



86-89 Suzuki Samurai 1.3L Fuel Pump Pressure Test

Installation Instructions

Notice: Causes of insufficient fuel to the engine.

- Empty fuel tank.
- Plugged in-tank or in-line fuel filter.
- Restricted, kinked or clogged fuel lines.
- Faulty Fuel Pump
 - Leaking from inspection tube
 - Insufficient fuel pressure (Less than 4psi)
- These instructions show how to test for insufficient fuel pressure



CAUTION: Safety glasses should be worn at all times when working with vehicles and related tools and equipment.



DANGER

CAUTION: Gasoline is extremely flammable. Be extra careful to not have a spark or a flame near raw gas.

FLAMMABLE

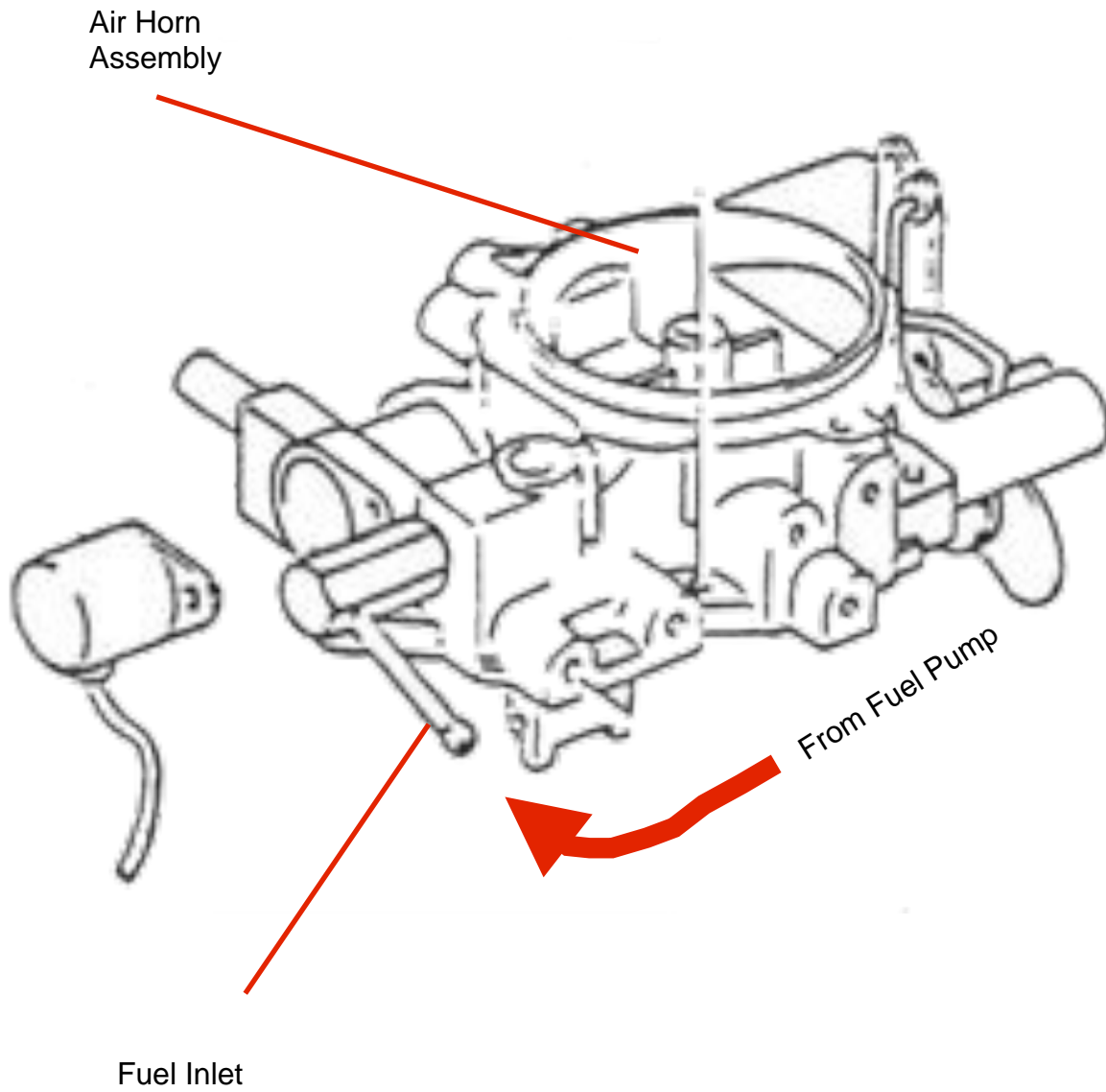
Suggested Tools:

- Standard Screwdriver
- Needle Nose Pliers
- Fuel Pressure Gauge

FOR ADDITIONAL COPIES OF THESE AND OTHER INSTRUCTIONS GO TO:

www.lowrangeoffroad and click on the "INSTRUCTIONS" tab.

Carburetor





Step 1

Release the fuel inlet hose clamp by squeezing it using pliers and slide the clamp back on the hose.



Step 2

Disconnect the fuel inlet hose using long needle nose pliers.

Caution: Do not damage the hose. If the pliers have sharp edges, wrap the jaws with electricians tape for protection.



Step 3

Install the fuel pressure test in the hose and secure the hose with the hose clamp.



Step 4

Have an assistant crank the engine until the needle reaches its highest reading. If the engine starts let it idle until the needle stabilizes and take a reading on the gauge. Record this reading and compare it to the factory specifications. Our test result was a little over 4.5 psi, which is good.

Factory Specifications for a Carbureted Suzuki Samurai is 4 to 4.5 psi. If the pressure is less than 4 psi, the pump is bad and will need replacing.



Tech Tip 4

If the pressure is slow to build it could be the result of a partially plugged fuel filter.

Note: Slow to build means not reaching full pressure until after 6 or 8 need jumps at cranking speed.



Step 5

Disconnect the pressure gauge.



Step 6

Reconnect the inlet hose to the carburetor and secure it with the hose clamp.



Step 7

Start the engine (if the engine is run-able) and check for fuel leaks at the carburetor inlet hose.





As always, If you experience any difficulty during the installation of this product please contact Low Range Off-Road Technical Support at 801-805-6644 M-F during regular store hours. Thank you for purchasing from Low Range Off-Road.



These instructions are designed as a general installation guide. Installation of many Low Range Off-Road products require specialized skills such as metal fabrication, welding and mechanical trouble shooting. If you have any questions or are unsure about how to proceed, please contact our shop at 801-805-6644 or seek help from a competent fabricator. Using fabrication tools such as welders, torches and grinders can cause serious bodily harm and death. Please operate equipment carefully and observe proper safety procedures.

Rock crawling and off-road driving are inherently dangerous activities. Some modifications will adversely affect the on-road handling characteristics of your vehicle. All products sold by Low Range Off-Road are sold for off road use only. Any other use or application is the responsibility of the purchaser and/or user. Some modifications and installation of certain aftermarket parts may under certain circumstances void your original dealer warranty. Modification of your vehicle may create dangerous conditions, which could cause roll-overs resulting in serious bodily injury or death. Buyers and users of these products hereby expressly assume all risks associated with any such modifications and use.

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