

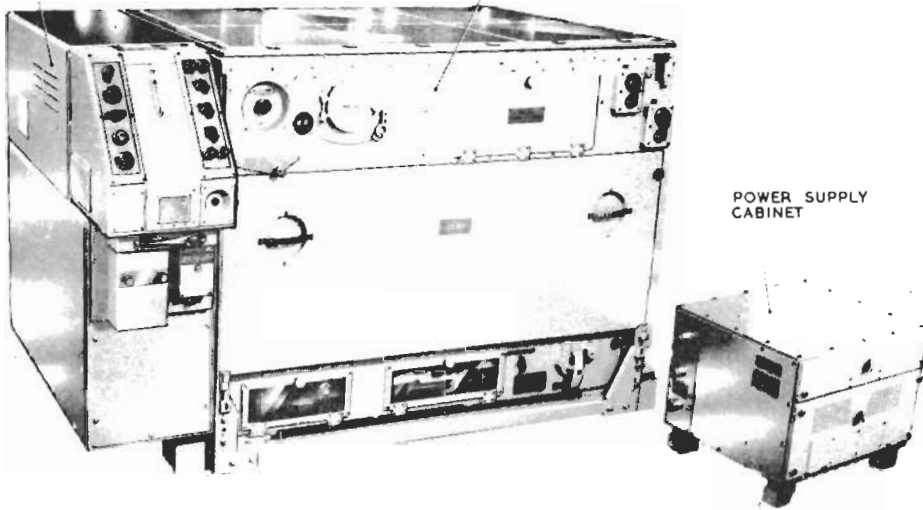
**DISPLAY OUTFIT JYB**

**JYB**

**SUMMARY OF DATA**

DISPLAY OUTFIT JYB

MK 18 PLOTTING TABLE



DISPLAY OUTFIT JYB WITH POWER SUPPLY CABINET

**PURPOSE**

Display Outfit JYB is designed to operate in conjunction with the A.R.L. Mk. 18 plotting table, projecting a P.P.I. display on to the plotting table surface. The plotting mechanism moves the P.P.I., producing a true motion display.

**BRIEF DESCRIPTION**

Display Outfit JYB comprises a projection type P.P.I. and a separate power pack supplying the various power requirements. Range scales available are: 5, 10, 20 and 50 nautical miles with provision for selecting either of two radar inputs to be displayed. Signals are displayed as high intensity echoes on a c.r.t. screen approximately two inches in diameter and magnified by an optical system to a diameter of approximately 20 inches. The image is projected on to the plotting table surface on which is fitted a fluorescent layer.

**MAJOR UNITS**

	AP No.	Description
1.	105228	Cabinet Control Assembly (Includes Units 11 and 12)
2.	101701	Calibrator (Range Marker) Unit 503
3.	101702	Servo Amplifier Unit 504
4.	101705	Time Base Unit 514
5.	101706	Smoothing Unit 516
6.	105223	Brilliance Control Unit 912
7.	105222	Video Amplifier Unit 911
8.	172730	Oscillator (Ship's Head Line Marker) Unit 915
9.	172649	Signal Data Converter (Log-Lin) Unit 916
10.	105224	Heater Transformer Unit 920
11.	105225	Right Hand Control Panel 913
12.	105226	Left Hand Control Panel 914
13.	105229	Optical Mounting Framework Assembly
14.	105221	C.R.T. Unit 910 (Includes Unit 16)
15.	101703	25 kV E.H.T. Unit 508 (Includes AP 101726 Sealed Rectifier Unit)
16.	101717	Deflection Coil Assembly
17.	105227	Power Supply Cabinet SGE 110/20
18.	101713	Power Supply Unit SGD 101/01

**PHYSICAL DATA**

Pattern No.	Description	Height	Width	Depth	Weight
AP 105228 and Mk. 18 plotting table	Plotting Table with JYB equipment	39½ in	63½ in	41½ in	870 lb
AP 105227	Power Supply Cabinet	18 in	22½ in	24½ in	176 lb

## RESTRICTED

BR 333(1)

Original

### POWER REQUIREMENTS AND CONSUMPTION

115 V or 230 V $\pm$ 5% 50-60 Hz	Single Phase	665 W
120 V, 500 Hz	Aerial reference voltage.	

### HEAT DISSIPATION

Display Unit	300 W approximately
Power Supply Unit	300 W approximately

### HANDBOOKS

BR 2359 Display Outfit JYB  
BR 268(2) Plotting Table ARL

### ESTABLISHMENT LIST

E 1348

### INSTALLATION SPECIFICATION

B 903

### MAINTENANCE SCHEDULE

R6/4