1. General Description

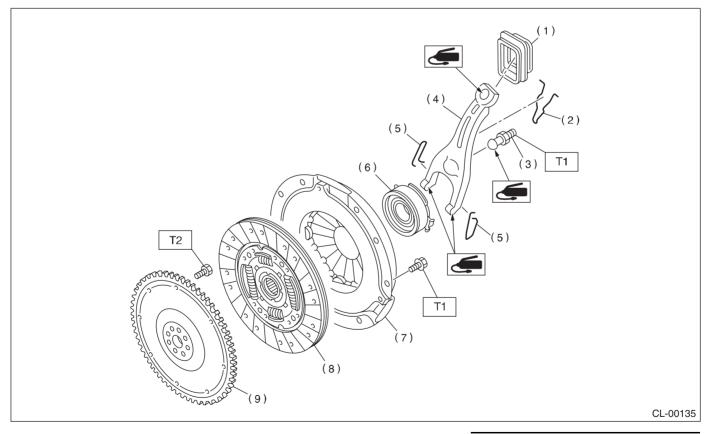
A: SPECIFICATION

Model			2.5 L Non-turbo	2.5 L Turbo
Clutch cover	Diaphragm set load	N (kgf, lbf)	5688 (580, 1,279)	8150 (831, 1,832)
Clutch disc	Facing material		Woven	
	$O.D. \times I.D. \times thickness$ mm (in)		$225 \times 150 \times 3.5 (8.86 \times 5.91 \times 0.14)$	240 × 155 × 3.2 (9.45 × 6.10 × 0.13)
	Spline outer diameter mm (in)		25.2 (0.992)	
	Donth of rivet	Standard	1.3 — 1.9 (0.051 — 0.075)	
	Depth of rivet mm (in)	Limit of sinking	0.3 (0.012)	
	Deflection limit mm (in)		0.7 (0.027) at R = 110 (4.33)	1.0 (0.039) 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 — 13 (0.16 — 0.51)	
Flywheel	Туре		Conventional	Dual mass

B: COMPONENT

1. CLUTCH ASSEMBLY

• Non-turbo model



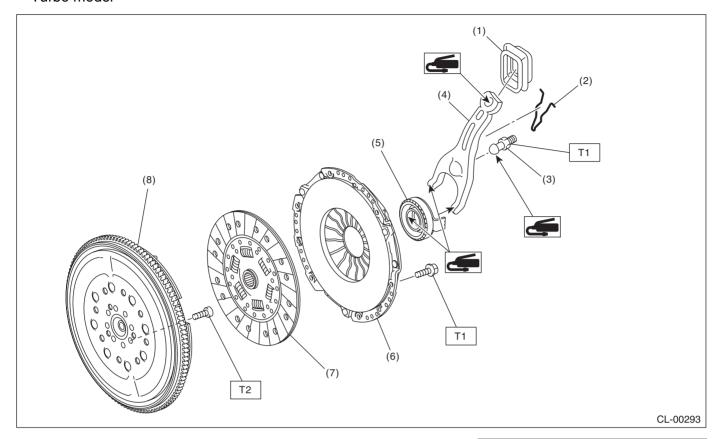
- (1) Dust cover
- (2) Lever spring
- (3) Pivot
- (4) Release lever
- (5) Clip

- (6) Release bearing
- (7) Clutch cover
- (8) Clutch disc
- (9) Conventional flywheel

Tightening torque: N⋅m (kgf-m, ft-lb)

T1: 16 (1.6, 11.8) T2: 72 (7.3, 52.8)

• Turbo model



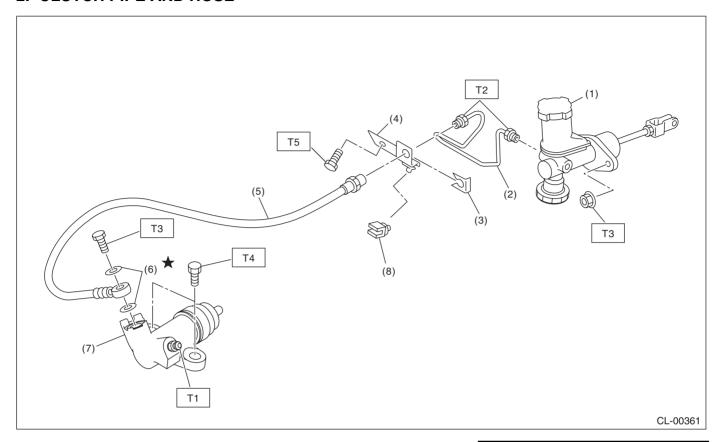
- (1) Dust cover
- (2) Lever spring
- (3) Pivot
- (4) Release lever

- (5) Release bearing
- (6) Clutch cover
- (7) Clutch disc
- (8) Dual mass flywheel

Tightening torque: N⋅m (kgf-m, ft-lb)

T1: 16 (1.6, 11.8) T2: 72 (7.3, 52.8)

2. CLUTCH PIPE AND HOSE



- (1) Master cylinder ASSY
- (2) Clutch pipe
- (3) Clamp
- (4) Bracket

- (5) Clutch hose
- (6) Washer
- (7) Operating cylinder
- (8) Clip

Tightening torque: N⋅m (kgf-m, ft-lb)

T1: 8 (0.8, 5.8)

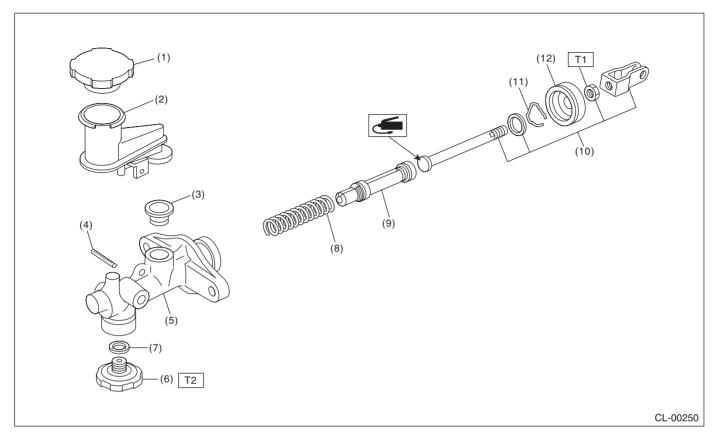
T2: 15 (1.5, 10.8)

T3: 18 (1.8, 13.0)

T4: 37 (3.8, 27.5)

T5: 25 (2.5, 18.4)

3. MASTER CYLINDER



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

- (7) Gasket
- (8) Return spring
- (9) Piston
- (10) Push rod ASSY
- (11) Piston stop ring

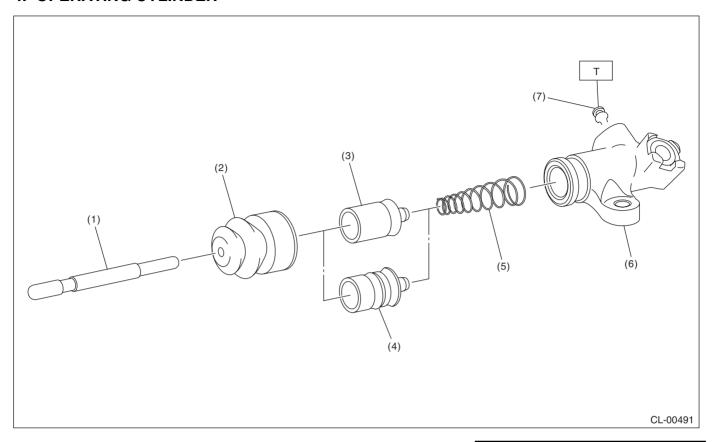
(12) Cylinder boot

Tightening torque: N⋅m (kgf-m, ft-lb)

T1: 10 (1.0, 7)

T2: 46.6 (4.75, 34.4)

4. OPERATING CYLINDER

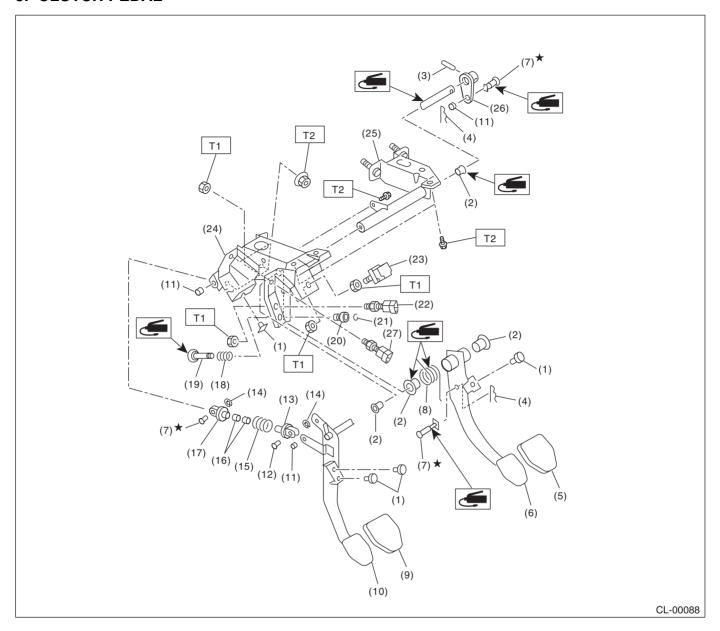


- (1) Push rod
- (2) Boot
- (3) Piston (Non-turbo model)
- (4) Piston (Turbo model)
- (5) Piston spring
- (6) Operating cylinder
- (7) Bleeder screw

Tightening torque: N·m (kgf-m, ft-lb)

T: 8 (0.8, 5.8)

5. CLUTCH PEDAL



- (1) Stopper
- (2) Bushing
- (3) Spring pin
- (4) Snap pin
- (5) Brake pedal pad
- (6) Brake pedal
- (7) Clevis pin
- (8) Brake pedal spring
- (9) Clutch pedal pad
- (10) Clutch pedal
- (11) Bushing C

- (12) Clutch clevis pin
- (13) Assist rod A
- (14) Clip
- (15) Assist spring
- (16) Assist bushing
- (17) Assist rod B
- (18) Spring S
- (19) Rod S
- (20) Bushing S
- (21) Clip

- (22) Clutch switch (Cruise control)
- (23) Stop light switch
- (24) Pedal bracket
- (25) Clutch master cylinder bracket
- (26) Lever
- (27) Clutch switch (Clutch start)

Tightening torque: N·m (kgf-m, ft-lb)

T1: 8 (0.8, 5.8)

T2: 18 (1.8, 13.0)

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
	498497100	CRANKSHAFT STOPPER	Used for stopping rotation of the flywheel when loosening/tightening bolts, etc.
ST-498497100			
	499747100	CLUTCH DISC GUIDE	Used for installing the clutch disc to the flywheel.
ST-499747100	499057000	TORX [®] PLUS	Used for removing the flywheel (dual mass flywheel type).
ST-499057000			

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.	