

## 13. Inhibitor Switch

### A: INSPECTION

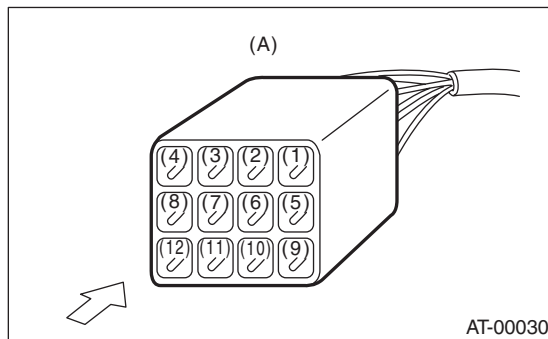
When the driving condition or starter motor operation is improper, first check the shift linkage for improper operation. If the shift linkage is functioning properly, check the inhibitor switch.

- 1) Disconnect the inhibitor switch connector.
- 2) Check continuity in inhibitor switch circuits with the select lever moved to each position.

#### NOTE:

- Also check that there is no continuity in ignition circuit when the select lever is in the “R”, “D”, “3”, “2” and “1” ranges.
- If the inhibitor switch does not operate, check for poor contact of the connector on transmission side.

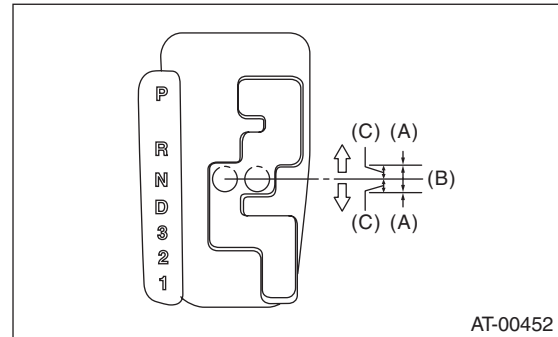
	Range	Pin No.
Signal sent to TCM	P	4 — 3
	R	4 — 2
	N	4 — 1
	D	4 — 8
	3	4 — 7
	2	4 — 6
	1	4 — 5
Ignition circuit	P/N	12 — 11
Back-up light circuit	R	10 — 9



(A) Inhibitor switch connector

- 3) Check if there is continuity at equal points when the select lever is turned 1.5° to the “R” and “D” ranges from the “N” range.

If there is continuity in only one direction or in other points, adjust the inhibitor switch. <Ref. to 4AT-47, ADJUSTMENT, Inhibitor Switch.>



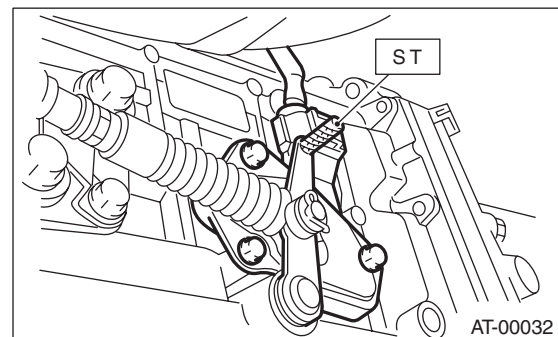
- (A) Continuity does not exist.
- (B) Continuity exists.
- (C) 1.5°

- 4) Repeat the above checks for the other ranges. If there are abnormalities, adjust the select cable. <Ref. to CS-27, ADJUSTMENT, Select Cable.>

### B: ADJUSTMENT

- 1) Shift the select lever to “N” range.
- 2) Loosen the three inhibitor switch assembly securing bolts.
- 3) Insert the ST as vertical as possible into the holes in the inhibitor switch lever and switch body.

ST 499267300 STOPPER PIN



- 4) Tighten the three inhibitor switch assembly securing bolts.

#### Tightening torque:

**3.4 N·m (0.35 kgf-m, 2.6 ft-lb)**

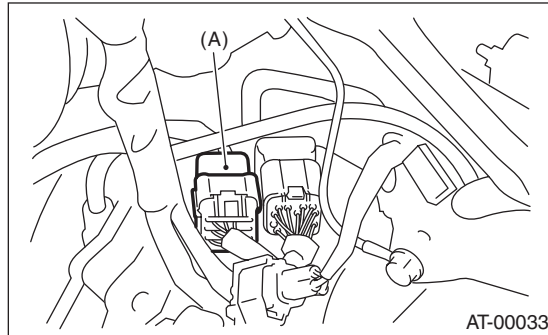
- 5) Repeat the inspections of the inhibitor switch. If the inhibitor switch is determined to be faulty, replace it. <Ref. to 4AT-47, INSPECTION, Inhibitor Switch.>

# Inhibitor Switch

## AUTOMATIC TRANSMISSION

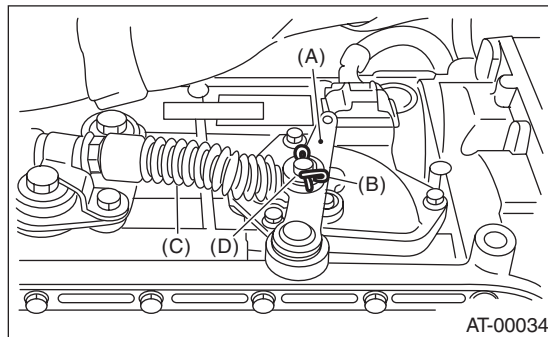
### C: REMOVAL

- 1) Set the vehicle on a lift.
- 2) Move the select lever to "N".
- 3) Remove the air intake chamber. (Non-turbo model)  
<Ref. to IN(H4SO)-6, REMOVAL, Air Intake Chamber.>
- 4) Remove the intercooler. (Turbo model)  
<Ref. to IN(H4DOTC)-11, REMOVAL, Intercooler.>
- 5) Disconnect the inhibitor switch connector.



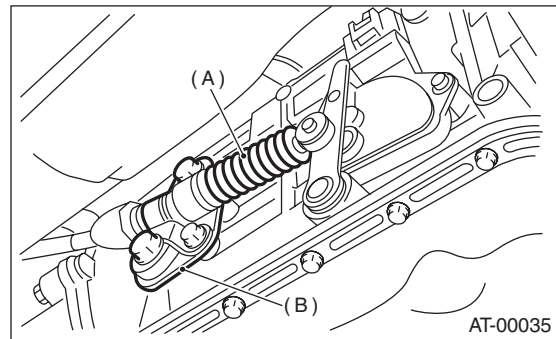
(A) Inhibitor switch connector

- 6) Remove the inhibitor switch connector from the stay.
- 7) Lift up the vehicle.
- 8) Remove the front and center exhaust pipes.
  - Non-turbo model  
<Ref. to EX(H4SO)-4, REMOVAL, Front Exhaust Pipe.>
  - Turbo model  
<Ref. to EX(H4DOTC)-8, REMOVAL, Center Exhaust Pipe.>
- 9) Remove the snap pin and washer from the range select lever.



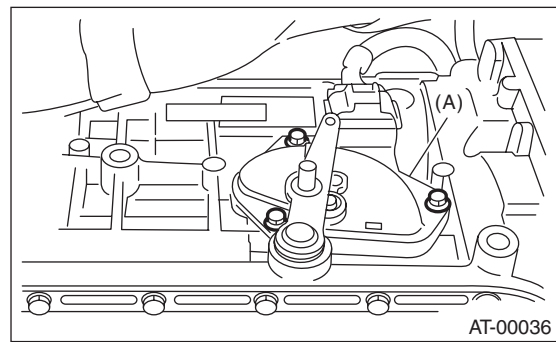
- (A) Range select lever  
(B) Snap pin  
(C) Select cable  
(D) Washer

- 10) Remove the plate assembly from the transmission case.



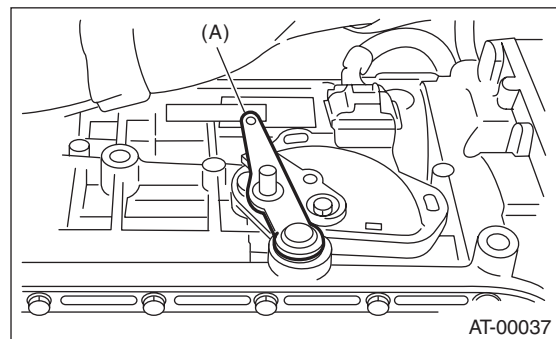
- (A) Select cable  
(B) Plate ASSY

- 11) Remove the bolt.



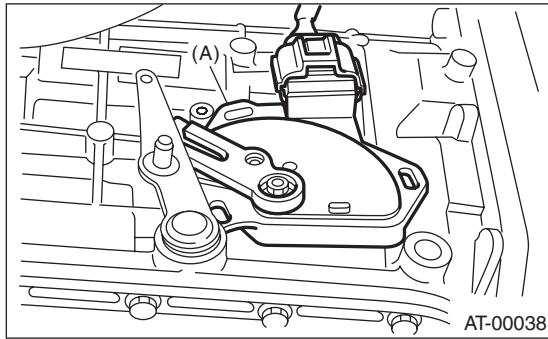
(A) Inhibitor switch ASSY

- 12) Move the range select lever to the parking position (left side).



(A) Range select lever

- 13) Remove the inhibitor switch assembly from the transmission.

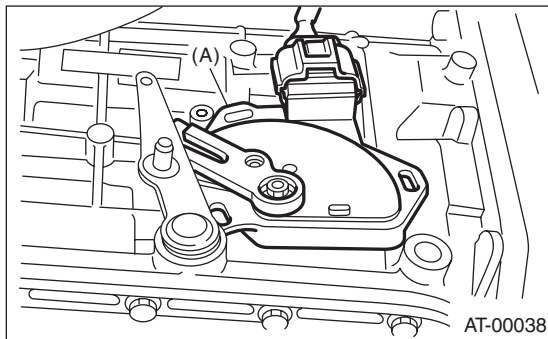


(A) Inhibitor switch ASSY

- 14) Disconnect the inhibitor switch harness connector from the inhibitor switch.

## D: INSTALLATION

- 1) Connect the inhibitor switch harness connector to the inhibitor switch.
- 2) Install the inhibitor switch assembly to the transmission case.



(A) Inhibitor switch ASSY

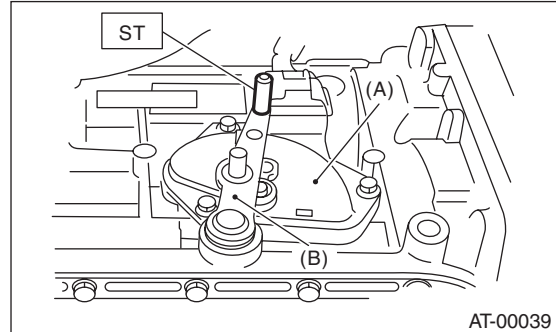
- 3) Move the range select lever to the neutral position.

- 4) Using the ST, tighten the bolts of the inhibitor switch.

ST 499267300 STOPPER PIN

**Tightening torque:**

**3.4 N·m (0.36 kgf-m, 2.6 ft-lb)**



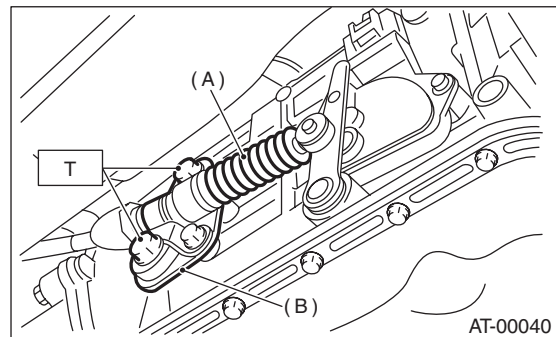
(A) Inhibitor switch ASSY

(B) Range select lever

- 5) Install the select cable to the range select lever.
- 6) Install the plate assembly to the transmission.

**Tightening torque:**

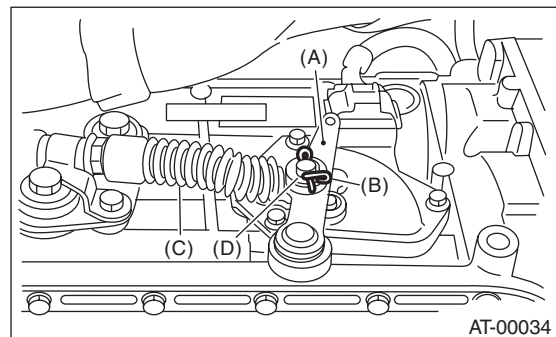
**T: 25 N·m (2.5 kgf-m, 18.4 ft-lb)**



(A) Select cable

(B) Plate ASSY

- 7) Install the washer and snap pin to the range select lever.



(A) Range select lever

(B) Snap pin

(C) Select cable

(D) Washer

# Inhibitor Switch

## AUTOMATIC TRANSMISSION

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8) Install the front and center exhaust pipe.

- Non-turbo model

<Ref. to EX(H4SO)-5, INSTALLATION, Front Exhaust Pipe.>

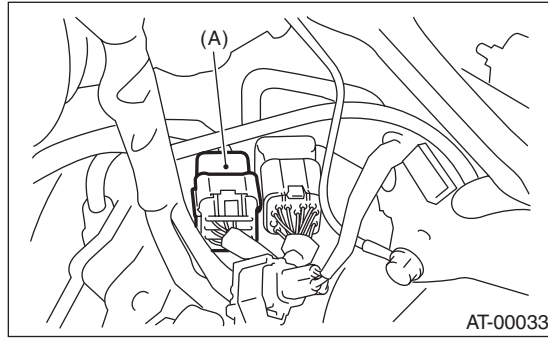
- Turbo model

<Ref. to EX(H4DOTC)-9, INSTALLATION, Center Exhaust Pipe.>

9) Lower the vehicle.

10) Install the inhibitor switch connector to the stay.

11) Connect the inhibitor switch connector.



(A) Inhibitor switch connector

12) Install the air intake chamber. (Non-turbo model)

<Ref. to IN(H4SO)-6, INSTALLATION, Air Intake Chamber.>

13) Install the intercooler. (Turbo model)

<Ref. to IN(H4DOTC)-11, INSTALLATION, Intercooler.>

14) Inspect the inhibitor switch. <Ref. to 4AT-47, INSPECTION, Inhibitor Switch.>