

Kia Stinger 2.5T Ethanol Content Analyzer and Charge Pipe Injection Kit Install Guide

Last updated (JD) 8/5/2026

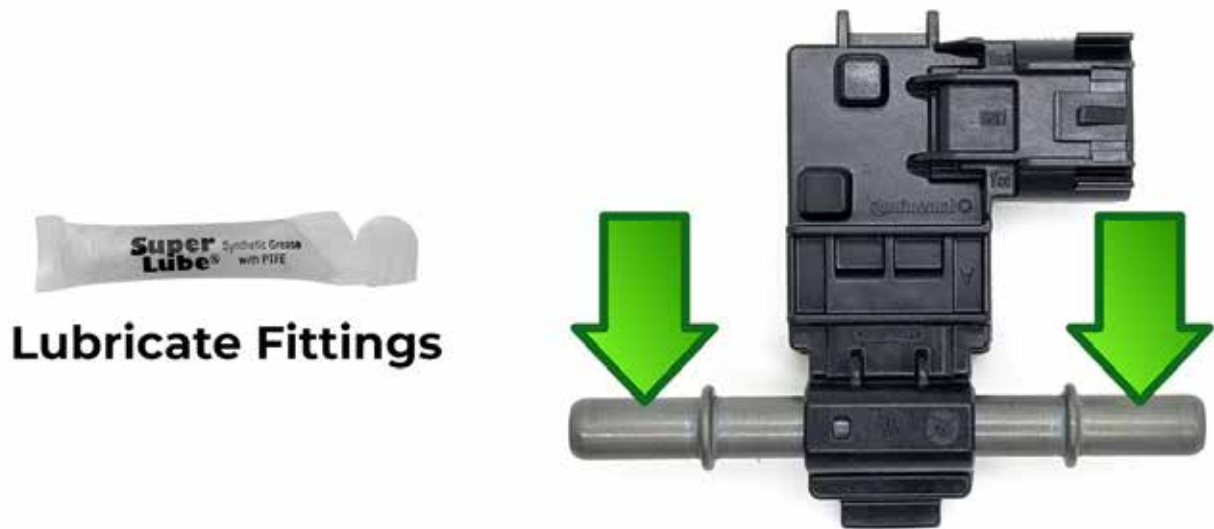
Use subject to terms and conditions posted at <https://burgertuning.com/pages/terms>

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 the 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.

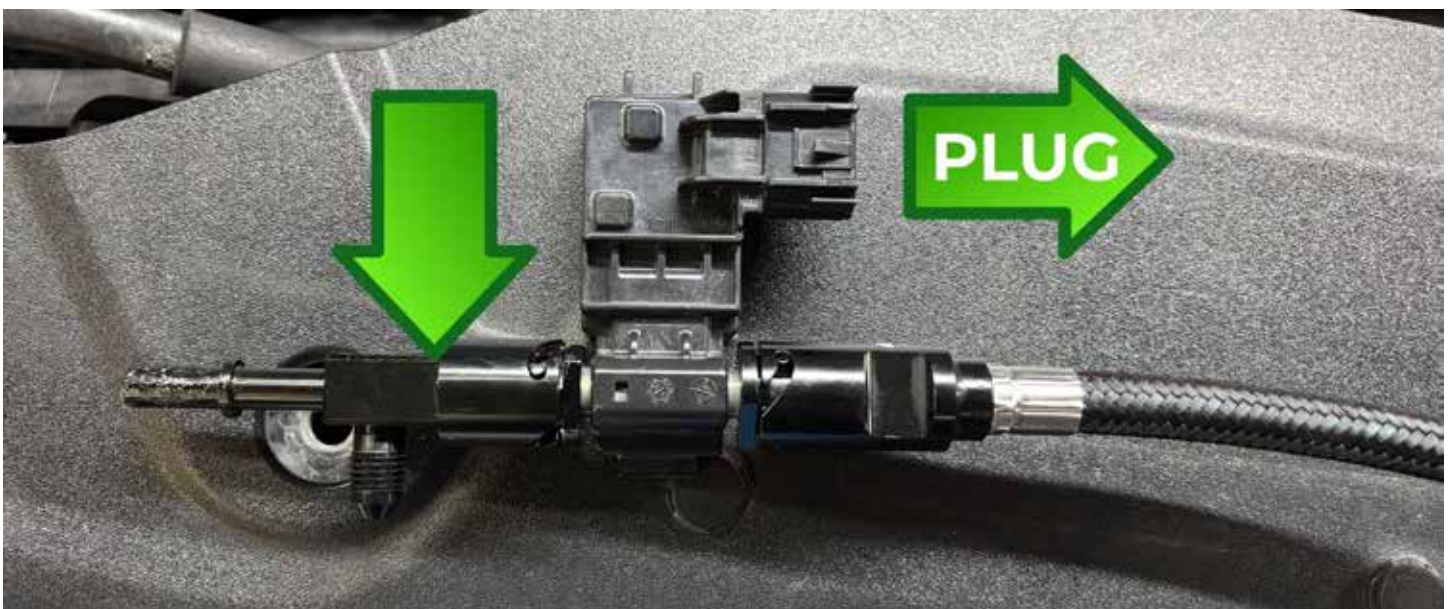


⚠ ATTENTION: Before starting installation lock the doors and place the key at least 20 feet away from the vehicle. Wait 10 minutes for the vehicle to go to sleep.

Use the included super lube to lubricate all fuel line fittings before connecting fuel lines.



Connect the included billet fitting and steel braided fuel line. Plug should be on the fuel line side as shown below. Make sure the cam-locks are secure.



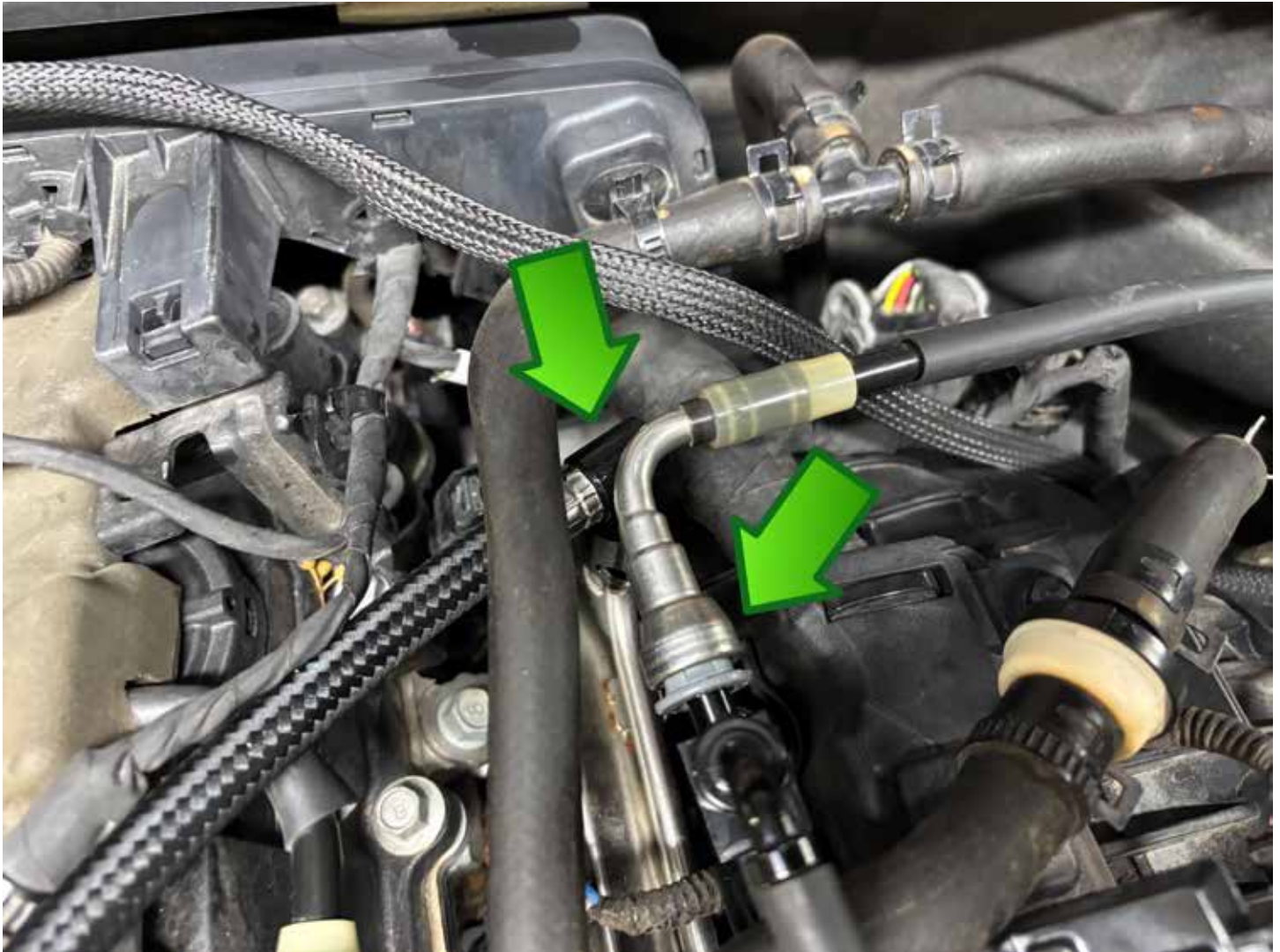
Place a rag under the factory fuel line to absorb fuel during the disconnection process.

⚠ **ATTENTION:** Line may be under pressure and could spray fuel when separated.

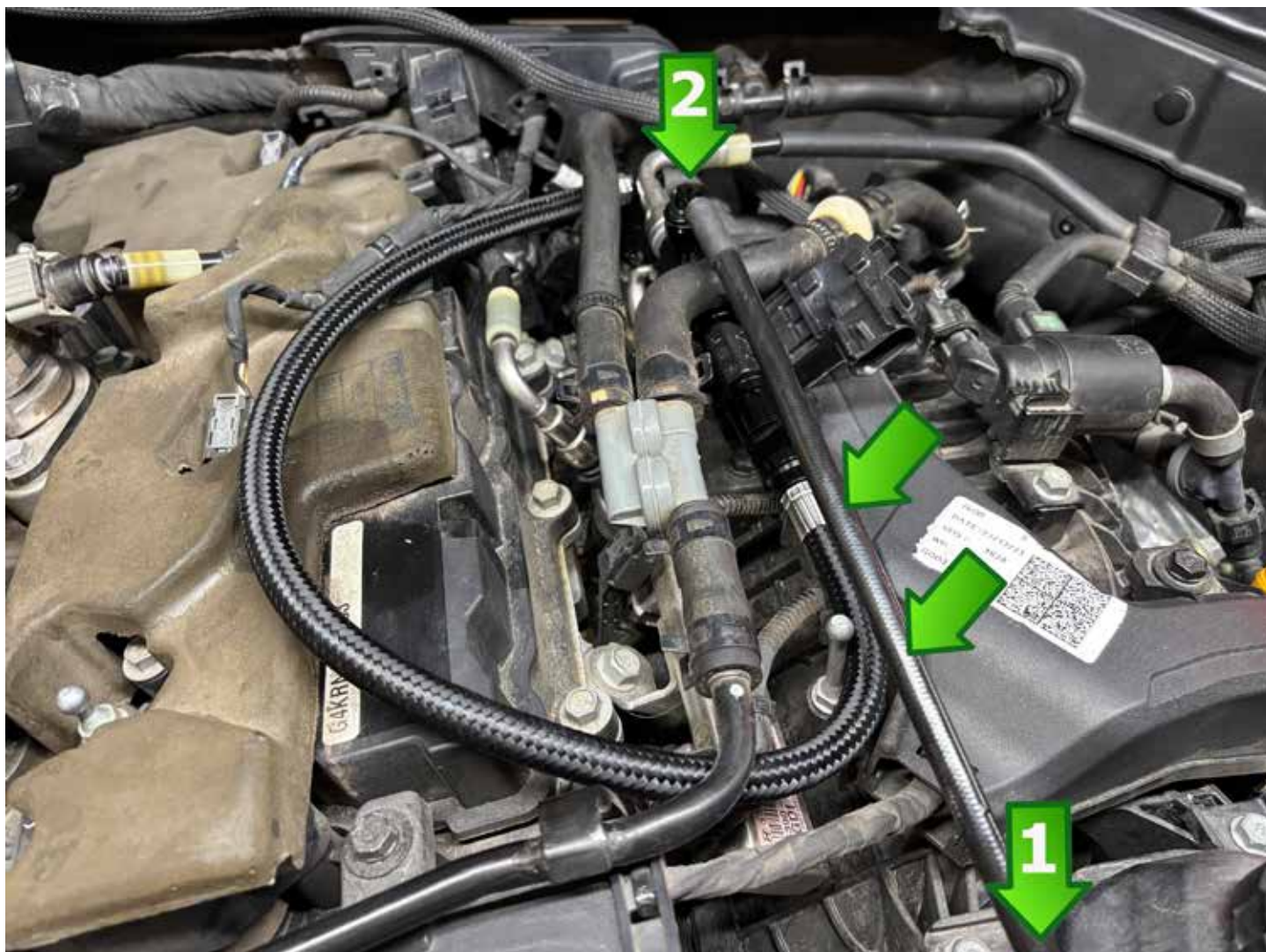
To separate, push in on the factory fuel line to the left and pull it off.



Connect the steel braided fuel lines and sensor to the vehicle. Be sure the fittings are lubricated and click in and are secure.



Connect the steel braided rubber coated fuel line to the included billet connection by screwing it on. This goes to the extra fuel injector. #1 goes to the injector. #2 goes to the billet fitting



Remove the OE charge pipe and if equipped replace with optional the BMS aluminum charge pipe. If your vehicle is already equipped with a charge pipe with 1/8" NPT bungs.



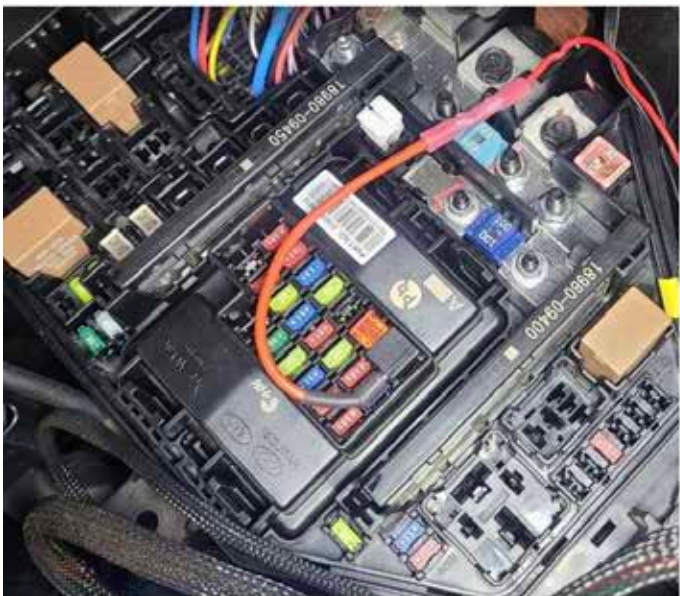
Fuel injector attached to the optional charge pipe or your already equipped charge pipe.



Plug in the brown connector on the supplied wiring harness to the ethanol content analyzer. Then plug the wires with the red and blue wires into the connector shown below.



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

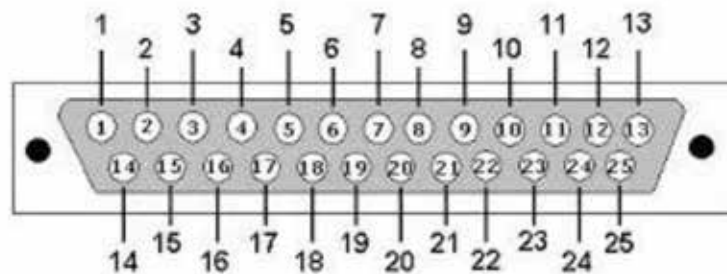


Connect the ground terminal.



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)

Signal Scaling (0-100)

Min Flow Boost (PSI)

0

0

11.8

Ethanol Setup

0: JB4 2/3/4 FlexFuel Input

1: JB4 15/16 FlexFuel Input

2: DTML FlexFuel Input

3: DTML WMI Input

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4: Scale PI On FlexFuel

5: Startup E85 Indicator

Blocked in USA

7: Enable WMI Pump PWM

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If using the optional CANflex kit the LED readout can be mounted in the engine compartment or routed into the passenger compartment. If left in the engine compartment, please use the included silicone protective case.

**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 away from moving parts and hot surfaces.
- Re-install engine cover

If using the JB4PRO app select WMI Ethanol Setup option 1 in the JB4 app to activate the ethanol content sensor.

Download the free BMS CANflex app here:

Android: <https://play.google.com/store/apps/details?id=com.burgertuning.canflex>

Apple (iOS) <https://apps.apple.com/us/app/canflex/id6746137635>