

1 Introduction

The BridgeMaster E Radar System is designed to function reliably for many years. To ensure optimum performance, specific maintenance tasks must be performed at regular intervals. This chapter details the recommended maintenance plan that should be adhered to.

2 Maintenance Plan

WARNING: LETHAL VOLTAGE HAZARD

Before the following maintenance tasks are started (except the fan operation check), the equipment must be isolated from the mains supply. In addition to this, no components or assemblies should be touched for at least five minutes. This is to ensure that any high voltage capacitors have discharged.

Interval	Action	Notes
3 Monthly	Check the screen of the Display for dirt.	Use a soft cloth to clean the screen. If available, use an anti-static spray. Solvents should never be used as a cleaning agent.
3 Monthly	Check that the Processor Electronic power supply fan is working (with unit switched ON). For 340 Displays, also check that the logic fan is working (with unit switched ON).	To ensure good reliability, it is essential that the circulating air within the unit is maintained. Remove any dust build up within the unit and around the bezel air intakes at the front of the unit.. If necessary remove the front bezel to wash or replace the bezel filter.
3 Monthly	Plug rechargeable memory cards into a powered-up display for at least one hour.	Rechargeable memory cards have no removable batteries.

Interval	Action	Notes
6 Monthly	Check the window of the Antenna for excessive dirt.	Excessive dirt or carbon deposits from the ship's funnels may cause reduced radar performance. Use hot soapy water to clean the antenna window. Never use solvents. DO NOT paint.
6 Monthly	Check all external nuts, bolts and washers on the Scanner Unit, for corrosion and for correct tightness.	The nuts, bolts and washers must be replaced if they are heavily corroded, and suitable anti-corrosion compound applied.
6 Monthly	In the S-Band Scanner unit check for oil leaks in the gearbox. In the X-Band Scanner unit check for condition of the drive belt.	If leaks are detected, refer to Service Engineer

Chapter 7

Routine Maintenance

Interval	Action	Notes
2 Yearly	Replace the primary battery on non-rechargeable memory cards. (Memory card battery replacement kit Part No. 65600712)	Change battery while card is plugged into a powered-up display.

Note: - *If damage to any of the items being checked during routine maintenance is observed, call for a service repair.*