AEROMOTIVE
Part # 14105
INSTALLATION INSTRUCTIONS

CAUTION:

Installation of this product requires detailed knowledge of automotive systems and repair procedures. We recommend that this installation be carried out by a qualified automotive technician.

Installation of this product requires handling of gasoline. Ensure you are working in a well ventilated area with an approved fire extinguisher nearby. Extinguish all open flames, prohibit smoking and eliminate all sources of ignition in the area of the vehicle before proceeding with the installation.

When installing this product, wear eye goggles and other safety apparel as needed to protect yourself from debris and sprayed gasoline.

WARNING!

The fuel system is under pressure. Do not open the fuel system until the pressure has been relieved. Refer to the appropriate vehicle service manual for the procedure and precautions for relieving the fuel system pressure.

Aeromotive system components are not legal for sale or use on emission controlled motor vehicles.

<u>This kit contains the following parts</u>:
1ea 14105 Mitsubishi 2.0L Fuel Rail
3ea Mounting Bolts

The following steps are typical of most installations:

1. Once the engine has been allowed to cool, disconnect the negative battery cable and relieve fuel system pressure, referring to the appropriate vehicle service manual for the procedure on doing so.

2. Check for any dirt or debris around the fuel injectors. If any is evident, wash it off with some solvent parts cleaner or wipe it off with a clean shop towel.

3. Disconnect the electrical connector at each injector, making note of the location of each.

4. Disconnect both the supply and return fuel lines from the OEM fuel rails. Place clean shop towels around the open fuel lines to catch any gasoline that may drip out and to prevent any dirt from entering the fuel lines.

5. Remove the vacuum line from the OEM fuel pressure regulator.

6. Remove the 3 mounting bolts that attach the fuel rail to the intake.

7. Place clean shop towels around the injectors to catch any gasoline that may be spilled during their removal. Remove the injectors from the manifold by gently pulling upward on the fuel rail / injector assembly. Keep all injectors connected to the fuel rails. If an injector does pull out of the fuel rail, it may spill a large amount of fuel.

8. Carefully remove the fuel injectors from the OEM fuel rail.

9. Remove the old o-rings from the fuel injectors, inspect the injectors for any dirt or debris and clean if needed. It is suggested that the old o-rings be replaced, contact your local parts store.

10. Coat the new fuel injector o-rings with a light oil to ease installation.

11. Carefully install the new fuel injector o-rings on the injectors.

12. Install the appropriate union fittings and o-rings in each end of the fuel rail, we recommend Aeromotive p/n 15605 for AN-06 or Aeromotive 15607 for AN-08. On the timing cover end of the fuel rail, clearances are tight and typically the use of an AN-08 to AN-06 union, Aeromotive p/n 15605, and 90-deg hose end are required. This hose end must be installed prior to bolting down the fuel rail to the engine.

13. Place a thin coat of light oil in the fuel rail fuel injector bores and in the lower intake manifold injector bores to help prevent cutting the o-rings during installation.

14. Carefully place each of the four fuel injectors in the corresponding fuel injector bore of the Aeromotive fuel rail.

15. Reinstall the phenolic bushing between each of the three mounting brackets on the fuel rail and the engine. After insuring that the injectors are properly seated in the intake manifold injector bores, install the three provided mounting bolts, insuring that the phenolic bushings are properly captured between the fuel rail bracket and the engine.

16. Using an after-market fuel pressure regulator (We recommend Aeromotive 13109 or 13105) and high pressure fuel lines and fittings, plumb the remainder of the fuel system

Ensure that any spilled gasoline and any gasoline soaked shop towels are cleaned up and removed from the vicinity of the vehicle!

17. Reconnect the battery and turn the ignition to the ON position **WITHOUT** starting the car. After several seconds, check the fuel pressure. If there is no fuel pressure, turn the ignition key to the OFF position, wait one minute, return the ignition to the ON position, and recheck the fuel pressure. Repeat this ignition OFF and ON procedure until the fuel pressure gauge registers fuel pressure.

18. **With the fuel pressure gauge registering fuel system pressure, check for fuel leaks from and around all the fuel system components and all fuel lines and connections! If any fuel leaks are found, turn the ignition key to the OFF position, remove any spilled fuel and repair the leak before proceeding!**

19. Once the fuel pressure gauge registers fuel system pressure and there are no fuel leaks, start the engine and adjust the regulator to the desired fuel pressure.

20. Once the desired fuel pressure is achieved, tighten the regulator adjustment jam nut and attach the vacuum line.

21. Turn off the engine and allow it to cool.

22. Test drive the car to insure proper operation and re-check the fuel system for leaks. **If any leaks are found, immediately shutoff the engine and repair the leak(s)!**

Thanks for purchasing another quality product designed, engineered and manufactured in Kansas City, USA!

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AEROMOTIVE, INC. LIMITED WARRANTY

This Aeromotive Product, with proof of purchase dated on or after January 1, 2003, is warranted to be free from defects in materials and workmanship for a period of one year from the original date of purchase. No warranty claim will be valid without authentic, dated proof of purchase.

This warranty is to the original retail purchaser and none other and is available directly from Aeromotive and not through any point of distribution or purchase.

If a defect is suspected, the retail purchaser must contact Aeromotive directly to discuss the problem, possible solutions and obtain a Return Goods Authorization (RGA), if deemed necessary by the company. Please call 913-647-7300 and dial option 3 for the technical service dept. All returns must be shipped freight pre-paid to the company and with valid RGA before they will be processed.

Aeromotive will examine any product returned with the proper authorization to determine if the failure resulted from a defect or from abuse, improper installation, misapplication or alteration. Aeromotive will then, at it's sole discretion, return, repair or replace the product.

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