

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 3 OEM mounting bolts and black isolating spacers will be reused.



2. Apply a high-strength thread locker to each of the six small M5 bolts. Secure the three mounting feet to the fuel rail (as shown) using a 4mm Allen hex wrench.

Next, install all fittings into the four 8AN ORB ports of the Radium Engineering fuel rail. **To prevent failure, lubricate all adapter port fitting O-rings.**



3. Thoroughly clean out any dirt or debris found in the intake manifold injector seat bores.

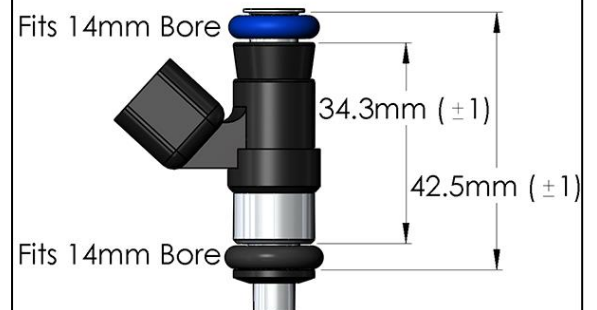
Next, **lubricate the Radium injector seat O-rings with engine oil.**

Press the Radium injector seats down firmly into the 4 intake manifold injector ports until fully seated. If necessary, use a small rubber mallet. Be careful not to damage the O-rings.



4. For proper fitment, the top feed fuel injectors must match the dimensions as shown here.

Lubricate each fuel injector's top and bottom O-rings with engine oil. Fully insert the injectors into the Radium fuel rail bores.



5. Secure the fuel rail onto the intake manifold by hand ensuring all injectors seat properly.

Slip the OEM mounting spacers between the fuel rail mounting feet and the intake manifold bosses.

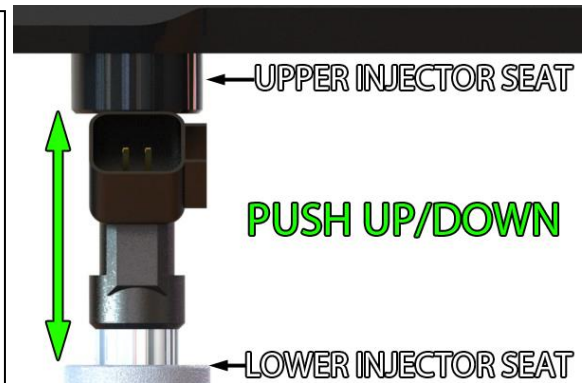
Place the 3 small phenolic washers under the heads of each OEM mounting bolt. Hand tighten and make sure the phenolic washers seat into the shallow grooves on the mounting feet.

Torque bolts to 10 ft-lbs (13.6Nm) using a 12mm socket wrench.



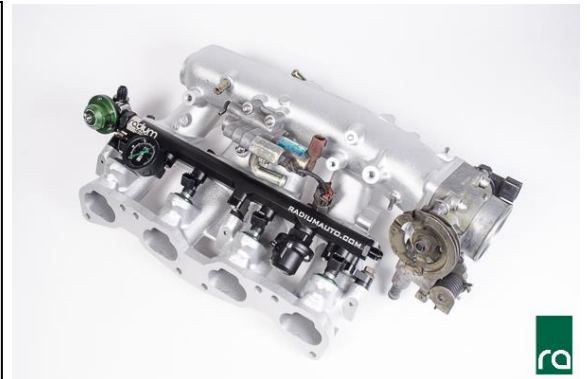
6. As a test, push the fuel injectors downward until they bottom out. Now inspect the injectors' upper O-rings and confirm they are still inserted into the fuel rail injector bores. Do not pressurize the fuel system until the proper height is achieved.

Orientate the fuel injectors such that the electrical connectors do not experience any interference with the surrounding area.



7. At this point, the fuel rail should look similar to what is pictured.

Depending on what fitting is installed in the LH port, there might be tight clearances when installing the OEM throttle body, as depicted.



8. If Nissan wiring harness adapters were included with the purchase of the top feed fuel injectors, install them now per the instructions provided by the manufacturer.

Note: wiring polarity on each injector does not matter.



9. Reminder: This rail does not include a replacement fuel feed or return hose. Check with your installer/tuner for hose plumbing.

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.

