

General Description

CLUTCH SYSTEM

1. General Description

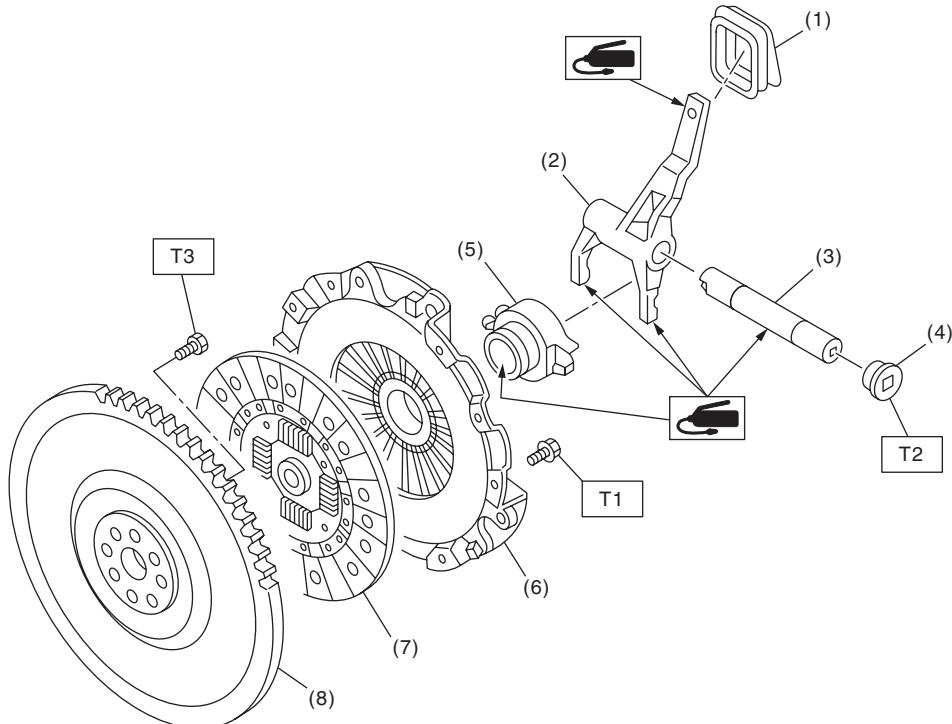
A: SPECIFICATION

Model		STI	Except for STI
Transmission type		6MT	6MT
Clutch cover	Type	Pull type	Push type
	Diaphragm set load N (kgf, lbf)	9,120 (930, 2051)	7,450 (760, 1,675)
Facing material		Woven (non-asbestos)	
Clutch disc	O.D. × I.D. × Thickness mm (in)	Clutch cover side 240 × 160 × 3.5 (9.45 × 6.30 × 0.138)	230 × 155 × 3.5 (9.06 × 6.10 × 0.138)
		Flywheel side 240 × 160 × 3.2 (9.45 × 6.30 × 0.126)	230 × 155 × 3.2 (9.06 × 6.10 × 0.126)
Spline outer diameter mm (in)		25.2 (0.992), (number of teeth: 24)	
Clutch disc	Depth of rivet head mm (in)	Clutch cover side 1.65 — 2.25 (0.065 — 0.089)	
		Flywheel side 1.35 — 1.95 (0.053 — 0.077)	
	Limit of sinking	0.8 (0.031)	
Deflection limit mm (in)		0.7 (0.028) at R = 115 (4.53)	0.7 (0.028) at R = 110 (4.33)
Release bearing		Grease-packed self-aligning	
Clutch pedal	Full stroke mm (in)	130 — 135 (5.12 — 5.31)	135 — 140 (5.31 — 5.51)
	Free play mm (in)	5 — 11 (0.20 — 0.43)	
Flywheel	Type	Conventional	Flexible

B: COMPONENT

1. CLUTCH ASSEMBLY

- STI model



CL-00811

(1) Dust cover	(5) Release bearing
(2) Release lever	(6) Clutch cover
(3) Clutch release lever shaft	(7) Clutch disc
(4) Plug	(8) Conventional flywheel

Tightening torque: N·m (kgf-m, ft-lb)

T1: 16 (1.6, 11.8)

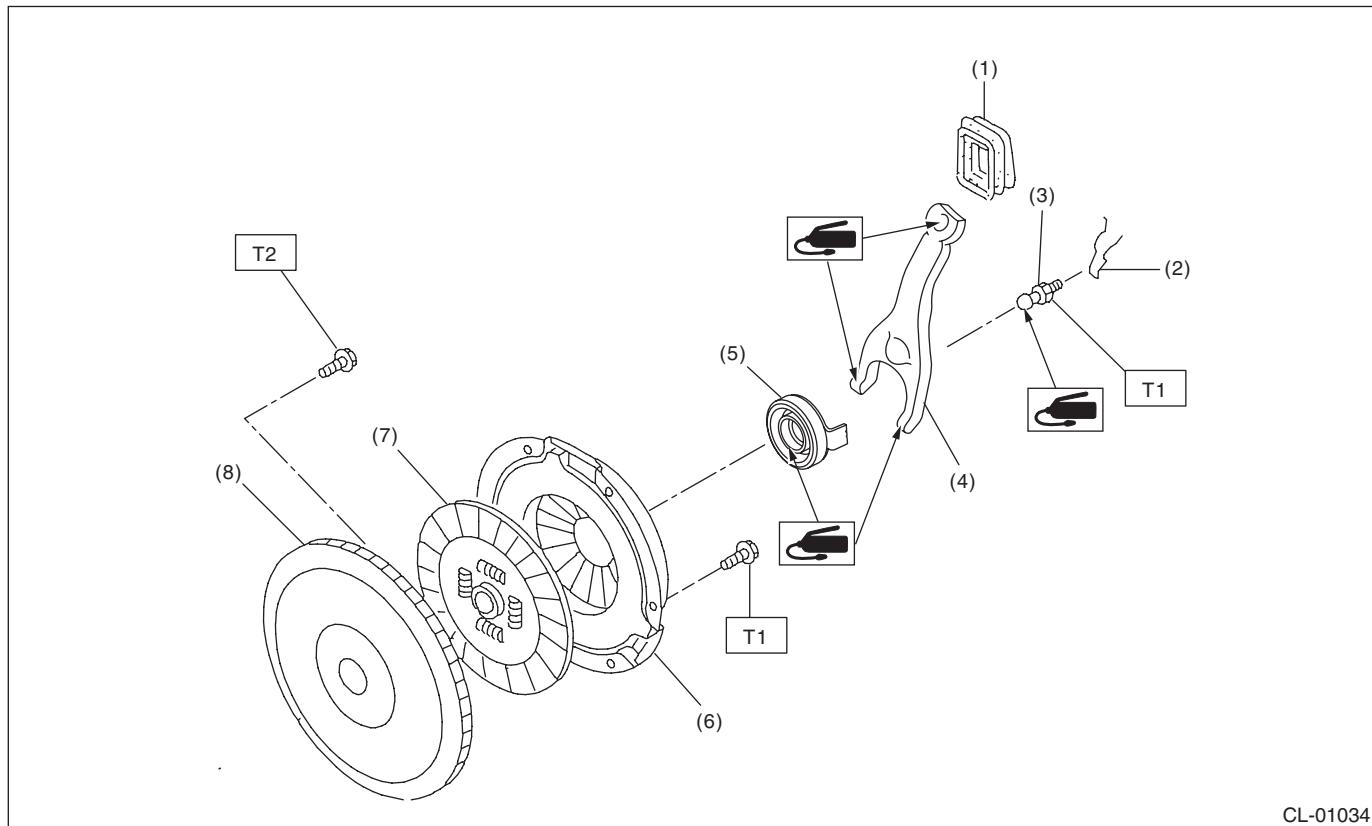
T2: 48 (4.9, 35.4)

T3: 75 (7.6, 55.3)

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- Except for STI model



CL-01034

(1) Dust cover	(5) Release bearing
(2) Lever spring	(6) Clutch cover
(3) Pivot	(7) Clutch disc
(4) Release lever	(8) Flywheel

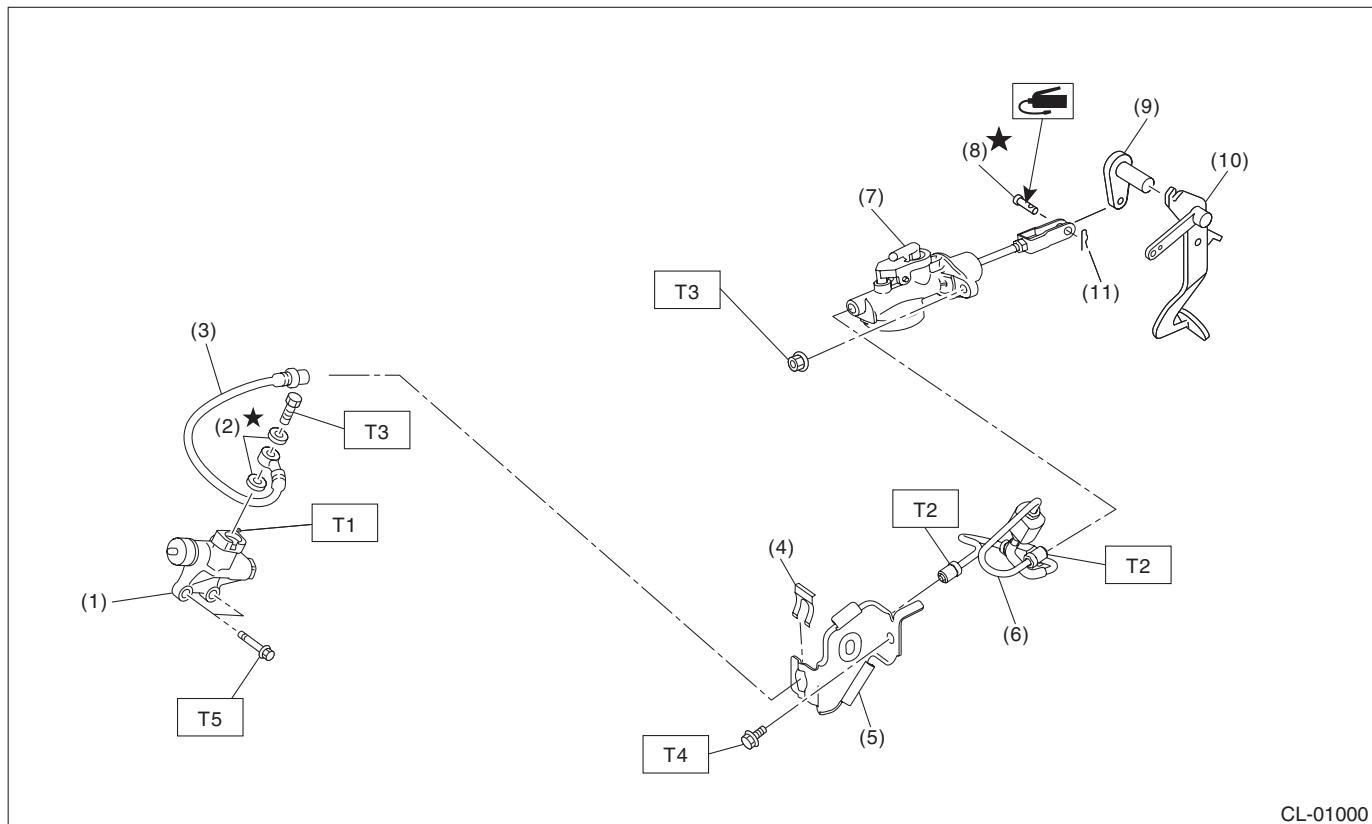
Tightening torque: N·m (kgf·m, ft-lb)

T1: 16 (1.6, 11.8)

**T2: <Ref. to CL-16, EXCEPT FOR
STI MODEL, INSTALLATION,
Flywheel.>**

2. CLUTCH PIPE AND HOSE

- STI model



(1)	Operating cylinder	(7)	Master cylinder ASSY
(2)	Washer	(8)	Clevis pin
(3)	Clutch hose	(9)	Lever
(4)	Clip	(10)	Pedal
(5)	Clutch bracket	(11)	Snap pin
(6)	Clutch pipe		

Tightening torque: N·m (kgf·m, ft·lb)

T1: 7.8 (0.8, 5.8)

T2: 15 (1.5, 11.1)

T3: 18 (1.8, 13.3)

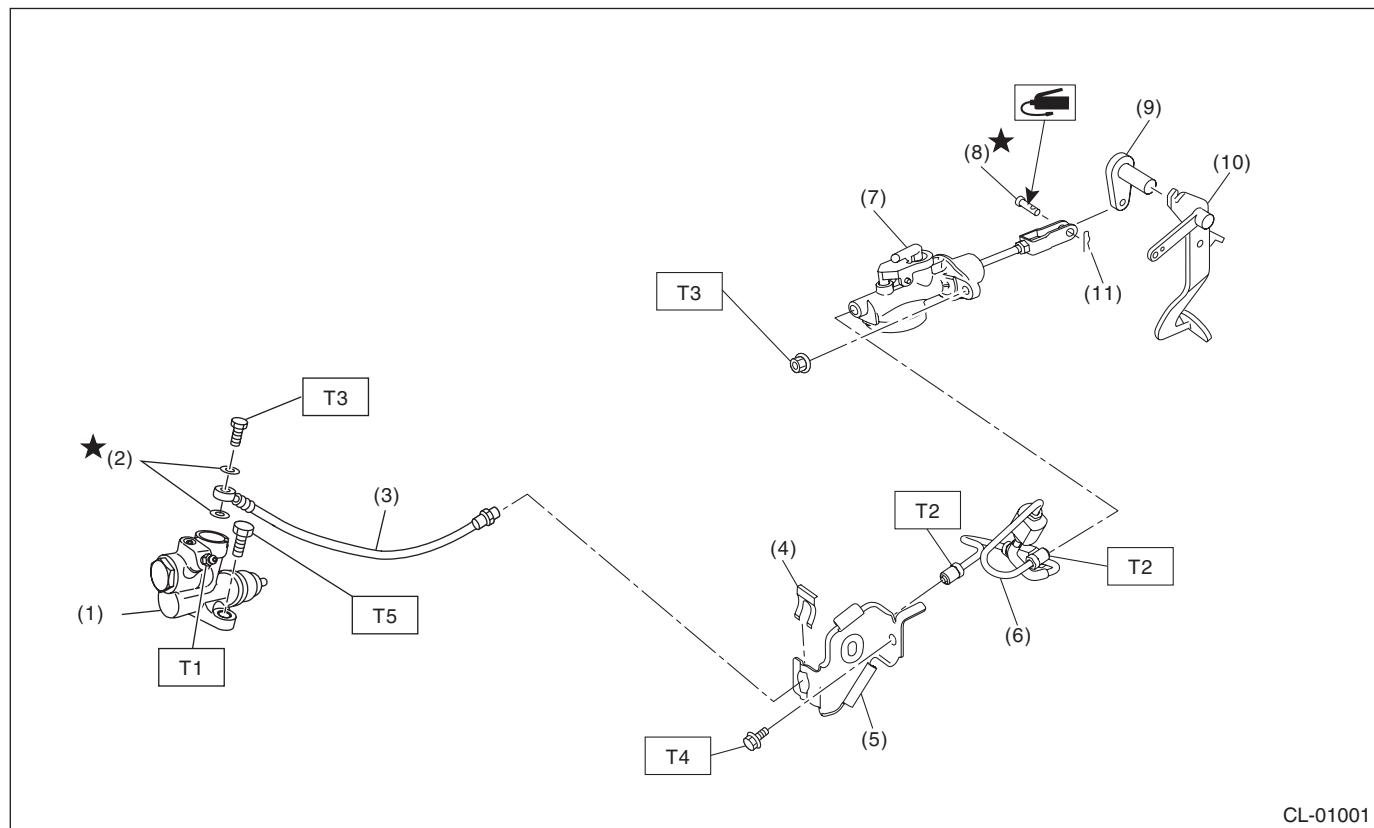
T4: 25 (2.5, 18.4)

T5: 41 (4.2, 30.2)

General Description

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- Except for STI model



CL-01001

(1) Operating cylinder	(7) Master cylinder ASSY
(2) Washer	(8) Clevis pin
(3) Clutch hose	(9) Lever
(4) Clip	(10) Pedal
(5) Clutch bracket	(11) Snap pin
(6) Clutch pipe	

Tightening torque: N·m (kgf·m, ft-lb)

T1: 7.8 (0.8, 5.8)

T2: 15 (1.5, 11.1)

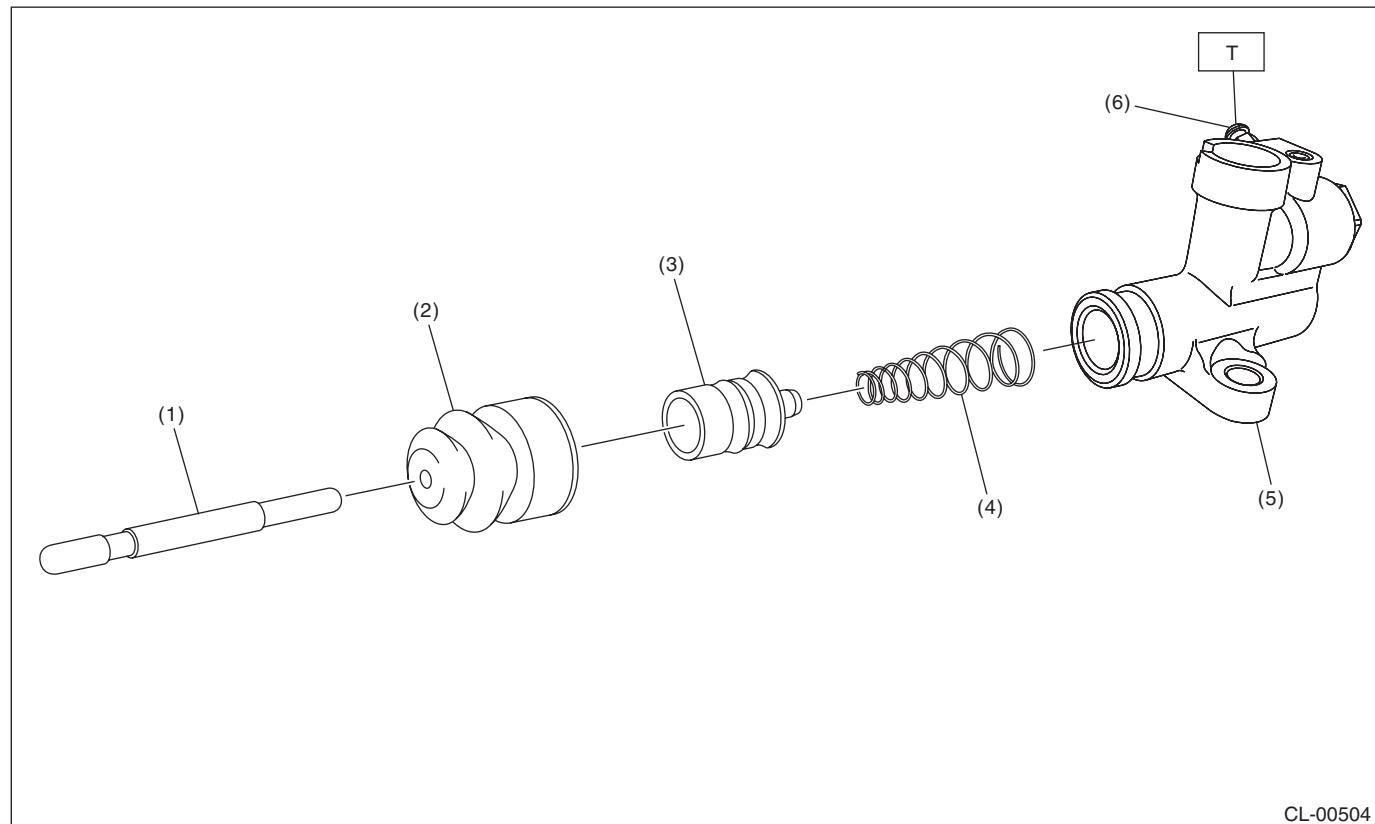
T3: 18 (1.8, 13.3)

T4: 25 (2.5, 18.4)

T5: 37 (3.8, 27.3)

3. OPERATING CYLINDER

- Except for STI model



CL-00504

(1)	Push rod	(4)	Piston spring
(2)	Boot	(5)	Operating cylinder
(3)	Piston	(6)	Breather screw

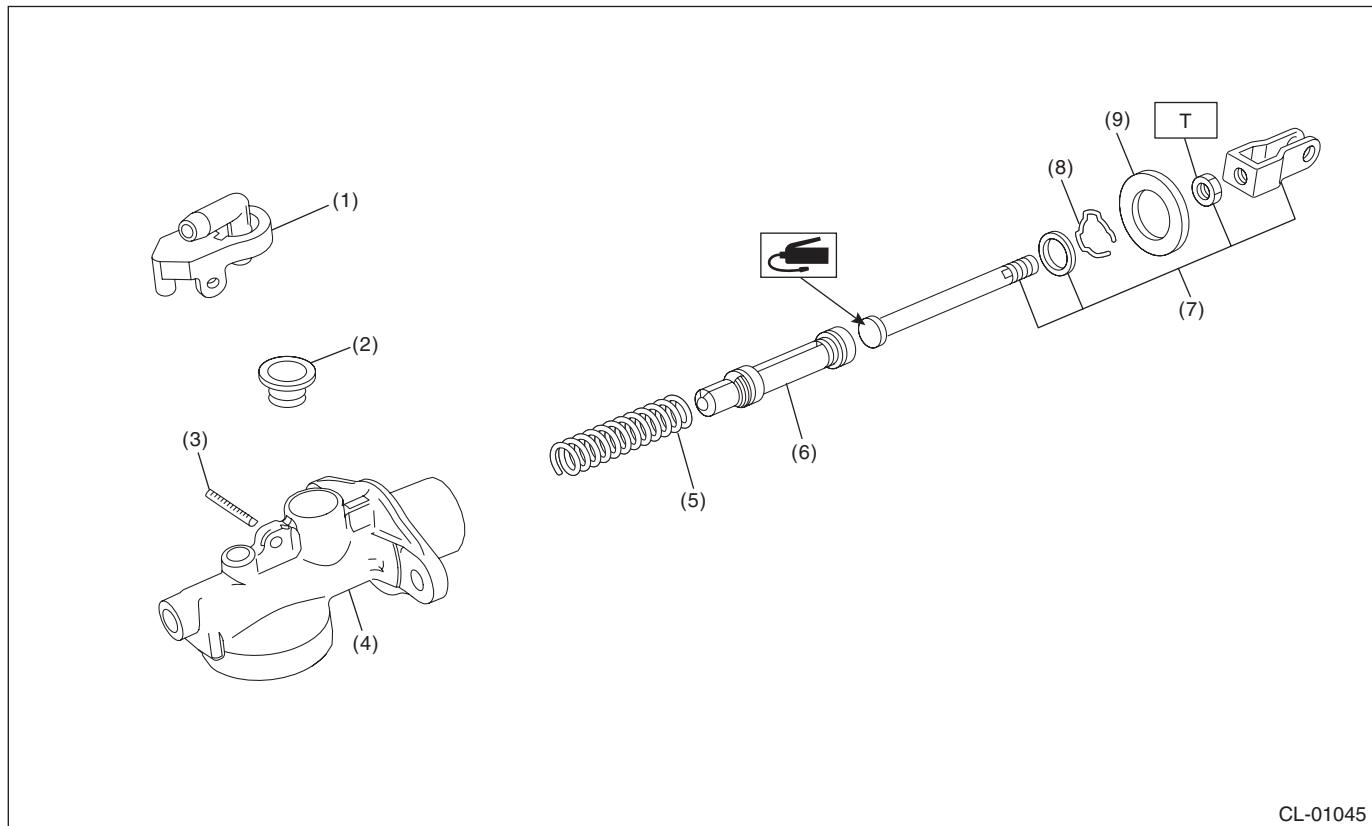
Tightening torque: N·m (kgf·m, ft-lb)

T: 7.8 (0.8, 5.8)

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4. MASTER CYLINDER

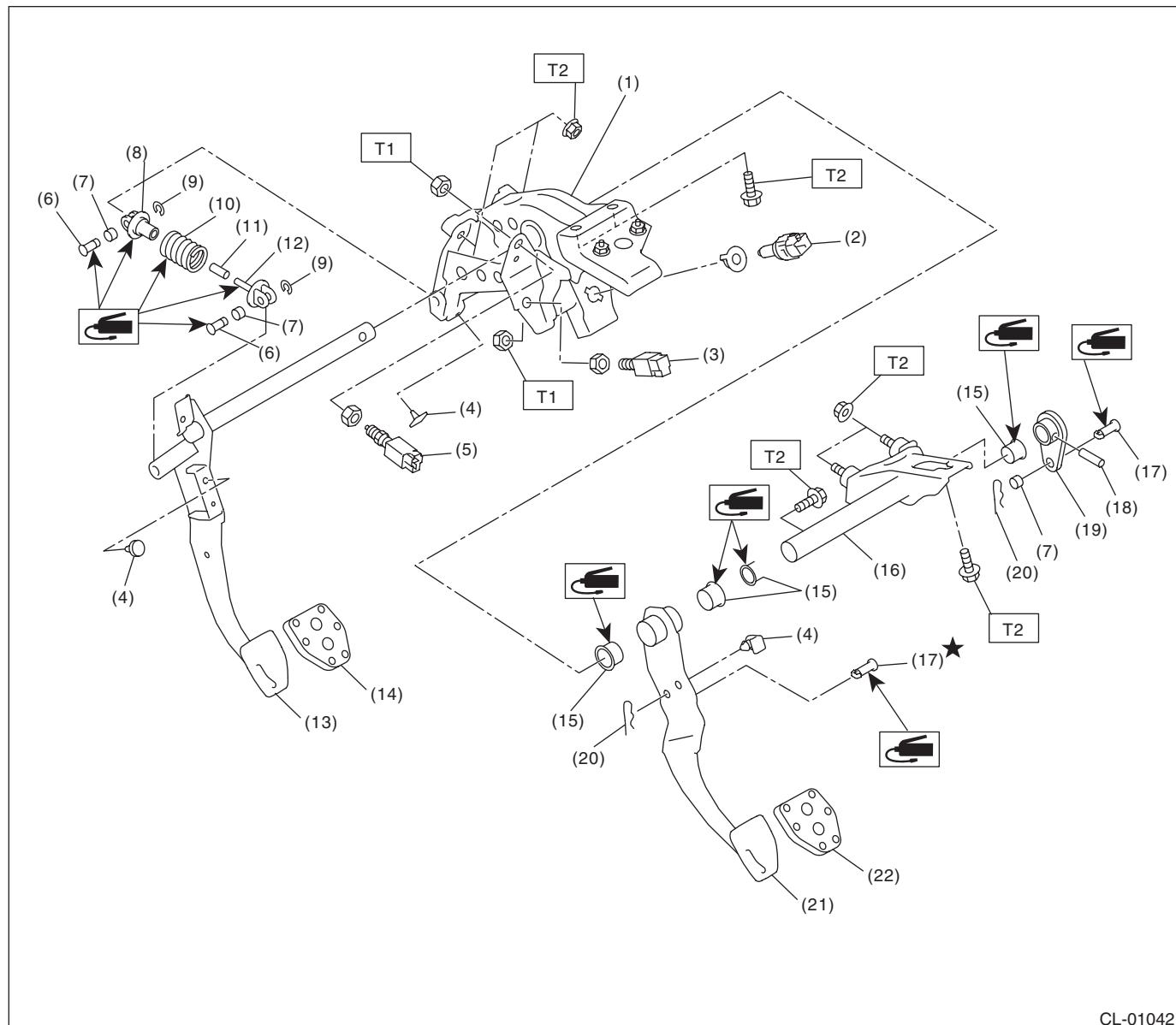


CL-01045

(1) Nipple	(5) Return spring	(9) Seat
(2) Oil seal	(6) Piston	
(3) Straight pin	(7) Push rod ASSY	
(4) Master cylinder	(8) Piston stop ring	

Tightening torque: N·m (kgf·m, ft-lb)
T: 10 (1.0, 7.4)

5. CLUTCH PEDAL



CL-01042

(1) Pedal bracket	(10) Assist spring	(19) Lever
(2) Stop light switch	(11) Assist bushing	(20) Snap pin
(3) Clutch switch	(12) Assist rod A	(21) Brake pedal
(4) Stopper	(13) Clutch pedal	(22) Brake pedal pad (sport type)
(5) Clutch start switch	(14) Clutch pedal pad (sport type)	
(6) Clutch clevis pin	(15) Bushing	
(7) Bushing C	(16) Clutch master cylinder bracket	
(8) Assist rod B	(17) Clevis pin	
(9) Clip	(18) Spring pin	

Tightening torque: N·m (kgf·m, ft-lb)

T1: 8 (0.8, 5.9)

T2: 18 (1.8, 13.3)

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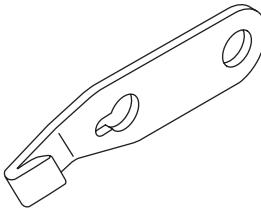
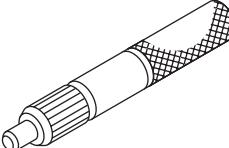
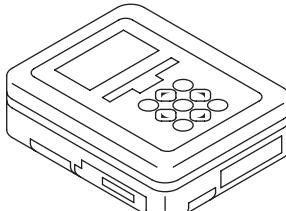
CLUTCH SYSTEM

C: CAUTION

- 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.
- Use SUBARU genuine fluid, grease etc. or equivalent. Do not mix fluid, grease, etc. of different grades or manufacturers.
- Be sure to tighten fasteners including bolts and nuts to the specified torque.
- Apply grease onto sliding or revolving surfaces before installation.
- Before installing O-rings or snap rings, apply sufficient amount of fluid to avoid damage and deformation.
- Before securing a part in a vise, place cushioning material such as wood blocks, aluminum plate or cloth between the part and the vise.
- Keep fluid away from the vehicle body. If any fluid contacts the vehicle body, immediately flush the area with water.

D: PREPARATION TOOL

1. SPECIAL TOOL

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 ST-498497100	498497100	CRANKSHAFT STOPPER	Used for stopping rotation of the flywheel.
 ST-499747100	499747100	CLUTCH DISC GUIDE	Used for installing the clutch disc to the flywheel.
 ST1B022XU0	1B022XU0	SUBARU SELECT MONITOR III KIT	Used for installing and adjusting the clutch start switch.

2. GENERAL TOOL

TOOL NAME	REMARKS
Circuit tester	Used for measuring resistance, voltage and current.
Dial gauge	Used for measuring clutch disc run-out.
Depth gauge	Used for measuring clutch disc wear.
Angle gauge	Used for installing the flywheel.