

Camaro 2.0T Flex Fuel Sensor Installation

Components required (E85 conversion kit can be purchased from Vermont Tuning):



Ethanol sensor

Ethanol sensor harness/pigtail

Female molex mx64 pin

12" flex fuel hose

GM style fuel quick connectors

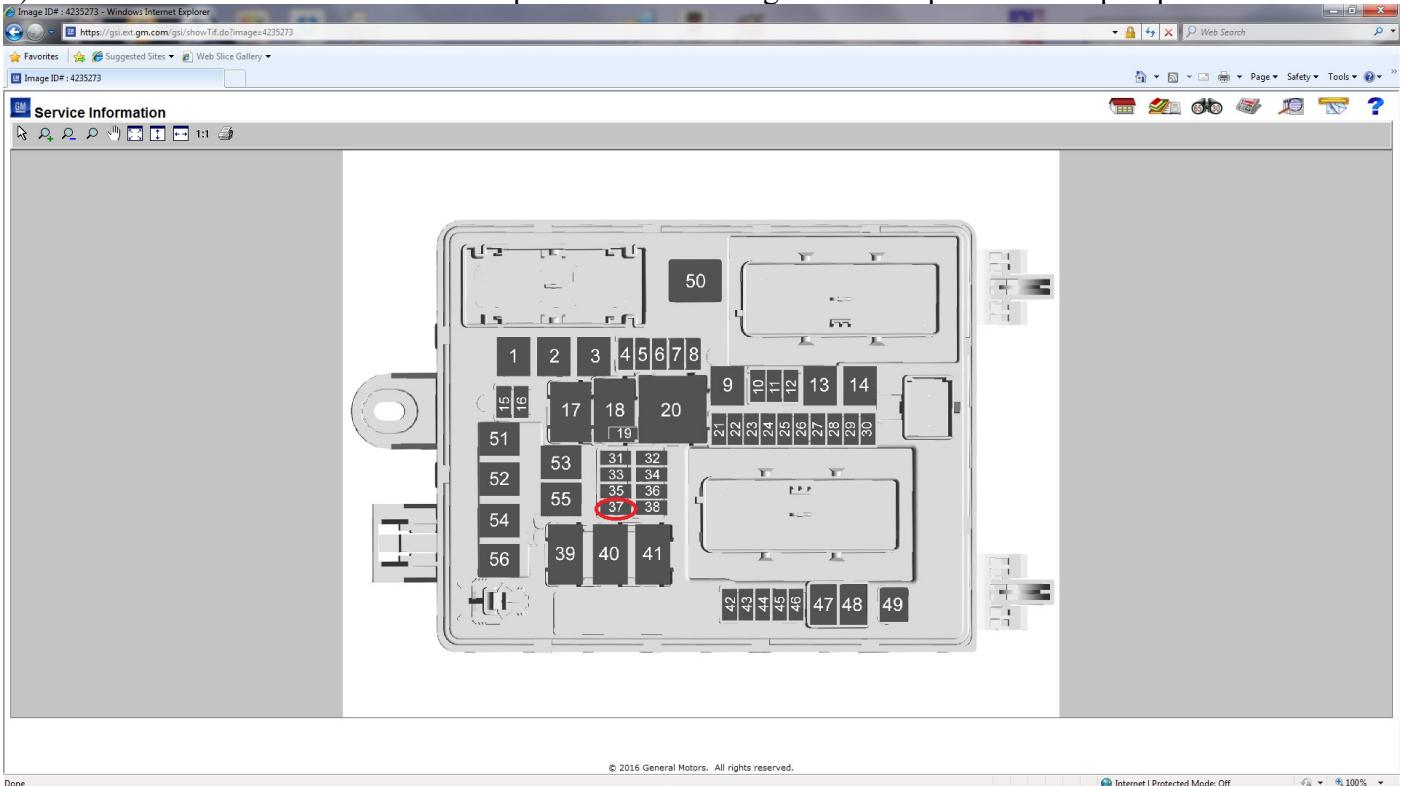
ATR MICRO2 Fuse tap (not supplied)

Tools (not supplied): Crimpers and electrical tools (soldering iron/gun, heat shrink tubing, 20 or 22 gauge wire).

- 1) Remove the torx screw that secures the vacuum line to the intake manifold and install the flex fuel sensor as shown below:



2) Pull Fuse #37 from the rear fuse compartment to de-energize the low pressure fuel pump.

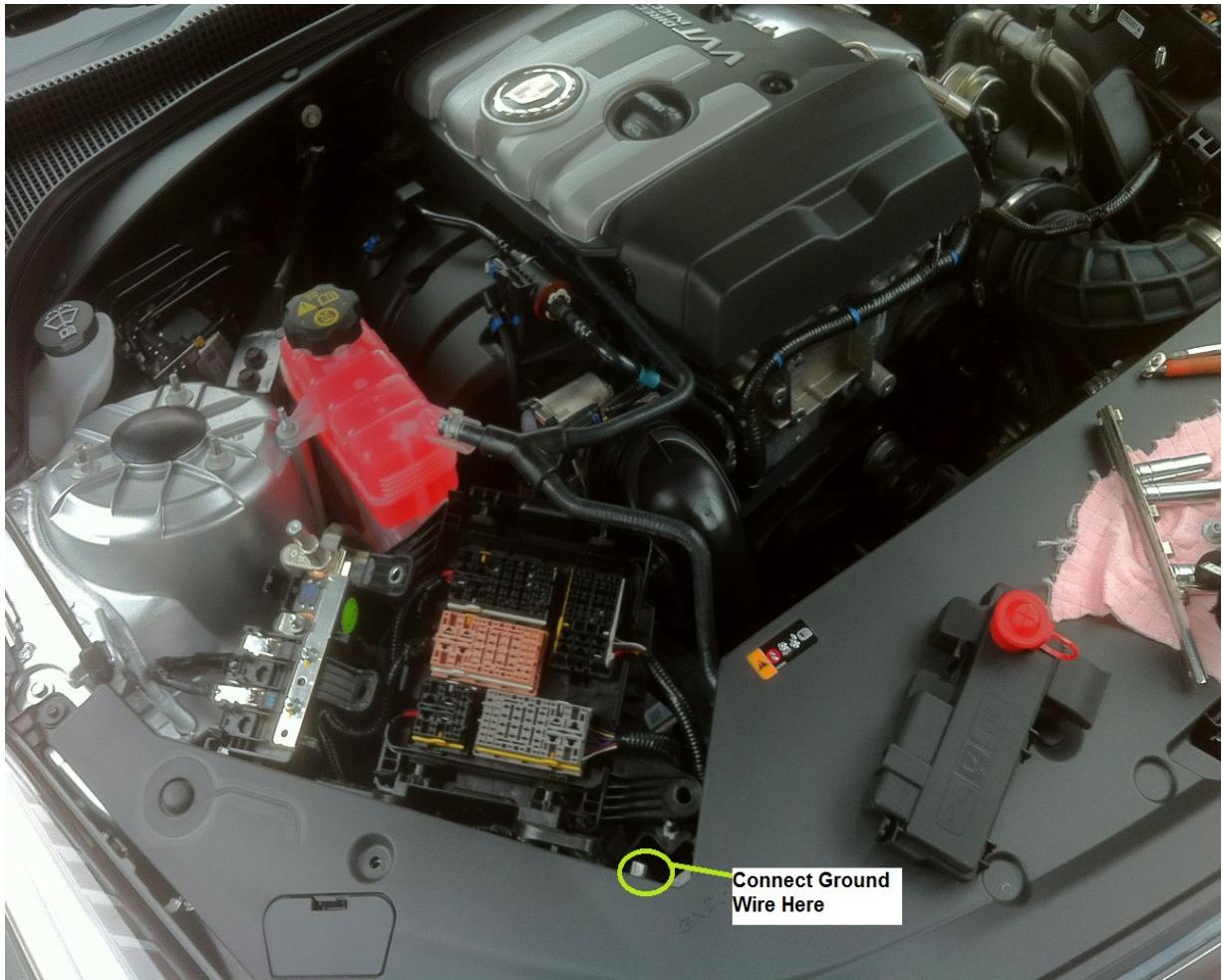


Start the engine and let it run for ~30 seconds or until it stalls to relieve the fuel pressure between the low pressure pump and the high pressure pump.

Using a fuel disconnect tool, remove the fuel line from the fuel rail and connect to the flex fuel sensor as shown using a short (~12") section of E85 rated fuel hose and two gm style fuel quick connections.

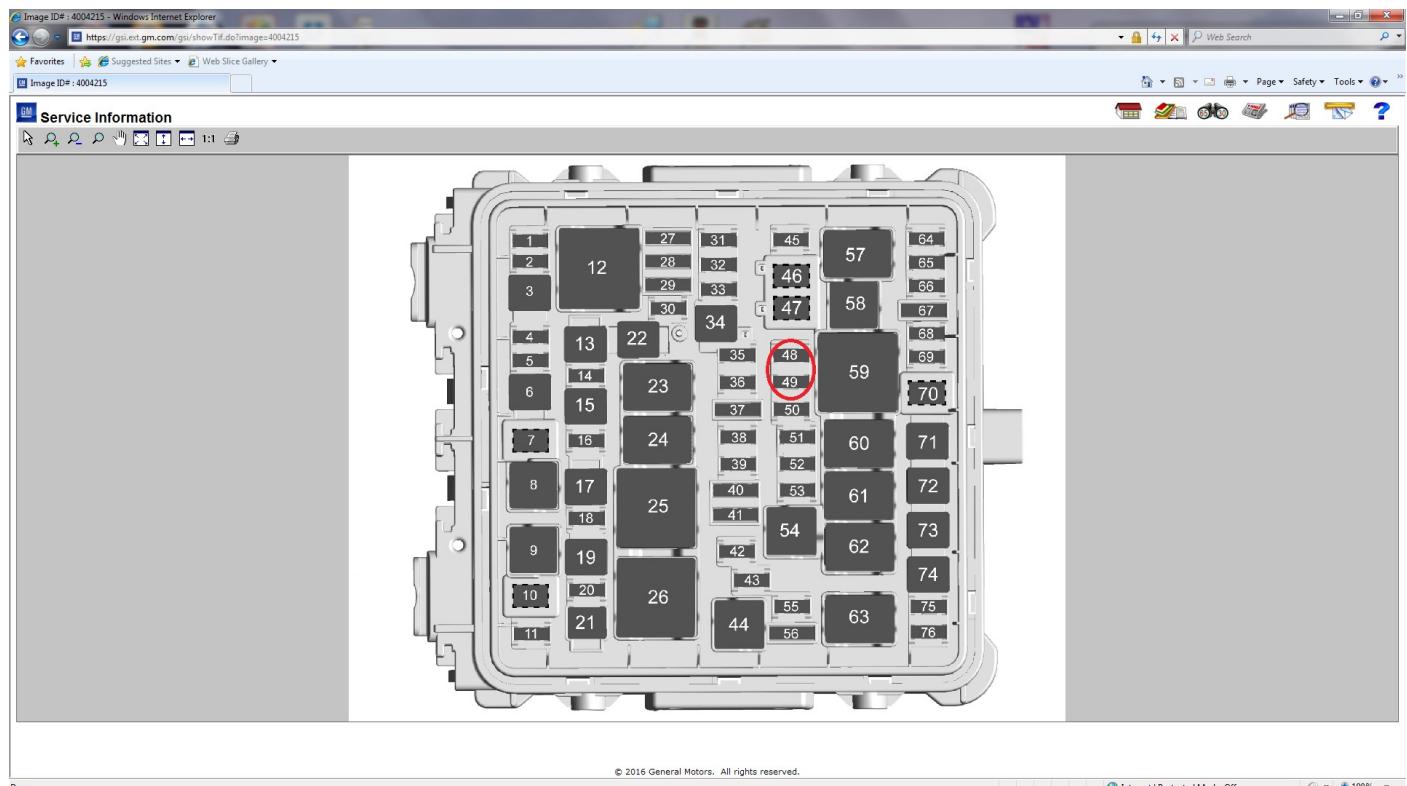


The signal wire from the flex fuel sensor will be connected to ECM harness X3 (Grey) pin #70. The +12V power can be pulled from any switched relay – I suggest taping fuse #48 (Instrument Panel Body Ignition) or #49 (Fuel System Control Module / Ignition) in the engine bay electrical center and connecting the ground to the post near the electrical center:



You can remove the engine electrical center as shown above to allow easier access to the ECM harness, but it is not necessary.

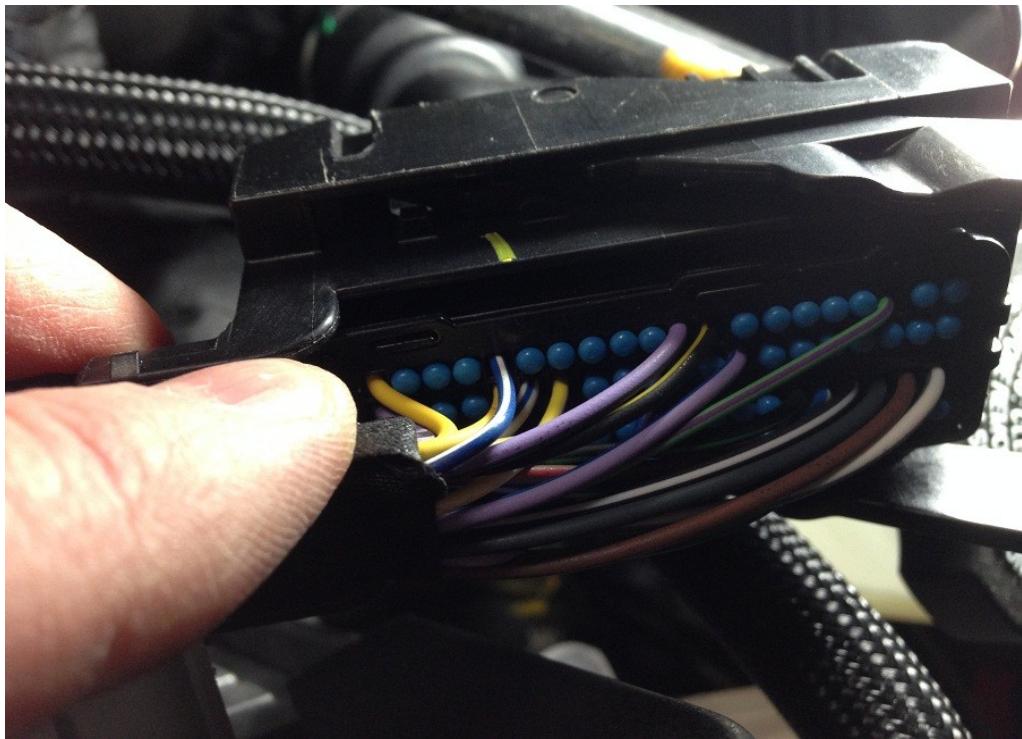
Fuse 48 Location for power tap



The X3 harness location is circled in the image below:



You will need to open the haness to insert the new pin (molex mx64 femal) into position #70 as shown:



Once the connectoris open you can remove the blue plug at position #70 and insert the new wired pin:

