

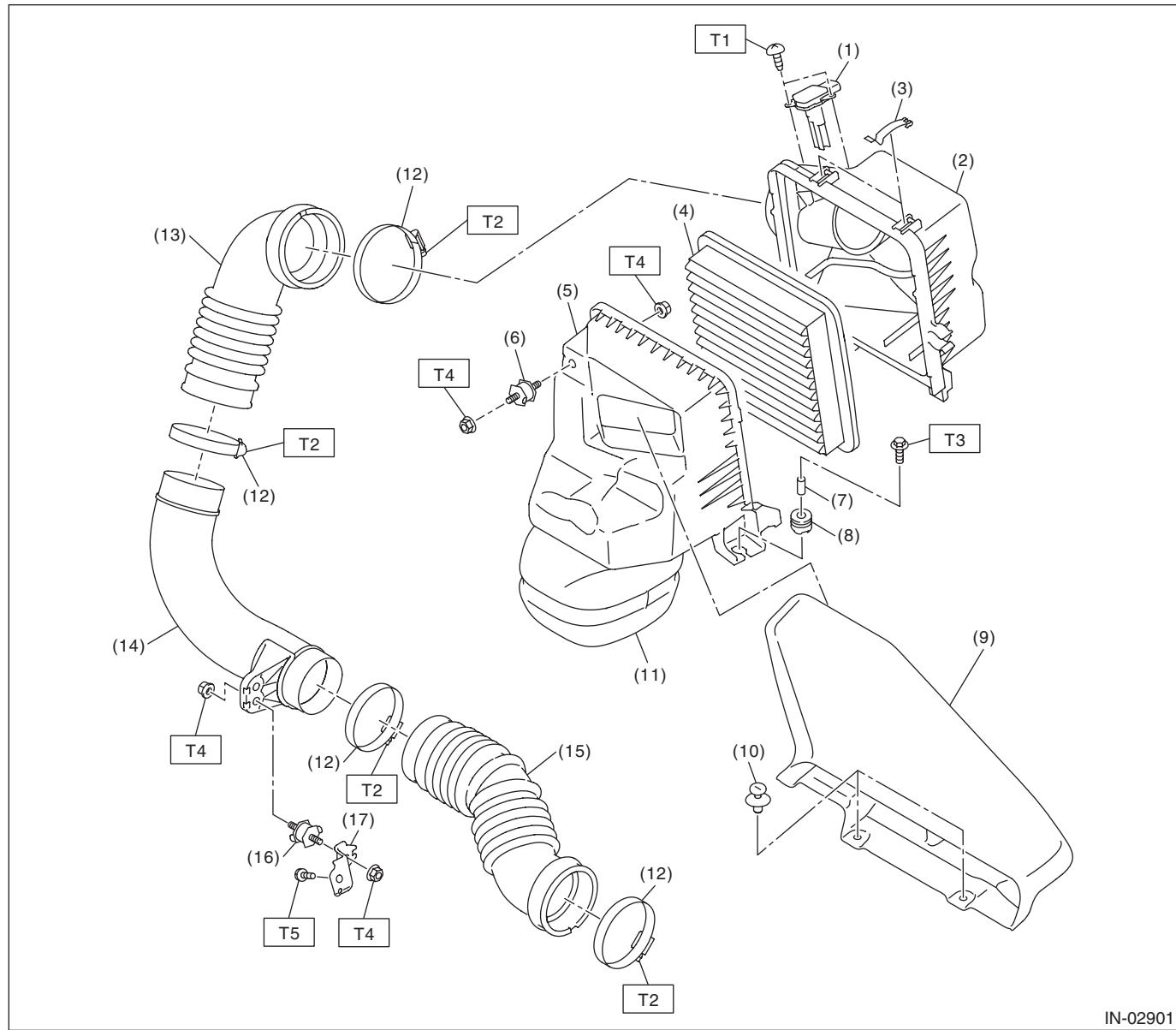
General Description

INTAKE (INDUCTION)

1. General Description

A: COMPONENT

1. AIR CLEANER



IN-02901

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

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)

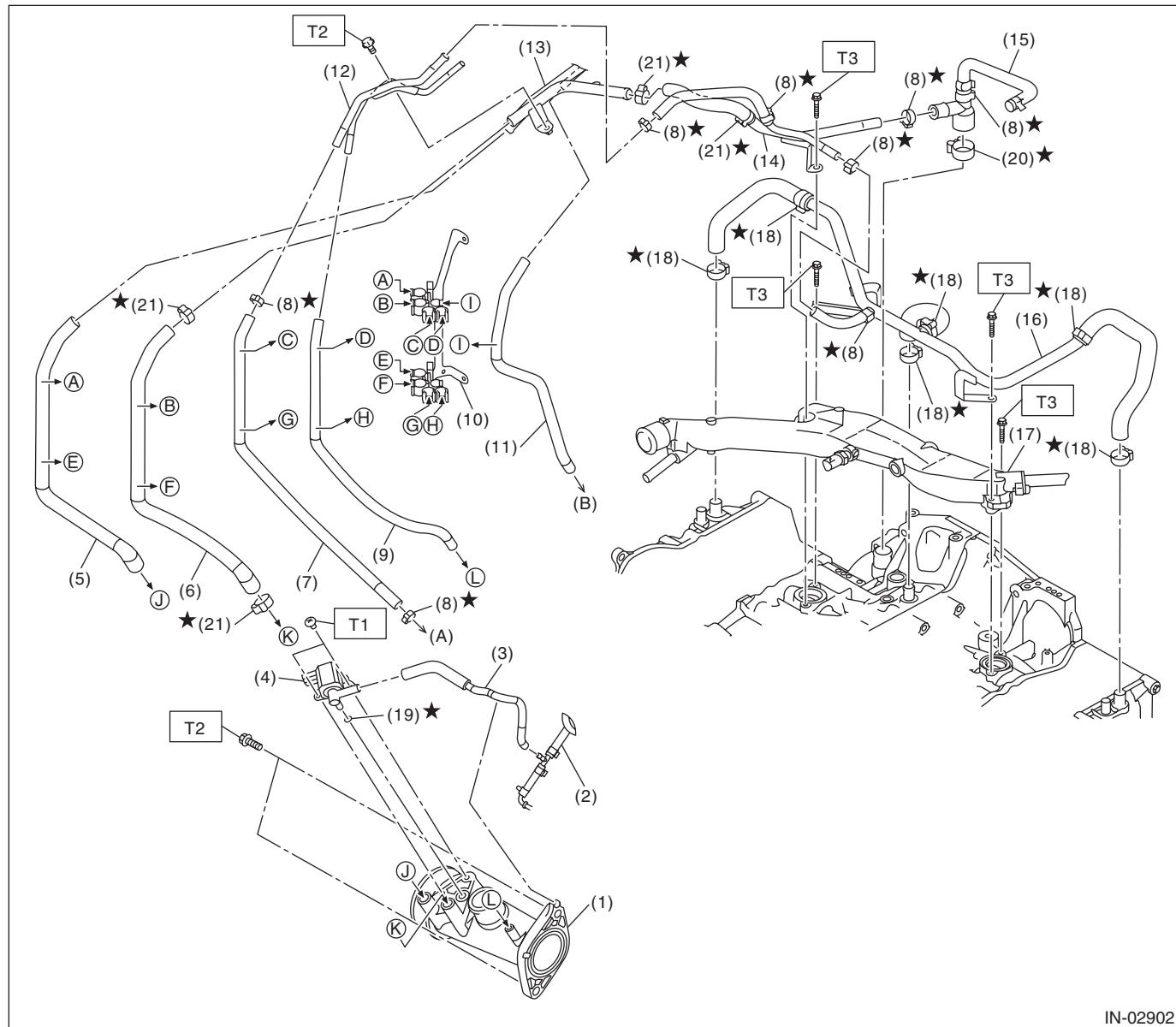
T4: 7.5 (0.8, 5.5)

T5: 18 (0.8, 13.3)

General Description

INTAKE (INDUCTION)

2. INTAKE DUCT



IN-02902

(A) To oil catch tank

(B) To air by-pass valve

- (1) Intake duct
- (2) Boost hose ASSY
- (3) Air control hose
- (4) Wastegate control solenoid valve
- (5) Vacuum hose A
- (6) Vacuum hose B
- (7) Vacuum hose C
- (8) Clamp
- (9) Vacuum hose D

- (10) Hose clip stay ASSY
- (11) Vacuum control hose
- (12) Blow-by pipe
- (13) PCV pipe
- (14) Blow-by pipe ASSY A
- (15) PCV hose ASSY
- (16) Blow-by pipe ASSY B
- (17) Water pipe ASSY
- (18) Clamp

- (19) O-ring
- (20) Clamp
- (21) Clamp

Tightening torque:N·m (kgf·m, ft·lb)

T1: 4 (0.4, 3.0)

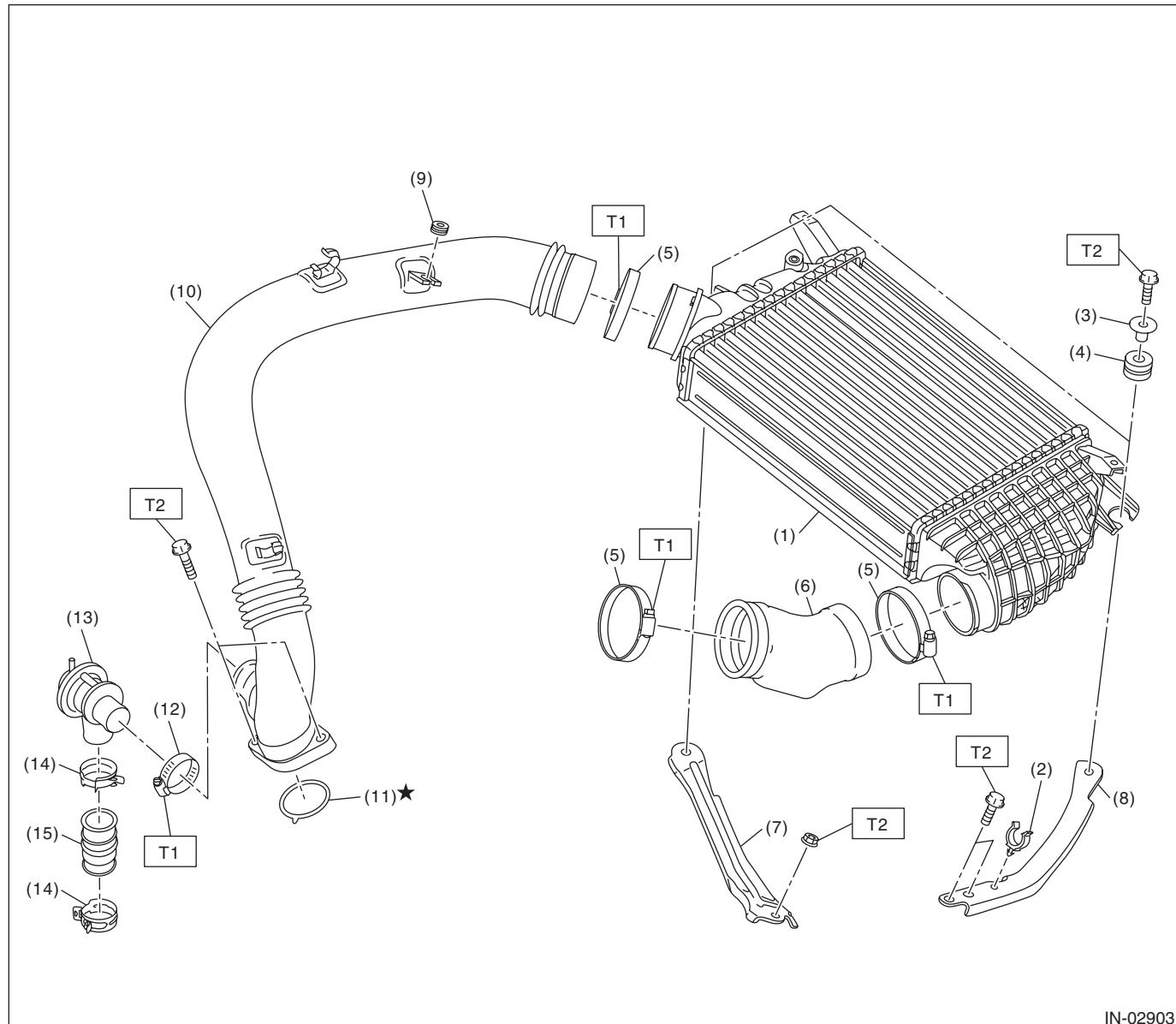
T2: 6.4 (0.7, 4.7)

T3: 6.5 (0.7, 4.8)

General Description

INTAKE (INDUCTION)

3. INTERCOOLER



IN-02903

(1) Intercooler	(8) Intercooler stay LH	(15) Intake boot
(2) Clip	(9) Cushion	
(3) Spacer	(10) Intake duct B	
(4) Cushion	(11) O-ring	
(5) Clamp	(12) Clamp	
(6) Intake duct A	(13) Air by-pass valve	
(7) Intercooler stay RH	(14) Clip	

Tightening torque:N·m (kgf·m, ft·lb)

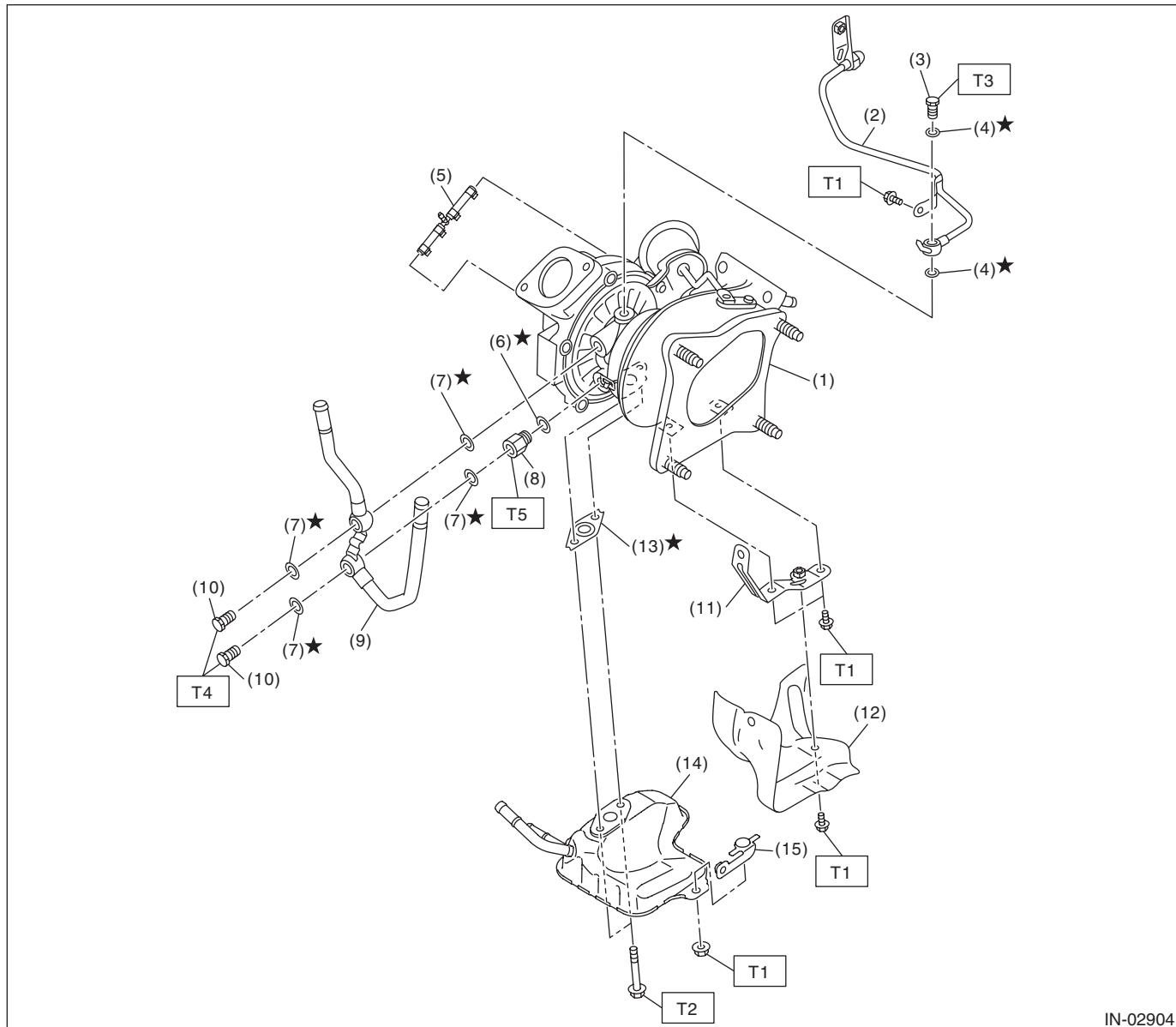
T1: 3 (0.3, 2.2)

T2: 16 (1.6, 11.8)

General Description

INTAKE (INDUCTION)

4. TURBOCHARGER



(1) Turbocharger	(9) Water pipe
(2) Oil inlet pipe	(10) Union bolt
(3) Union bolt	(11) Exhaust stay
(4) Gasket	(12) Exhaust cover
(5) Boost hose ASSY	(13) Gasket
(6) Gasket	(14) Oil catch tank
(7) Gasket	(15) Oil catch tank stay
(8) Water pipe connector	

Tightening torque:N·m (kgf·m, ft·lb)

T1: 6.4 (0.7, 4.7)

T2: 10.5 (1.1, 7.7)

T3: 16 (1.6, 11.8)

T4: 31.5 (3.2, 23.2)

T5: 36.5 (3.7, 26.9)

General Description

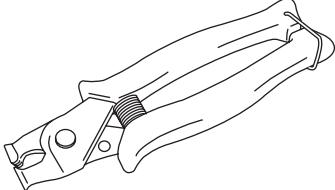
INTAKE (INDUCTION)

B: CAUTION

- Wear appropriate work clothing, including a cap, protective goggles and protective shoes when performing any work.
- 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.
- Vehicle components are extremely hot after driving. Be wary of receiving burns from heated parts.
- 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 connectors of sensors or units, be sure to disconnect the ground cable from the battery.

C: PREPARATION TOOL

1. SPECIAL TOOL

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 ST18353AA000	18353AA000	CLAMP PLIERS	<ul style="list-style-type: none">• Used for removing and installing the PCV hose.• 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
Mighty Vac	Used for checking waste gate actuator and air by-pass valve.