

**WARNING: DO NOT EXPOSE WORK AREA TO ANY SPARKS OR FIRE. DO NOT SMOKE WHILE OPERATING ON THE FUEL SYSTEM. CLEAN UP ALL FUEL SPILLS IMMEDIATELY. WORK IN A WELL VENTILATED AREA.**

1. Remove the fuel pump fuse and start engine. Allow engine to stall. This relieves pressure in the lines. Replace the fuel pump fuse. Disconnect the battery (shown).

Reference the Factory Service Manual for uninstalling and disassembling the fuel rail.

Remove the fuel rail from the vehicle. It will contain fuel. Drain excess fuel into a safe container for disposal.

NOTE: The 2 OEM mounting bolts and 2 OEM mounting nuts will be reused.



2. Apply a high-strength thread locker to each of the eight small M5 bolts. Using a 4mm Allen hex wrench, secure the 4 mounting feet to the fuel rail exactly as shown.

NOTE: Two of the M5 bolts will use the same threaded hole from each side, as shown.



3. Next, install all fittings into the three 8AN ORB ports of the Radium Engineering fuel rail.

To prevent marring, use an adjustable aluminum wrench to tighten.

**To prevent failure, lubricate all adapter port fitting O-rings.**



4. Follow this step if installing 20-0391-PK or 20-0391-01 (shown).

Remove the short OEM feed hose under the intake manifold. Each end is secured with OEM SAE quick connect fittings.

Install the OEM fuel pulse damper adapter fitting to the rear fuel rail port. Install the 8AN ORB plug to the front port and the 90 degree 6AN fitting to the center port.



5. Thoroughly clean out any dirt or debris found in the intake manifold injector seat bores. **Lubricate each fuel injector's top and bottom O-rings with engine oil.** Fully insert the fuel injectors into the Radium fuel rail injector bores.

Secure the fuel rail onto the intake manifold by hand ensuring all injectors seat properly. Tighten the nuts and bolts using a 10mm socket wrench.

For 20-0391-01 and 20-0391-PK, attach one end of the provided 6AN hose to the center port fitting. Route the hose downwards towards the OEM fuel feed pipe, as shown.



6. For 20-0391-01 and 20-0391-PK, find the included SAE quick connect fitting.

Remove the green retainer clip using a 5/64" Allen wrench. Lubricate the internal O-ring and slide the adapter onto the OEM fuel pipe underneath the intake manifold. Reinstall the green retainer clip, making sure the small hole lines up with the threaded hole in the black fitting. Then install the small stainless steel screw in the small hole and tighten.

As shown, install the opposite end of the provided 6AN hose to this connection. Tighten using 11/16" and 3/4" wrenches.



7. Orientate the fuel injectors such that the electrical connectors do not experience any interference with the surrounding area. Plug in each injector.

When all components and fuel lines are installed, prime the fuel system and check for leaks. Fix as needed. Start the engine. Check again for leaks after the system has reached operating temperature.

**Installation is complete.**

