

Figure 1-1 GPS module and its location on the pedestal.

Before You Start



General warnings and instructions!

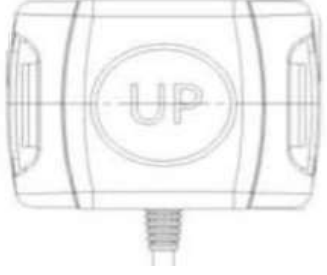

WARNING!

- Only qualified and authorized personnel are allowed to carry out system service/maintenance procedures.
- Do not place any tools or parts on the Base Plate. This may damage the pedestal while it is being repositioned during the replacement procedure.

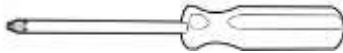



Before starting the procedure:

- Open the radome hatch. Inside the RADOME, Switch off the ADE Power Box at the Antenna pedestal base.
- Manually rotate the pedestal axes to gain convenient access to the serviced unit.

1. Applicable for : (P/N: OTRx-GPS-001-SP)

Quantity	Description	
1	GPS module	
1	USB flash drive	

2. Required tools

Tool/Part Name	Figure
Philips screwdriver (small)	
Tie cutter	
Open/ring wrench 11, 8mm and	
Allen keys: 4mm, 3mm T-handle	

3. Removing the GPS

Step1.

Cut the tie wraps securing the GPS module to the PS cover from the ACU

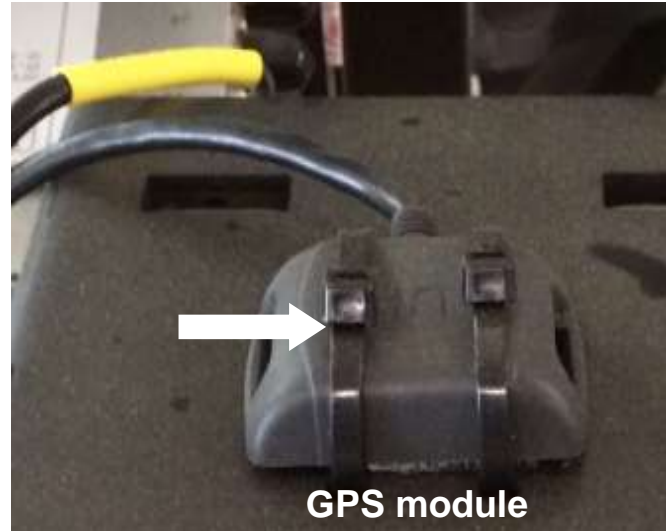


Figure 2 GPS module Tie Wraps

Step 2.

Remove the GPS USB plug from the ACU



Figure 3 Disconnecting GPS connector

Step 3.

Release the GPS cable from the cable harness between the ADMx and ACU.

Remove the GPS module



Figure 4 GPS cable routing

4. Installing the GPS

Step 1.

Attach the GPS module to the PS cover using tie warps.



Figure 5 GPS Mounting

Step 2.

Attach the GSP USB plug to the ACU. Make sure you re connected to the port labeled GPS



Step 3.

- Route the GPS cable to the ACU
- Secure the cable using tie wraps
- Excessive cable length should be looped near the ADMx



Figure 6 Routing the GPS cable

5. Verifying system function

1. Start up the system (see the *OceanTRx4™ Installation and Operation Manual*).
2. Verify that all MTSVLINK fields are populated and there is no WRN 002 at system messages.
3. Wait at least 5 minutes to allow the GPS module to give sufficient time for GPS position FIX
4. Acquire satellite and verify appropriate AGC and no error (ERR) or warning (WRN) messages show

