

EMISSION CONTROL (AUX. EMISSION
CONTROL DEVICES)

EC(DOHC TURBO)

	Page
1. General Description.....	2
2. Front Catalytic Converter	3
3. Rear Catalytic Converter.....	4
4. Precatalytic Converter	5
5. Canister	6
6. Purge Control Solenoid Valve	7
7. Two-way Valve	8



GENERAL DESCRIPTION

Emission Control (Aux. Emission Control Devices)

1. General Description S180001

A: CAUTION S180001A03

- Wear working clothing, including a cap, protective goggles, and protective shoes during operation.
- Remove contamination including dirt and corrosion before removal, installation or disassembly.
- Keep the disassembled parts in order and protect them from dust or dirt.
- Before removal, installation or disassembly, be sure to clarify the failure. Avoid unnecessary removal, installation, disassembly, and replacement.
- Be careful not to burn your hands, because each part on the vehicle is hot after running.
- Be sure to tighten fasteners including bolts and nuts to the specified torque.
- Place shop jacks or safety stands at the specified points.
- Before disconnecting electrical connectors of sensors or units, be sure to disconnect negative terminal from battery.

FRONT CATALYTIC CONVERTER

Emission Control (Aux. Emission Control Devices)

2. Front Catalytic Converter S180017

A: REMOVAL S180017A18

- 1) Remove center exhaust pipe. <Ref. to EX(DOHC TURBO)-9, REMOVAL, Center Exhaust Pipe.>
- 2) Separate front catalytic converter (A) from rear catalytic converter (B).

en0993



B: INSTALLATION S180017A11

NOTE:

Replace gaskets with new ones.
Install in the reverse order of removal.

C: INSPECTION S180017A10

- 1) Make sure there are no exhaust leaks from connections and welds.
- 2) Make sure there are no holes or rusting.

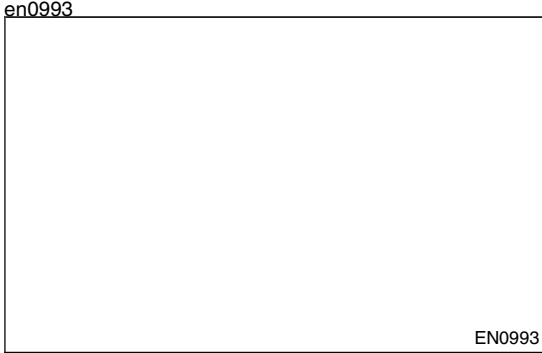
REAR CATALYTIC CONVERTER

Emission Control (Aux. Emission Control Devices)

3. Rear Catalytic Converter S180036

A: REMOVAL S180036A18

- 1) Remove center exhaust pipe. <Ref. to EX(DOHC TURBO)-9, REMOVAL, Center Exhaust Pipe.>
- 2) Separate rear catalytic converter (B) from front catalytic converter (A).



B: INSTALLATION S180036A11

NOTE:

Replace gaskets with new ones.
Install in the reverse order of removal.

C: INSPECTION S180036A10

- 1) Make sure there are no exhaust leaks from connections and welds.
- 2) Make sure there are no holes or rusting.

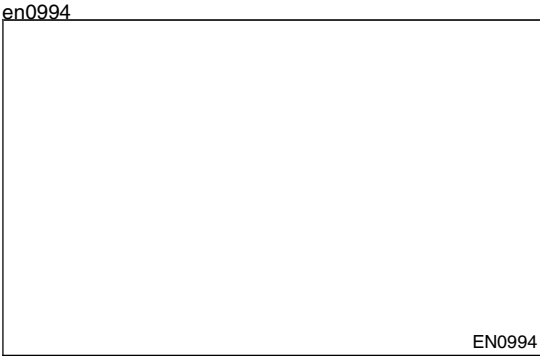
PRECATALYTIC CONVERTER

Emission Control (Aux. Emission Control Devices)

4. Precatalytic Converter S180767

A: REMOVAL S180767A18

Precatalytic converter (A) is built in joint pipe. Refer to removal of joint pipe for removal procedure.
<Ref. to EX(DOHC TURBO)-13, REMOVAL, Joint Pipe.>



B: INSTALLATION S180767A11

Precatalytic converter is built in joint pipe. Refer to installation of joint pipe for installation procedure.
<Ref. to EX(DOHC TURBO)-13, INSTALLATION, Joint Pipe.>

C: INSPECTION S180767A10

- 1) Make sure there are no exhaust leaks from connections and welds.
- 2) Make sure there are no holes or rusting.

CANISTER

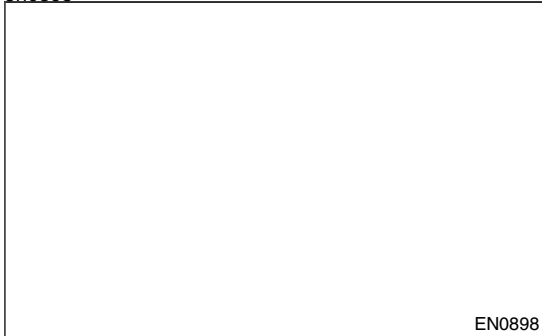
Emission Control (Aux. Emission Control Devices)

5. Canister S180037

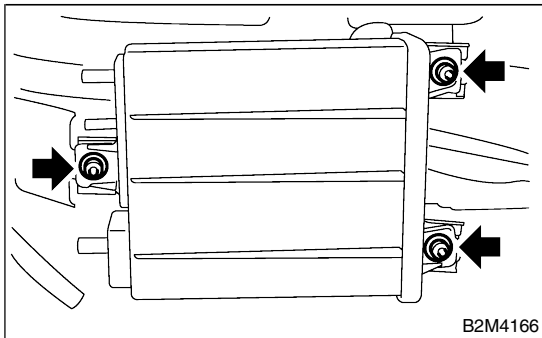
A: REMOVAL S180037A18

- 1) Lift-up the vehicle.
- 2) Loosen two clamps which hold two canister hoses, and disconnect evaporation three hoses from canister.

en0898



- 3) Remove canister from body.

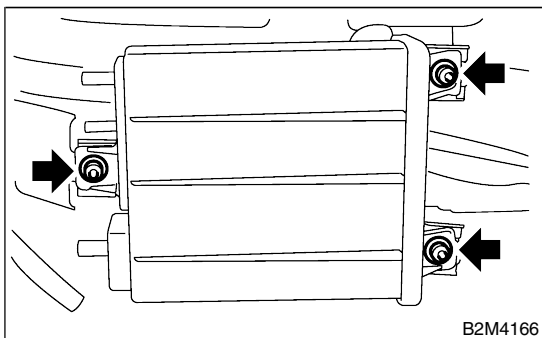


B: INSTALLATION S180037A11

- 1) Install in the reverse order of removal.

Tightening torque:

23 N·m (2.3 kgf-m, 17 ft-lb)



C: INSPECTION S180037A10

Make sure the canister and canister hoses are not cracked or loose.

PURGE CONTROL SOLENOID VALVE

Emission Control (Aux. Emission Control Devices)

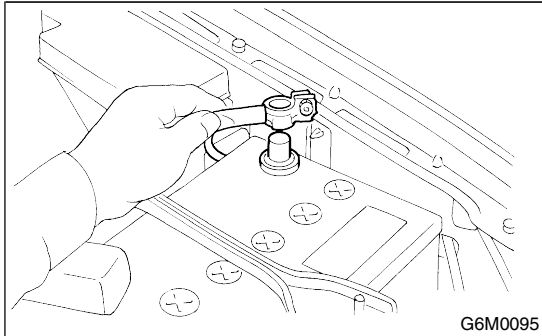
6. Purge Control Solenoid Valve

S180035

A: REMOVAL

S180035A18

- 1) Disconnect battery ground cable.



- 2) Disconnect connector and hoses from purge control solenoid valve.
- 3) Remove bolt which installs purge control solenoid valve onto intake manifold.



B: INSTALLATION

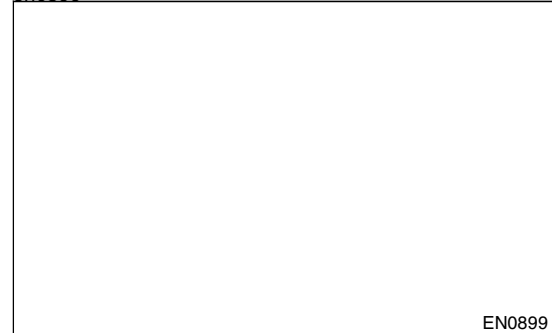
S180035A11

Install in the reverse order of removal.

Tightening torque:

16 N·m (1.6 kgf-m, 11.6 ft-lb)

en0899



CAUTION:

Carefully connect the evaporation hoses.

en0817



- (A) To intake manifold
- (B) To purge valve

C: INSPECTION

S180035A10

Make sure hoses are not cracked or loose.

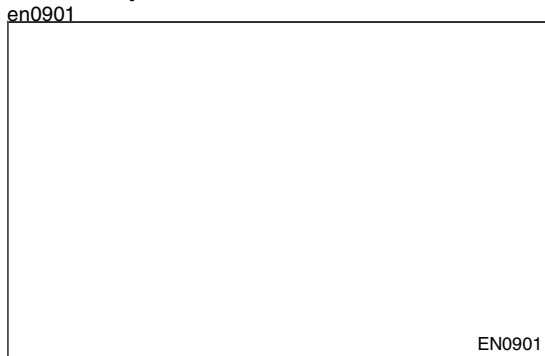
TWO-WAY VALVE

Emission Control (Aux. Emission Control Devices)

7. Two-way Valve S180707

A: REMOVAL S180707A18

- 1) Lift-up the vehicle.
- 2) Remove canister from body. <Ref. to EC(DOHC TURBO)-6, REMOVAL, Canister.>
- 3) Remove two-way valve with bracket as a single unit from body.



- 4) Remove two-way valve from bracket.

B: INSTALLATION S180707A11

Install in the reverse order of removal.

C: INSPECTION S180707A10

Make sure that hoses are not cracked or loose.