

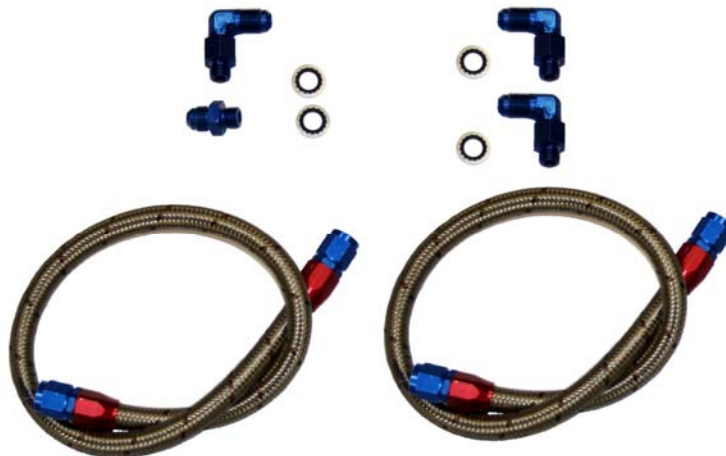


Thank you for purchasing Trusted Performance's Stage I fuel system. This system is not designed to increase the horsepower or the performance of the vehicle. Instead it is designed to save those components that are most likely to have problems from increased performance from aftermarket modifications.

Typically fuel injectors will start showing problems and running dry when aggressive programmers and/or modules are installed. We do recommend this kit to be added to stock vehicles as well as modified vehicle because having an ample supply of fuel is always good.

This system gets rid of the factory fuel lines running from the fuel filter housing to the cylinder heads. There is a restrictive check valve within the banjo bolts that keep the cylinder heads pressurized. Because we remove it, we recommend having the key on for at least 3 seconds before attempting to start the engine to allow the fuel pump to increase the fuel pressure in the heads.

We recommend upgrading to our Stage II fuel system when upgrading injectors. This system sends all fuel through the cylinder heads and regulates the fuel pressure after the injectors, preventing them from running dry and, also, removing all air pockets.



As with any aftermarket product, please check with your local dealer to see if this component will void your warranty. In addition, certain states have prohibited the use of certain modifications on the road. We advise all diesel owners to check their local laws to see what is and isn't street legal. If this kit is not legal for use in your state, please contact us within 5 business days of receiving it.

Please read over the entire directions before starting. You will need to have a small pipe cutter or similar cutter to cut the passengers side fuel line.

Installation:

1. Since you will be opening up the fuel system, there is a good likely hood that diesel fuel will leak. Place a drain pan under the vehicle to catch any fluid that leaks.
2. The first step is to remove the intake filter.



3. The next step is to remove the intercooler tubing from the intercooler to the intake elbow. *Note, we have a CFM Plus intake on this truck. The factory one is a little smaller.



4. With the intercooler tubing removed, take the intake assembly and tubing off.



5. Next, remove the driver's side battery and battery tray. Either unhook both batteries or tape the positive terminal wiring to ensure nothing shorts out.



6. Remove the driver's side banjo bolt.



7. Loosen the fuel line nut and remove the drivers' side fuel line from the fuel filter housing on top of the engine.



8. Once the fuel line is removed, next remove the fitting. Notice the size difference between the factory fitting and lines compared to our fittings and lines.



9. The Trusted Performance fittings are all o-ring sealed. No Teflon is needed. Place the o-ring into the straight fitting and install it into the fuel filter housing.



10. Place the o-ring on the 90 degree elbow and screw it into the cylinder head. *Note, this is probably the most difficult part of the whole process.



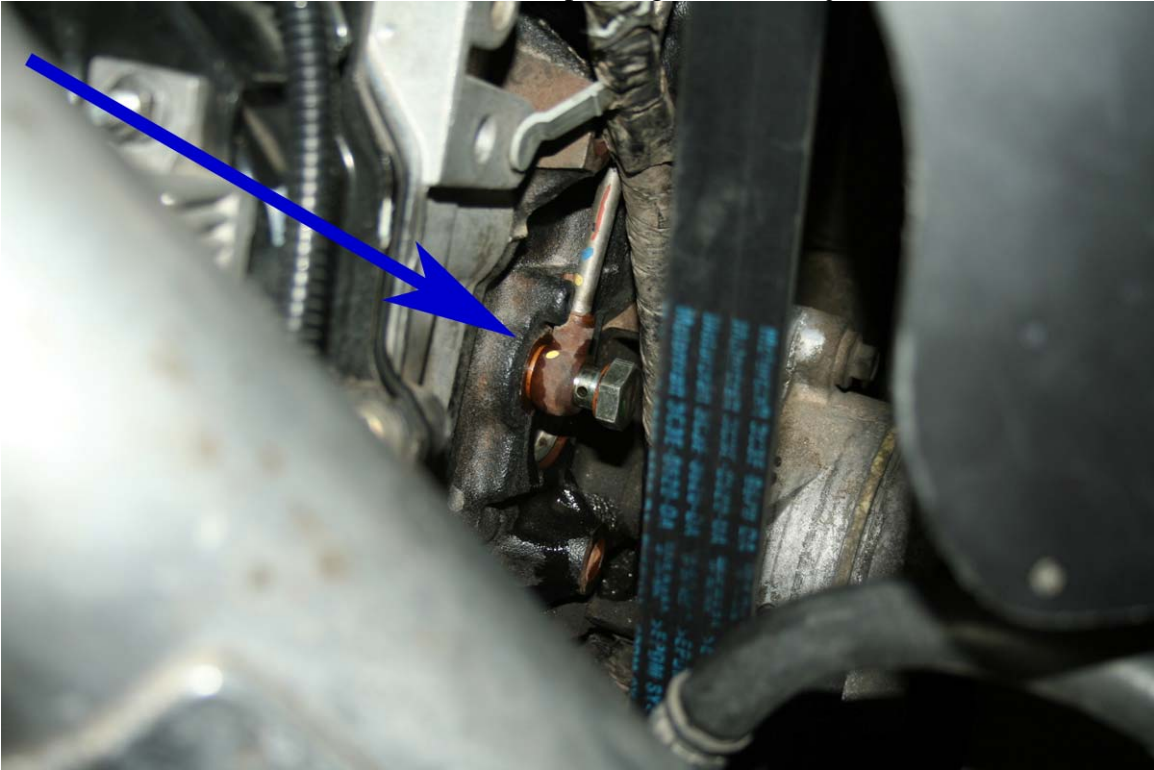
11. Once the 90 degree elbow is tight, flip the male end down. Then screw on the fuel line. *Note, the line is run in between the fuel inlet and return lines at the corner of the head. **Both fuel lines are the same, either one will work for either side.



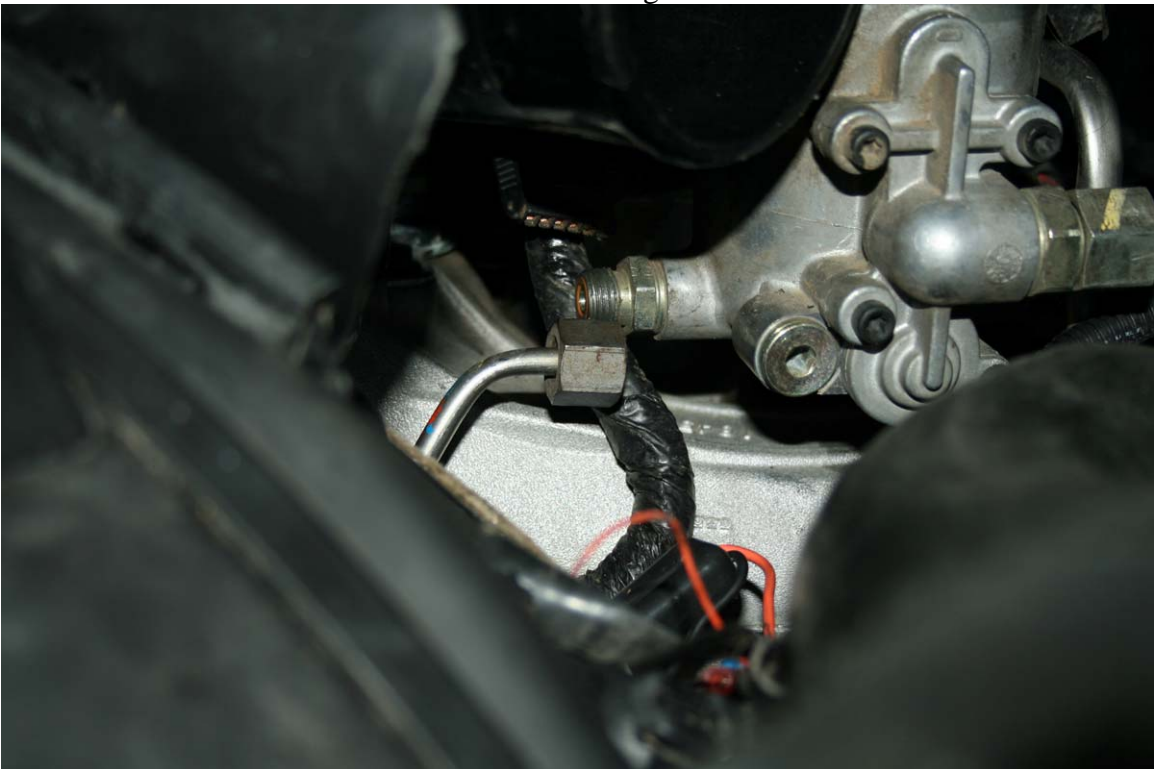
12. Once the bottom of the fuel line is on, install the top of the line.



13. With the drivers' side done, remove the passengers' side banjo nut.



14. Loosen the fuel line from the fuel filter housing.



15. Using a screw driver, remove the top of the fan shroud.



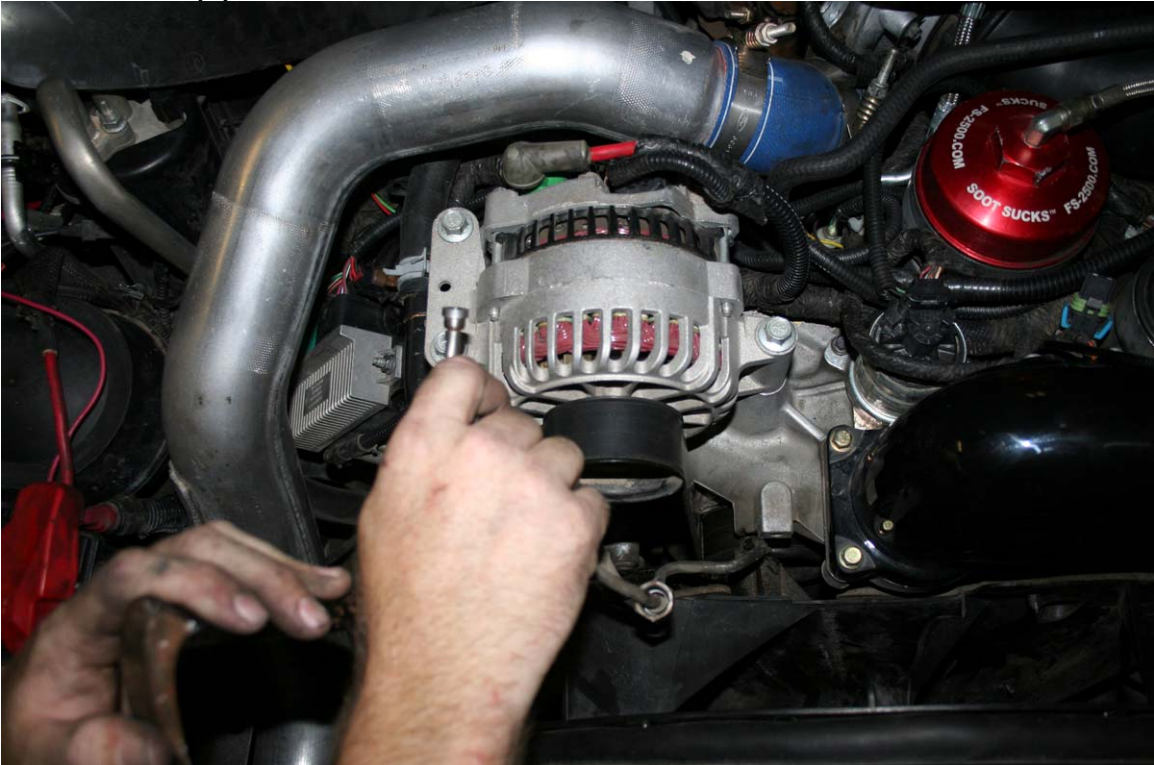
16. Once the shroud is removed, there are two bolts that hold the rest of the fan shroud to the intake manifold. These need to be removed as well.



17. Remove the bolt holding the fuel line to the intake manifold and gently pry the fan shroud away from the intake manifold while pulling the fuel line up.



18. Once the fuel line is on the other side of the intake elbow, cut the fuel line at the bend. A small pipe cutter works best. Once the line is cut, remove it.



19. Next, install the o-ring onto the 90 degree fitting and install it into the fuel filter housing.



20. Next loosen the alternator. *Note, you are only loosening the alternator, not removing. Start by loosening the front two bolts and then slowly loosen the back bolt to allow the alternator to lean forward.



21. Once the alternator is leaning forward, run the new fuel line under it.



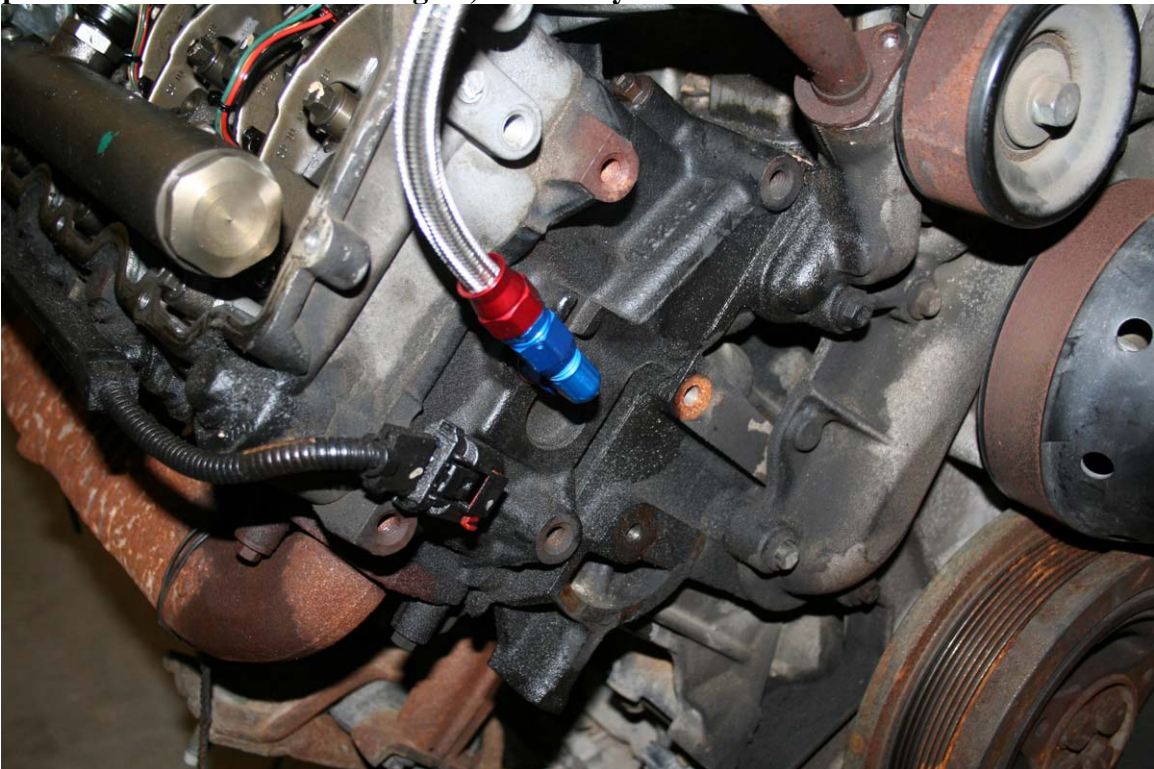
22. After running the fuel line under the alternator, move the wiring on the intake between the EGR valve and oil filter housing off to the side. Then run the new fuel line under the wiring and place the wiring back where it was.



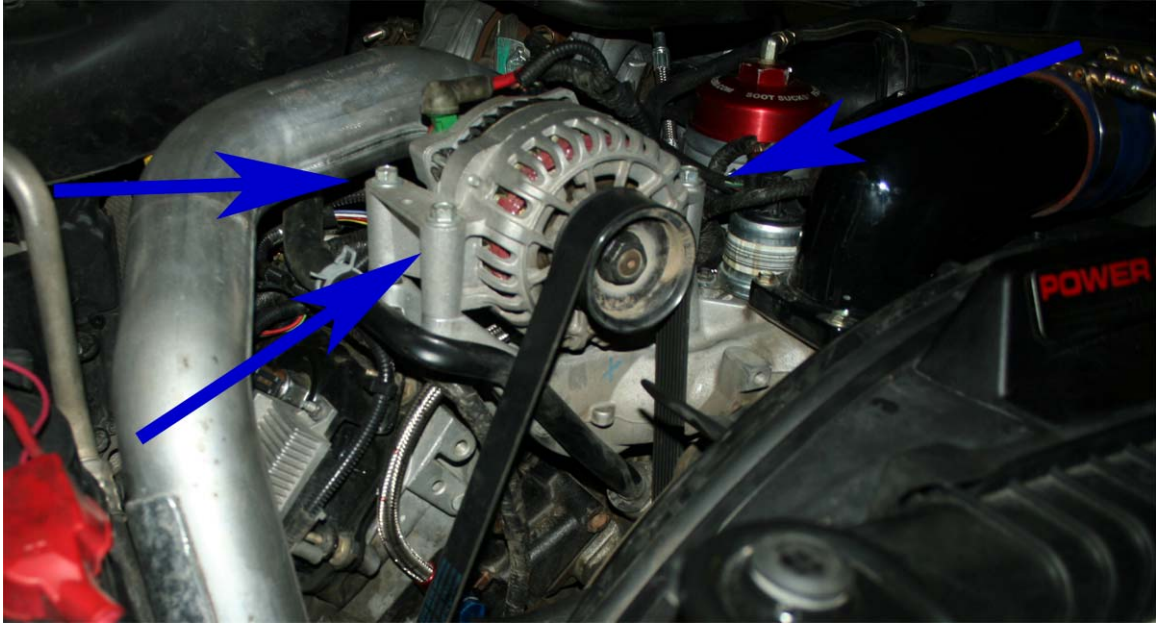
23. Connect the fuel line to the 90 degree fitting.



24. With the fuel line connected to the housing, install the last o-ring onto the 90 degree fitting and install it into the cylinder head. Then install the hose onto the fitting. ***The picture below is from a test engine, that's why it looks different.**



25. Once the banjo bolt is tight, tighten the alternator bolts back up. *Note make sure the fuel line is still loose and not pinched.



26. With everything tight, if only one battery was disconnected, turn the key on and allow the fuel pump to pressurize the system. Check for leaks. If leaks are present, retighten.

27. If both batteries were disconnected, hook up the passengers' side battery, make sure the drivers' side battery wires are not touching anything and turn the key on. Check for leaks. If no leaks are present, disconnect the battery again.

28. Reinstall the two fan shroud bolts and place the fan shroud cover back on.

29. Reinstall the intercooler tubing

30. Once the intercooler tubing has been reinstalled, reinstall the battery tray and battery on the drivers' side.

31. Reconnect both batteries.

32. Reinstall the intake tubing and intake filter housing.

33. With everything back together, cycle the key on for 20 seconds three times. (I.E. key on for 20 seconds. Then turn off. Key on for 20 seconds. Then turn off. Key on for 20 seconds. Then turn off.) This allows the fuel system to pressurize.

34. Start the vehicle. *Note, the truck may run rough for a couple of seconds while the system gets the air out and fully pressurizes. Let the truck idle for a couple minutes.

35. Check for leaks.

36. Drive the truck around the block and again, check for leaks.

37. After a couple weeks of driving, verify that the fuel lines are still free and not laying against anything causing damage to the lines or the object.

Trusted Performance Warranty Program:

Trusted Performance will repair or replace, at our expense, any new products that fail, including products for a period of one year from the original date of purchase.

All Fuel lines come with a 50 year warranty against defects, leaks or anything else that comes up. If you experience a problem, please contact us immediately and include your receipt when you return them.

Warranty will not be granted for recurring damage, malfunction, or failure due to improper installation, misuse, unauthorized repairs or alterations, or externally induced physical damage.

Warranty is non-transferable and must be processed via the original purchaser from Trusted Performance.

Trusted Performance highly recommends that the installation of any components be performed by trained professionals. Improperly installed products may lead to unsafe and unreliable conditions.

Return Policy:

Only unused and complete merchandise may be accepted for return subject to inspection and acceptance by Trusted Performance. No goods will be accepted without prior return authorization from Trusted Performance. Call for approval and RGA (Returned Goods Authorization) tracking number. No returns will be accepted without an RGA tracking number. No returns will be accepted after 30 days from the original shipping date from Trusted Performance unless approved. All approved returns are subject to a 15% restocking charge and less any shipping charges paid for by Trusted Performance. The original invoice must accompany the return.

Warnings:

Trusted Performance is not responsible for any damage due to improper installation.

We recommend all installation be made by a certified professional.

This kit could be harmful to children; keep away and out of reach.

After installing the fuel kit, user should verify there are no leaks. If leaks exist, they must be fixed before operating engine. Failure to fix a leak could cause fire and damage to vehicle and surrounding items. Periodical inspections of lines and fittings should be made to ensure nothing has come loose or become damaged.

As with any aftermarket product, check with your local dealer to ensure this doesn't void the factory warranty.

In addition, check your local emission laws to ensure this component is compliant. Trusted Performance is not responsible for verifying whether their products are emission legal or not, it is up to the end user.