PURPOSE


MAJOR UNITS

1. Patt. 66030 Range Transmission Rack Des. 5.
3. Patt. 50320 Generator (Stroke) and Signal Unit, Des. 3 (2 for RTG(1)).
4. Patt. W5561 Cathode Ray Unit, Des. 18.
5. Patt. W582 Time Base Unit, Des. 16.
6. Patt. A.F.A. No. 1 Range Transmission Unit Mark 10 Star (2 for RTG(2)).

Notes
(a) Item 3 contains Items 2 to 5 inc.
(b) Items 4 and 5 are parts of Item 2.
(c) Item 6 is a D.U.R. item.
(d) The difference between RTG(1) and RTG(2) is that RTG(1) uses only one Generator (Stroke) and Signal Unit and one Range Transmission Unit, while RTG(2) has two of each. Otherwise the function of the outfits is identical.

PHYSICAL DATA

<table>
<thead>
<tr>
<th>Height</th>
<th>Width</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>67&quot;</td>
<td>11&quot;</td>
<td>33&quot;</td>
</tr>
</tbody>
</table>

WEIGHT

285 lb

BRIEF DESCRIPTION

The Ranging Outfits provide electrical separation between the range transmission circuits from the O.D.R. to fire Control Positions. This is achieved by using multiple magrip transmitters adapted to one range handwheel through suitable gearing. The outfits transmit range simultaneously and continuously to a number of different points on either short, medium or long range gun positions, to a maximum of 36,000 yards.

POWER REQUIREMENTS AND CONSUMPTION

From Radar Power Supply 100V. 500 c.p.s. 200W.
From Ship's Low Power Supply 220V, d.c. 33W.
50V, 50 c.p.s.) or 60V, 60 c.p.s.) Low Frequency Magrip.

HANDBOOK


ESTABLISHMENT LIST

E.936.

INSTALLATION SPECIFICATION

B.706.