

## CLUTCH SYSTEM

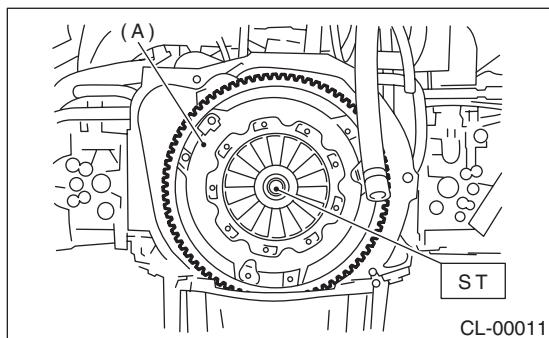
## 2. Clutch Disc and Cover

### A: REMOVAL

1) Remove the transmission assembly from the vehicle body. <Ref. to 5MT-26, REMOVAL, Manual Transmission Assembly.>

2) Attach the ST on the flywheel.

ST 499747100 CRANKSHAFT STOPPER



(A) Clutch cover

3) Remove the clutch cover and clutch disc.

#### NOTE:

- Take care not to allow oil to touch the clutch disc face.
- Do not disassemble the clutch cover or clutch disc.
- Be sure to mark alignment marks on the flywheel and clutch cover before removing the clutch cover.

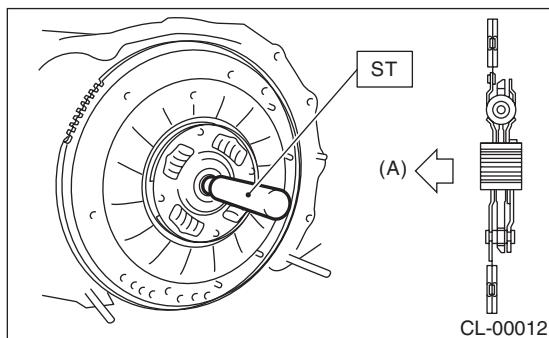
### B: INSTALLATION

1) Insert the ST into the clutch disc and attach to the flywheel by inserting the ST end into pilot bearing.

#### NOTE:

When installing the clutch disc, be careful to attach in the correct direction.

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(A) Flywheel side

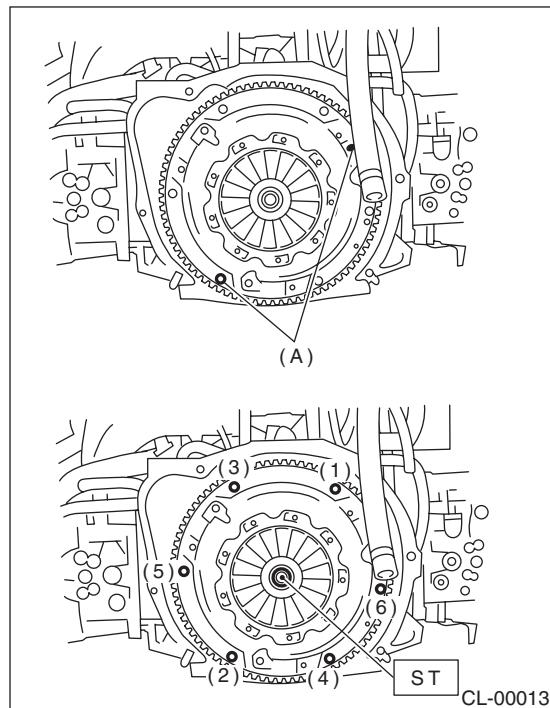
2) Install the clutch cover to the flywheel, and tighten the bolts to the specified torque.

#### NOTE:

- When installing the clutch cover to the flywheel, position the clutch cover in order to make the gap between unbalance marks (● paint mark) of flywheel and clutch cover 120° or more. (The unbalance marks ● indicate the directions of residual unbalance.)
- Note the front and rear of the clutch disc when installing.
- Temporarily tighten the bolts by hand. Each bolt should be tightened to the specified torque in a crisscross order.

#### Tightening torque:

16 N·m (1.6 kgf·m, 11.6 ft·lb)



(A) Unbalance mark (paint)

3) Remove the ST.

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4) Install the transmission assembly. <Ref. to 5MT-29, INSTALLATION, Manual Transmission Assembly.>

**C: INSPECTION****1. CLUTCH DISC****1) Facing wear**

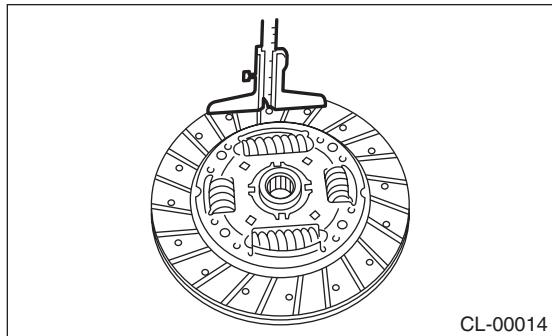
Measure the depth of the rivet head from the surface of facing. Replace if the facings are worn locally or worn down to less than the specified value.

**Depth of rivet head:****Limit of sinking**

**0.3 mm (0.012 in)**

**NOTE:**

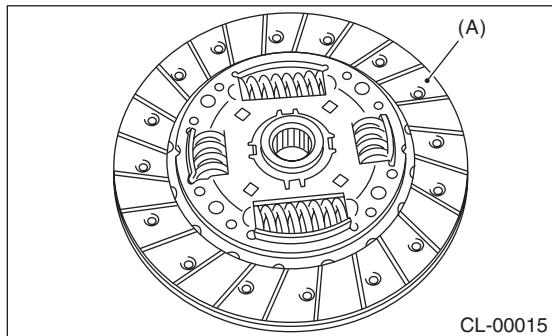
Do not wash the clutch disc with any cleaning fluid.

**2) Hardened facing**

Correct by using emery paper, or replace.

**3) Oil soakage on facing**

Replace the clutch disc and inspect transmission front oil seal, transmission case mating surface, engine rear oil seal and other points for oil leakage.



(A) Clutch facing

**4) Facing runout**

If runout exceeds the specified value at the outer circumference of facing, repair or replace.

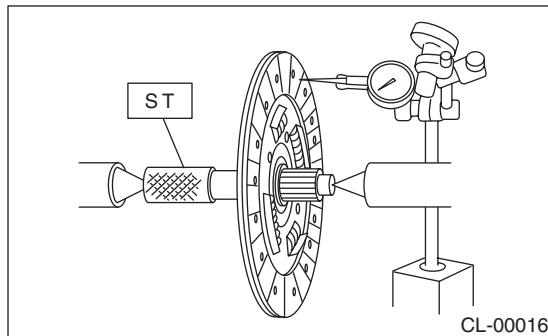
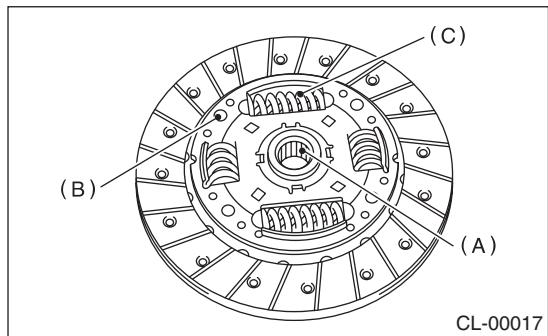
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**Limit of runout:****Non-turbo model**

**0.7 mm (0.028 in) at  $R = 107.5$  mm (4.23 in)**

**2.0 L Turbo model**

**0.7 mm (0.028 in) at  $R = 110$  mm (4.33 in)**

**5) Replace parts that have problems such as worn splines, loose rivets and torsion spring failure.**

(A) Spline

(B) Rivet

(C) Torsion spring

# Clutch Disc and Cover

## CLUTCH SYSTEM

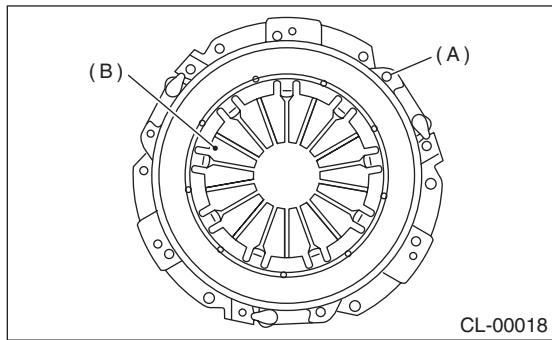
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### 2. CLUTCH COVER

#### NOTE:

Visually check the following items without disassembling, and replace or repair if there is a problem.

- 1) Loose thrust rivet
- 2) Damaged or worn bearing contact area at the center of diaphragm spring



(A) Thrust rivet

(B) Diaphragm spring