RESTRICTED

DISPLAY OUTFIT JP2 AND CONSOLE LOWER ASSEMBLY

SUMMARY OF DATA

PURPOSE
Display Outfit JP2 (type 1000/F Series) is a P.P.I. display for use with a submarine warning radar designed to transmit range and relative bearing in a FORGEON computer.

BRIEF DESCRIPTION
Display Outfit JP2 consists of two Display Panels Design A and B, an R.B.U. Design A, one of each being fitted in the Radar Office unit and one in the Console Lower Assault unit. The Radar Office unit is the console lower assault unit. The recipient units for both Display Panels are in the console control unit lower left. The Console Control Unit, lower left, and upper right, is the main control in the console lower assembly. The Recipient units for both Display Panels are in the console control unit lower left. This control unit is mainly concerned with the console control unit lower right.

MAJOR UNITS

- AP 5991/1A Display Unit Design A
- AP 5992/1B Control Unit Design A
- AP 6006/1 Display Panel Design B
- AP 6007/1 Display Panel Design B
- AP 6012/1A Control Unit Design B
- AP 6020/1 Control Unit Upper Design B
- AP 6051/1 Control Unit Lower Right Design B

PHYSICAL DATA

- Weight: 500 lb
- Console: 270 lb
- Display Panel Design A: 110 lb
- Display Panel Design B: 110 lb
- Control Panel: 110 lb
- Weight of Console: 500 lb
- Weight of Display Unit: 270 lb
- Depth of Console: 270 lb
- Depth of Display Unit: 270 lb

POWER REQUIREMENTS

- 110 V 50 Hz at 90 V for 110 V A.C. essential for 110 V A.C. for transmitter, etc.
- 110 V 50 Hz at 500 V for displays (7 3 A class) and 300 V for transmitter (7 3 A class)
- 115 V 60 Hz at 300 V for transmitter (7 3 A class)
- 115 V 50 Hz for switcher in R.B.U. Gyro Supply

HEAT DISSIPATION

- Display Outfit JP2: 250 V each display, office and plane
- Console Lower Assy: 200 V

POWER SUPPLY OUTLINES

- Purpose Class: Power Supply Unit 55V (180 V a.c.) and D.C. 24 V and 220 V a.c. supplied

ELECTRICAL CHARACTERISTICS

- Type of Display: 9-inch diameter P.P.I., true North stabilized at 12 o'clock.
- Range of Scan: (A) 6000 yards, (B) 12,000 yards, (C) 24,000 yards.
- Bearing Indication: By positioning a cursor spot on a range homebrew.
- Bearing Calibration: By positioning a cursor with a bearing homebrew.
- Inputs: Signals from radar base transmitter receiver or transmitter.
- Outputs: Sync and signal from transmitter or receiver.

RESTRICTED 7.19
HANDBOOK
BF 1176

ESTABLISHMENT LIST:
JP2 = $847, OHH = 1777, OHO = $924

INSTALLATION SPECIFICATIONS:
- Power Supply Assembly: $924
- Power Supply Unit (PSU): $723
- Power Supply Unit (PSU): $607