

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. This RB25DET rail is not compatible with the NEO intake which uses a top feed fuel rail.

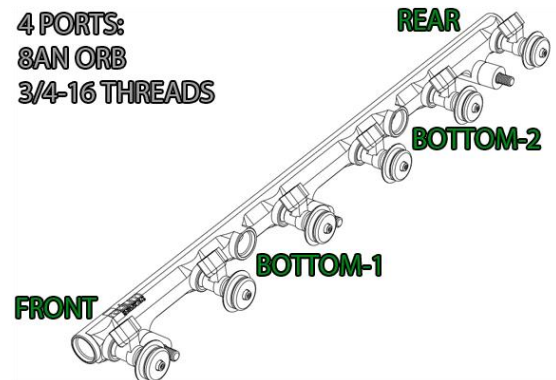
Remove the fuel pump fuse and start engine. Allow engine to stall. This relieves pressure in the lines. Replace the fuel pump fuse. Disconnect the battery's negative terminal.

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 6 rubber fuel injector isolator cushions and all OEM mounting hardware will not be reused.



2. Install all fittings into the four 8AN ORB ports (front, rear, bottom-1, bottom-2) 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.

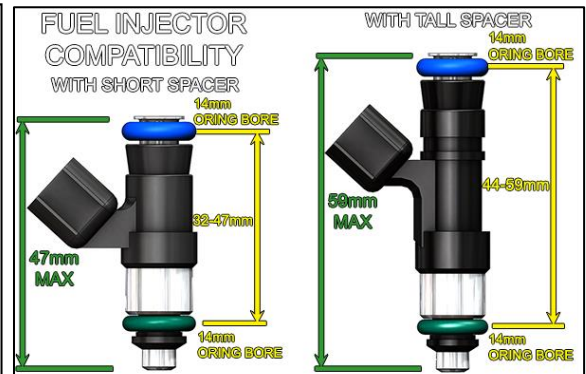
Press the Radium injector seats down firmly into the 6 intake manifold injector ports until fully seated. If necessary, use a small rubber mallet. Be careful not to damage the O-rings.



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

Use the short mounting spacers and bolts for the shorter injectors and the longer spacers and bolts for the taller injectors.

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



5. Insert the small end of the phenolic mounting spacer into the fuel rail mounting boss, as shown.



6. Place the fuel rail on the lower intake manifold. If using the OEM Nissan RB25DET manifold, there is a chance the phenolic spacers may create a slight interference. This is normal and the severity will depend on the machining in the casting. As shown, grinding is typically not necessary. NOTE: This will not be the case with aftermarket intake manifolds.

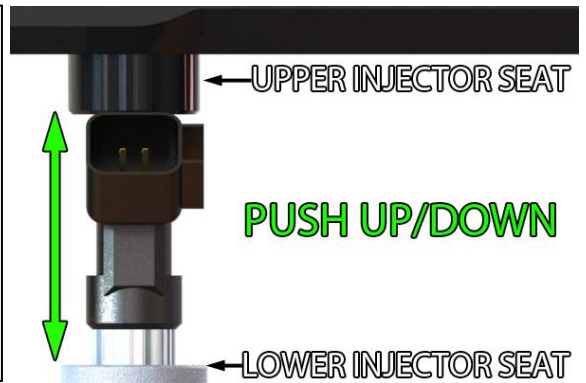
Secure the fuel rail onto the intake manifold, ensuring all injectors seat properly.

Use the small phenolic washers under the heads of each mounting bolt and install the bolts. Torque the included M8 bolts with Phenolic washers to 10 ft-lbs (13.6Nm) using a 6mm Allen wrench.



7. 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.



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 complete

