

2011-2019 FORD DIGITAL 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.

2011-2019 ford powerstroke digital switch



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A.

C. B.

E.

D.

D. USB Cable B. Ford Fuel Temp Sensor Plug E. Digital Switch Harness C. Flex Lume

Brown(dimming)*Optional*

ANY 12V Hot Wire W/ Ignition On

?

VEHICLE

SWITCH

Blue(high-idle)

Yellow/Green (pin 7) on SEIC Harness

Purple(high-idle)

Green (pin 9) on SEIC Harness

Orange(SOTF)

Green on FUEL TEMP SENSOR

STEP 1

This Digital SOTF switch has the ability to enable manual high-idle on the 6.7L Power- stroke. It is optional however, so if you do not want that function, just skip to step 7 for installing the SOTF Wire.

STEP 2

For the high-idle function, locate the SEIC passthrough harness on the under the dash on the driver side for 2011-2016 Powerstrokes, on the passenger side for 2017-2019, next to the OBD-II port. You are looking for the blunt-end wires.

STEP 3

2011-2016 Powerstroke's: Locate the YELLOW/GREEN wire in the SEIC passthrough harness. Splice the BLUE wire from the switch harness to the YELLOW/GREEN SEIC passthrough harness. 2017-2019 Powerstroke's: Locate the YELLOW/GREEN wire in the SEIC passthrough harness. Splice the BLUE wire from the switch harness to the YELLOW/GREEN SEIC passthrough harness.

STEP 4

2011-2016 Powerstroke's: Locate the GREEN wire in the truck's SEIC pass-through harness. Splice the PURPLE wire from the SOTF switch to the GREEN wire on the truck. 2017-2019 Powerstroke's: Locate the GREEN wire in the truck's SEIC pass-through harness. Splice the PURPLE wire from the SOTF switch to the GREEN wire on the truck.

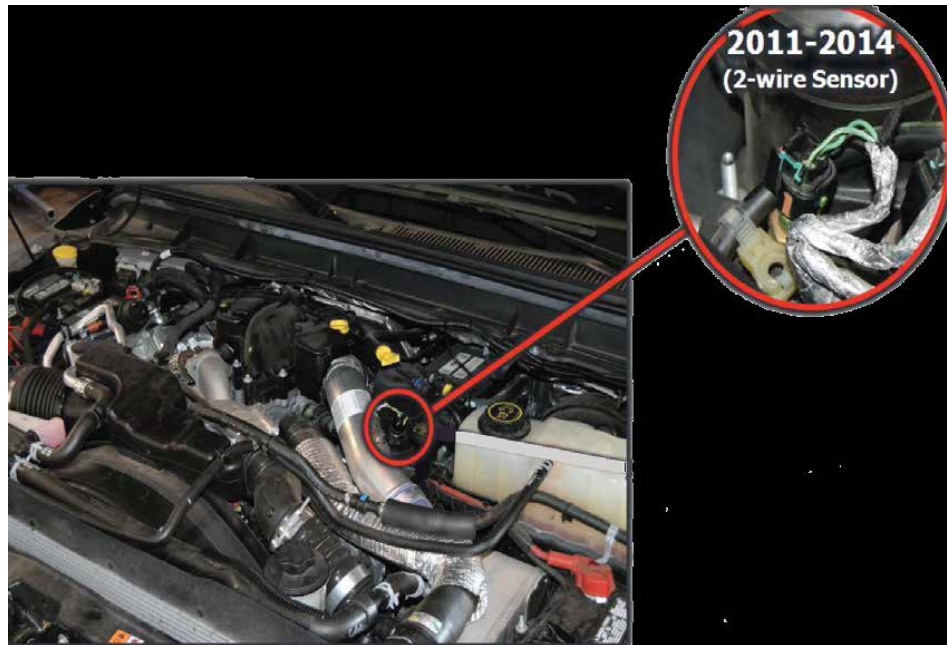
STEP 5

To set the desired high-idle RPM, you must first depress the emergency brake to engage the high idle then start and idle the engine. Be sure it is up to operating temperature and your foot is off the brake pedal.

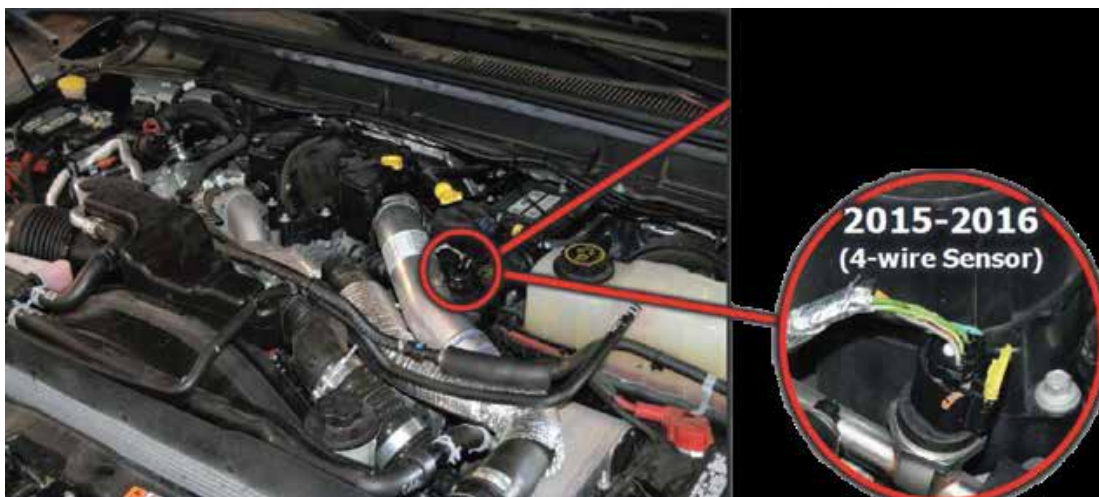
STEP 6

Press the Down Arrow on the Digital Switch until it shows level 1. Press and hold the Down Arrow until an 'H' shows, then release. You will now have five different levels of high-idle. To exit High Idle, repeat step 8, instead of an 'H', a '-' will show when exiting high-idle. Step 7

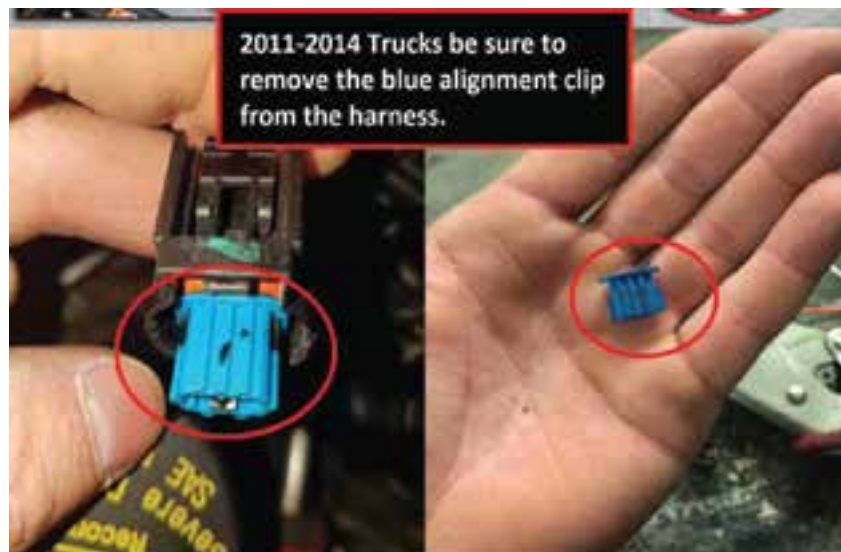
To install the Shift on the Fly(SOTF) for the switch. Route the ORANGE wires from the SOTF switch through the firewall to the fuel temperature sensor as shown in the pictures. Be sure to route the wires carefully, away from hot surfaces or moving parts. Also be sure to secure wires so they will not rub on any sharp edges.



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STEP 8

Insert pins into included plug. Press until you hear them click. Match ORANGE wire to green wire. Then match black wire to green/white wire.

Showing plug for 2011-2014. 2015-2019 will be in the same location



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STEP 9

plug to the factory male side plug. Make sure it fully snaps into place for a sure connection. Double check all wires under your dash and under the hood to make sure they are tied up away from any pedals or hot surfaces.



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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 (Orange 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

