

## 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 and engine hours
- Type of diagnostics connector, if possible (6 pin, 9 pin square flange, 9 pin round threaded, J1962, Type II, etc.)

### Required Equipment



**LMU**



**Diagnostics Y Cable\*\***



**ELD Malfunction Indicator**



**Antenna**  
(Paddle or Puck)



**Accessory Harness**



**VPod2/OBDII Cable**  
(if ordered)



**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)
- 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 does not cause excessive bending/kinking or 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.
- ELD Malfunction Indicator light must be mounted in a location that is visible to the driver from the normal driving position.

## ELD Malfunction Indicator Light Assembly



### **STEP ONE**

Place O-ring behind light

### **STEP TWO**

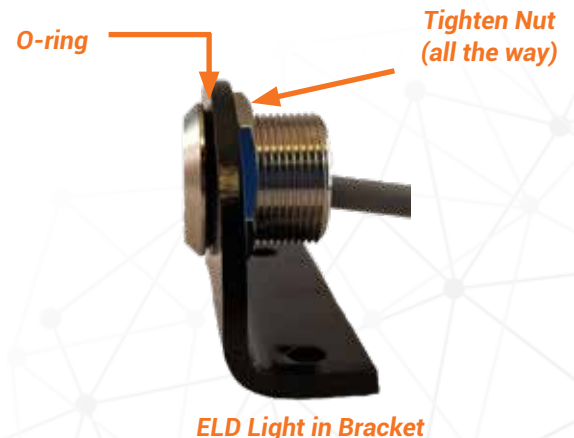
Feed cable through bracket.

### **STEP THREE**

Secure with nut.

### **STEP FOUR**

Attach bracket to dash with self-tapping screws.  
(Review "Before You Begin" for mounting location.)



## ELD Malfunction Indicator Light *(continued)*

### STEP FOUR

Run ELD Malfunction Indicator Light cable to the telematics device and plug into the 6 pin connector of the ELD Harness.



### STEP FIVE

Plug the 22 Pin connector into the back of the Telematics Device.



### STEP SIX

Plug the male 5 Pin plug from the ELD Harness into the Aux 1 port on the front of the Telematics Device.



## Heavy Fleet Vehicles /JBus Diagnostics Port

### STEP ONE

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



### STEP TWO

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

### STEP THREE

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

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

**Diagnostics Y Cable\*\***



### 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.





## 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** Run the 5 Pin Connector end (multi-color wire) of the VPod cable to the telematics device and plug into the female 5 Pin connector of the ELD Harness that is/will be inserted into the Aux 1 port on the front side of the telematics device. \*\* See ELD Malfunction Indicator Light instructions.

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



## 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.



Call Pedigree Technologies support to confirm installation **before** replacing any of the dash panels you may have removed during cable 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