

## 2025+ Gen 3 B48 MINI CANFlex Ethanol Content Sensor Install Guide

Last updated (JD) 7/22/2026

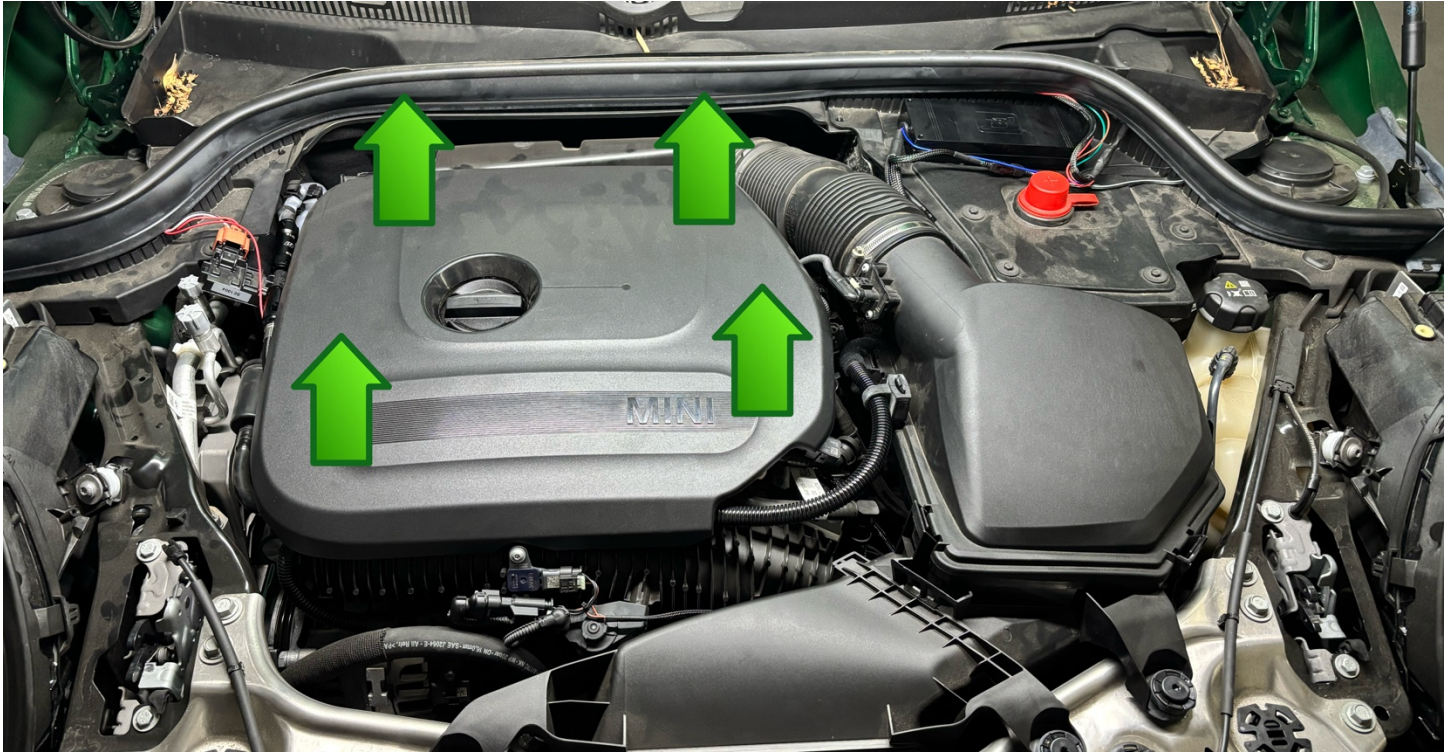
Use subject to terms and conditions posted at <https://burgertuning.com/pages/terms>

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.

Remove the engine cover by pulling up on it.

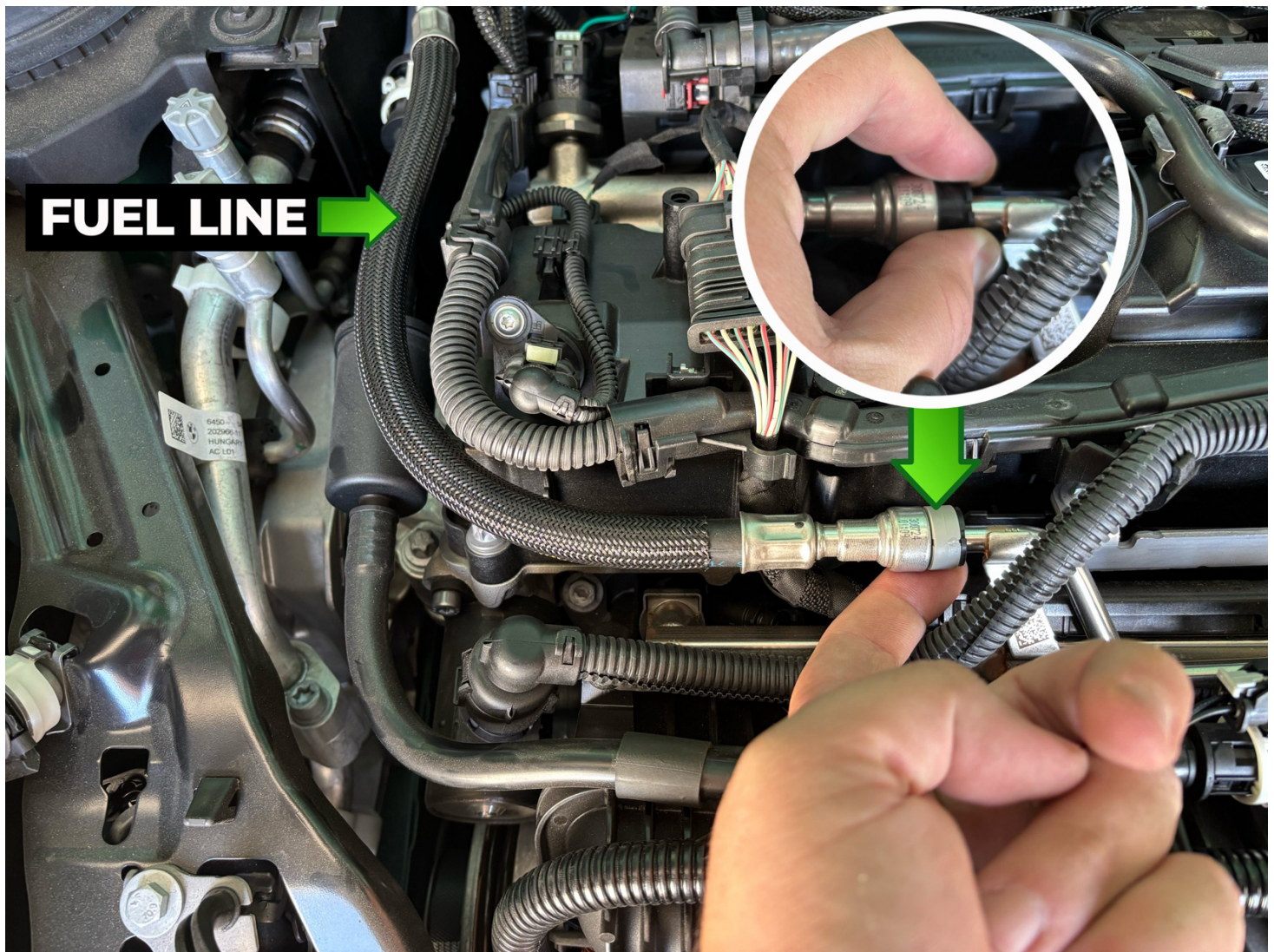




Locate the factory fuel line on the left side of the engine (facing the car) and place a rag under the factory fuel line connections to absorb fuel during the disconnection process.

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

Undo the OEM fuel line by removing both gray locking clips. While pushing the hose line in toward the hardline, simultaneously push down on the black locking tab on the fuel line, then pull to release it.





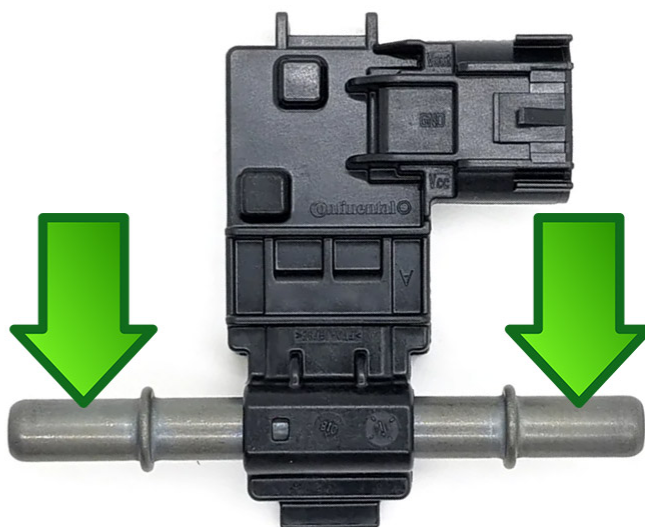
Remove the factory fuel line from the vehicle and store it in a safe place for future use.



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



**Lubricate Fittings**

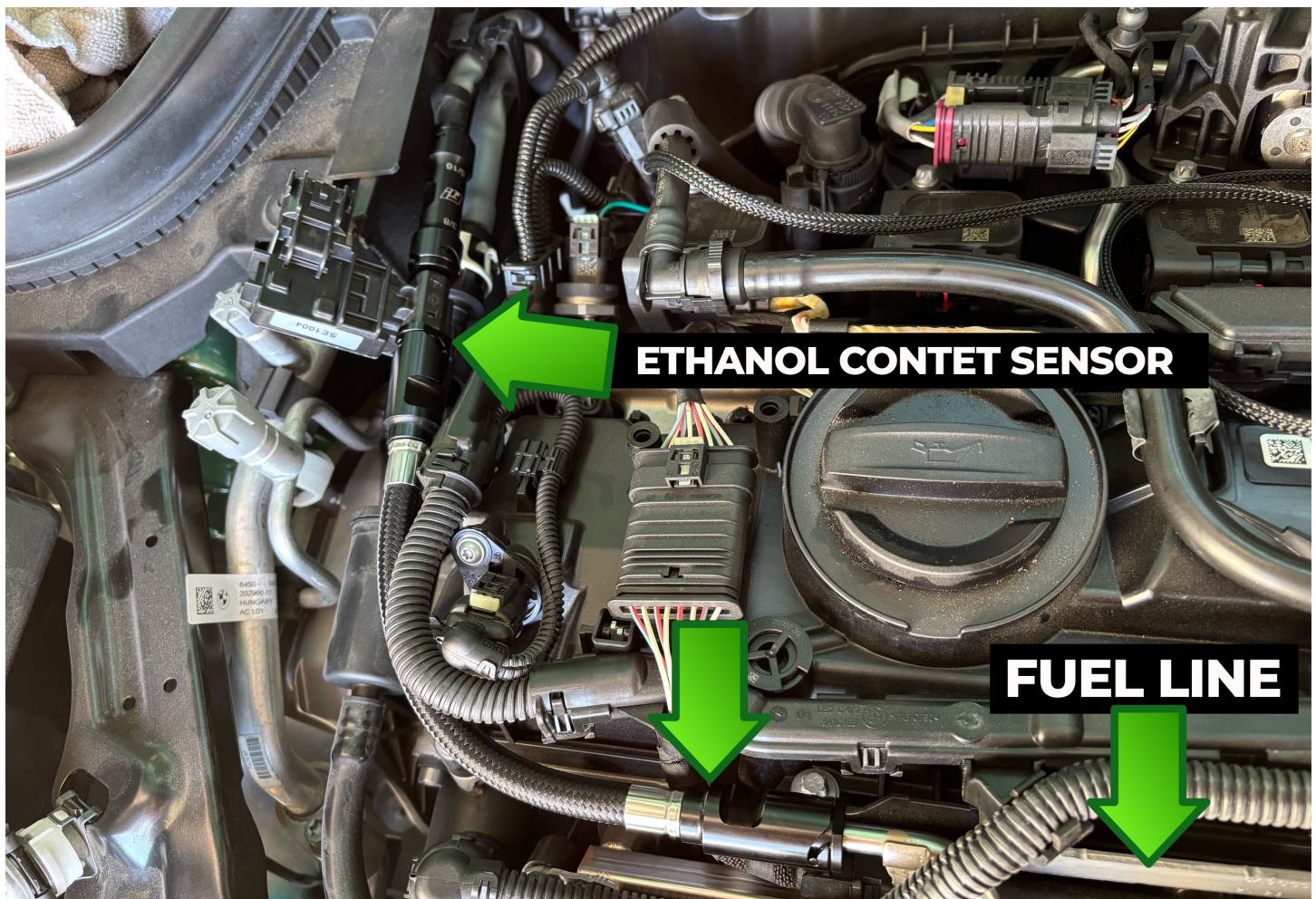




Attach the included hose and fittings to the ethanol content sensor. Be sure the fittings are lubricated the cam-locks click in and are secure.

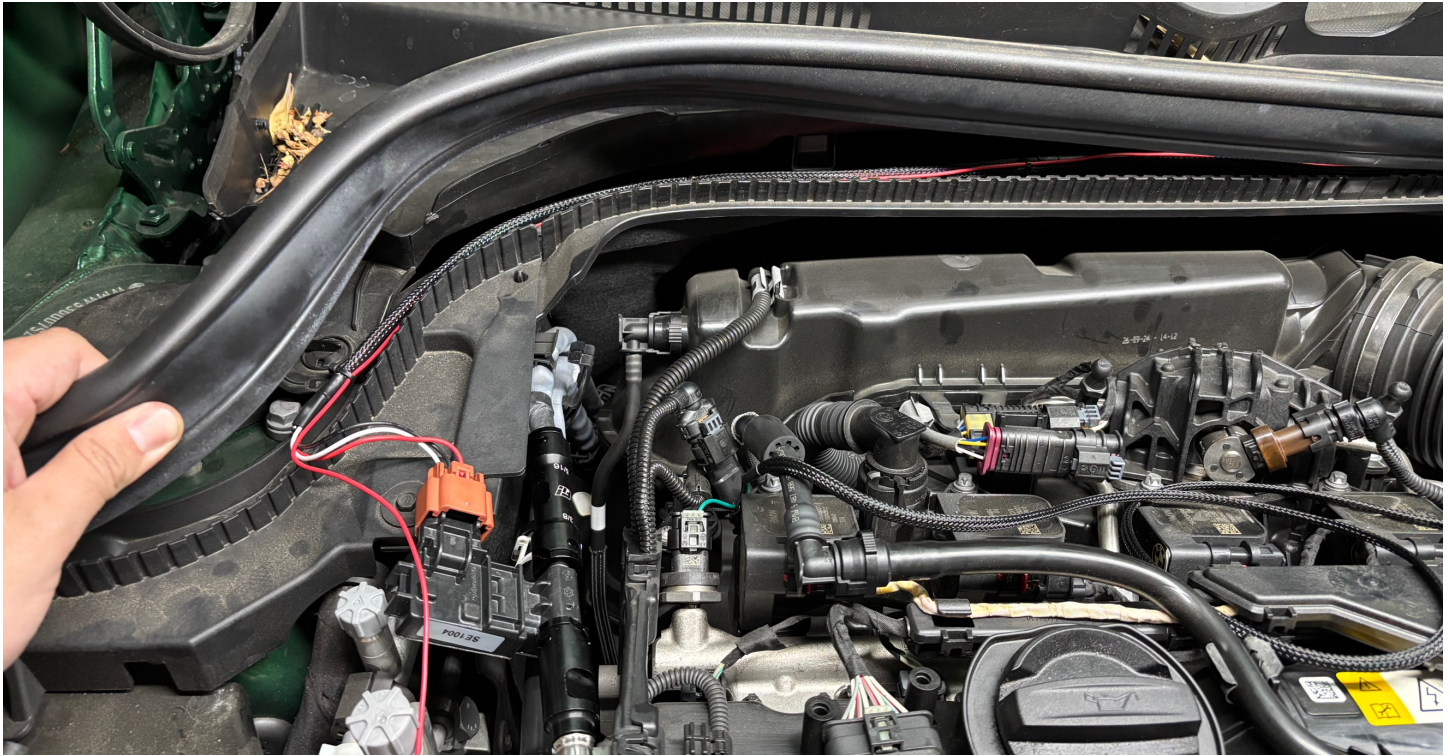


Connect the factory fuel line making sure it clicks in for secure connection. Tug on it to ensure a secure connection.

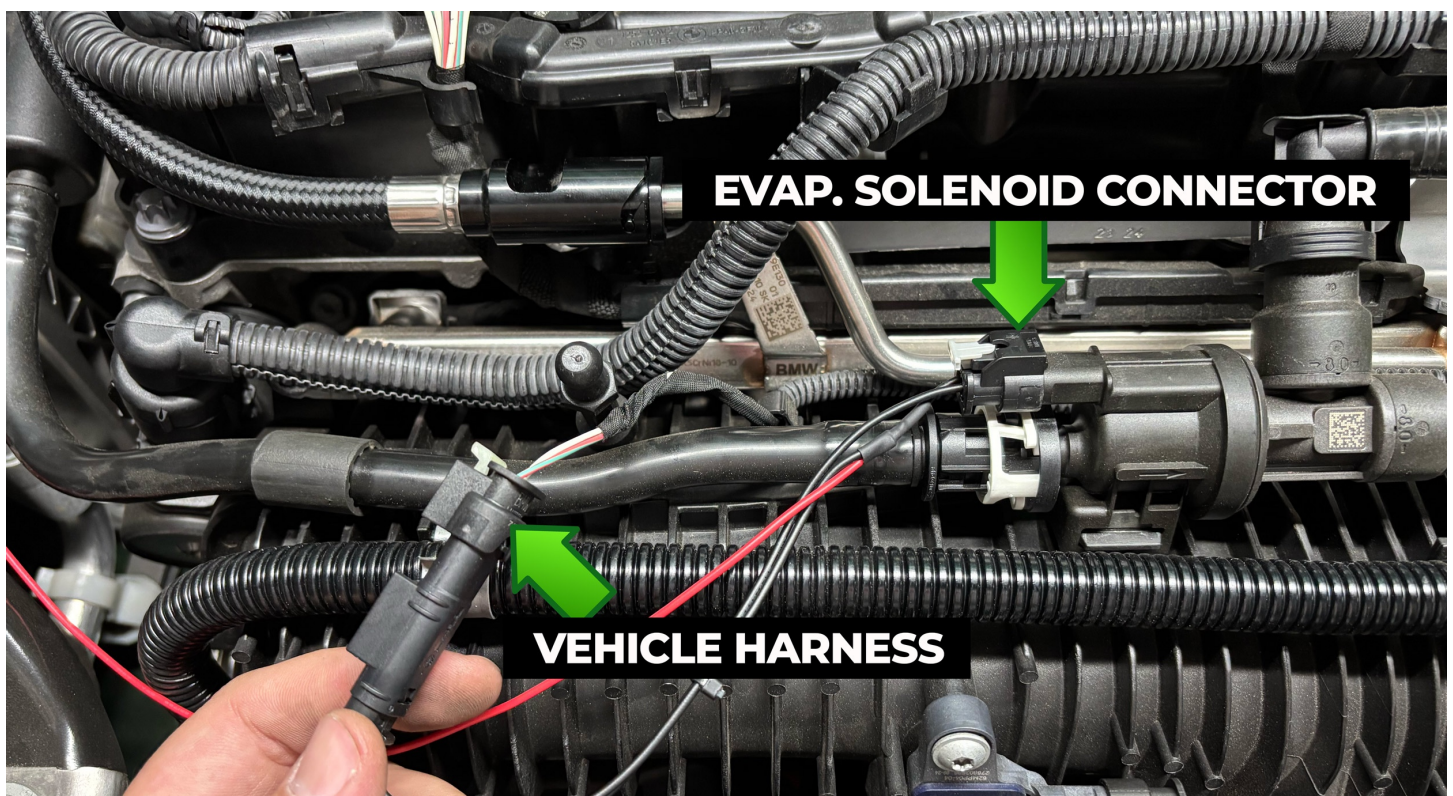




Connect the brown connector to the ethanol sensor and connect and loop the black connector to the evap. solenoid on the intake manifold. The wiring will be routed along the cowl to the driver side.

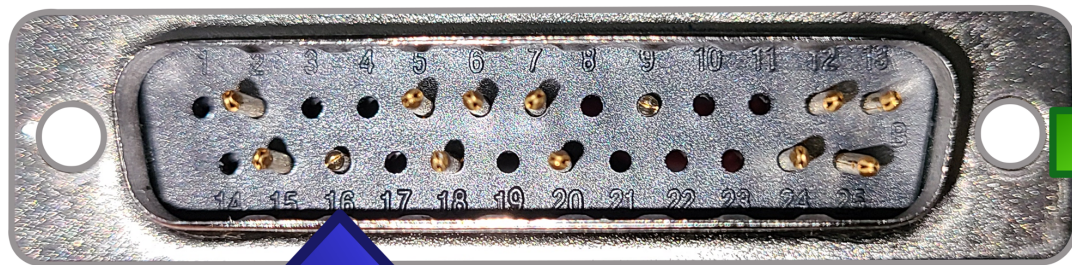
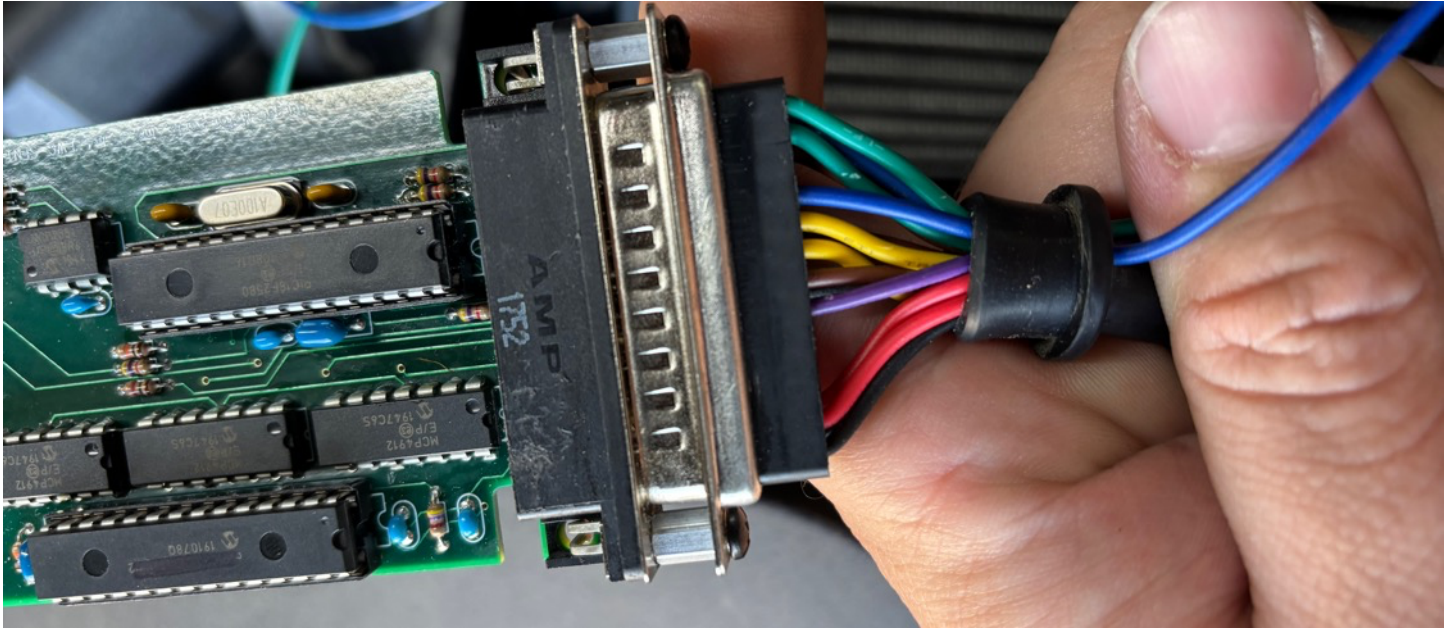


Unplug the evap. Solenoid connection by carefully pulling back the gray tab until it clicks and pinching it and pulling it off.





If JB4 equipped run the blue wire **inside** the black rubber grommet to the JB4. Securely click it into empty pin hole #16 the DB25 connector. and tug on it to ensure its secure. Green and brown wires are for future use and should be capped off and tucked away. Connect the black forked ground wire to the chassis ground on the corner of the strut.



**WHITE  
WIRE**

**16**

**JB<sup>4</sup>** DB25 connector





Plug the RJ45 ethernet connector into the CANflex LED box. Start the car with the hood open and inspect for leaks. The LED in display will display the real-time ethanol mixture. The real-time ethanol content and other live-data parameters can also be displayed on your phone by downloading the FREE BMS CANflex app.





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.







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>

