

GENERAL DESCRIPTION

CLUTCH SYSTEM

1. General Description

A: SPECIFICATIONS

Item		Non-TURBO model	TURBO model
Clutch cover	Type	Push type	Pull type
	Diaphragm set load kg (lb)	580 (1,276)	800 (1,764)
Clutch disc	Facing material		Woven (Non asbestos)
	O.D. × I.D. × thickness mm (in)	Flywheel side	230 × 155 × 3.5 (9.06 × 6.10 × 0.1)
		Pressure plate side	230 × 155 × 3.2 (9.06 × 6.10 × 0.126)
	Splines O.D. mm (in)		25.2 (0.992), (No. of teeth: 24)
Clutch release lever ratio		1.6	1.7
Release bearing		Grease-packed self-aligning	Grease-packed self-aligning
Clutch pedal	Full stroke mm (in)	130 — 135 (5.12 — 5.31)	130 — 135 (5.12 — 5.31)
	Free play mm (in)	4 — 13 (0.16 — 0.51)	4 — 13 (0.16 — 0.51)
Clutch disc	Depth of rivet head mm (in)	Standard	Flywheel side: 1.35 — 1.95 (0.0531 — 0.0768) Clutch cover side: 1.65 — 2.25 (0.0650 — 0.0886)
		Limit of sinking	0.3 (0.012)
	Limit for deflection mm (in)	0.8 (0.031) at R = 107 (4.21)	0.8 (0.031) at R = 110 (4.33)

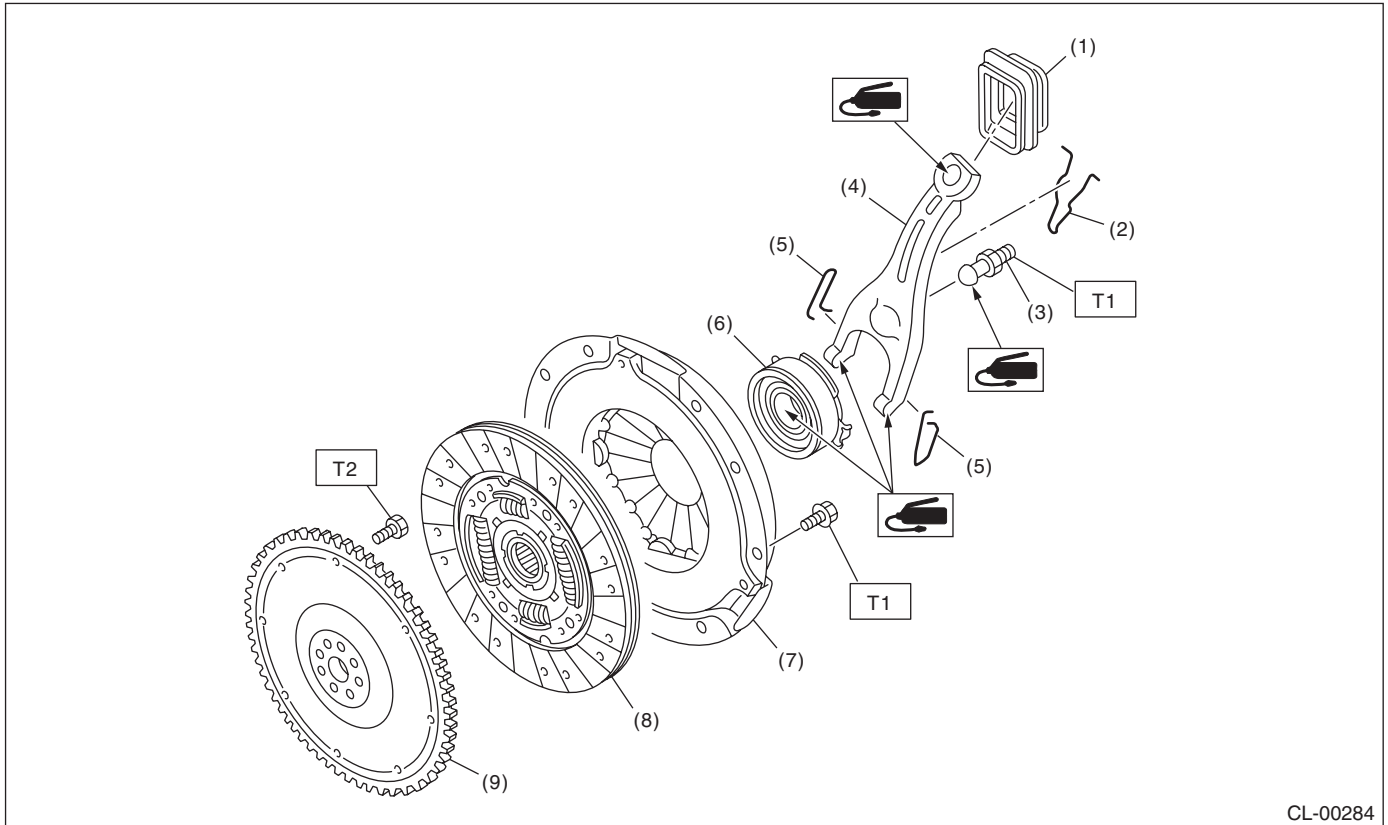
I.D.: Inner diameter

O.D.: Outer diameter

B: COMPONENT

1. CLUTCH ASSEMBLY

• Non-TURBO model



CL-00284

- | | |
|--------------------------|----------------------------|
| (1) Dust cover | (6) Clutch release bearing |
| (2) Retainer spring | (7) Clutch cover |
| (3) Pivot | (8) Clutch disc |
| (4) Clutch release lever | (9) Flywheel |
| (5) Clip | |

Tightening torque: N·m (kgf·m, ft·lb)

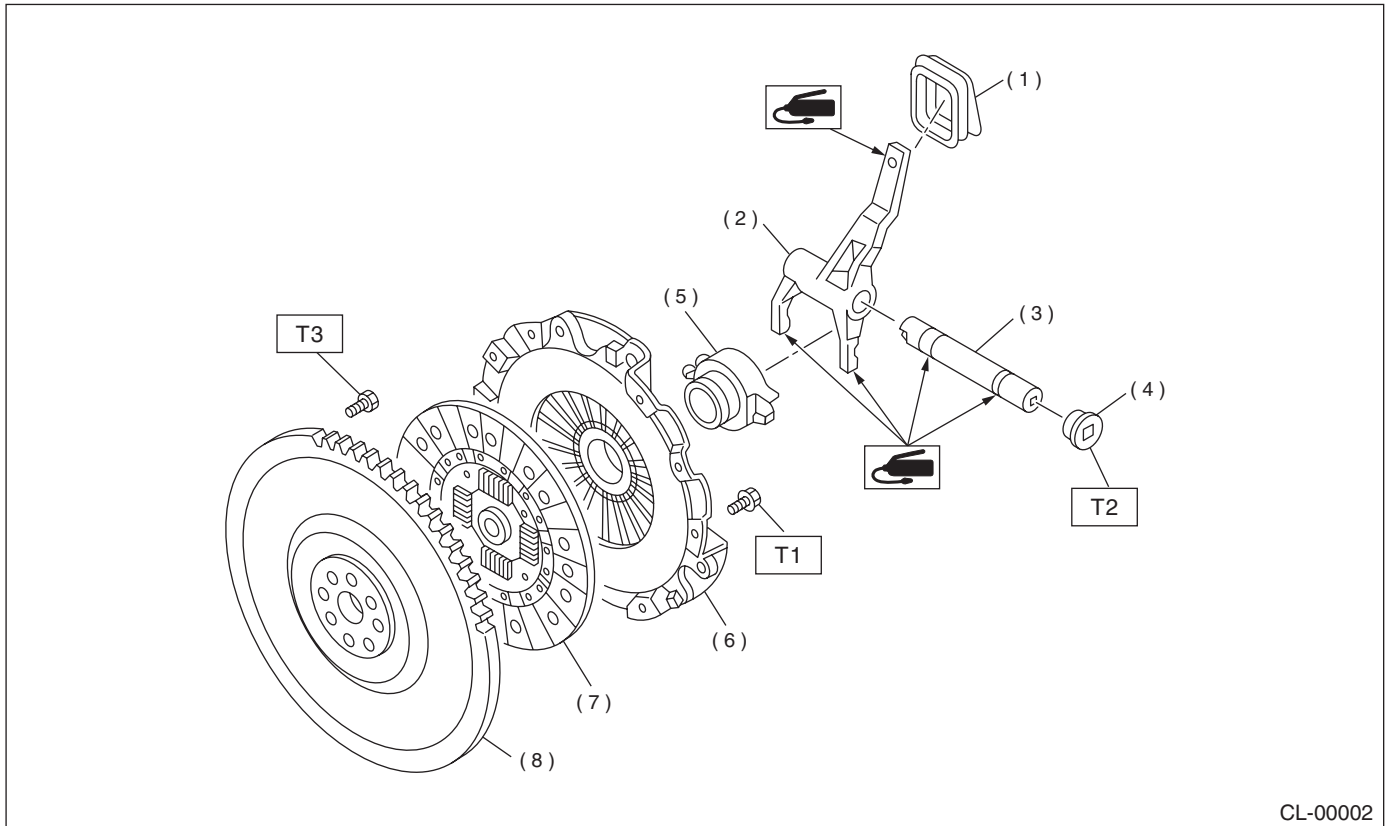
T1: 16 (1.6, 11.8)

T2: 72 (7.3, 52.8)

GENERAL DESCRIPTION

CLUTCH SYSTEM

• TURBO model



- | | |
|--------------------------|----------------------------|
| (1) Dust cover | (5) Clutch release bearing |
| (2) Clutch release lever | (6) Clutch cover |
| (3) Clutch release shaft | (7) Clutch disc |
| (4) Plug | (8) Flywheel |

Tightening torque: N·m (kgf·m, ft·lb)

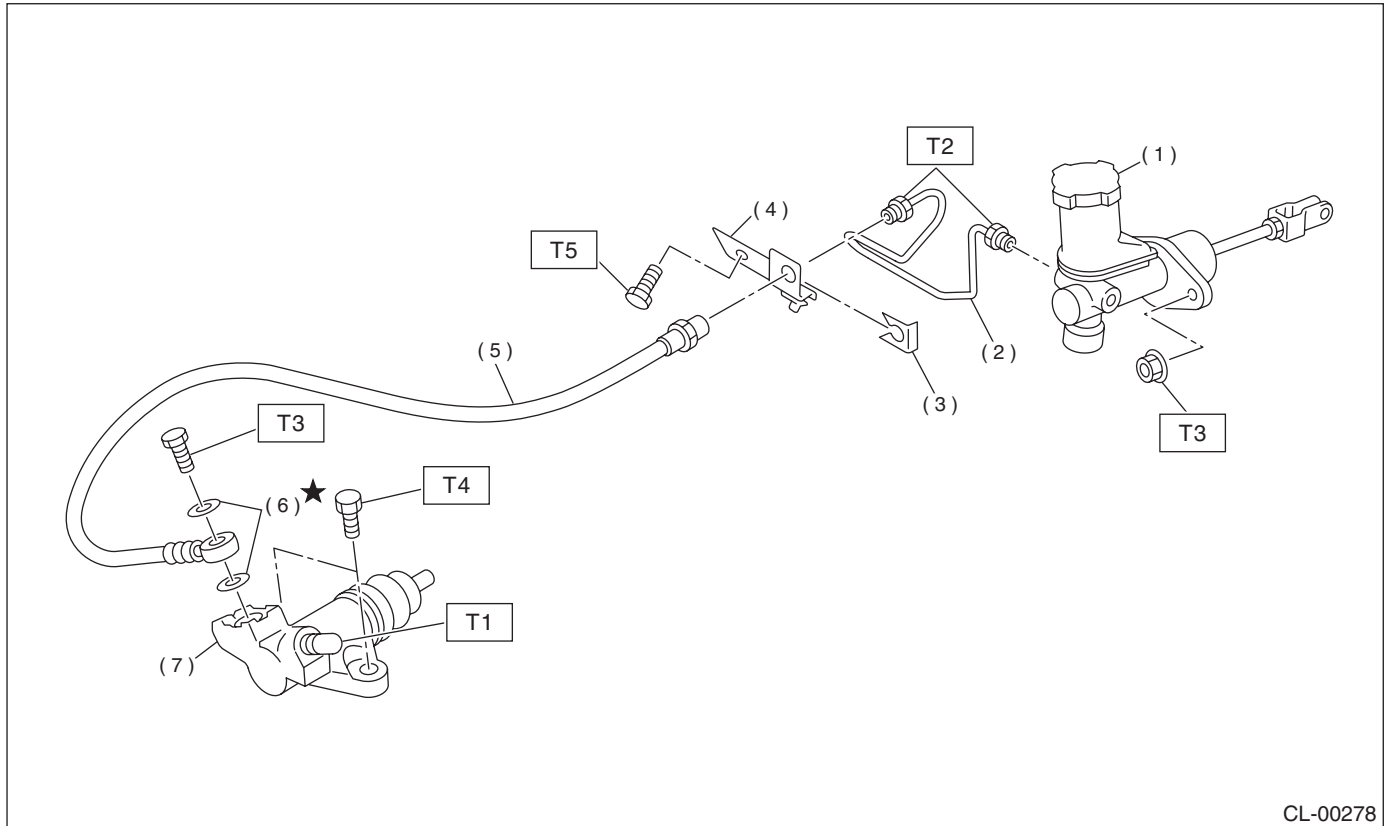
T1: 16 (1.6, 11.8)

T2: 44 (4.5, 32.5)

T3: 72 (7.3, 52.8)

2. CLUTCH PIPE AND HOSE

• Non-TURBO model



CL-00278

- | | |
|--------------------------|------------------------|
| (1) Master cylinder ASSY | (6) Washer |
| (2) Clutch pipe | (7) Operating cylinder |
| (3) Clip | |
| (4) Bracket | |
| (5) Clutch hose | |

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

T1: 8 (0.8, 5.8)

T2: 15 (1.5, 10.8)

T3: 18 (1.8, 13.0)

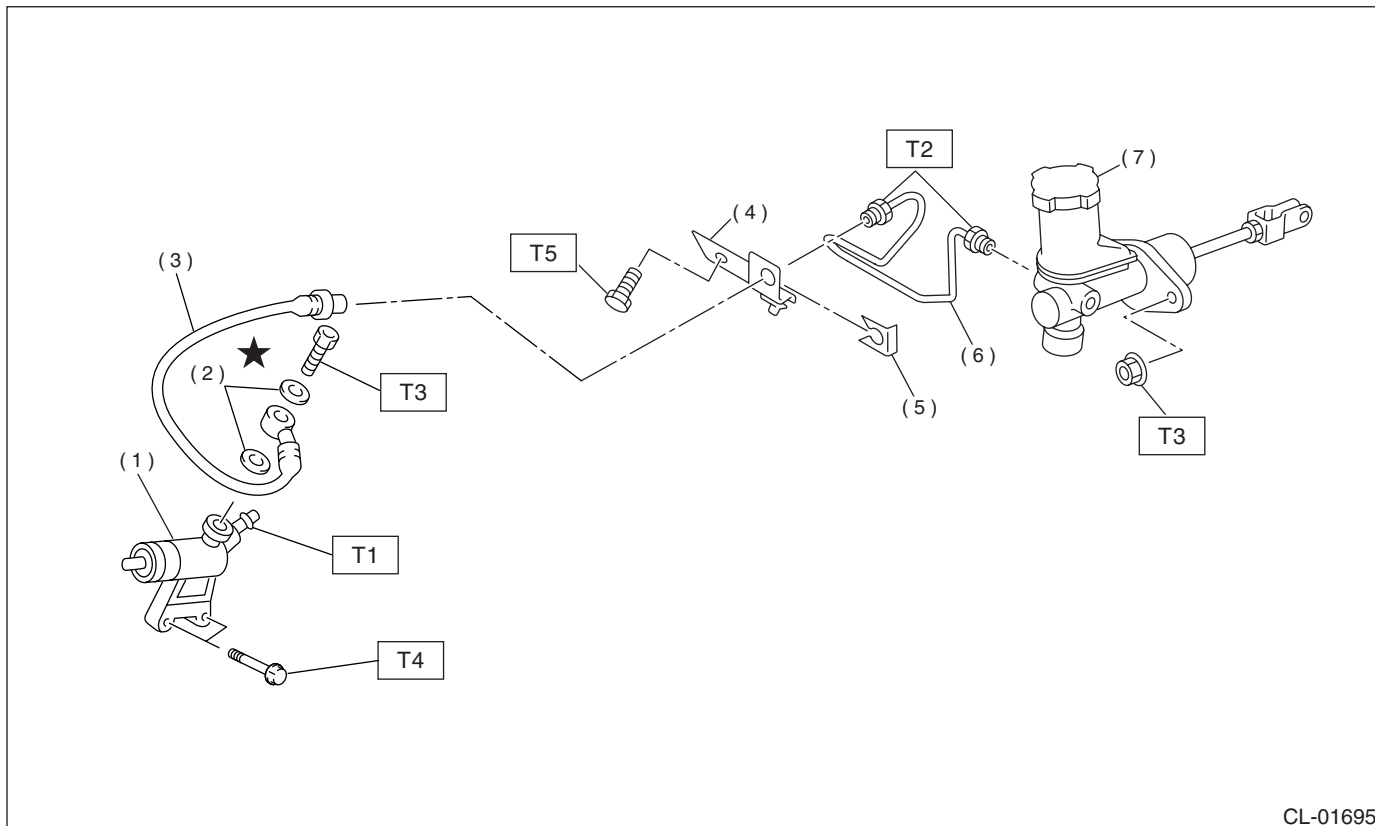
T4: 37 (3.8, 27.5)

T5: 25 (2.5, 18.1)

GENERAL DESCRIPTION

CLUTCH SYSTEM

• TURBO model



CL-01695

- (1) Operating cylinder
- (2) Washer
- (3) Clutch hose
- (4) Bracket

- (5) Clip
- (6) Pipe
- (7) Master cylinder ASSY

Tightening torque: N·m (kgf·m, ft·lb)

T1: 7.8 (0.8, 5.8)

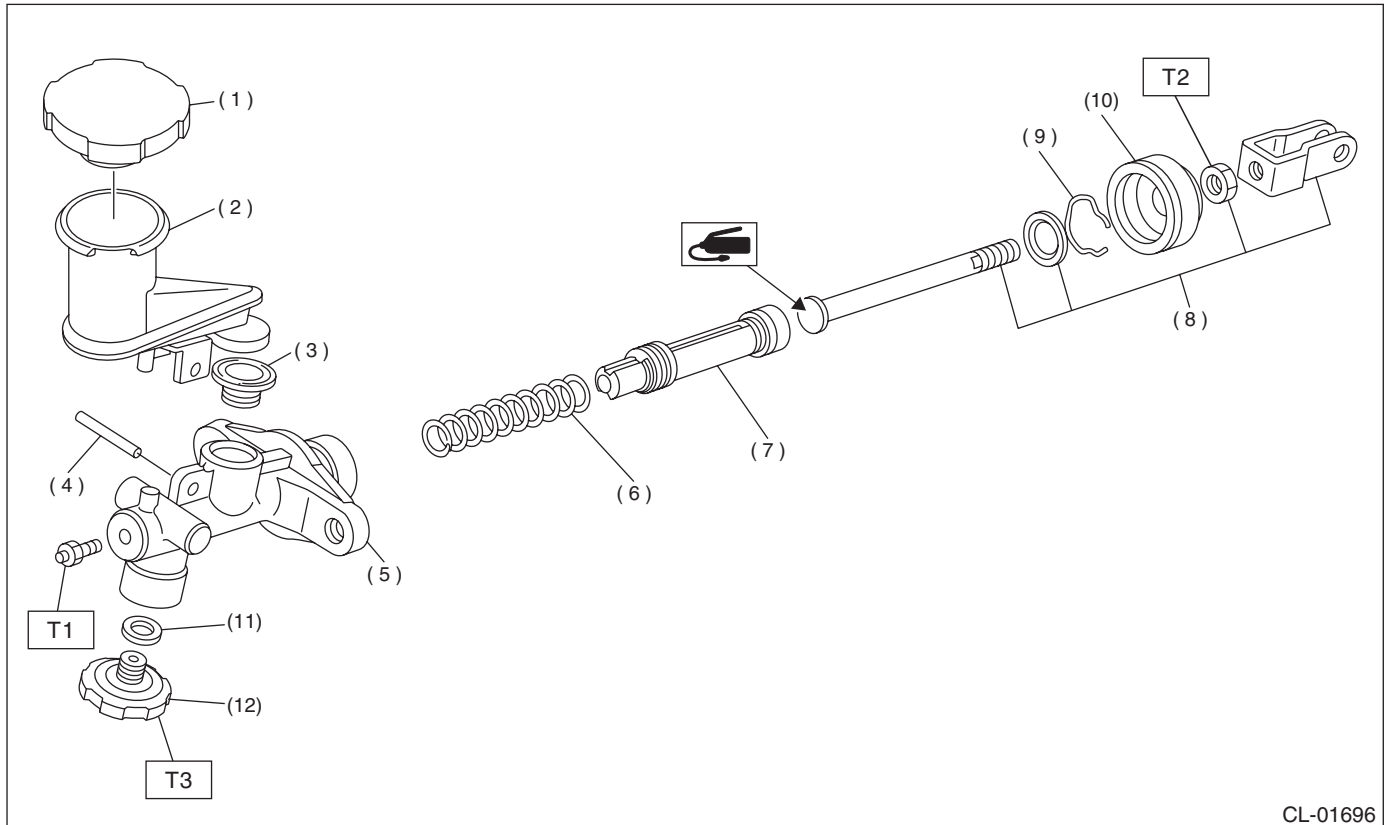
T2: 15 (1.5, 10.8)

T3: 18 (1.8, 13.0)

T4: 37 (3.8, 27.5)

T5: 25 (2.5, 18.1)

3. MASTER CYLINDER



CL-01696

- | | |
|---------------------|----------------------------------|
| (1) Reservoir cap | (7) Piston |
| (2) Reservoir tank | (8) Push rod |
| (3) Oil seal | (9) Piston stop ring |
| (4) Straight pin | (10) Cylinder boot |
| (5) Master cylinder | (11) Gasket (Turbo model) |
| (6) Return spring | (12) Clutch damper (Turbo model) |

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

T1: 8 (0.8, 5.8)

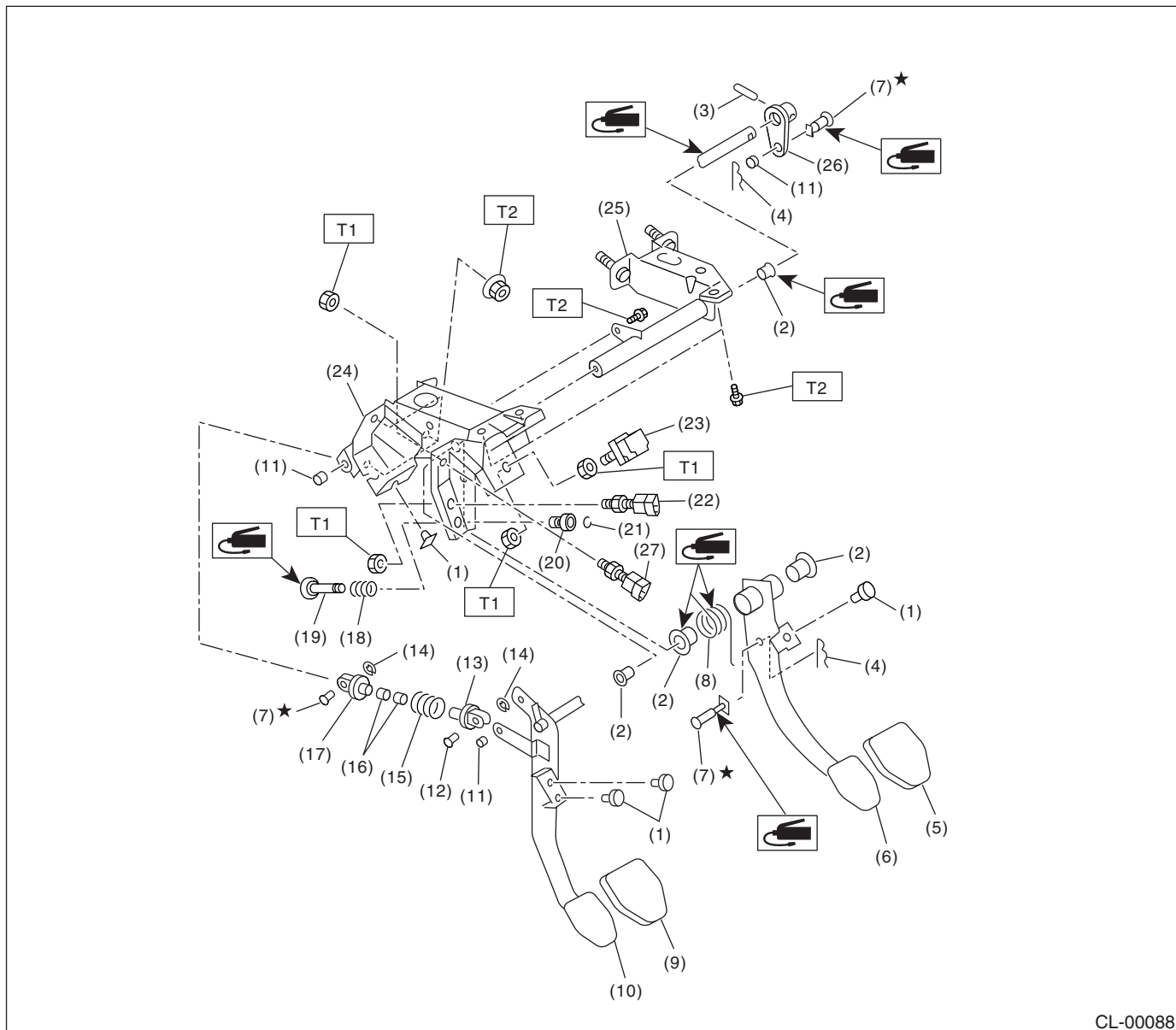
T2: 10 (1.0, 7)

T3: 46.6 (4.8, 34)

GENERAL DESCRIPTION

CLUTCH SYSTEM

4. CLUTCH PEDAL



CL-00088

- | | | |
|------------------------|-------------------------------------|--|
| (1) Stopper | (12) Clutch clevis pin | (23) Stop light switch |
| (2) Bushing | (13) Assist rod A | (24) Pedal bracket |
| (3) Spring pin | (14) Clip | (25) Clutch master cylinder bracket |
| (4) Snap pin | (15) Assist spring | (26) Lever |
| (5) Brake pedal pad | (16) Assist bushing | (27) Clutch switch (Starter interlock) |
| (6) Brake pedal | (17) Assist rod B | |
| (7) Clevis pin | (18) Spring S | |
| (8) Brake pedal spring | (19) Rod S | |
| (9) Clutch pedal pad | (20) Bushing S | |
| (10) Clutch pedal | (21) Clip | |
| (11) Bushing C | (22) Clutch switch (Cruise control) | |

Tightening torque: N·m (kgf·m, ft·lb)

T1: 8 (0.8, 5.8)

T2: 18 (1.8, 13.0)

C: CAUTION

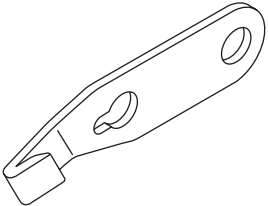
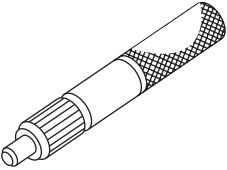
- Wear working clothing, including a cap, protective goggles, and protective shoes during operation.
- Remove contamination including dirt and corrosion before removal, installation or disassembly.
- Keep the disassembled parts in order and protect them from dust or dirt.
- Before removal, installation or disassembly, be sure to clarify the failure. Avoid unnecessary removal, installation, disassembly, and replacement.
- Be careful not to burn your hands, because each part on the vehicle is hot after running.
- Use SUBARU genuine fluid, grease etc. or the equivalent. Do not mix fluid, grease etc. with that of another grade or from other manufacturers.
- Be sure to tighten fasteners including bolts and nuts to the specified torque.
- Place shop jacks or safety stands at the specified points.
- Apply grease onto sliding or revolution surfaces before installation.
- Before installing O-rings or snap rings, apply sufficient amount of fluid to avoid damage and deformation.
- Before securing a part on a vise, place cushioning material such as wood blocks, aluminum plate, or shop 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.

GENERAL DESCRIPTION

CLUTCH SYSTEM

D: PREPARATION TOOL

1. SPECIAL TOOLS

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 ST-498497100	498497100	CRANKSHAFT STOPPER	Used for stopping rotation of flywheel when loosening tightening bolt, etc.
 ST-499747100	499747100	CLUTCH DISC GUIDE	Used when installing clutch disc to flywheel.

2. GENERAL PURPOSE TOOLS

TOOL NAME	REMARKS
Circuit Tester	Used for measuring resistance, voltage and ampere.
Dial Gauge	Used for measuring clutch disk run-out.