RESTRICTED

LOCAL MAINTENANCE ANNEXE OUTFIT RMN(2)

SUMMARY OF DATA

PURPOSE

Local Maintenance Annex Outfit RMN(2) provides testing facilities for the electronic sub-units of Display Outfit JW(3), JW(3), and JY-8. Provision is made to operate the units under conditions similar to those found in actual service.

POWER REQUIREMENTS AND CONSUMPTION

115 V, 110/125/230 V, or 600 V ± 5 V, 50-60 Hz single phase, 650 W
220 V, 600 Hz single phase Aerial Ref. Voltage.
115 V, 600 Hz single phase Simulator Supply.

HEAT DISSIPATION

400 W approximately (including power supply unit).

BRIEF DESCRIPTION

Outfit RMN(2) comprises a metal cabinet divided into compartments to house the various sub-units, and a power supply unit to provide the necessary 60 V, 500 Hz power source. The following sub-units are housed in separate cabinets:

- Display Outfit JW(3).
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The sub-units are provided for selection of signal inputs from the following sources:

(a) A plug-in radar simulator unit.
(b) Three external radars.
(c) Internally generated test signals only.

The signals appear on a rotating disc on a projection-type c.r.t., which, since it must be viewed directly, is provided with a special lead-glass filter.

MAJOR UNITS

Rack, Electrical Equipment, KSN 6205-99-530-5194 which includes:

- AP 106554 Control Indicator (Right) Unit 634
- AP 105020 Control Panel (Left) Unit 468
- AP 105114 Heater Transformer Unit 426
- KSN 5959-99-520-3018 Cabinet, Electrical Equipment (for Simulator Unit)

The following units can be housed in the rack:

- AP 105173 Power Supply Unit S301 1/3/1
- AP 105126 Servo Amplifier Unit S304 (JW(3), JW(3), JY-8)
- AP 105150 Time Base Unit S16(JW(3), JW(2), JY-8)
- AP 105151 Calibrator (Range Marker) Unit S6(JW(3), JW(3), JY-8)
- AP 105160 25 kv C.R.T. Unit S304 (JW(3), JW(2), JY-8)
- AP 105156 Snapshots Unit S16 (JW(3), JW(3), JY-8)
- AP 105222 Video Amplifier Unit 911 (JW(3), JY-8)
- AP 105214 Video Amplifier Unit 513 (JW(3), JW(3), JY-8)
- AP 105216 Cathode Ray Tube Unit 552 (JW(3), JW(3), JY-8)
- AP 105221 Cathode Ray Tube Unit 910 (JY-8)
- AP 105222 Cathode Ray Tube Unit 912 (JW(2), JY-8)
- AP 105230 Cathode Ray Tube Unit 216 (JW(1))

KSN 5840-99-532-1504 Simulator

Also included in Outfit RMN(2) are:

- AP 221230 Oscillator (Ship's Head Marker) Unit 915

KSN 6205-99-530-5194 Lege Set, Test KSN 5629-99-520-3194

PHYSICAL DATA

<table>
<thead>
<tr>
<th>Weight</th>
<th>Width</th>
<th>Depth</th>
<th>Weight (with sub-units)</th>
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<tbody>
<tr>
<td>54 lb</td>
<td>48 in</td>
<td>36 in</td>
<td>550 lb</td>
</tr>
<tr>
<td>(249.4 kg)</td>
<td>(122.9 cm)</td>
<td>(91.4 cm)</td>
<td>(249.4 kg)</td>
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</tbody>
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