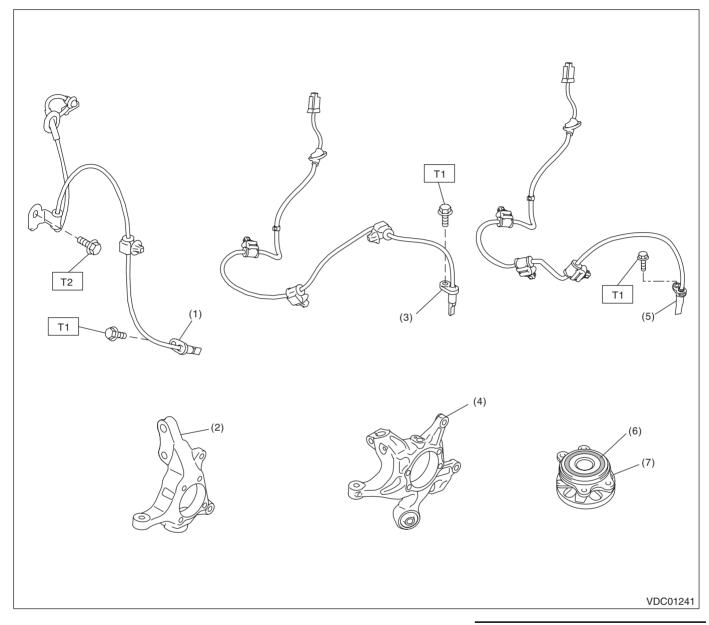
1. General Description

A: SPECIFICATION

	Item	Specification or identification		
ABS wheel speed sensor	ABS wheel speed sensor	Front		0.77 — 1.43 mm (0.030 — 0.056 in)
	gap (for reference)	Rear		0.44 — 1.76 mm (0.017 — 0.069 in)
	Identifications of harness (symbol)	Front	RH	Z1
			LH	Z2
		Rear	RH (except for XV model)	Z3
			RH (XV model)	Z5
			LH (except for XV model)	Z4
			LH (XV model)	Z6
VDCCM&H/U identification		Models without	Gasoline engine model	XQ
		EyeSight	HEV model	XX
		Models with EyeSight		XW

B: COMPONENT

1. ABS WHEEL SPEED SENSOR



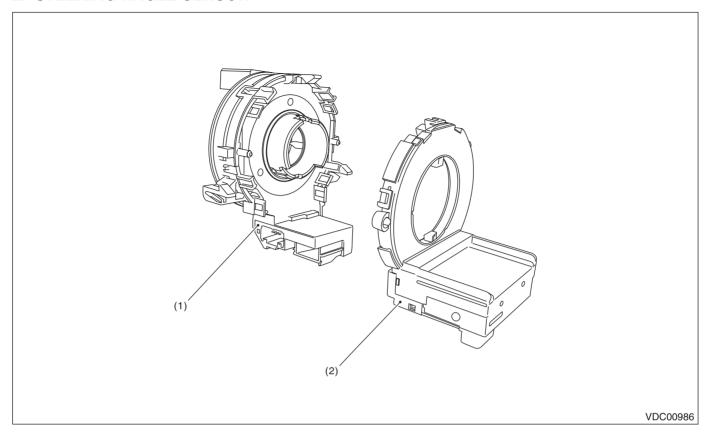
- (1) Front ABS wheel speed sensor
- (2) Housing ASSY front axle
- (3) Rear ABS wheel speed sensor (except for XV model)
- (4) Housing ASSY rear axle
- (5) Rear ABS wheel speed sensor (XV model)
- (6) Magnetic encoder
- (7) Hub unit COMPL

Tightening torque: N⋅m (kgf-m, ft-lb)

T1: 7.5 (0.8, 5.5)

T2: 33 (3.4, 24.3)

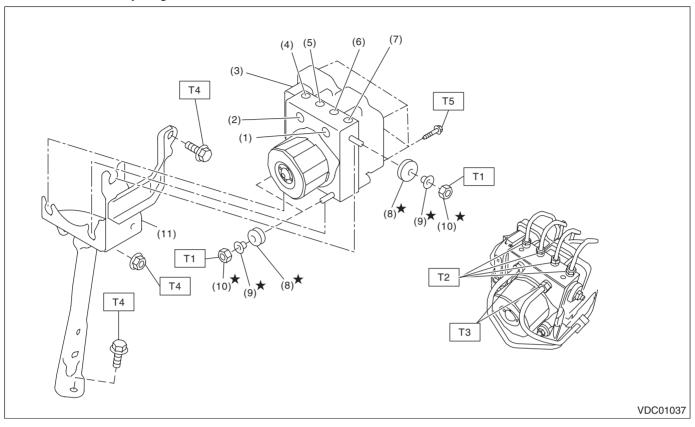
2. STEERING ANGLE SENSOR



- (1) Steering roll connector
- (2) Steering angle sensor

3. VDC CONTROL MODULE & HYDRAULIC CONTROL UNIT (VDCCM&H/U)

• Models without EyeSight



- (1) Primary inlet
- (2) Secondary inlet
- (3) VDC control module and hydraulic control unit (VDCCM&H/U)
- (4) Rear RH outlet
- (5) Front LH outlet
- (6) Front RH outlet

- (7) Rear LH outlet
- (8) Damper hydraulic unit
- (9) Spacer
- (10) Nut
- (11) Bracket hydraulic unit

Tightening torque: N⋅m (kgf-m, ft-lb)

T1: 7.5 (0.8, 5.5)

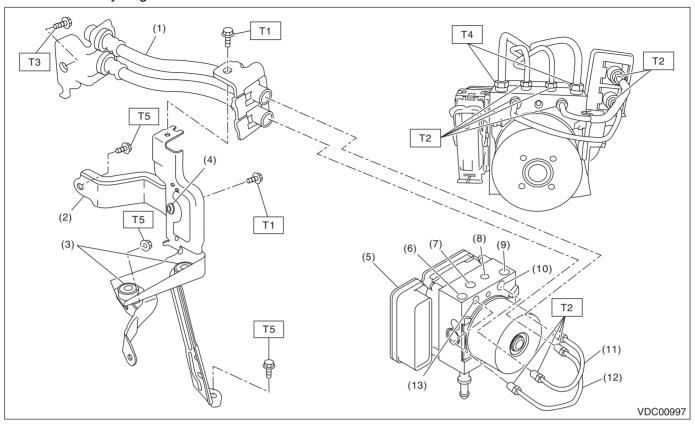
T2: 15 (1.5, 11.1)

T3: 19 (1.9, 14.0)

T4: 33 (3.4, 24.3)

T5: <Ref. to VDC-23, REPLACE-MENT, VDC Control Module and Hydraulic Control Unit (VDCCM&H/U).>

· Models with EyeSight



- (1) Hose ASSY
- (2) Bracket hydraulic unit
- (3) Damper hydraulic unit
- (4) Spacer
- (5) VDC control module and hydraulic control unit (VDCCM&H/U)
- (6) Secondary inlet
- (7) Front LH outlet

- (8) Front RH outlet
- (9) Primary inlet
- (10) Rear LH outlet
- (11) Pipe A
- (12) Pipe B
- (13) Rear RH outlet

Tightening torque: N·m (kgf-m, ft-lb)

T1: 7.5 (0.8, 5.5)

T2: 15 (1.5, 11.1)

T3: 18 (1.8, 13.3)

T4: 19 (1.9, 14.0)

T5: 33 (3.4, 24.3)

C: CAUTION

- Wear appropriate work clothing, including a helmet, 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 disconnecting connectors of sensors or units, be sure to disconnect the ground cable from battery.
- 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.
- When removing, installing or replacing the VDCCM&H/U, VDCCM&H/U bracket, steering wheel or steering angle sensor, perform "VDC sensor midpoint setting mode" of the VDC. <Ref. to VDC-26, VDC SENSOR MIDPOINT SETTING MODE (MODELS WITHOUT EyeSight), ADJUSTMENT, VDC Control Module and Hydraulic Control Unit (VDCCM&H/U).>

D: PREPARATION TOOL

1. SPECIAL TOOL

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
	1B022XU0	SUBARU SELECT MONITOR III KIT	Used for setting of each function and trouble- shooting for electrical system. NOTE: For detailed operation procedures of SUBARU SELECT MONITOR III, refer to "PC application help for Subaru Select Monitor".
ST1B022XU0			

2. GENERAL TOOL

TOOL NAME	REMARKS	
Circuit tester	Used for measuring resistance and voltage.	
Pressure gauge	Used for measuring oil pressure.	
Oscilloscope	Used for measuring the sensor.	
Steering wheel puller	Used for removing the steering wheel.	