

## LOCAL MAINTENANCE ANNEXE OUTFIT RMN(2)

RMN(2)

## SUMMARY OF DATA

## PURPOSE

Local Maintenance Annexe Outfit RMN(2) provides testing facilities for the electronic sub-units of Display Outfits JW(1), JW(2), and JYB. Provision is made to operate the units under conditions similar to those found in actual service.

## POWER REQUIREMENTS AND CONSUMPTION

115 V, 220/225/230 V, or 440 V  $\pm$  5%, 50-60 Hz single phase, 650 W  
120 V, 500 Hz single phase Aerial Ref. Voltage.  
115 V, 400 Hz single phase Simulator Supply.

## HEAT DISSIPATION

600 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 d.c. voltages. Four range scales are available: 20 and 60 nautical miles, for use with units of Display Outfits JYB and JW(2); 60 and 180 nautical miles for use with units of Display Outfit JW(1). Facilities 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 (JW(1) only).

The signals appear on a rotating trace 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 NSN 6625-99-520-5194 which includes:

AP 106552 Control Indicator (Right) Unit 684  
AP 106080 Control Panel (Left) Unit 683  
AP 101718 Heater Transformer Unit 626  
NSN 5895-99-520-3018 Cabinet, Electrical Equipment (for Simulator Unit)

The following units can be housed in the rack:

AP 101713 Power Supply Unit SGD 101/01  
AP 101702 Servo Amplifier Unit 504 (JW(1), JW(2), JYB)  
AP 101705 Time Base Unit 514 (JW(1), JW(2), JYB)  
AP 101701 Calibrator (Range Marker) Unit 503 (JW(1), JW(2), JYB)  
AP 101703 25 kV E.H.T. Unit 508 (JW(1), JW(2), JYB)  
AP 101706 Smoothing Unit 516 (JW(1), JW(2), JYB)  
AP 105222 Video Amplifier Unit 911 (JW(2), JYB)  
or  
AP 101704 Video Amplifier Unit 513 (JW(1))  
AP 101708 Cathode Ray Tube Unit 552 (JW(1), JW(2))  
or  
AP 105221 Cathode Ray Tube Unit 910 (JYB)  
AP 105223 Brilliance Control Unit 912 (JW(2), JYB)  
or  
AP 101707 Brilliance Control and Test Time Base Unit 517 (JW(1))  
NSN 5840-99-522-1504 Simulator

Also included in Outfit RMN(2) are:

AP 172730 Oscillator (Ship's Head Marker) Unit 915  
Box of Tools (Special) 5840-AP 103729  
Lead Set, Test NSN 6625-99-520-5199

## PHYSICAL DATA

<u>Height</u>	<u>Width</u>	<u>Depth</u>	<u>Weight (with sub-units)</u>
54 in	48 in	36 in	550 lb
(137.2 cm)	(121.9 cm)	(Desk Open) (91.4 cm)	(249.48 kg)

**HANDBOOK**

BR 4139

**ESTABLISHMENT LIST**

E 1429

**INSTALLATION SPECIFICATION**

B772/R1

**MAINTENANCE SCHEDULE**

R5/8

