

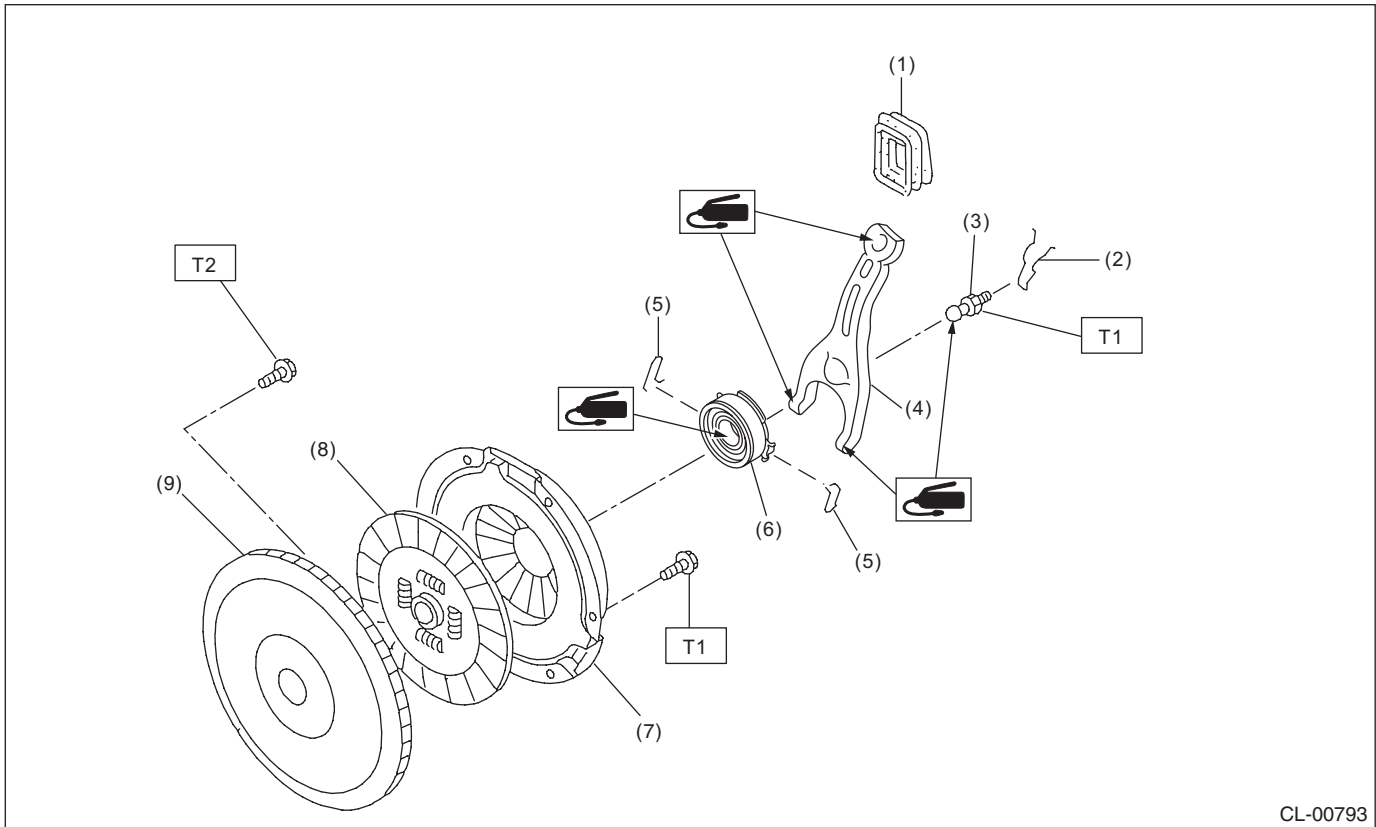
General Description

CLUTCH SYSTEM

1. General Description

A: SPECIFICATION

Model			2.5 L
Transmission type			5MT
Clutch cover	Type		Push type
	Diaphragm set load N (kgf, lbf)		5,688 (580, 1,279)
Clutch disc	Facing material		Woven (Non-asbestos)
	O.D. × I.D. × thickness mm (in)	Clutch cover side	225 × 150 × 3.5 (8.86 × 5.9 × 0.138)
		Flywheel side	
	Spline outer diameter mm (in)		25.2 (0.992), (Number of teeth: 24)
	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	0.3 (0.012)
Deflection limit mm (in)		0.7 (0.028) at R = 110 (4.33)	
Clutch release lever ratio			1.6
Release bearing			Grease-packed self-aligning
Clutch pedal	Full stroke mm (in)	130 — 135 (5.12 — 5.31)	
	Free play mm (in)	4 — 10 (0.16 — 0.39)	
Flywheel	Type		Flexible

B: COMPONENT**1. CLUTCH ASSEMBLY**

CL-00793

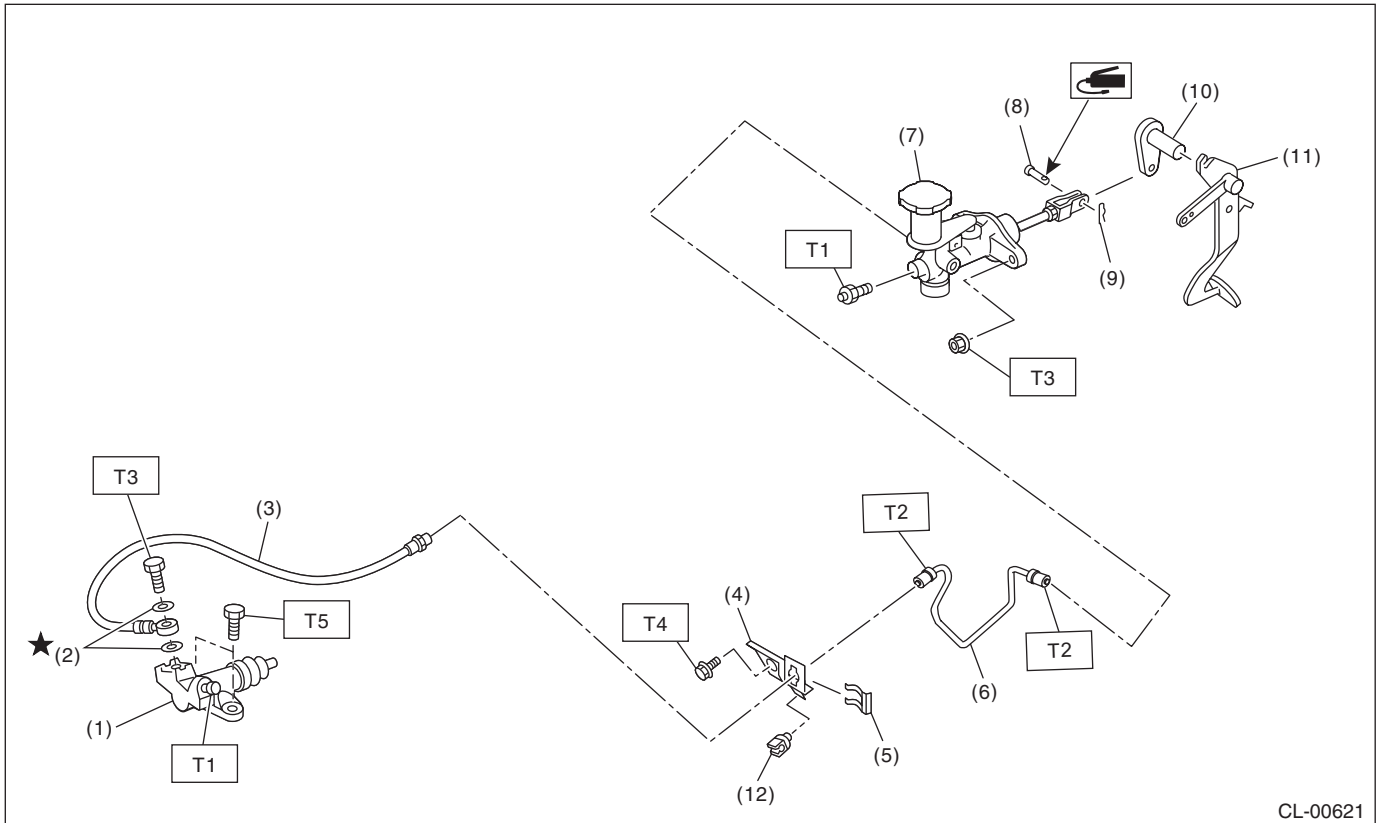
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|-------------------|---------------------|
| (1) Dust cover | (6) Release bearing |
| (2) Lever spring | (7) Clutch cover |
| (3) Pivot | (8) Clutch disc |
| (4) Release lever | (9) Flywheel |
| (5) Clip | |

Tightening torque: N·m (kgf-m, ft-lb)***T1: 16 (1.6, 11.8)******T2: 75 (7.6, 55.3)***

General Description

CLUTCH SYSTEM

2. CLUTCH PIPE AND HOSE



CL-00621

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

- (7) Master cylinder ASSY
- (8) Clevis pin
- (9) Snap pin
- (10) Lever
- (11) Pedal
- (12) Clip

Tightening torque: N·m (kgf-m, ft-lb)

T1: 7.8 (0.8, 5.8)

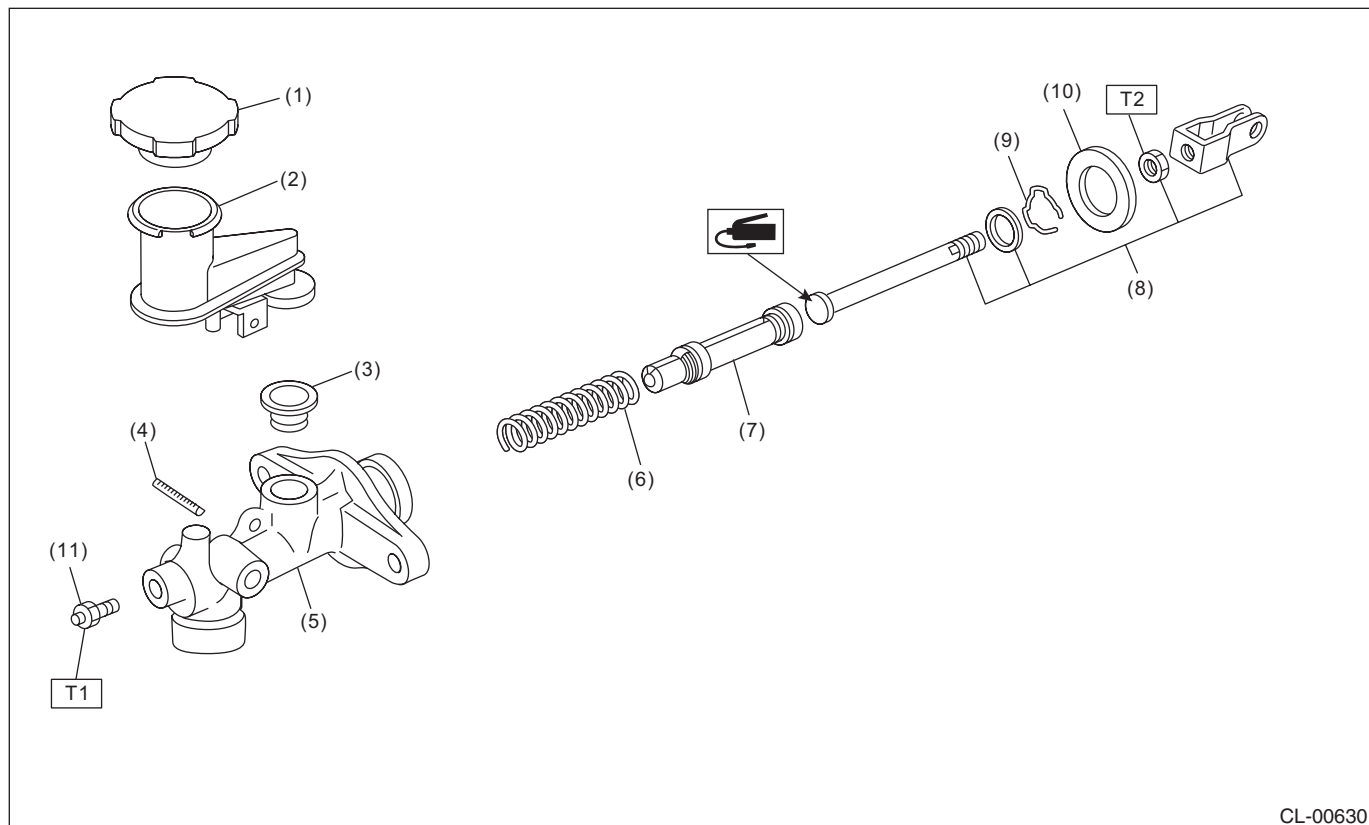
T2: 15 (1.5, 11.1)

T3: 18 (1.8, 13.3)

T4: 25 (2.5, 18.4)

T5: 37 (3.8, 27.3)

3. MASTER CYLINDER



CL-00630

- (1) Reservoir cap
- (2) Reservoir tank
- (3) Oil seal
- (4) Straight pin
- (5) Master cylinder

- (6) Return spring
- (7) Piston
- (8) Push rod ASSY
- (9) Piston stop ring
- (10) Seat

- (11) Bleeder screw

Tightening torque: N·m (kgf-m, ft-lb)

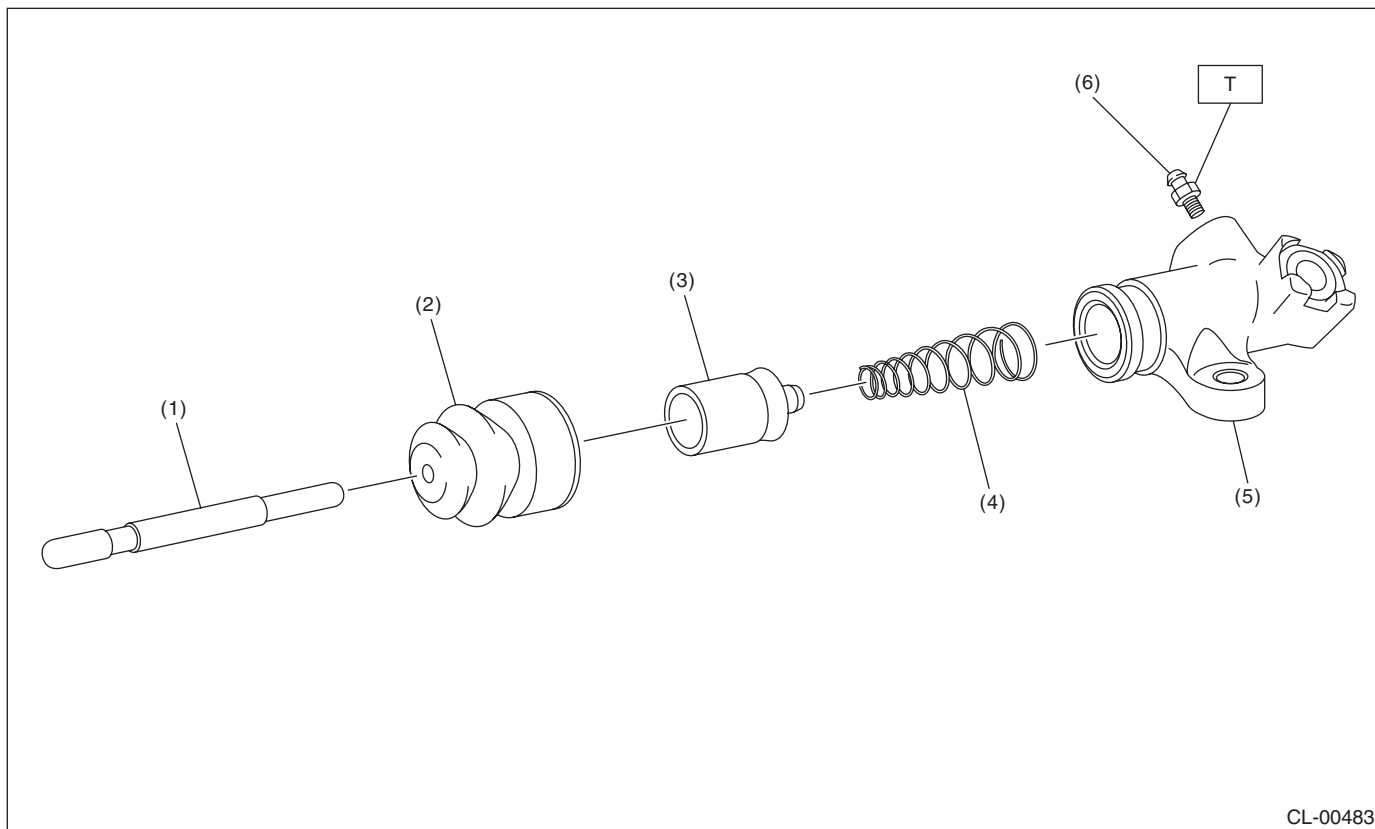
T1: 7.8 (0.8, 5.8)

T2: 10 (1.0, 7.4)

General Description

CLUTCH SYSTEM

4. OPERATING CYLINDER



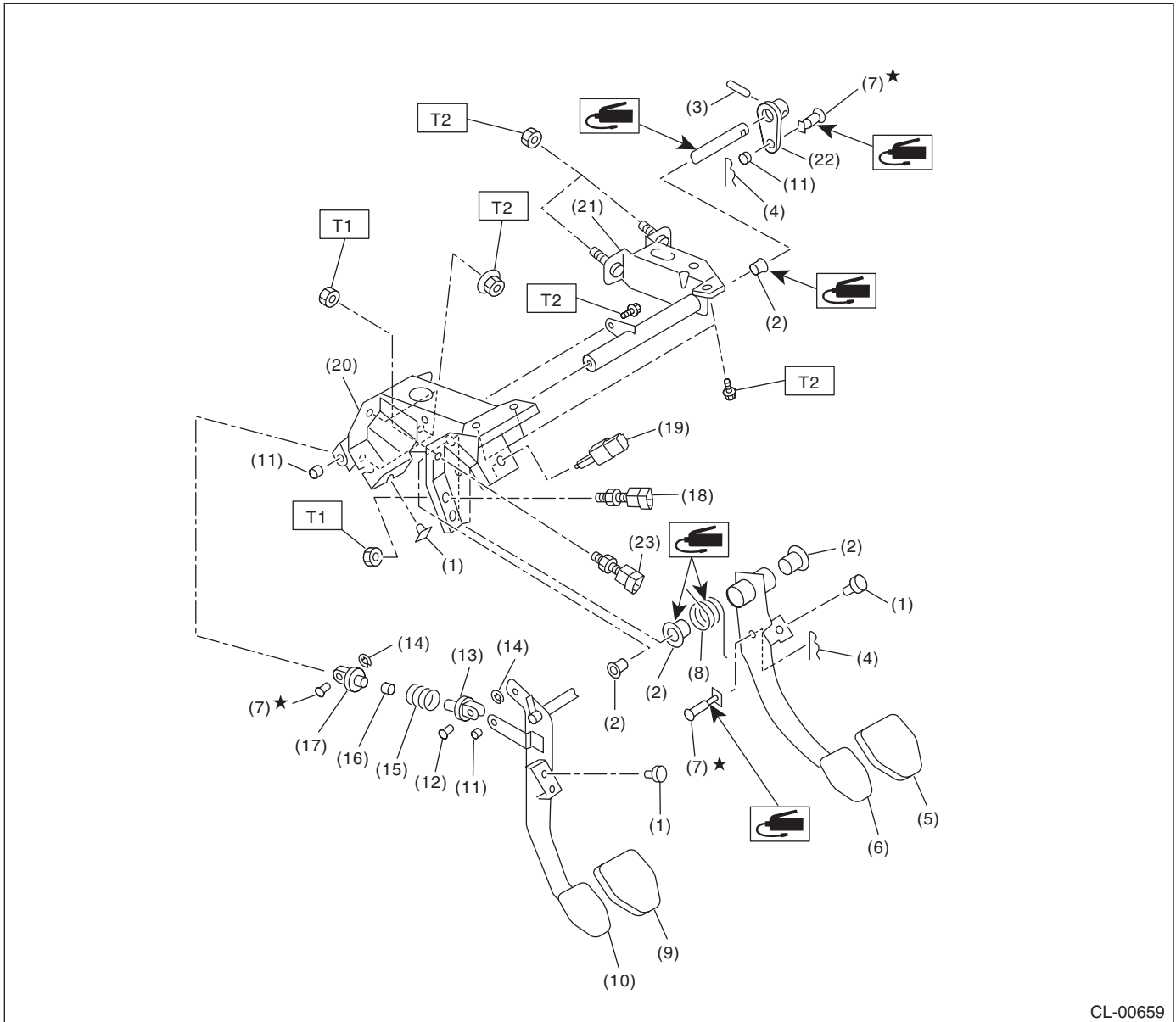
CL-00483

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

Tightening torque: N·m (kgf-m, ft-lb)

T: 7.8 (0.8, 5.8)

5. CLUTCH PEDAL



CL-00659

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

Tightening torque: N·m (kgf·m, ft·lb)

T1: 8 (0.8, 5.9)

T2: 18 (1.8, 13.3)

General Description

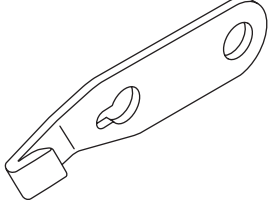
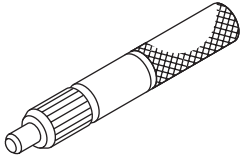
CLUTCH SYSTEM

C: 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.
- 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.
- Place shop jacks or rigid racks at the specified points.
- 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 when loosening/tightening bolts, etc.
 ST-499747100	499747100	CLUTCH DISC GUIDE	Used for installing the clutch disc to the flywheel.

2. GENERAL TOOL

TOOL NAME	REMARKS
Circuit tester	Used for measuring resistance, voltage and ampere.
Dial gauge	Used for measuring clutch disc run-out.
Depth gauge	Used for measuring clutch disc wear.