

CHAPTER 5

ROUTINE MAINTENANCE

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5.1 INTRODUCTION

The BridgeMaster E equipment 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 plan that should be adhered to.

5.2 WARNINGS AND CAUTIONS

Warning Lethal Voltage Hazard

When access covers are removed, lethal voltages may be exposed. Some capacitors used in the equipment take several minutes to discharge their stored voltages after switch OFF; this is a lethal voltage hazard. Always set the supply switch-fuse to OFF before removing the access covers of the equipment.

Warning Health Hazard

When cleaning the inside of the equipment, take care not to inhale dust. The dust is a temporary health hazard, depending on individual allergies.

Warning Radiation Hazard

Keep outside the hazard zone around an antenna or open waveguide radiating power. When it is necessary to work on the Scanner Unit, make sure that radar is switched OFF, and that the mains to the Scanner Unit is isolated.

Never look directly into an open waveguide.

Radar and other forms of RF radiation can cause Cardiac Pacemakers to malfunction. If you use a Cardiac Pacemaker and suspect a malfunction, leave the vicinity of the radar system immediately and seek medical advice.

Most countries accept that there is no significant radiation hazard at RF power density levels of up to 10 mW/cm².

Caution Electrostatic Sensitive Devices (ESSDs)

This equipment contains ESSDs. Take care not to damage these devices by discharge of electrostatic voltages.

5.3 MAINTENANCE PLAN

Equipment		Description	Maintenance Task		Manpower	Tools	Spare Parts		
Designation	Part Number		Interval (elapsed time)	Handbook Reference	Duration (note 1)	Type (note 2)	Designation	Part Number	Quantity
Video Control Unit	65857A	Check security of fixings, visually inspect external condition.	Yearly		0.1 hours				
Control Panel	65857600	Check security of fixings, visually inspect external condition Use soft cloth to remove dust from control panel.	Yearly		0.1 hours				