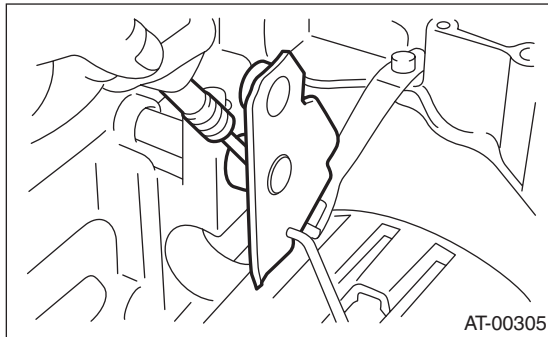


## 37. Transmission Control Device

### A: REMOVAL

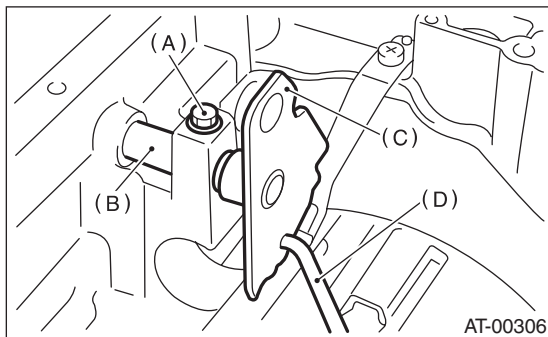
- 1) Remove the transmission assembly from vehicle body. <Ref. to 5AT-36, REMOVAL, Automatic Transmission Assembly.>
- 2) Pull out the torque converter assembly. <Ref. to 5AT-64, REMOVAL, Torque Converter Assembly.>
- 3) Lift-up the lever on the rear side of transmission harness connector, and then disconnect it from the stay.
- 4) Disconnect the air breather hose. <Ref. to 5AT-62, REMOVAL, Air Breather Hose.>
- 5) Wrap vinyl tape around the nipple attached to the air breather hose.
- 6) Remove the pitching stopper bracket.
- 7) Remove the control valve body assembly. <Ref. to 5AT-55, REMOVAL, Control Valve Body.>
- 8) Pull out the straight pin of manual plate.



- 9) Remove the bolts securing select lever, and then remove the select lever, manual plate and parking rod.

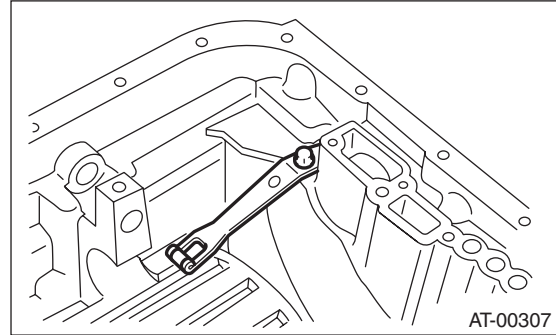
#### NOTE:

Be careful not to damage the lips of press-fitted oil seal in the case.



- (A) Bolt
- (B) Range select lever
- (C) Manual plate
- (D) Parking rod

- 10) Remove the detention spring.

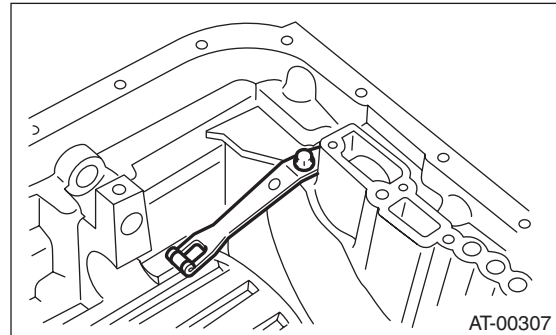


### B: INSTALLATION

- 1) Install the detention spring to the transmission case.

#### Tightening torque:

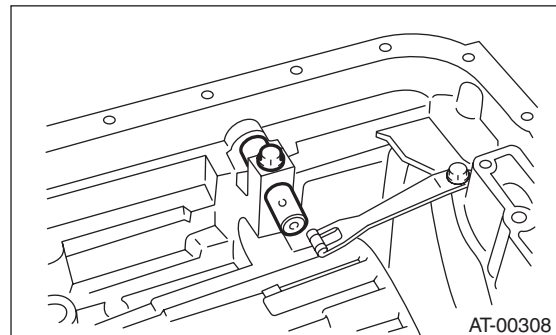
**7 N·m (0.7 kgf-m, 5.2 ft-lb)**



- 2) Insert the select lever, and then tighten the bolt.

#### Tightening torque:

**7 N·m (0.7 kgf-m, 5.2 ft-lb)**

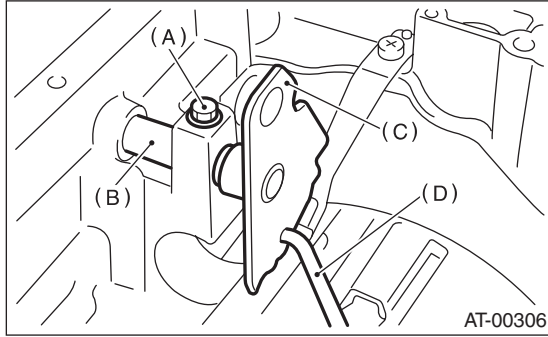


# Transmission Control Device

## AUTOMATIC TRANSMISSION

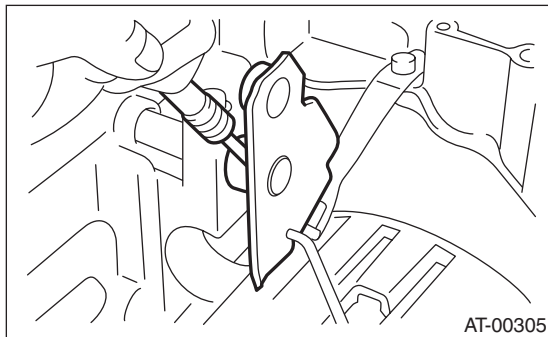
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- 3) Insert the manual plate and parking rod.



- (A) Bolt
- (B) Range select lever
- (C) Manual plate
- (D) Parking rod

- 4) Insert the spring pin to the manual plate.



- 5) Install the oil pan and the control valve assembly. <Ref. to 5AT-55, INSTALLATION, Control Valve Body.>

- 6) Install the pitching stopper bracket.

### ***Tightening torque:***

**41 N·m (4.2 kgf-m, 30.4 ft-lb)**

- 7) Insert the transmission connector to the stay.

- 8) Install the air breather hose. <Ref. to 5AT-62, INSTALLATION, Air Breather Hose.>

- 9) Install the torque converter assembly. <Ref. to 5AT-64, INSTALLATION, Torque Converter Assembly.>

- 10) Install the transmission assembly to the vehicle. <Ref. to 5AT-40, INSTALLATION, Automatic Transmission Assembly.>

## **C: INSPECTION**

Make sure the manual lever and detention spring are not worn or otherwise damaged.

# AUTOMATIC TRANSMISSION (DIAGNOSTICS)

## *5AT(diag)*

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