

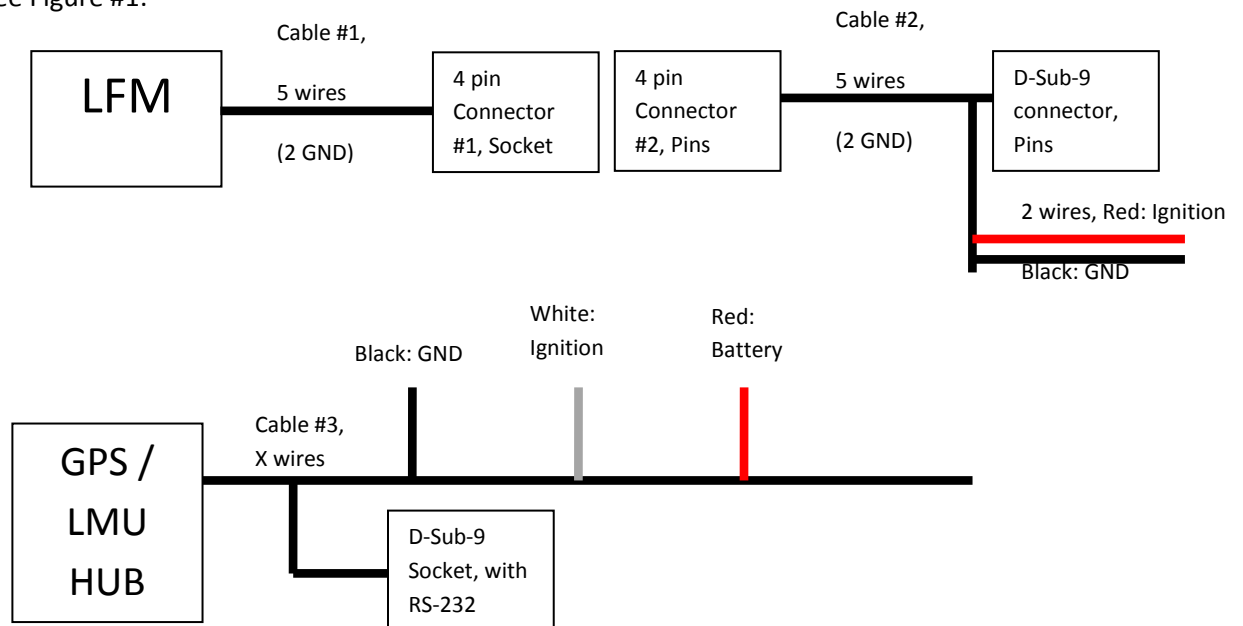
LumeWay

Installation of the LumeWay Fatigue Monitor (LFM) model EA450

Version #1.4

Cable #1 & Cable #2, together route from the LFM camera to the GPS/LMU HUB.

- 1) Route Cable #1 along the window/dashboard edge toward the A-pillar. Wrap to under the dashboard by the door hinge. This is the preferred installation. OR
- 2) Pass through a 5/8" hole in the dashboard. OR
- 3) Instead of cutting a 5/8" hole, a 1/4" hole can be used. To use a 1/4" hole the Cable#1 can be cut ~ 6" from Connector#1. The cut cable will fit through a 1/4" hole. The 5 wires (Red, Black, Green, Blue, Yellow) would then need to be spliced together.
- 4) Cable #2's Red & Black wires need to be spliced/crimped to Ignition and Ground. When the vehicle is off, the LFM is not powered. The LFM accepts either +12V or +24V power, current draw is 100mA at 12V (or 60mA at 24V). A 1.0 amp fuse is optional. The absolute maximum voltage is 35 volts. After crimping the Ignition & Ground apply heat to the heat-shrink splice, see Figure #1.



Cable Overview:



Figure 1: Cable #2

Name	Color
Power	Red
Ground:1	Black
Ground:2	Yellow
RX (camera receive)	Blue
TX (camera transit)	Green

Table 1: Cable 1

Name	Color
Ground:2, pin 5	Yellow
RX (camera receive), pin 2	Blue
TX (camera transit), pin 3	Green

Table 2: Cable 2