

Before You Begin

The installation kit contains the GPSI-5000 GPS device, 24-pin harness, Diagnostic Cable, ring terminal, ground screw, star washer, 14-in and 8-in cable ties, installation guide and registration card.

Additional tools that you may need include a pen, dash panel removers, insulated crimpers, wire cutters, wire strippers, electrical tape, tamper seal, cordless drill, Phillips bit, razor blade/knife and multimeter.

Installation Steps

The following steps provide an overview of the installation process:

1. Install Preparation.
2. Cable Installation.
3. Install Add-On
4. Device Connections.
5. Verify and Secure Install.

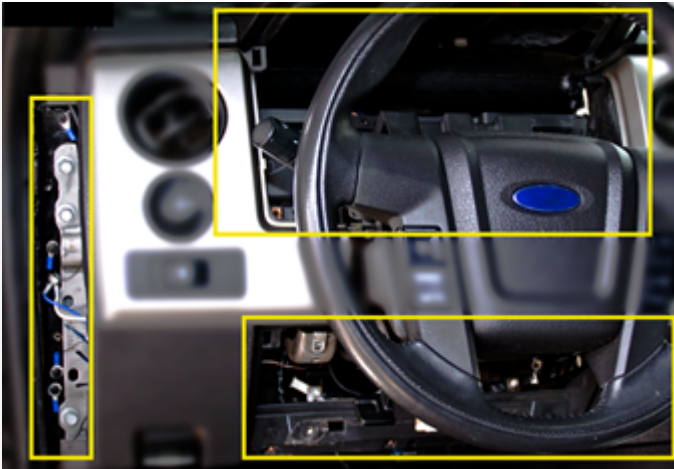
1. Install Preparation.


Locate the device, 24-pin harness, wire strippers, cable ties, wire cutter, registration card, pen and dash panel removers.

1. Record the 10-digit serial number (ESN) of the device onto your paperwork/registration card.



2. Remove the dashboard panels for harness installation and device mounting.

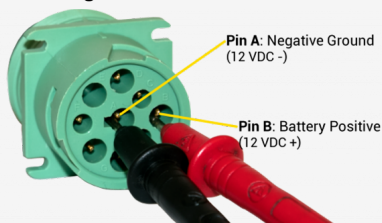


 **Note.** The device will be mounted behind the dash cluster.

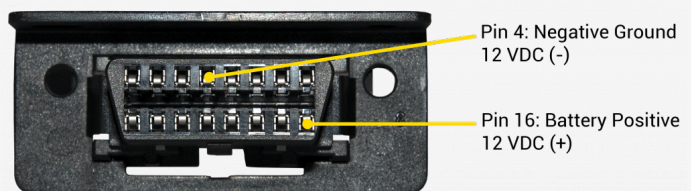
2. Cable Installation.


1. Ensure the key is removed from the ignition, then locate the vehicle's diagnostic port under the dashboard. Using a digital multimeter, test for constant power at the port:
 - A. **9-Pin Diagnostic Connector:** Place the positive probe on Pin B and the negative probe on Pin A.
 - B. **16-Pin Diagnostic Connector:** Place the positive probe on Pin 16 and the negative probe on Pin 4.

9-Pin Diagnostic Port



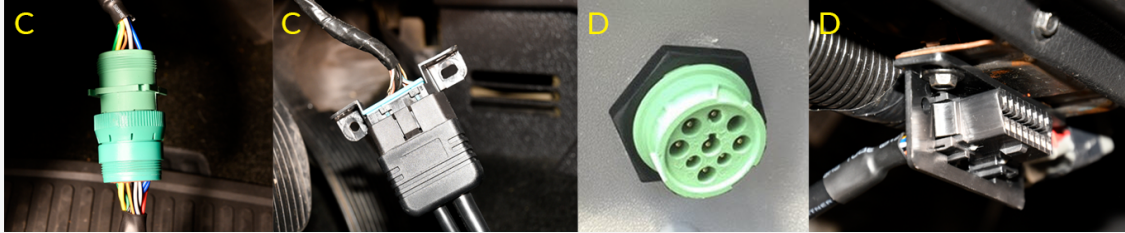
16-Pin Diagnostic Port



 **Note.** Test with ignition On and Off. If the port does not have between 12 VDC and 24 VDC (+) when the ignition is On; check vehicle fuse. If power is lost at ignition Off, refer to the 'GPSI-5000: Hardwire Guide' and wire the three wires (switch/constant/ground) of the 24-Pin harness as instructed.

- C. Free up the existing diagnostic port from its current location in the vehicle and plug the pass-thru cable connector into the vehicle's diagnostic port.

D. Mount the replacement diagnostic port.

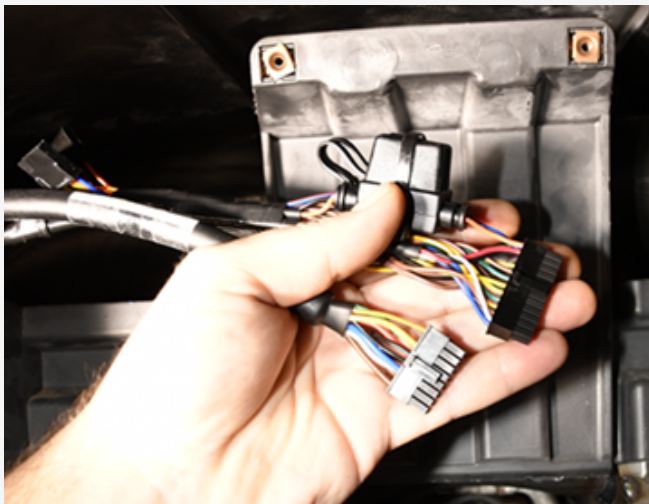


3. Install Add-Ons.

1. If purchased, install the device Add-ons per their installation guide before routing the pass-thru cable through the dashboard cluster toward the mounting location of the GPS device.
2. Stay clear of any moving parts, and ensure the cable will not be pinched or cut when the dashboard is reassembled



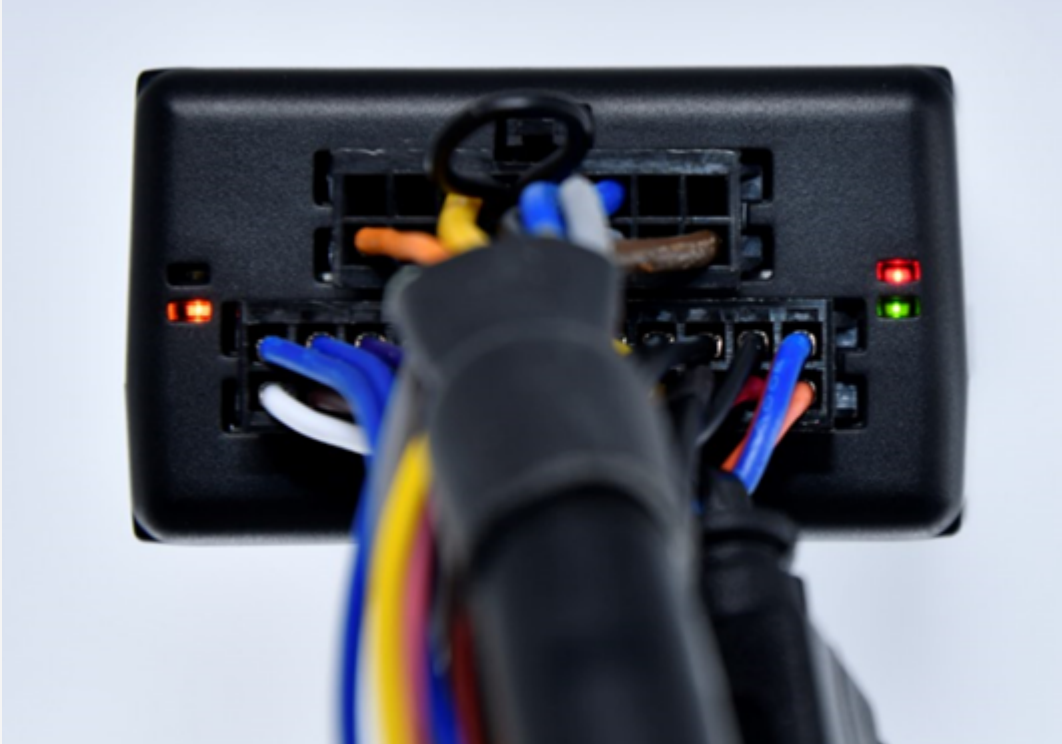
Note. If purchased without add-ons, tape off all unused 24-Pin harness wires and secure to harness with a cable tie.



4. Device Connections.

Locate the GPSI-5000 device.

1. Connect the molex 16-Pin diagnostic cable connector and then 24-Pin harness to the GPS device.



Note. Lights will begin to blink slowly as the device powers on and will begin to blink faster as it searches for a signal. A solid amber light indicates it has received a cellular lock, and a solid green light indicates it has acquired a GPS lock.

2. Mounting location must be high within the dashboard, white sticker facing up, behind the dash cluster and as close to the dashboard plastic as possible. Do not secure, but place the device in this area for testing.



5. Verify and Secure Installation.

Locate cell phone, registration card, cable ties, wire cutter and tamper seal.

1. Do not start the vehicle.
2. To activate and register your device, with your vehicle card in hand, use the GPS Insight [Verification App](#) via smart phone ([iOS](#)|[Android](#)).
3. After the installation has been verified, secure the cables and device with cable ties and tamper seal all connections.

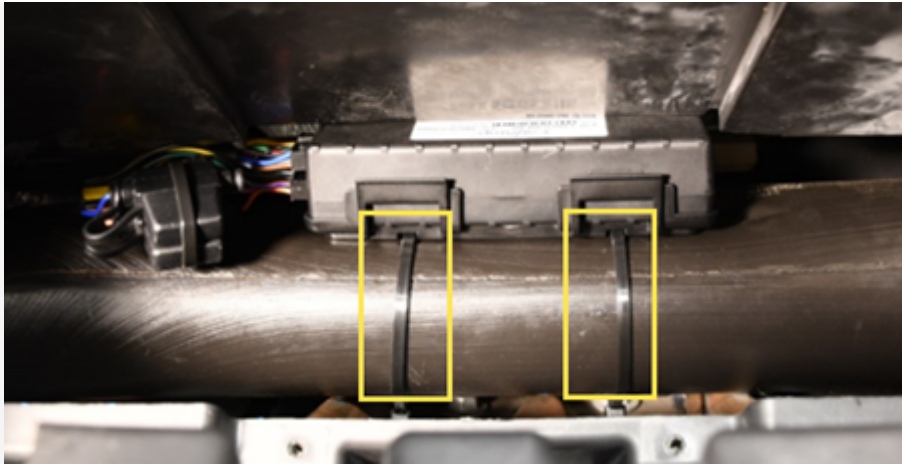
- **Tamper Seal:**



- **Mounting:**

Pro

Link: <https://help.gpsinsight.com/installation-guide/gpsi-5000-diagnostic/> Last Updated: September 15th, 2020



Reassemble the vehicle's dashboard and give the registration card to your GPS Administrator.