

PRODUCT INSTALLATION INSTRUCTIONS

6. 4-SOTF-UNIVERSAL-REV-1.0

STEP 1: CHECK KIT CONTENTS

STEP 2: READ INSTRUCTIONS

STEP 3: CONFIRM TOOLS RECOMMENDED FOR INSTALLATION

RECOMMENDED TOOLS

- Flashlight
- Flathead screwdriver
- Small Pick
- Cutoff pliers
- Flush cut pliers
- Wire insertion tool
- Basic socket and wrench set
- Basic drill bit set
- Zap straps

CHECK KIT CONTENTS

Before starting, please check the contents of your kit:

QUANTITY	PART NUMBER	DESCRIPTION
1	FTFordU	SWITCH
1		SWITCH KNOB WITH ALLAN KEY
1		WIRE LOOM
1		DRILL TEMPLATE AND LEVEL STICKER
2		POSI TAP

STEP 1:

Use a wire insertion tool or equivalent to route the switch wires from the inside of the cab through one of the grommets in the firewall and into the engine bay. Once the wires are in the engine bay, route them over to the IAT2 or FT sensor depending on what sensor your tuner is using to control the SOTF. Be careful not to damage any other wiring while routeing the switch wires through the firewall. Note photos are from a different year truck and are for reference.

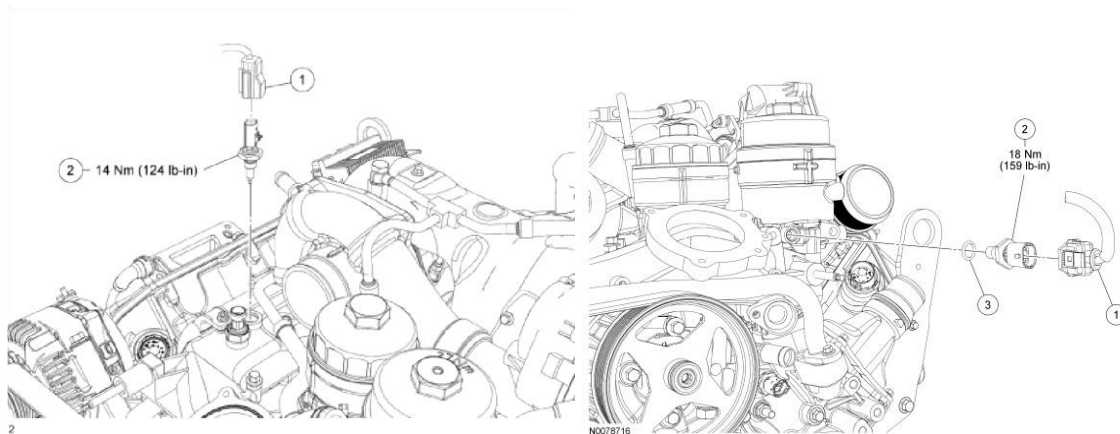


STEP 2:

Locate the intake air temperature sensor 2 on the passenger side of the intake near the front. Note there are 2 sensors, the front sensor is the map and the rear one is the ITA2. Unplug the sensor.

OR

Locate the fuel temperature sensor on the left side of the engine near the fuel filter and unplug it.



STEP 3:

Install the switch wires to the wires on the IAT2 factory harness with supplied posi taps (do not plug the IAT2 sensor back in). Polarity does not matter. Install wire loom over the wires and secure away from any heat or moving parts to prevent damage.

OR

Install the switch wires to the FT harness with supplied posi taps (do not plug FT sensor back in). Polarity does not matter. Install wire loom over the wires and secure away from any heat or moving parts to prevent damage.

STEP 4:

Moving to the inside of the vehicle, mount the switch on the Powerstroke SOTF mounting bracket by the OBD2 connector (FTBracketFord (99-16) if purchased with your switch. If you did not purchase a mounting bracket find a suitable location to mount the switch making sure there is enough room behind the panel for the switch to fit.

Once you have found the location for the switch you can use the optional drill template to drill the main 3/8 hole and the locating 1/8 hole. If you do not want to drill the second hole you can cut off the anti rotation tab on the switch. Install the optional switch position sticker over the hole.

You can now install the switch by removing the nut and lock washer with a 1/2 wrench. We would recommend cycling the switch back and forth to confirm it is set for 5 power levels (you should hear/feel 4 clicks when cycling the switch back and forth). If it is set improperly remove the tabbed washer, cycle the switch all the way left, reinstall the tabbed washer in the #5 hole and confirm operation. Now install the switch in the hole, reinstall the lock washer/nut being careful not to over tighten as the threads are plastic and strip easily. The knob can now be installed, locking it in place with the set screw and supplied allen key. Reassemble any of the panels removed for switch installation. Note photos are from a different year truck and are for reference.



STEP 5:

Install wiring loom on the remaining wires and tie them up under the dash using zap straps. Complete a final check over on switch installation.