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Installation Instructions

For
#64070 Striker I Power Module
2003-2004 Dodge
Cummins 5.9L 555 ft/lb Diesel

2nd Edition August 2007
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The Striker I Diesel Power Module features an ease of installation and use design. After a few simple connections the tune-ability that you have always wanted from your Cummins diesel will be available at a touch of a button. This module is compatible with the 555 ft/lb Cummins diesel engine. Locate the engine code sticker on the driver's side of the engine and verify this is the engine in the truck. Make sure the key is off before any connections are made.

Parts List:

- 1- Striker I Power Module
- 1- Wire Harness
- 10- 7" tie wraps
- 1- Instruction Sheet
- 1- Multi Decal Sheet
- 4 inches of Velcro

Tool List:

- Long-nose pliers
- Phillips and flat head screwdrivers
- Drill and Drill bits

3/8 Ratchet and Metric sockets

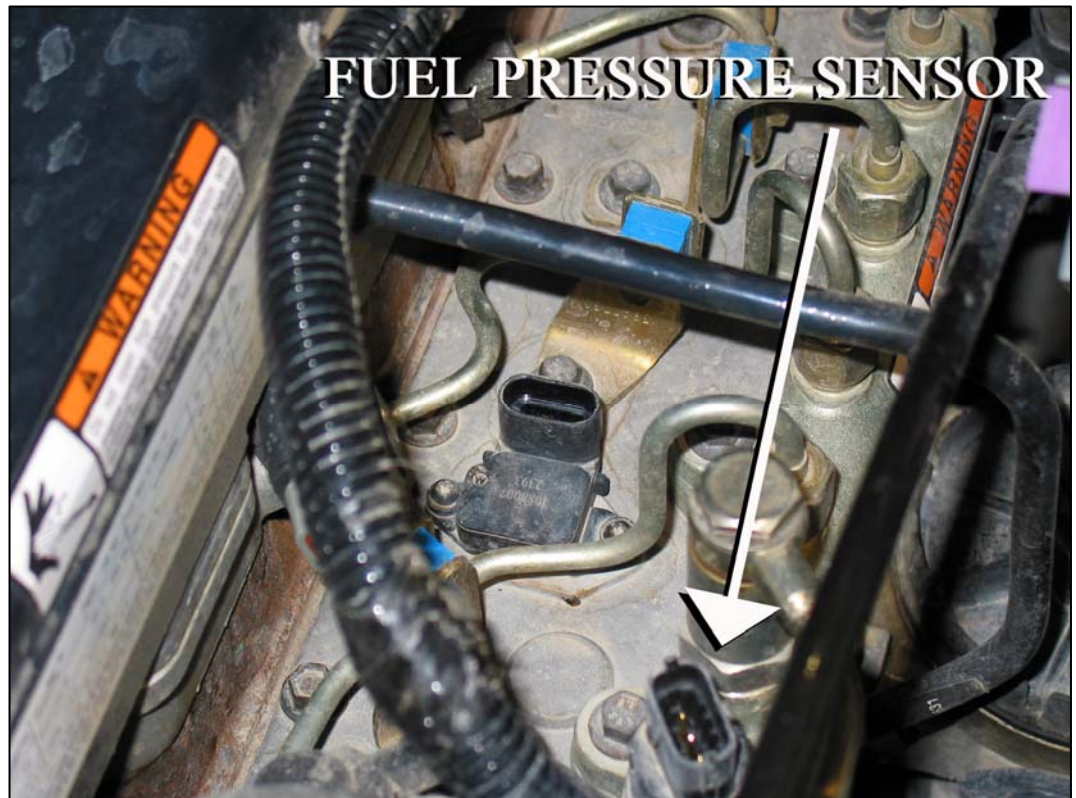


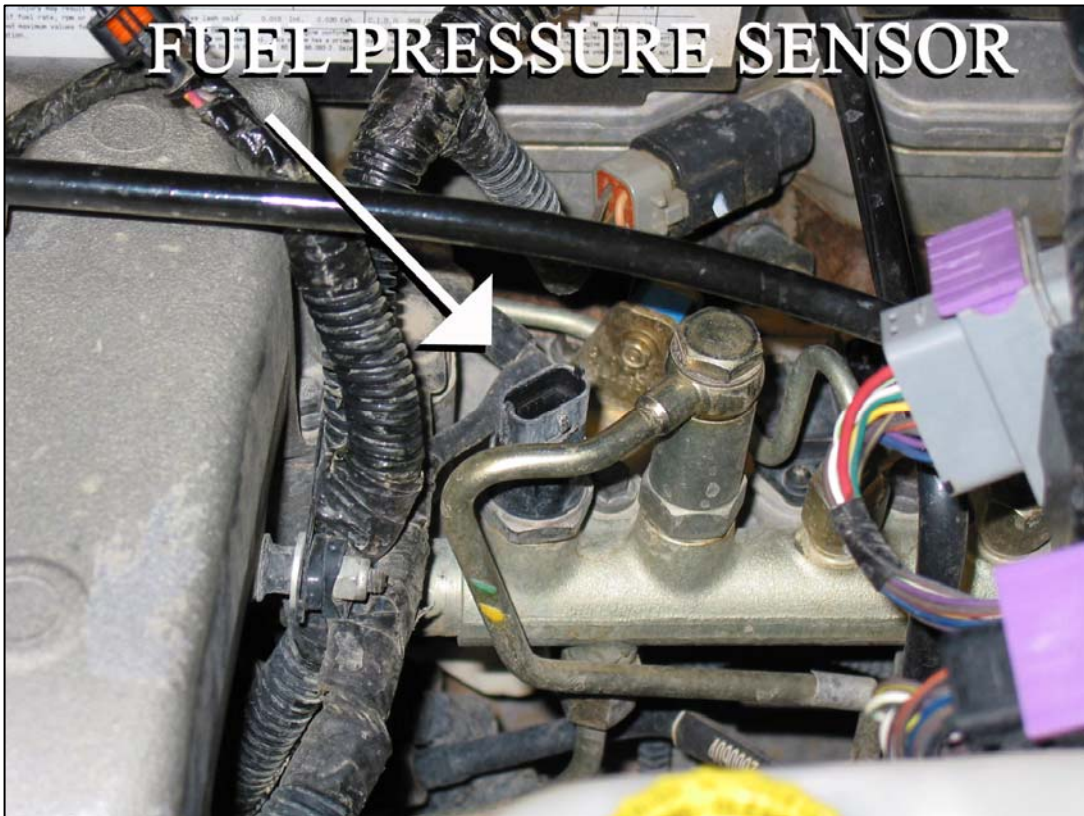
Engine Compartment Installation:

The Striker I Diesel Power Module is shipped with a harness to match your vehicles configuration. Harness alterations are not needed. If difficulties during installation are experienced please contact us via phone at 800-423-9696 or email to tech@painlessperformance.com. Two connections will be made in the engine compartment plus attaching the ground eyelet. Route all wires and connectors away from potential hot spots on the engine. Securely attach the wires using the supplied tie wraps.

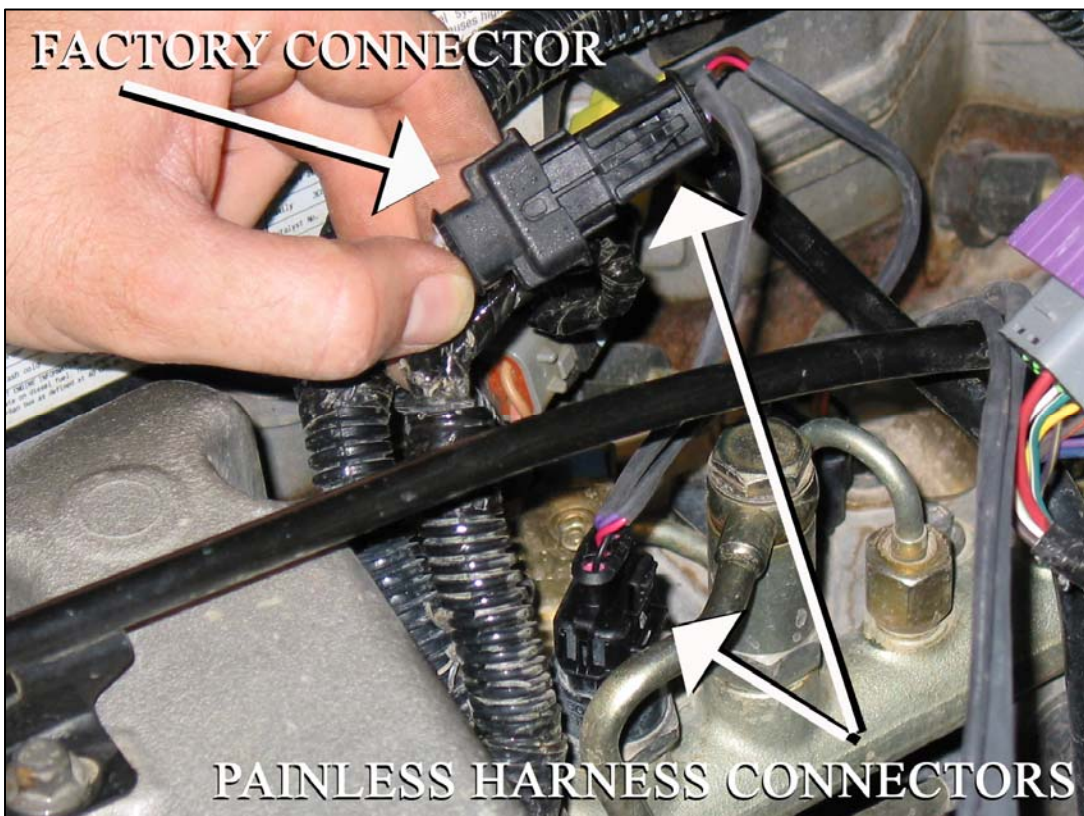
Fuel Pressure Sensor:

Locate the Fuel Pressure Sensor located on the fuel rail just behind the intake manifold pipe. This sensor is directly below the engine oil dip-stick tube and mounted in the high pressure fuel rail.

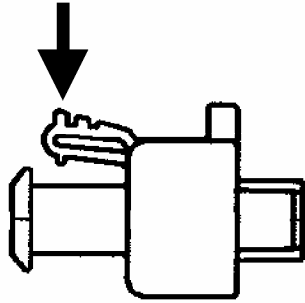




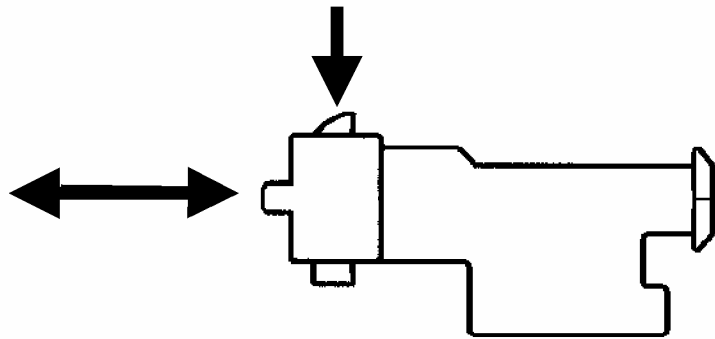
Disconnect the factory fuel pressure sensor connector from the fuel pressure sensor. Plug this male connector into the Striker harness female fuel pressure sensor connector. Plug the Striker harness male fuel pressure sensor connector into the fuel pressure sensor.



CPA TAB



CPA RAMP



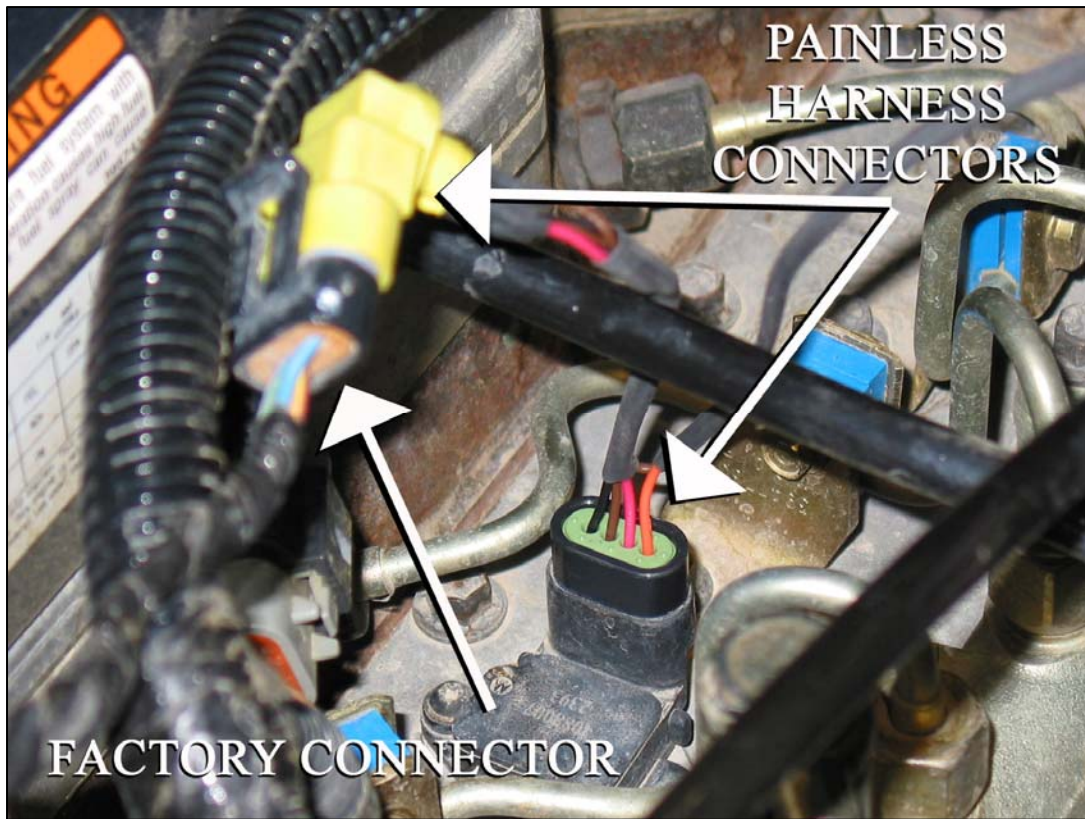
NOTE: Illustration shows correct orientation of connector latch

Boost Pressure Sensor Connection:

Locate the boost pressure sensor. It is located just behind and to the left of the fuel pressure sensor.



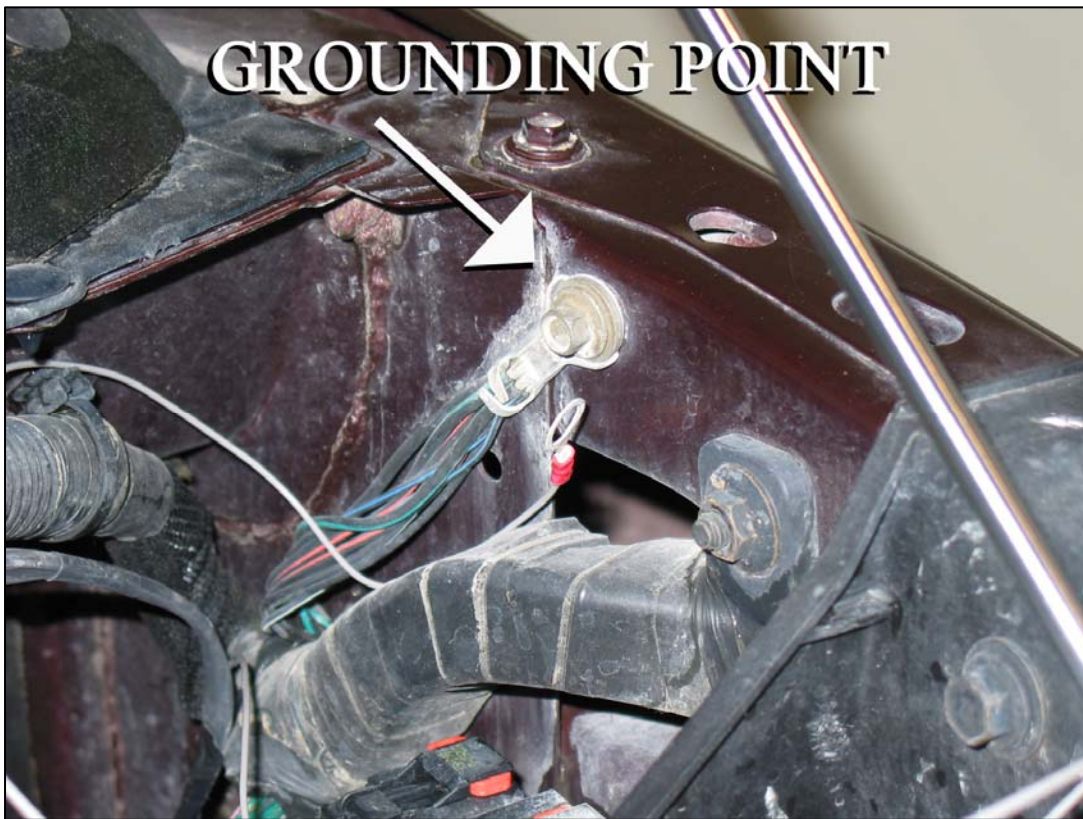
Connect the factory male boost pressure sensor connector to the female boost pressure sensor connector on the Striker harness. Connect the Striker harness male boost pressure sensor connector to the boost pressure sensor.



Route the harness over to the driver's side of the engine compartment.



Attach the ground eyelet to this grounding point. If your harness does not have a ground wire, skip to the next step.



Locate a good place to route the Striker harness through the firewall of the truck and into the cab area. This rubber plug is an ideal place to do so. If the truck has a 6-speed transmission, make sure to not route the wires where the clutch pedal will rub on them.



Route the module connector up to where the module will be mounted. Make sure to not route the wires near the brake, clutch or gas pedals or any movable parts on the steering column. Loosen the screws on the back of the module approximately three turns. Plug in the Striker harness to the module and tighten the screws. Use the supplied Velcro strips and attach the module permanently.

Striker I Module Functions:

Recheck that all connections have been made in the engine compartment and the harness has been plugged into the module. Before initial start up, the operator should understand all functions of this diesel power module.



(PL) Power Level Adjustment:

The default mode for the display when the truck is started is **PL** or power level. While in the power level mode the **UP/DN** buttons are used to move between these power levels. Power levels can be adjusted with the vehicle running, on the fly or with the key on, engine off.

- FE-** Fuel Economy mode
- 0-** Stock Factory setting
- 1-9-** Power levels increasing the engine output with the higher the number
- HO-** High Output mode

(FP) Fuel Pressure Display:

This mode may be selected by clicking the mode button until **FP** is shown on the display. This displays the fuel pressure in the high-pressure common fuel rail and is expressed in (##) x1000psi. While in this mode the idle fuel pressure compensation can be adjusted using the **UP/DN** buttons.

Idle Fuel Pressure Compensation has a range of +9 and -2. This adjusts the idle fuel pressure up or down incrementally to compensate for aftermarket add on parts or to improve on the idle noise of the diesel engine. After the desired idle fuel pressure compensation setting is reached the setting is saved in the module and the display is returned to the actual fuel pressure reading. On most vehicles the default idle pressure will not need to be changed. On a stock vehicle you may experience difficulty starting the engine if the idle pressure has been lowered using this feature.

(PS) Boost Display:

This mode may be selected by clicking the mode button until **PS** is shown on the display. This displays the turbo boost pressure in (##) psi. This mode is just used for a gauge display.

(AS) Anti-Theft Setup:

This mode is selected by holding the mode button down for approximately two seconds until **AS** is displayed and flashing. Use the reference chart below to make your selection for anti-theft. Press and release the mode button to exit the anti-theft setup mode. When anti-theft mode is selected, if the truck is started the Striker module display will remain blank except for flashing dots. To deactivate anti-theft mode simply hold down the mode button for one second until the Striker module display returns to usual. When in anti-theft mode the truck will be difficult to start and if started the truck will be de-fueled so that it is not drivable. If the anti-theft mode is not disengaged and a de-fueling strategy is experienced, push the mode button for one second. This will allow normal operation of the vehicle.

- 0-** Activates Once (One key off and key on cycle)
- 1-** Always Activates
- 2-** Never Activates (default value when shipped)

Initial Startup:

Turn the ignition key to the on position. The display should show **PP** then show **PL** and then show **0**. Any other result is considered undesirable and all connections should be rechecked. Crank and start the vehicle. Allow time to reach operating temperatures before loading the engine excessively. After powering up the module the first time the **PL**, power level, will default to its last known state.

Cold Weather Start-up:

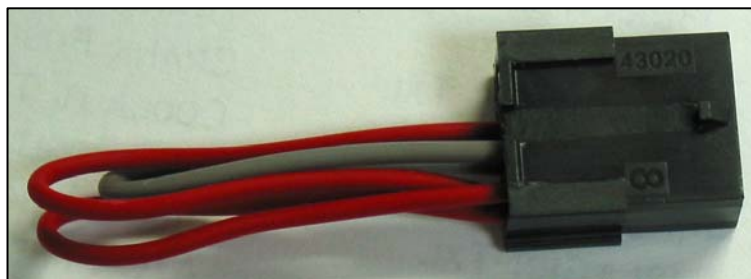
During cold start-up the diesel power module should only be used between power levels 0-3. Other power levels may be used during cold start-up but, do not excessively load the engine until it is up to operating temperature!

Recommendation:

It is recommended to uninstall this harness and module before any work is done on the vehicle by a dealership.

Trouble Shooting:

If the vehicle is not functioning correctly, unplug the Striker power module and plug this pigtail into the Striker harness. If the engine still does not function correctly recheck all of the connections. If the harness is installed correctly the engine will start and function just as stock. Unplug the pigtail and plug the Striker power module back into the Striker harness.



PAINLESS WIRING OFFERS A TECHNICAL ASSISTANCE LINE TO ANSWER ANY QUESTIONS YOU MAY HAVE. THE NUMBER IS (800) 423-9696. PHONES ARE ANSWERED MONDAY THROUGH FRIDAY FROM 8 AM TO 5 PM CENTRAL TIME, NOT INCLUDING HOLIDAYS. PLEASE LEAVE A MESSAGE IF YOU ARE UNABLE TO REACH US AND WE WILL RETURN YOU'RE CALL AS SOON AS POSSIBLE.

Painless Performance Limited Warranty and Return Policy

Chassis harnesses and fuel injection harnesses are covered under a lifetime warranty. All other products manufactured and/or sold by Painless Performance are warranted to the original purchaser to be free from defects in material and workmanship under normal use. Painless Performance will repair or replace defective products without charge during the first 12 months from the purchase date. No products will be considered for warranty without a copy of the purchase receipt showing the sellers name, address, and date of purchase. You must return the product to the dealer you purchased it from to initiate warranty procedures.

NOTES: