

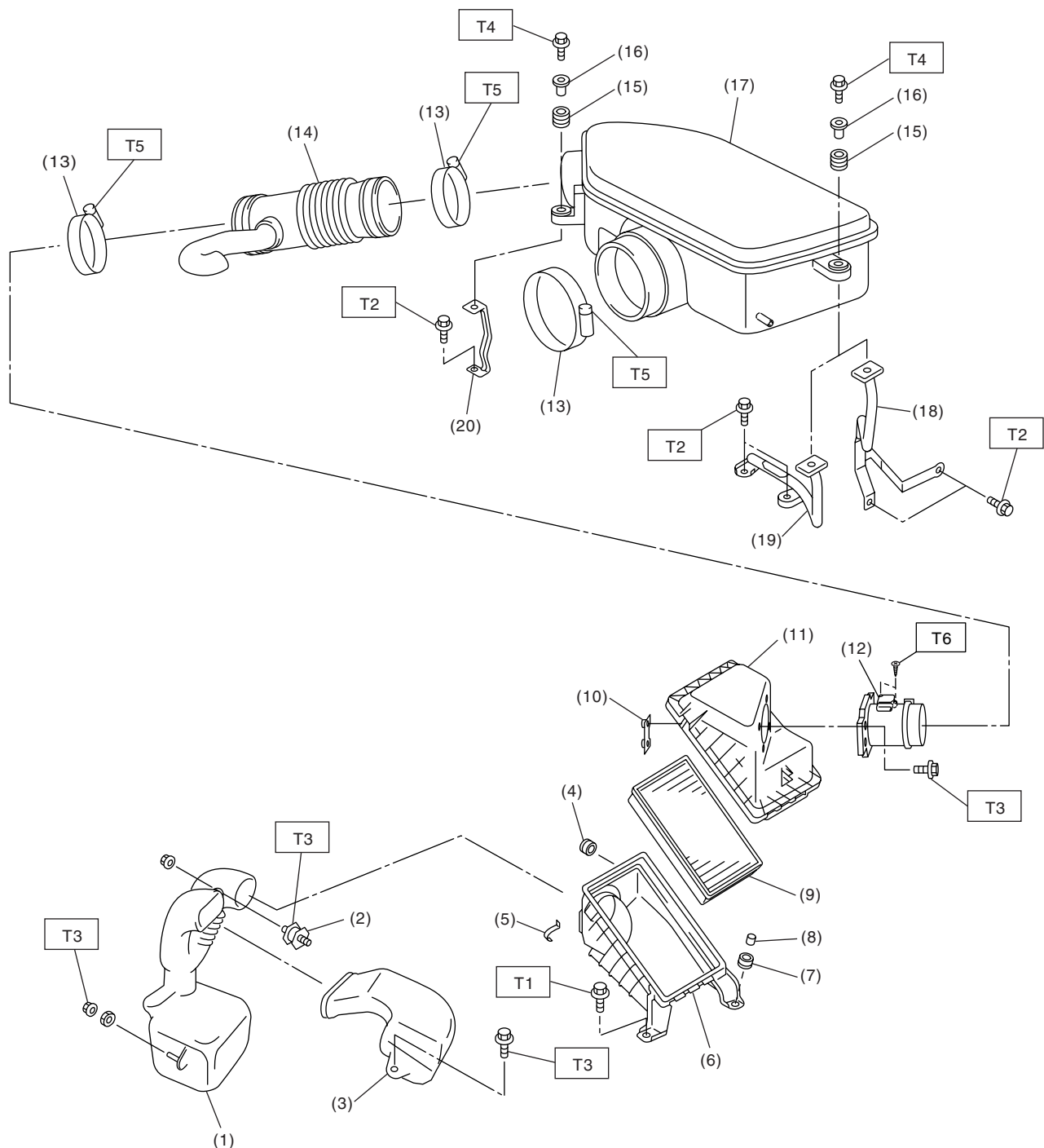
# INTAKE (INDUCTION)

# General Description

INTAKE (INDUCTION)

## 1. General Description

### A: COMPONENT



IN-02114

IN(H4SO)-2

## General Description

INTAKE (INDUCTION)

- |                            |                              |
|----------------------------|------------------------------|
| (1) Resonator chamber      | (11) Air cleaner upper cover |
| (2) Cushion                | (12) Air flow sensor         |
| (3) Air intake duct        | (13) Clamp                   |
| (4) Cushion                | (14) Intake duct             |
| (5) Clip                   | (15) Cushion                 |
| (6) Air cleaner lower case | (16) Spacer                  |
| (7) Cushion                | (17) Air intake chamber      |
| (8) Spacer                 | (18) Stay LH (MT model)      |
| (9) Air cleaner element    | (19) Stay LH (AT model)      |
| (10) Guide                 | (20) Stay RH                 |

**Tightening torque: N·m (kgf-m, ft-lb)**

**T1: 33 (3.4, 24.6)**

**T2: 16 (1.6, 11.6)**

**T3: 7.5 (0.76, 5.5)**

**T4: 6.5 (0.66, 4.8)**

**T5: 3.0 (0.3, 2.1)**

**T6: 1.0 (0.10, 0.7)**

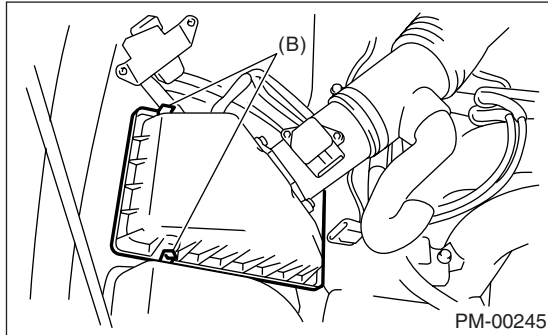
### B: CAUTION

- Wear work 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 and dirt.
- Before removal, installation or disassembly, be sure to clarify the failure. Avoid unnecessary removal, installation, disassembly, and replacement.
- Be careful not to burn yourself, 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 rigid racks at the specified points.
- Before disconnecting electrical connectors of sensor or units, be sure to disconnect the ground cable from battery.

## 2. Air Cleaner Element

### A: REMOVAL

1) Remove the clip (B) above air cleaner case.



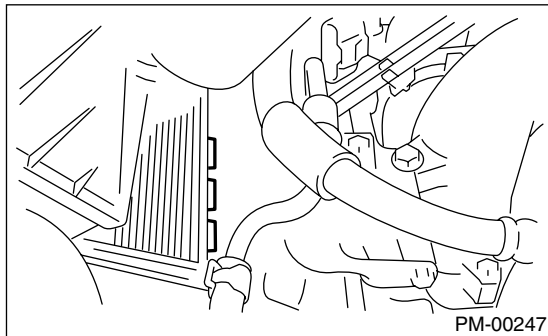
2) Remove the air cleaner element.

### B: INSTALLATION

Install in the reverse order of removal.

#### NOTE:

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



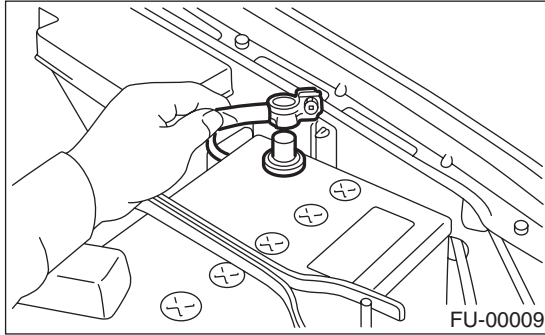
### C: INSPECTION

Replace it if excessively damaged or dirty.

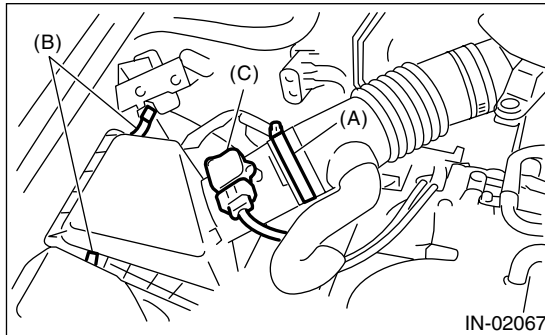
## 3. Air Cleaner Case

### A: REMOVAL

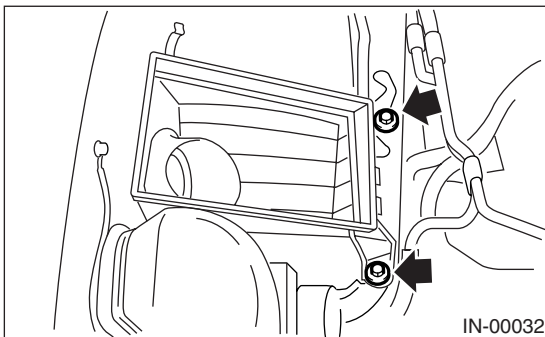
- 1) Disconnect the ground cable from battery.



- 2) Loosen the clamp (A) which connects the air cleaner case and intake duct.
- 3) Remove the clips (B) of air cleaner case.
- 4) Disconnect the connector (C) of air flow sensor.



- 5) Remove the intake duct and upper cover from air cleaner case.
- 6) Remove the air cleaner element.
- 7) Remove the bolts which install the air cleaner case to body.



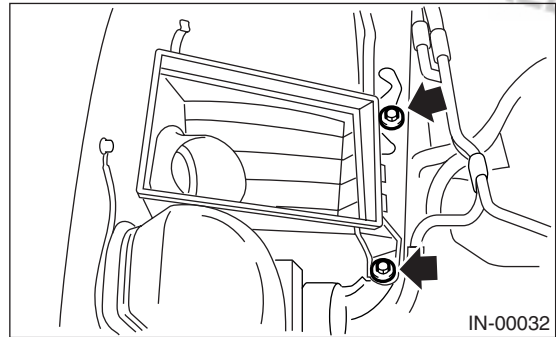
- 8) Remove the air cleaner case.

### B: INSTALLATION

Install in the reverse order of removal.

**Tightening torque:**

**33 N·m (3.4 kgf-m, 24.6 ft-lb)**



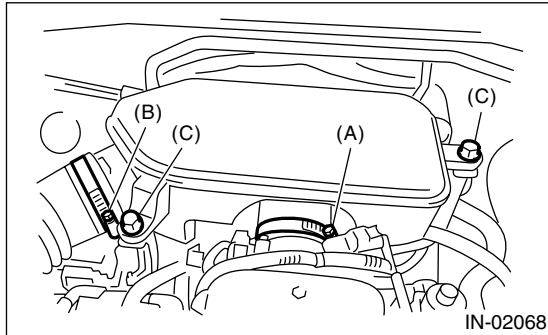
### C: INSPECTION

Inspect for cracks and loose connections.

### 4. Air Intake Chamber

#### A: REMOVAL

- 1) Loosen the clamp (A) which connects the air intake chamber and throttle body.
- 2) Loosen the clamp (B) which connects the air intake chamber and intake duct.
- 3) Remove the bolts (C) which connects the air intake chamber to the stay.



- 4) Disconnect the two blow-by hoses, and then remove the air intake chamber.

#### B: INSTALLATION

Install in the reverse order of removal.

##### *Tightening torque:*

**Clamp (A), (B)**

**3 N·m (0.3 kgf-m, 2.1 ft-lb)**

**Bolt (C)**

**6.5 N·m (0.66 kgf-m, 4.8 ft-lb)**

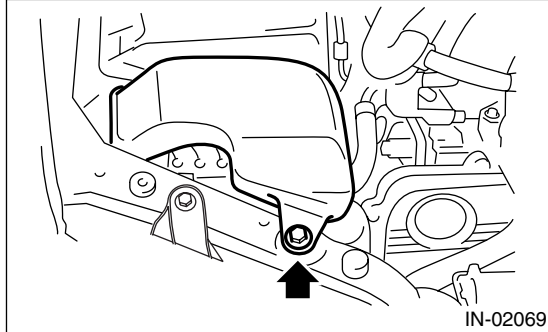
#### C: INSPECTION

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

## 5. Air Intake Duct

### A: REMOVAL

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



### B: INSTALLATION

Install in the reverse order of removal.

#### *Tightening torque:*

**7.5 N·m (0.76 kgf-m, 5.5 ft-lb)**

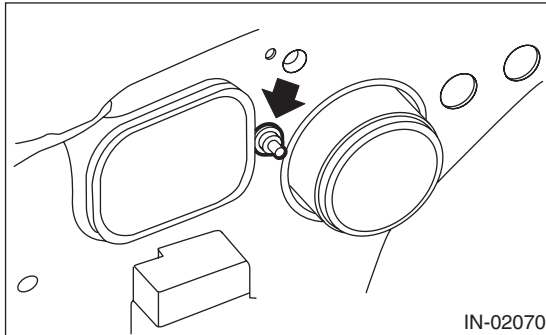
### C: INSPECTION

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

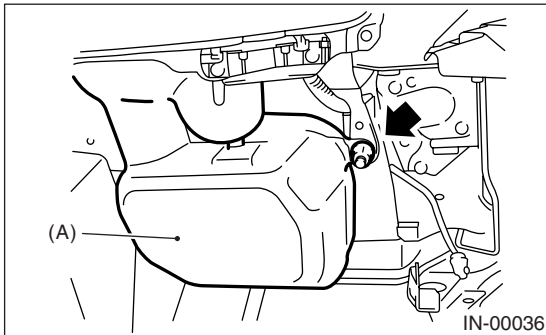
### 6. Resonator Chamber

#### A: REMOVAL

- 1) Set the vehicle on a lift.
- 2) Remove the air intake duct.
- 3) Remove the air cleaner lower case. <Ref. to IN(H4SO)-5, REMOVAL, Air Cleaner Case.>
- 4) Remove the resonator chamber mounting nut on the right side of engine compartment.



- 5) Lift-up the vehicle, and then remove the front wheel RH.
- 6) Remove the front mud guard RH.
- 7) Remove the resonator chamber (A) from inside front fender.



#### B: INSTALLATION

Install in the reverse order of removal.

#### *Tightening torque:*

**7.5 N·m (0.76 kgf-m, 5.5 ft-lb)**

#### C: INSPECTION

- 1) Inspect for cracks and loose connections.
- 2) Inspect that no foreign objects are mixed in resonator chamber.