

## Prerequisites

### Required Information [*\*needed for final activation of hardware - see last page*]

- Name of asset\* (ex: Propane Truck #20)
- Detailed information about the asset\* (year, make, model, VIN, license plate, etc.)
- State, area, organization, or group the asset belongs to (ex: North Region, MN tankers, etc.)
- ESN of each device to be installed\* (ESN is found on the back of each unit with a barcode)
- Current odometer reading
- Type of diagnostics connector, if possible (6 pin, 9 pin square flange, 9 pin round threaded, J1962, Type II, etc.)

### Required Equipment



**LMU**



**Cradle**



**Tablet**



**Cradle Mount**



**Antenna**



**Diagnostics Y Cable\*\***



**VPod2 Cable  
(if ordered)**



**LMU to Cradle Cable**



**In-Cab Readiness Kit**  
(booklet, stickers, DOT reference card)

- (5) #8 Self-tapping Screw 3/4 inch
- (5) M4 Screw 12mm
- (5) M4 Screw 8mm
- (5) M4 Steel Nut
- (11) M4 Star Lock Washer
- (2) M4 Tamper Resistant Button Head HEX Screw 16MM

**Hardware Pack**  
(supplied hardware is optional and some may not need to be used)

**\*\* Diagnostics Y Cables will vary depending on make, model, year of vehicle. The cable pictured may not be the exact cable shipped.**

### Required Tools

- Drill and assorted drill bits (ex. to mount cradle)
- Slotted, Philips, and/or Torx bits (you may need tamper resistant Torx bits for tablet screws)
- Panel removal tool or plastic pry bar (to remove dash panel(s) as needed)
- Small socket set
- Zip Ties (to hold cabling in place)



## Before You Begin

### **TURN TO THE LAST PAGE - WRITE DOWN THE REQUIRED INFORMATION!!!**

- Decide where the hardware components will be located. If necessary remove any dash panels with removal tool.
- Device should be secured within reach of the diagnostic cable to be installed.
- Must be protected from moisture, excessive dust/dirt, heat (away from heater vents) and unobtrusive to driver operation or field of view.
- Routing of the cable between the factory diagnostic port and the telematics device should not cause excessive bending/kinking or be located in areas where vibration may jeopardize the integrity of the hardware.
- Cabling must not impede function of any rotating or moving parts (ex. Steering mechanisms, wiper mechanisms, or brake pedal)
- Ensure that the mounting location has enough integrity to accommodate the additional weight and vibration of the device.

## Heavy Fleet Vehicles /JBus Diagnostics Port

### STEP ONE

Attach the Male DB15 Connector to the telematics device and tighten the side screws.

*Diagnostics Y Cable*



## STEP TWO

Remove the factory diagnostics cable from its factory mount.

**Remove Factory Diagnostics Cable**



## STEP THREE

Connect the factory diagnostics cable to the Female Diagnostics Connector of the Diagnostics Y Cable (rotate clockwise until it "clicks").

**Diagnostics Y Cable**



**Female Connector to Factory Diagnostics Cable**

*\*\* Diagnostics Y Cables will vary depending on make, model, year of vehicle. The cable pictured may not be the exact cable shipped. Be sure to verify that the Diagnostics Y Cable that you are installing is the correct cable for this asset.*

## STEP FOUR

Replace the factory diagnostics cable with the Male Diagnostics Connector of the Diagnostics Y Cable by installing it into the factory location previously occupied by the factory diagnostics cable

**OPTIONAL** Older model trucks that have a 6 pin diagnostic cable will need a 6-pin to 9-pin adapter between the factory diagnostic cable and the Diagnostics Y Cable.



**Replace Factory Diagnostics Cable with Male Diagnostics Connector from Diagnostics Y Cable**

## Light Duty / Passenger Vehicles - OBD II Diagnostics Port

### STEP ONE

Remove the factory diagnostics cable from its factory mount (*not pictured*).

### STEP TWO

Connect the factory diagnostics cable to the Female Diagnostics Connector of the Diagnostics Y Cable.

### STEP THREE

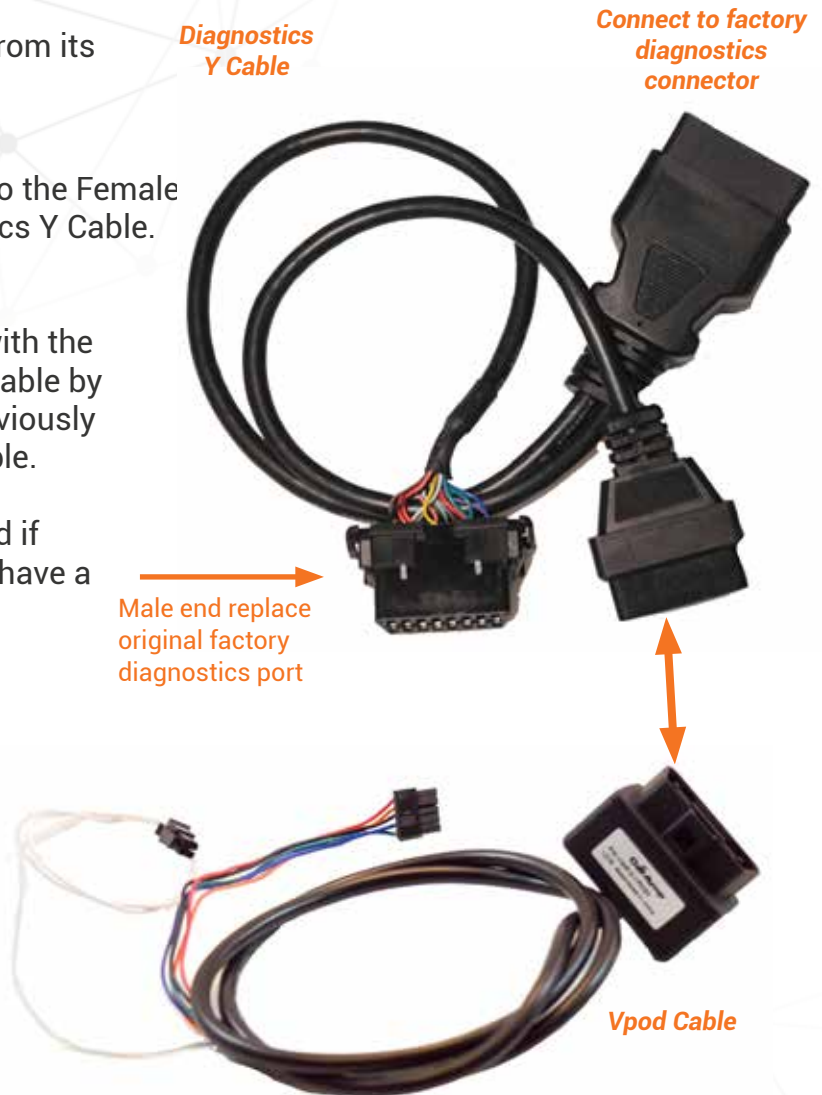
Replace the factory diagnostics cable with the presentation end of the Diagnostics Y Cable by installing it into the factory location previously occupied by the factory diagnostics cable.

**Optional:** a mounting bracket is included if the factory mounting location does not have a removable mount.



### STEP FOUR

Connect the remaining end of the Diagnostics Y Cable to the large end of the VPod cable.



### STEP FIVE

Connect the 4 Pin end (*white wire*) of the VPod cable into the power port on the back of the telematics device.



### STEP SIX

Run the 5 Pin Connector end (*multi-color wire*) of the VPod2 cable to the telematics device and plug into the Aux 1 port on the front side of the telematics device.





## Mount Cradle

### STEP ONE

Attach the Cradle Mount to the back of the Cradle. Use the four short machine screws and star lockwashers.



### STEP TWO

Attach the Cradle Mount to the vehicle dash in a location where the driver can easily view without obstruction. (not pictured)

*Optional:* Use the (2) 16MM HEX screws to secure the tablet to the cradle. **Note:** the driver will not be able to remove the tablet from the cradle.

### STEP THREE

Plug the 5 Pin connector from the LMU to Cradle cable into the Aux 2 port of the telematics Device.



### STEP FOUR

Plug the 6 Pin connector from the LMU to Cradle cable into the side port of the cradle.



## Antenna Connection



- Antenna clearly marked **"THIS SIDE FACES THE SKY"**
- The antenna should be placed with a **clear view to the sky**, with no metal obstructions above or overhead.
- Mounting the antenna to the bottom side of a plastic dash panel is acceptable, but a window location without obstruction to the driver is preferred.

### PUCK/DISC ANTENNA

Peel sticker and attach to the inside of the windshield in a lower corner where it does not obstruct the view of the driver.



*Puck/Disc Antenna*

### PADDLE/RECTANGULAR ANTENNA

Use adhesive tape/pad and attach to the window in a place that does not obstruct the view of the driver, or attach inside the plastic dash panel in an area that does not have any metal between the placement of the antenna and the windshield.



*Paddle/Rectangular Antenna*

The antenna includes two attached cables that will attach to the telematics device. The ports are unique and only fit each corresponding correct port.

**Cellular:** The cable labeled Cellular fits the Comm connector which is the smaller threaded port.

**GPS:** The cable labeled GPS fits the GPS connector which is the larger threaded port.



## Testing / Confirmation Steps



Place the ELD Instruction Booklet inside the vehicle (required by law). If required, adhere the ELD Sticker on the driver side of the vehicle near the driver's door. The final test step requires the asset to be outside with a clear view of the sky.

- **Start** the asset's engine and let it run.
- LED indicator lights will blink then turn solid. (Green/GPS & Orange/Comm)
- If the lights continue to blink, reconfirm all connections.



Once the lights are solid, call your Pedigree Technologies Installation Support representative to confirm and finalize the installation **before** replacing any of the dash panels you may have removed during installation.

**NOTE:** ELD indicator light on the cradle will blink red when engine is running. (The light will not stop blinking until a Driver logs into their account on the tablet which is not necessary for this installation.)



### Install Confirmation: 701-499-0022

You will be prompted for the following information during the set up process

- Device ESN
- Name of Asset (ex. Service Truck 51)
- Year, make, and model
- VIN #
- License plate #
- Mileage  Hours