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2008 MAZDA Tribute OEM Service and Repair Workshop Manual

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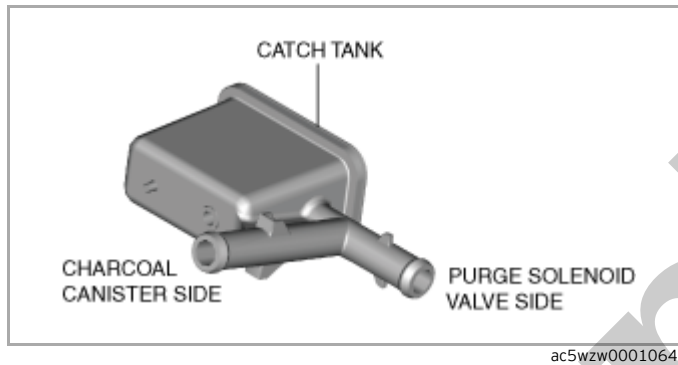
CATCH TANK INSPECTION [SKYACTIV-G 2.5 (WITH CYLINDER DEACTIVATION)]

SM2897599

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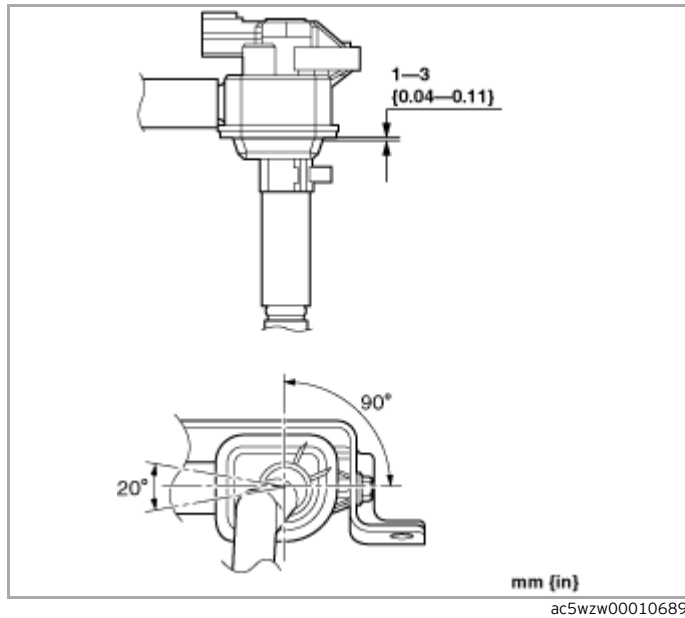
1.Remove the catch tank. (See [PURGE SOLENOID VALVE REMOVAL/INSTALLATION \[SKYACTIV-G 2.5 \(WITH CYLINDER DEACTIVATION\)\]](#).)

2.Plug the purge solenoid valve side into the catch tank.



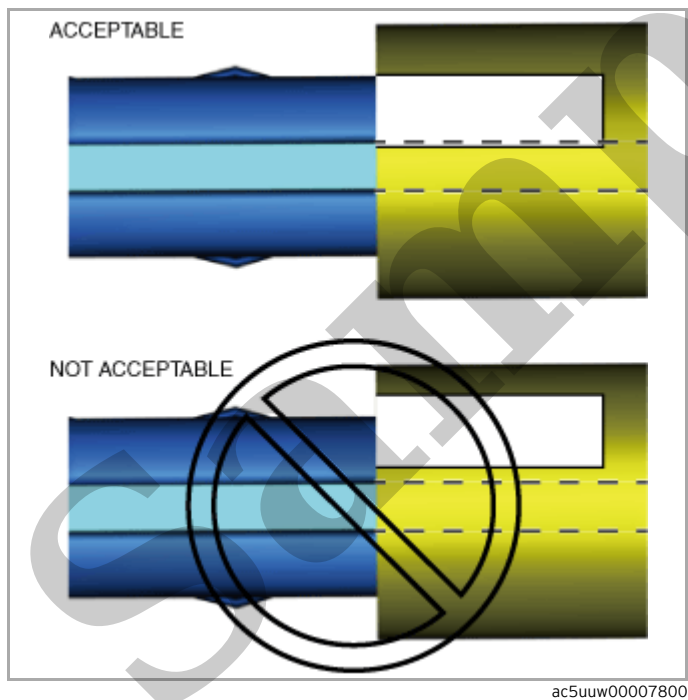
3.Inspect for air leakage when blowing air using your mouth into the charcoal canister side.

- If there is air leakage, replace the catch tank. (See [PURGE SOLENOID VALVE REMOVAL/INSTALLATION \[SKYACTIV-G 2.5 \(WITH CYLINDER DEACTIVATION\)\]](#).)



2. Verify that a portion of the mark on evaporative hose No. 1 is covering the catch tank projection area.

- If the mark is completely off the projection area, adjust the mark so that it covers the projection area.



Insulator Installation Note

1. Install the insulator to the bracket using the following procedure.

- (1) Insert the insulator projection into the bracket.

ROLLOVER VALVE REMOVAL/INSTALLATION [SKYACTIV-G 2.5 (WITH CYLINDER DEACTIVATION)]

SM2897602

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Note

- The rollover valve cannot be removed as it is built into the fuel tank.

1.Remove the fuel tank. (See [FUEL TANK REMOVAL/INSTALLATION \[SKYACTIV-G 2.5 \(WITH CYLINDER DEACTIVATION\)\]](#).)

Sample

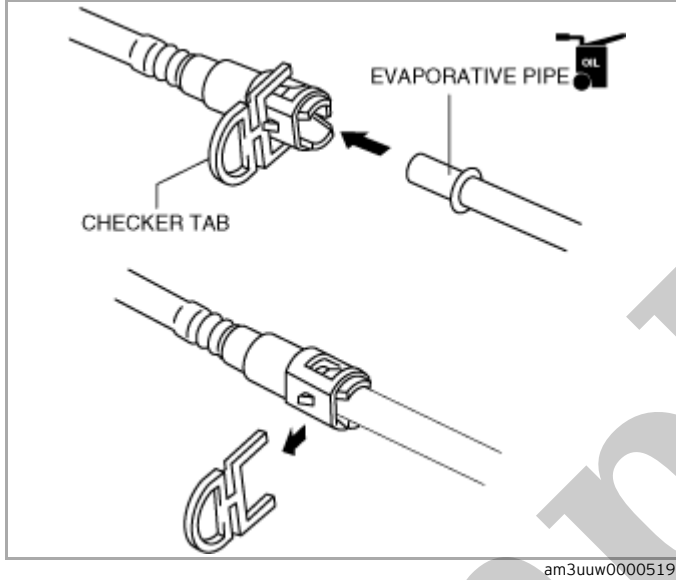
Type A Installation

Caution

- Always replace the retainer with a new one when using SST 49 E042 001, otherwise, evaporative leakage could result.

Note

- If the quick release connector O-ring is damaged or has slipped, replace the piping component.
- A checker tab is integrated with the quick release connector for new evaporative hoses. Remove the checker tab from the quick release connector after the connector is completely engaged with the evaporative pipe.



1. Inspect the evaporative hose and evaporative pipe sealing surface for damage and deformation.

- If there is any malfunction, replace it with a new one.

2. Apply a small amount of clean engine oil to the sealing surface of the evaporative pipe.

3. Install a new retainer to the quick release connector.

4. Reconnect the hose straight to the pipe until a click is heard.

5. Lightly pull and push the quick release connector a few times by hand, and then verify that it is connected securely.

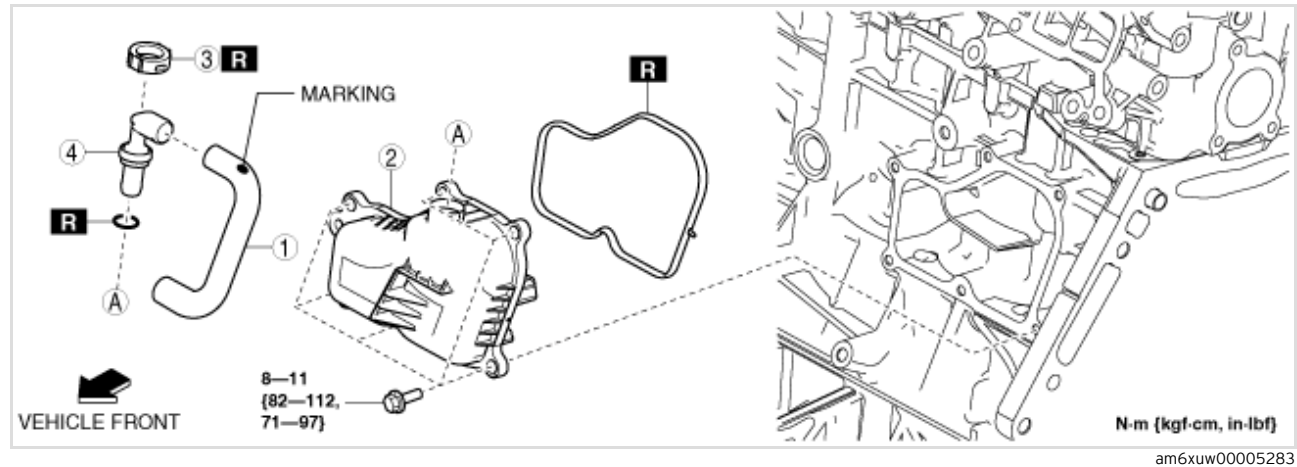
Type B Installation

Note

- If the quick release connector O-ring is damaged or has slipped, replace the evaporative hose.
- A checker tab is integrated with the quick release connector for new evaporative hoses. Remove the checker tab from the quick release connector after the connector is completely engaged with the evaporative pipe.

1. Inspect the evaporative hose and evaporative pipe sealing surface for damage and deformation.

- If there is any malfunction, replace it with a new one.



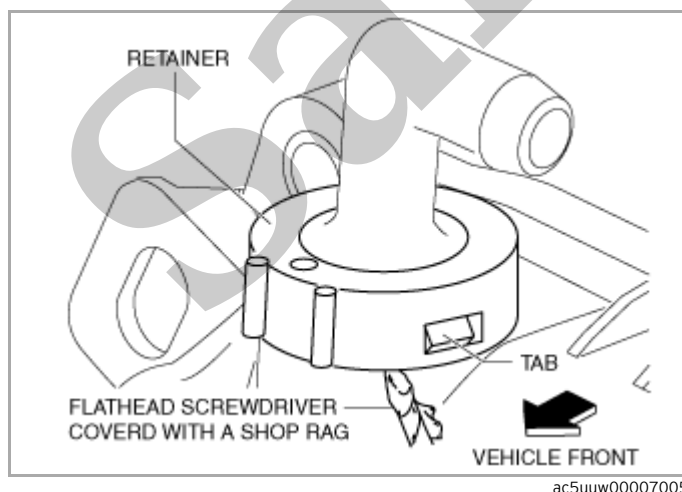
1	PCV hose (See PCV Hose Installation Note.)
2	Oil separator
3	Retainer (See Retainer Removal Note.) (See Retainer Installation Note.)
4	PCV valve

Retainer Removal Note

Caution

- Be sure to follow the removal procedures below to prevent the leakage of blow-by gas caused by the damage to the tab of the oil separator or the oil separator itself.

1. Insert a flathead screwdriver with its tip wrapped in a shop rag into the gap between the retainer and the oil separator as shown in the figure.



2. Spread the side surface of the retainer outward to dismount it with attention to the tab.

Retainer Installation Note

Caution

FUEL SHUT-OFF VALVE INSPECTION [SKYACTIV-G 2.5 (WITH CYLINDER DEACTIVATION)]

SM2897605

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Note

- The fuel shut-off valve cannot be removed and inspected as it is built into the fuel tank.

1. Perform the fuel tank inspection. (See [FUEL TANK INSPECTION \[SKYACTIV-G 2.5 \(WITH CYLINDER DEACTIVATION\)\]](#).)

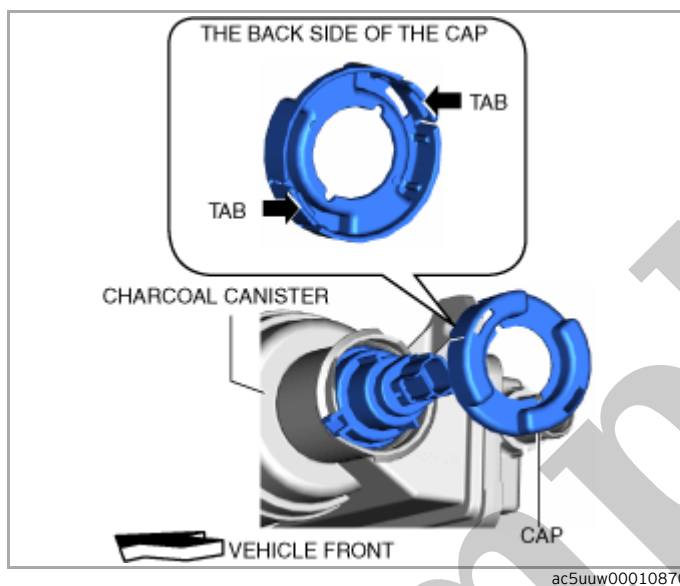
- If there is any malfunction, replace the fuel tank (See [FUEL TANK REMOVAL/INSTALLATION \[SKYACTIV-G 2.5 \(WITH CYLINDER DEACTIVATION\)\]](#).)

3	CV solenoid valve (See CV solenoid valve removal note.) (See CV solenoid valve installation note.)
4	O-ring

Cap removal note

Note

- The cap has two tabs that clip onto the canister.



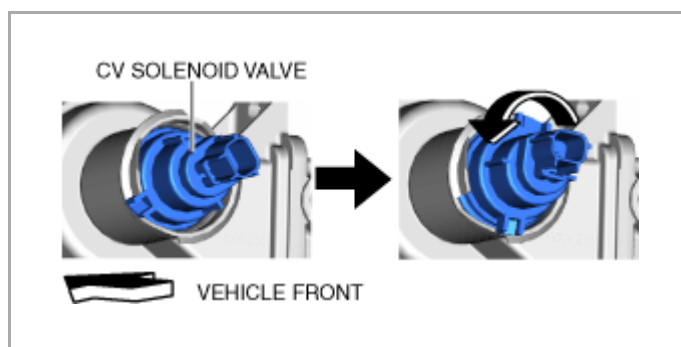
1. Unclip tabs then pull out the cap.

CV solenoid valve removal note

Caution

- Seal will be tight. Be careful not to damage the CV solenoid valve when removing the CV solenoid valve.

1. Turn the CV solenoid valve counter-clockwise.



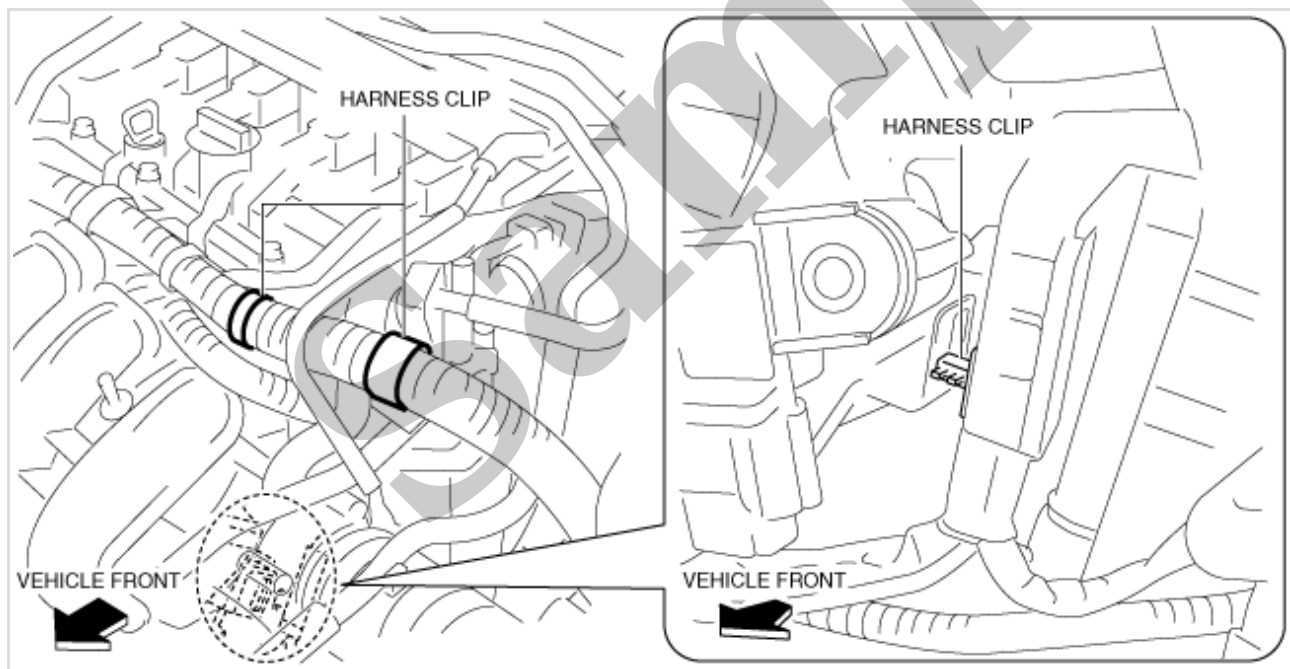
2. Pull the CV solenoid valve straight out to remove.

PURGE SOLENOID VALVE REMOVAL/INSTALLATION [SKYACTIV-G 2.5 (WITHOUT CYLINDER DEACTIVATION)]

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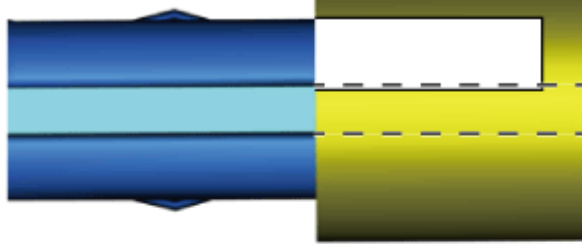
1. Disconnect the negative battery terminal. (See [NEGATIVE BATTERY TERMINAL DISCONNECTION/CONNECTION.](#))
2. Remove the plug hole plate. (See [PLUG HOLE PLATE REMOVAL/INSTALLATION \[SKYACTIV-G 2.5 \(WITHOUT CYLINDER DEACTIVATION\)\].](#))
3. Remove the air cleaner and air hose as a single unit. (See [INTAKE-AIR SYSTEM REMOVAL/INSTALLATION \[SKYACTIV-G 2.5 \(WITHOUT CYLINDER DEACTIVATION\)\].](#))
4. Disconnect the high pressure fuel pump connector.
5. Disconnect the harness clip as shown in the figure.



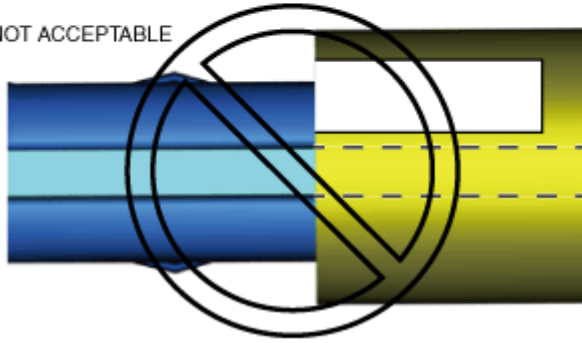
6. Disconnect the vacuum hose from the intake manifold. (See [INTAKE-AIR SYSTEM REMOVAL/INSTALLATION \[SKYACTIV-G 2.5 \(WITHOUT CYLINDER DEACTIVATION\)\].](#))

7. Disconnect the harness clip as shown in the figure.

ACCEPTABLE



NOT ACCEPTABLE



ac5uuw00007800

Sample