



INSTALLATION INSTRUCTIONS

TOYOTA 1UZ-FE NON VVT-I FUEL RAILS

P/Ns: 20-0961

Document: 19-0371

Support: info@radiumauto.com

CAUTION


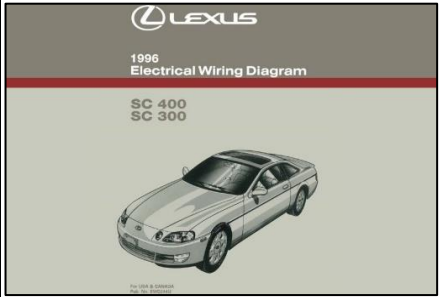


Only a qualified technician following applicable safety procedures should perform the installation of this product. One must have knowledge in repair and modification of fuel systems and general vehicle modifications to install this product.

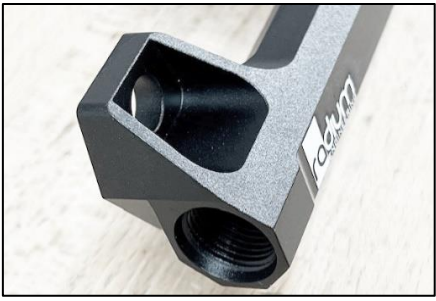





Gasoline and other fuels are flammable and can be explosive.

Only install in a well-ventilated location to minimize buildup of fuel vapors. No sparks, open flames, smoking or other ignition sources are to be present. Draining and removal of all fuel from the fuel system is recommended. Proper eye and personal protection is required at all times during installation.

WARNING

The fuel system is under pressure! Do not loosen any connections until relieving the fuel system pressure. Consult a service manual for instructions on relieving fuel pressure safely. This product is designed for off-highway and racing use only. Fuel system components may not be legal for sale or use on emissions controlled motor vehicles. Consult local, state, and federal laws.

STEP	TOOLS NEEDED	INSTRUCTIONS	PHOTO
1	10mm Socket Wrench	First, be sure to turn OFF the ignition and disconnect the battery.	
		CAUTION: Disconnecting the battery may cancel the fault memories of some control units.	
2		Because of the various vehicles, removal of the fuel lines, fuel rails, and fuel injectors will not be covered. It is recommended to have a factory Workshop Manual.	
3	12mm Socket	After unscrewing the 4 fuel rail mounting bolts, pull up and separate the fuel rails from the intake manifold. NOTE: Leave the 4 factory thermal insulating spacers on the M8x1.25mm studs, as they will be reused.	
4	Rag	When removing the injectors from the fuel rails, have a rag handy.	
		NOTE: These fuel rails are compatible with factory or OEM equivalent fuel injectors.	

5	Oil	Because this will be a custom fuel rail installation, adapter fittings are NOT included. Each fuel rail has three 8AN ORB (3/4"-16) ports. Go to www.radiumauto.com to find an array of compatible adapter fittings, fuel pressure regulators, pulse dampers, etc. that can be used.	
		NOTE: Lubricate the O-rings prior to installation.	
6	Oil	For ease of installation, lubricate the injector O-rings, intake manifold injector seats, and fuel rail injector bores.	
		Fully insert the injectors into the fuel rail bores, as shown.	
7		Confirm all 4 OEM thermal insulating spacers are installed to the intake manifold studs, as shown.	
8	12mm Socket	Line-up and place the fuel rail assemblies onto the intake manifold. Once everything is positioned correctly, push the fuel rails downward to fully seat the injectors. Secure the fuel rail using the OEM M8x1.25mm hex flanged nuts.	
9		Orient the fuel injectors so the connectors can be plugged in.	
10	10mm Wrench	After all the necessary fuel rail plumbing is installed, reconnect the battery. Cycle the keyed ignition switch ON/OFF a few times (without starting the engine). This allows the fuel pump to prime the system. Check for leaks.	
		Start the engine and confirm again while the engine is running.	
		INSTALLATION COMPLETE	