

**2017-2019 FORD POWERSTROKE HIGH IDLE
ROTARY SWITCH**

USER MANUAL

Disclaimer

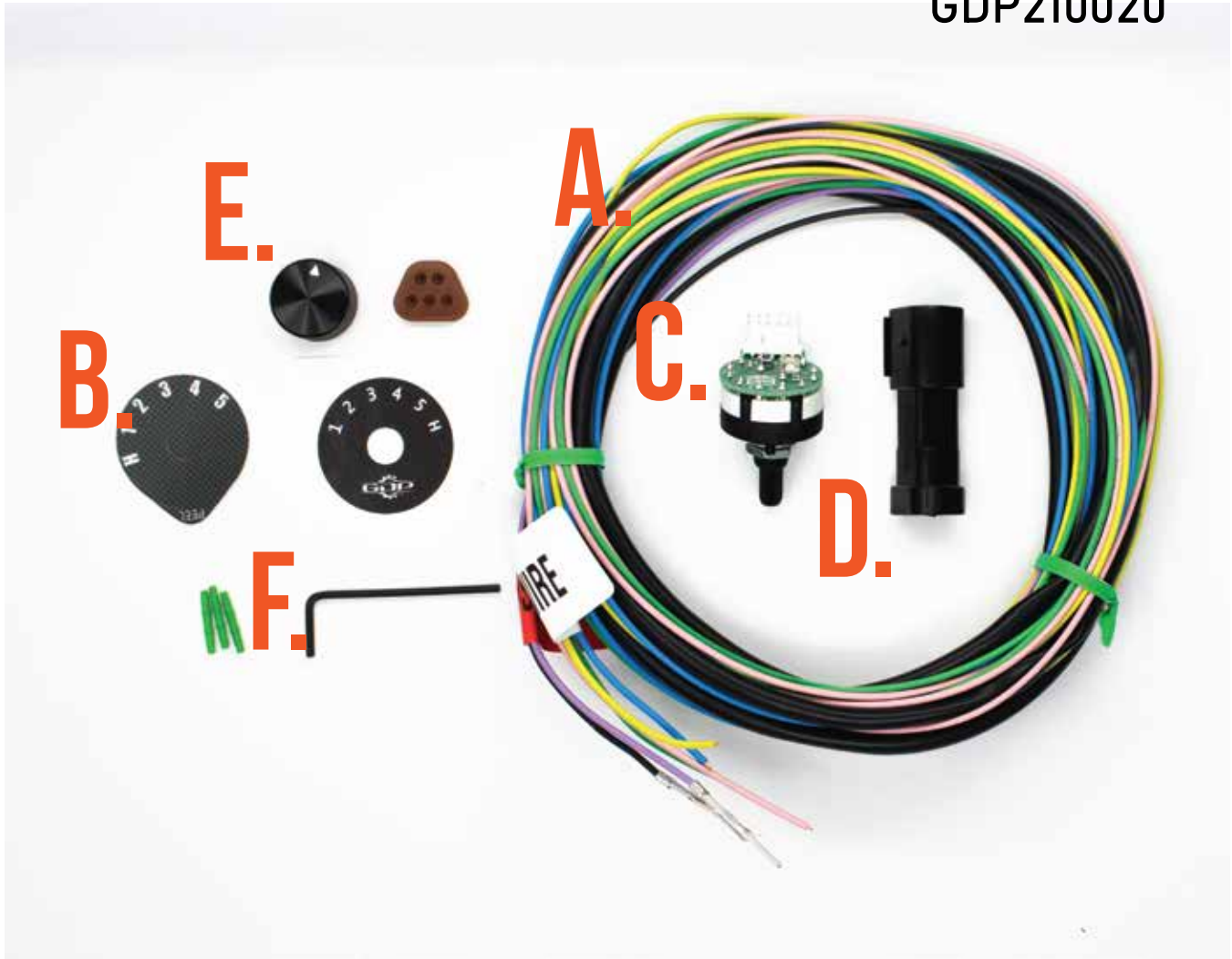
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Caution

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.

2015-2019 FORD POWERSTROKE HIGH IDLE ROTARY SWITCH

GDP210020



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

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



Step 1

This rotary 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 the following steps, and refer straight to the install manual for our 5 position switch.

Step 2

On 15-16 year trucks, please see our 11-16 High Idle manual. For 17-19 year trucks, locate the passenger side kick panel above the fuse panel. You'll be looking for -blunt-cut access wires for SEI, "customer access" signal circuits for CTO,VS_out,PARKTRO-N, & 4 pass-thru wire, they are bundled together at the harness above the passenger kick panel and fuse box.

Step 3

Locate the green/orange wire in the SEIC Pass_through harness. Splice the pink wire from the switch harness to the switch ignition green/orange seic pass-through harness. Be sure to fuse up the pink wire with a 10-amp fuse.

Step 4

Locate the YELLOW/GREEN wire on the truck's SEIC pass-through harness in pin 7. Splice the BLUE wire from the SOTF switch to the YELLOW/GREEN wire in pin 7 on the truck.

Step 5

Locate the GREEN wire on the truck's SEIC passthrough harness. Splice the YELLOW wire from the SOTF switch to the GREEN wire on the truck.

Step 6

Locate the GREEN wire on the SOTF switch. Splice the GREEN wire to the WHITE/BROWN wire on the truck.

Step 7

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 8

Turn the SOTF switch to the “high-idle” position. The engine should idle up.

Step 9

Using a small screwdriver, adjust the potentiometer screw on the back of the SOTF switch until the engine is at the desired high-idle RPM. The high-idle is adjustable from 900-2700rpm. Once you set the desired high-idle RPM, you can turn the SOTF switch back to position 1-5, and the engine should return to idle.

Step 10

Finish mounting the SOTF switch and secure all wires so they do not interfere or tangle with the brake/accelerator pedals and steering column.

Notice:

Proper switch pin position between the 6th and 7th slot.

Notice:

Refer to our 5 position switch manual for help with the 2 SOTF wires.



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