

2010-2019 CUMMINS SOTF ROTARY SWITCH

Installation Guide

Read the complete guide before beginning. Keep removed hardware organized, follow all safety precautions, and verify all connections before operating the vehicle.



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 Rotary switch

C. B.

A.

E.

D.

A. Loomed electrical wires D. Switch knob B. Dial stickers E. Allen Wrench C. Switch control board

For Dodge 2010-2019 Models

STEP 1

Route the 3 loomed SOTF switch wires through the firewall before connecting to 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.



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STEP 2

Use the 3 wire plug to connect the switch harness to the crankcase pressure sensor. (The connector wires are colored and need to match the sensor wires by color.) The Black wire goes to the #3 hole of the connector, the purple wire to #2, and the red wire to #1.



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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).

Notice: Proper switch pin position between the 5th and 6th slot



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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

Level 1 4.5 Level 2 3.5 Level 3 2.5 Level 4 1.5 Level 5 0.5 High Idle 5.0

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