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AEM
HI-Flow Fuel Rail
Installation Manual
25-131

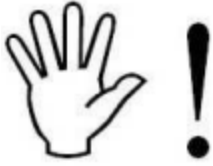


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Legal Restrictions



STOP!

THIS PRODUCT HAS LEGAL RESTRICTIONS.
READ THIS BEFORE INSTALLING/USING!

WARNING! THIS IS A RACE ONLY PRODUCT MANUFACTURED AND SOLD FOR INSTALLATION ON VEHICLES DESIGNED TO BE USED SOLELY FOR COMPETITION PURPOSES. ONCE THIS PART IS INSTALLED, THE VEHICLE MAY NEVER BE USED, OR REGISTERED OR LICENSED FOR USE, ON A PUBLIC ROAD OR HIGHWAY. IF YOU INSTALL THIS PART ON YOUR VEHICLE AND USE THE VEHICLE ON A PUBLIC ROAD OR HIGHWAY, YOU WILL VIOLATE THE CLEAN AIR ACT AND MAY BE SUBJECT TO PERSONAL CIVIL OR CRIMINAL LIABILITY, INCLUDING FINES OF UP TO \$4,819 PER DAY. IT IS THE RESPONSIBILITY OF THE INSTALLER AND/OR USER OF THIS PRODUCT TO ENSURE THAT IT IS USED IN COMPLIANCE WITH ALL APPLICABLE LAWS AND REGULATIONS. IF THIS PRODUCT WAS PURCHASED IN ERROR, DO NOT INSTALL AND/OR USE IT. THE PURCHASER MUST ARRANGE TO RETURN THE PRODUCT FOR A FULL REFUND. THIS POLICY ONLY APPLIES TO INSTALLERS AND/OR USERS WHO ARE LOCATED IN THE UNITED STATES; HOWEVER CUSTOMERS WHO RESIDE IN OTHER COUNTRIES SHOULD ACT IN ACCORDANCE WITH THEIR LOCAL LAWS AND REGULATIONS.

Warning

WARNING!

Improper installation and/or adjustment of this product can result in major engine/vehicle damage. For technical assistance visit our dealer locator to find a professional installer/tuner near you.

Note: AEM holds no responsibility for any engine damage or personal injury that results from the misuse of this product, including but not limited to injury or death.

Introduction

Read and understand these instructions BEFORE attempting to install this product. Do not smoke while working on the fuel system. Keep open flames or sparks away from your work area. Be sure to relieve fuel pressure while engine is off.

Installation

1. Getting Started

- Make sure vehicle is parked on a level surface.
- Set parking brake.
- Disconnect the negative cable from the negative battery terminal.**
- If the engine has run within the past two hours let it cool down.
- Clean area around the fuel rail so that dirt cannot get into the engine.

Note:

- Replace the washer between the service bolt and the special banjo bolt whenever the service bolt is loosened. (where equipped)
- Replace all washers whenever the bolts are removed.
- Replace all cushion rings, seal rings and fuel injector insulators when fuel rail is disassembled.

2. Removal of Stock Fuel Rail

- Loosen the two (2) 6mm bolts securing the fuel supply line to the driver's side end of the stock fuel rail.
- Carefully remove the stock fuel supply line from the rail. Make sure to avoid damaging the factory o-ring, as it will be reused later.
- Loosen the two (2) 6mm bolts securing the fuel pressure regulator to the passenger's side of the stock fuel rail.



- d. Carefully remove the stock fuel pressure regulator from the rail. Make sure to avoid damaging the o-ring as it will be reused later.
 - e. Remove the two (2) 8mm bolts securing the stock fuel rail to the intake manifold.
 - f. Remove the stock fuel rail and injectors.
- 3. Preparation for the Installation of AEM Fuel Rail**
- a. Remove the injectors from the stock fuel rail.
 - b. Remove the stock o-rings from the fuel injectors.
 - c. Clean the injector o-ring area, and install the included injector o-rings.
 - d. Lubricate the injector o-rings, and the injector bores of the AEM fuel rail, and install the injectors, with the injector plugs facing the front of the rail (The side with the AEM logo)
 - e. Install the included 1/8" NPT plug in the front side threaded hole in the AEM Fuel Rail.
- 4. Installation of the AEM Fuel Rail**
- a. Install the AEM Fuel Rail by placing the injectors into the injector seals in the intake manifold with the AEM logo on the fuel rail facing upward.
 - b. Secure the fuel rail to the intake manifold using the factory 8mm bolts.
 - c. Lubricate the fuel pressure regulator o-ring, and the passenger's side fuel rail bore, and carefully install the regulator into the fuel rail.
 - d. Secure the regulator using the original 6mm bolts.
 - e. Lubricate the fuel supply line o-ring, and the driver's side fuel rail bore, and carefully insert the fuel supply line into the driver side of the fuel rail.
 - f. Secure the fuel supply line using the factory 6mm bolts.
- 5. Final Checks**
- a. Before starting the engine, activate the ignition key to the run position 2 or 3 times to prime the fuel system. Check for leaks at the injectors, and ends of the fuel rail.
 - b. Provided there are NO leaks start the engine and re-check for leaks.
 - c. Correct any leaks before driving the vehicle.