

## Billet Aluminum Fuel Rail Kit Installation Instructions

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### Billet Aluminum Fuel Rail Kit Installation Instructions

#### General Installation Notes:

Please read these instructions completely before beginning the installation. If you have any questions, please call.

Before beginning the installation, disconnect the negative battery cable and use wheel chocks to block the vehicle's wheels.

We recommend using anti-seize lubricant on all aluminum threads.

All LS Classic Installation Instructions can be found by visiting [www.lokar.com/instructions.html](http://www.lokar.com/instructions.html).

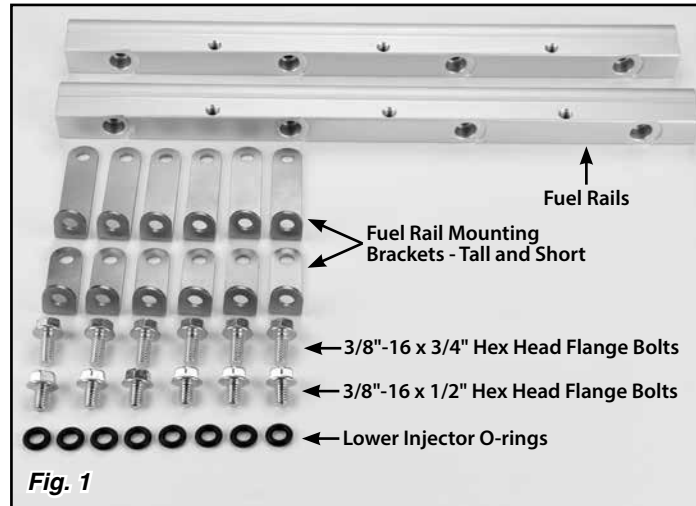
**This fuel rail kit is designed to be used with either LS1 or LS3 injectors (not included). The tall mounting brackets are for LS1 injectors, and the short mounting brackets are for LS3 fuel injectors.**

**The fuel rail inlet and outlet require (3/4"-16) -8AN O-ring style fittings.**

**Refer to Fig. 1 for the component names.**

**Step 1:** If you have not already installed the Holley intake manifold (not included, available separately), install it now, following the instructions provided by Holley. Cover the plenum to prevent anything from falling into the intake manifold.

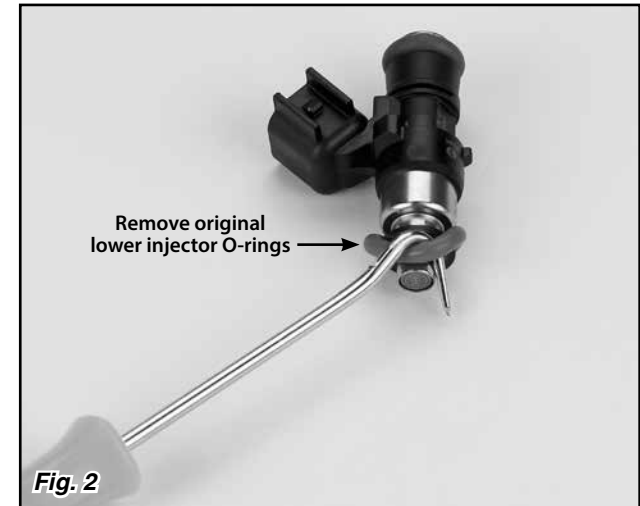
**Step 2:** Remove the lower O-ring seal from each of the fuel injectors, and replace the original lower O-rings with the O-rings provided in the fuel rail kit. You can use a pointed pick to help roll the O-rings off of and onto the fuel injectors, but be careful not to damage any of the new O-rings. **Fig. 2 and Fig. 3**



**Step 3:** Lightly lubricate each of the lower fuel injector O-rings with a lightweight oil, and push each of the fuel injectors into the fuel injector holes on the intake manifold. The electrical connectors on the fuel injectors can either be towards the center of the intake manifold or towards the engine valve covers. **Fig. 4**

**Step 4:** Two sets of mounting brackets are included. The taller brackets are for LS1 injectors, and the shorter brackets are for LS3 injectors. Determine which set of brackets will be used for your application, and discard the other brackets. Loosely install three fuel rail mounting brackets onto each fuel rail using the provided 3/8"-16 x 1/2" hex head flange bolts. **Fig. 5**

**Step 5:** Lightly lubricate each of the top injector O-rings on one side of the intake manifold with a lightweight oil. Position one of the fuel rails above the fuel injectors, making sure the mounting brackets on the fuel rail are towards the center of the intake manifold. Carefully align the fuel rail with the injectors on that side, and push the fuel rail down onto the injectors until all of the fuel injectors on that side are fully seated into the fuel rail. **Fig. 6**



**Step 6:** Attach the fuel rail mounting brackets to the intake manifold by installing the three 3/8"-16 x 3/4" hex head flange bolts. **Fig. 6**

**Step 7:** Repeat the above for the other side of the intake manifold.

**Step 8:** Connect your fuel lines to each of the fuel rails.

**Step 9:** Plug in each of the fuel injectors. When the fuel system is first pressurized, check closely for fuel leaks.

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