

RESTRICTED

BR 333(1)
Original

DISPLAY OUTFIT JYD(1)

JYD(1)

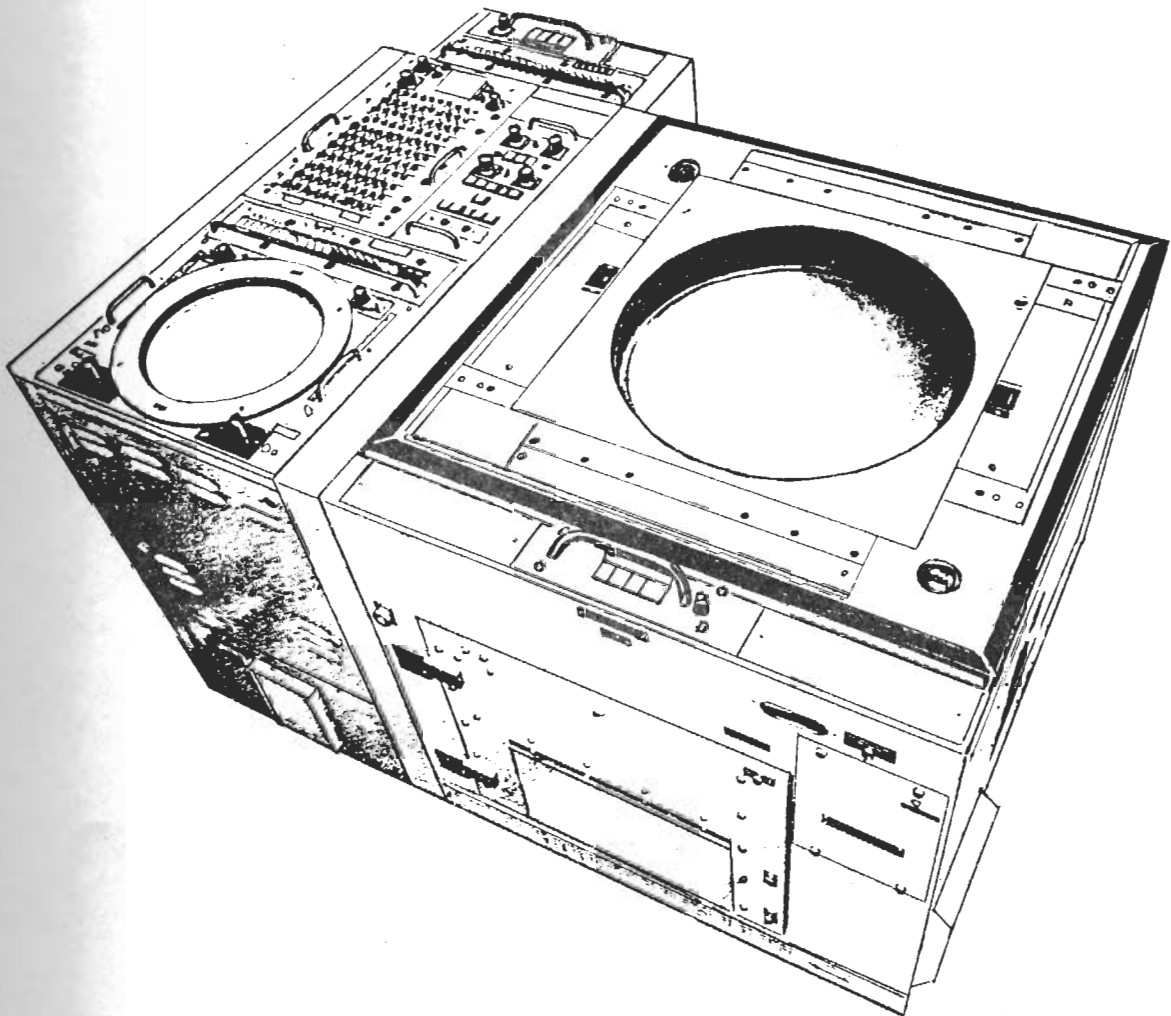
SUMMARY OF DATA

PURPOSE

The Automatic Surface Plotting System, Outfit JYD(1), (Tactical Plot) provides a selected display from Radar Types 966, 992 or 1006 in a plan position form of Processed Video (Markers) or Raw Radar, or an integrated display of Markers and Raw Radar. A Tote display is also provided in association with Outfit JGA.

BRIEF DESCRIPTION

The Tactical Plot consists of two displays and can be considered in two sections. One section, the Indicator Plot (sub-frame 'A') provides a 560 mm (22 in.) diameter plotting screen; the other (sub-frame 'B') consists of a 305 mm (12 in.) Display Unit and a Manual Injection Unit. The Indicator Plot, which has two deflection input channels and a single video input channel, translates electrical inputs into a visual pattern. The Display Unit accepts information through the Data Unit in the Manual Data Input Unit and the Category Selector, whose front panel controls enable specific information to be displayed on the crt. The selected signals are routed through relays to the Video and Deflection Amplifier and the Gating and Deflection Amplifier which process the signals, providing the 'X' and 'Y' main and symbol deflections for the Tote Radar and Marker facilities.



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MAJOR UNITS

Sub-frame 'A'

<u>NSN</u>	<u>Description</u>
5840-99-531-6778	Viewing Unit Assembly 5 60 mm (22 in.)
5840-99-521-0786	Matrix Digital Data
5840-99-531-6781	Power Supply
5840-99-527-7459	Ball Resolver Unit
5840-99-537-0381	Ball Resolver Unit

Sub-frame 'B'

5840-99-537-1875	Indicator Digital Display 305 mm (12 in.)
5840-99-533-4928	Selector Category (2 in. No.)
5840-99-527-7461	Data Input Unit Manual
5840-99-521-0786	Matrix Digital Data
5840-99-521-5109	Panel Control
5840-AP 173178	Power Supply
6130-99-527-1441	Power Supply, PMA51

PHYSICAL DATA

<u>Height</u>	<u>Width</u>	<u>Length</u>	<u>Weight</u>
90 cm (35.5 in.)	99 cm (39 in.)	151 cm (60 in.)	740 Kg (1628 lb)

POWER REQUIREMENTS

200 V \pm 5% 400 Hz 3-phase 0.8 kVa.
50 V dc +9%, -15% +ve earthed (2 A).
115 V 60 Hz.
-6 V (for digital signals) from Power Supply AP 172307 in sub-frame 'B'

HANDBOOK

BR 4270

ESTABLISHMENT LIST

S1832

INSTALLATION SPECIFICATION

B1377