PRODUCT
INSTALLATION INSTRUCTIONS

LLY-SOTF-REV-1.0 (mid 2004-2006)

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:

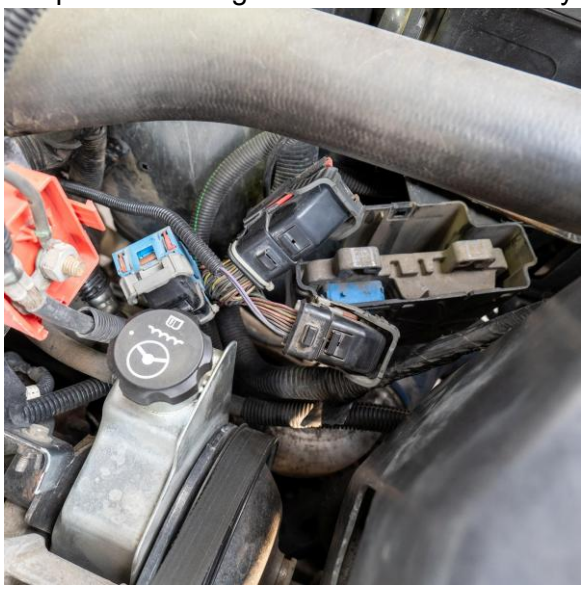
QUANTITY	PART NUMBER	DESCRIPTION
1	FTDSP5LLY	SWITCH
1		SWITCH KNOB WITH ALLAN KEY
1		WIRE LOOM
1		DRILL TEMPLATE AND LEVEL STICKER

STEP 1:

Open the hood of the truck. Disconnect the negative battery cables from both batteries.

STEP 2:

Locate the ECM on the drivers side between the power steering reservoir and the battery.



STEP 3:

Looking down on the ECM from the top side, remove all three ECM plugs by depressing the locking tab and unlatching the connectors. Adjust the connectors into a position that will give you the best access to install the switch wires.

STEP 4:

With the ECM connectors now removed, 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 gray ECM connector. Be careful not to damage any other wiring while routeing the switch wires through the firewall. The photo is from a different year truck and is for reference.

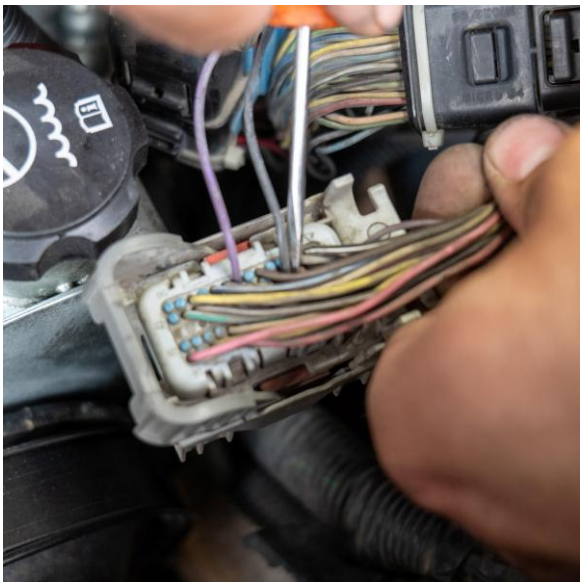
STEP 5:

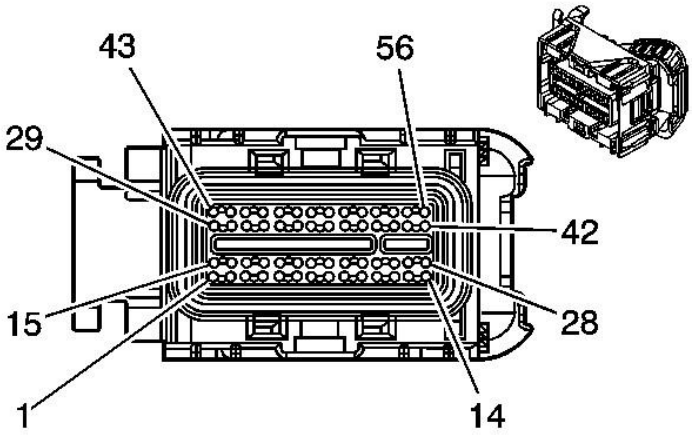
Locate the gray ECM plug (bottom connector) and remove the rear cover by unclipping the locking tabs on the front side of the connector. Then use a pick or small flathead screwdriver to remove the green pin locking tab located on the end of the connector.

STEP 6:

With the green pin locking tab removed locate pin holes #32 & #50 The holes will have blue plastic plugs in the unused holes that have to be removed so the switch pins can be installed. Install the wires from the switch into pin holes #32 & #50 making sure they are fully

seated. Confirm they are fully seated by pulling on them gently and checking the ECM side of the connector. The polarity does not matter and either pin can go in either hole. Reassemble the connector.





STEP 7:

Install wire loom over the wires from the switch, reroute the ECM connectors and reinstall. Secure the switch wiring using zap straps being careful to keep it away from heat or moving components that may damage the wiring.

STEP 8:

Moving to the inside of the vehicle, mount the switch on the Duramax SOTF mounting bracket by the OBD2 connector (FTBracketDuramax) 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. We find the best place to mount the switch is just to the left of the steering wheel; however it may take minor modifications to the back side of the panel to accommodate the switch.

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.

STEP 9:

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.