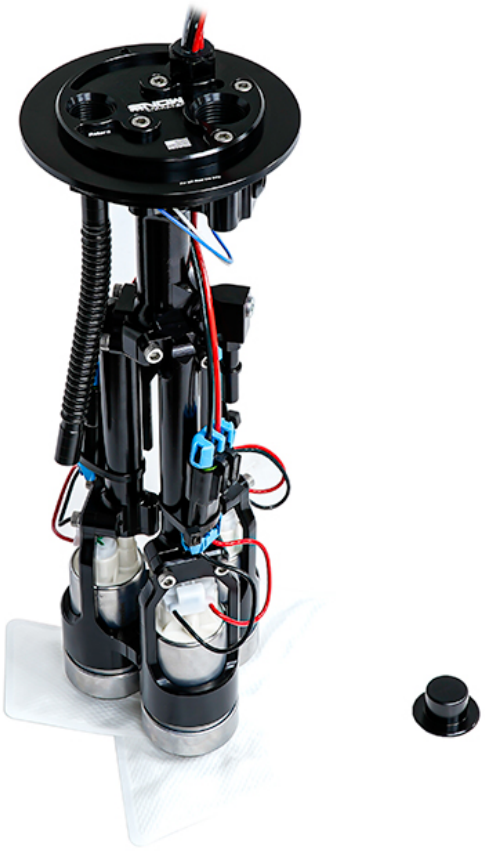
2003-2013 Chevrolet Corvette
Multi-Pump Fuel Hat
Part# SNF-52100



Caution – EXTREME DANGER – Caution
Do not use or mix any Snow Performance products with any other manufacturer's products.

THESE INSTRUCTIONS APPLY TO SNOW PERFORMANCE PRODUCTS ONLY!
FOR SANCTIONED RACE USE ONLY - NOT FOR SALE OR USE IN CALIFORNIA

Pictures for reference only. Your year model may be slightly different.

Installation:

1. To make installation easier, the fuel level should be at its lowest point possible before removal.

2. Follow GM's recommended methods for removal of the fuel tanks (driver and passenger side).

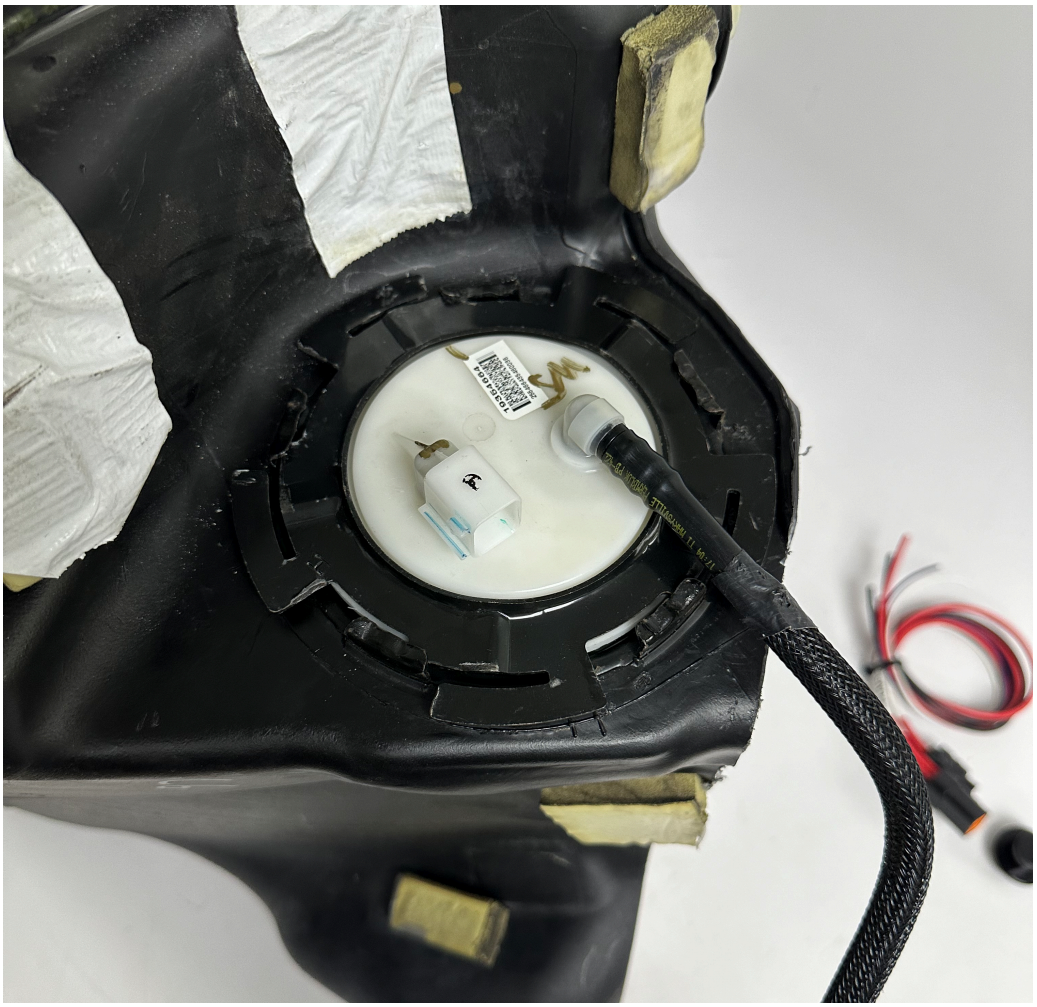
3. On top of the factory fuel hat assembly (drivers side), disconnect main electrical connectors. Relieve the pressure in fuel system by starting the engine and allowing it to stall. Remove the gas tank fill cap to relieve any residual tank pressure.

4. Disconnect the battery to ensure a safe working environment when handling items within the fuel system.

5. Clean the top of the factory fuel pump assembly (drivers side) to ensure no foreign materials make their way into the fuel tank.

6. Remove the fuel line from the factory fuel pump assembly.(Be sure to clean away or contain any fuel that may have spilled.

7. Remove EVAP lines from passenger hat pump assembly.



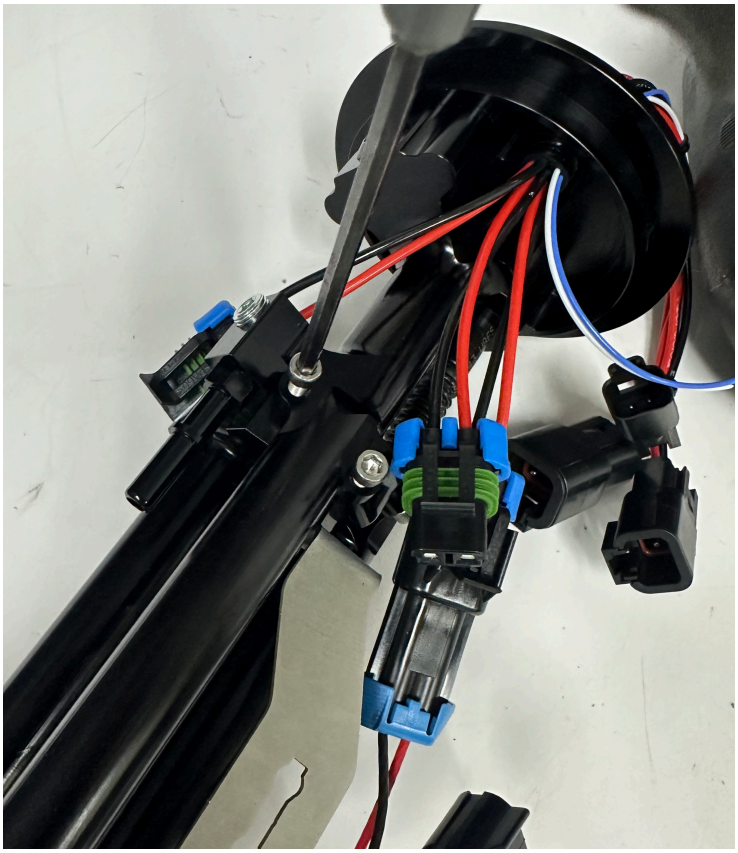
8. Remove the OEM fuel tank lock ring (drivers side). To release the OEM lock ring it is recommended to use the specified fuel tank lock ring tool. The OEM pump assembly is spring-loaded and will pop up as soon as the lock ring is released.

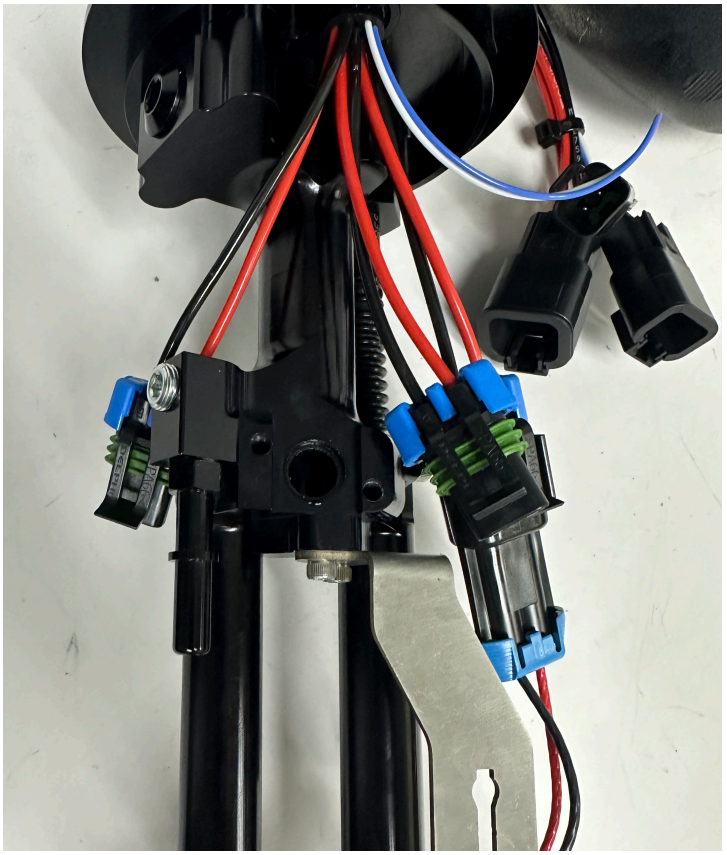
9. Next, disconnect the fuel transfer line on the lower side of the fuel hat (CAUTION: plastic can be brittle!) and start pulling out the assembly. Do not bend or damage the fuel float arm (you will be using this later). TIP: Secure transfer line externally for easy access as you will be using this later.

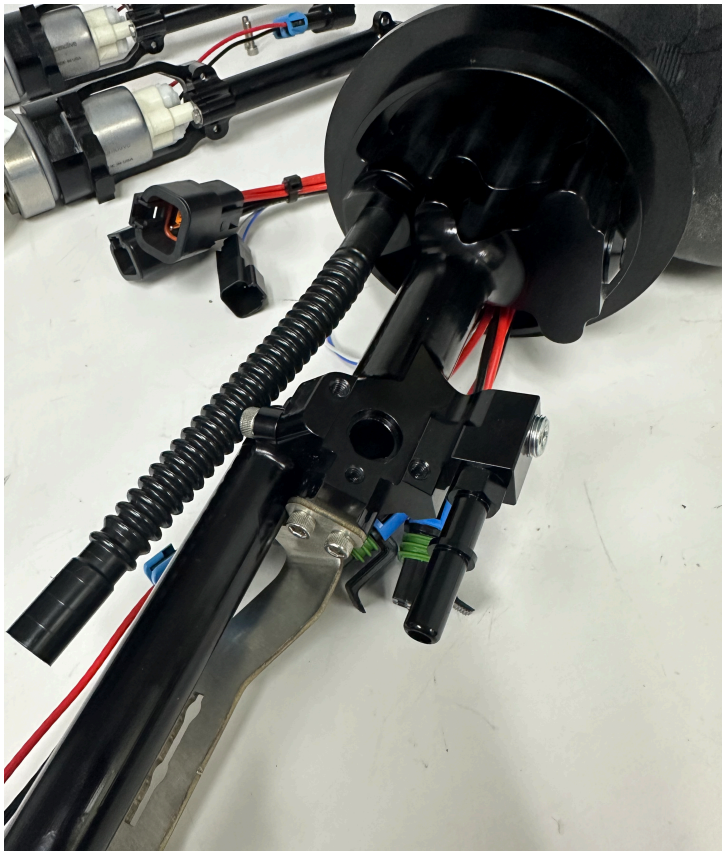
10. Remove the OEM pump assembly and safely drain and contain any residual fuel in the assembly. Inspect the large green seal insuring it is not damaged or compromised.

11. Now that the OEM pump assembly has been removed from the vehicle, we will now remove the level sensor from the assembly itself (ensure you DO NOT bend or damage the unit). Press in the tab on the fuel pump assembly and lift up the sensor to easily remove. The only parts that will be reused are the fuel level sender and the large gasket.

12. Now take your assembled Snow Performance Multi-Pump Fuel Hat assembly and remove two of the three fuel pump hangars. There are two screws per hangar, ensure that you do not lose these or the o-rings.







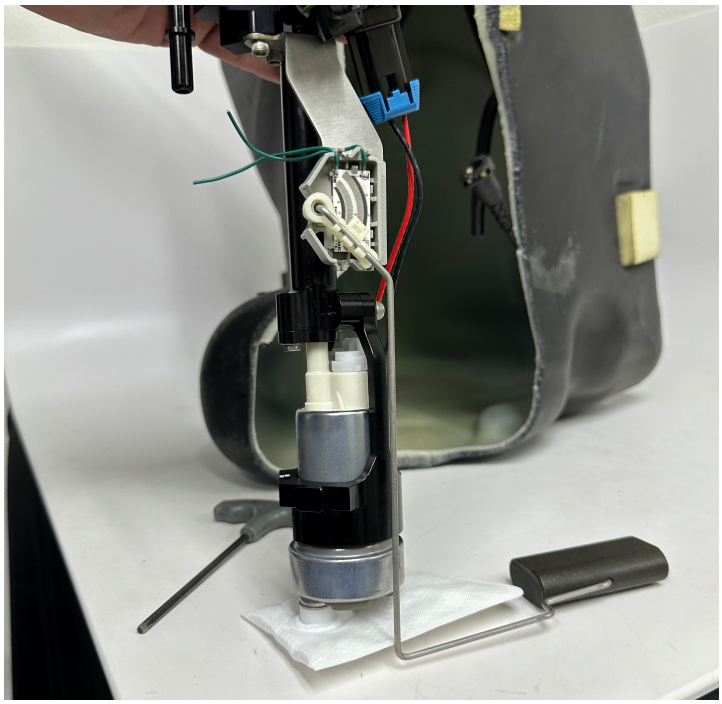
13. Now it's time to reinstall the level sensor.

14. Cut the electrical connector off. Keep as much wire slack as possible, and proceed to strip the wires.

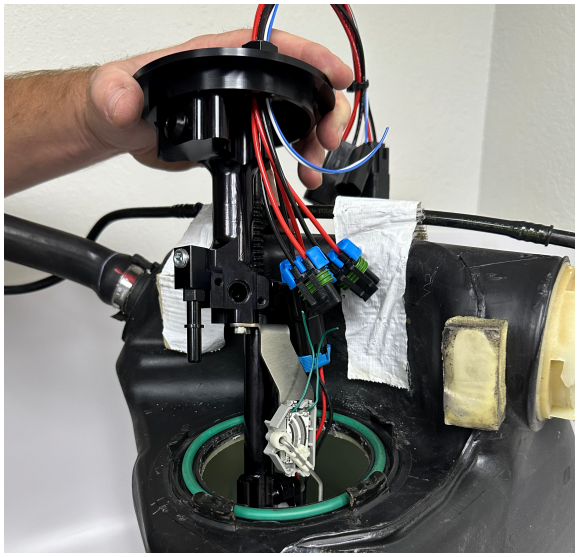
15. Wire polarity is not specific to the level sensor. We will connect the level sensor wires in a fashion similar to its previous state simply by soldering the wires back together and securing the contact with heat shrink. Connect to the White & Blue wires.

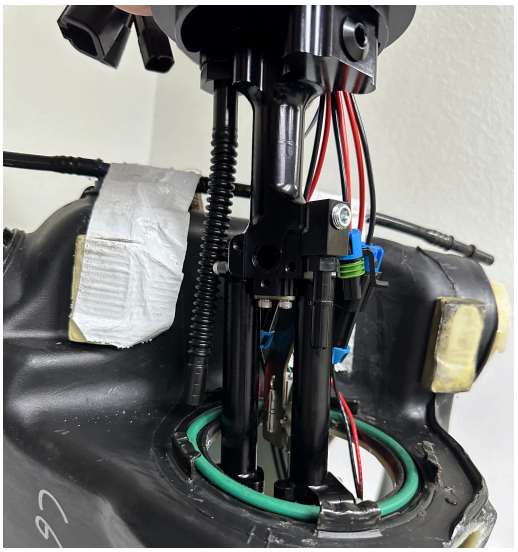
16. Slide the fuel level sensor into the bracket connected to the fuel hat. Press down until sensor clicks into place.

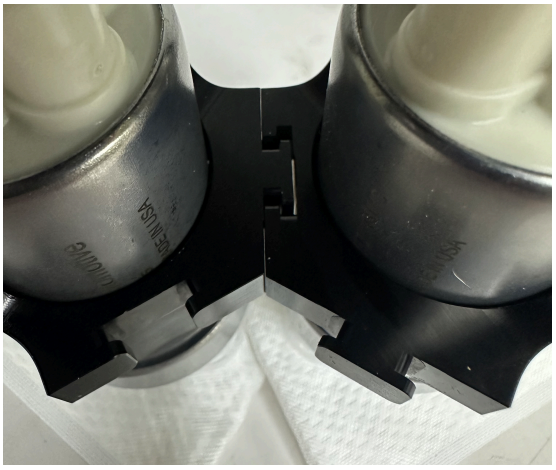
17. If you removed the green O-ring gasket, reinstall it into the recessed area.



18. Tilt the assembly so the fuel level float fits into the tank. While holding the fuel hat slightly out of the tank, re-install the fuel pump hangars one at a time.





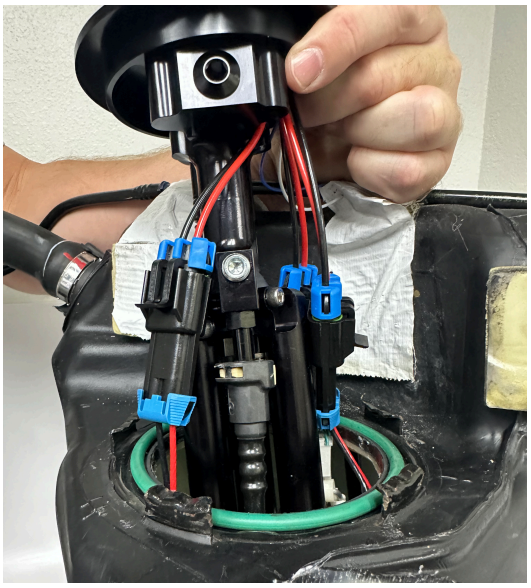


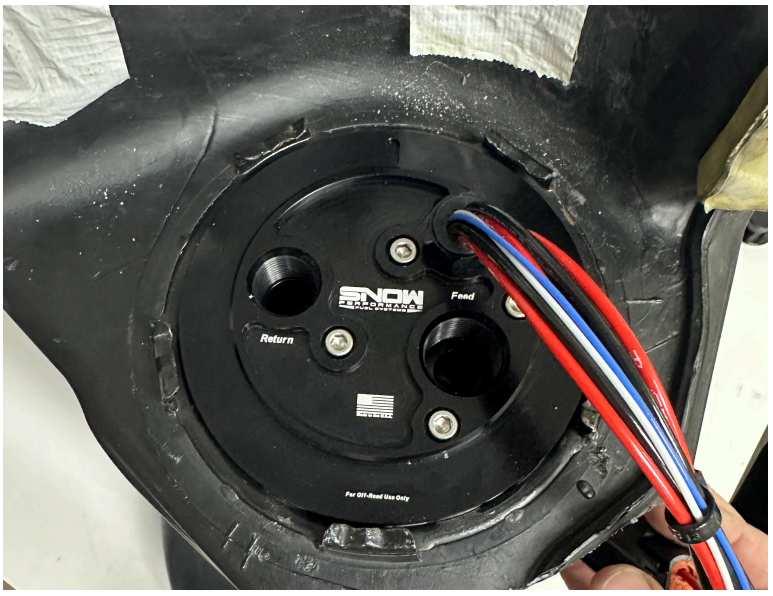
TIP: When installing the fuel pump hangars, ensure that the tabs around the pump bases "lock" together.

19. Re-connect the fuel transfer line, that you secured earlier, to the Snow Performance fitting and ensure that it clicks into place

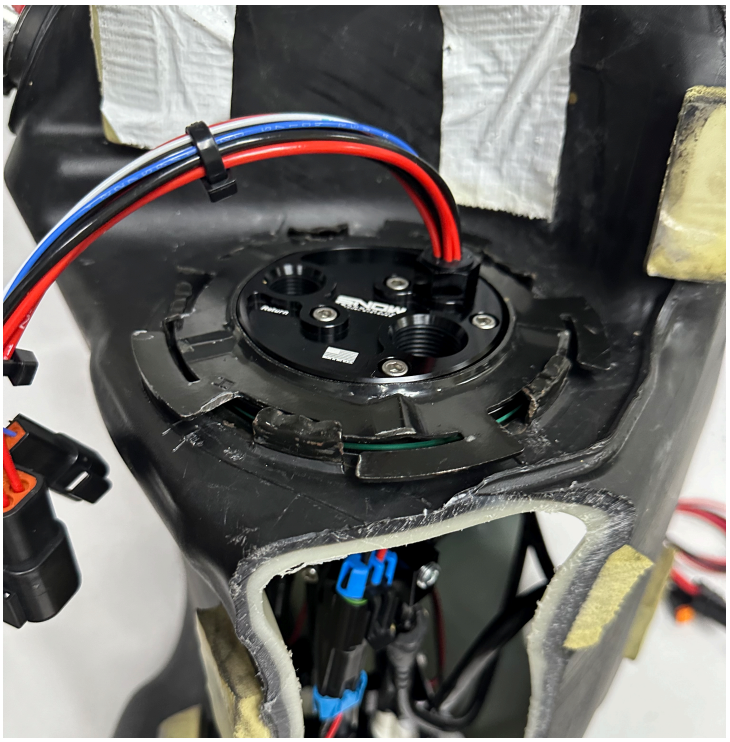
20. Carefully lower the fuel pump assembly until the top hat fully seats onto the gas tank opening. NOTE: It is normal to have a slight interference with the fuel level sensor. Gently push the sensor inward when sliding the fuel level sensor past the tank opening.
NOTE: When lowering the assembly into the tank ensure that the fuel float is completely unobstructed by the transfer line sitting in the bottom of the tank (this is NOT the transfer line we took off and re-installed earlier).

21. For proper orientation use the locator groove on the fuel hat as shown in the picture. (The groove points towards the front of the vehicle. There is one tab on the lip of the fuel hat directly underneath the locator groove. This tab should interlock with the groove on the tank.)

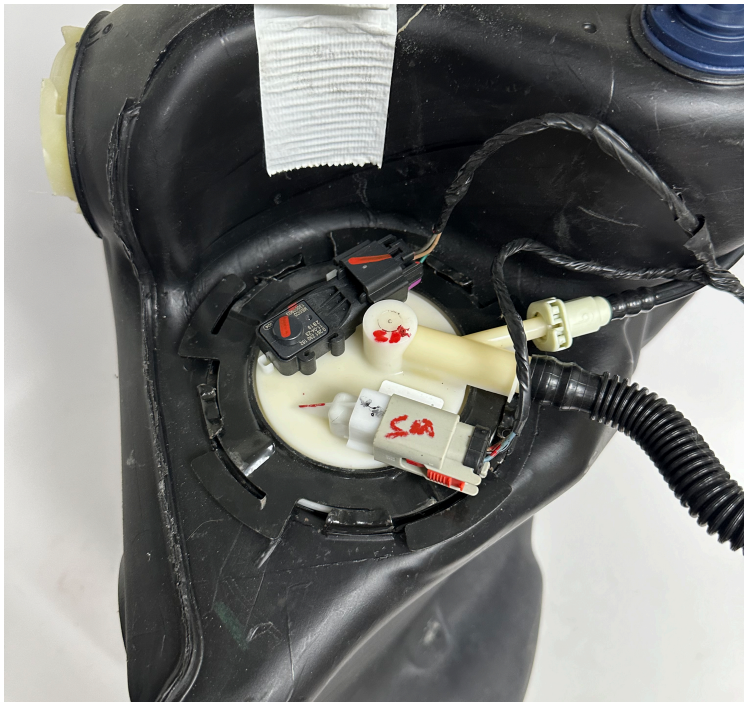




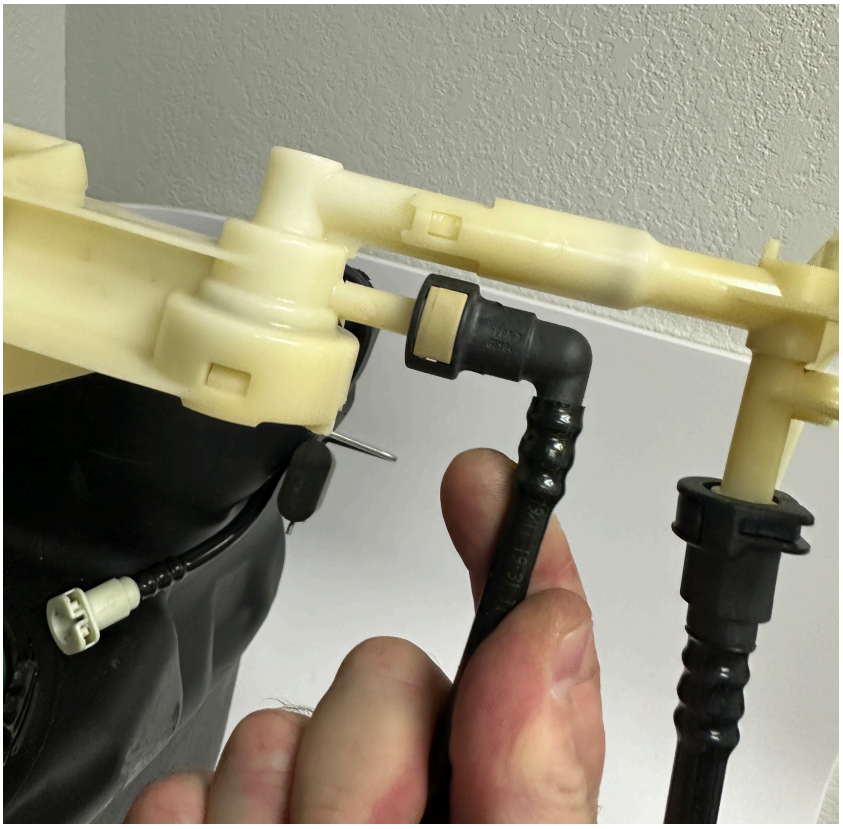
22.Using the proper tool and socket wrench, reinstall the lock ring.



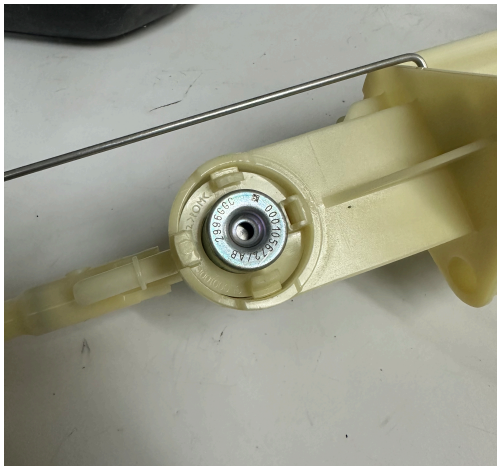
23. Proceed to the transfer pump on the passenger side tank. **Follow steps 6-12**

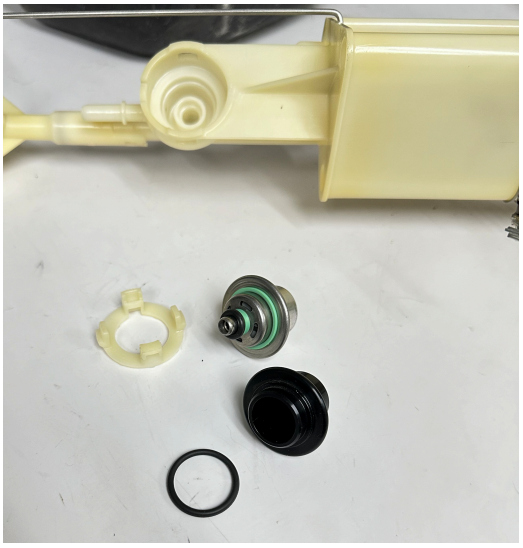


24. Remove the transfer pump assembly (CAUTION: plastic fuel fittings are brittle!). Once removed disconnect the fuel transfer lines.

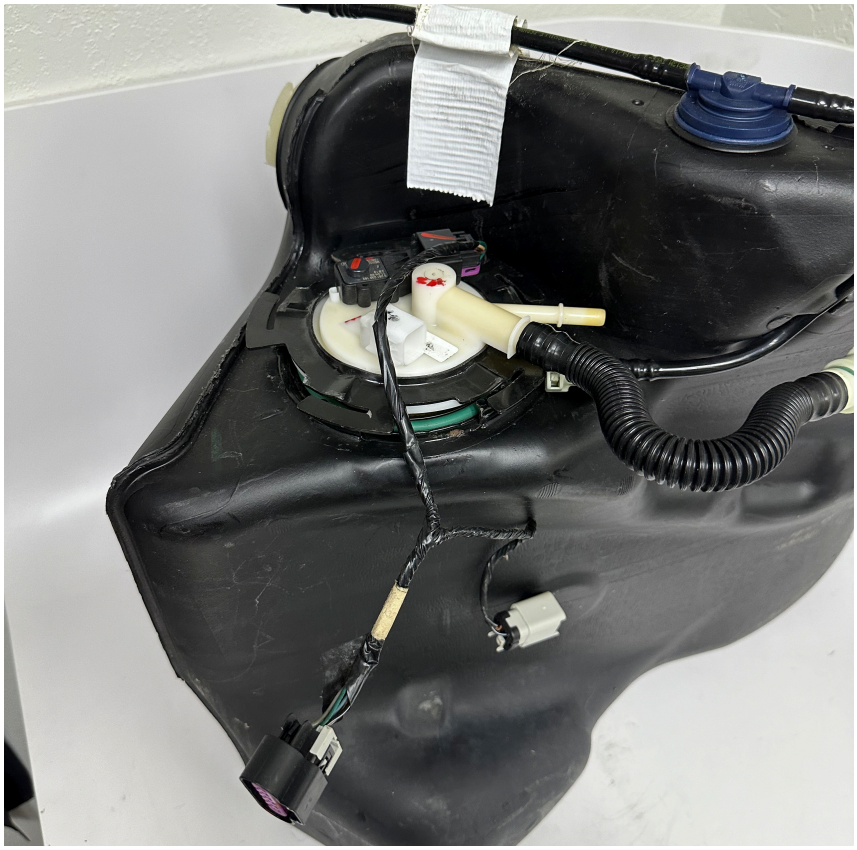


25. Remove the small regulator located in the bottom of the transfer pump. Reusing the larger black o-ring from the regulator, install the included regulator blockoff.

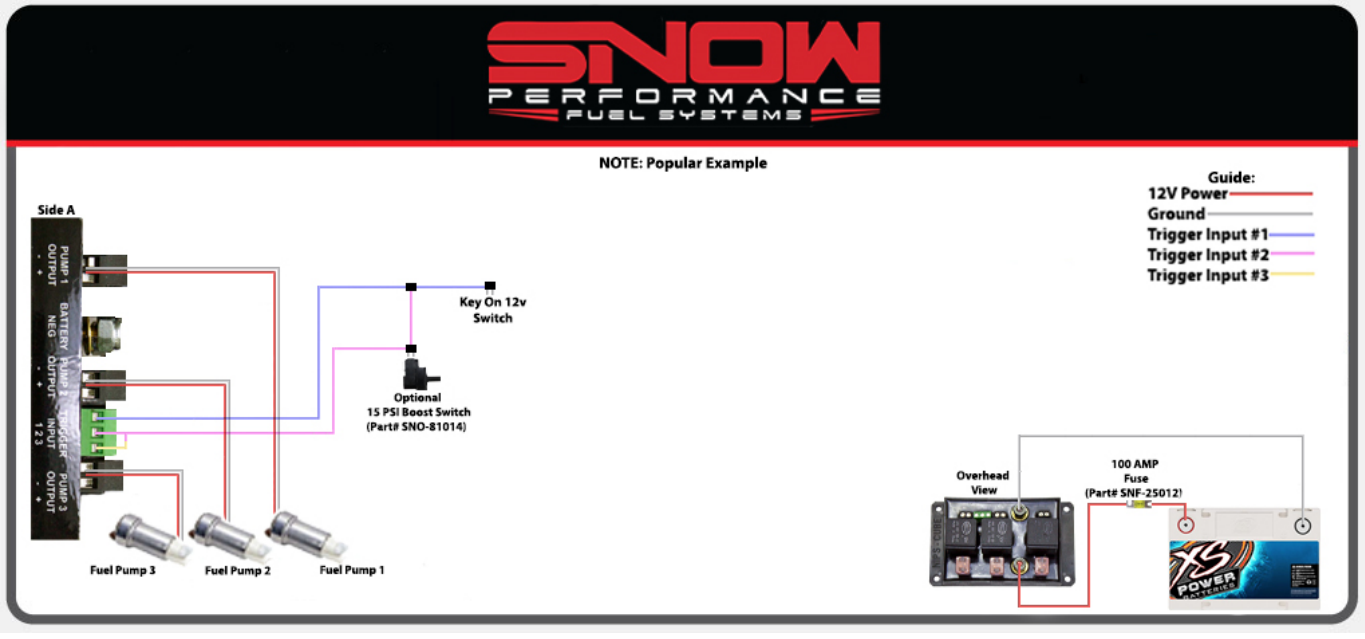




26. Re-connect fuel transfer lines and re-install the transfer pump assembly. Using the proper tool and socket wrench, reinstall the lock ring, as well as all other Fuel and EVAP lines.



Proceed with wiring using the diagram below as reference. This representation is most accurately used with our Multi-Pump Relay Module (Part# SNF*-20003).



27. Reconnect the battery and turn the ignition key to the ON position. Confirm the new fuel pump(s) prime for a few seconds and inspect the car for leaks. If no leaks are found, start the vehicle. The engine may run rough for a few seconds until all the air is bled from the fuel system. **You have officially completed the installation!**

Popular Routing Example: