



INSTALLATION INSTRUCTIONS

HONDA 1000 PARALLEL, TWIN UNICAM FUEL RAIL

P/N: 20-1134

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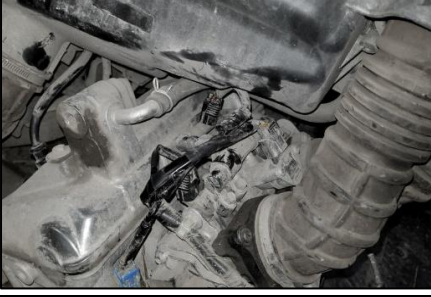
Support: info@radiumauto.com

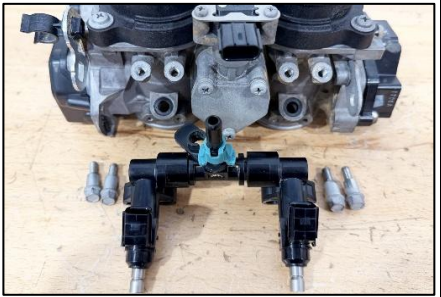
CAUTION

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		Remove the panel directly behind the driver's seat. Find and remove the fuel pump fuse. Turn the vehicle ON. Allow the engine to stall. Turn OFF the ignition.	
2	Screwdriver	Removal of the fuel lines, fuel rail, fuel injectors, etc. will not be covered specifically. It is recommended to have a factory service manual. The battery is located above the rear LH tire. First, unlatch the 3 clips on the cover plate to access the battery. Now disconnect the negative battery terminal.	
3		As shown, UTVs will typically have dirt and mud everywhere. Prior to opening the fuel system, it is recommended to clean the surrounding area with compressed air.	
4	Rag	To unplug the 2 fuel injector connectors, depress the locking thumb tabs (shown) and pull to release. To remove the fuel line, push the SAE quick connector further on and either squeeze the green locks or push the OEM rubber tool (attached to the fuel rail) and pull the connector away to release. Be ready as fuel will leak from this connection.	

5	Screwdriver	Remove the 4 OEM mounting screws. These will NOT be reused.	
	Rag	Carefully pull the fuel rail and injectors from the throttle body.	
		Bring the fuel rail assembly to a clean work bench. Carefully pull each injector from the fuel rail. Have a rag handy.	
6		Adapter fittings are NOT included with the fuel rail. As shown, the optional 20-1134-PK FUEL RAIL PLUMBING KIT includes all the necessary adapter fittings to reuse the OEM fuel line.	
		For custom plumbing installations, the fuel rail has two 3/4"-16 (8AN ORB) end ports. Go to www.radiumauto.com to find an array of compatible adapter fittings, regulators, pulse dampers, etc.	
7	Oil Lubrication	20-1134-PK FUEL RAIL PLUMBING KIT	
	4mm Allen Wrench	Lubricate the O-rings and install the provided 8AN plug and the banjo fitting in the fuel rail ports shown.	
	5/16" Allen Wrench		
8	Oil Lubrication	For the most consistent fuel delivery, an optional fuel pulse damper is recommended. This can be installed into the end port, as shown.	
	7/8" Wrench	(1x) 20-0776 FPD-R, 8AN ORB	
9	Oil Lubrication	The fuel rail is machined to accept 14mm upper injector O-rings making them compatible with popular (34mm) Bosch EV14 injectors.	
		For proper Bosch EV14 injector fitment, simply remove both black O-ring retainers (or pintle cap) from the fuel injector tips.	
10	Oil Lubrication	If the OEM injectors will be reused, install the provided adapters. Simply lube the upper OEM injector O-rings and press the adapters on top, as shown. These convert the 10mm upper injector O-rings to 14mm.	
		NOTE: Do NOT attempt to use these on any other fuel injector.	

11	Oil Lubrication	Lubricate the 2 fuel rail injector bores and the upper injector O-rings and carefully push them together, as shown.	
12	4mm Allen Wrench	Lubricate the lower injector O-rings and the corresponding lower throttle body seats. NOTE: The OEM lower injector gaskets will be reused in both OEM and aftermarket fuel injector scenarios.	
		Lineup the fuel rail assembly to the throttle body housing and press downward to fully seat the injectors. Properly orient the electrical connectors, as shown. Secure the fuel rail using the provided screws.	
		Plug in the fuel injector connectors until they click in place.	
13	Pick	20-1134-PK FUEL RAIL PLUMBING KIT Inspect the condition and clean any debris from the OEM fuel line. Remove the SAE quick connector lock (shown green) from the OEM fuel rail and insert it into the OEM fuel line. Push the OEM fuel line onto the fuel rail inlet port until it clicks in place. Gently give the line a tug to confirm the connection has been made.	
14	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	