PURPOSE

Display Outfits JCA Series

Provides height-finding facilities (H.P.I. and E.P.I.).

Display Outfits JCB Series

Provides a plan picture from a continuously rotating radar aerial (P.P.I.).

Display Outfits JCC Series

Provides facilities for lining-up a WCI radar aerial with targets on a WA display (Ardacoid).

MAJOR UNIT

The major unit of the Display Outfits is the Display Unit 51R. This Display Unit is modified by Box of Parts, A.P.5774, when used for antisubmarine purposes.

PHYSICAL DATA

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<thead>
<tr>
<th></th>
<th>Height</th>
<th>Weight</th>
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<tbody>
<tr>
<td></td>
<td>11' 40&quot;</td>
<td>1' 64&quot;</td>
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<tr>
<td></td>
<td>2' 0&quot;</td>
<td>142 lbs</td>
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BRIEF DESCRIPTION

Display Outfit JCA - Height Position Indicator (H.P.I.) using Scale, A.P.66/255 in conjunction with Types 279/4.

Display Outfit JCB - Elevation Position Indicator (E.P.I.) with Scale, Blank, A.P.66/256, in conjunction with Type 279 to facilitate the detection of targets in elevation.

Display Outfit JCC - Plan Position Indicator (P.P.I.) provides a "map-like" presentation of the surrounding area which is "screened" by the associated radar aerial.

Display Outfit JCC - Azimuth Indicator (Ardacoid) for lining-up the aerials of Types 278/4, and 963 with Type 960, and for transmitting Type 259/4 bearing information from Torpedo Control Position.

PERFORMANCE

The measured ranges are accurate to within ±1% with reference to the internal calibration marks provided. In bearing, a variation of ±0.3° due to backlash in gearing must be allowed for in addition to the fundamental limitations of the associated equipments.

POWER REQUIREMENTS AND CONSUMPTION

Power Supply 100V, 500 c/s single phase, 200W. 24V, D.C. for auto-alignment.

HEAT DISSIPATION

200 Watts.

HANDBOOK

B.A.2097.

ESTABLISHMENT LIST

N1126.

INSTALLATION SPECIFICATION

N810.