

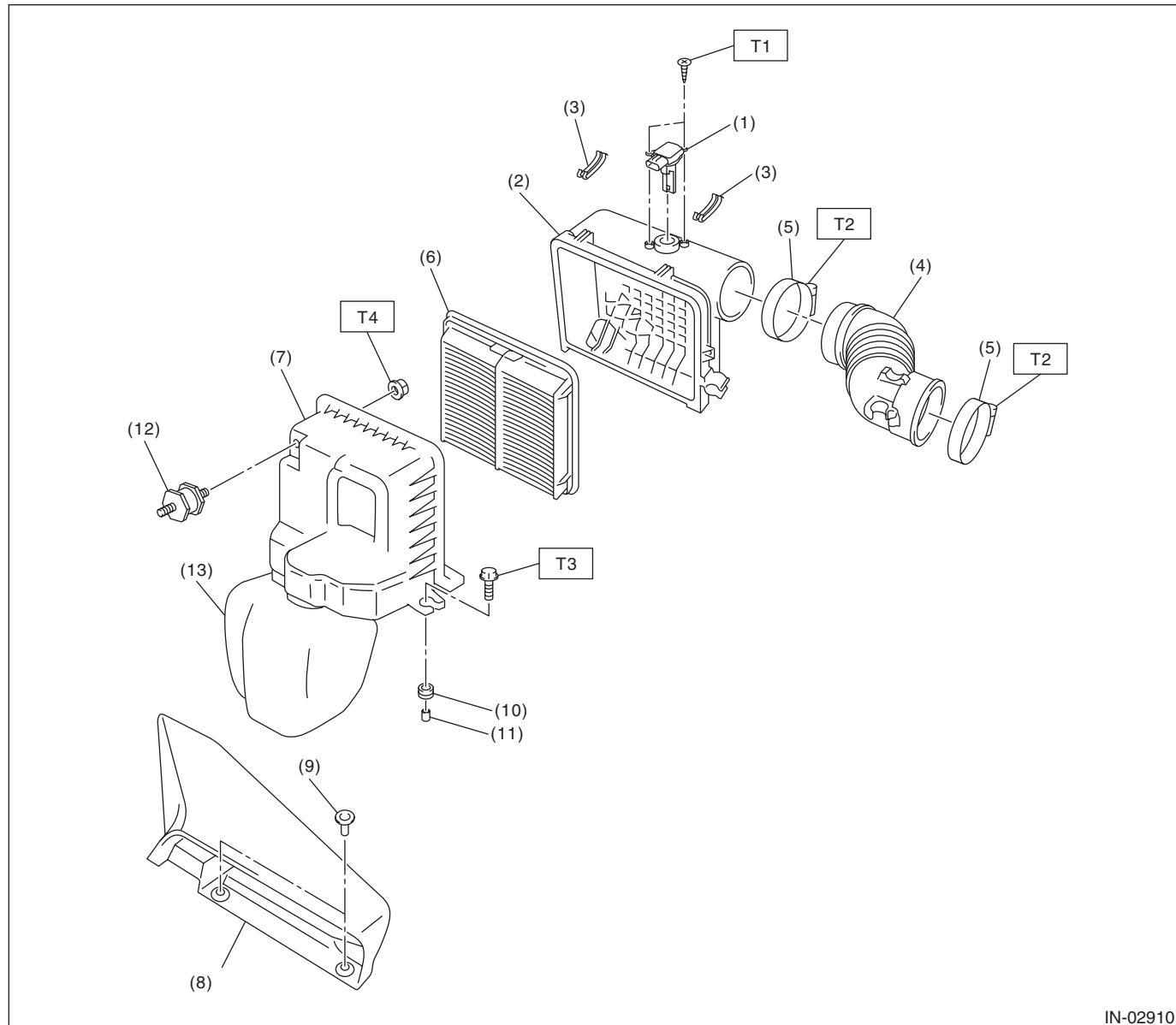
# General Description

## INTAKE (INDUCTION)

### 1. General Description

#### A: COMPONENT

##### 1. AIR CLEANER



IN-02910

(1) Mass air flow and intake air temperature sensor	(8) Air intake duct
(2) Air cleaner case (rear)	(9) Clip
(3) Clip	(10) Cushion
(4) Air intake boot	(11) Spacer
(5) Clamp	(12) Cushion
(6) Air cleaner element	(13) Resonator chamber
(7) Air cleaner case (front)	

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

***T1: 1 (0.1, 0.7)***

***T2: 2.5 (0.3, 1.8)***

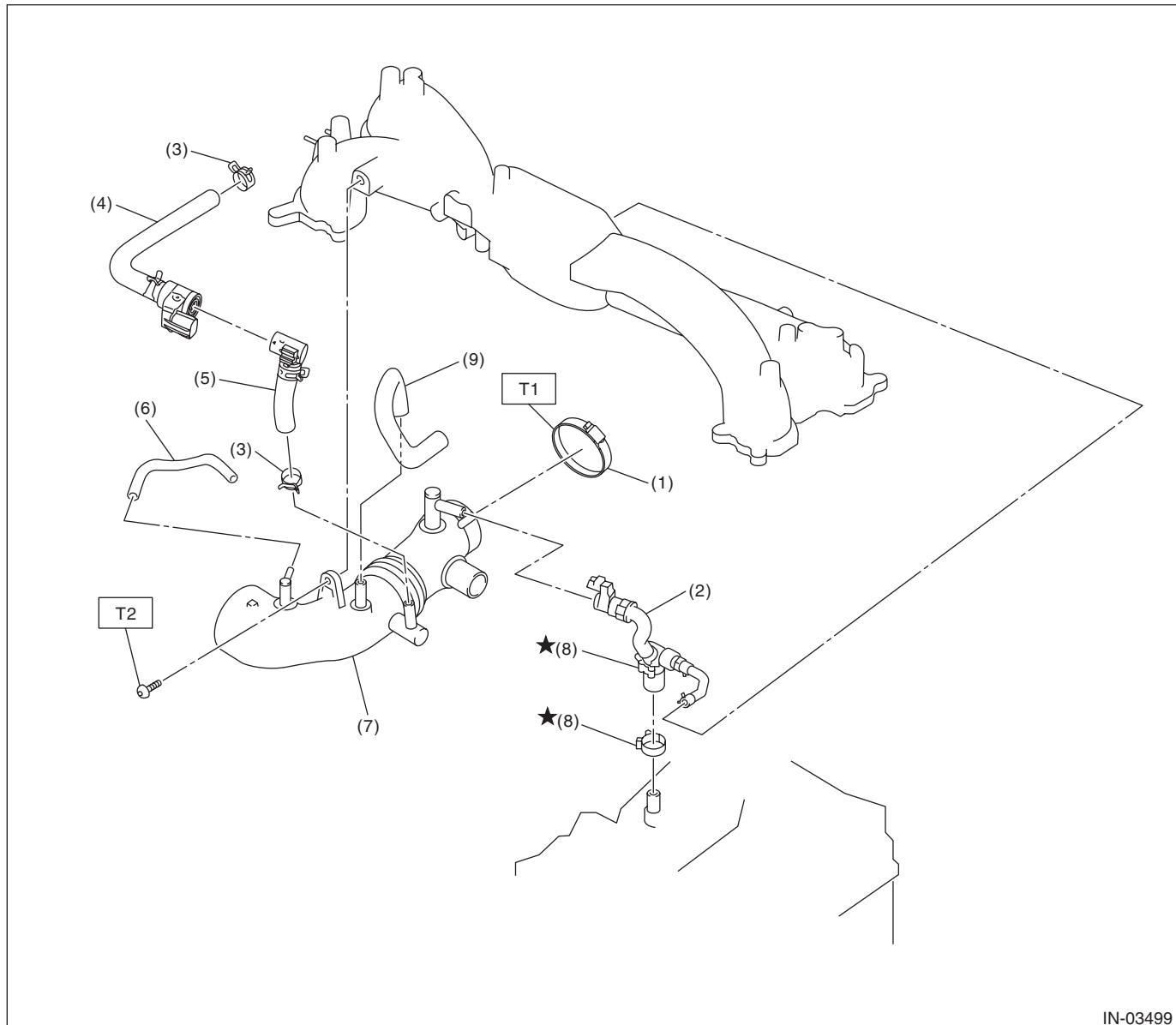
***T3: 6 (0.6, 4.4)***

***T4: 7.5 (0.8, 5.5)***

# General Description

## INTAKE (INDUCTION)

### 2. INTAKE DUCT



IN-03499

(1) Clamp	(6) Vacuum hose A
(2) PCV hose ASSY A	(7) Intake duct
(3) Clip	(8) Clamp
(4) PCV hose ASSY B	(9) Vacuum hose B
(5) PCV hose ASSY C	

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

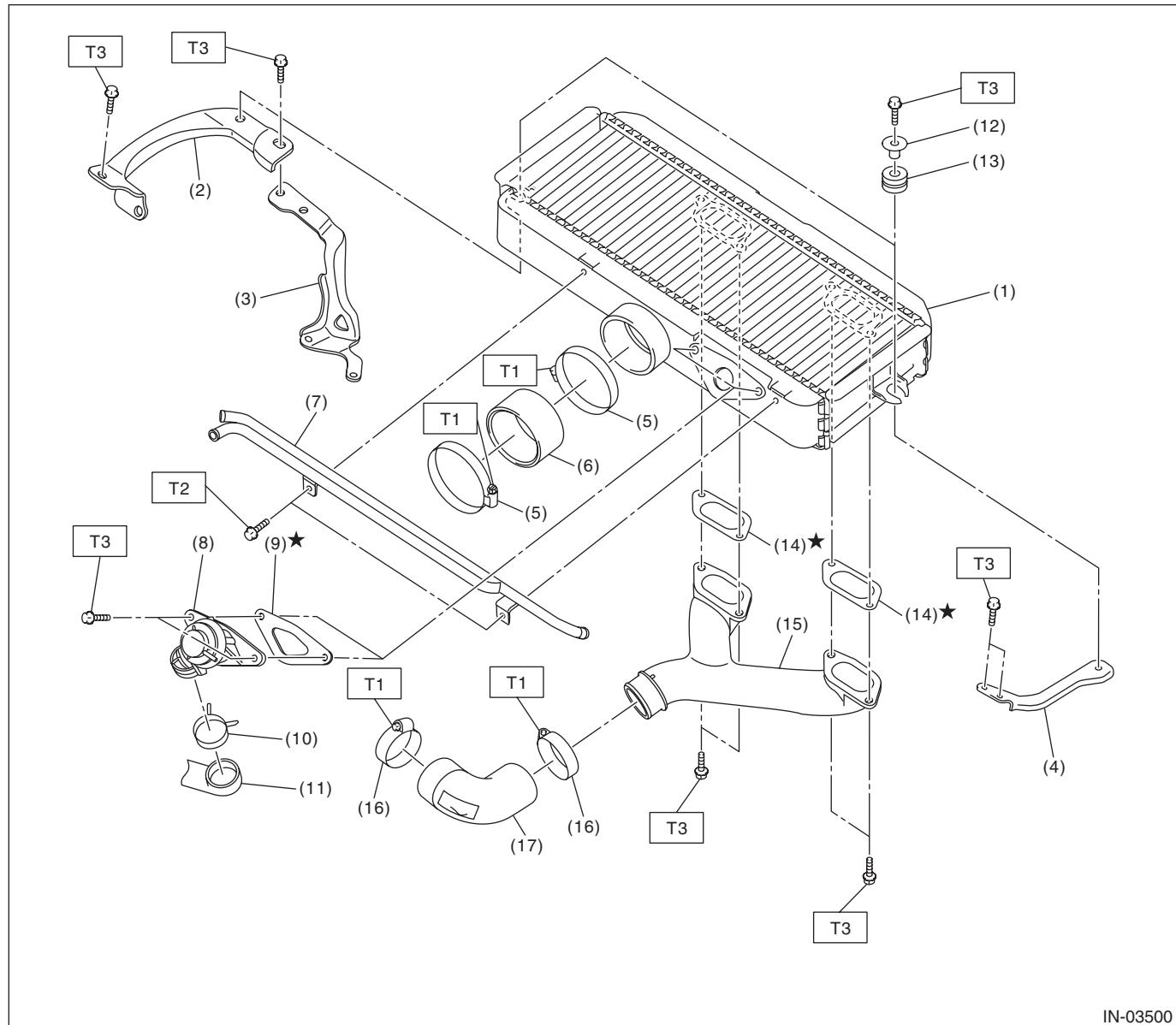
**T1: 3 (0.3, 2.2)**

**T2: 17 (1.7, 12.5)**

# General Description

## INTAKE (INDUCTION)

### 3. INTERCOOLER



IN-03500

(1) Intercooler	(9) Gasket	(16) Clamp
(2) Intercooler stay A	(10) Clip	(17) Intake duct
(3) Intercooler stay B	(11) Air by-pass hose	
(4) Intercooler stay C	(12) Spacer	
(5) Clamp	(13) Cushion	
(6) Air duct hose	(14) Gasket	
(7) PCV pipe	(15) Intercooler duct	
(8) Air by-pass valve		

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

**T1: 3 (0.3, 2.2)**

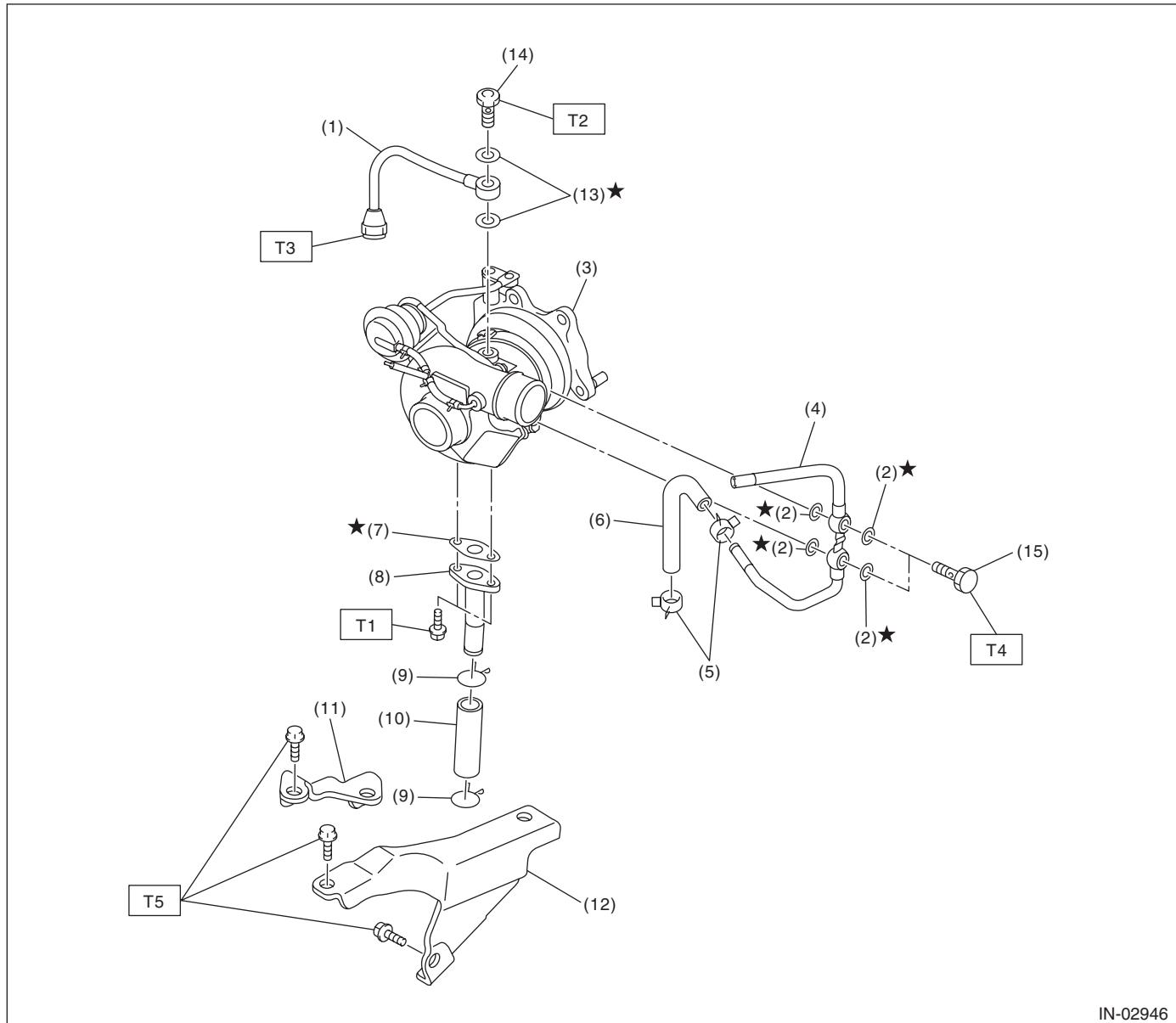
**T2: 5.5 (0.6, 4.1)**

**T3: 16 (1.6, 11.8)**

# General Description

INTAKE (INDUCTION)

## 4. TURBOCHARGER



(1) Oil inlet pipe	(9) Clip
(2) Gasket	(10) Oil outlet hose
(3) Turbocharger	(11) Turbocharger stay RH
(4) Water pipe	(12) Turbocharger stay LH
(5) Clip	(13) Gasket
(6) Engine coolant hose	(14) Union bolt A
(7) Gasket	(15) Union bolt B
(8) Oil outlet pipe	

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

**T1: 4.9 (0.5, 3.6)**

**T2: 16 (1.6, 11.8)**

**T3: 20 (2.0, 14.8)**

**T4: 23 (2.3, 17.0)**

**T5: 33 (3.4, 24.3)**

# General Description

## INTAKE (INDUCTION)

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### 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. GENERAL TOOL

TOOL NAME	REMARKS
Mighty Vac	Used for checking waste gate actuator and air by-pass valve.