

**2011-2019 FORD POWERSTROKE**  
ROTARY SWITCH

**USER MANUAL**

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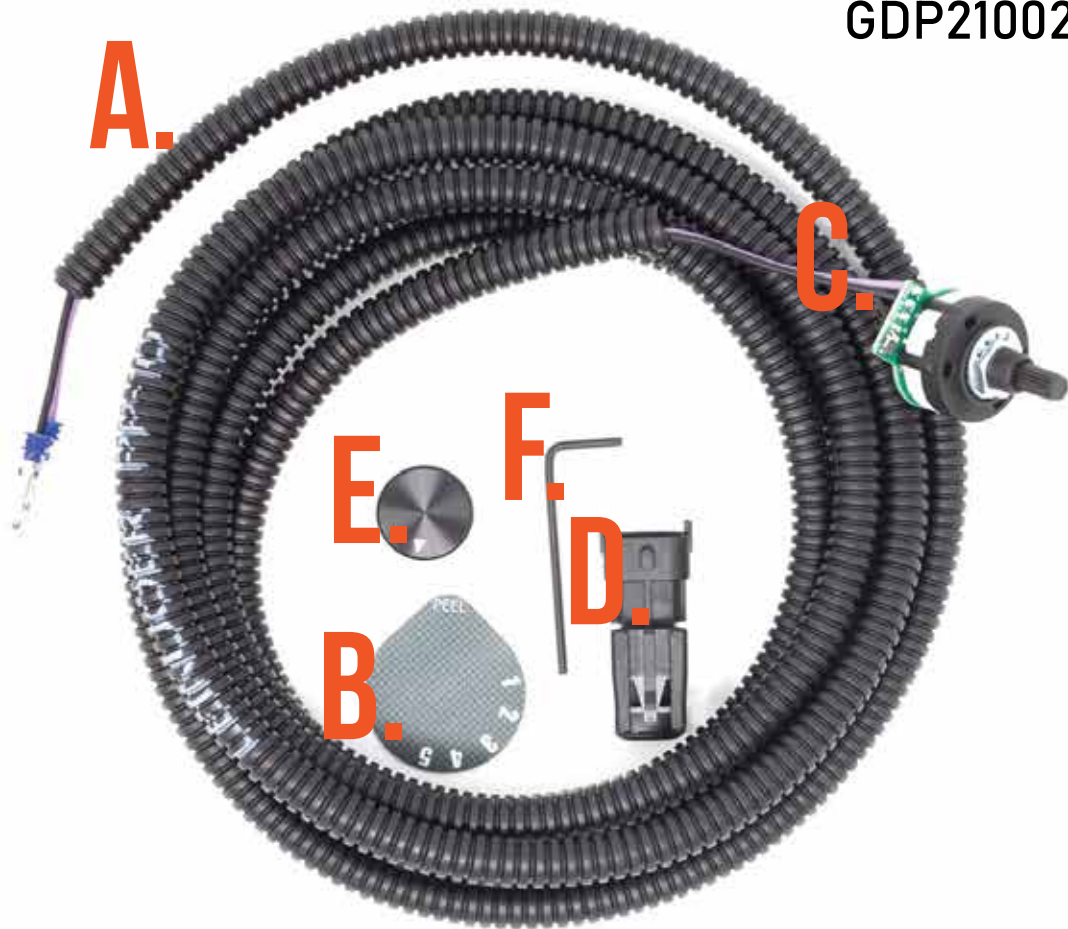
## Caution

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 POWER STROKE

## ROTARY SWITCH

GDP210019  
GDP210021



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

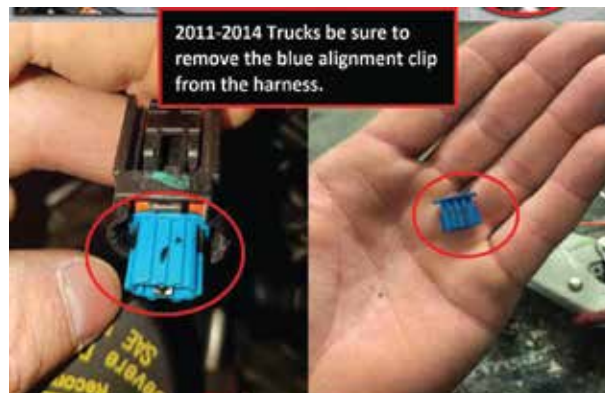
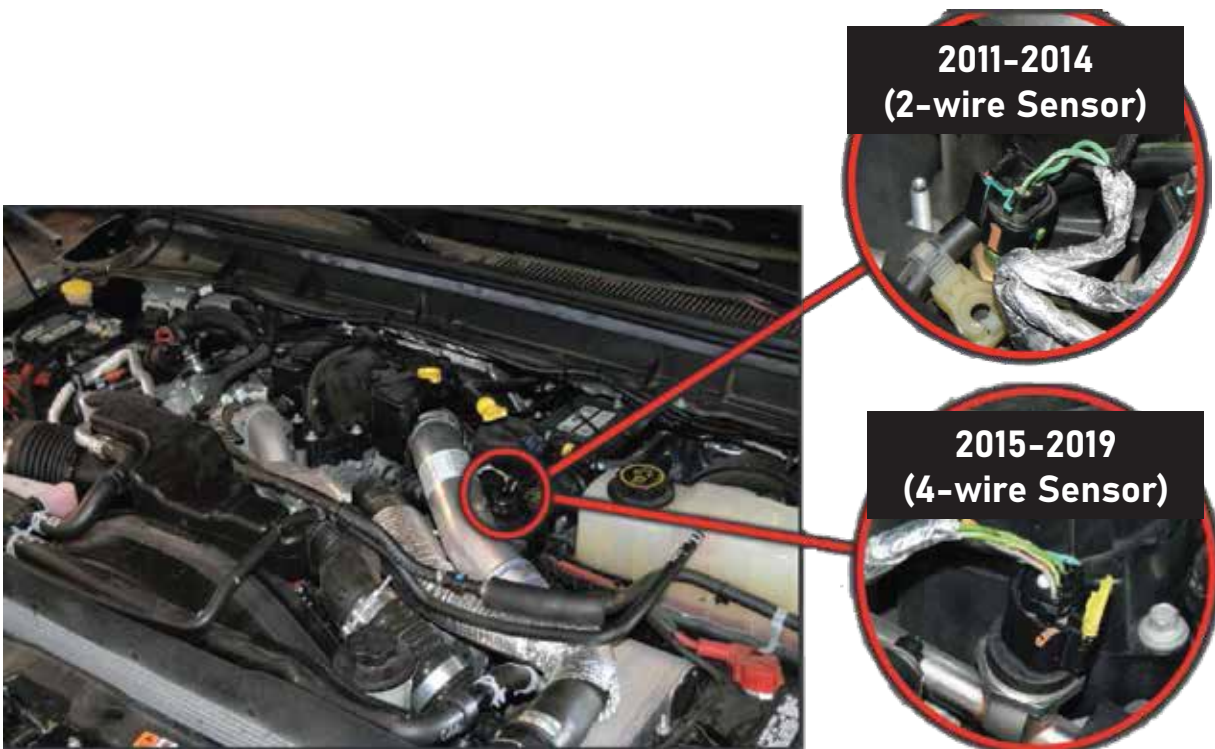
- D. Harness Plug
- E. Switch knob
- F. Allen wrench

## Step 1

Route the purple and black 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.

## Step 2

Unplug the sensor and carefully cut back approximately 1.5" of protective wire sheathing. Be sure to not cut into the actual wires when removing the protective sheathing.



## Step 3

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



## Step 4

Connect the GDP plug to the factory male side plug. Make sure it fully snaps into place for a sure connection.



4

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

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