



NC & RX8 Fuel System Installation Guides

The Mazda NC and RX8 use a returnless system. The V8R fuel kit is designed to use the stock pressure regulator which provides a constant 60psi to the fuel rail, and pairs well with the LSx and LFX.

We recommend draining the tank before beginning. The OEM fuel lines and filter can be removed from the chassis. Remove the sending unit from the tank. The pump provided with the kit is a direct drop-in replacement. To access the OEM pump remove the assemble like pictured below:



The regulator can be seen on the side of the fuel pump housing assembly. Install the new pump and sock and reconnect the OEM supply line. Reinstall the sending unit.

The supply/outlet port of the sending unit should be fitted with the supplied EFI screw-on back fitting. Be sure to confirm that the fitting is properly seated. The short line in the kit is run from the sending unit to the filter. Filter placement is determined by the end-user based on their needs and other items routed under the car. **WARNING – DO NOT RUN FUEL LINES NEED ANY EXHAUST COMPONENTS, OTHER HEAT SOURCES, OR OPEN ELECTRICAL CONNECTIONS!**

The filter is fitted with the two additional EFI screw-on back fittings. The long line is routed to the engine bay. The supply line can be retained using Adel clamps available at any hardware store or by other methods to suit your build.

Use the final EFI screw-on back fitting on the fuel rail to fasten the fuel line.

Before closing the fuel tank cover and before driving check all connections for leaks.

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