

SVE Coyote Swap Fuel System

Use caution when working with fuel system components. Flame and inhalation hazards can occur. Work in a well ventilated area free from static electricity, heat sources, and open flame. Personal injury, property damage, and/or death can occur when working with caustic materials like gasoline.

Parts Included:

- (3) Aeromotive -6AN O-Ring Fuel Regulator Fittings
- (1) 4FT -6AN PTFE Stainless Steel Braided Line
- (1) 3FT -6AN PTFE Stainless Steel Braided Line
- (1) 14FT -6AN PTFE Stainless Steel Return Line
- (1) 16FT -6AN PTFE Stainless Steel Supply Line
- (1) Fuel Pump Bracket
- (1) Aeromotive 340 LPH Fuel Pump
- (1) Aeromotive Fuel Pressure Regulator
- (1) -6AN Fuel Rail Adapter
- (1) Fuel Filter
- (1) 1/4" to -6AN Fitting
- (3) 3/8" to -6AN Fitting

Installation:

1. Install Aeromotive fuel pump to fuel pump hanger per manufacture installation recommendations.
2. Install 1/4" to -6AN quick fitting to the return port on the fuel pump hanger.
3. Install 3/8" to -6AN fitting to the fuel supply port on the fuel pump hanger.
4. Attach and tighten 3FT -6AN hose assembly to the 3/8" to -6AN fuel supply fitting on the fuel pump bracket.
5. Attach and tighten 16FT -6AN hose assembly to the 1/4" to -6AN fuel return fitting on the fuel pump bracket.
6. Install fuel pump hanger/fuel pump combination into your fuel tank per manufacture specifications.
7. Attach 2 remaining 3/8" to -6AN fitting to supplied fuel filter assembly
8. Install fuel filter assembly into factory fuel pump bracket. Tighten fuel filter into place with factory worm gear clamp.
9. Route 3FT -6AN line and attach to fuel filter assembly. Use caution when attaching the fuel supply line to the fuel filter. Make sure the fuel flow is flowing in the right direction on the fuel filter. There is a guide arrow on the fuel filter to show the correct direction of flow.
10. On opposite side of fuel filter, attach the supplied 14FT -6AN hose.

11. Route 14FT supply line and 16FT return line from rear of vehicle to front of vehicle. Using the factory routing is best and will prevent having excess hose at either side. ***Use caution to avoid moving mechanical parts and hot exhaust components.***
12. Fuel regulator assembly and hose length is designed to be installed on passenger side fender apron next to apron access plug. Fuel regulator can be installed in other areas, but excess hose length may need to be tied up. Make sure to give yourself ample room to attach fuel lines on all sides of the regulator.
13. Install supplied Aeromotive -6AN O-ring fittings to fuel regulator.
14. Attach 14FT -6AN fuel supply line to either the left or right port of the fuel pressure regulator. You may install the hose on either port. For visual reference, the fuel regulator adjusting screw will be facing up.
15. Attach 16FT -6AN fuel return line to the bottom return port on the fuel pressure regulator.
16. Install -6AN fuel rail adapter to factory fuel rail. If aftermarket fuel rail is used, this part will not be used.
17. Attach 4FT -6AN fuel supply line to regulator. This hose will be attached to the opposite side of the 14FT fuel supply line previously installed onto the fuel pressure regulator.
18. Route 4FT fuel supply line to the fuel rail and attach to -6AN fuel rail fitting.
19. Tie up all lines and be sure that all lines are clear of exhaust and mechanical hazards that may damage hoses.
20. Be sure all fittings are tightened. Pressurize fuel system to make sure there are no leaks in your fuel system.