

86-95 Suzuki Samurai Fuel Filter Kit (SKU# SER-FPK)

Installation Instructions



Kit Contents

- Filter
- 2 - Fuel Hoses
- Filter Bracket
- Bracket Bolt
- 4 - Hose Clamps

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



Suggested Tools:

- Standard Screwdriver
- Slip-joint Pliers
- 10 mm Socket and Ratchet.
- Drain Pan
- Floor Jack and (2) Safety Stands (Optional)
- Twin Post Lift (Optional)

Fuel System Components

Filter Location: The fuel filter is located ahead of the right rear wheel, just inside the frame.

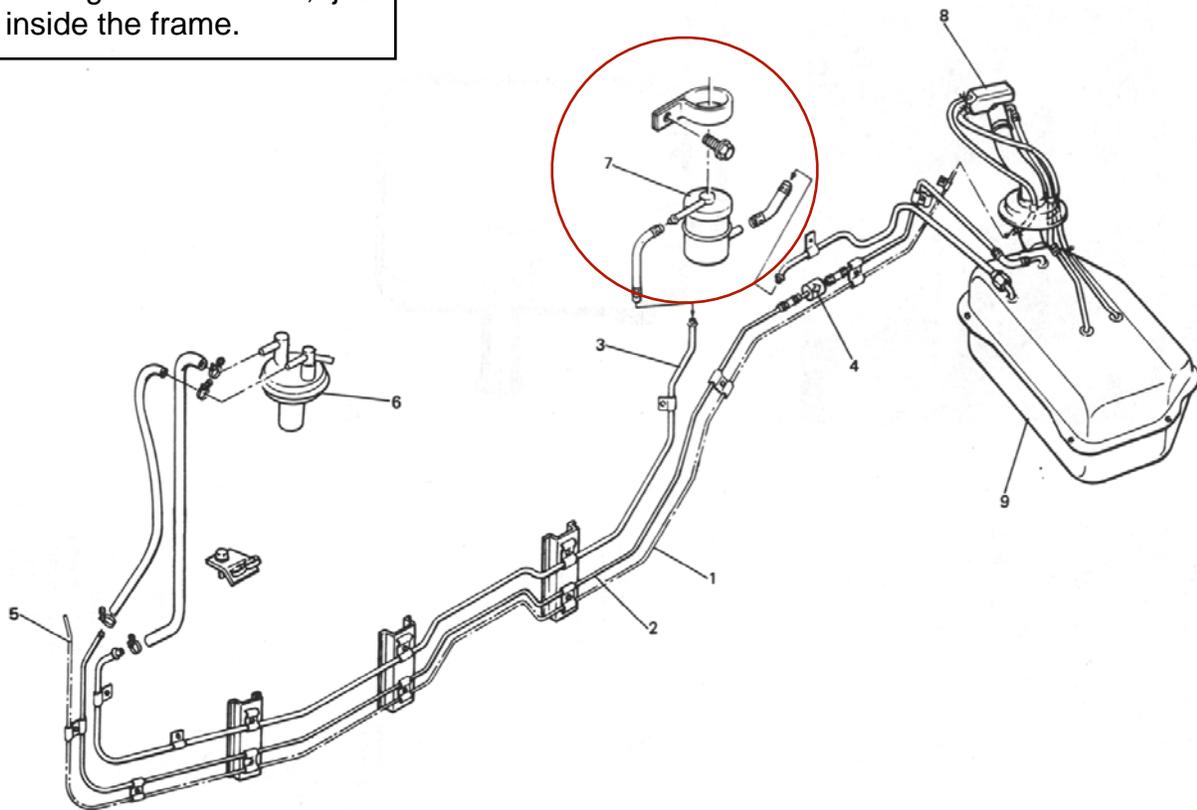
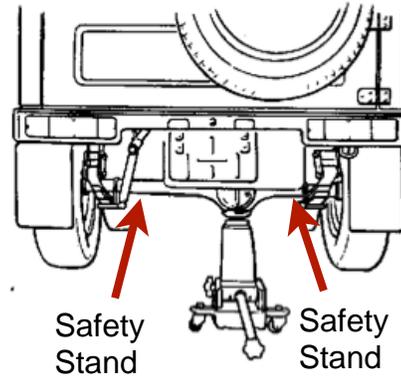


Figure A

- | | |
|---------------------|-------------------|
| 1. Fuel vapor line | 6. Fuel pump |
| 2. Fuel return line | 7. Fuel filter |
| 3. Fuel feed line | 8. Fuel separator |
| 4. Check valve | 9. Fuel tank |
| 5. To canister | |

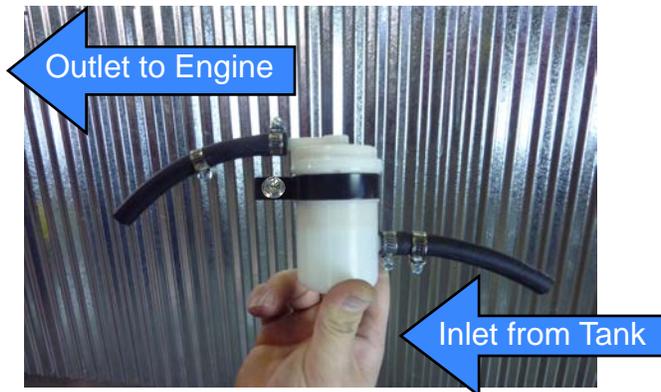


Step 1

This job is easier if the vehicle is placed on safety stands or even better a twin post lift but, could be done right on the ground. Regardless of where you do this job, fuel will come out of the lines and filter. Be sure to protect yourself and especially your eyes. Always wear safety glasses.

Tech Tip:

This shows lift and support points for a floor jack and jack stands. You need only lift the rear of the vehicle.



Long Hose

Short Hose



Step 2

Un-package the new filter and set it up as shown above. Be sure the (2) hose clamps nearest the filter are tight and the other two clamps are snug.

Caution: Do not over-tighten the hose clamps. If the clamp is cutting into the hose it is too tight.

Tech Tip:

The long hose is installed toward the front of the vehicle and the short hose toward the rear.

Note: There is a new mounting bolt supplied with the kit.





Step 3

Place a drain pan under the fuel filter.
Note: The fuel filter is located just ahead of the right rear wheel inside of the frame (See Figure A)



Step 4

Using slip joint pliers, squeeze the tabs of the inlet hose clamp and slide it back on the hose.



Caution:

Fuel will escape when the next step is performed. Be sure to protect your self and especially your eyes. Always wear safety glasses when working with fuel.



Step 5

Slide the hose from the fuel line and quickly direct the hose toward the drain pan. Allow the fuel to drain until it stops.

Note: Most of the fuel that comes out will come from the filter. Very little comes out of the steel fuel line from the tank.





Step 6

Release the outlet hose clamp and slide it back on the hose as shown.



Step 7

Disconnect the outlet hose from the fuel line and let the fuel drain until it stops.

Note: There will not be as much fuel here as there was before.



Step 8

Remove the fuel filter by removing the mounting bolt using a 10 mm socket.



Step 9

Mount the new filter by installing and tightening the bolt supplied with the kit.



Step 10

Connect the inlet hose and secure the clamp using a standard screwdriver.



Step 11

Connect the outlet hose and secure the clamp.



Tech Tip:

Be sure the hoses does not kink. If a hose does kink, you will need to disconnect the hose, cut it a little shorter and reattach it.

Step 12

Start the engine to insure engine runs properly. While the engine running check for leaks around the filter and hose connections. Turn the engine off as soon as possible.

Caution: If you run the engine more than a few seconds and you are in an enclosed area, be sure to vent the exhaust outside. Carbon monoxide poisoning can cause illness and even death.



Step 13

Remove the drain pan, lower the vehicle and put tools and equipment away.

Congratulations:

You have successfully replaced the fuel filter on your Samurai.



Tech Tip:

Remember, always dispose of the gasoline and any other chemicals in accordance with local state and national environmental law.





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 8am-5pm MST. 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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