

GENERAL DESCRIPTION

CLUTCH SYSTEM

1. General Description

A: SPECIFICATIONS

Item		Designation	
Clutch cover	Type	Push type	
	Diaphragm set load	580 (1,276) kg (lb)	
Clutch disc	Facing material	Woven (Non asbestos)	
	O.D. × I.D. × thickness	225 × 150 × 3.5 (8.86 × 5.91 × 0.138) mm (in)	
	Spline O.D.	25.2 (0.992), (No. of teeth: 24) mm (in)	
Clutch release lever ratio		1.6	
Release bearing		Grease-packed self-aligning	
Clutch pedal	Full stroke	130 — 135 (5.12 — 5.31) mm (in)	
	Free play	4 — 13 (0.16 — 0.51) mm (in)	
Clutch disc	Depth of rivet head mm (in)	Standard	1.65 — 2.25 (0.065 — 0.089)
		Limit of sinking	0.3 (0.012)
	Limit for deflection	0.8 (0.031) at R = 107 (4.21) mm (in)	

I.D.: Inner diameter

O.D.: Outer diameter

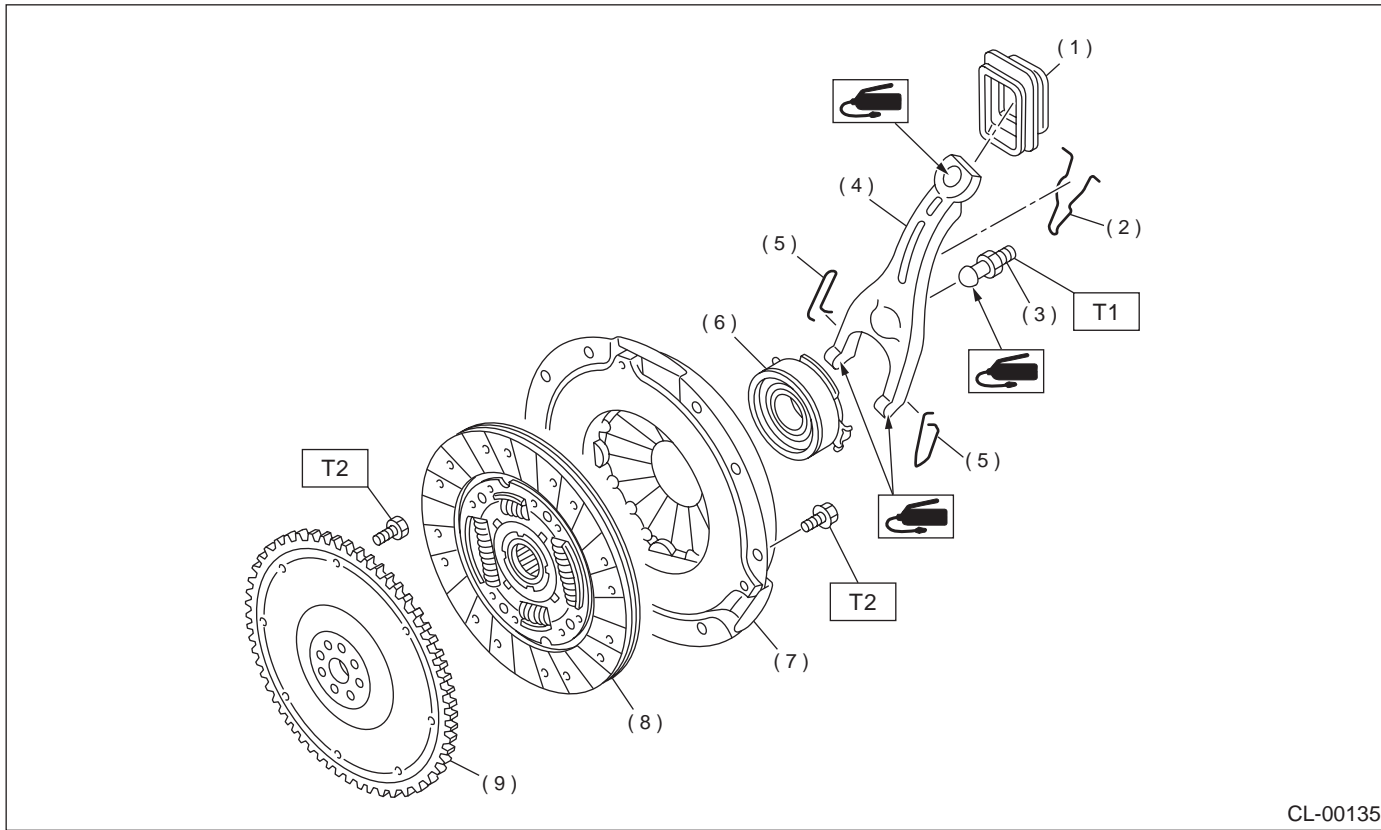
CL-2

GENERAL DESCRIPTION

CLUTCH SYSTEM

B: COMPONENT

1. CLUTCH ASSEMBLY



- | | |
|-------------------------------------|----------------------------|
| (1) Clutch release lever 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: 15.7 (1.6, 11.6)

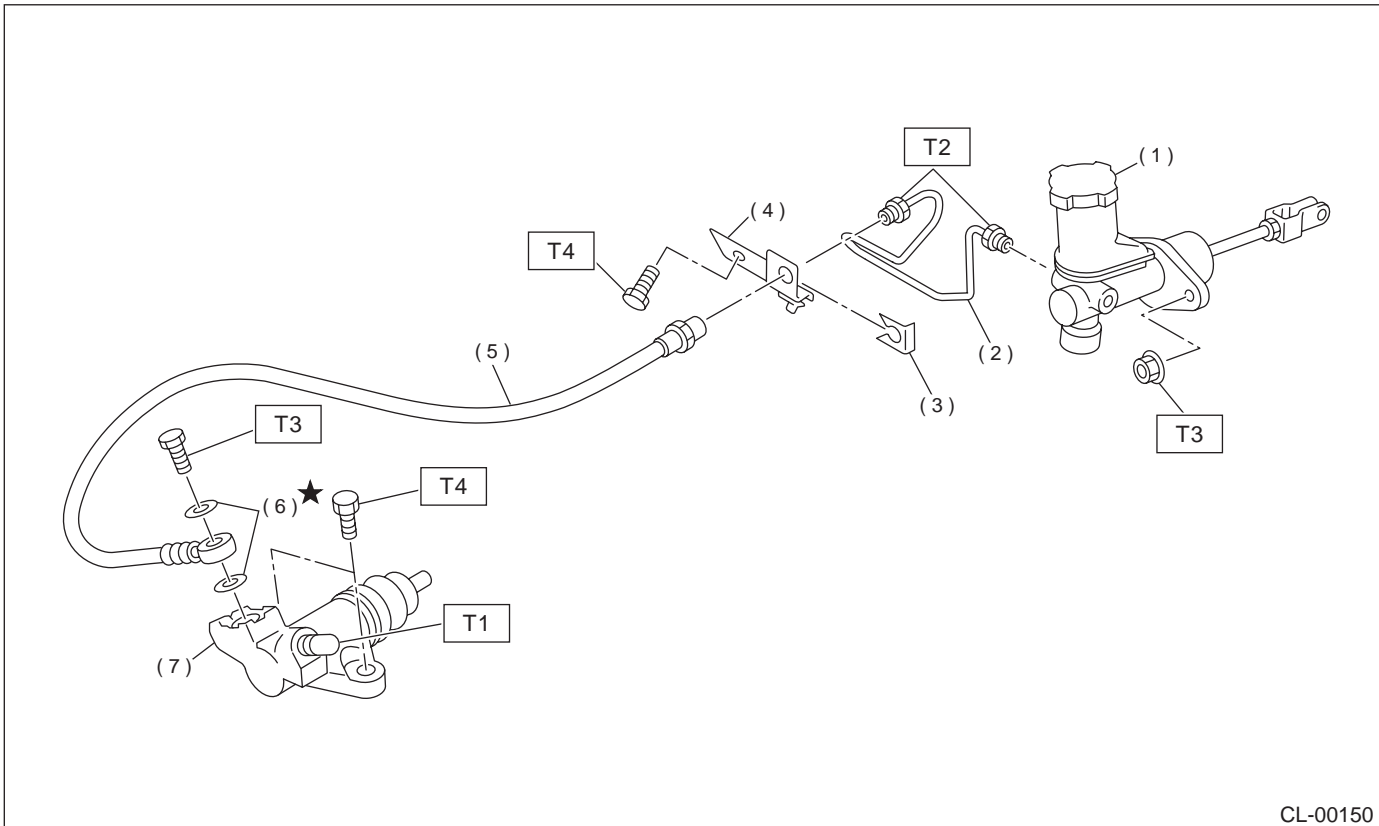
T2: 72 (7.3, 52.8)

CL-3

GENERAL DESCRIPTION

CLUTCH SYSTEM

2. CLUTCH PIPE AND HOSE



- | | |
|--------------------------|------------------------|
| (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)

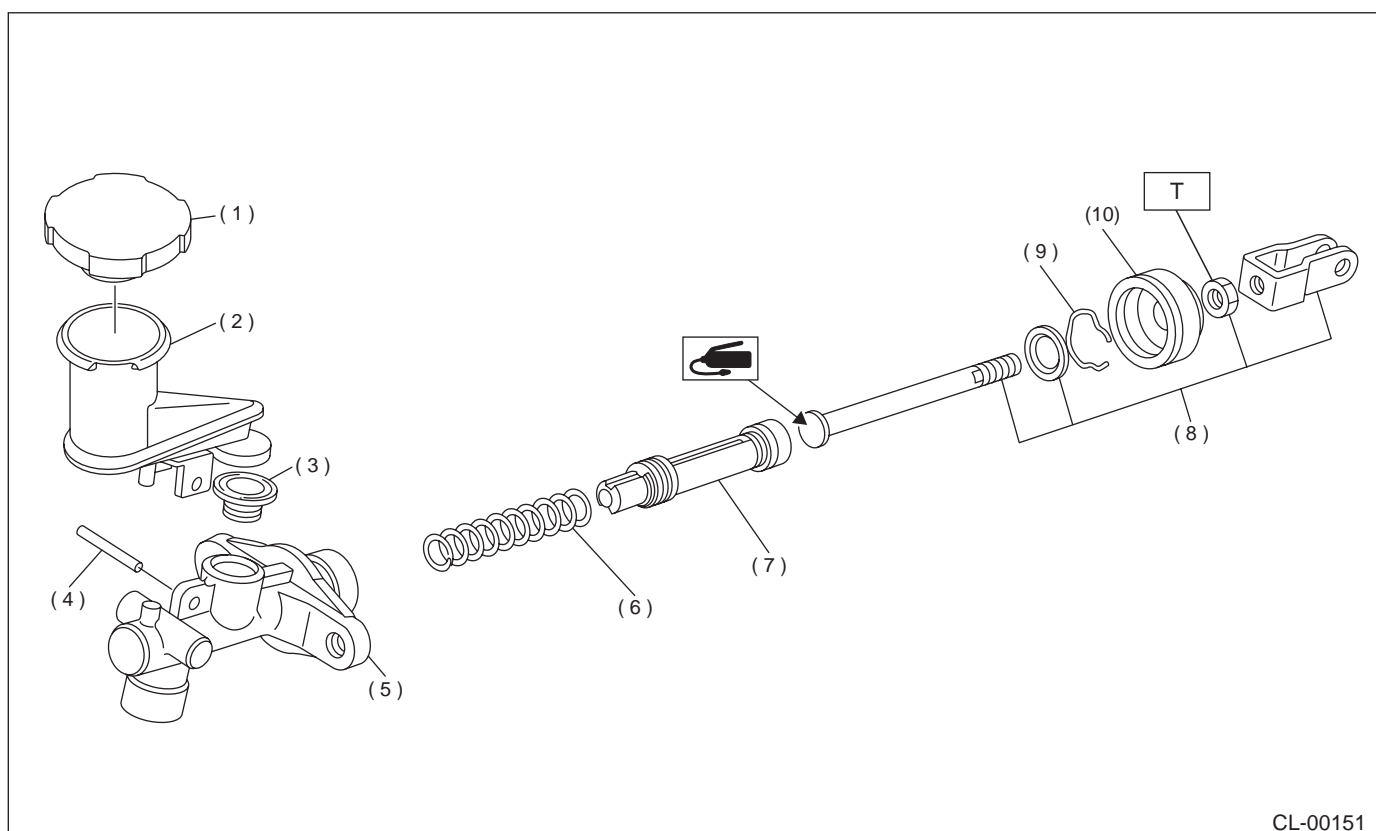
T4: 37 (3.8, 27.5)

CL-4

GENERAL DESCRIPTION

CLUTCH SYSTEM

3. MASTER CYLINDER



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

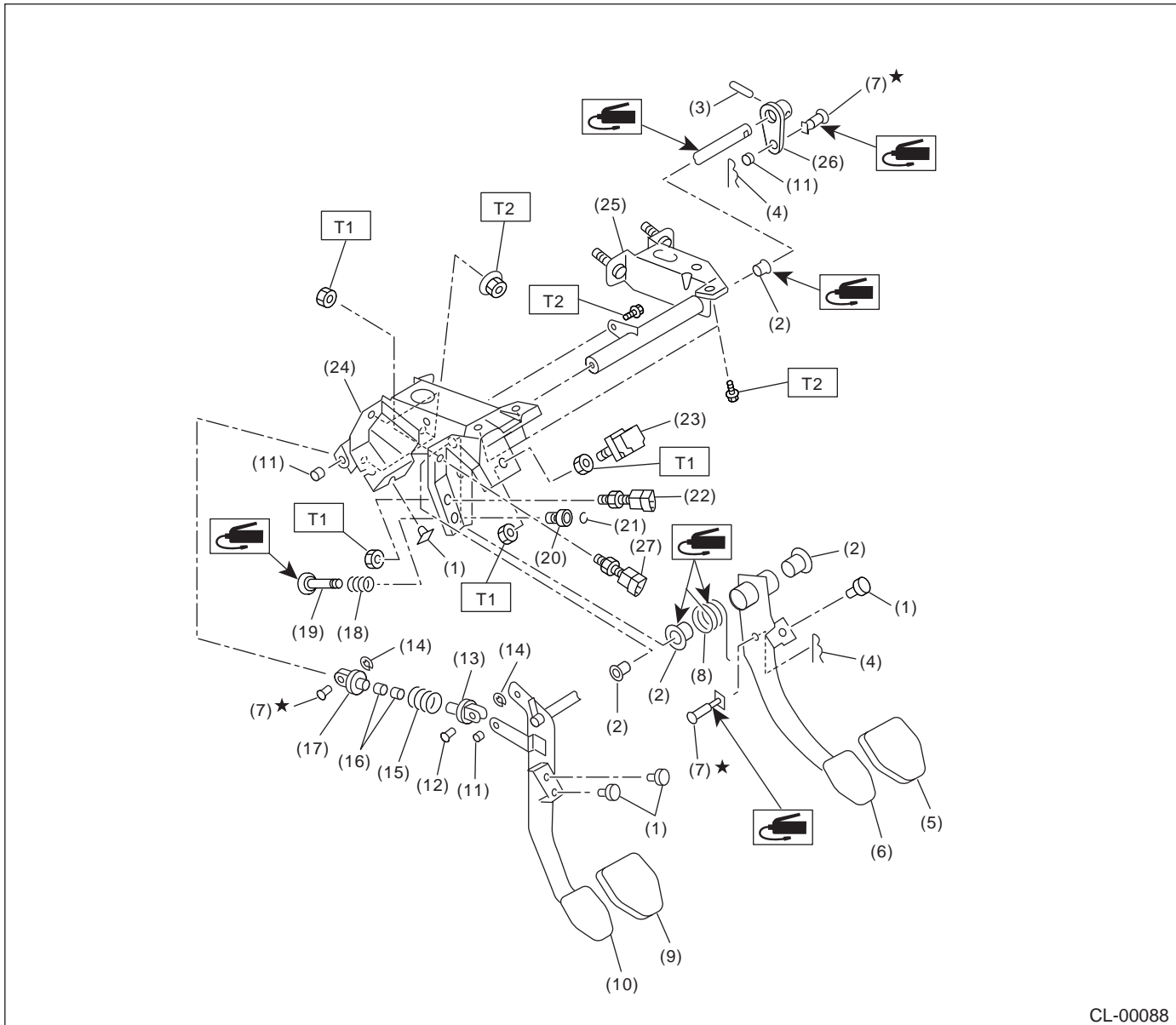
Tightening torque: N·m (kgf·m, ft·lb)
T: 10 (1.0, 7)

CL-5

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 (With cruise control) | |

Tightening torque: N·m (kgf·m, ft·lb)

T1: 8 (0.8, 5.8)

T2: 18 (01.8, 13.0)

CL-6

GENERAL DESCRIPTION

CLUTCH SYSTEM

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.

CL-7

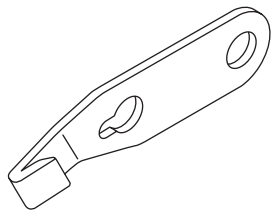
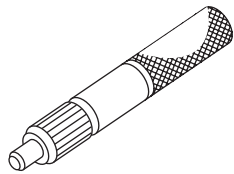
Vehicle-id:
SIE-id::C:Caution

GENERAL DESCRIPTION

CLUTCH SYSTEM

D: PREPARATION TOOL

1. SPECIAL TOOLS

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 <p style="text-align: center;">ST-498497100</p>	498497100	CRANKSHAFT STOPPER	Used for stopping rotation of flywheel when loosening tightening bolt, etc.
 <p style="text-align: center;">ST-499747100</p>	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.

CL-8