

13. Inhibitor Switch

A: INSPECTION

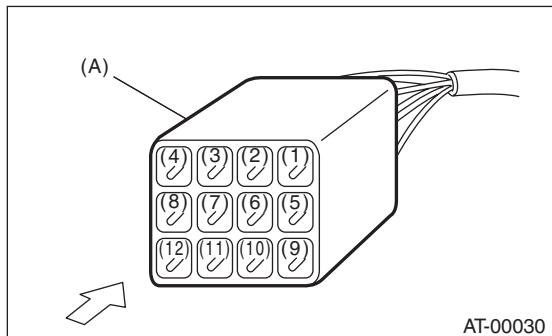
When the driving condition or starter motor operation is improper, first check the shift linkage for improper operation. If the shift linkage is functioning properly, check the inhibitor switch.

- 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.

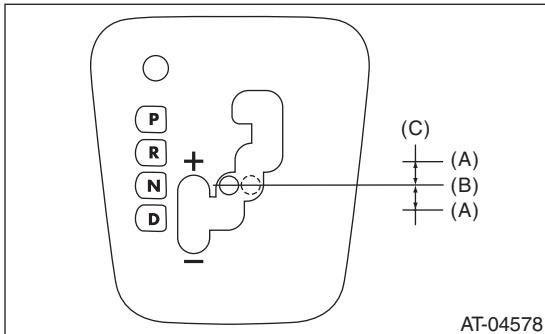
	Range	Pin No.
Signal sent to TCM	P	4 — 3
	R	4 — 2
	N	4 — 1
	D	4 — 8
Ignition circuit	P/N	12 — 11
Back-up light circuit	R	10 — 9



(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.>



AT-04578

(A) Continuity does not exist.

(B) Continuity exists.

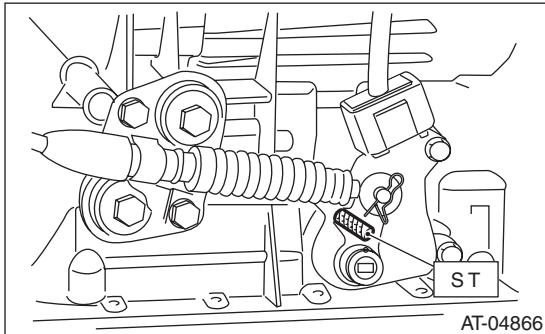
(C) 1.5°

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



AT-04866

- 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.

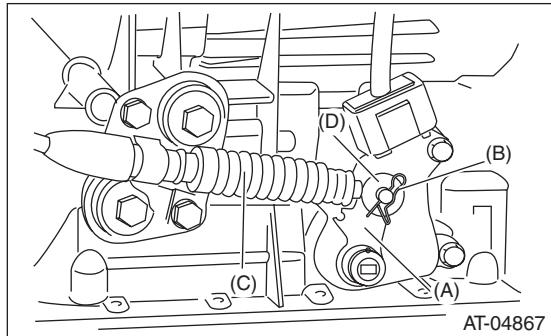
C: REMOVAL

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

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.>

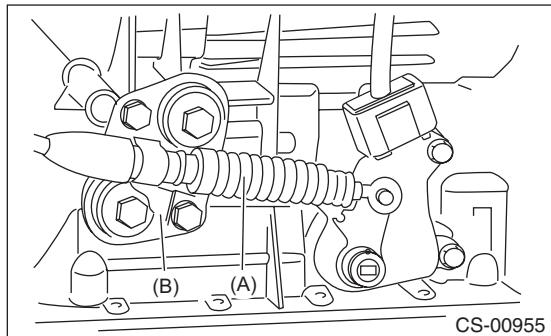
5) Remove the center exhaust pipe. (Turbo model) <Ref. to EX(H4DOTC)-9, REMOVAL, Center Exhaust Pipe.>

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



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

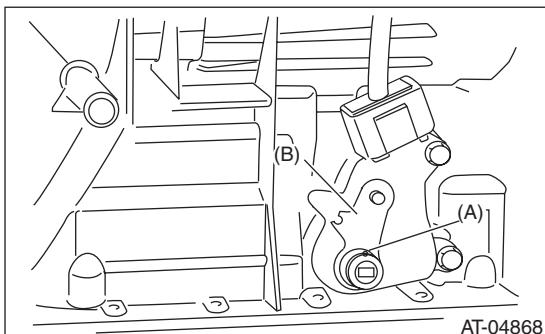
7) Remove the plate assembly from the transmission case.



(A) Select cable
(B) Plate ASSY

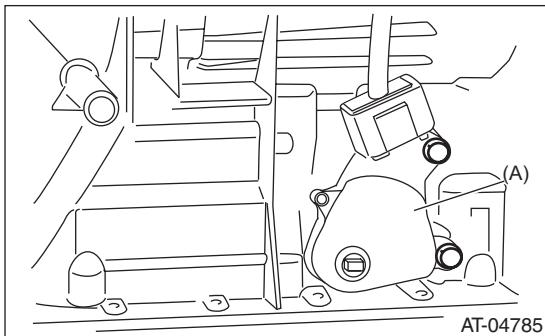
8) Using the ST, remove the spring pin and remove the shifter arm.

ST 398791600 REMOVER



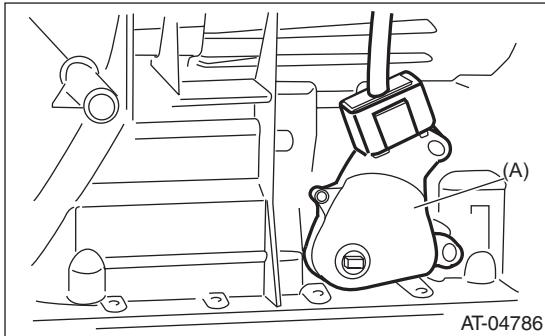
(A) Spring pin
(B) Shifter arm

9) Remove the two inhibitor switch securing bolts.



(A) Inhibitor switch

10) Remove the inhibitor switch from the transmission.

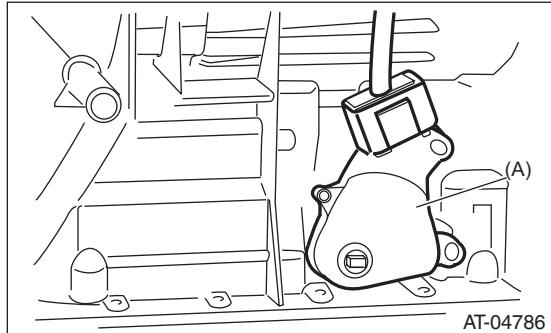


(A) Inhibitor switch

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

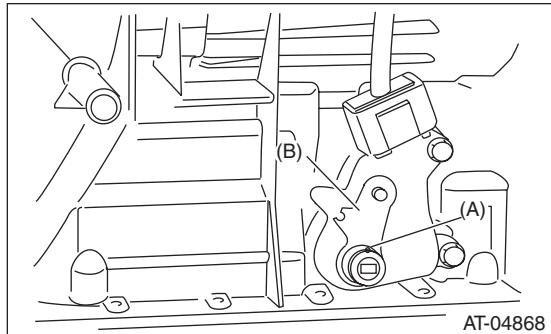
D: INSTALLATION

- 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.



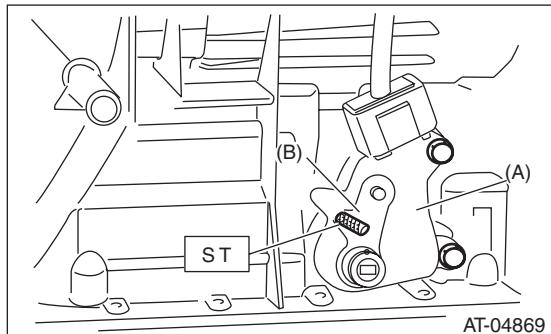
(A) Spring pin
(B) Shifter arm

- 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)



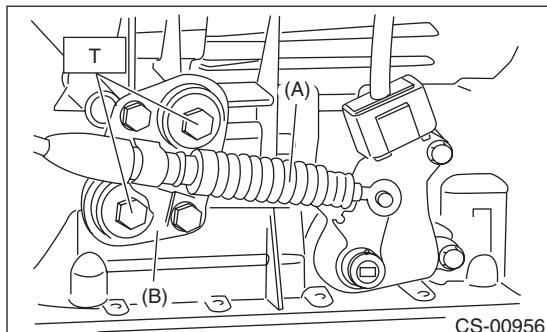
(A) Inhibitor switch
(B) Shifter arm

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

- 7) Install the plate assembly to the transmission.

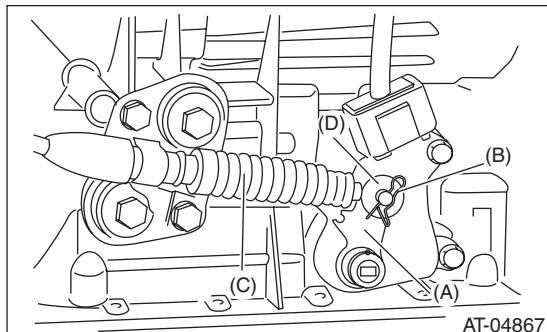
Tightening torque:

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.>