

## 2. Clutch Disc and Cover

### A: REMOVAL

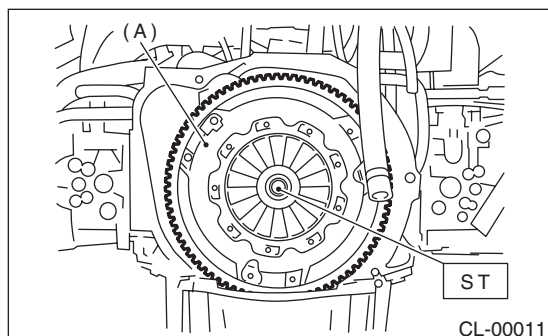
#### NOTE:

The illustration below is for a 5MT non-turbo model. However, perform the same procedures for models other than 5MT non-turbo model as well.

1) Remove the transmission assembly from vehicle body. <Ref. to 5MT-24, REMOVAL, Manual Transmission Assembly.> <Ref. to 6MT-33, REMOVAL, Manual Transmission Assembly.>

2) Insert the ST on the flywheel.

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(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.

### B: INSTALLATION

#### NOTE:

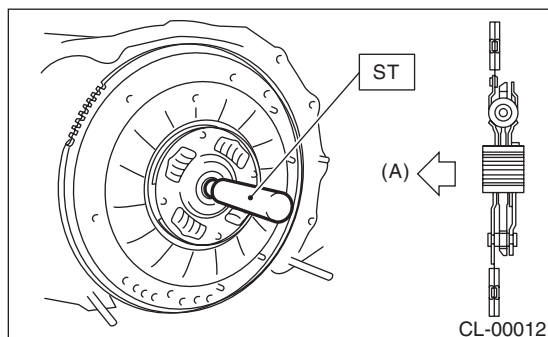
The illustration below is for a 5MT non-turbo model. However, perform the same procedures for models other than 5MT non-turbo model as well.

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

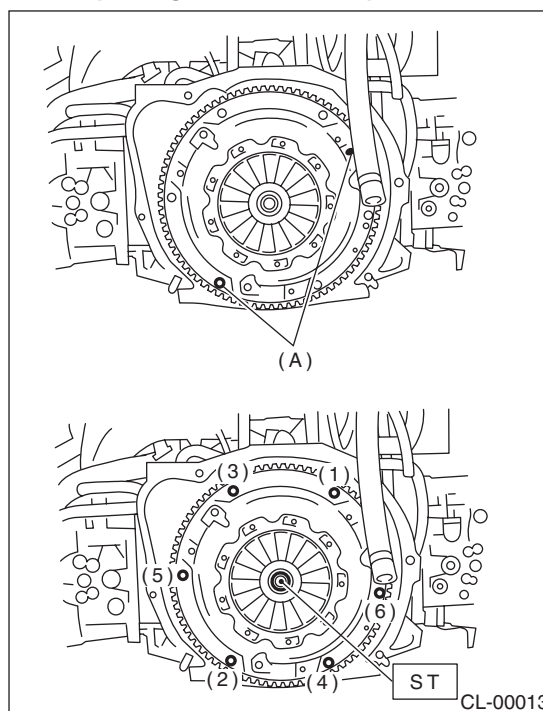
2) Install the clutch cover to the flywheel and tighten the bolts to the specified torque.

#### NOTE:

- When installing the clutch cover to the fly wheel, position the clutch cover so that the distance between unbalance marks (● paint marks) is at least 120°. (The unbalance marks ● indicate the directions of residual unbalance.)
- Note the front and rear of the clutch disc when installing.
- Tighten the clutch cover installing bolts gradually. Each bolt should be tightened to the specified torque in a crisscross order.

#### Tightening torque:

16 N·m (1.6 kgf-m, 11.8 ft-lb)



(A) Unbalance mark (paint)

3) Remove the ST.

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4) Install the transmission assembly. <Ref. to 5MT-26, INSTALLATION, Manual Transmission Assembly.> <Ref. to 6MT-35, INSTALLATION, Manual Transmission Assembly.>

### C: INSPECTION

#### NOTE:

The illustration below is for a Non-turbo model. However, perform the same procedures for the Turbo model.

#### 1. CLUTCH DISC

##### 1) Facing wear:

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

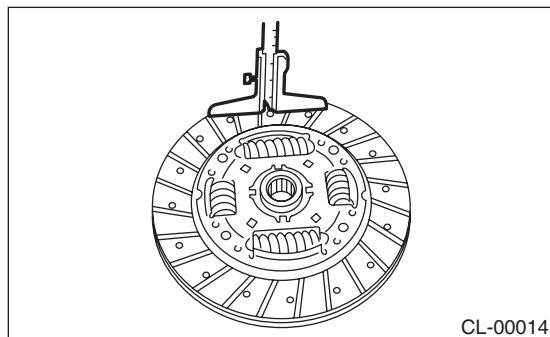
##### **Depth to rivet head:**

##### **Limit of sinking**

**0.3 mm (0.012 in)**

#### NOTE:

Do not wash the clutch disc with any type of cleaning fluid.

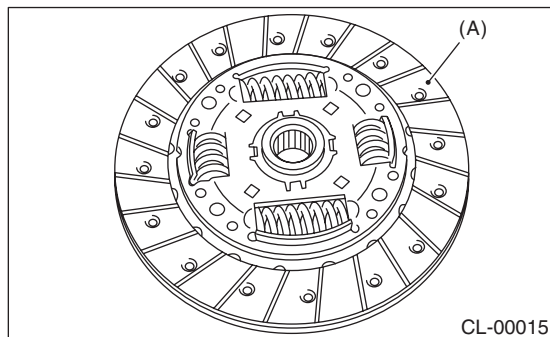


##### 2) Hardened facing

Replace the clutch disc.

##### 3) Oil soakage on facing

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



(A) Clutch facing

##### 4) Deflection on facing:

If deflection exceeds the specified value at the outer circumference of the facing, replace the clutch disc.

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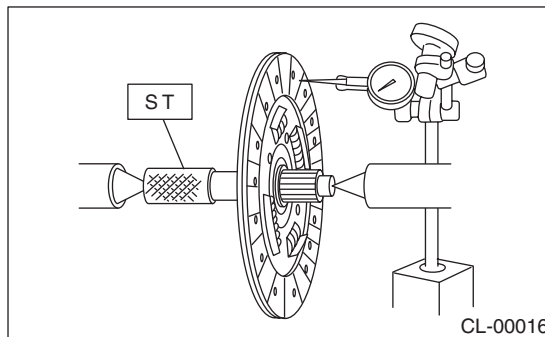
##### **Limit for deflection:**

##### **Turbo model**

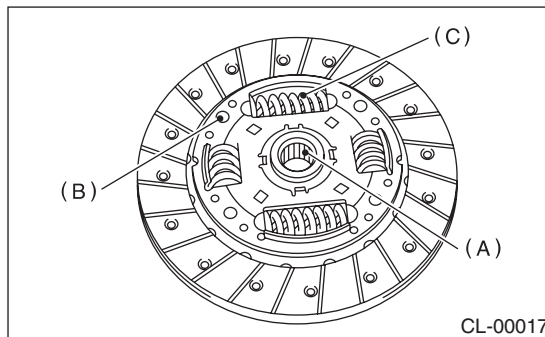
**1.0 mm (0.039 in) at R = 110 mm (4.33 in)**

##### **Non-turbo model**

**0.7 mm (0.027 in) at R = 110 mm (4.33 in)**



5) If there is spline wear, loose rivets, failed damper springs, etc., replace the clutch disc.



(A) Spline

(B) Rivet

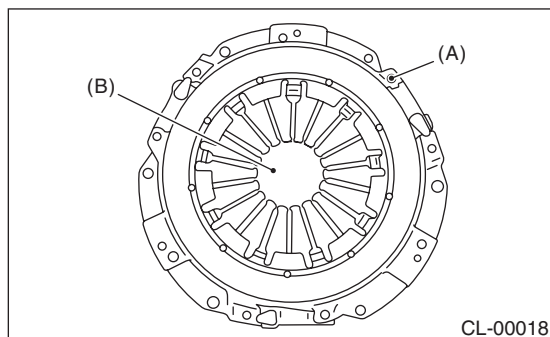
(C) Damper spring

## 2. CLUTCH COVER

### NOTE:

Visually check the following items without disassembling, and replace or repair if defective.

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



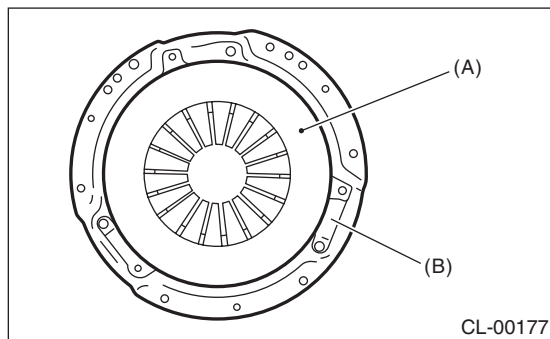
(A) Thrust rivet

(B) Diaphragm spring

- 3) Damaged or worn disc contact surface of the pressure plate

- 4) Loose strap plate installation area

- 5) Worn diaphragm sliding area



(A) Pressure plate

(B) Strap plate