

ENGINE 1 SECTION

This service manual has been prepared to provide SUBARU service personnel with the necessary information and data for the correct maintenance and repair of SUBARU vehicles.

This manual includes the procedures for maintenance, disassembling, reassembling, inspection and adjustment of components and diagnostics for guidance of experienced mechanics.

Please peruse and utilize this manual fully to ensure complete repair work for satisfying our customers by keeping their vehicle in optimum condition. When replacement of parts during repair work is needed, be sure to use SUBARU genuine parts.

All information, illustration and specifications contained in this manual are based on the latest product information available at the time of publication approval.

FUEL INJECTION (FUEL SYSTEMS) FU(SOHC)

**EMISSION CONTROL
(AUX. EMISSION CONTROL DEVICES) EC(SOHC)**

INTAKE (INDUCTION) IN(SOHC)

MECHANICAL ME(SOHC)

EXHAUST EX(SOHC)

COOLING CO

LUBRICATION LU

SPEED CONTROL SYSTEMS SP

IGNITION IG(SOHC)

STARTING/CHARGING SYSTEMS SC

ENGINE (DIAGNOSTICS) EN(SOHC)

INTAKE (INDUCTION)

IN(SOHC)

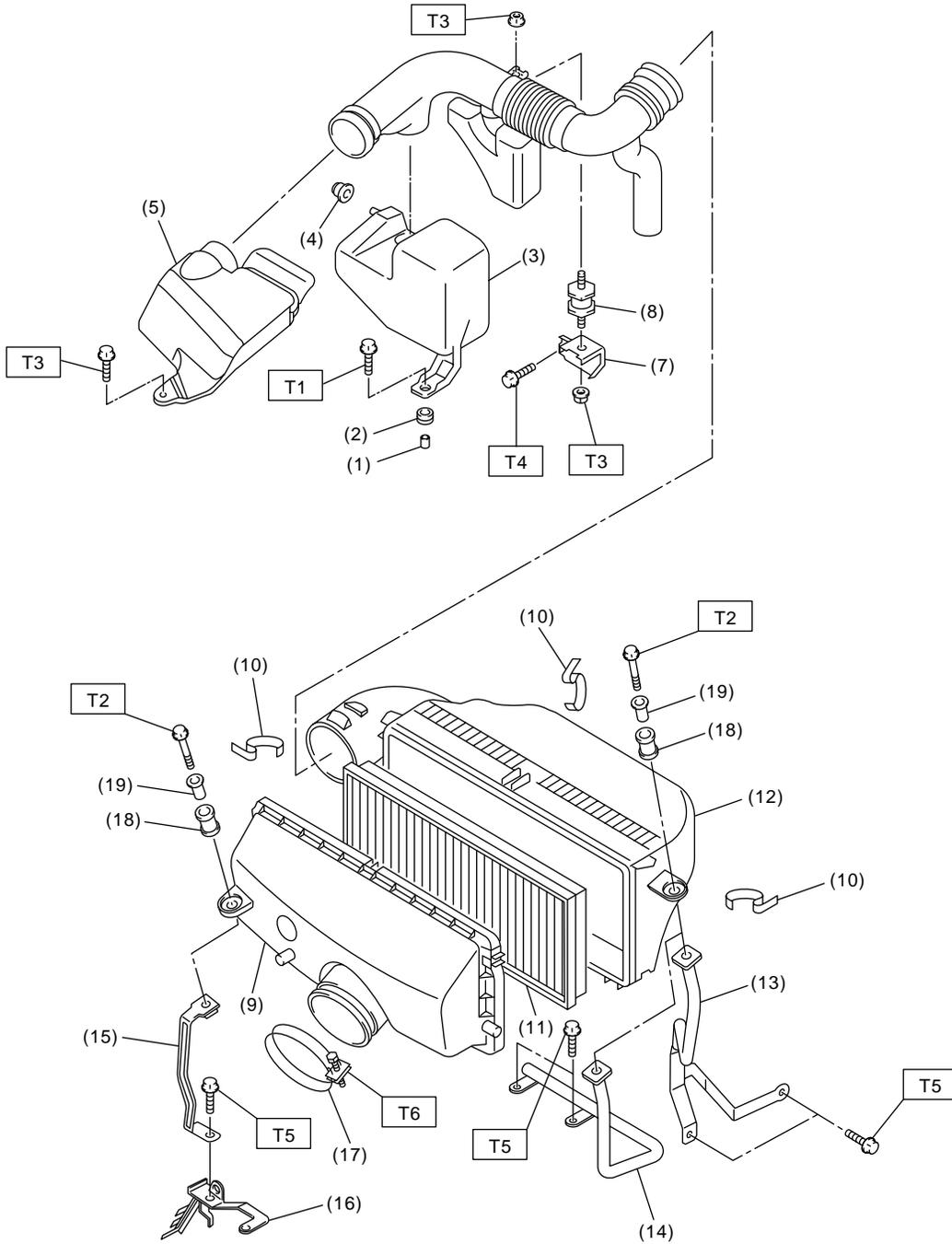
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GENERAL DESCRIPTION

INTAKE (INDUCTION)

1. General Description

A: COMPONENT



EN0057

IN(SOHC)-2

GENERAL DESCRIPTION

INTAKE (INDUCTION)

(1) Spacer	(12) Air cleaner case B	<i>Tightening torque: N-m (kgf-m, ft-lb)</i>
(2) Bush	(13) Air cleaner case stay LH (MT vehicles)	<i>T1: 33 (3.4, 24.4)</i>
(3) Resonator chamber	(14) Air cleaner case stay LH (AT vehicles)	<i>T2: 6.5 (0.66, 4.8)</i>
(4) Cushion rubber	(15) Air cleaner case stay RH	<i>T3: 7.5 (0.76, 5.5)</i>
(5) Air intake duct A	(16) Engine harness bracket	<i>T4: 6 (0.6, 4.4)</i>
(6) Air intake duct B	(17) Clamp	<i>T5: 16 (1.6, 11.6)</i>
(7) Holder	(18) Bush	<i>T6: 3 (0.3, 2.2)</i>
(8) Cushion	(19) Spacer	
(9) Air cleaner case A		
(10) Clip		
(11) Air cleaner element		

GENERAL DESCRIPTION

INTAKE (INDUCTION)

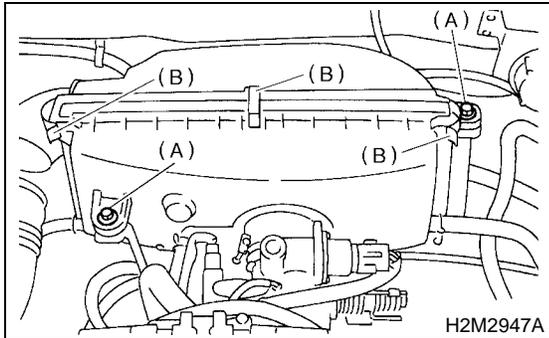
B: CAUTION

- 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 sensor or units, be sure to disconnect negative terminal from battery.

2. Air Cleaner

A: REMOVAL

- 1) Remove bolt (A) which install air cleaner case to stays.
- 2) Remove the clip (B) above the air cleaner case.



- 3) Remove air cleaner.

B: INSTALLATION

Install in the reverse order of removal.

CAUTION:

Fasten with a clip after inserting the lower tab of the case.

C: INSPECTION

Replace if excessively damaged or dirty.

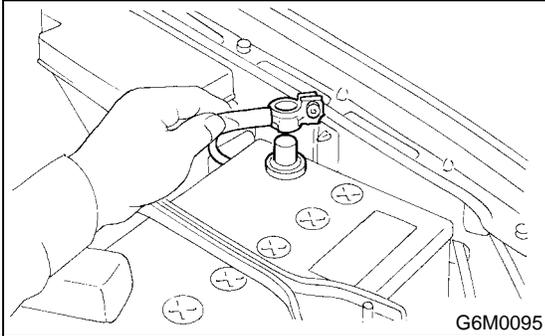
AIR CLEANER CASE

INTAKE (INDUCTION)

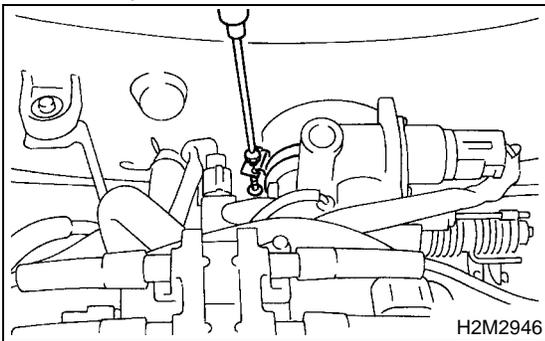
3. Air Cleaner Case

A: REMOVAL

1) Disconnect battery ground cable.

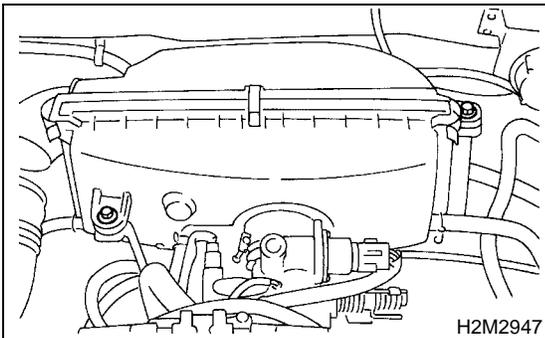


2) Loosen clamp which connects air cleaner case to throttle body.



3) Disconnect hoses from air cleaner case.

4) Remove bolts which install air cleaner case to stays.



5) Remove air cleaner case.

B: INSTALLATION

Install in the reverse order of removal.

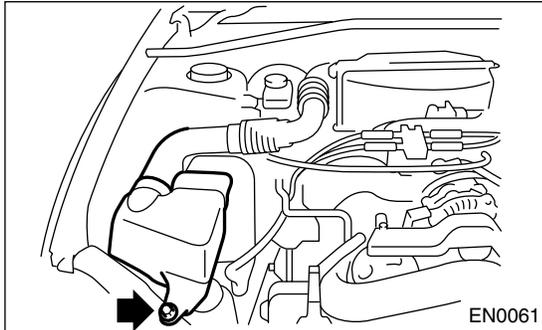
C: INSPECTION

Inspect for cracks and loose connections.

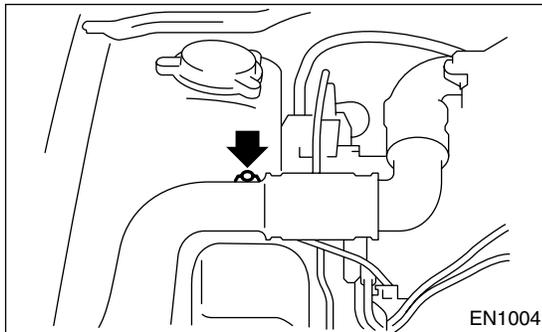
4. Air Intake Duct

A: REMOVAL

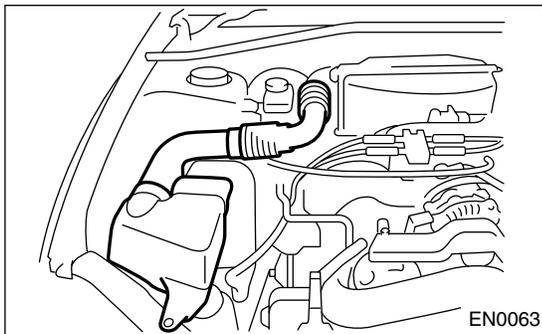
1) Remove bolts which install air intake duct (A) on the front side of body.



2) Remove bolt which installs air intake duct (B) on body.



3) Remove air intake ducts as a unit.



B: INSTALLATION

Install in the reverse order of removal.

C: INSPECTION

- 1) Inspect for cracks and loose connections.
- 2) Inspect that no foreign objects are mixed in the air intake duct.

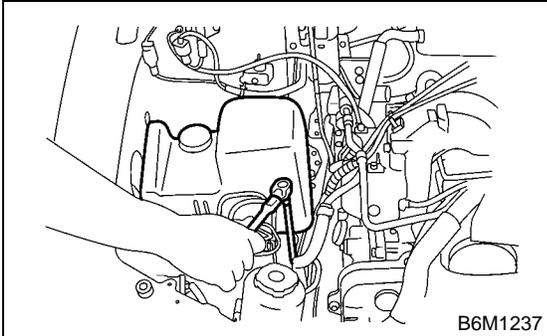
RESONATOR CHAMBER

INTAKE (INDUCTION)

5. Resonator Chamber

A: REMOVAL

- 1) Remove air intake duct. <Ref. to IN(SOHC)-7, REMOVAL, Air Intake Duct.>
- 2) Remove resonator chamber.

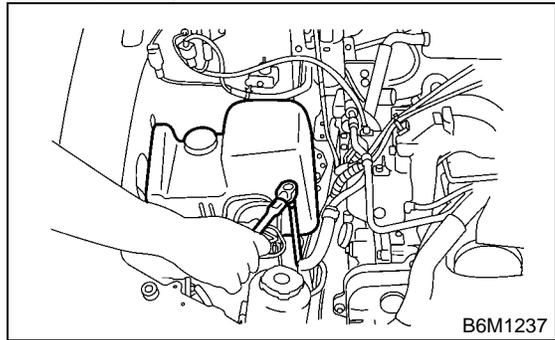


B: INSTALLATION

Install in the reverse order of removal.

Tightening torque:

33 N·m (3.4 kgf-m, 24.4 ft-lb)



C: INSPECTION

Inspect for cracks and loose connections.