



Installation Instructions

ZZP Cruze E85 Flex Fuel Conversion Kit
ZZ-CRZ-E85FFC



Estimated Installation Time: 30 Minutes

Installation Difficulty: 2/5

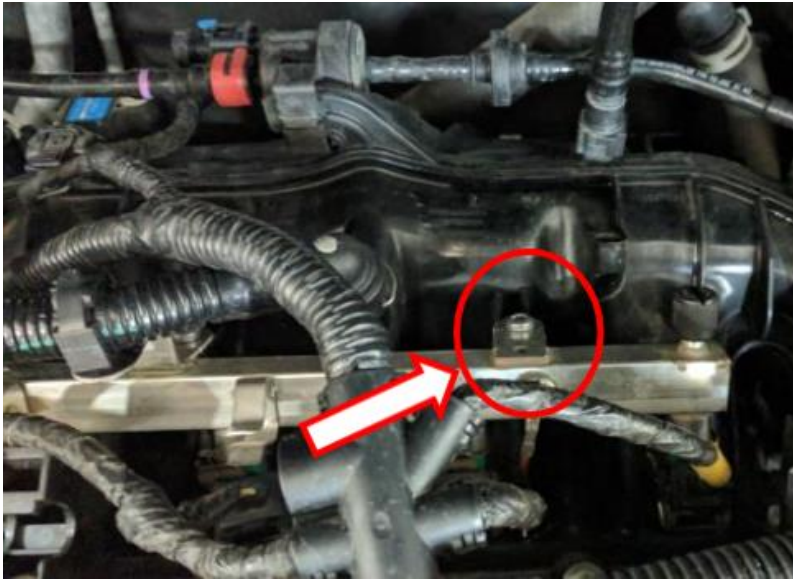
Some procedures will not be described in full detail. If you run into any installation issues or have trouble comprehending any of the procedures, please contact customerservice@zzperformance.com

Kit Contents:

- 1 – E85 Flex Fuel Sensor
- 1 – Sensor Bracket
- 1 – Bracket Spacer
- 1 – Fuel Line
- 1 – Wiring Harness
- 1 – M6 x 55mm Socket Cap Screws
- 3 – M6 x 20mm Socket Cap Screw

Tools Needed:

- Ratchet
- T27 Socket
- 5mm Allen/Socket Wrench
- 3/8" Fuel Line Tool
- Flat Head Screwdriver
- Pick Tool(s)
- Needle Nose Pliers
- 10mm Socket
- Paper Clip



STEP ONE:

- Disconnect negative battery terminal.
- Remove fuel rail bolt on driver's side of fuel rail using a T27 socket

STEP TWO: Attach flex fuel sensor and bracket

- Use the 55mm bolt to attach the bracket on top of the spacer.
- Use 2 20mm bolts, washers and bracket strap to attach sensor to bracket as shown.



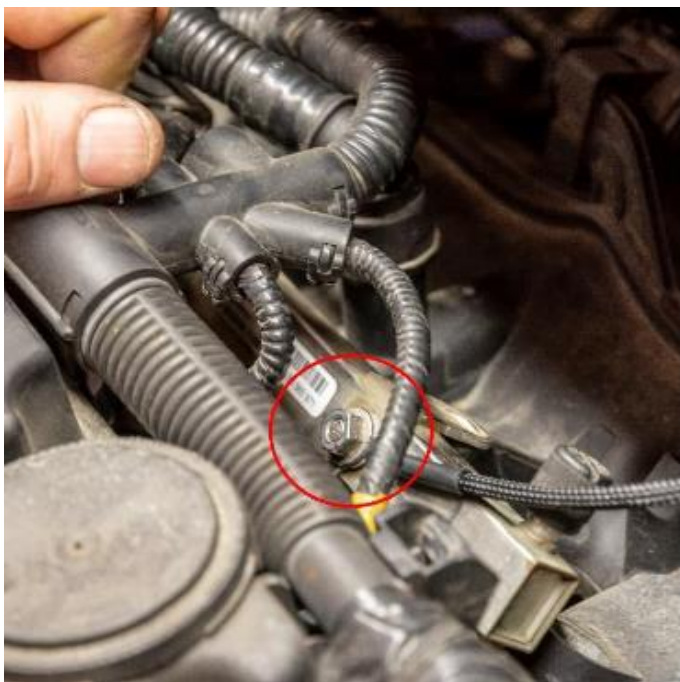
STEP THREE:

Disconnect fuel line from passenger side of fuel rail using fuel line tool.

STEP FOUR: Connect fuel lines to E85 sensor

Original fuel line goes to sensor **IN** on passenger side, provided ZZP fuel line runs from sensor **OUT** back to fuel rail.

Note: The sensor in this photo is the old version. The photo shown in Step 2 is the correct sensor and it should mount like shown, with the 2 bolts closest to the front of the vehicle.

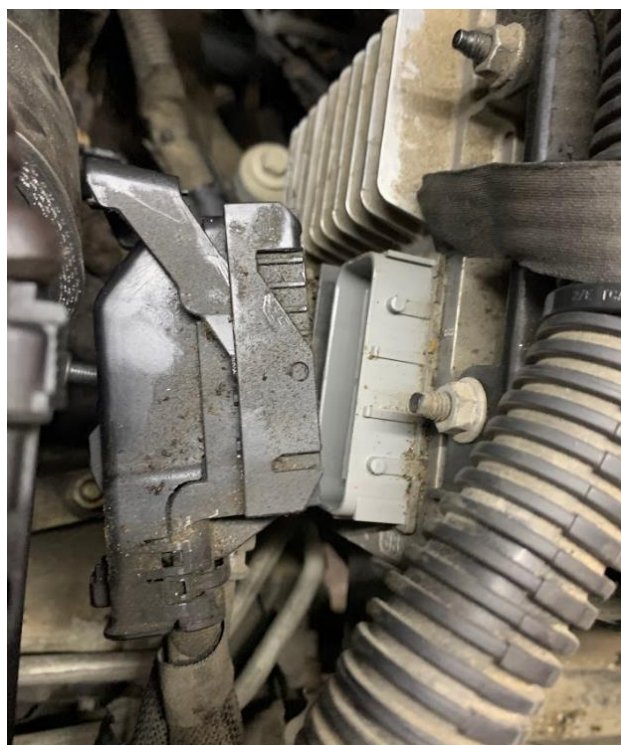


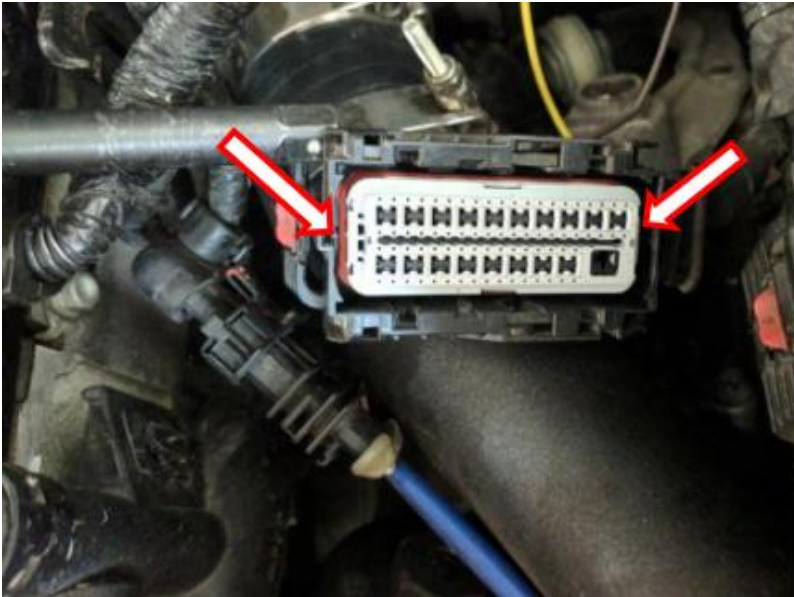
STEP FIVE:

Connect wire harness ring terminal to ground stud on fuel rail as shown.

STEP SIX:

- Remove top-most harness connection from ECU. Move small tabs upwards, then press lock release in the center of the connector.
- Move lever forward and disconnect the harness.
- Remove outer wire cover. There are two clips that hold it to the body of the harness connection.





STEP SEVEN:

Gently pry terminal cover off with small flathead screwdriver.

STEP EIGHT: Pin ECU for ethanol sensor (pink wire)

- You will be using pin 34 on the J3 connector for the ethanol sensor.
- Depending on your year you will either have a grey plug you will have to pull out with needle nose pliers, or a black plug that you will have to push through the connector with a paper clip.
- With the cover removed pin 34 is on the third row, second from the left as pictured.
- Make sure Pin is seated fully all the way through connector. Check connector side to see pin is seated. Pull on wire to lock in place.

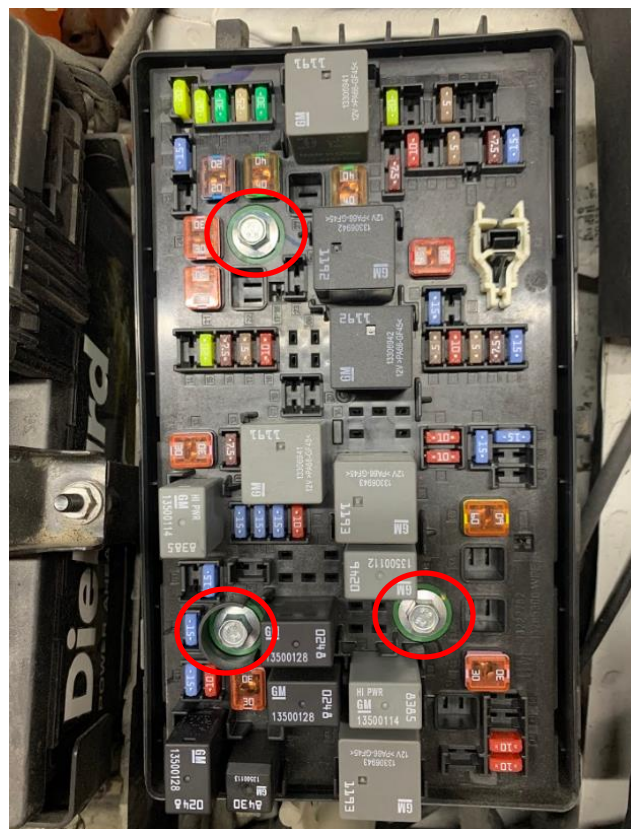


STEP NINE:

- Snap terminal cover back into place
- Place outer wire cover back onto J3 connector and clip into place.
- Reconnect and lock connector back onto PCM.

STEP TEN: Remove fuse box top

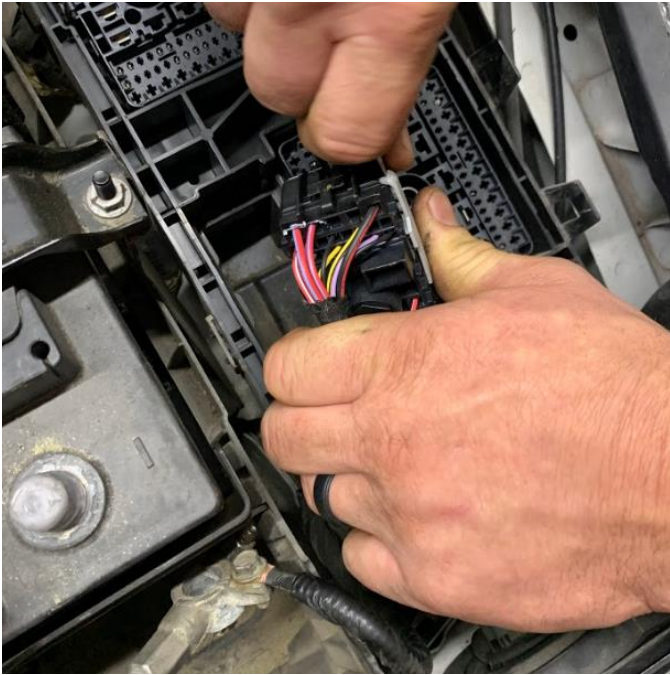
- Use a 10mm to remove 3 connections holding the fuse box top down.
- You will also need to remove the top connection under the battery cover (shown below).
- There are two plastic retaining clips on the side of the top, use a flat head to pry away from top and gently lift top off.
- Take care when removing and reinstalling; it can be easy to bend pins.



STEP ELEVEN: Wire in power to fuse panel

- You will be using the bottom left fuse block connector like shown.
- Use a small flat head or pick to unlock the connector from the tray.
- You will want to take this connector out of its location like shown in the photo below.



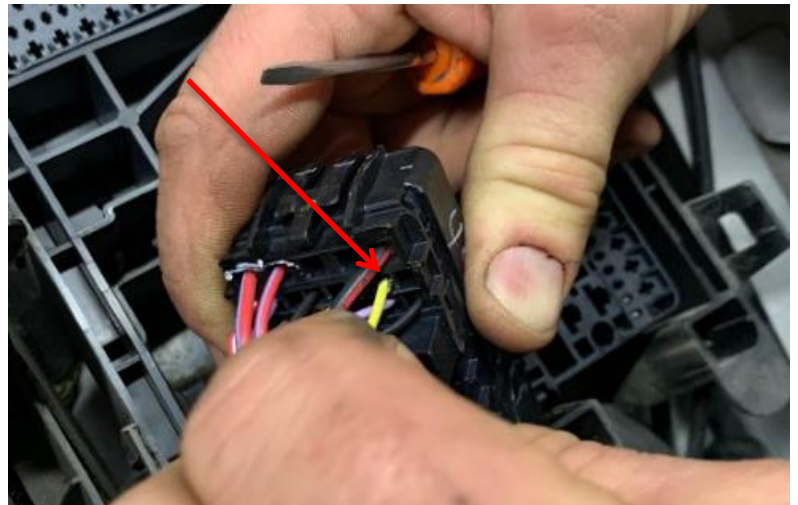


STEP THIRTEEN:

- Remove the grey slide clip
- The location of the yellow wire will be installed above the light purple wire (shown below).

STEP FOURTEEN:

- Slide power wire through connector towards the "top".
- Verify power wire is seated correctly like all other wires on connector.
- Flip connector back over reinstall grey clip, and reseat into tray. Reinstall fuse box top and bolt back down.
- Reconnect power wire to fuse box.
- Reconnect negative battery terminal.



STEP FIFTEEN:

- Flash PCM with latest ZZP tune update to enable flex fuel option.
- Enjoy!

