

2010-2019 DODGE CUMMINS
2008-2019 FORD POWERSTROKE
UNIVERSAL SWITCH

USER MANUAL

Disclaimer

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Caution

Never work on a hot vehicle. Serious injury in the form of burns can result if the vehicle has been in use. Allow vehicle to cool prior to installation. Always wear eye protection when working on or under any vehicle.

2010-2019 DODGE CUMMINS 2008-2019 FORD POWERSTROKE UNIVERSAL SWITCH

GDP10025



- A. Loomed electrical wires
- B. Dial stickers
- C. Switch control board

- D. Universal wire splicers
- E. Switch knob
- F. Allen wrench

For Ford 2008-2010 Models

Step 1

Route the 3 loomed SOTF switch wires through the firewall to the intake air temp sensor (IAT) as shown. Be sure to route the wires carefully, away from hot surfaces or moving parts. Also be sure to secure wires so they will not rub on any sharp edges.

Step 2

Unplug the sensor and use 2 of the supplied wire splice connectors to splice each wire of the switch harness to the IAT (Red wire not used for 08-19 Ford Power Stroke).

Step 3

Connect the purple wire from the SOTF switch to the purple wire of the IAT sensor, and the black wire from the SOTF switch to the green/white-stripe wire of the IAT sensor. (The connector wires are colored and need to match the sensor wires by color.)



Make sure your switch only has 4 clicks to the right, starting all the way from the left. This should give you your 5 tune positions. If you have too many right clicks, you will need to remove the switch knob and place the set pin washer into the correct groove. (Between the 5th and 6th slot).

For Ford 2011-2019 Models

Step 1

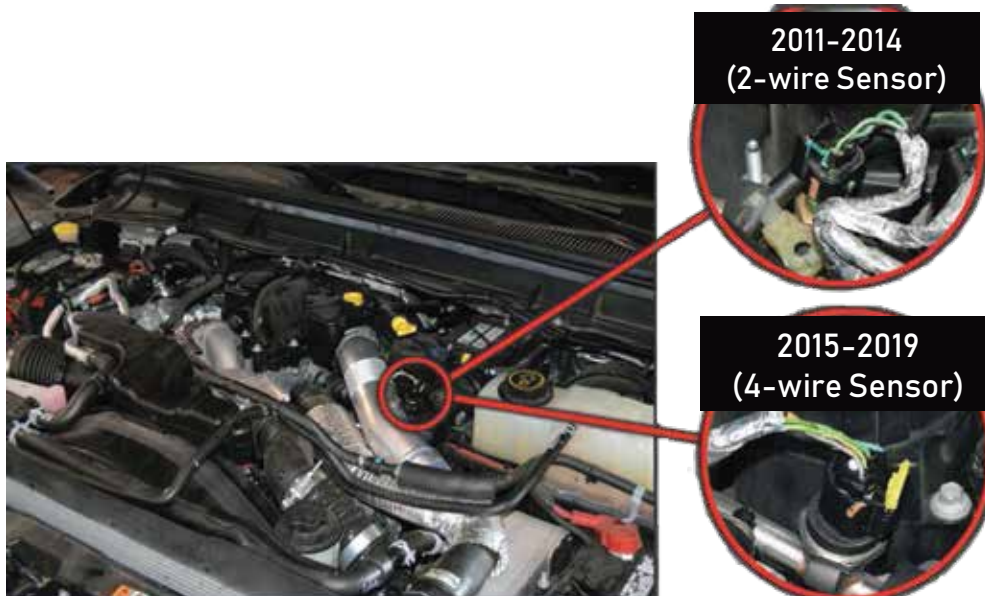
Route the 3 loomed SOTF switch wires through the firewall to the fuel temperature sensor, as shown. Be sure to route the wires carefully, away from hot surfaces or moving parts. Also be sure to secure wires so they will not rub on any sharp edges.

Step 2

Unplug the sensor and use 2 of the supplied wire splice connectors to splice each wire of the switch harness to the fuel temperature sensor. (Red wire not used for 08-19 Ford Power Stroke).

Step 3

Connect the purple wire from the SOTF switch to the green wire on the sensor, and the black wire from the SOTF switch to the green/white-stripe wire of the sensor. (The connector wires are colored and need to match the sensor wires by color.)



Make sure your switch only has 4 clicks to the right, starting all the way from the left. This should give you your 5 tune positions. If you have too many right clicks, you will need to remove the switch knob and place the set pin washer into the correct groove. (Between the 5th and 6th slot).

For Dodge 2010-2019 Models

Step 1

Route the 3 loomed SOTF switch wires through the firewall before splicing wires from the crank case sensor. Be sure to route the wires carefully, away from hot surfaces or moving parts. Secure wires to prevent contact with sharp surfaces to avoid damage.

Step 2

Use the 3 supplied wire splice connectors to splice each wire of the switch harness to the crankcase pressure sensor. (The connector wires are colored and need to match the sensor wires by color.)

Switch wire connections go as follows:

PK/YL wire - Red wire Switch - 5 Volt Supply

BR/OR wire - Purple wire switch - Sensor Ground

DB/GY wire - Black wire switch - Ground

Special Note:

The switch wires will connect to the crankcase pressure sensor wires on the drivers side valve cover. Note that there is a sensor on the passenger side that has the same connector.

DO NOT use the passenger side connector, as your switch will not function.

Make sure your switch only has 4 clicks to the right, starting all the way from the left. This should give you your 5 tune positions. If you have too many right clicks, you will need to remove the switch knob and place the set pin washer into the correct groove. (Between the 5th and 6th slot).



Troubleshooting:

To troubleshoot your switch, you will need a voltmeter.

Step 1

Set your switch to position 1.

Step 2

Turn key to the run position. (engine off or on)

Step 3

Test the Switch on the fly wire (Purple Wire). These numbers may vary within their specific levels. (i.e. 4.0-4.9 in Position 1) The voltage you should be seeing is:

Step 4

If the readings do not match, please check your connections and pins to make sure they are not bent or broken. As well as, there is no debris stopping the pins from being inserted completely.

Step 5

If the issue persists please call our tech support line for more help. 877-223-5018

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|-----------|-----|
| LEVEL 1 | 4.5 |
| LEVEL 2 | 3.5 |
| LEVEL 3 | 2.5 |
| LEVEL 4 | 1.5 |
| LEVEL 5 | 0.5 |
| HIGH IDLE | 5.0 |