

Before You Begin

The installation kit contains the GPSI-5000 GPS device, 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.

For install verification and device registration, visit <https://verifygps.gpsinsight.com> and bookmark the page.

Installation Steps

The following steps provide an overview of the installation process:

1. Install Preparation.
2. Cable Installation.
3. Install Accessory
4. Device Connections.
5. Verify and Secure Install.

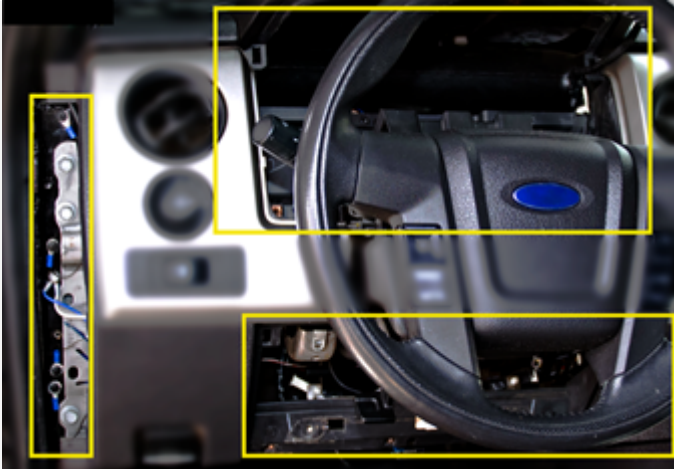
1. Install Preparation.

Locate the device, 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.

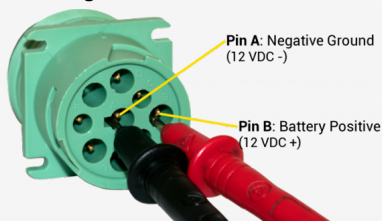


Note. The device will be mounted behind the dash cluster.

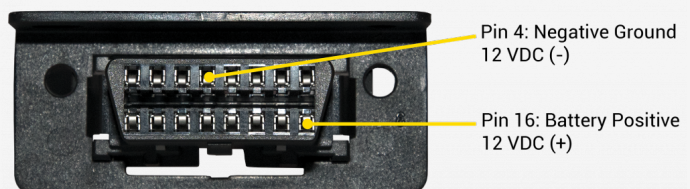
2. Cable Installation.

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

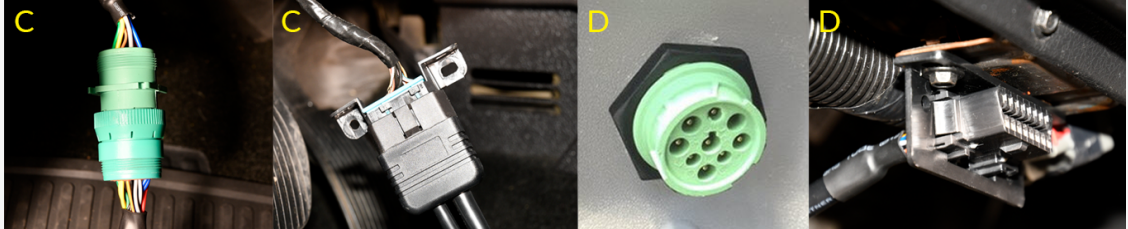


Note. If the port does not provide between 12 VDC and 24 VDC (+) when the vehicle is on or off (keys removed), has a master cut-off, or the vehicle is pre-diagnostic, please follow the instructions listed in the [Pass-Thru Cable Power Reroute Guide](#), or contact Technical Support for further assistance.

- C. Free up the existing diagnostic port from its current location in the vehicle and plug the

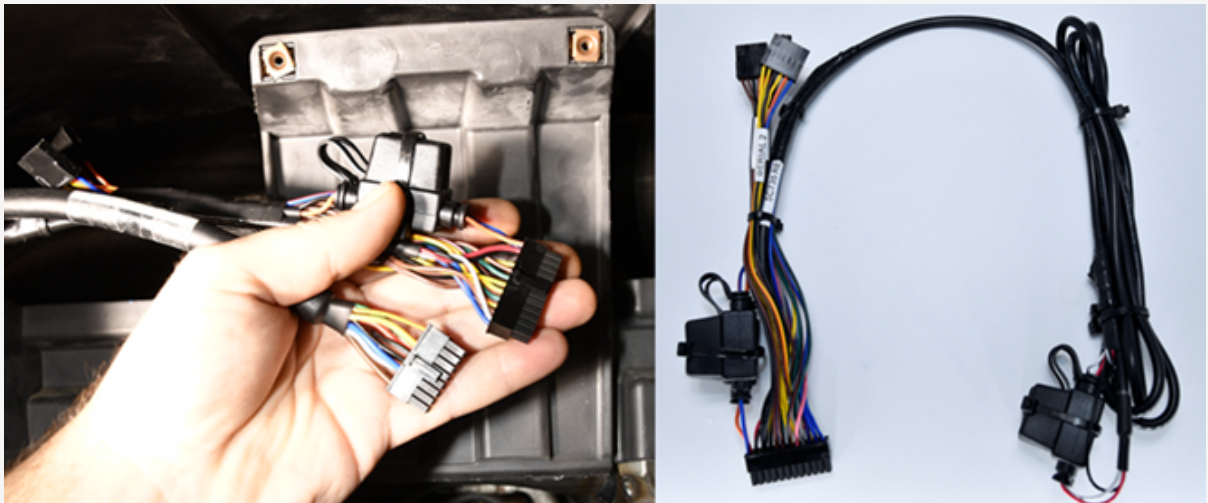
pass-thru cable connector into the vehicle's diagnostic port.

- D. Mount the replacement diagnostic port.



3. Install Accessories.

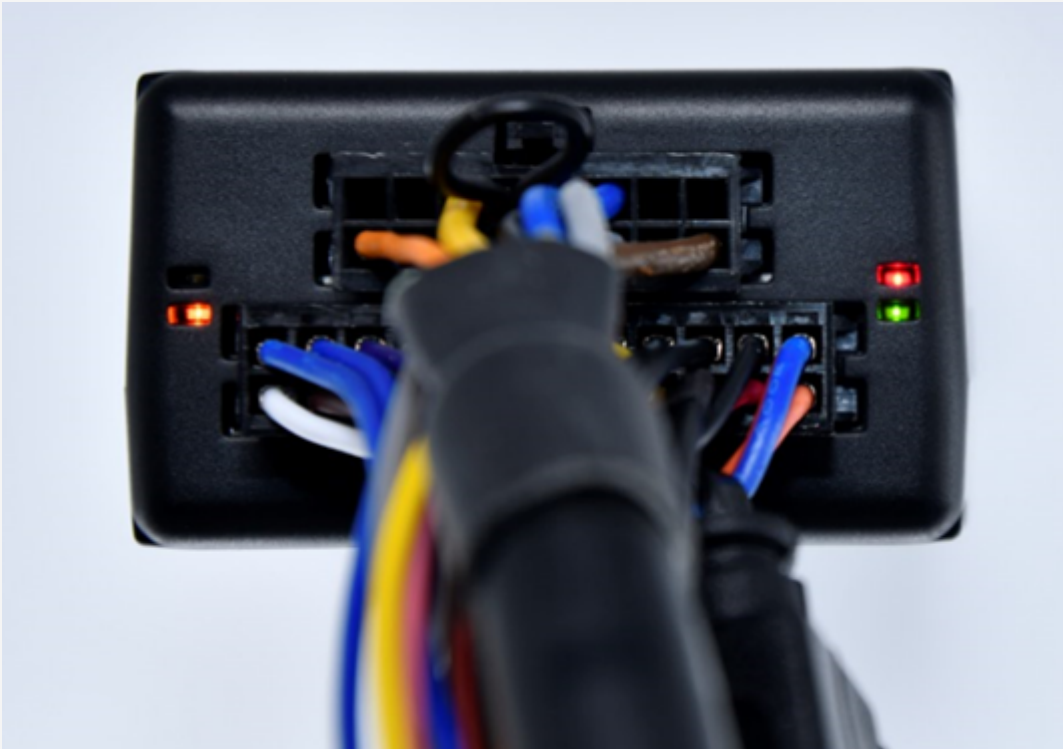
1. If purchased, install the device Accessories per their installation guide before routing the pass-thru cable through the dashboard cluster toward the mounting location of the GPS device.
2. Stay clear of any moving parts, and ensure the cable will not be pinched or cut when the dashboard is reassembled



4. Device Connections.

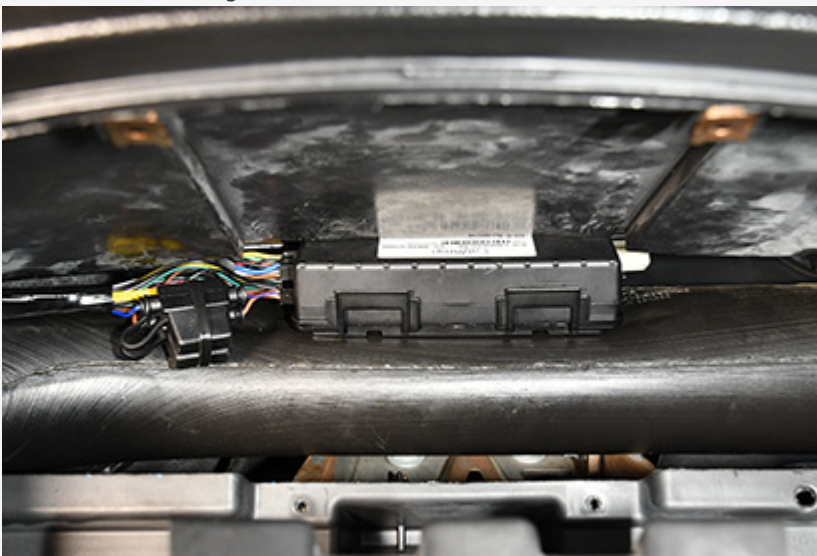
Locate the GPSI-5000 device.

1. Connect the molex 16-Pin diagnostic cable connector 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.

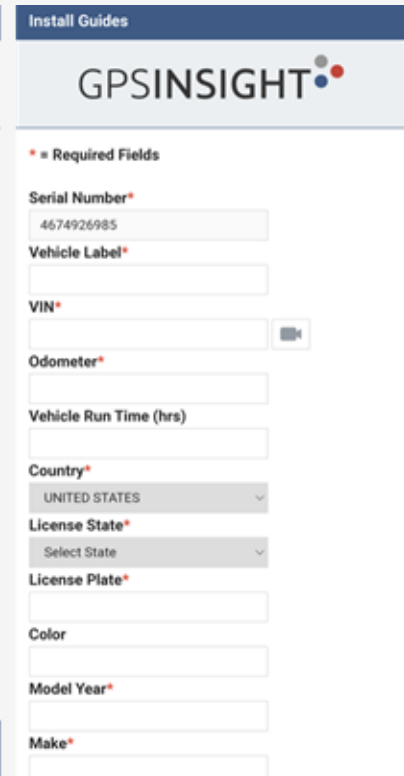
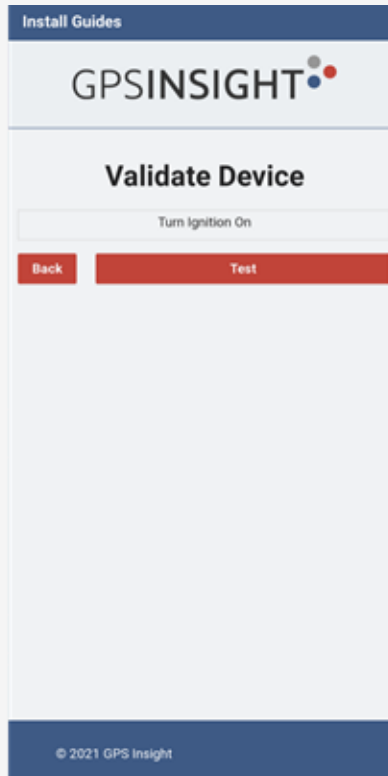
2. Mounting location must be high within the dashboard, white sticker facing up, behind the dash cluster and as close to the dashboard plastic as possible. Do not secure, but place the device in this area for testing.



5. Verify and Secure Installation.

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

1. Open the web app: <https://verifygps.gpsinsight.com/> on your computer or smartphone.
 - Enter your Install Key.
 - Enter the Device Serial Number.
 - Select Device Type: GPSI-5000.



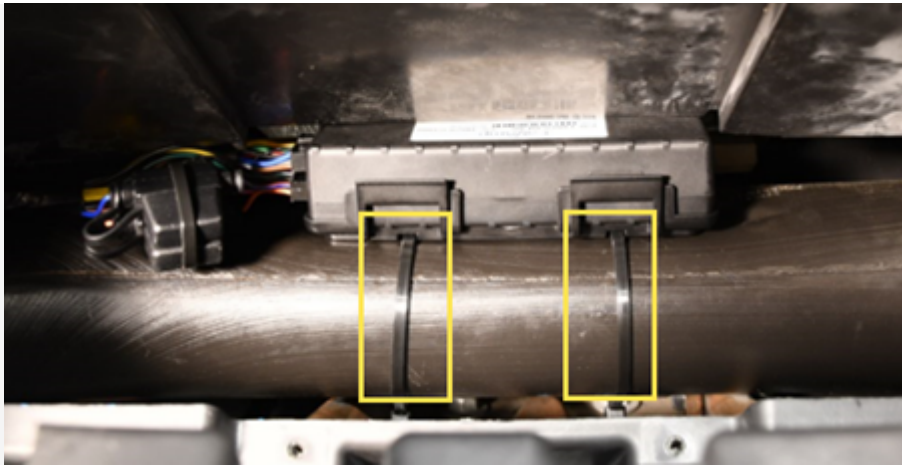
2. After the installation has been verified, secure the cables and device with cable ties and tamper seal all connections.

- **Tamper Seal:**



- **Mounting:**

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



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