


## 3.2 Replacing the Fuse

The fuse (4A) inside the FA-50 protects it from overcurrent and equipment fault. If the unit cannot be powered, that is, the PWR (power) LED is off, the fuse may have blown. If this happens, turn off the power to the FA-50, open the body cover and check the fuse. If the fuse has blown, find out the reason before replacing it. If it blows again after replacement, contact a FURUNO agent or dealer for advice.

Part	Type	Code No.
Fuse (4A)	FGMB-A 125V 4A PBF	000-157-482-10


WARNING

**Use the proper fuse.**

Use of a wrong fuse can result in damage to the equipment and cause fire.

## 3.3 Troubleshooting

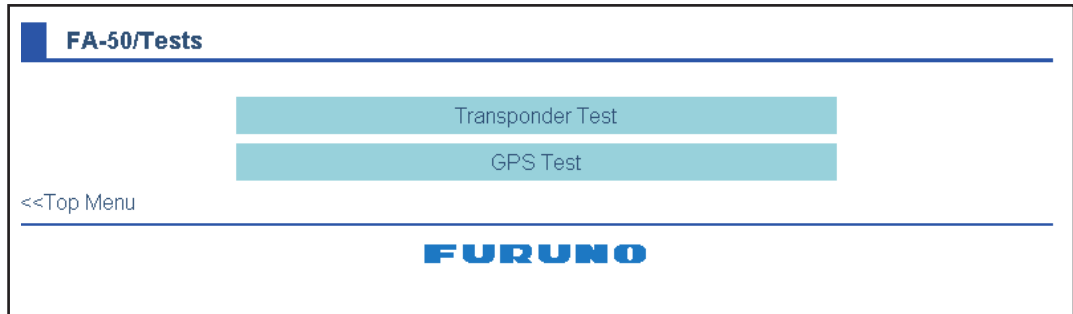
The troubleshooting table below provides typical operating problems and the means to restore normal operation. If you cannot restore normal operation, do not open the shield cover; there are no user serviceable parts inside the transponder.

Symptom	Problem	Remedy
Transponder cannot be powered.	Fuse inside the transponder may have blown.	Replace the fuse.
Cannot transmit/receive	<ul style="list-style-type: none"> <li>• VHF antenna cable connection may have loosened.</li> <li>• Antenna or its cabling may be damaged.</li> <li>• Rx channel setting is wrong.</li> </ul>	<ul style="list-style-type: none"> <li>• Check if the cable is firmly connected.</li> <li>• Check the antenna and its cabling for damage.</li> <li>• Confirm the channel setting.</li> </ul>
The message is sent to wrong ship.	Setting of transmission is not correct.	Confirm MMSI.
No position data	<ul style="list-style-type: none"> <li>• GPS antenna may be damaged.</li> <li>• GPS antenna cable may be damaged.</li> </ul>	<ul style="list-style-type: none"> <li>• Change the GPS antenna.</li> <li>• Check if the cable is firmly fastened. If the cable has damage, change it.</li> </ul>

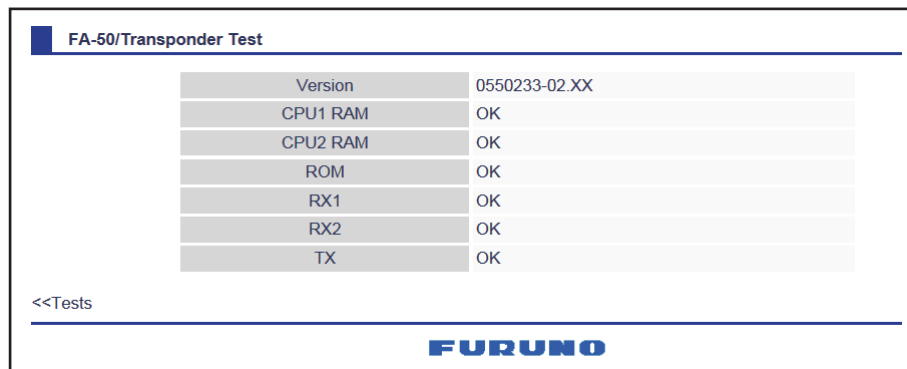
## 3.4 Diagnostics

The built-in diagnostic facility displays program version no. and TX text, then checks RAM, ROM, RX channels and GPS antenna for proper operation.

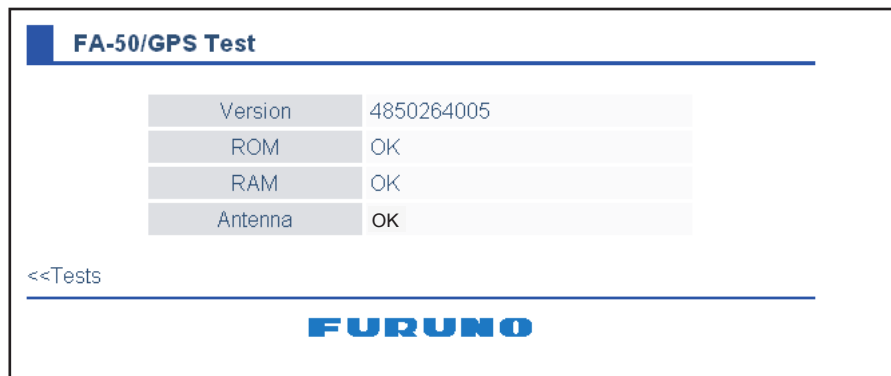
1. Open Internet Explorer and display the main menu.
2. Click Tests to show the Tests display.



3. Click "Transponder Test" or "GPS Test" to show the appropriate test screen.  
**Transponder Test:** The program version number appears on the first line. The CPU1 RAM and CPU2 RAM, ROM and the two RX channels and TX are checked for proper operation, and the results are displayed as OK or NG (No Good). For any NG, try resetting the power and checking connections. If NG persists, contact your dealer for advice.  
**GPS Test:** The program version number appears on the first line. The ROM, RAM and connection with antenna (including power line), and the results are displayed as OK or NG (No Good). For any NG, try resetting the power and checking connections. If NG persists, contact your dealer for advice.



*Transponder test*



*GPS test*