

### 3. Flywheel

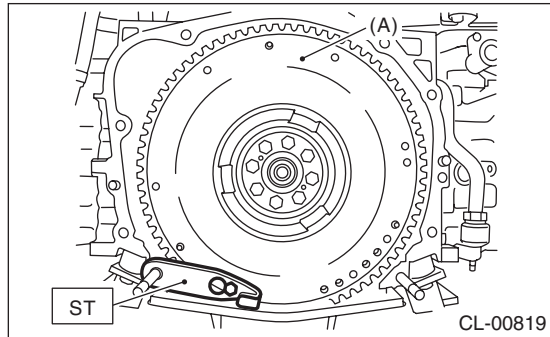
#### A: REMOVAL

1) Remove the transmission assembly. <Ref. to 5MT-22, REMOVAL, Manual Transmission Assembly.>

2) Remove the clutch cover and clutch disc. <Ref. to CL-9, REMOVAL, Clutch Disc and Cover.>

3) Attach the ST.

ST 498497100 CRANKSHAFT STOPPER



(A) Flywheel

4) Remove the flywheel and crankshaft position sensor plate.

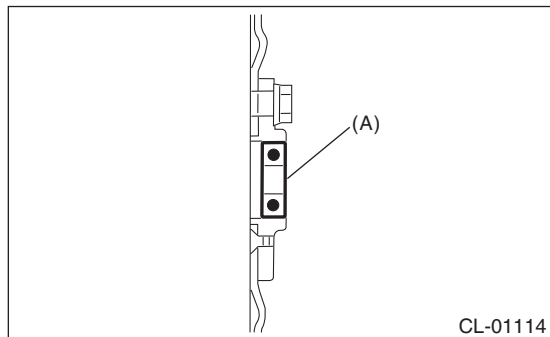
5) Drive out the pilot bearing from flywheel.

#### B: INSTALLATION

1) Press-fit a new pilot bearing to a position between flush with the flywheel and 0.4 mm in depth from there.

#### CAUTION:

Do not press the bearing inner ring.



(A) Pilot bearing

2) Temporarily tighten the crankshaft position sensor plate and flywheel.

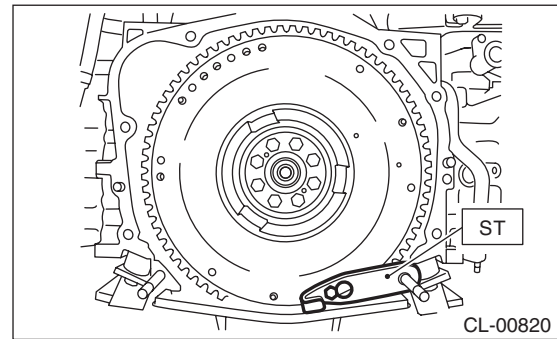
#### NOTE:

Align the knock pin hole of the crankshaft position sensor plate to the knock pin of the crankshaft to secure the knock pin.

3) Attach the ST.

ST 498497100

CRANKSHAFT STOPPER

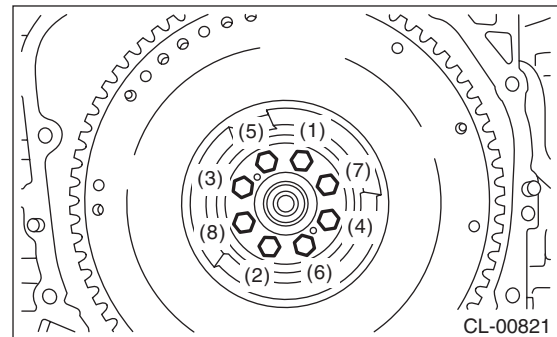


4) Tighten the flywheel mounting bolts in two stages.

(1) Tighten the flywheel attachment bolts.

#### Tightening torque:

30 N·m (3.1 kgf-m, 22.1 ft-lb)



(2) While checking the tightening angle with the angle gauge, further tighten the flywheel mounting bolts.

#### Tightening angle:

30° — 35°

5) Install the clutch disc and cover. <Ref. to CL-9, INSTALLATION, Clutch Disc and Cover.>

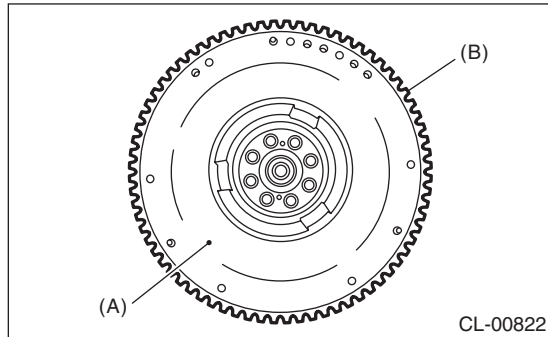
6) Install the transmission assembly. <Ref. to 5MT-25, INSTALLATION, Manual Transmission Assembly.>

### C: INSPECTION

#### CAUTION:

**Because the center pilot bearing is grease-sealed and is a non-lubrication type, do not wash with gasoline or solvents.**

1) If there is damage or defectiveness in the facing sliding surface or ring gear, replace the flywheel.



(A) Flywheel

(B) Ring gear

2) Smoothness of rotation

Rotate the ball bearing while applying pressure in the thrust direction.

3) If noise or excessive play is noted, replace the pilot bearing.