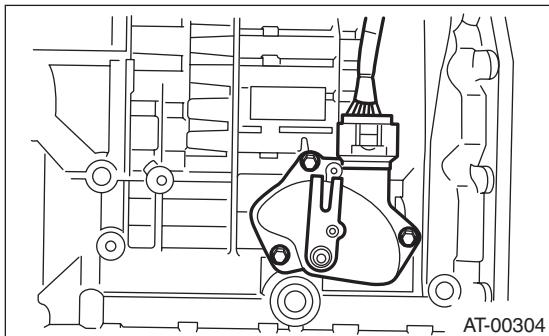


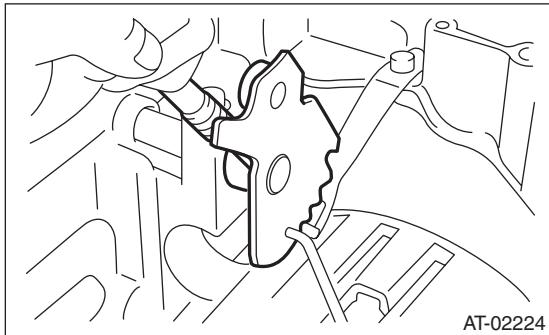
### 36. Transmission Control Device

#### A: REMOVAL

- 1) Remove the transmission assembly from vehicle body. <Ref. to 4AT-34, REMOVAL, Automatic Transmission Assembly.>
- 2) Pull out the torque converter assembly. <Ref. to 4AT-66, REMOVAL, Torque Converter Assembly.>
- 3) Remove the input shaft.
- 4) Lift-up the lever on the rear side of transmission harness connector, and then remove it from the stay.
- 5) Disconnect the air breather hose. <Ref. to 4AT-64, REMOVAL, Air Breather Hose.>
- 6) Remove the inhibitor switch connector from the stay.
- 7) Wrap vinyl tape around the nipple attached to the air breather hose.
- 8) Remove the pitching stopper bracket.
- 9) Remove the inhibitor switch.



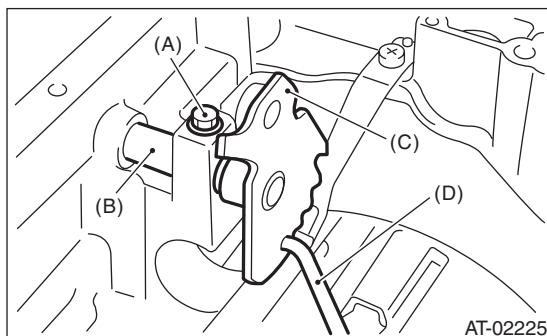
- 10) Remove the control valve body assembly. <Ref. to 4AT-55, REMOVAL, Control Valve Body.>
- 11) Pull out the straight pin of manual plate.



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

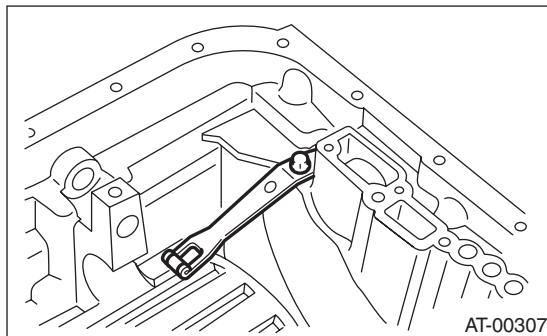
**NOTE:**

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

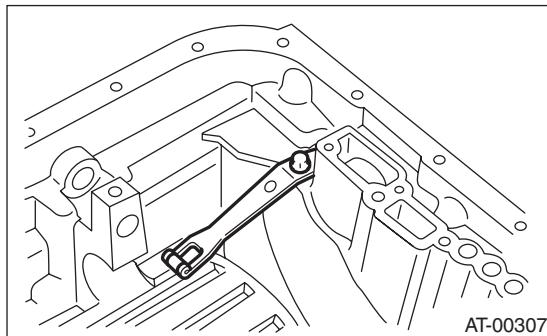
- 13) Remove the detention spring.



#### B: INSTALLATION

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

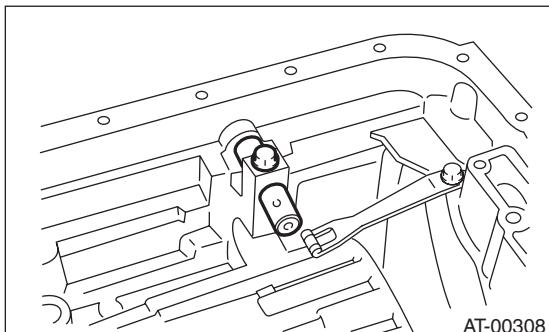
**Tightening torque:**  
**6 N·m (0.6 kgf·m, 4.3 ft-lb)**



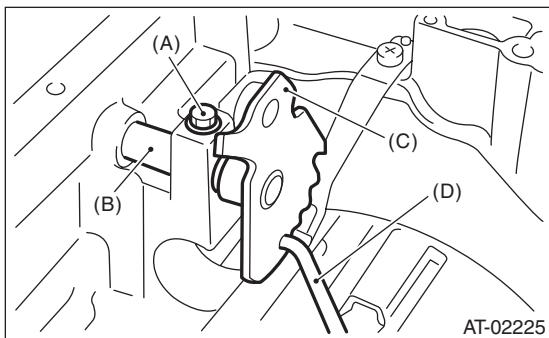
2) Insert the select lever, and then tighten the bolt.

**Tightening torque:**

6 N·m (0.6 kgf·m, 4.3 ft-lb)

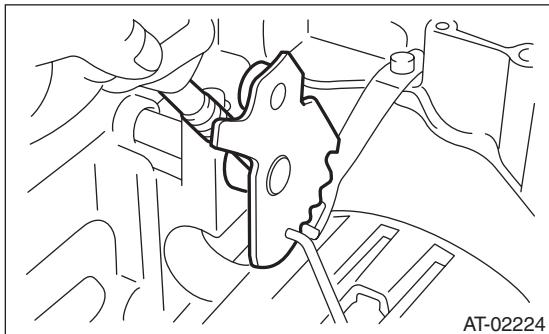


3) Insert the manual plate and parking rod.



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

4) Insert a new straight pin to manual plate.



5) Install the oil pan and the control valve assembly. <Ref. to 4AT-56, INSTALLATION, Control Valve Body.>

6) Turn over the transmission case to its original position.

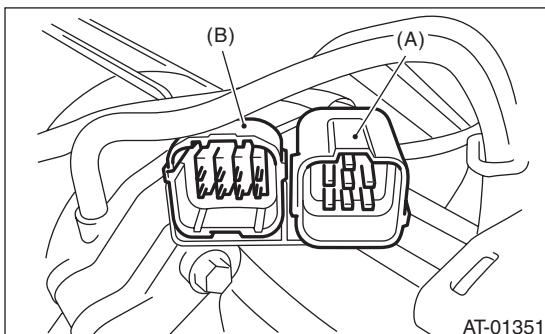
7) Install the pitching stopper bracket.

**Tightening torque:**

41 N·m (4.2 kgf·m, 30.4 ft-lb)

8) Install and adjust the inhibitor switch. <Ref. to 4AT-45, Inhibitor Switch.>

9) Insert the inhibitor switch and transmission connector to the stay.



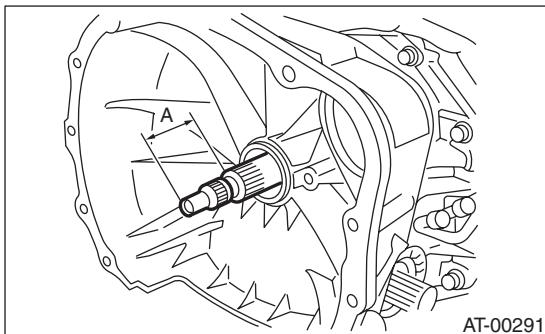
- (A) Transmission connector
- (B) Inhibitor switch connector

10) Install the air breather hose. <Ref. to 4AT-64, INSTALLATION, Air Breather Hose.>

11) Insert the input shaft while rotating it lightly by hand, and then check the amount of protrusion.

**Normal protrusion A:**

50 — 55 mm (1.97 — 2.17 in)



12) Install the torque converter assembly. <Ref. to 4AT-66, INSTALLATION, Torque Converter Assembly.>

13) Install the transmission assembly to the vehicle. <Ref. to 4AT-36, INSTALLATION, Automatic Transmission Assembly.>

## C: INSPECTION

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

# **Transmission Control Device**

AUTOMATIC TRANSMISSION

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# AUTOMATIC TRANSMISSION (DIAGNOSTICS)

# 4AT(*diag*)

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