

# '92-'95 1.6L SOHC VTEC HONDA FUEL RAIL INSTALLATION INSTRUCTIONS

## Tools Required:

- Metric socket set and ratchet
- Extension (optional)
- 5/32", 1/4" Hex keys
- 3/4", 10mm, 22mm Open end wrenches
- Pliers
- Torque wrench
- Blue Loctite 247

**NOTE:** Before beginning installation of the Maxflow fuel rail, it is imperative to ensure that the vehicle's engine is cool to the touch, and that the fuel pressure has been properly relieved.

1. Disconnect the negative (-) battery cable from the battery negative terminal.

**WARNING:** Do not smoke while working on fuel system. Keep open flame away from your work area!

2. Remove the fuel fill cap.
3. Use a box end wrench on the 12mm banjo bolt at the fuel filter while holding the fuel filter with another wrench. Place a rag or shop towel over the banjo bolt and slowly loosen one complete turn.
4. Using a 10mm socket and ratchet, remove the two bolts on top of the stock fuel rail securing the injector wiring harness. Remove the plastic harness from injector wiring loom.
5. Using a 22mm wrench, remove the fuel pulsation damper from the end of the fuel rail, and set it aside. Remove fuel line and all sealing washers. *Note the order of the sealing washers.*

**NOTE:** Replace all of the washers whenever the 12mm banjo bolt is loosened.

6. Disconnect the vacuum signal line from the top of the fuel regulator. Using a 10mm socket and ratchet, remove the bolts holding the fuel regulator to the fuel rail.
7. Disconnect the fuel injector connectors. Remove, and set aside, the three retaining nuts on the backside of the fuel rail that are securing it to the intake manifold. Remove the fuel rail and injectors.
8. Following the diagram (see *Figure 1*), install the plug and fuel line/rail adapter as shown. Remove the fuel rail and injectors.

**NOTE:** Do not remove the three composite spacers located beneath the fuel rail mounting tabs. These are required for proper Vortech rail spacing.

**NOTE:** *The smallest of the three O-rings is to be used for the regulator adapter. Use a small amount of clean engine oil to lubricate the O-rings before installation.*

8. Following the diagram (see *Figure 1*), install the plug and fuel line/rail adapter as shown. Remove the fuel rail and injectors.
9. Install the mounting tabs and regulator adapter onto the fuel rail using the supplied fasteners. A small amount of Blue Loctite 247 is recommended on all fasteners.
10. Using the factory 6mm bolts, attach the regulator to the regulator adapter.
11. Lubricate the injector O-rings and seal rings (on intake manifold) with clean engine oil. To prevent damage to the O-rings, install the injector in the fuel rail first, then install the rail assembly into the intake manifold.

**NOTE:** *Make sure that the factory composite rail spacers are in place on the mounting studs before installing the rail assembly down onto them.*

12. Install and properly torque retainer nuts to 12N/m (8.7lb/ft).
13. Install the fuel line, sealing washers and pulsation damper in the original configuration. Torque the pulsation damper to 22N/m (16lb/ft).
14. Connect the vacuum line and fuel hose to the fuel pressure regulator. Torque the banjo bolt on the fuel filter to 33N/m (25lb/ft) and reconnect the battery. Check to ensure all fittings are tight and all hoses are properly routed and connected.
15. Turn the ignition switch on, but do not operate the starter. After the fuel pump has run for approximately two seconds, the fuel pressure in the fuel line will rise. Repeat this two or three times, then check for any possible fuel leaks.

**Torque specs:**

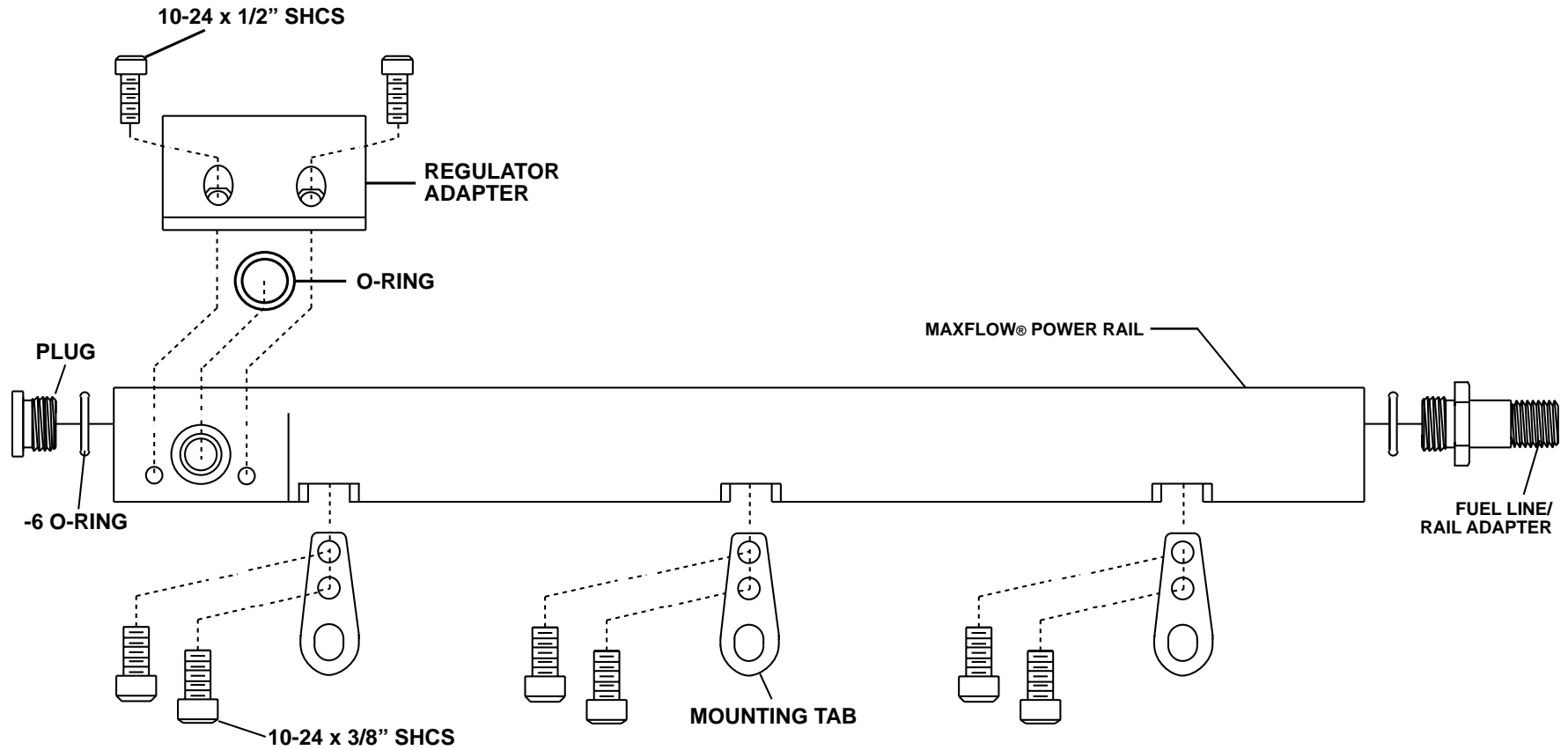
- Mounting tabs and fuel pressure regulator 12N/m (8.7lb/ft) 12N/m, (8.7lb/ft)
- Fuel pulsation damper: 22N/m (16lb/ft)



**ENGINEERING, INC.**

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# HONDA FUEL RAIL ASSEMBLY DIAGRAM ( '92-'95 1.6L SOHC VTEC )



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Figure 1