

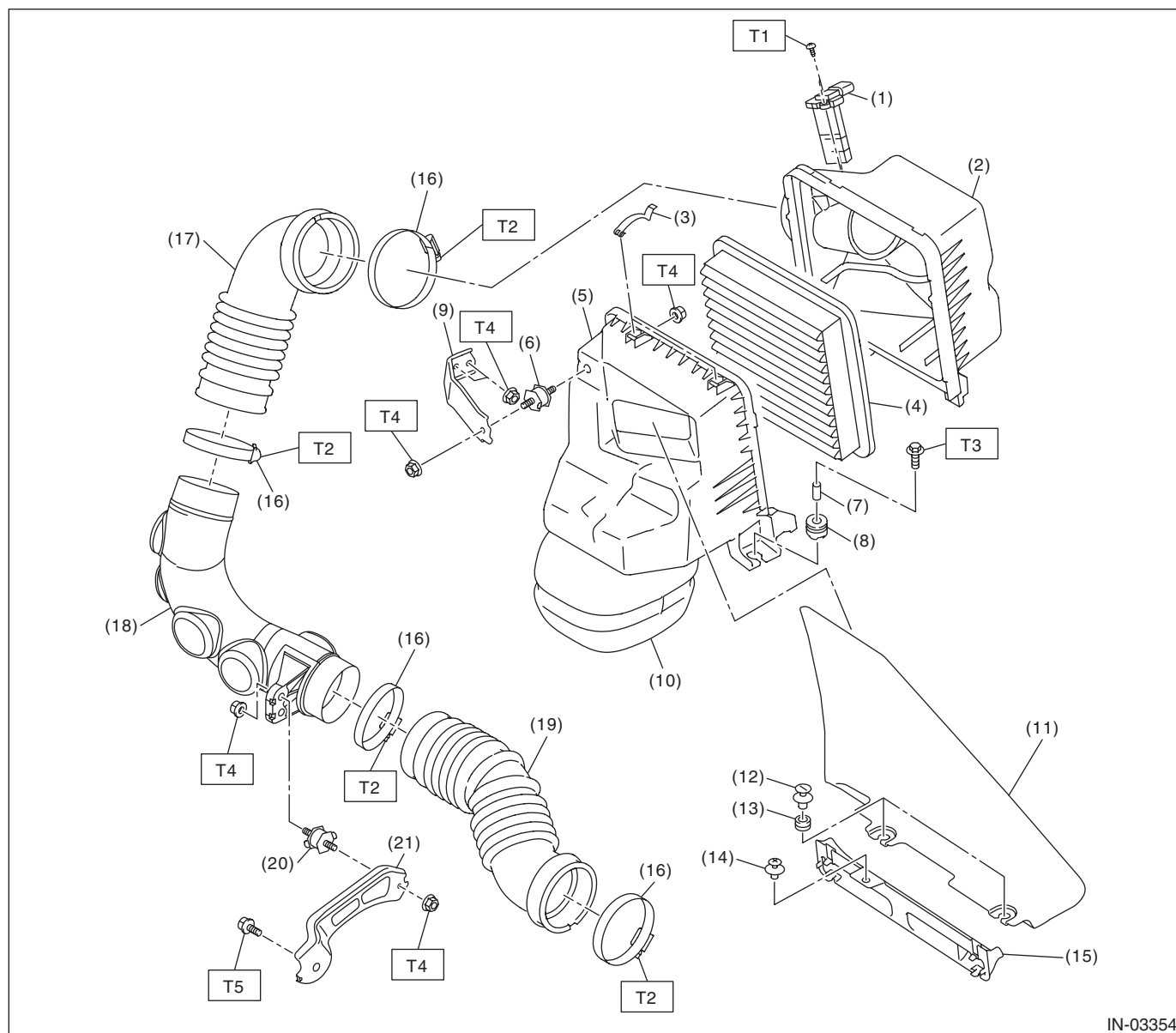
General Description

INTAKE (INDUCTION)

1. General Description

A: COMPONENT

1. AIR CLEANER



IN-03354

- | | |
|---|------------------------------|
| (1) Mass air flow and intake air temperature sensor | (11) Air intake duct (rear) |
| (2) Air cleaner case (rear) | (12) Clip |
| (3) Clip | (13) Cushion |
| (4) Air cleaner element | (14) Clip |
| (5) Air cleaner case (front) | (15) Air intake duct (front) |
| (6) Cushion | (16) Clamp |
| (7) Spacer | (17) Air intake boot A |
| (8) Cushion | (18) Turbo duct |
| (9) Air cleaner case bracket | (19) Air intake boot B |
| (10) Resonator chamber | (20) Cushion |
| | (21) Duct bracket |

Tightening torque: N·m (kgf·m, ft·lb)

T1: 1 (0.1, 0.7)

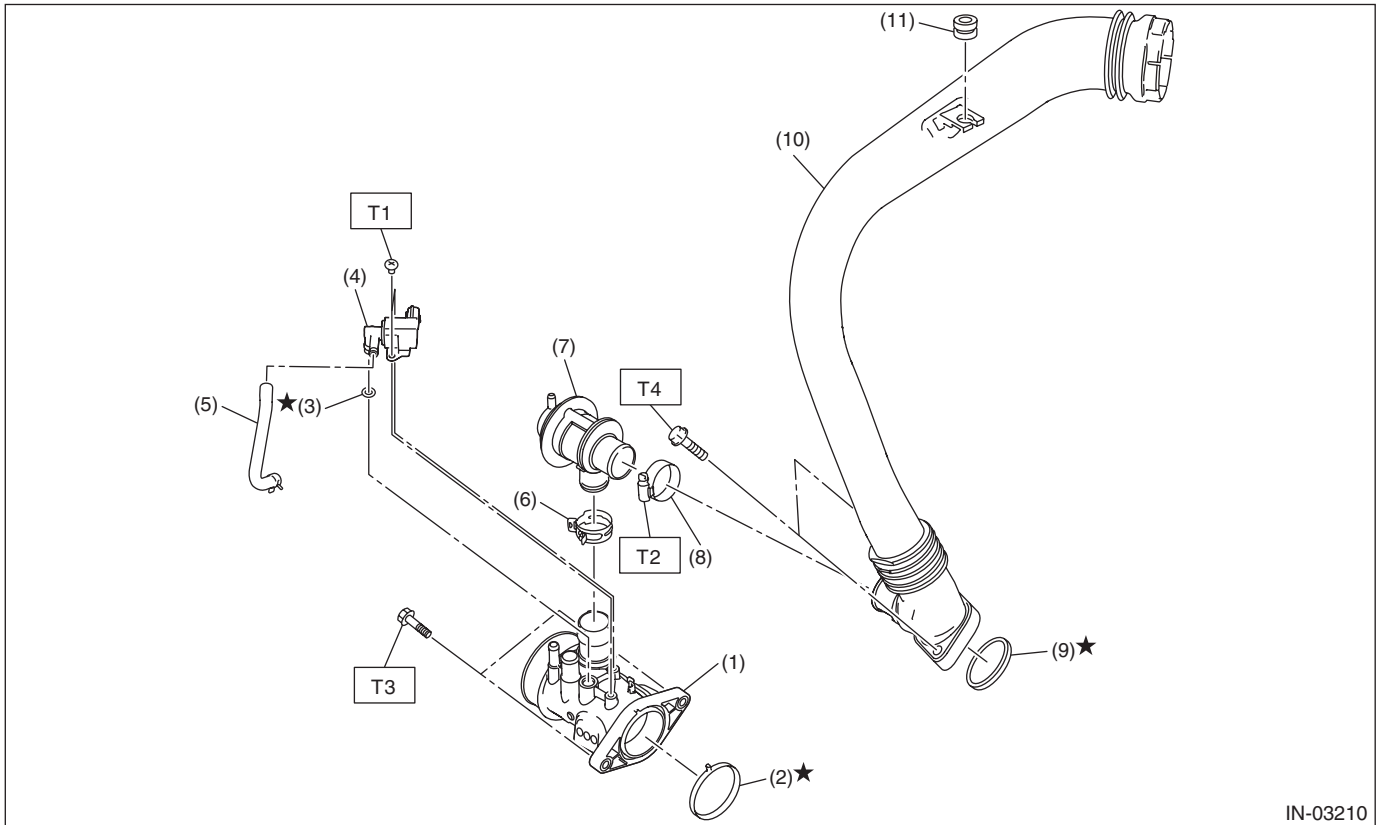
T2: 2.5 (0.3, 1.8)

T3: 6 (0.6, 4.4)

T4: 7.5 (0.8, 5.5)

T5: 18 (1.8, 13.3)

2. INTAKE DUCT



IN-03210

- | | |
|--------------------------------------|------------------------|
| (1) Intake duct No. 1 | (7) Air by-pass valve |
| (2) O-ring | (8) Clamp |
| (3) O-ring | (9) O-ring |
| (4) Wastegate control solenoid valve | (10) Intake duct No. 2 |
| (5) Vacuum control hose | (11) Cushion |
| (6) Clip | |

Tightening torque: N·m (kgf-m, ft-lb)

T1: 2.8 (0.3, 2.1)

T2: 3 (0.3, 2.2)

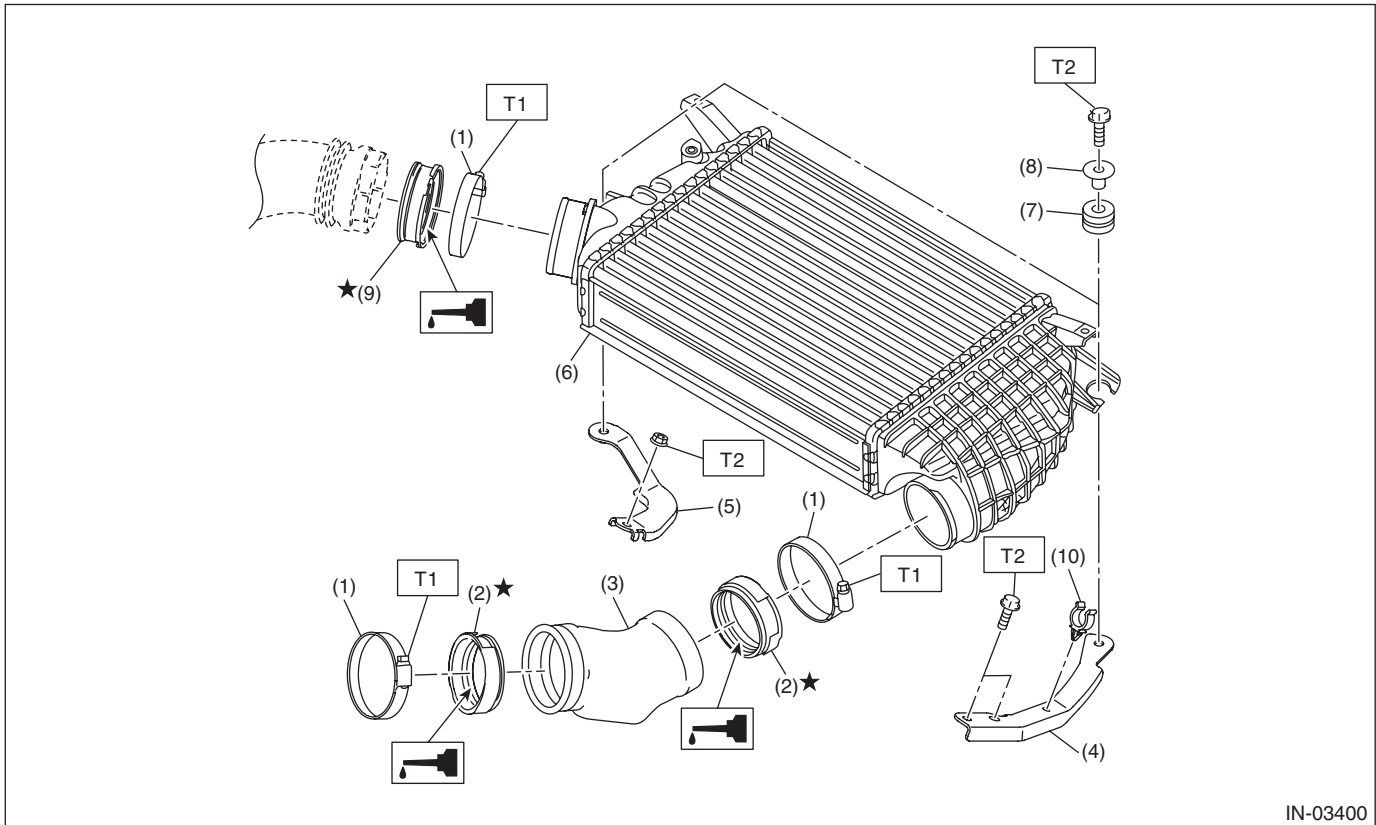
T3: 6.4 (0.7, 4.7)

T4: 16 (1.6, 11.8)

General Description

INTAKE (INDUCTION)

3. INTAKE DUCT AND INTERCOOLER



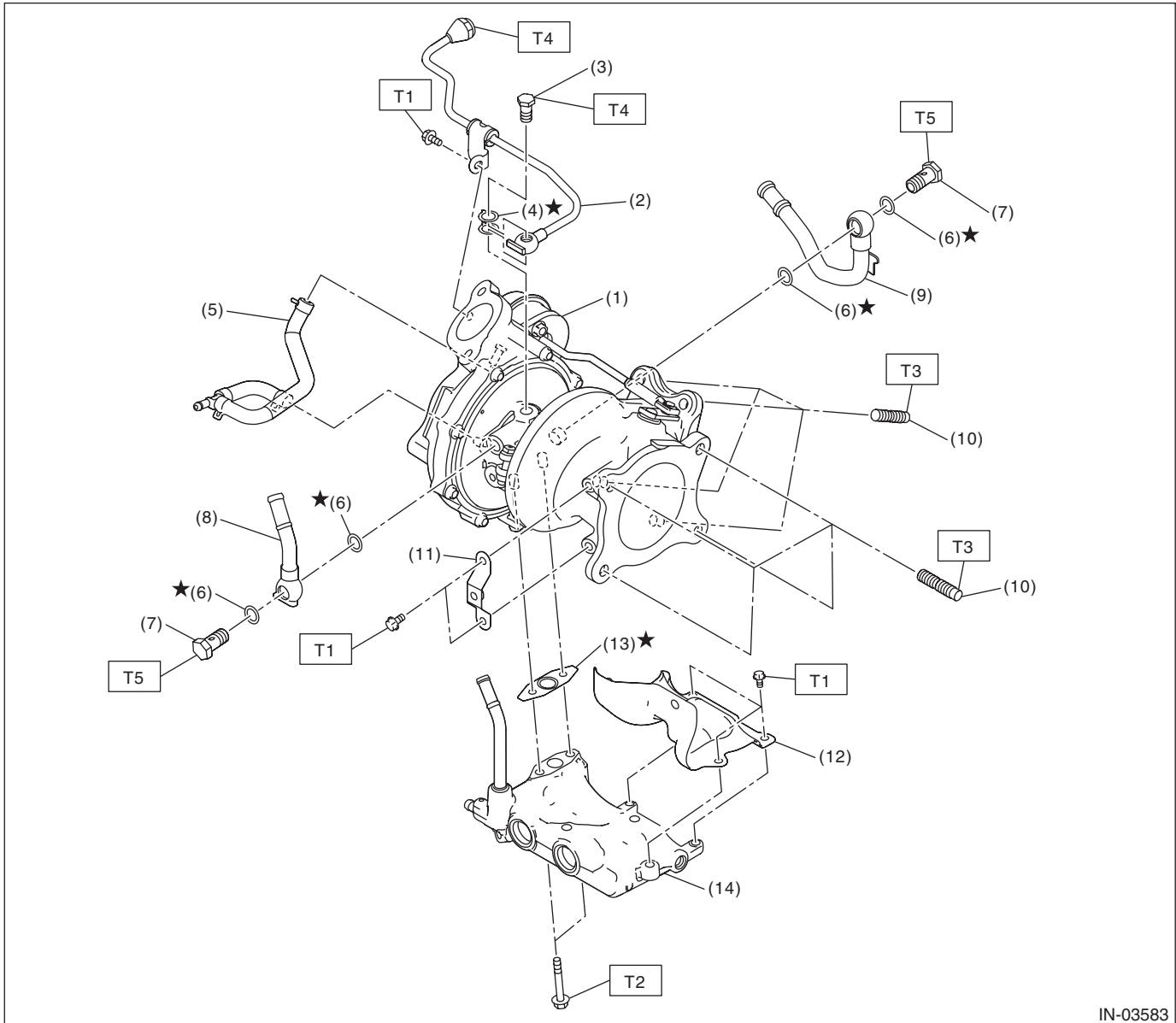
- | | |
|-------------------------|-----------------|
| (1) Clamp | (6) Intercooler |
| (2) Insulator | (7) Cushion |
| (3) Intake duct No. 3 | (8) Spacer |
| (4) Intercooler stay LH | (9) Insulator |
| (5) Intercooler stay RH | (10) Clip |

Tightening torque: N·m (kgf-m, ft-lb)

T1: 3 (0.3, 2.2)

T2: 16 (1.6, 11.8)

4. TURBOCHARGER



IN-03583

- | | |
|---------------------------|-------------------------|
| (1) Turbocharger | (8) Turbocharger pipe A |
| (2) Union screw pipe ASSY | (9) Turbocharger pipe B |
| (3) Union bolt | (10) Stud bolt |
| (4) Gasket | (11) Exhaust stay |
| (5) Air control hose ASSY | (12) Exhaust cover |
| (6) Gasket | (13) Gasket |
| (7) Union bolt | (14) Oil catch tank |

Tightening torque: N·m (kgf-m, ft-lb)

T1: 6.4 (0.7, 4.7)

T2: 10.5 (1.1, 7.7)

T3: 14.7 (1.5, 10.8)

T4: 16 (1.6, 11.8)

T5: 31.5 (3.2, 23.2)

General Description

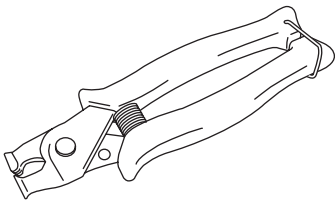
INTAKE (INDUCTION)

B: CAUTION

- Prior to starting work, pay special attention to the following:
 1. Always wear work clothes, a work cap, and protective shoes. Additionally, wear a helmet, protective goggles, etc. if necessary.
 2. Protect the vehicle using a seat cover, fender cover, etc.
 3. Prepare the service tools, clean cloth, containers to catch grease and oil, etc.
- Vehicle components are extremely hot immediately after driving. Be wary of receiving burns from heated parts.
- When performing a repair, identify the cause of trouble and avoid unnecessary removal, disassembly and replacement.
- Before disconnecting connectors of sensors or units, be sure to disconnect the ground cable from battery.
- Always use the jack-up point when the shop jacks or rigid racks are used to support the vehicle.
- Remove contamination including dirt and corrosion before removal, installation, disassembly or assembly.
- Keep the removed parts in order and protect them from dust and dirt.
- All removed parts, if to be reused, should be reinstalled in the original positions with attention to the correct directions, etc.
- Bolts, nuts and washers should be replaced with new parts as required.
- Be sure to tighten the fasteners including bolts and nuts to the specified torque.

C: PREPARATION TOOL

1. SPECIAL TOOL

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 ST18353AA000	18353AA000	CLAMP PLIERS	• Used for removing and installing the PCV hose assembly. • This tool is made by the French company CAILLAU. (code) 54.0.000.205 To make it easier to obtain, it has been provided with a tool number.

2. GENERAL TOOL

TOOL NAME	REMARKS
TORX® socket E10	Used for disassembling and assembling the turbocharger.
Mighty Vac	Used for checking waste gate actuator and air by-pass valve.