

Figure 1-1. Location of ACU PS and Servo PS

Before You Start

General warnings and instructions!

WARNING!



- Only qualified and authorized personnel are allowed to carry out system service/maintenance procedures.
- **Caution high voltage risk of electric shock**
- **Switch OFF antenna from the power switch on the power box.**



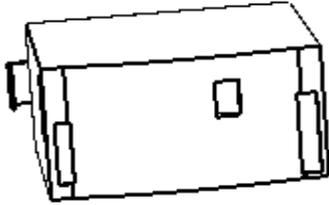
BEFORE starting the procedure:

- **Manually rotate the pedestal axes to gain convenient access to the serviced unit.**

Note the following:

- Two types of power supplies are installed on the system – one for ACU and one for the servo-power.
- The installation of both power supplies is identical – only the model differs.
- The power supply modules are have output voltage and current therefore they are not interchangeable

1. Applicable for : (P/N: OTRx-PS-001-SP and OTRx-PS-002-SP)

Quantity	Description	
1	Power supply module (above Deck multiplexer)	
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 Power Supply

Step 1.

Locate the appropriate power supply module.

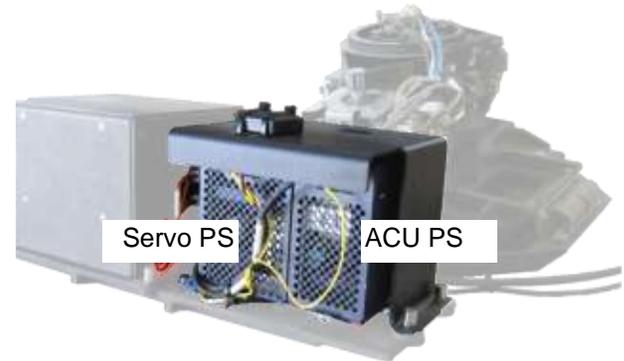


Figure 3-1. Remove GPS Module

Step 2.

Remove cover securing BOTH power supplies:
Open 4 captive screws - use a medium Phillips screwdriver.

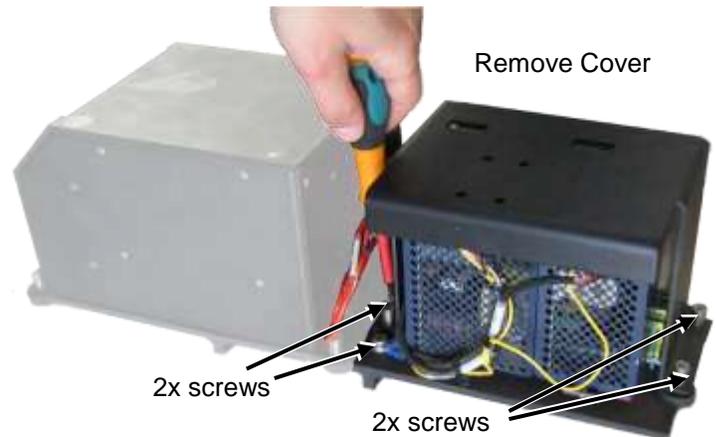


Figure 3-2. Open 4x screws and Remove Cover

Step 3

Gently lift the cover and set aside.
ATTENTION! The splitter is still connected to the cover.

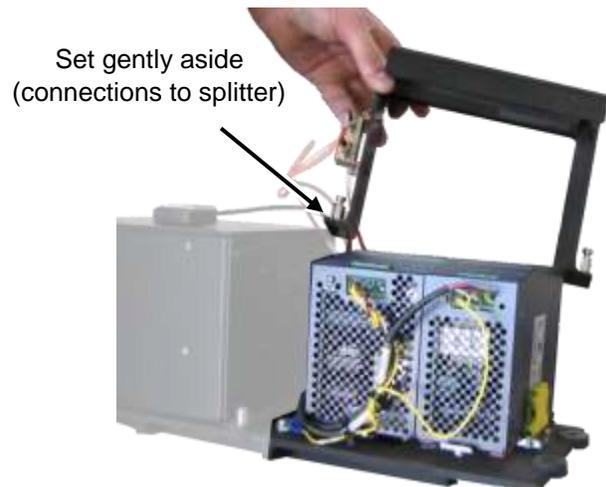


Figure 3-3. Set Cover Aside

Step 4.

Use a small flat screwdriver to release the wires on top of the relevant Power Supply.

NOTE: Wires are labeled

Release wires on BOTH sides of the power supply (wires are labeled)

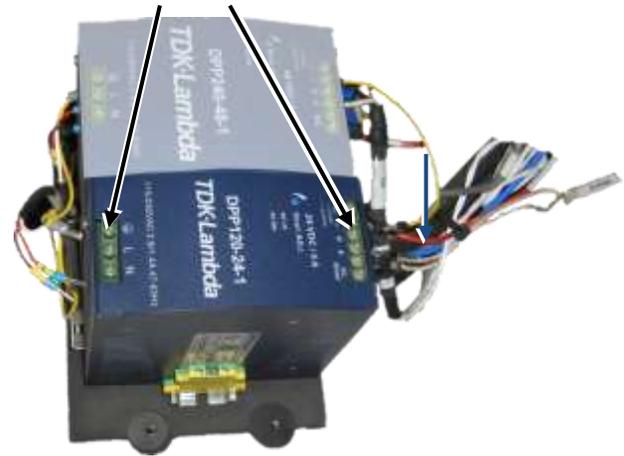


Figure 3-4. Release ALL wires

Step 5.

Remove power supply from the D-rail on which it is mounted:

- Pull out D-rail tab at base of unit. (You may use a small flat screwdriver)
- Pull the PS back and lift to remove from rail.
- Set the unit aside.

Pull tab out Pull PS back and lift to disconnect from rail

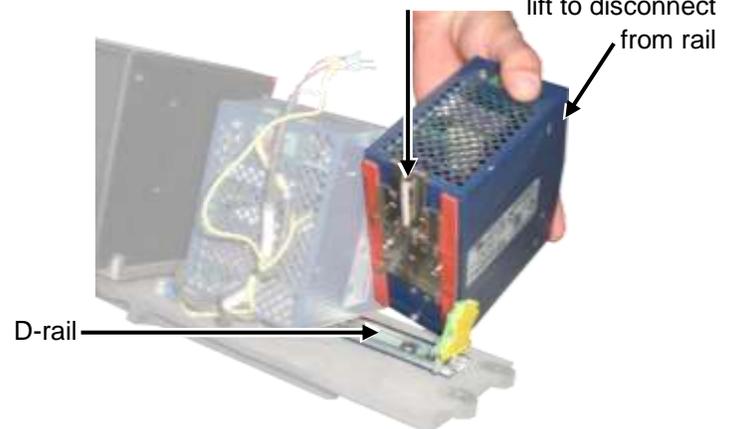


Figure 3-5. Remove Power Supply from D-rail

4. Installing a Power Supply

Step 1.

Slide the Power Supply onto the D-rail.
Apply pressure on the PS module until the module locks-on to the D-rail.

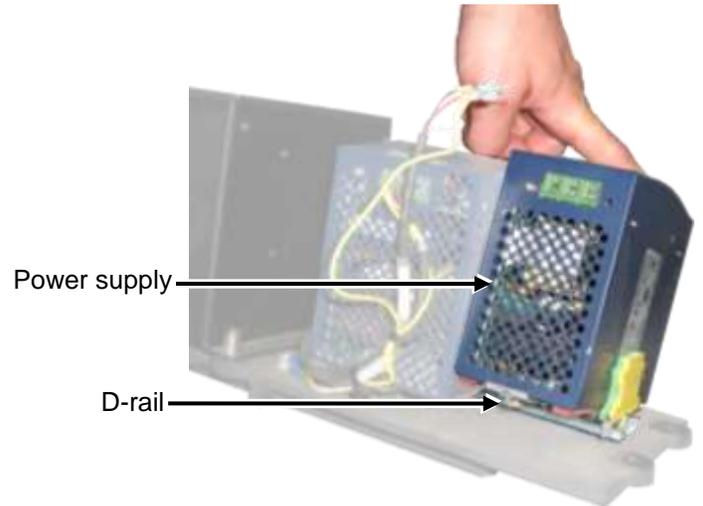


Figure 4-1. Mount PS on D-rail

Step 2.

Carefully reconnect the wirings to the top of the unit.

NOTE: Make sure you connect each wire to the same position from which it was removed (use cables markings).

GND – yellow;
Line – red;
Neutral – black'

Connect wires according to labels

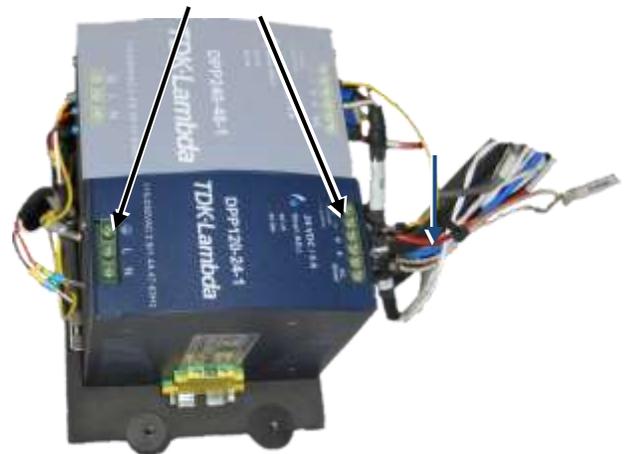


Figure 4-2. Connect Wires

Step 3.

- Position the cover so that the LED is visible through the designated holes in the cover.
- Tighten the 4x captive screws.

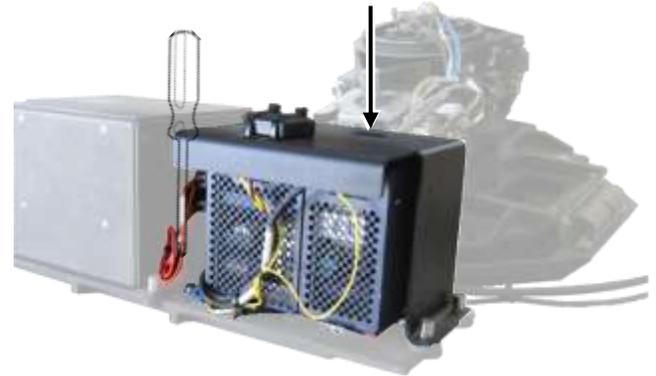
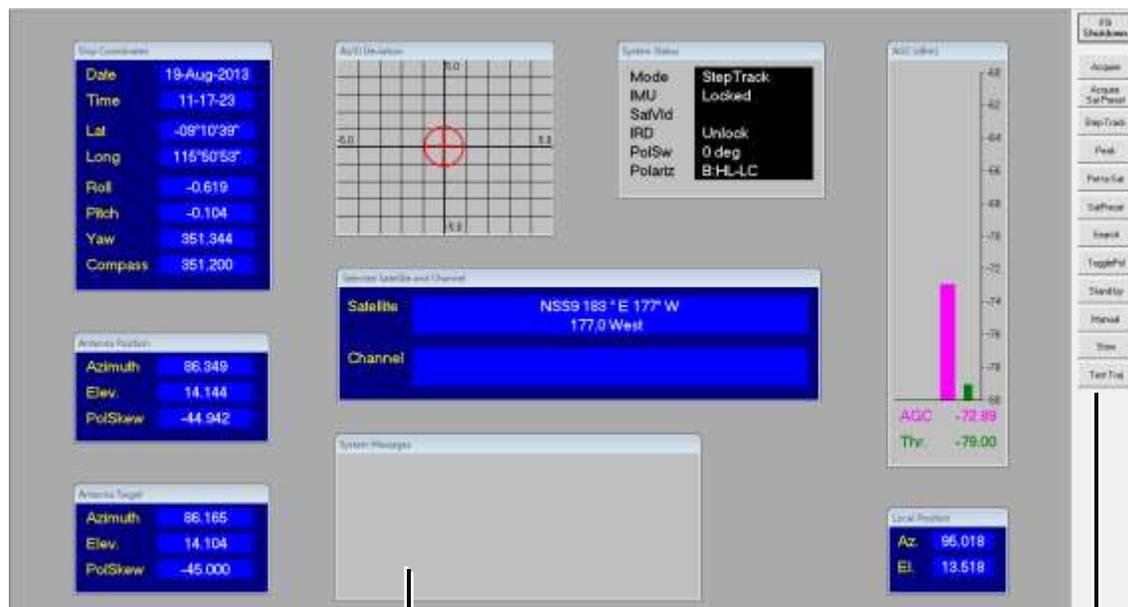


Figure 4-3. Assemble cover

5. Performing Verification Test

1. Verify the cable routing is correct and properly secured.
2. Power up the system and confirm system initializes properly.
3. To make sure the technical process completed successfully, in the **MtsLink** application:
 - Click on **Test Traj**
 - Make sure no error messages appear in the System Messages window.
 - Acquire satellite and verify you have proper AGC.
 - Verify the Modem Rx EbNo and TX power with NOC.



No error messages