

INSTRUCTIONS *(continued)*

⚠ WARNING: DO NOT reconnect the battery if any fuel has been spilled on or around the engine or on your skin or clothing. Wait for the fuel to evaporate, wash your hands and change your clothing if necessary. (There should be no odor of fuel present when connecting the battery).

11 RECONNECT THE NEGATIVE BATTERY CABLE.

12 START THE ENGINE AND CHECK FOR LEAKS.

⚠ WARNING: A leaking fuel line could cause a fire under the hood. Always repair a fuel leak before driving. If you detect a strong odor of gasoline or if you can see fuel spraying into the air or leaking onto the engine or ground SHUT OFF THE ENGINE IMMEDIATELY. Attempt to locate the source of the leak. If you do not feel confident that you can repair the leak yourself, **DO NOT DRIVE THE VEHICLE.** Have it towed to your Toyota Dealer Service Department for diagnosis and repair.

13 RECORD THE DATE AND MILEAGE OF THE FUEL FILTER CHANGE IN YOUR SERVICE MAINTENANCE LOG. CHECK THE SCHEDULED MAINTENANCE GUIDE TO ASSURE ALL MAINTENANCE IS PERFORMED AT THE APPROPRIATE TIME FOR THE MILEAGE.

TROUBLESHOOTING

CONDITION	ACTION
Engine runs rough, stalls or will not run:	<p>Check the fuel hoses and lines for cracks, cuts or deterioration – replace as needed.</p> <p>Check the hose clamps or union bolts for tightness.</p> <p>Make sure the fuel filter has not been installed backwards (see illustrations and instructions above).</p> <p>If problems persist, take the vehicle to your Toyota Dealer Service Department for diagnosis and repair.</p>
The “Check Engine” light comes on:	Take the vehicle to your Toyota Dealer Service Department for diagnosis and repair.

REFERENCES

Please refer to the following sources for additional information:

- Your vehicle’s Owner’s Manual
- Your vehicle’s Repair Manual

CAUTION

Moving parts like the fan blade and drive belts, as well as extreme heat in the engine compartment or from the exhaust system can result in serious injury.

- Approach with caution and care.
- Never take shortcuts when replacing parts.
- Improper servicing may damage your Toyota and lead to personal injury.
- Unless you have proper knowledge, equipment and tools, you should have your Toyota Dealer Service Department perform the repairs and maintenance.

IMPORTANT SAFETY NOTICE

Proper installation of Genuine Toyota replacement parts is essential for the safe and reliable operation of your vehicle.

Following these instructions will:

- Help to assure your personal safety
- Assist you in the proper replacement of specific parts

There are many variations in the step-by-step procedures used in installing various parts, and varying skill levels of individuals doing the parts replacement. These instructions cannot anticipate all circumstances or provide advice and caution on each. If you are in doubt concerning your ability to replace the part or have any questions, consult your local Toyota Dealer Service Department and have the work performed by an experienced technician.

For further assistance, contact your Toyota dealer.



Visit our Web site at www.toyota.com
M/N 00405-HOWTO-FFLTR

How To Replace The FUEL FILTER



A GUIDE TO ASSIST YOU
IN THE PROPER REPLACEMENT
OF GENUINE TOYOTA PARTS



DIFFICULTY LEVEL
FROM ONE TO FOUR—FOUR BEING THE MOST DIFFICULT

ESTIMATED TIME INVOLVED



**15-30
MINUTES**

TOOLS AND SUPPLIES

- **Genuine Toyota Fuel Filter**
- **Container to catch fuel**
- **Pliers for carbureted engine fuel filter**
- **12 mm wrench or small adjustable wrench for EFI (Electronic Fuel Injection) engine fuel filter**
- **Eye protection**
- **Disposable gloves**
- **Rag or paper towels**
- **Torque wrench (for EFI engines)**
- **Fire extinguisher with “B” and “C” rating**
- **Container approved for fuel storage (for transporting spilled fuel)**

MODELS AND LOCATION

Engines that use carburetors usually have an easily accessible fuel filter located near the carburetor.

The EFI engine fuel filter can be located on the inner fender panel or deep inside the engine compartment and may require removal of other engine compartment components to reach.

Some newer models have fuel filters that are not serviceable by the do-it-yourself customer. On these models, the fuel filter is integrated with the fuel pump and is located inside the fuel tank.

CAUTION: If you are unable to locate the fuel filter on an EFI engine, please consult your Toyota dealer for assistance.

INSTRUCTIONS

1 ALWAYS REMOVE THE KEYS FROM THE IGNITION WHEN WORKING ON THE VEHICLE. See **CAUTION** on back panel.

▲WARNING: To prevent injuring yourself, allow the engine to cool completely before starting work.

▲WARNING: The fuel filter should be changed in an area with adequate ventilation. Avoid breathing fuel vapors.

▲WARNING: Wear disposable gloves and eye protection. It is also good practice to have a fire extinguisher handy. Do not smoke or place open flames near fuel or fuel vapors.

INSTRUCTIONS (continued)

2 DISCONNECT THE NEGATIVE BATTERY TERMINAL CABLE.

NOTE: On some vehicles, the alarm will sound when the battery is reconnected. Also, clocks and radio station presets will have to be reset after the battery is reconnected (refer to your vehicle's Owner's Manual for instructions).

▲WARNING: Keep your hands and tools away from the fan. Do not lean on the fan housing. If the battery is not disconnected, the fan could automatically come on at any time.



3 PLACE A CONTAINER UNDER THE FUEL FILTER – The container will catch the fuel released when the fuel hoses are disconnected.



FOR ENGINES WITH CARBURETORS

NOTE: EFI see #4 to the right

4 DISCONNECT THE FUEL HOSES – Using pliers, expand each hose clamp and push it back about one inch. Disconnect the inlet hose and then the outlet hose. Use a rag to cover the connection and control the release of fuel.

5 INSPECT THE FUEL HOSES/LINES – Inspect both hoses for cracks, cuts and deterioration. If damaged, replace the hose(s).

6 REMOVE THE FUEL FILTER – Note the position of the inlet and outlet lines.

7 INSTALL A NEW FUEL FILTER – Position the filter with the lines in the same position as the old one.

CAUTION: Be sure that the arrow or the OUT label on the fuel filter is pointed in the direction of the fuel flow to the engine and that the corresponding inlet and outlet hoses are connected to the correct fuel lines.

8 CONNECT THE FUEL HOSES – Connect the outlet hose (fuel filter to carburetor) to the line marked with an arrow (or labeled OUT) on the fuel filter. Connect the inlet hose to the other line.



9 INSTALL THE HOSE CLAMPS – Compress the hose clamps with pliers and install them 1/4” past the lip of the fuel filter lines.

Go to step 10

INSTRUCTIONS (continued)

4 FOR ENGINES WITH EFI DISCONNECT THE FUEL HOSES – Remove the union bolts from both ends of the filter. Support the filter housing with a wrench to avoid damaging the fuel lines or fuel filter mounting.



CAUTION: The EFI fuel system is designed to operate under high pressure. When the union bolts are removed, be prepared for a substantial amount of fuel flow and loss. Wrap a rag around the connection to control the release of fuel. Be sure to avoid fuel contact with the eyes and skin as well as accidentally igniting the fuel vapors.



5 INSPECT THE FUEL HOSES/LINES – Inspect union bolt threading on fuel lines for damage. If damaged, replace the fuel line(s).

6 REMOVE THE FUEL FILTER – Unbolt the old filter from its attachment point.

7 INSTALL A NEW FUEL FILTER – Bolt the new filter in the same position as the old one.

CAUTION: Be sure that the arrow or the OUT label on the fuel filter is pointed in the direction of the fuel flow to the engine and that the corresponding inlet and outlet hoses are connected to the correct fuel lines.

8 CONNECT THE FUEL HOSES – Install two fuel lines with the union bolts using new gaskets supplied with the new fuel filter. Support the filter housing with a wrench to avoid damage. Tighten by hand, and then torque the bolts.

9 TORQUE – see the Repair Manual for specification.

10 FOR ENGINES WITH CARBURETORS AND EFI REMOVE THE CONTAINER AND DISPOSE OF THE FUEL IN A SAFE PLACE TO AVOID CONTAMINATION

▲WARNING: Do not pour fuel onto the ground or into a storm drain or sewer. It is environmentally unsafe and illegal. Fuel vapors can travel at ground level and be ignited by a variety of sources (water heater or furnace pilot light, etc.) many yards away. Put the fuel into a container rated for fuel storage and take it to a service station, recycling center or your Toyota Dealer Service Department for recycling. DO NOT put the fuel back into your gas tank as it may be contaminated. GASOLINE AND ITS VAPORS ARE TOXIC AND HIGHLY FLAMMABLE. Be sure to clean up any fuel that has spilled on your hands, clothes, the vehicle or the ground.