

RANGING OUTFIT RTK

SUMMARY OF DATA

PURPOSE

A Radar Range Outfit used with Gun Direction Systems and fitted in the G.D.R. in association with any of the variations of T.I.U. Mark 2.

MAJOR UNITS

1. Range Transmission Rack (not patternised).
2. Patt. 54532 Panel L43.
3. Patt. 56944A Time Base Unit Des. 19.
4. Patt. 56945A Cathode Ray Unit Des. 30.
5. Patt. 58924 Generator (Strobe) and Signal Unit Des. 3.
6. Patt. A.F.4030 (or A.F.4031) Range Transmission Unit Mark 10 or Mark 10 Star.

Notes

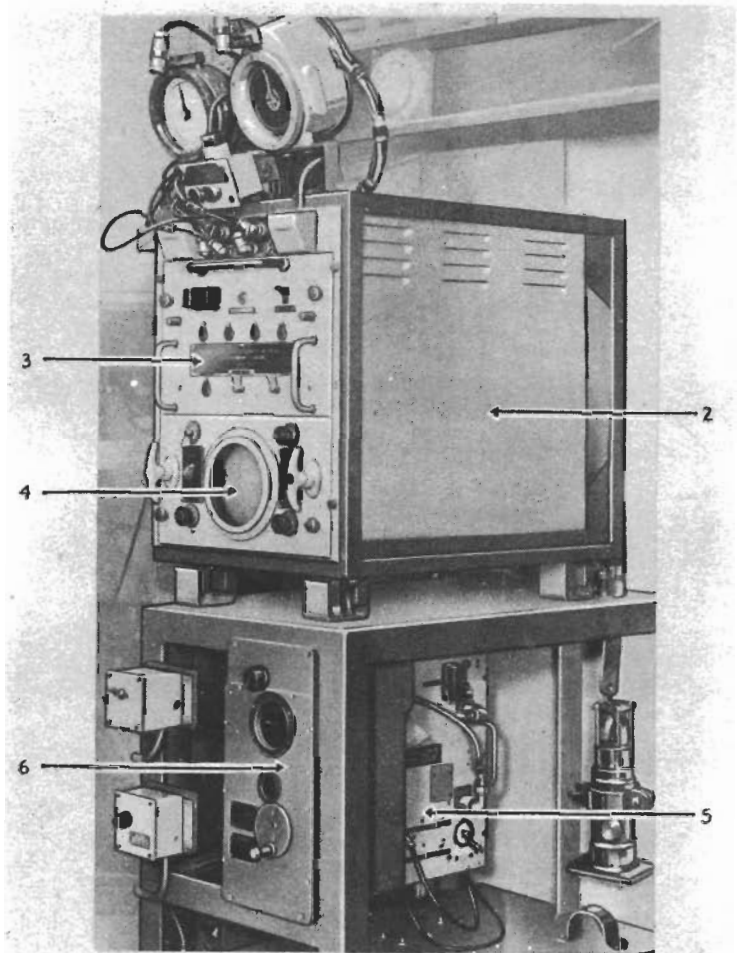
- (a) Item 1 contains Items 2 to 6 inc.
- (b) Items 3 and 4 are part of Item 2.
- (c) Item 6 is a D.N.O. item.
- (d) Items 2, 3 and 4 are integral parts of Outfit JH1, in association with which Outfit RTK is always used.

PHYSICAL DATA

Height -	Depth -
Width -	Weight 56 lb.

BRIEF DESCRIPTION

The Ranging Outfit provides electrical separation between the range transmission circuits from the G.D.R. to Fire Control Positions. This is achieved by using multiple magflip transmitters actuated from one range hand-wheel through suitable gearing. The outfit transmits range simultaneously and continuously to a number of different points on short medium and long range up to a maximum of 36,000 yards. The chosen range is set up on the Range Selector Switch on the front panel of Generator (Strobe) and Signal Unit Des. 3 and can be locked in any one of three operational range positions by means of a locking screw.



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POWER REQUIREMENTS AND CONSUMPTION

From Radar Power Supply 180V. 500 c.p.s. 60W.

From Ship's Low Power Supply 22V. D.C.

50V. 50 c.p.s.)	Low Frequency Magslips.
or 60V. 60 c.p.s.)	
20V. 1100 c.p.s.	High Frequency Magslips.

HANDBOOK

B.R.1506 (ADDM).

ESTABLISHMENT LIST

E.938.

INSTALLATION SPECIFICATION

B.530.