

WILDHAMMER

Wildhammer Motorsports
847-469-8306



CAMARO LT1/LT4 FLEX FUEL E85 KIT

Part Number: WH03

Installation Instructions – Professional Installation is Required

Kit Contents

- (X1) Flex Fuel Sensor
- (X1) 3/8th Fuel Line Removal Tool
- (X1) Fuel Line Connector (Pre-Installed on Sensor)
- (X1) Harness

Tools Needed

- 10mm Socket
- Long Needle Nose Pliers
- Flathead Screwdriver
- Torque Ratchet with Extension
- 5/8th Open End Wrench

Step 1:

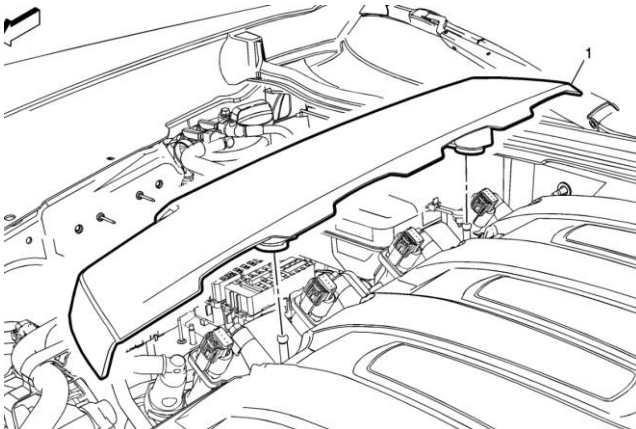
Disconnect Battery

Keep all doors, trunk, and hood open during installation.

Step 2:

Remove Valve Cover Trim

Locate and remove the valve cover and trim covers (Passenger Side).
Simply Pull up and away on the plastic trim cover to remove.



Step 3:

Locate and Disconnect the Cross-Over Fuel line on the Passenger Side Only

Using long needle nose pliers, remove the fuel line retainer. Once removed, use the provided 3/8th Fuel Line Tool (Blue Tool) within the kit.

Note: this is a pressurized line and once the connection to the fuel line has been fully disengaged, it's normal to see a small amount of fuel come out.



Step 4:

Install the 3/8th Black Threaded Adapter

Remove the threaded adapter from the black connector, attached to the end of the flex fuel sensor. Slide the adapter onto the lip of the exposed fuel line.

Push the Flex Fuel Sensor onto the fuel line and thread the adapter back onto the 3/8th connection. Tighten using a 5/8th open ended wrench.

When properly installed, it will look like the image below.



Step 5:

Plug in the Wire Harness

Plug the brown connector into the Flex Fuel Sensor and route the rest of the harness as cleanly as possible, alongside the engine injector harness.



Locate Evap Purge Solenoid, disconnect power connector.

Identify the corresponding connector found on the provided E85 harness, plug that new connector into the Purge Solenoid and the OEM connector that removed into the corresponding connection on the E85 harness. Once installed you will see that the power is being drawn as a daisy chain.

Step 6:

Install the Ground

Locate the upper right hand valve cover bolt, on the passenger side valve cover, and remove bolt. Install the ground wire between the bolt and valve cover, reinstall bolt. **Retorque Bolt 89inch pounds.**

Step 7:

Plug in and Install Pin into ECM Connector

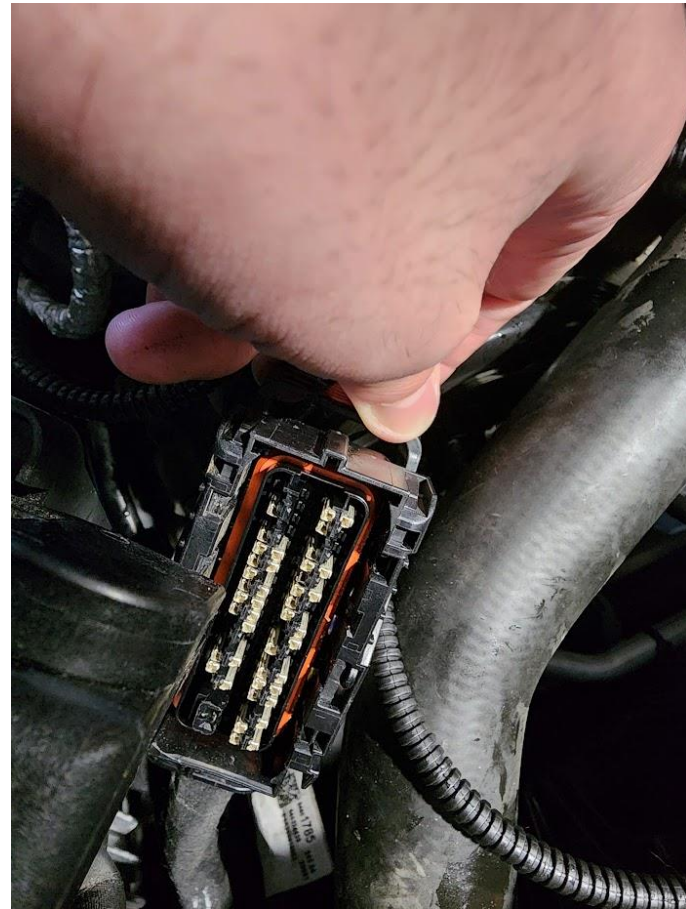
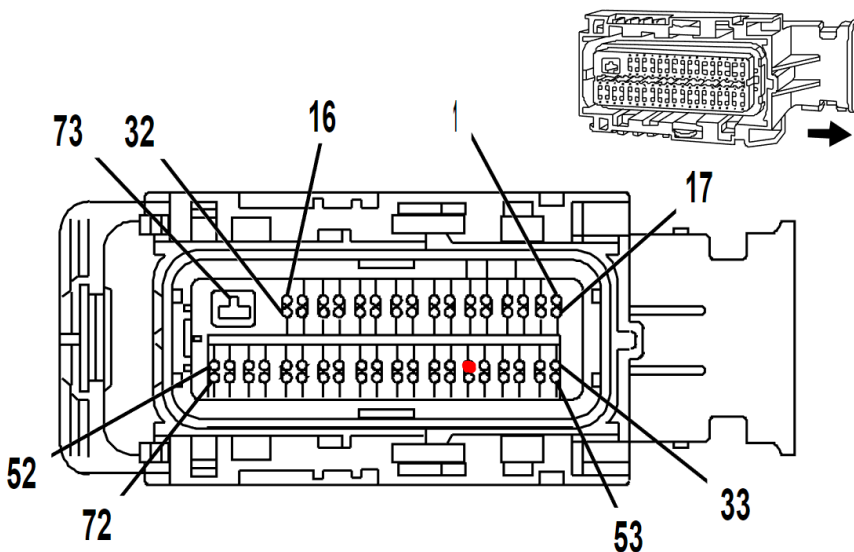
Route the remaining harness towards the lowest most ECM connector. This wire was intentionally made longer to work with LT1 & LT4 models, due to the supercharger on the LT4 models. LT1 models **may** need to coil some of the wire if needed.

Locate the lowest most ECM connector, disconnect the red safety clip on the top, and pull up on the lever clamp. Once disengaged, you will need to wiggle it to disconnect it from the ECM. Route the ECM connector up towards you so you have plenty of workspace to access the pins.

Remove the rear shield off the ECM connector by decompressing the clamps on the sides of the shield.

Remove the blue pin shield with a flat head screwdriver by prying around the shield.

Find and locate pin # 38. (Red Dot in Diagram Below)



Install the pin into location # 38.

Note: Some Camaro Models, depending on the year, may have a dummy plug already contained in Pin #38 location. You must remove this before attempting install of pin.

The pin can only go in one way, you will need to see the orientation of the other pins in place to match the same direction. When properly installed, you will hear a *click* when pushing the pin into place.

Step 8:

Reinstall All Removed Components & Reconnect Battery

We recommend, once the valve cover trim is re-installed, to tuck the Flex Fuel Sensor harness towards the backside of the motor. There is a gap between the trim and the valve cover that hides the harness for a cleaner look.



Step 9:

Start Camaro in Accessory Mode

Do not start the vehicle, however, put it in accessory mode by simply holding down the power button but not decompressing the brake/clutch. Once in accessory mode, the car will automatically recognize the addition of the Flex Fuel Sensor and prime the fuel pumps. Wait 10 seconds and then you can fully start your Camaro.

*****Key Notes*****

You may install this kit ahead of a tune and still have the car run properly, however, you cannot run E85 fuel until you have a tune done.

E85 is a super corrosive fuel and is not recommended to be in a car that sits for long periods of time (3-4+ weeks at a time). We highly recommend that you fully flush E85 out of the cars system by running at least 1-2 tanks worth of 90/93 octane fuel before putting a car into storage. This will prevent fuel gunk up within injectors and fuel lines.

Thank you for purchasing the Wildhammer Edition E85 Flex Fuel Kit for your 6th Generation Camaro. If you have any questions or concerns, please feel free to contact us at 847-469-8306.