3-Wire Installation with vPod and OBD Y-Cable for the CalAmp LMU-26x0 Internal Antenna Modem

Modem Installation and Placement:

The LMU modem is to be located at the top of the dashboard, right up against the windshield underneath the plastic cover to provide a clearance of greater than 8" to any part of the person's body. To avoid interference with vehicle controls and to relocate the vPod cable from the driver's compartment, an OBD y-cable will be used.

Connecting Wires to Power, Ignition and Ground:

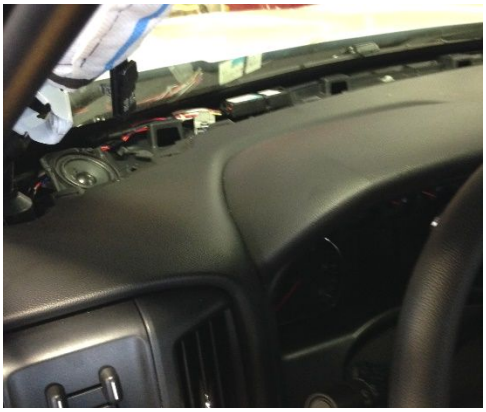
- Power input (Red Wire) must be connected to a constant (un-switched) +12 VDC or +24 VDC supply. Preferably, connected directly to the vehicle battery terminal or as close to it as possible. This connection point should be fuse protected to not more than 5 Amps.
- Ignition input (White Wire) must be connected to the vehicle ignition or another appropriate key operated line. Ensuring power to the Ignition wire is available only when the ignition is on.
- Ground line (black wire) must be connected to chassis ground.

If you must connect through the fuse box, use standard commercial wiring practices to create a permanent installation rather than using press-in fuse clips or other temporary measures.

Note: Failure to connect these lines in the manner described may result in discharge of the vehicle battery.

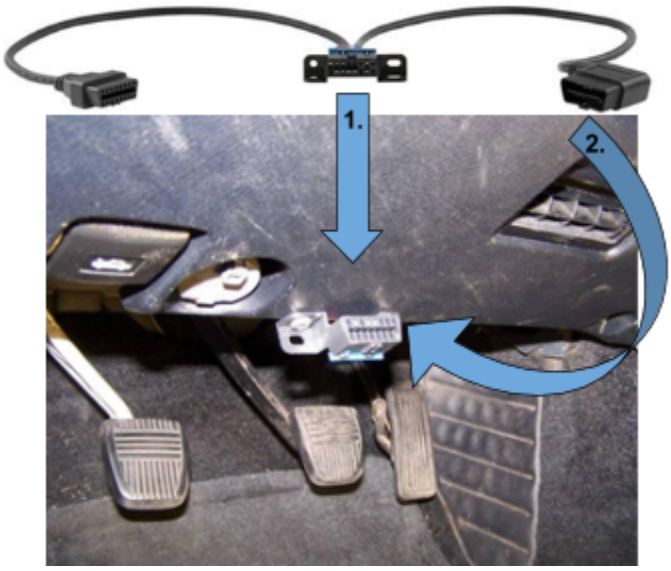
Remove the cover plate at the top of the dashboard behind the steering wheel to expose the space underneath. The GPS modem is to be located up against the windshield, secured in place and be positioned in a way to ensure the modem label is facing skyward.



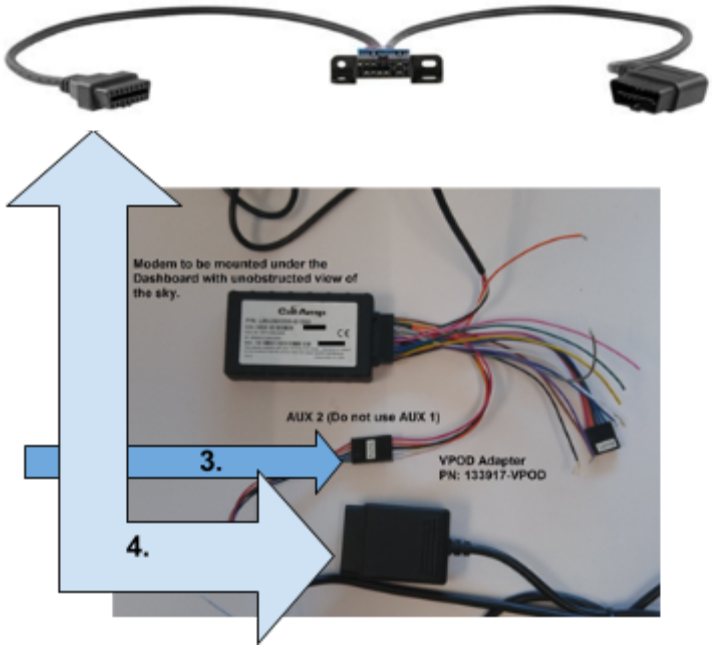


Connecting the VPod Cable to LMU and Installing Y-cable into the Vehicle:

1. Replace the Female OBD connector in the vehicle with the same Female connector of the Y-Cable.
2. Plug in the Male connector of the Y-Cable to the Vehicle's Female OBD port.



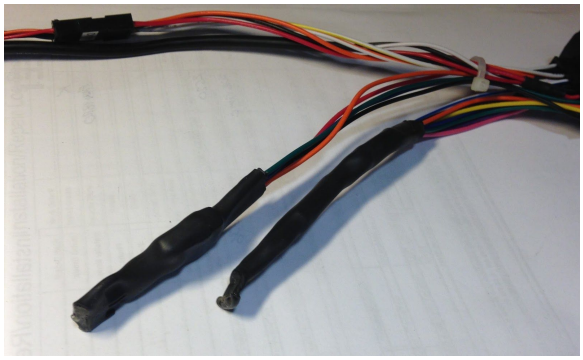
3. Plug in the 5-pin Molex Connector of the VPod cable into AUX-2 port on LMU-2620 Power Harness.
4. Plug in the Male Connector of the VPod cable into the Female connector of the Y-Cable.



Office Hours: Monday to Friday 9:00 AM - 5:00 PM EST
Fleet Freedom Support Phone Number: 1 (866) 787-2548 Option 2 English or 9 French
Email: support@fleetfreedom.com

All wires and cables should be used at the length provided.

Due to safety concerns all wiring should be neatly tie wrapped and secured to restrict movement and ensure no wires hang down that could potentially interfere with driver activity.



The extra non-essential wires on the LMU's power harness should be individually heat shrunk to avoid accidental contact with other wires or ground.

Notes:

The LMU modem should not be installed inside the engine compartment and should be in a location where it will not be exposed to the elements.

Install Verification:

Turn the vehicle's ignition on, this will power up the modem and allow you to check the modem's status LED's. It could take up to 5 minutes to get a connection with both the Cellular and GPS network.

LMU LED Blink patterns:

Orange LED:
The orange LED represents the Cellular Network Connection.

- Slow flash – No connection or looking for Network
- Fast Flash – Found network attempting to connect
- Solid – Connected to the Network.

Green LED:
The green LED represents the GPS connection

- Slow – GPS is on, looking for Sync
- Fast – Tracking satellites attempting to acquire GPS fix
- Solid - GPS Fix acquired

NOTE:
If the vehicle is indoors there is a strong likelihood that you will not receive a GPS Signal Fix (Green LED).

All installations must be verified to ensure proper modem reporting, call Trak iT: 1-866-787-2548 (416-641-1300) ext 2.