



## Fuel-It! 2017+ Stinger GT 3.3L Flex Fuel Install Guide

Last Updated: 11/12/2023

<http://www.burgertuning.com/terms.html>

THIS PART IS LEGAL FOR USE ONLY IN COMPETITION RACING VEHICLES AS DEFINED UNDER CALIFORNIA LAW, AND IS NOT LEGAL FOR USE IN ANY OTHER MOTOR VEHICLE. California law defines a "racing vehicle" as "a competition vehicle not used on public highways." (Calif. Health & Safety Code 39048) This part may only be used on competition racing vehicles operated exclusively on a closed course in conjunction with a sanctioned racing event. Competition-only motor vehicles may not be driven to a racing event on a public highway and must be transported on a trailer or other carrier. USE OF THIS PART IN ANY OTHER VEHICLE MAY SUBJECT YOU TO FINES AND PENALTIES FOR VIOLATION OF FEDERAL AND/OR STATE LAW, WILL VOID YOUR WARRANTY FROM BURGER MOTORSPORTS, INC, AND CAN VOID YOUR VEHICLE'S WARRANTY. It is your responsibility to comply with all applicable federal and state laws relating to use of this part, and Burger Motorsports, INC hereby disclaims any liability resulting from the failure to use this part in compliance with all applicable federal and state laws.



Open the hood, lock the doors, place your key far enough from the car not to wake it up, and let the car sit for 15 minutes before proceeding.

The Flex Fuel Kit includes:

**Sensor**

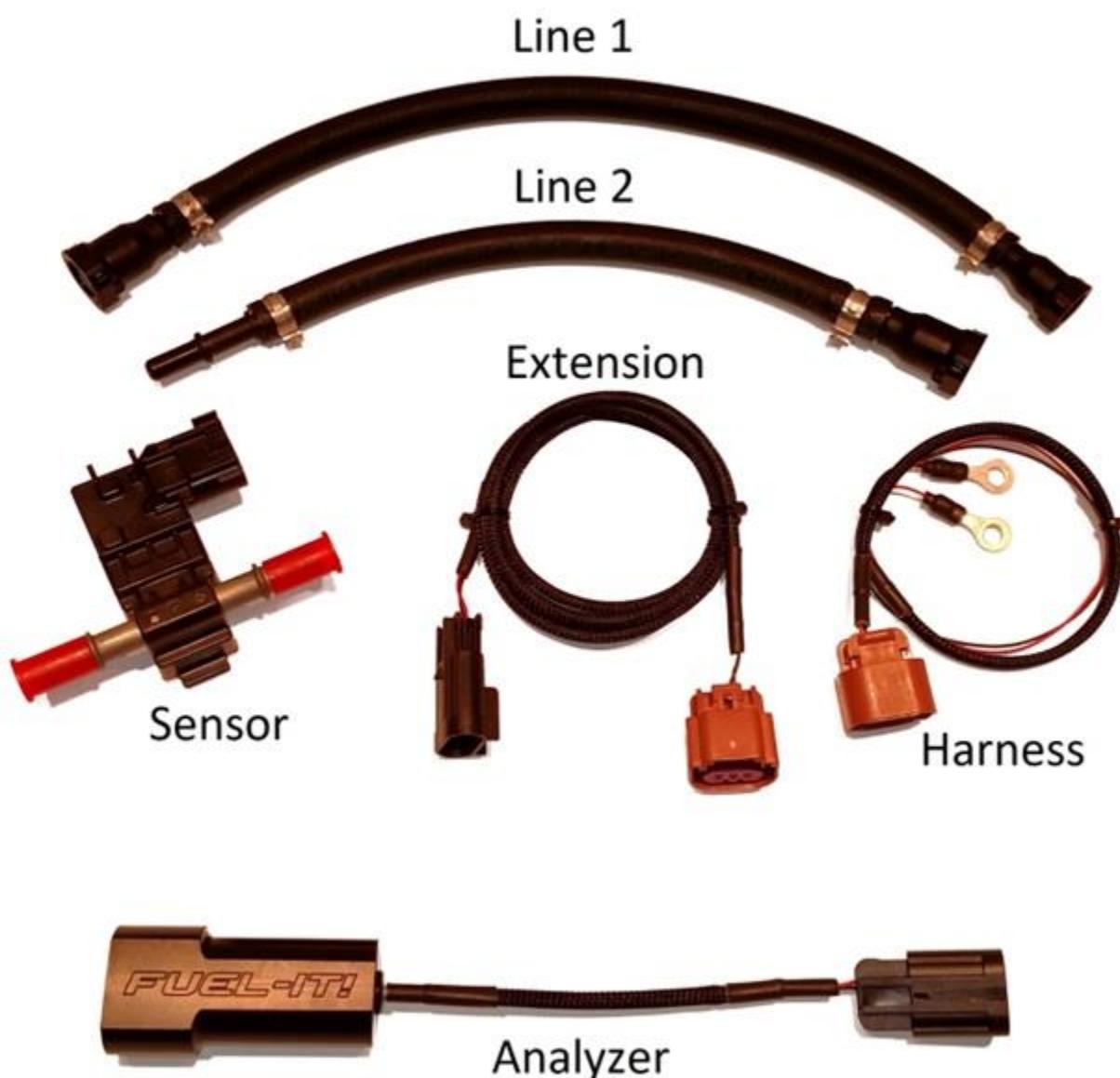
**Analyzer**

**Line 1** (HPFP to ethanol sensor)

**Line 2** (Ethanol sensor to stock line)

**Extension** (Ethanol sensor to analyzer)

**Harness** (Power, ground, and option signal wire)



## Install the fuel lines and ethanol sensor:

- Remove the engine cover and locate the HPFP on the driver's side of the motor
- Remove the gray fitting cover on the HPFP...

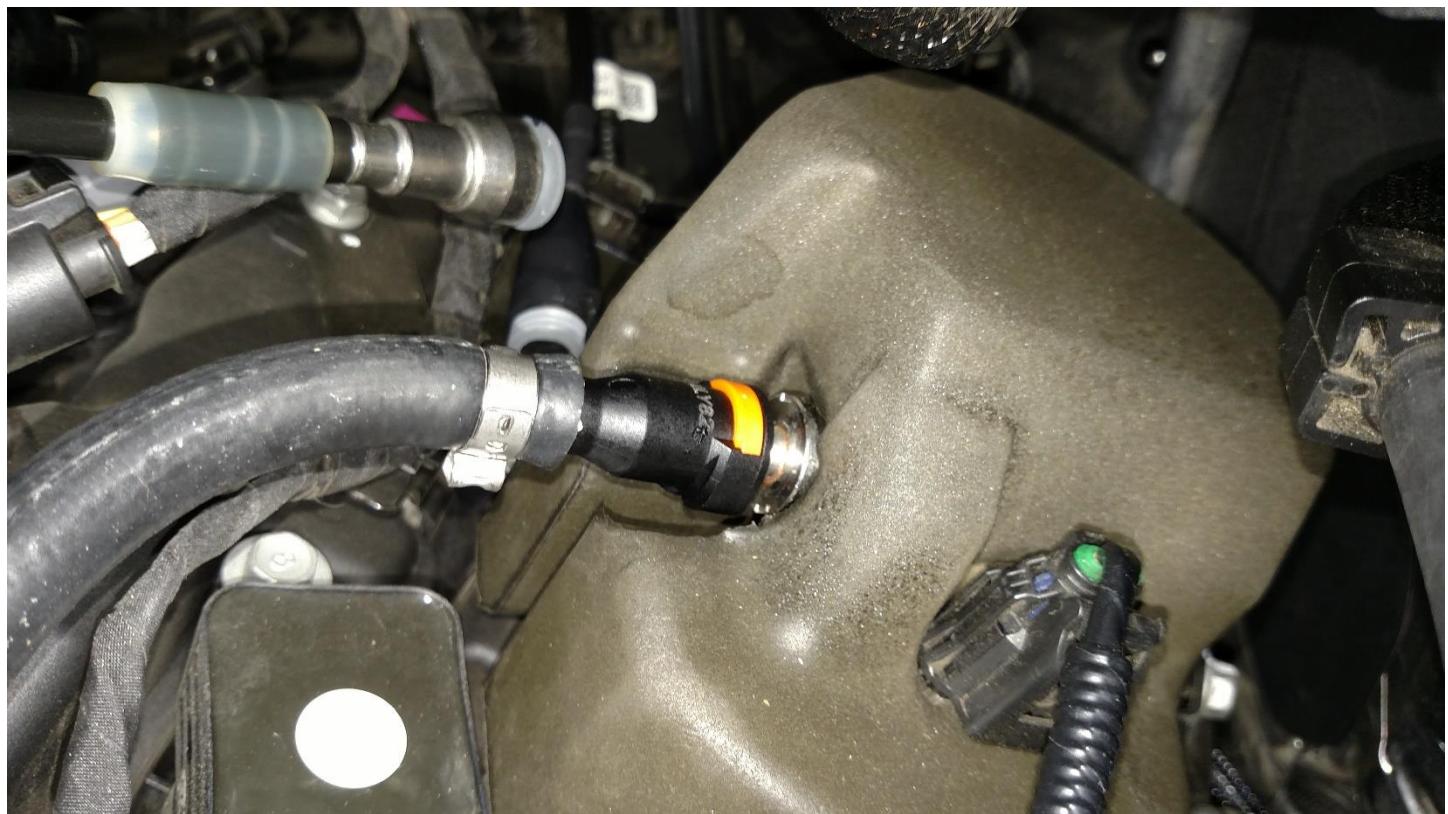


-Remove the fuel line fitting by pushing the fuel line toward the HPFP, depressing the white/gray clip, and pulling the line off. (CAUTION: Fuel line may have pressure and spray fuel so be careful and cover the fitting with a towel)

\*Hint\* we use a automotive panel removal tool to make this easier



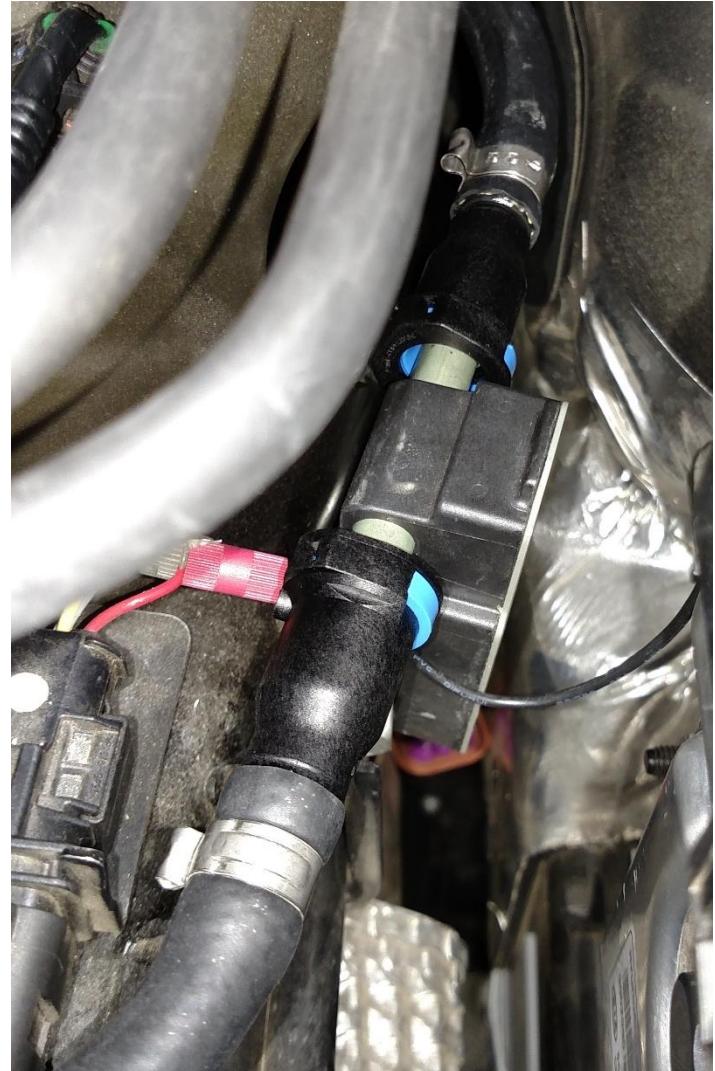
-Plug **Line 1**'s orange connector in to the HPFP...



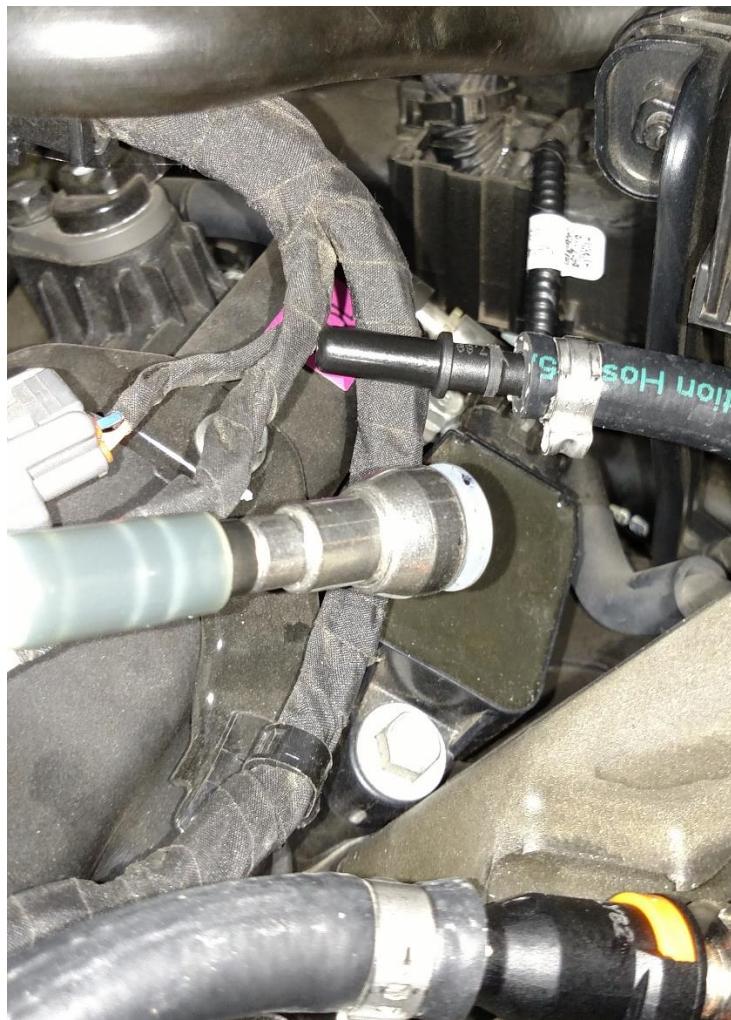
-Plug the ethanol **Sensor** into the blue connector of **Line 1**...



-Plug **Line 2**'s blue connector into the ethanol **Sensor** and route the sensor and lines around the HPFP...

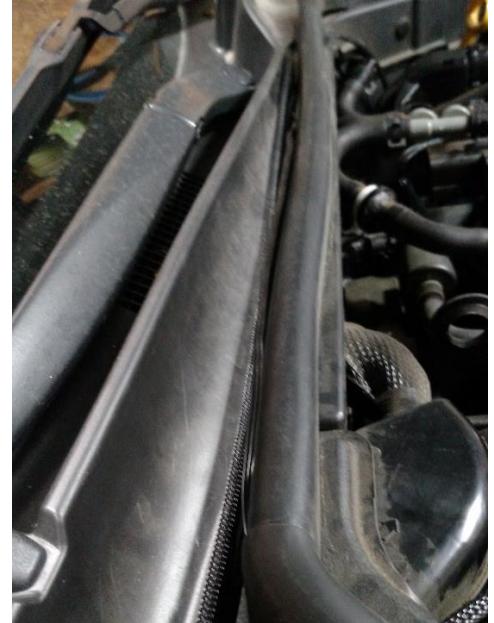
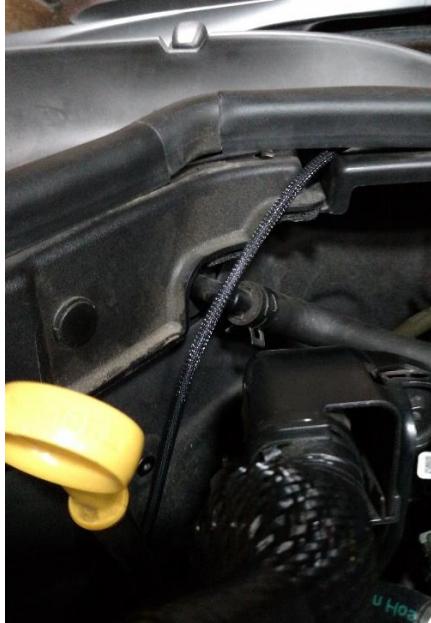


-Connect Line 2 to the stock fuel line...



## Install the Analyzer, Extension, and Harness:

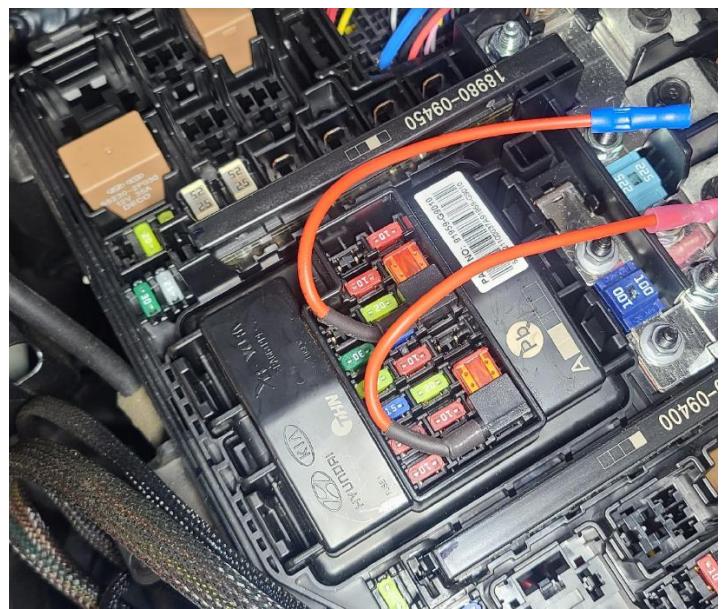
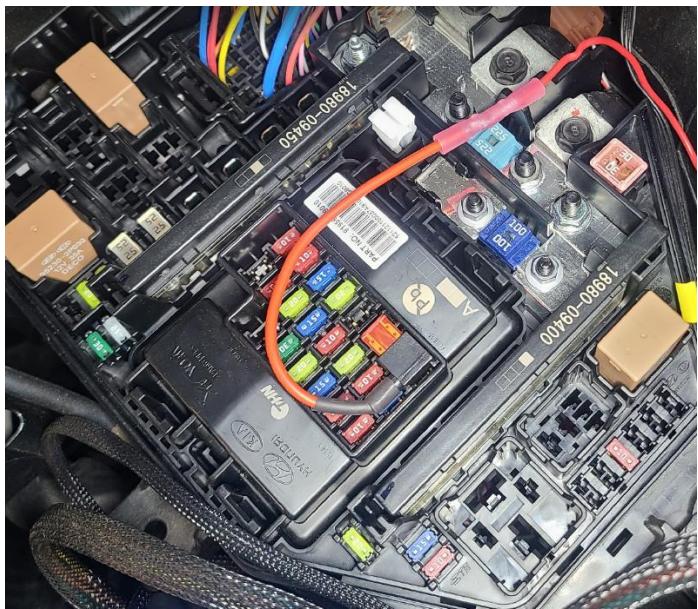
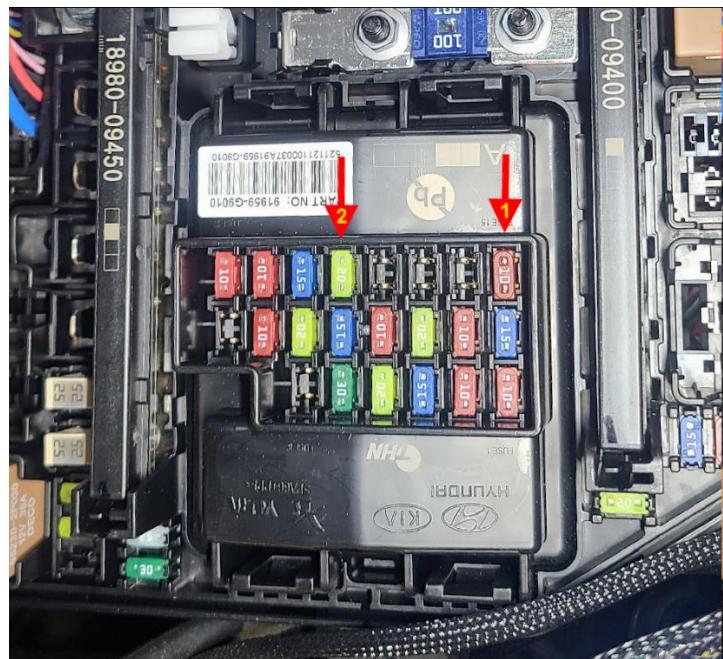
-Plug the female **Extension** connector into the ethanol **Sensor** and route the wire to the passenger side fuse box area...



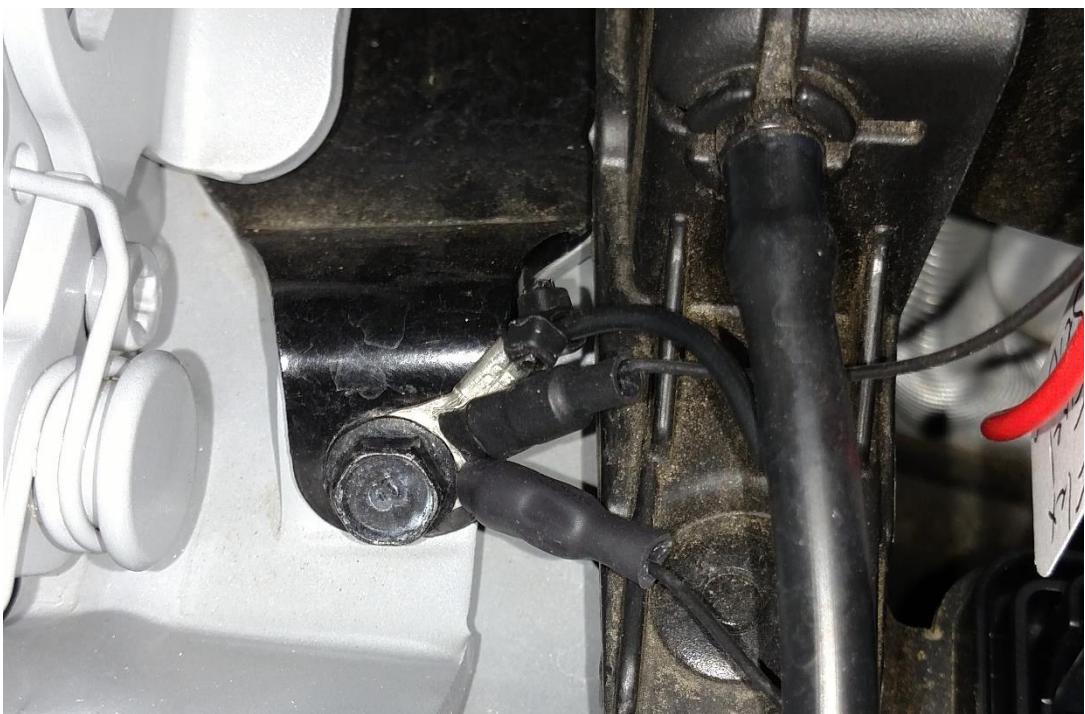
-Plug the **Extension** and **Harness** into the **Analyzer**...



-Open the fuse box and connect the **Analyzer** power terminal with fuse to one of the following locations with the shown orientation.



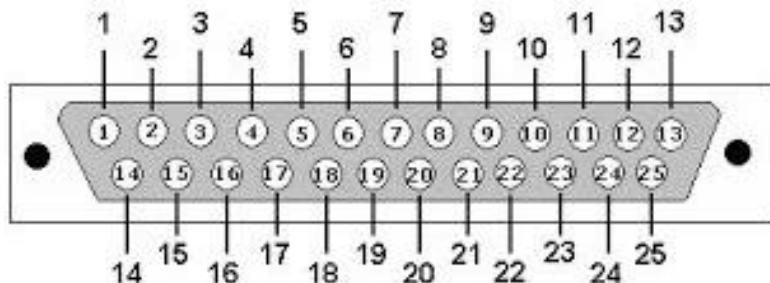
-Connect the ground terminal...



## Optional connection to JB4:

For those equipped with a JB4 tuning system feeding the flex fuel sensor signal into the JB4 allows you to view E85 mixtures directly in the JB4 mobile app and allows the JB4 to automatically adjust your engine tuning as a function of your ethanol mixture.

Insert the white signal wire into pin location 4 on the JB4 DB25 connector as shown below. Then open your “WMI” settings in the JB4 App and enable bit 0 under “Ethanol Setup”. Once activated, you should see the E85 mixture appear under the “E85” parameter in the JB4 Mobile app.



DB25: View looking into male connector

JB4 No com ports found

File Data Logging Basic View Pro View Purge Map: 3 Pick

Logging User Adjustment WMI Settings

**Water/Meth Injection**

Boost Additive (0-75)	<input type="text" value="0"/>
Signal Scaling (0-100)	<input type="text" value="0"/>
Min Flow Boost (PSI)	<input type="text" value="11.8"/>

**Ethanol Setup**

0: JB4 2/3/4 FlexFuel Input	<input checked="" type="checkbox"/>	4: Scale PI On FlexFuel	<input type="checkbox"/>
1: JB4 15/16 FlexFuel Input	<input type="checkbox"/>	5: Startup E85 Indicator	<input type="checkbox"/>
2: DTML FlexFuel Input	<input type="checkbox"/>	Blocked in USA	<input type="checkbox"/>
3: DTML WMI Input	<input type="checkbox"/>	7: Enable WMI Pump PWM	<input type="checkbox"/>

# Complete Install:

Check lines and connections for leaks...

- Unlock the car

- Cycle ignition power a couple times without starting the car

- Check all connections and pull on them to verify they are locked in place properly and there are no leaks.

Secure fuel lines and wires...

- Secure fuel lines with the supplied **Zipties** so they don't run on anything

- Secure electrical wires with the supplied **Zipties** so they don't rub or catch on anything.

- Re-install engine cover

## Connect to Fuel-It! Mobile App:

- Download Fuel-It! App for your mobile device from the Playstore or Apple App store by searching for "Fuel-It".

- Open FI app

- Select "Connect"



## Thank you for choosing Fuel-It!

\*For technical support with hardware installations, please email [info@fuel-it.com](mailto:info@fuel-it.com)

\*For technical support with the app or connecting, please email [support@dmacdev.com](mailto:support@dmacdev.com) with a screenshot of the error you are getting.