

CHAPTER 6. MAINTENANCE AND INSPECTION

WARNING

There are high voltage circuits inside this radar. Do not attempt to open the rear cover of display unit or disassemble internal parts. Leave this to qualified service personnel. When you open the radome, power must be off. Never work on or near the radome while it is operating. Even if the power switch is OFF, this radar still has electrically charged components inside.

Tab. 6-1 Owner Inspection and Maintenance Items

Interval	Item	Procedure
3-6 months	Scanner hardware	Check if the scanner's mounting bolts are corroded or loose.
	LCD display	Clean filter and LCD screen surfaces with a soft moist cloth.
6-12 months	Antenna drive	Apply an even coating of grease to the entire surface of the antenna drive gear. Be certain to use grease that will not harm plastic surfaces.
	Electrical connectors	Check electrical connectors on back panel of display unit for proper contact by unscrewing them and examining the contacts. Remove any corrosion by polishing or using a contact cleaning agent.
	Antenna motor brushes (open array antennas)	Check length of brushes and replace if under 6mm.

Replaceable items:

(1) Magnetron

This component is located in the scanner. If distant echo images have become less visible, the magnetron probably is degraded. Contact your dealer or authorized repair center for this service

Period of the replacement: 3000hour(typical) (500hour guarantee)

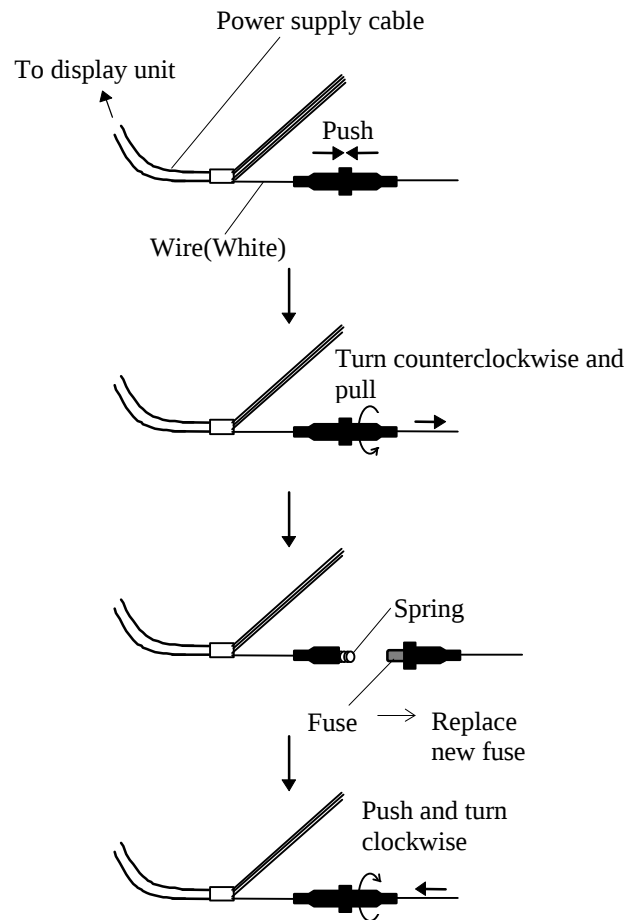
(2) LCD backlight

If the display screen becomes extremely dark and its illumination cannot be increased by adjusting the Brilliance control, the LCD backlight may be faulty. Contact your dealer or authorized repair center for this service

Period of the replacement: 15000hour(typical) (1000hour at 0 °C)

(3) Fuse

The fuse is built in the power supply cable.



When working on the scanner, you can hang the upper half of the radome using a piece of wire or cord through holes to either side of the mounting screws.

