

Inhibitor Switch

AUTOMATIC TRANSMISSION

13. Inhibitor Switch

A: INSPECTION

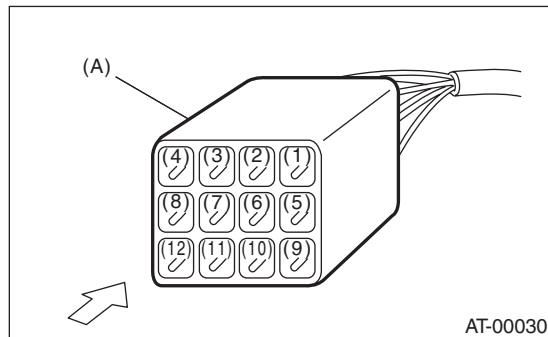
When the driving condition or starter motor operation is improper, first check the shift linkage for improper operation. If the shift linkage is functioning properly, check the inhibitor switch.

- 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 the ignition circuit when the select lever is in the "R" and "D" ranges.
- If the inhibitor switch does not operate, check for poor contact of the connector on transmission side.

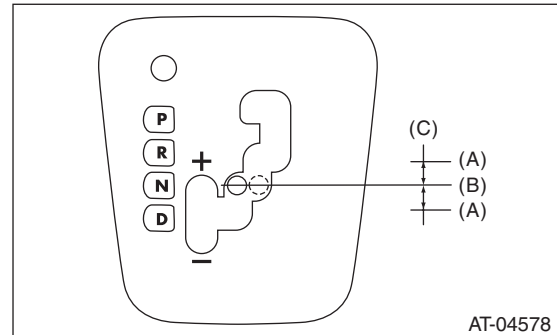
Signal sent to TCM	Range	Pin No.
	P	4 — 3
	R	4 — 2
	N	4 — 1
	D	4 — 8
Ignition circuit	P/N	12 — 11
Back-up light circuit	R	10 — 9



(A) Inhibitor switch connector

- 3) Check that there is continuity at equal points when the select lever is moved 1.5° in both directions from the "N" range.

If there is continuity in only one direction or in other points, adjust the inhibitor switch. <Ref. to 4AT-46, ADJUSTMENT, Inhibitor Switch.>



(A) Continuity does not exist.

(B) Continuity exists.

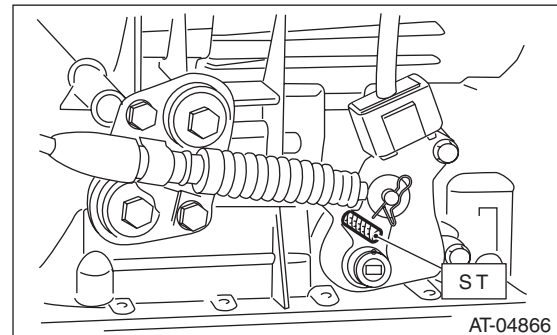
(C) 1.5°

- 4) Repeat the above inspection in other gear ranges. If there are faults, adjust the select cable. <Ref. to CS-26, ADJUSTMENT, Select Cable.>

B: ADJUSTMENT

- 1) Set the select lever to "N" range.
- 2) Loosen the two bolts holding the inhibitor switch.
- 3) Insert the ST as vertical as possible into the holes of the shifter arm and switch body.

ST 499267300 STOPPER PIN



- 4) Tighten the two bolts holding the inhibitor switch.

Tightening torque:

5 N·m (0.5 kgf-m, 3.7 ft-lb)

- 5) Repeat the inspection of the inhibitor switch. If the inhibitor switch is determined to be "faulty", replace it.

C: REMOVAL

- 1) Set the vehicle on a lift.
- 2) Set the select lever to "N" range.
- 3) Lift up the vehicle.

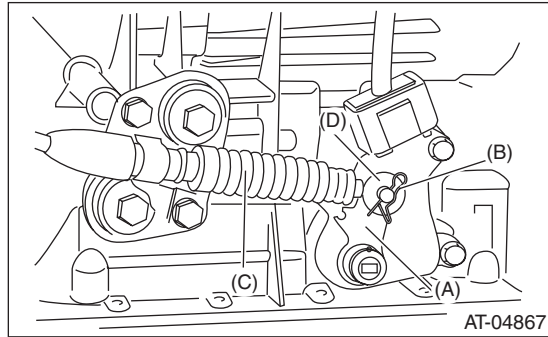
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4) Remove the front and center exhaust pipes. (non-turbo model) <Ref. to EX(H4SO)-6, REMOVAL, Front Exhaust Pipe.> <Ref. to EX(H4SO)-9, REMOVAL, Center Exhaust Pipe.>

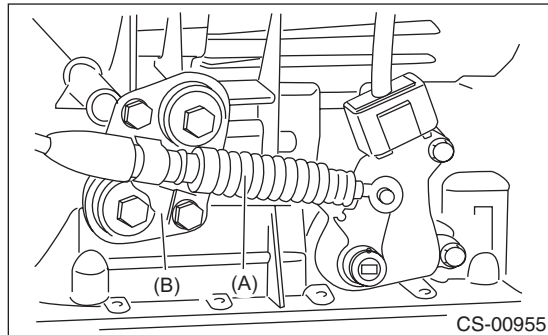
5) Remove the center exhaust pipe. (Turbo model) <Ref. to EX(H4DOTC)-9, REMOVAL, Center Exhaust Pipe.>

6) Remove the snap pin and washer from the shifter arm.



- (A) Shifter arm
- (B) Snap pin
- (C) Select cable
- (D) Washer

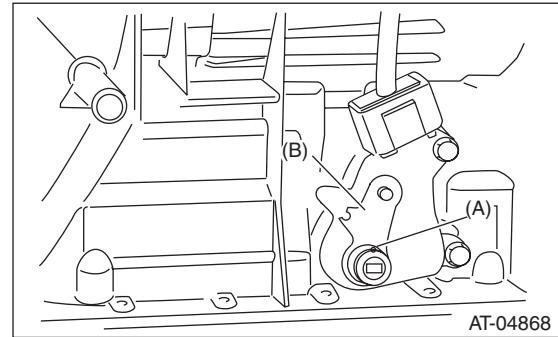
7) Remove the plate assembly from the transmission case.



- (A) Select cable
- (B) Plate ASSY

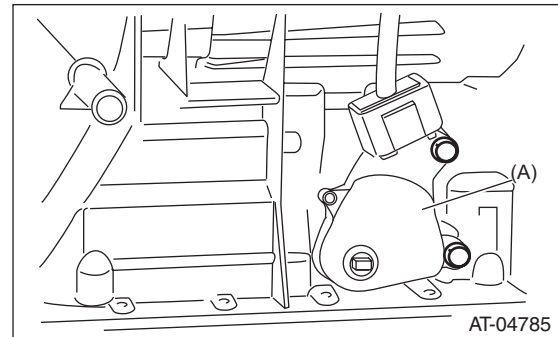
8) Using the ST, remove the spring pin and remove the shifter arm.

ST 398791600 REMOVER



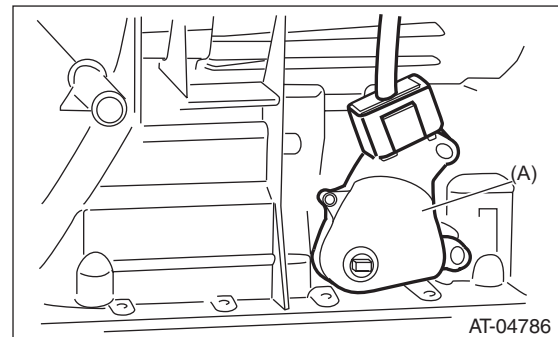
- (A) Spring pin
- (B) Shifter arm

9) Remove the two inhibitor switch securing bolts.



- (A) Inhibitor switch

10) Remove the inhibitor switch from the transmission.



- (A) Inhibitor switch

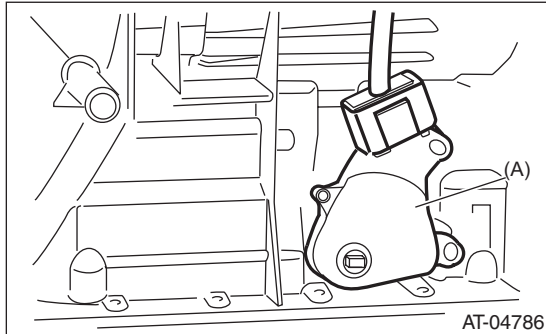
11) Disconnect the inhibitor switch harness connector from the inhibitor switch.

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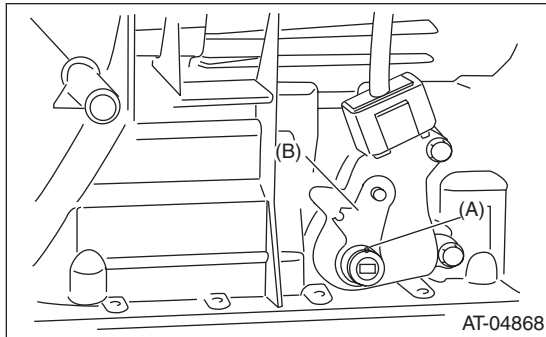
D: INSTALLATION

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



(A) Inhibitor switch

- 3) Install the shifter arm and fix with a new spring pin.



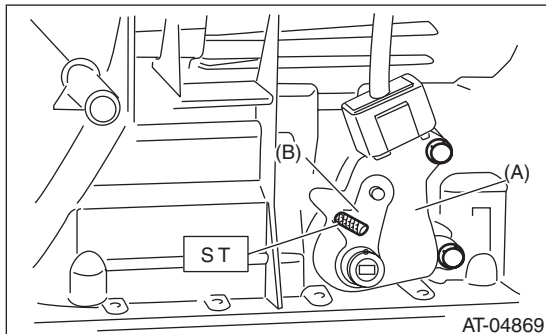
(A) Spring pin
(B) Shifter arm

- 4) Move the shifter arm to the neutral position.
- 5) Using the ST, tighten the two bolts holding the inhibitor switch.

ST 499267300 STOPPER PIN

Tightening torque:

5 N·m (0.5 kgf-m, 3.7 ft-lb)



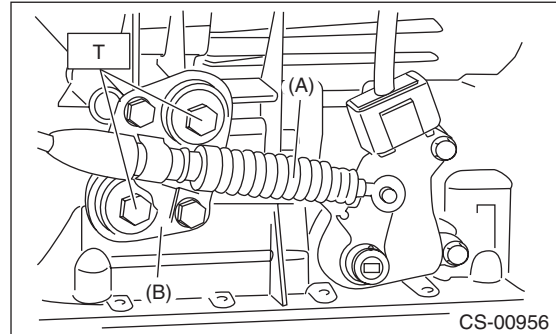
(A) Inhibitor switch
(B) Shifter arm

- 6) Install the select cable to the shifter arm.

- 7) Install the plate assembly to the transmission.

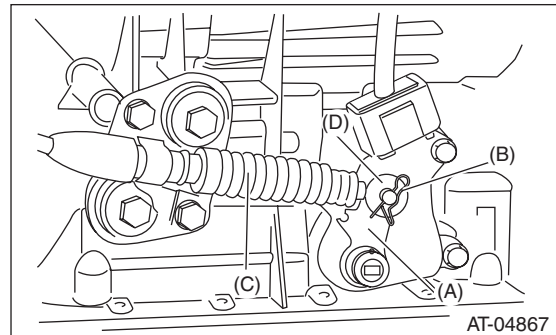
Tightening torque:

T: 25 N·m (2.5 kgf-m, 18.4 ft-lb)



(A) Select cable
(B) Plate ASSY

- 8) Install the washer and snap pin to the shifter arm.



(A) Shifter arm
(B) Snap pin
(C) Select cable
(D) Washer

- 9) Install the front and center exhaust pipe. (non-turbo model) <Ref. to EX(H4SO)-7, INSTALLATION, Front Exhaust Pipe.> <Ref. to EX(H4SO)-9, INSTALLATION, Center Exhaust Pipe.>
- 10) Install the center exhaust pipe. (Turbo model) <Ref. to EX(H4DOTC)-10, INSTALLATION, Center Exhaust Pipe.>
- 11) Lower the vehicle.
- 12) Check the inhibitor switch. <Ref. to 4AT-46, INSPECTION, Inhibitor Switch.>