission Unit, while RTL(2) has two of each. Otherwise the function of the outfits is identical.

PHYSICAL DATA

Height 6' 7" Weight 365 lb
Width 11' 50" (Outfit RTL(1))
Depth 27' 30" (Outfit RTL(2))

BRIEF DESCRIPTION

The Ranging Outfits provide electrical separation between the range transmission circuits from the O.D.B. to Fire Control Positions. This is achieved by using multiple Maglip Transmitters actuated from one range handwheel through suitable gearing. The Outfits transmit range simultaneously and continuously to a number of different points on a fixed range between 0 to 10,000 yards. This range is set up permanently by means of a locking device on the range selector switch on the panel of Generator (Strobe) and Signal Unit Des. 3.

POWER REQUIREMENTS AND CONSUMPTION

From Radar Power Supply 150V. 500 c.p.s. 200W.

From Ships Low Power Supply 24V. D.C. 50V. 50 c.p.s.
or 30V. 60 c.p.s. Low Frequency Maglips.

HANDBOOK

B.A. 1506 (A.A.R.).

ESTABLISHMENT LIST

E. 598.

INSTALLATION SPECIFICATION

B. 708.