

## 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



**Cradle/LMU**



**Tablet**



**Cradle Mount**



**Diagnostics Y Cable\*\***

- (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 20MM

**Hardware Pack**



**In-Cab Readiness Kit**

(booklet, stickers, DOT reference card)

\*\* 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

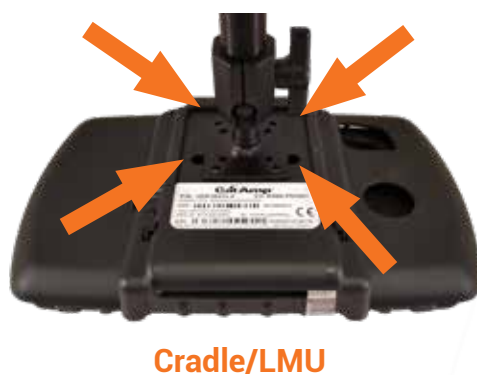
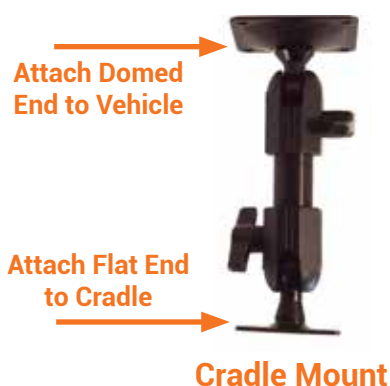
### TURN TO THE LAST PAGE - WRITE DOWN THE REQUIRED INFORMATION!!!

- Decide where the hardware components will be located. If necessary remove any dash panels with removal tool.
- Must be 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.

## Attach and Mount Cradle

### STEP ONE

Attach the Cradle Mount to the back of the Cradle/LMU. 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.

*Optional:* Use the (2) 20MM HEX screws to secure the tablet to the cradle. **Note:** the driver will not be able to remove the tablet from the cradle.

## Connect to Asset 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 ONE

Remove the vehicles's factory diagnostics cable from its factory mount.

### STEP TWO

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

Replace original Factory  
Diagnostics port



Connect to Factory  
Diagnostics port



### STEP THREE

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.



*JBUS style factory diagnostics port*

## Connect Diagnostics Cable to Cradle

### STEP FOUR

Run the 16 pin Molex connector to the location of the telematics device.



OBDII Style Cable

OR



Jbus Style Cable

### STEP FIVE

Connect the 16 pin Molex connector to the bottom of the telematics device.



Bottom View of Cradle/LMU

## Testing / Confirmation Steps

**STEP ONE** Start the vehicle. While the engine is running, the CabMate-One should run through its boot cycle automatically. The Comm and GPS lights will flash and then turn solid. When they are solid, move on to the next step. *(The Vehicle light may flash or may go solid, depending on the vehicle type.)*



Comm - Solid Yellow/Orange

GPS - Solid Green

VEH - Solid or Blinking Red  
*(Depends on Vehicle)*

AUX - Not Used

*Front cradle light is ELD Malfunction Indicator - will flash red when tablet/driver not connected. Should be flashing when ignition on and running for this installation.*

**STEP TWO** 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