Prerequisites

Required Information

- Name of asset *(ex: Loader #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 hour meter reading on equipment

Required Equipment

TTU 2840

Power Cable

Fuse Holders (2)

Fuse Taps (4)

2 Regular, 2 Mini

TTU 2830

Required Tools

- Drill and assorted drill bits
- Slotted and Philips Torx bits *(in some cases you may need tamper resistant Torx bits)*
- Small socket set

Before You Begin

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

- Decide where the hardware components will be located and make sure the device is secured within the cabling distance to the power source.
- The device must have a clear view to the sky, free from metal obstructions.
- Ensure that the mounting location has enough integrity to accommodate the additional weight and vibration of the device.
- Ensure that the trailer/equipment is connected to a power source to complete and test the install.
- Additional mounting harware may be needed.

3-Wire Installation

STEP ONE Chassis ground-Connects to the BLACK wire of the Power Harness.

A clean, bare-metal chassis ground point, battery ground, or electrical grounding bus bar where the resistance between the battery of the vehicle and this point is less than 2 ohms.

STEP TWO Constant 12V+ (Battery)-Connects to the RED wire of the Power Harness. Use fuse in connection.

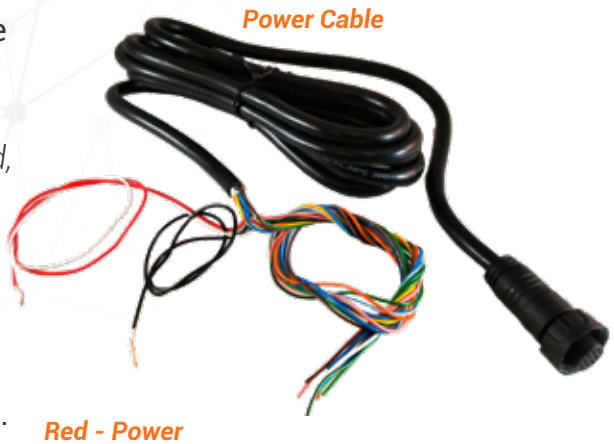
A source of positive 12Vdc voltage that continuously has power regardless of the status of the ignition switch or any accessories. This source should supply between 11 and 14.5 volts of power normally and be capable of supplying at least 3A of current.

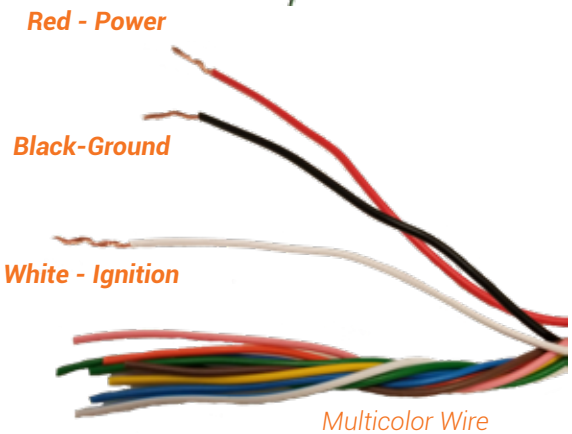
STEP THREE Switched 12V+ (Ignition/hour-meter)-Connects to the WHITE wire of the Power Harness. Use fuse in connection.

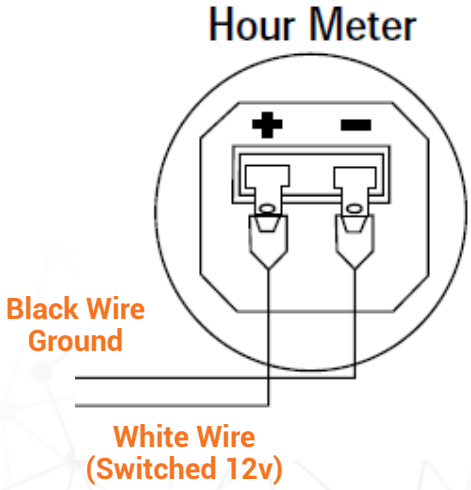
A source of positive 12Vdc voltage that shows 0 volts when the engine is not running and battery potential (usually 11-14.5 volts) when the engine IS running.

NOTE: The recommended point of connection for the BLACK and WHITE wires in a Mobile Equipment Manager installation would be directly at the factory hour-meter. This will provide the most accurate monitoring of engine runtime. Contact Pedigree Technologies if you have questions about alternate connection points.

This is acceptable assuming that the (+) wire for the hour-meter is the one that transitions from ON to OFF with the engine. ***If your particular hour-meter has a switching GROUND connection, this method is NOT acceptable!***







3-Wire Installation

(LMU 2840 Only)

STEP FOUR Remove the protective cap from the pin port on the telematics device.

STEP FIVE Match up the notch and pins from connector end of the cable with the port on the telematics device to connect the Power Cable to the telematics device. *(It is easier to match up the cable with the device before the device is mounted or secured.)*

match notches

STEP SIX Secure telematics device to a flat surface on exterior of the cab or trailer/equipment with an unobstucted view to the sky. Additional hardware may be required.

CAUTION: ROPS (ROLLOVER PROTECTION STUCTURES) FOPS (FALLING OBJECT PROTECTIVE STRUCTURES) CANNOT BE DRILLED INTO OR CUT INTO AS IT MAY WEAKEN THE STRUCTURES ABILITY TO PERFORM ITS INTENDED FUNCTION. THE ROPS/FOPS SYSTEM INCLUDES THE STRUCTURE, ITS MOUNTS TO THE MAIN FRAME AND THE MAIN FRAME ITSELF.

Testing / Confirmation Steps

STEP SIX *(continued)* Double sided acrylic foam tape (not included) is a good non-invasive method of mounting the telematics device.

Telematics Device Bottom

Telematics Device Top

STEP SEVEN Call Pedigree Technologies installation support to confirm and finalize 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. Loader 51)
- Year, make, and model
- VIN #
- License plate #
- Mileage Hours