



**2014-2019 C7 Corvette
Multi-Pump Fuel Hat
Part# SNF-52150**



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.

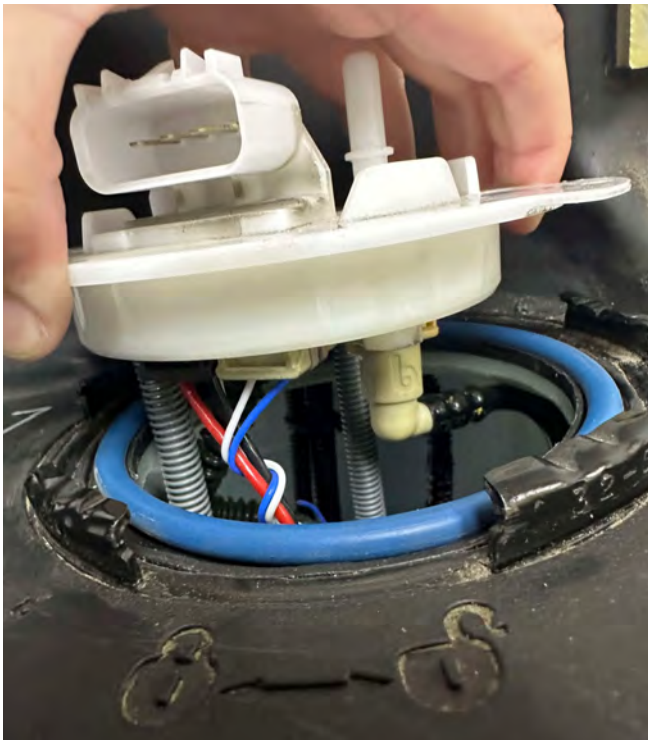
Installation:

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



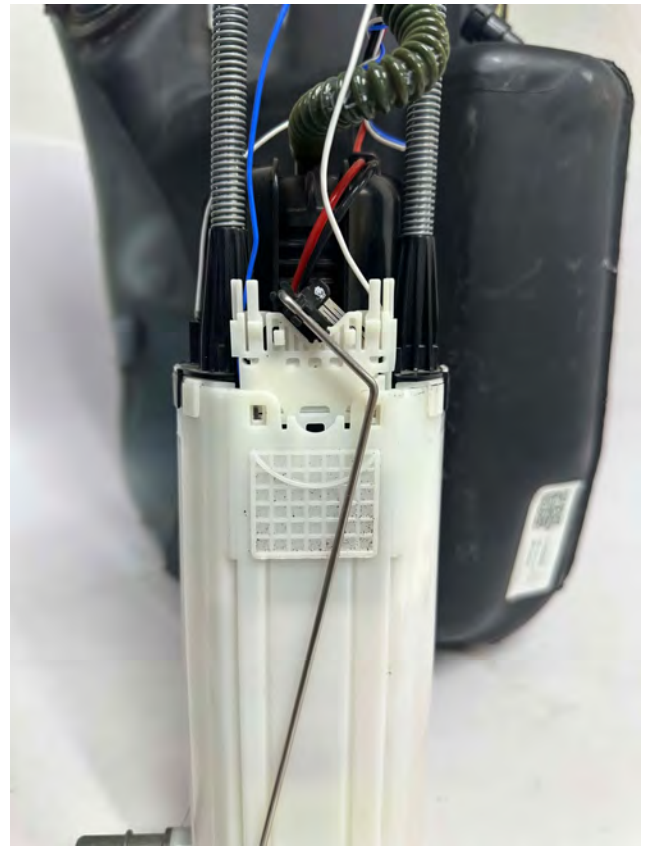
7. Remove the OEM fuel tank lock ring (drivers side). To release the OEM lock ring it is recommended to use the specified fuel tank lock ring tool. The OEM pump assembly is spring-loaded and will pop up as soon as the lock ring is released.

8. Next, disconnect the top line (EVAP) and lower bottom line (transfer) from 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.

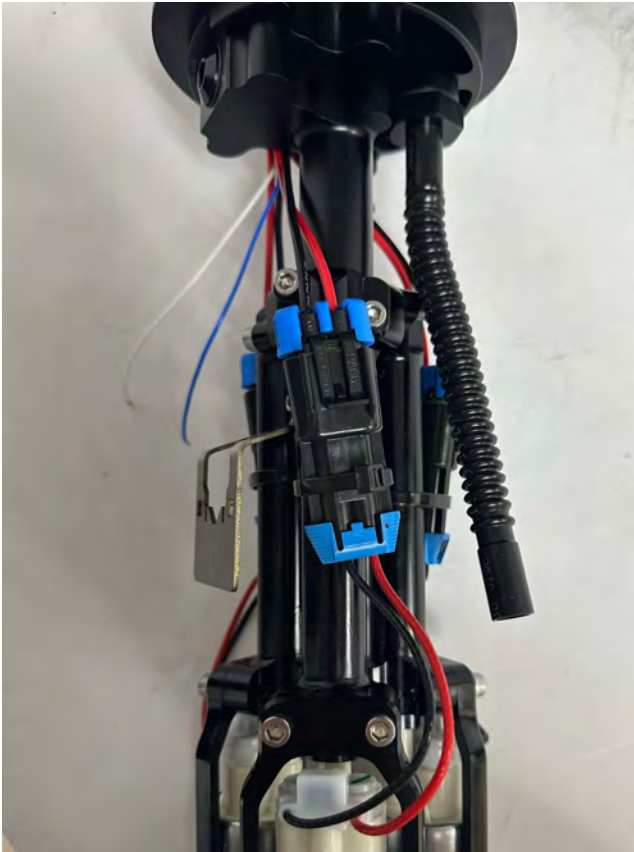


9. Remove the OEM pump assembly and safely drain and contain any residual fuel in the assembly. Inspect the large blue seal insuring it is not damaged or compromised.

10. 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.



11. 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.



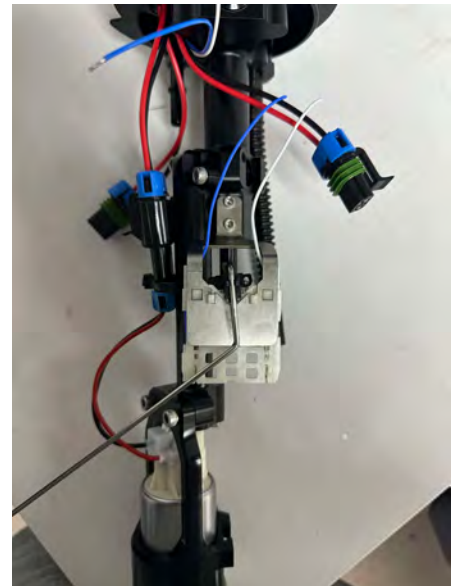
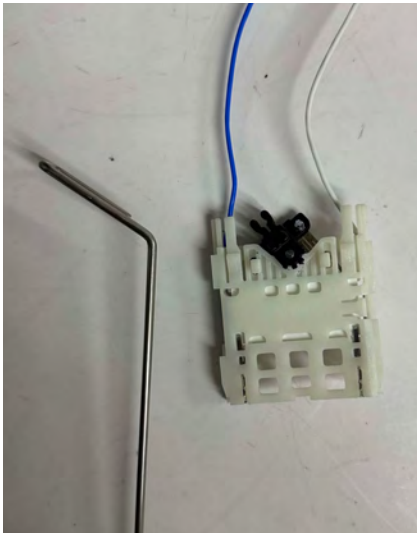
12. Now it's time to reinstall the level sensor.

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

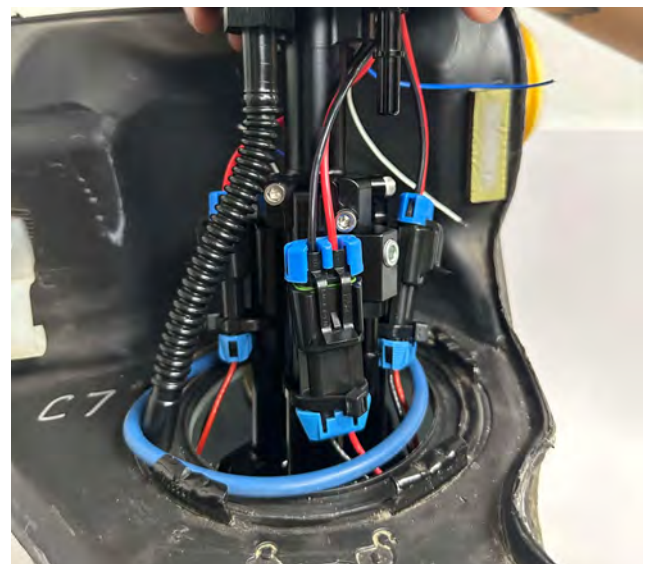
14. Wire polarity is not specific to the level sensor. We will solder and heat shrink the sensor wires to the white and blue wire on the Snow Performance Assembly.

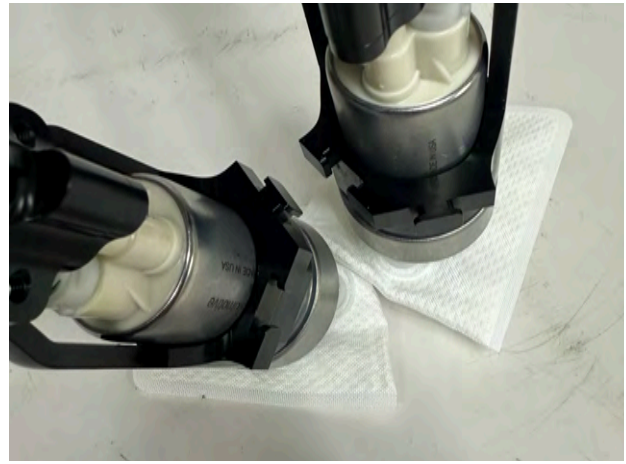
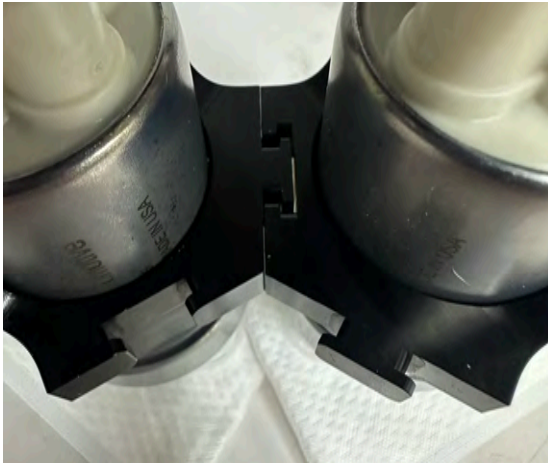
15. Unhook the fuel float from the level sensor, be careful not to bend it. Now slide the fuel level sensor into the bracket connected to the fuel hat. Press down until sensor clicks into place. Re-install the fuel float.

16. If you removed the blue O-ring gasket, reinstall it into the recessed area.



17. 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.

18. Re-connect the fuel transfer line to the bigger port fitting just above the pumps. Lower assembly and reconnect the EVAP line to the smaller port fitting just under the hat top. Ensure that they click into place.

19. 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 lines sitting in the bottom of the tank.

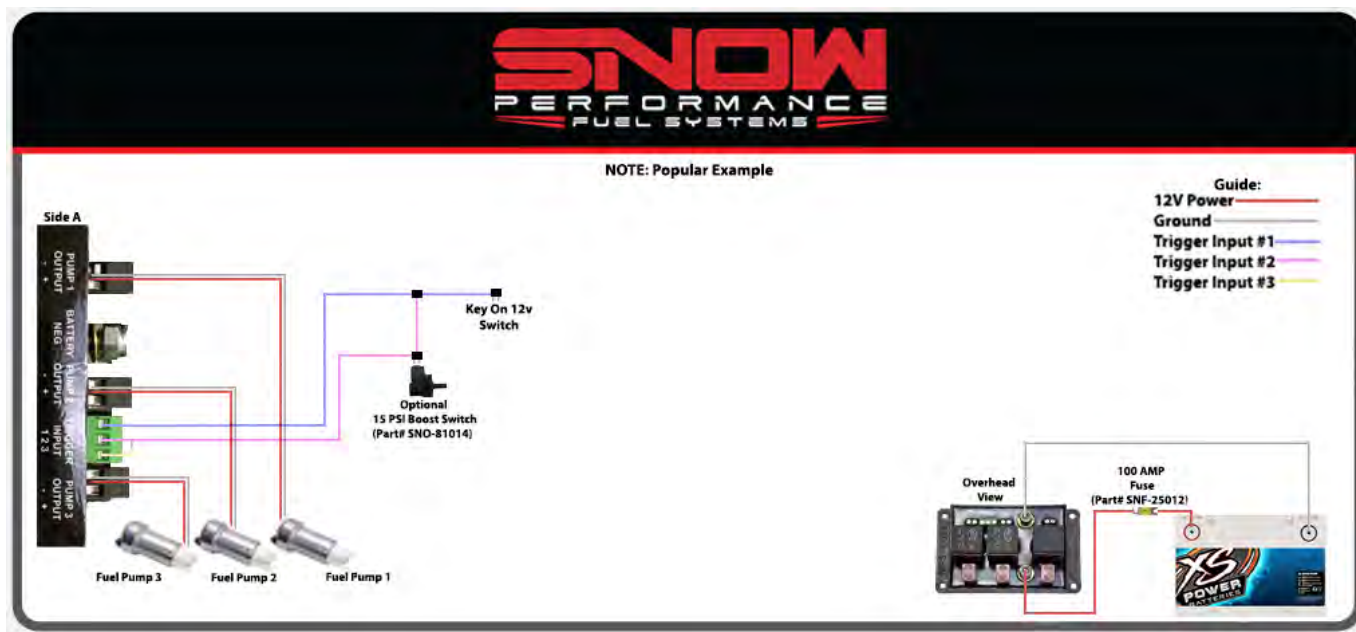
20. For proper orientation use the locator tab on the fuel hat as shown in the picture.



21. Reconnect the EVAP fitting to the port on top of the fuel hat. Using the proper tool and socket wrench, reinstall the lock ring.



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



23. 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:

