

SECTION 1C

ENGINE FUEL SYSTEM

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CAUTION

The engine of TICO models requires the use of specified fuel(lead or unleaded). Misuse of the specified fuel may result in severe power loss and engine damage. The specified fuel is designated on the fuel filler cap.

GENERAL DESCRIPTION

FUEL SYSTEM(CARBURETOR)

The main components of the fuel system are fuel tank, fuel pump, fuel filter and fuel level gauge, and it includes 3 lines(fuel feed line, fuel return line, fuel vapor line). As for fuel vapor, refer to 1H of "EMISSION CONTROL SYSTEM" of this manual.

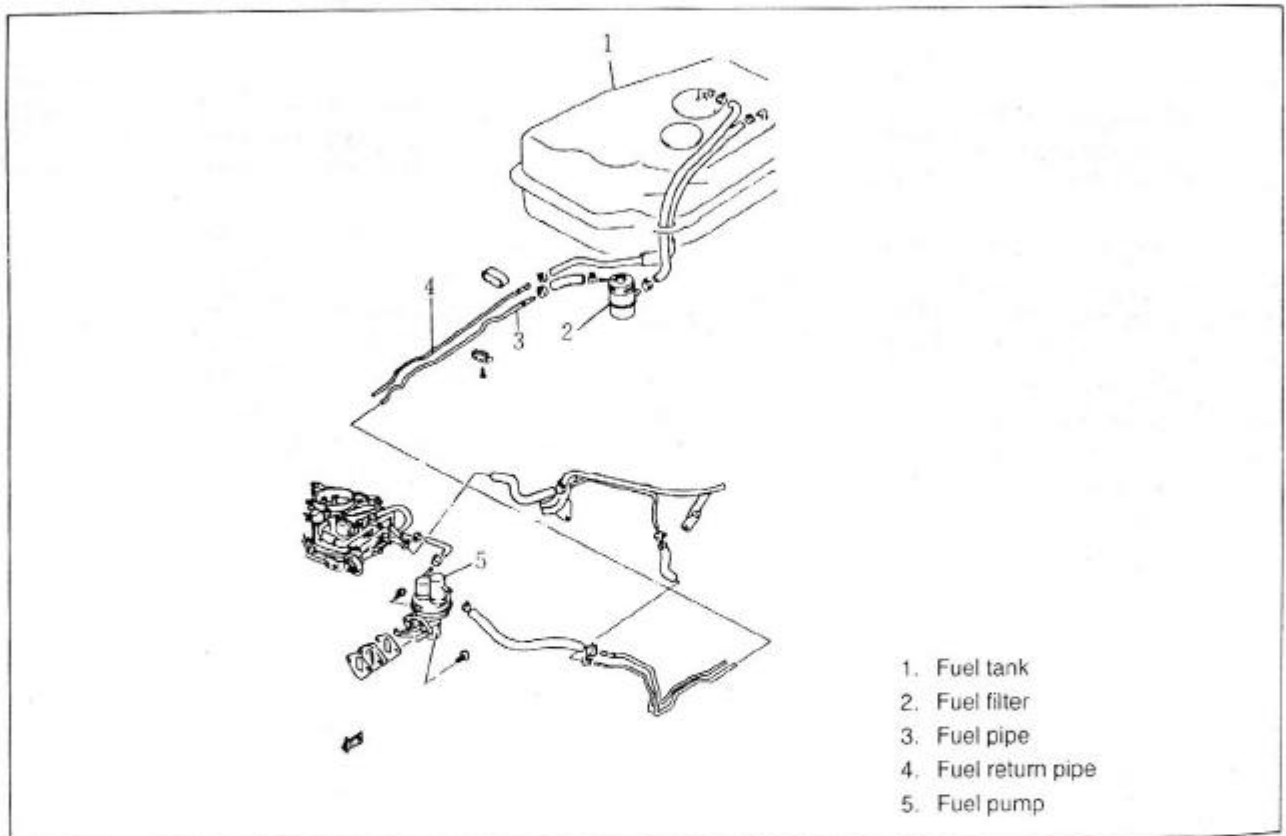
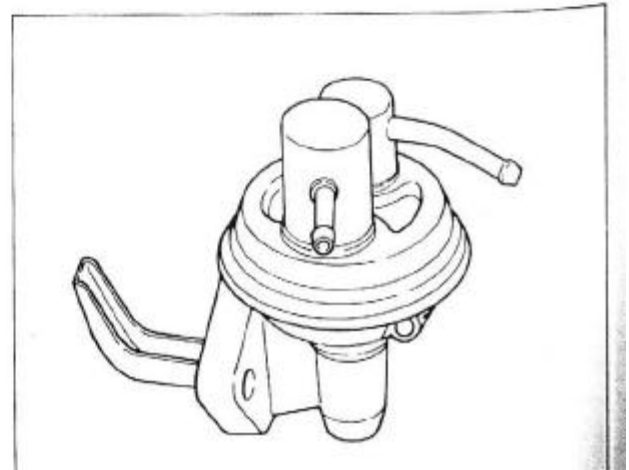


FIG. 1C — 1 FUEL SYSTEM

Fuel Pump

A type of pneumatic diaphragm pump is used. It is actuated by the eccentric cam of camshaft which is installed in the distributor case of cylinder head.



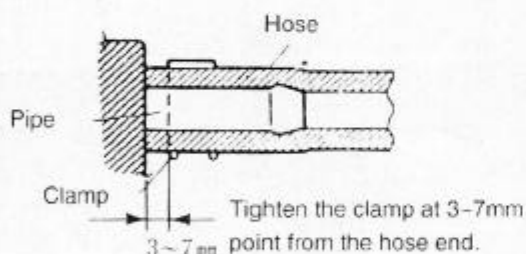
ON-CAR SERVICE

CAUTION

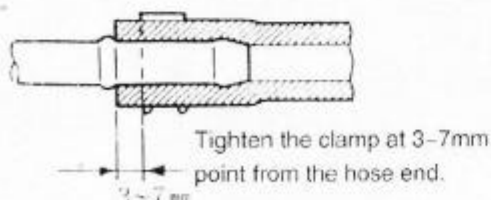
When inspecting fuel system, the following cautions should be always observed.

- Disconnect \ominus terminal from battery.
- Do not smoke.
- Place "NO SMOKING" signs.
- Be sure to have CO₂ fire extinguisher in handy place.
- Work in the place of no fire source (gas heater, etc.) and good ventilation.
- Wear safety goggles.
- Remove line cap from fuel filler neck, and put in the cap after exhausting vapor in the fuel tank.
- Carefully reduce the fuel pressure not to make fuel sprayed out due to the still high pressured fuel line after stopping engine when removing or disconnecting the system.
- Connection of full hoses is different by the kind of pipes. Connect the right hoses as shown in the below figure.

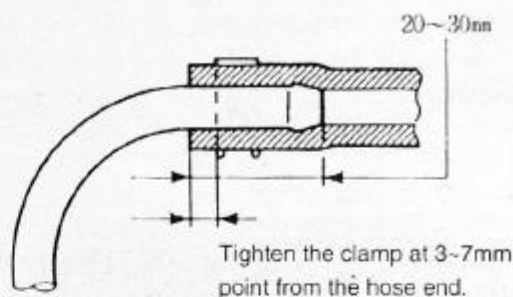
For short pipe, fit hose up to pipe joint.



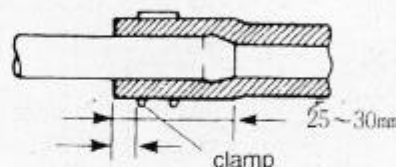
For pipes as shown in the figure below, fit hose up to the lug of pipe.



For bent pipe, fit hose up to the bent part or the joining is overlapped by 20-30mm.



For straight pipe, fit hose with 25-30mm of joining part.



Tighten the clamp at 3-7mm point from the hose end.

FUEL FILTER**Removal**

1. Disconnect \ominus terminal from battery.
2. Remove filter cap from fuel filler neck, and put it in the cap again after exhausting vapor in the fuel tank.
3. Hoist the car body.
4. Put a container under fuel filter.
5. Remove fuel filter from filter bracket.