



NEW Mack MRU Wiring Installation

Date: 6.3.2024

Subject: NEW Mack MRU Wiring Installation

Models: Mack MRU



Cummins Clean Fuel Technologies

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Unplug 3 Pin J1939 connector on LH rear of engine going from the Cummins engine harness to the OEM engine harness.



Plug in (1) J1939 Y Harness and plug in the J1939 connectors in the Chassis Interface Harness.

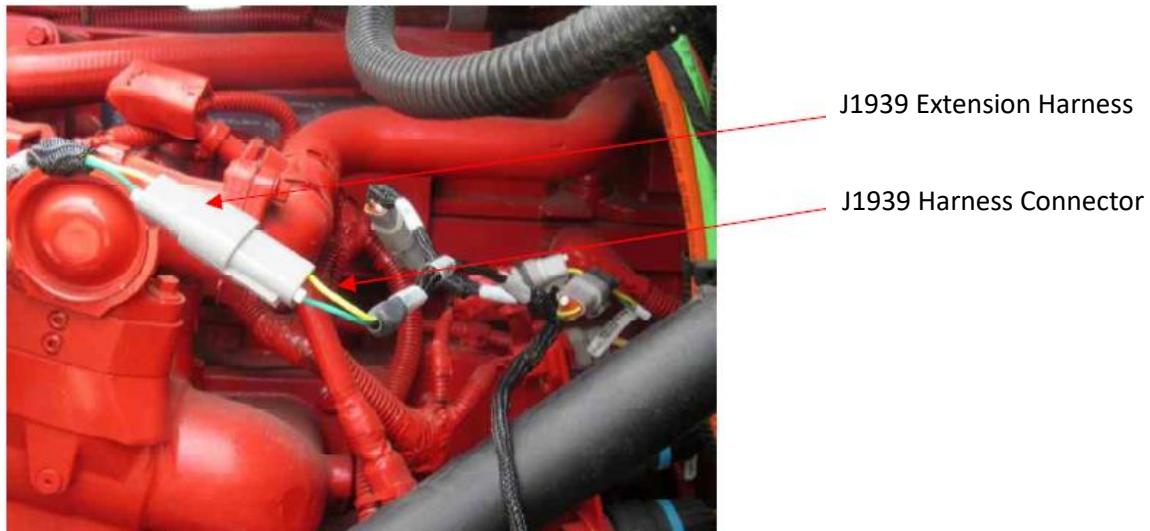


J1939 Y Harness

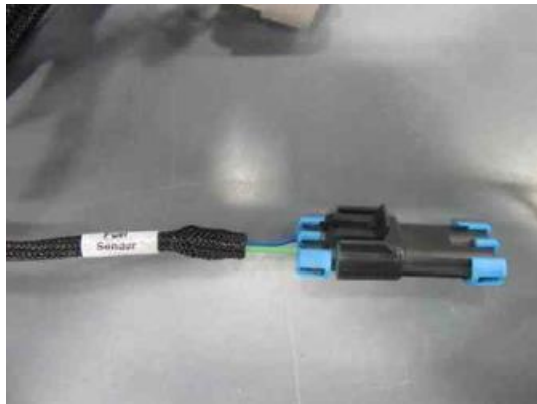
OEM Engine Harness Connector

Chassis Interface Harness
J1939 Connection

Plug in J1939 Extension Harness and run into the cab to the opening for the fuel gauge.

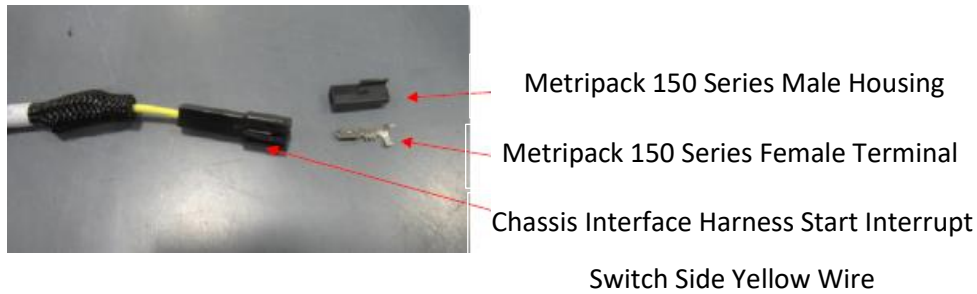


Run fuel level signal wire from the Fuel Sender connector pin A (Blue Wire) on the Chassis Interface Harness into the cab.

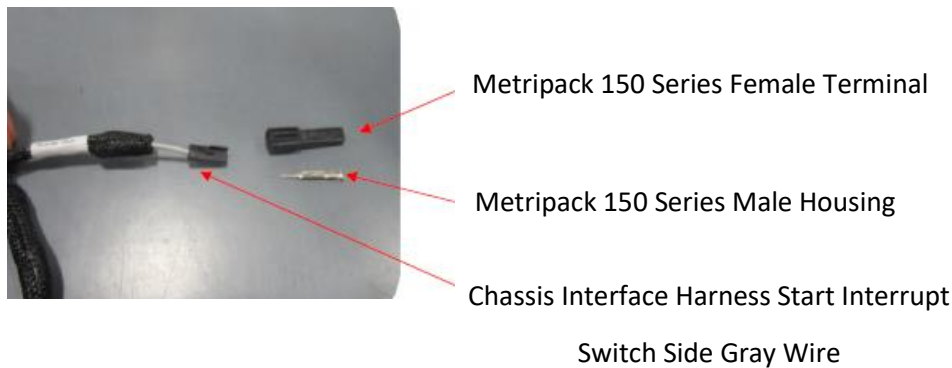


Run the Start Interrupt, Power, and Ground wires into the cab. Start Interrupt needs to route by the key switch, and the power and ground need to route to the center of the doghouse.

Cut the crank wire coming from the key switch (pin B on key switch) in a location that connectors can be installed on both ends. Install the Metripack 150 Series Male Housing on the wire going to the key switch side to connect to the yellow Starter Interrupt Switch Side connector on the Chassis Interface Harness.



Install the Metripack 150 Series Female Housing on the side going to the starter to connect to Gray Starter Interrupt Starter Side on Chassis Interface Harness.



Plug in the Starter Interrupt wires on the Chassis Interface Harness to these connectors. It is imperative that the yellow Starter Interrupt wire on the Chassis Interface Harness goes to the key switch side and must get power directly from the key switch when the key is in the start (crank) position.

Install 10- or 15-amp fuse in CB47 location.

Locate Mack connector labeled Spare IGN 1, which should be located on the LH side near front of doghouse. Cut the terminals off the Battery Power and Ignition Power wires on the Chassis Interface harness and splice them together, and then connector to the Spare IGN 1 connector.

Connect the Ground wire on the Chassis Interface Connector to a spare ground.

Install the gauge in the spare gauge hole on the dash.



Plug the Gauge Harness into the back of the gauge. Connect the J1939 connection to the J1939 extension harness run into the dash previously. Connect the RED power wire on the gauge harness to a spare ignition power and BLACK wire on the gauge harness to a spare ground. The blue wire on the gauge harness will not need to be connected to anything.

