



Holley P/N	Description
534-203	LS3 & LS7 Hi-Ram Fuel Rail Kit, High Volume, 3/4-16 O-ring Port (AN-8) Connection
534-204	LS1/2/6 Fuel Rail Kit, High Volume, 3/4-16 O-ring Port (AN-8) Connection

INSTALLATION INSTRUCTIONS

FUEL RAIL KIT CONTENTS:

- ❑ 2 – Fuel Rail, High Volume, Configured with 3/4-16 O-ring Ports (AN-8)
- ❑ 4 – 1/4-20 UNC x 1-3/4" Long Socket Head Cap Screws, Zinc Plated, Fuel Rail Mounting
- ❑ 4 – Washer, 1/4 x .50" O.D x .06" Thick, Fuel Rail Mounting
- ❑ 4 – Spacer, 1/4 I.D. x 1/2" O.D. x 3/8" Thick, Fuel Rail Mounting

Installation of the Fuel Rails –

1. Apply a silicone lubricant to the O-ring on the inlet end of fuel injectors and insert the fuel injectors into the ports in the fuel rail. To insert the injector without tearing the O-ring, gently rock the injector in the inlet of the port while applying pressure to insert the injector.
2. Position the injectors to properly orient the wiring plugs, apply silicone lubricant to the injector outlet O-rings, and insert all four injectors into injector bosses in the base intake manifold applying gentle downward pressure on the fuel rail. The proper orientation for the fuel rail is with the logo facing outward.
3. Once the injectors are inserted into the intake manifold, place the 1/4" washers on the 1/4-20 x 1.75 long socket head capscrews.
4. Apply a drop of oil to the socket head cap screws, place the spacers between the fuel rail and the mounting bosses of the manifold, and thread in the socket head capscrews.
5. Tighten the fasteners in two steps - 75 in-lbs for the first step and 130 in-lbs for the second step.
6. Check and make sure the injector is floating on the O-ring. Rotate the injector back and forth to confirm that there is no load on the injector body.
7. The fuel rail is designed to provide enough flow and volume to dampen fuel pressure oscillations and variations at the inlet of the fuel injectors. The fuel rails are machined to receive an adapter fitting for 3/4-16 (AN-8) O-ring port.
 - For power levels below 700-750HP, AN-6 (3/8") plumbing to and from the fuel rails should be sufficient.
 - For power levels above 750HP, AN-8 (1/2") plumbing is recommended.
 - It is always recommended to only use tubular hose ends when a non-straight hose end is required.
 - The best configuration for plumbing the fuel rails is to split from the supply line with a "Y" type distribution block or fitting, then feed into the inlet end of each fuel rail. The hoses from the exit end of each fuel rail would then feed into each inlet port of a fuel pressure regulator with two inlet ports or into another "Y" type distribution block or fitting connecting to a hose leading to the fuel pressure regulator.

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