INSPECTION

1. Check the fuel pump for proper check valve operation.
   (1) Ensure that air continuity exists when blown from the section Ⓐ.
   NOTE:
   Never attempt to suck the section.

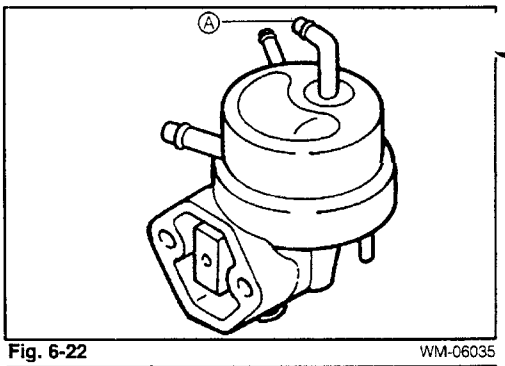


Fig. 6-22 WM-06035

2. Ensure that no air continuity exists when blown from the section Ⓑ.
   NOTE:
   Never attempt to suck the section.

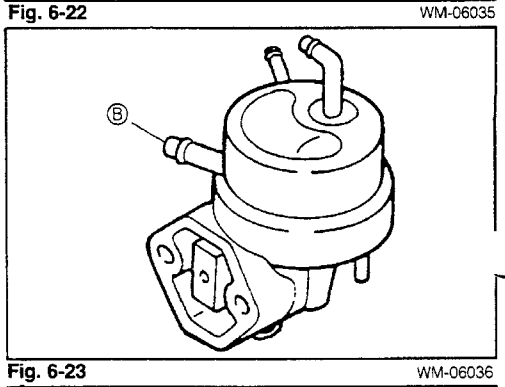


Fig. 6-23 WM-06036

3. Measure the overall length of the push rod.
   Length:
   STD 31.6 - 31.8 mm (1.244 - 1.252 inches)
   Limit 31.1 mm (1.224 inches)

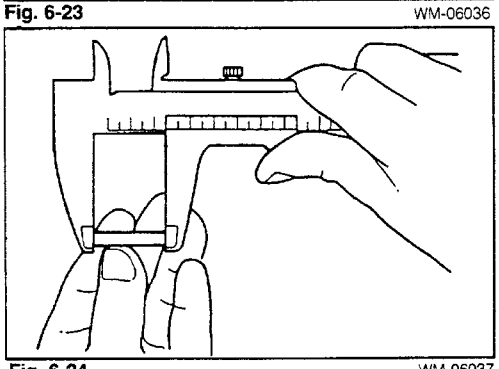


Fig. 6-24 WM-06037

4. Check the fuel pump drive cam for wear.
   (1) Insert a good push rod into the distributor housing.
   (2) Turn the crankshaft two turns (i.e. turn the camshaft one turn). Measure the maximum amount as well as the minimum amount of protrusion between the distributor housing's edge and the tip-end the push rod.

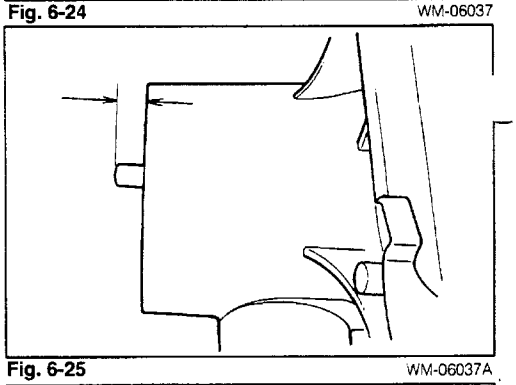


Fig. 6-25 WM-06037A

   (3) If the amount of protrusion is less than limit, replace the fuel pump drive cam.
   Maximum amount of protrusion:
   STD 10.5 - 11.5 mm (0.4134 - 0.4528 inch)
   Limit 10.0 mm (0.3937 inch)
   Minimum amount of protrusion:
   STD 8.5 - 9.5 mm (0.3346 - 0.3740 inch)
   Limit 8.0 mm (0.3150 inch)
   Stroke: 2.0 mm (0.0787 inch)

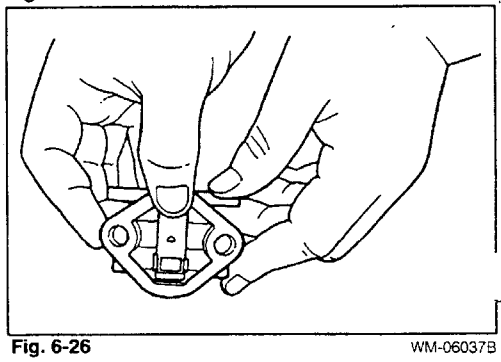
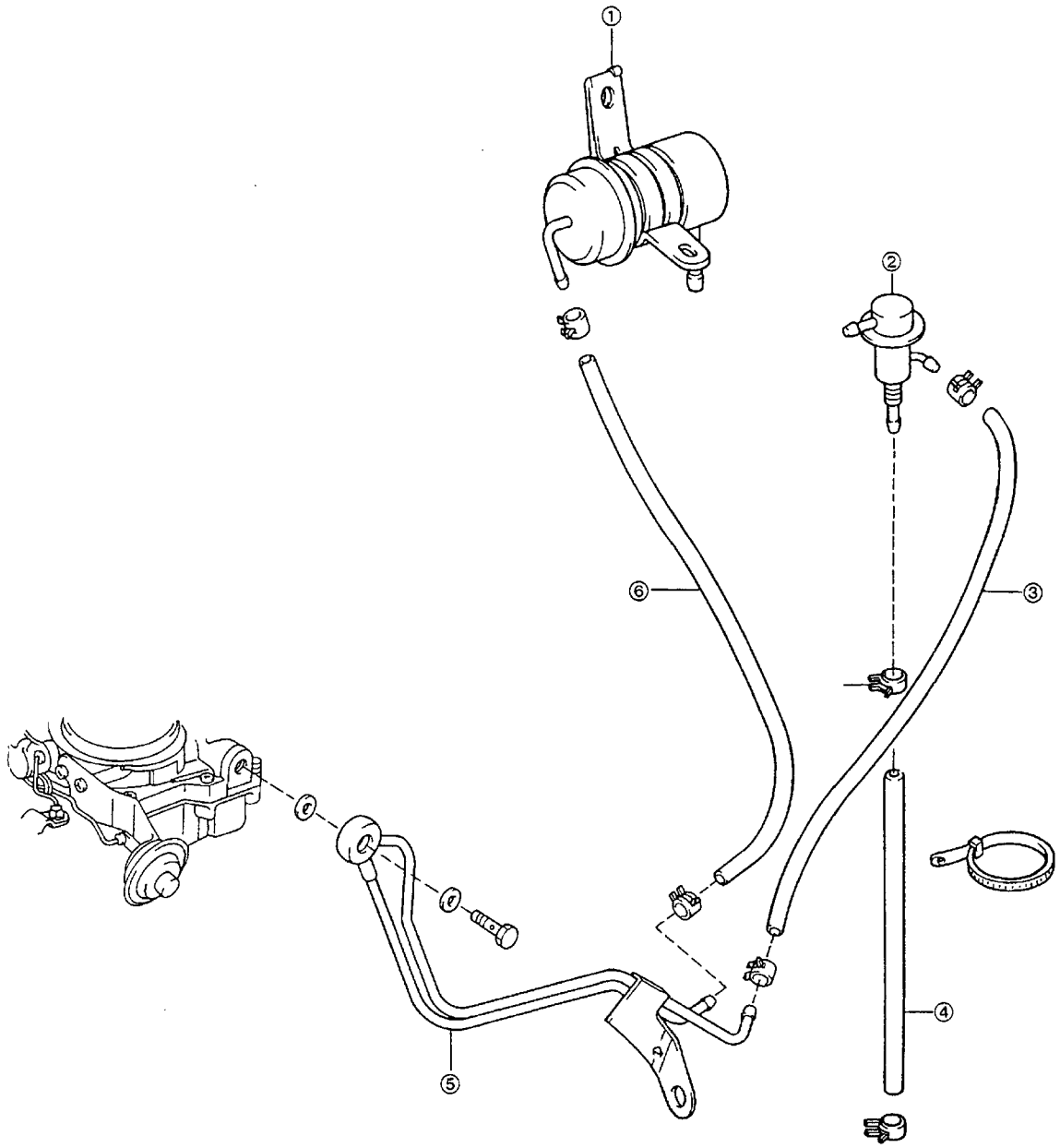


Fig. 6-26 WM-06037B

COMPONENTS OF FUEL LINE [CB-61 Engine]



① Fuel filter
② Fuel pressure control valve
③ Fuel hose (Value to carburetor)
④ Fuel hose (Valve to tank)
⑤ Fuel pipe No.1
⑥ Fuel hose (Carburetor to filter)

Fig. 6-27

WM-06038

IN-VEHICLE INSPECTION [CB-61 Engine]

1. If any work related to the fuel system has been performed, it is mandatory to make sure that the fuel system exhibits no leakage under a condition where the fuel pressure is applied.
2. Remove the fuel tank cap so that the tank internal pressure may be released.
3. Disconnect the fuel hose connecting the fuel filter to the carburetor and the fuel hose connecting the carburetor to the pressure control valve. These fuel hoses should be disconnected at the carburetor side.
   NOTE:
   When the fuel hoses are disconnected, make certain that the engine is already cool. Also, be sure to plug the fuel hoses, using cloth or the like.

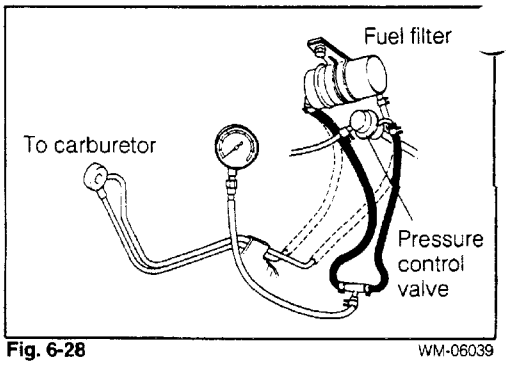


Fig. 6-28 WM-06039

4. Connect a fuel pressure gauge.
   Fuel pressure gauge:
   SST: 09268-87701-000
   Fuel pressure gauge attachment:
   SST: 09283-87701-000
5. Disconnect the connector from the magnetic switch of the starter. (This step is taken to prevent the starter rotation.)
6. Turn the engine switch to the "ST" position.
7. Measure the fuel pressure under this setting.
   Specified Fuel Pressure:
   0.25 to 0.35 kg/cm^2 (3.6 to 5.0 psi)
8. Disconnect the vacuum hose between the pressure control valve and the 4-way joint. Then, connect the turbocharge pressure gauge.
9. Apply a positive pressure of 0.5 kg/cm^2 (7.1 psi) and measure the fuel pressure under this setting.
   Specified Fuel Pressure:
   0.75 to 0.85 kg/cm^2 (10.7 to 12.1 psi)

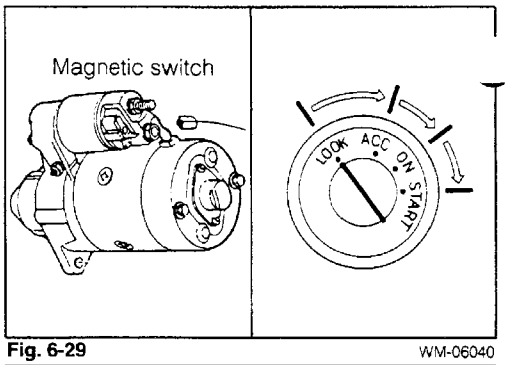


Fig. 6-29 WM-06040

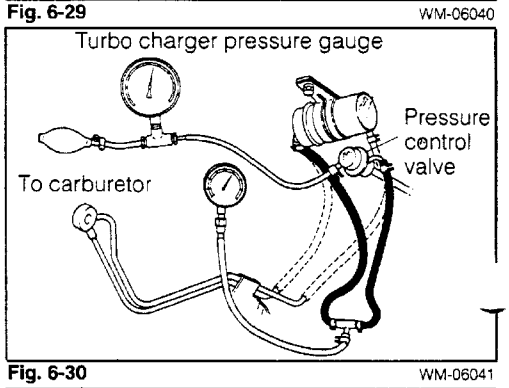


Fig. 6-30 WM-06041

EMERGENCY FUEL STOP SYSTEM

IN-VEHICLE INSPECTION [CB-61 Engine]

1. Start the engine.
2. Disconnect the noise filter connector for the tachometer. If the fuel pump stops its operation, it indicates that the emergency fuel stop system is functioning normally.

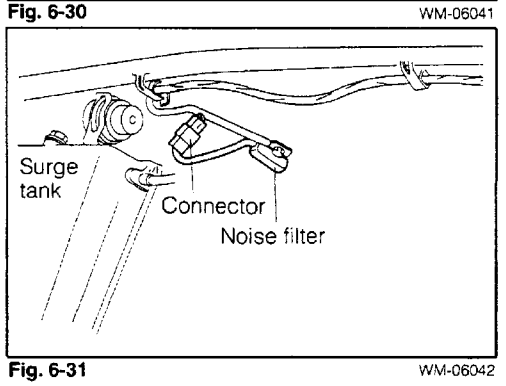
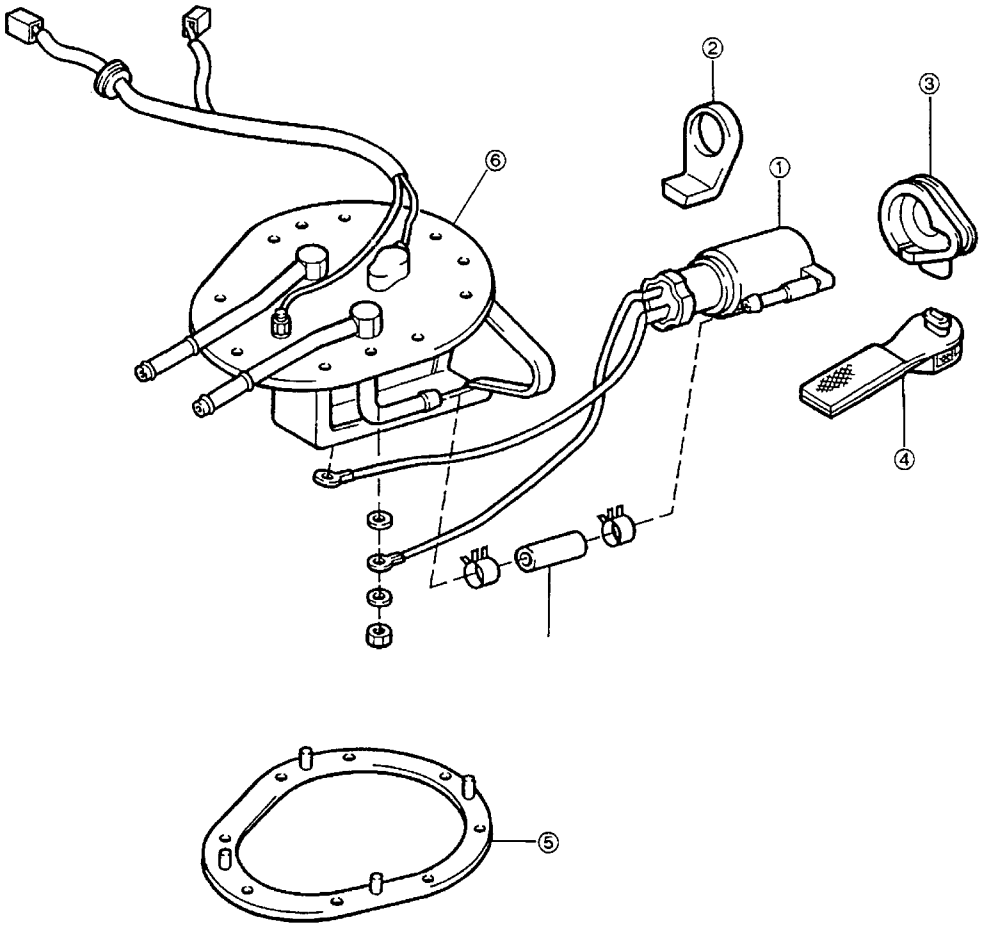


Fig. 6-31 WM-06042

FUEL PUMP

COMPONENTS OF FUEL LINE [CB-61 Engine]

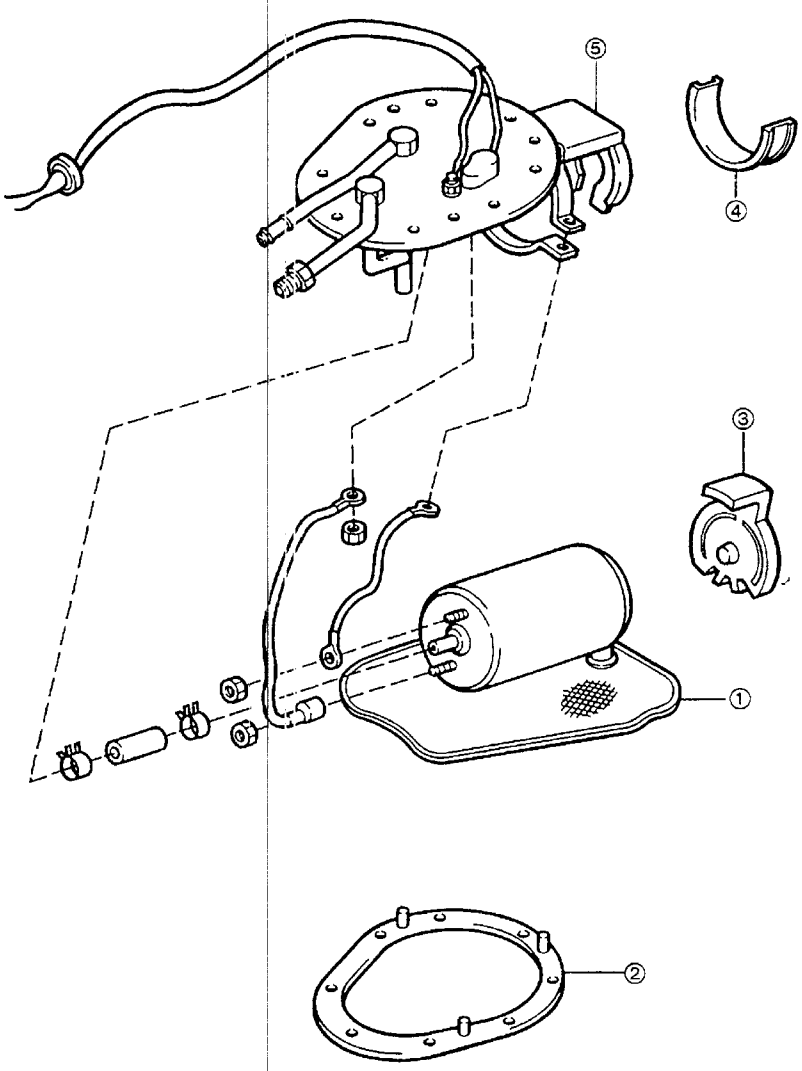


① Fuel pump Ay
② Cushion rubber
③ Fuel pump cover
④ Fuel pump filter
⑤ Gasket
⑥ Bracket S/A

Fig. 6-32

WM-06046

COMPONENTS OF FUEL LINE [CB-80 Engine]



① Fuel pump Ay
② Fuel pump gasket
③ Fuel pump cover
④ Cushion rubber
⑤ Bracket S/A

Fig. 6-33

WM-06047

FUEL TANK

REMOVAL

1. Jack up the vehicle and support it with safety stands.
2. Drain the fuel from the fuel tank by removing the drain plug. (After the fuel tank has been drained, install the drain plug in the original position.)

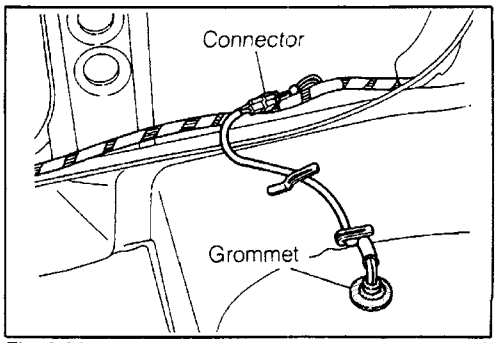


Fig. 6-34 WM-06048

3. Disconnection of connectors of fuel sender gauge and fuel pump
   (1) Remove the rear seat.
   (2) Detach the rear quarter trim at the right side. (3-door model)
   (3) Remove the rear scuff plate at the right/rear side. (5-door model)
   (4) Disconnect the connector. Take out the connector together with the grommet.

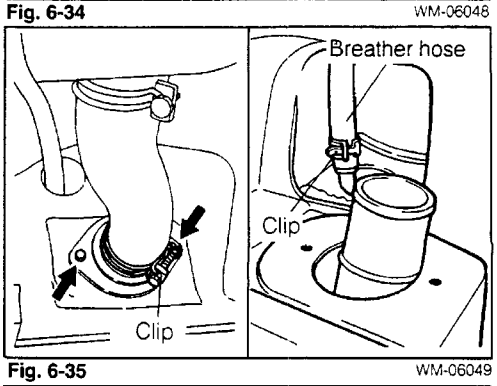


Fig. 6-35 WM-06049

4. Removal of fuel tank subinlet hose and breather hose

3-door model

(1) Detach the clamp. Disconnect the fuel tank subinlet hose.
(2) Detach the clamp. Disconnect the breather hose.

5-door model

(1) Detach the clamp. Disconnect the fuel tank subinlet hose.
(2) Remove the clip and hose at both sides of the breather hose.
(3) Remove the attaching bolt of the breather pipe. Remove the breather pipe.

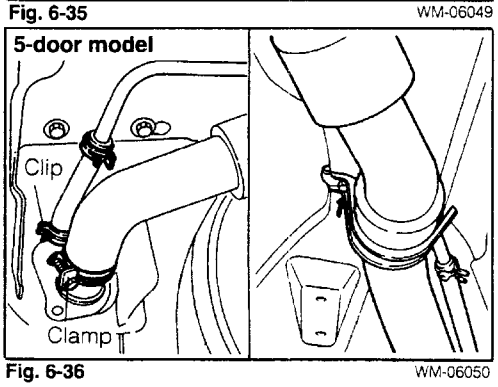


Fig. 6-36 WM-06050

5. Removal of fuel hoses
   (1) Disconnect the main fuel hose.
   (2) Disconnect the return fuel hose.
   (3) Disconnect the fuel hose for emission control use.

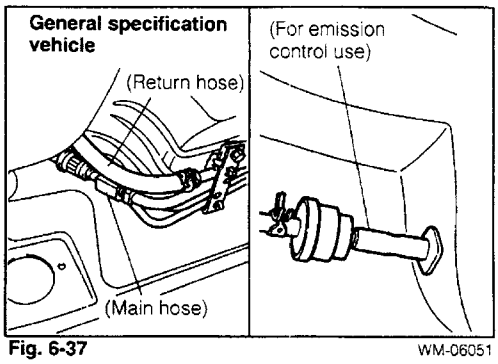


Fig. 6-37 WM-06051

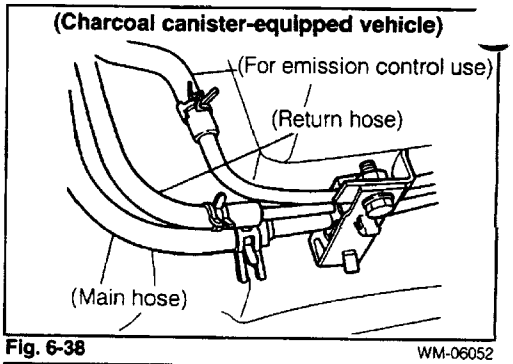


Fig. 6-38 WM-06052

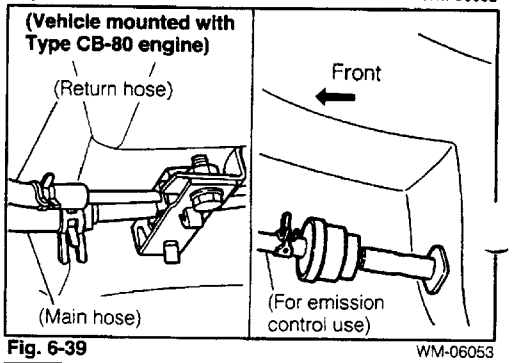


Fig. 6-39 WM-06053

6. Removal of fuel tank assembly
   (1) Support the fuel tank with a jack.
   (2) Remove the four attaching bolts of the fuel tank.
   (3) Take out the fuel tank assembly from the vehicle.

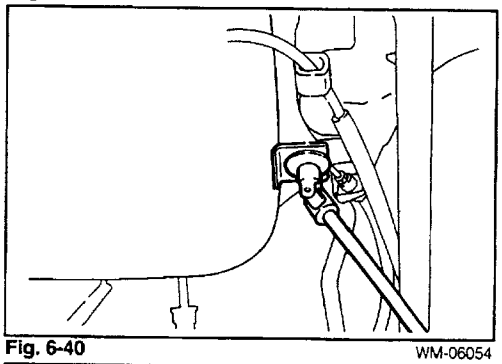


Fig. 6-40 WM-06054

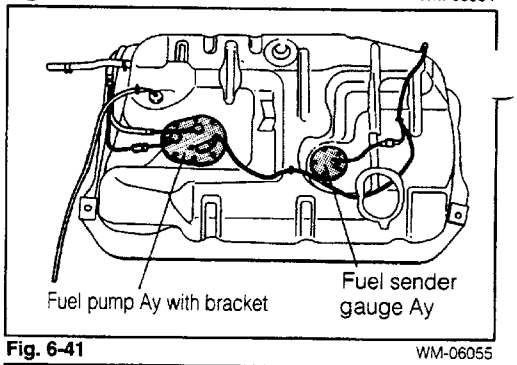


Fig. 6-41 WM-06055

7. Remove the fuel hose and pipe.
8. Remove the coupler and five screws. Remove the fuel sender gauge assembly.
9. Remove the fuel pump assembly with bracket by removing the eight screws.

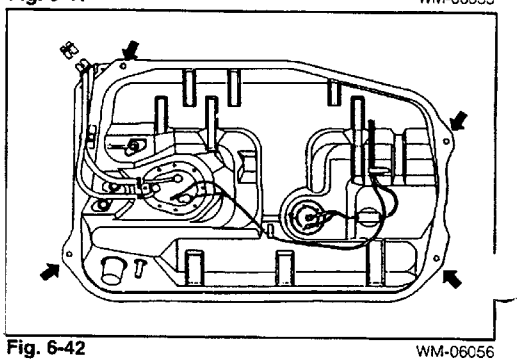


Fig. 6-42 WM-06056

INSPECTION

1. Check to see if the fuel pump filter exhibits restriction.
2. Apply the battery voltage to the fuel pump. Check to see if the fuel pump functions smoothly.

[Reference]
Fuel pump specifications

Item		CB-61	CB-80
Delivery output	ℓ/h	Not less than 60	Not less than 80

WM-06057

INSTALLATION

1. Install the fuel pump assembly with bracket and the fuel sender gauge assembly.
2. Install the fuel hose and pipe.
3. Install the fuel tank assembly with the four bolts.
   NOTE:
   Prior to the installation of the fuel tank assembly, be sure to route the fuel gauge-related harness through the inside.

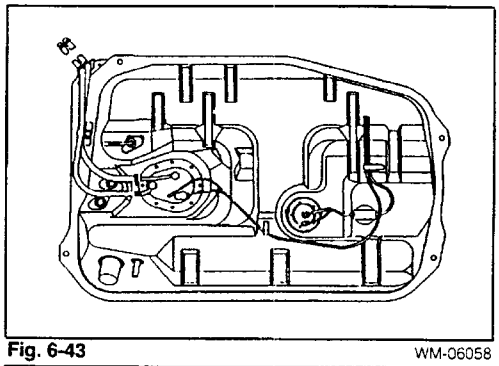


Fig. 6-43 WM-06058

4. Installation of fuel hoses
   (1) Connect the main fuel hose.
   (2) Connect the return fuel hose.
   (3) Connect the fuel hose for emission control use.

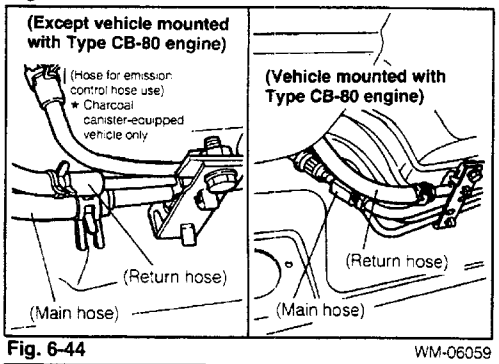


Fig. 6-44 WM-06059

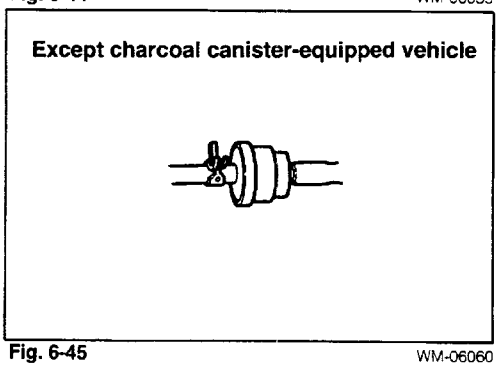


Fig. 6-45 WM-06060

5. Install the fuel tank subinlet hose and breather hose.

3-door model

(1) Connect the breather hose. Secure it with the clip.
(2) Connect the fuel tank subinlet hose. Secure it with the clamp.

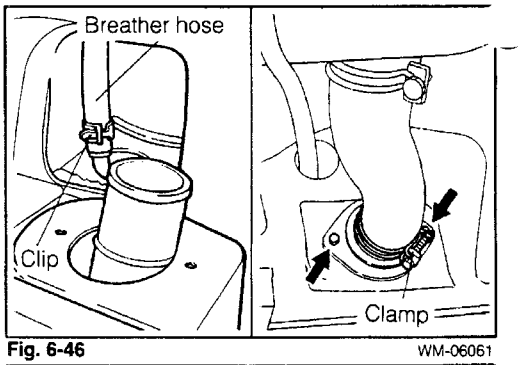


Fig. 6-46 WM-06061

5-door model

(1) Connect the fuel tank subinlet hose. Secure it with the clamp.
(2) Connect the hoses to both ends of the breather pipe. Secure them with the clips.
(3) Install the breather pipe with one bolt.

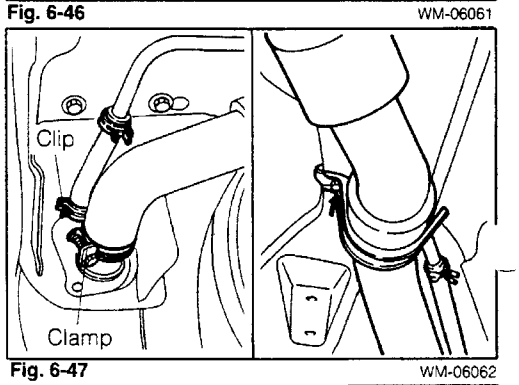


Fig. 6-47 WM-06062

6. Installation of fuel sender gauge and fuel pump connectors
(1) Connect the connectors and install the grommet.
(2) Attach the rear quarter trim at the right side. (3-door model)
(3) Attach the scuff plate at the right rear side. (5-door model)
(4) Install the rear seat.

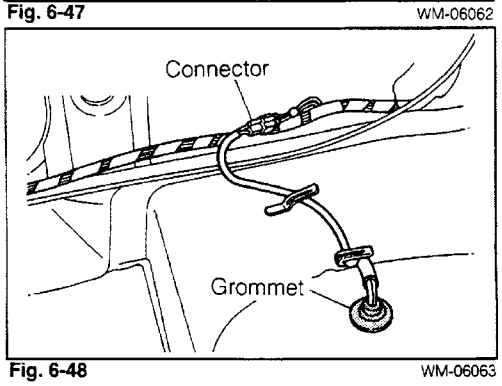


Fig. 6-48 WM-06063