

# Inhibitor Switch

CONTINUOUSLY VARIABLE TRANSMISSION

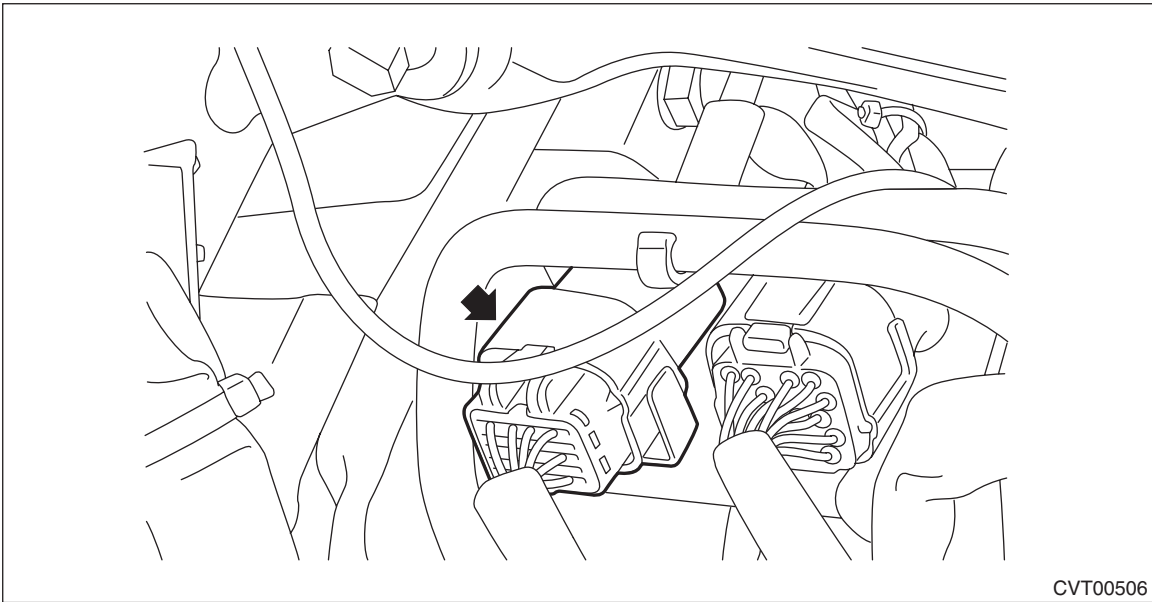
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## 14. Inhibitor Switch

### 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) Remove the intercooler. <Ref. to IN(w/o STI)-38, REMOVAL, Intercooler.>
- 2) Disconnect the inhibitor harness connector.



# Inhibitor Switch

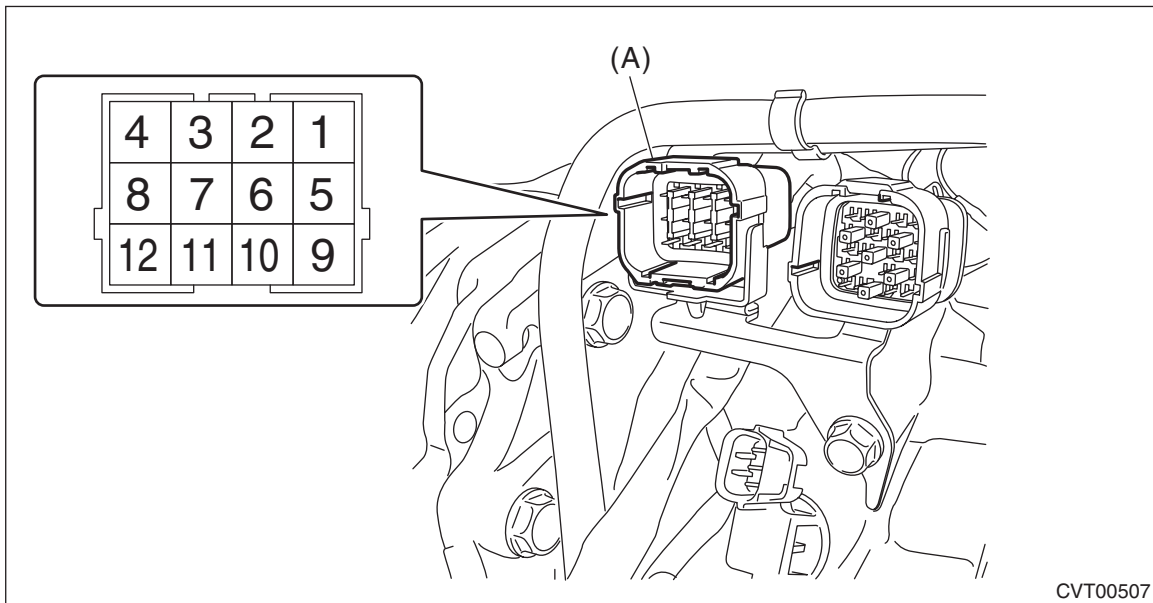
CONTINUOUSLY VARIABLE TRANSMISSION

3) Check for continuity in inhibitor switch circuit by shifting the select lever in “P”, “R”, “N” and “D” respectively.

## NOTE:

- Check that there is no continuity in the starter circuit when the select lever is in the “R” and “D” ranges.
- When inhibitor switch is normal, check there is no poor contact in vehicle side connector and no open circuit in harness.

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



CVT00507

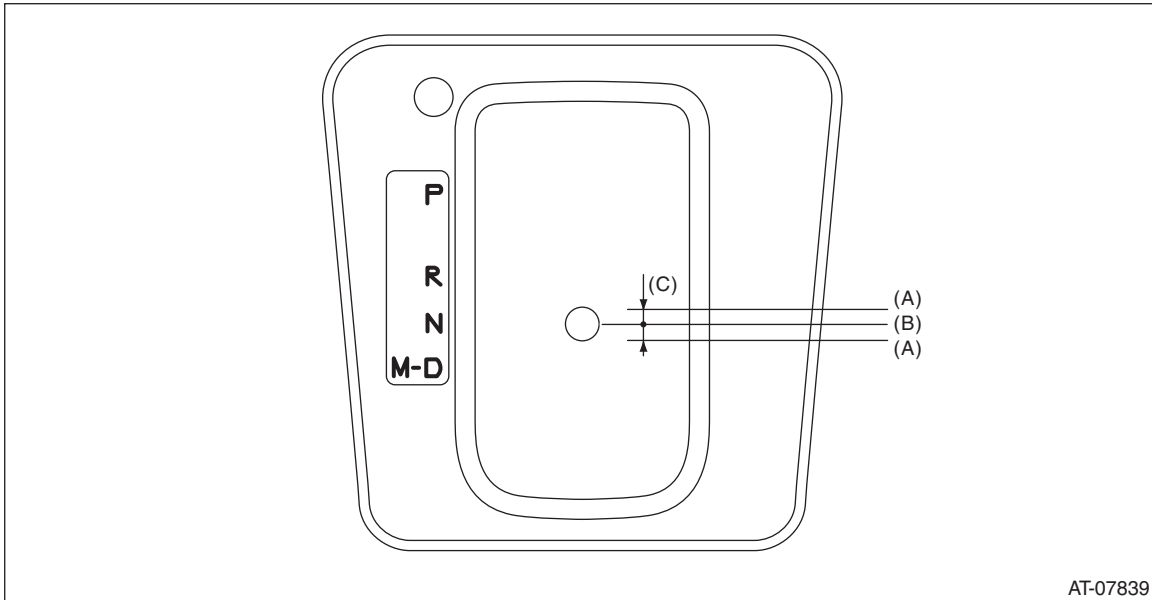
(A) Inhibitor harness connector

# Inhibitor Switch

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4) Check that there is continuity at equal points when the select lever is moved  $1.5^\circ$  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 CVT(TR690)-94, ADJUSTMENT, Inhibitor Switch.>



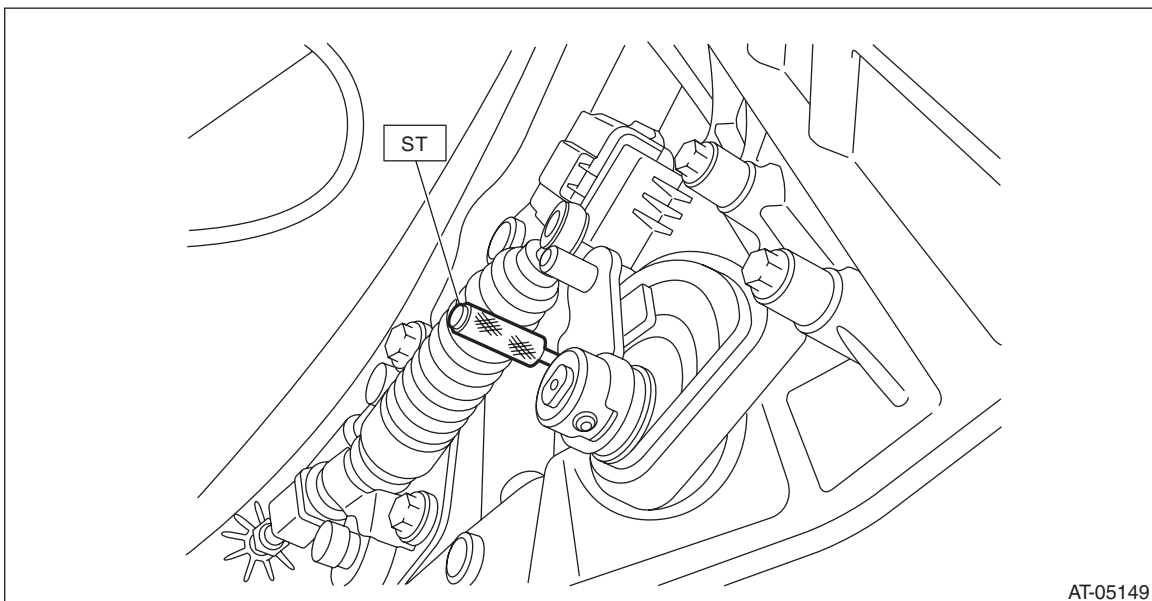
AT-07839

- (A) Continuity does not exist.
- (B) Continuity exists.
- (C)  $1.5^\circ$

5) Repeat the above inspection in other gear ranges. If there is fault, adjust the inhibitor switch and select cable. <Ref. to CVT(TR690)-94, ADJUSTMENT, Inhibitor Switch.> <Ref. to CS-47, ADJUSTMENT, Select Cable.>

## B: ADJUSTMENT

- 1) Shift the select lever to "N" range.
  - 2) Loosen the two bolts holding the inhibitor switch.
  - 3) Insert the ST vertically into the holes of the shifter arm and switch body.
- ST 499267300 STOPPER PIN



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4) Tighten the two bolts holding the inhibitor switch.

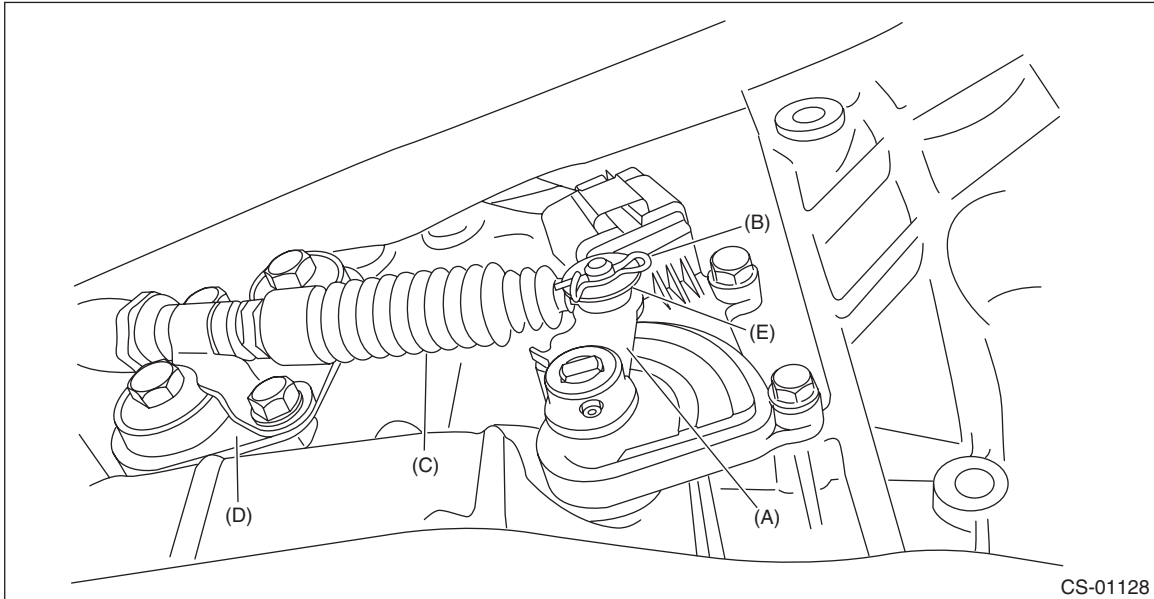
**Tightening torque:**

**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) Shift the select lever to “N” range.
- 2) Disconnect the ground terminal from battery sensor. <Ref. to NT-5, BATTERY, NOTE, Note.>
- 3) Lift up the vehicle.
- 4) Remove the snap pin and washer from the shifter arm.

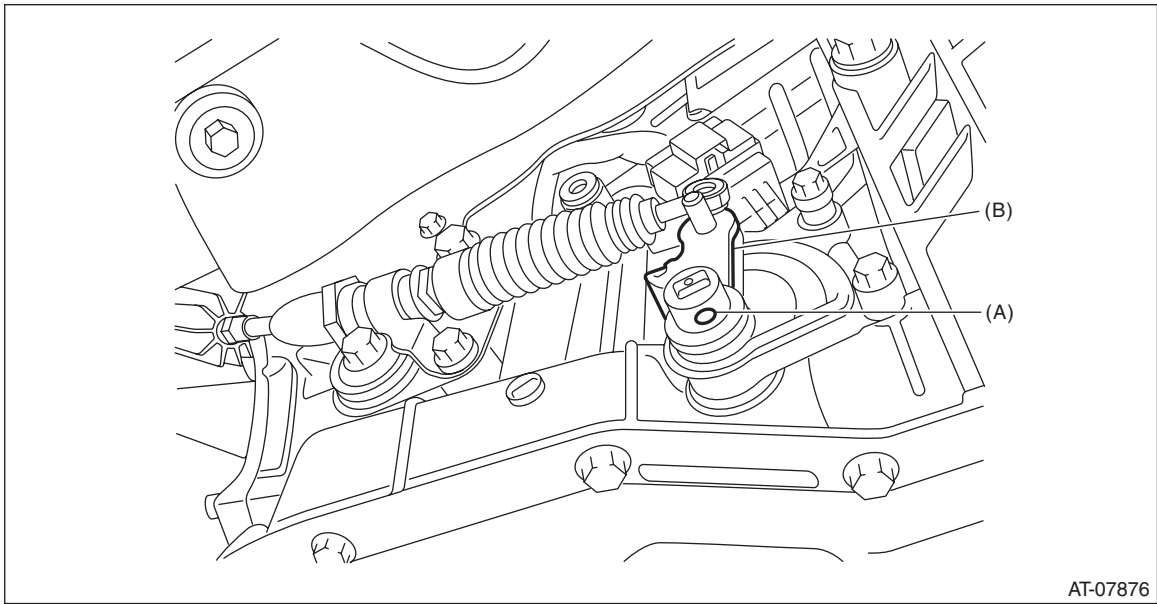


- (A) Shifter arm
- (B) Snap pin
- (C) Select cable
- (D) Plate ASSY
- (E) Washer

## Inhibitor Switch

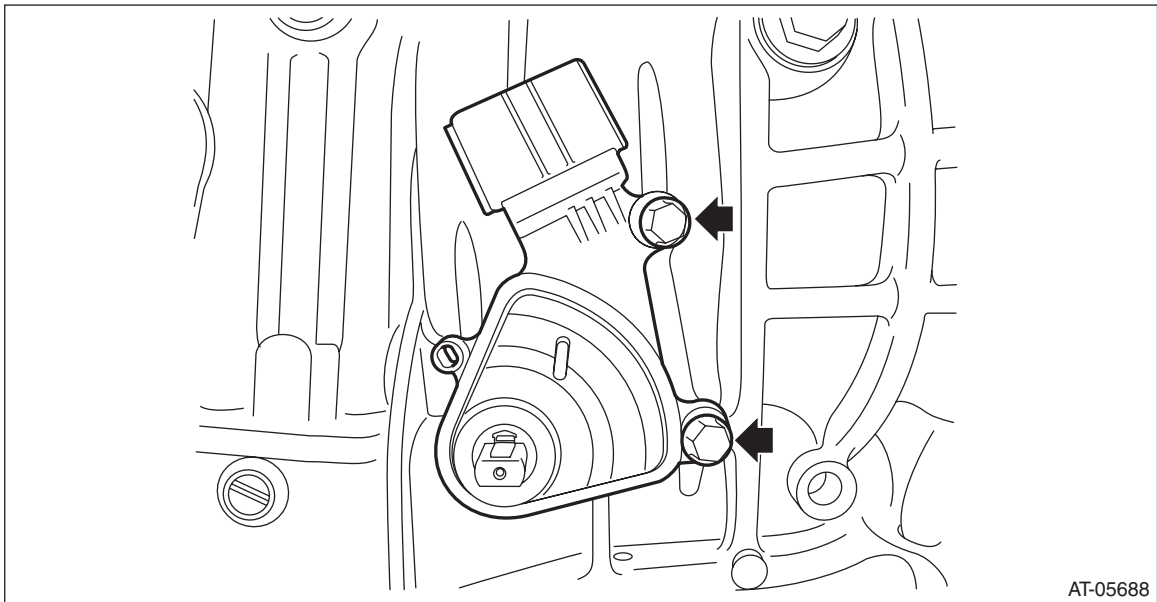
### CONTINUOUSLY VARIABLE TRANSMISSION

- 5) Using the ST, remove the spring pin and shifter arm.  
ST 398791600 REMOVER



- (A) Spring pin  
(B) Shifter arm

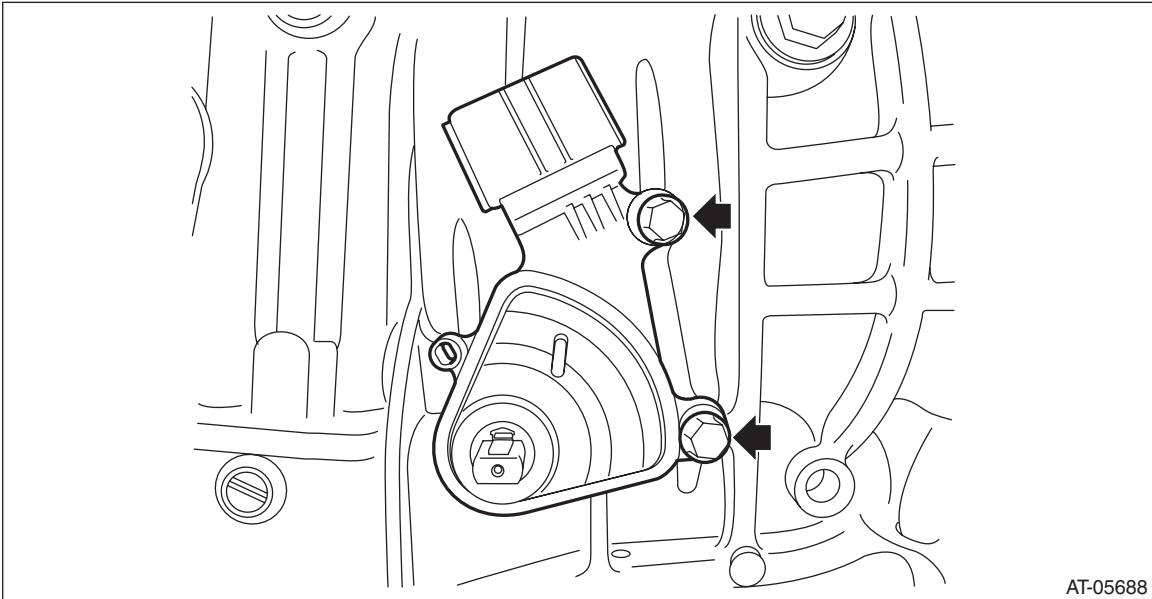
- 6) Remove the inhibitor harness connector from inhibitor switch.  
7) Remove the two inhibitor switch securing bolts.



- 8) Remove the inhibitor switch.

## D: INSTALLATION

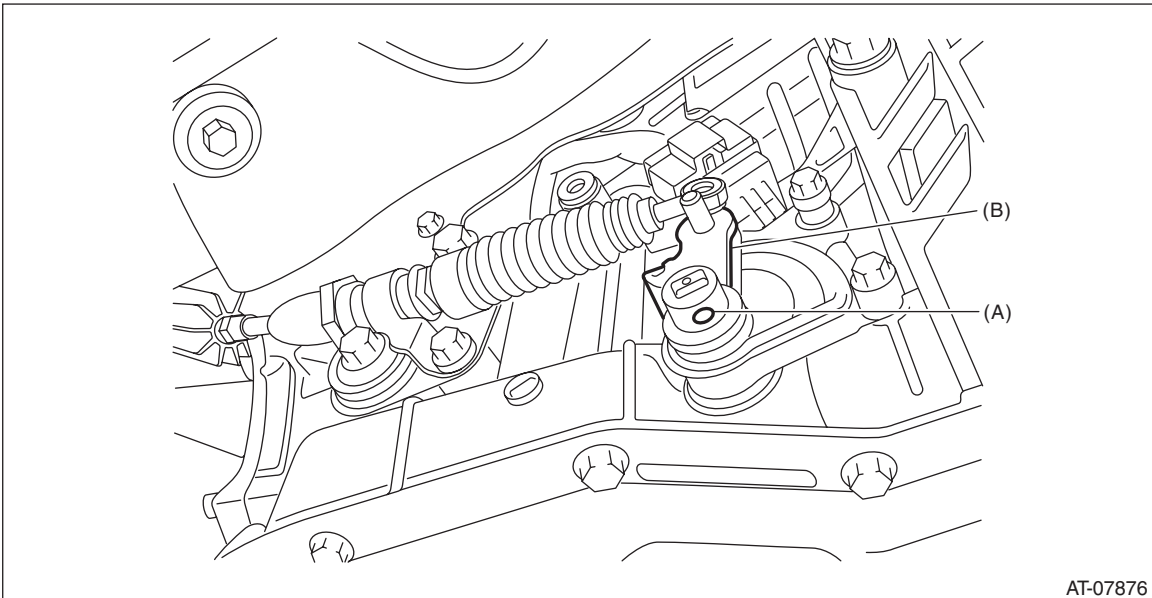
- 1) Temporarily install the inhibitor switch.



- 2) Connect the inhibitor harness connector to the inhibitor switch.
- 3) Install the shifter arm and fix with the spring pin.

### NOTE:

Use new spring pin.

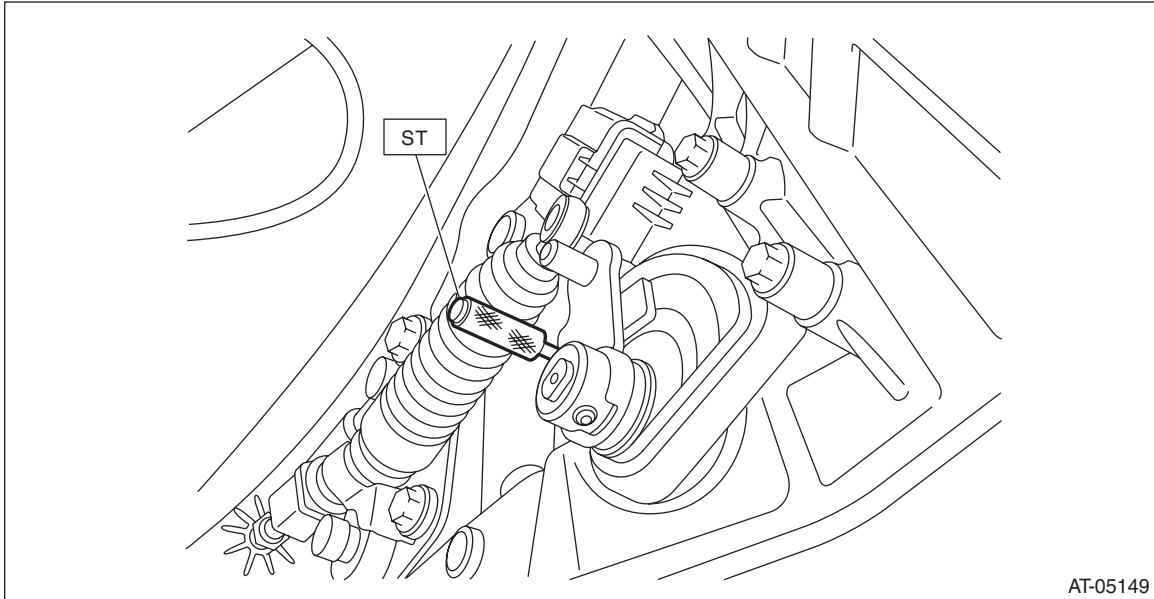


- (A) Spring pin
- (B) Shifter arm

## Inhibitor Switch

### CONTINUOUSLY VARIABLE TRANSMISSION

- 4) Shift the shifter arm to "N" range.
  - 5) Install the ST vertically in the cutout of shifter arm and the hole of switch body.
- ST 499267300 STOPPER PIN

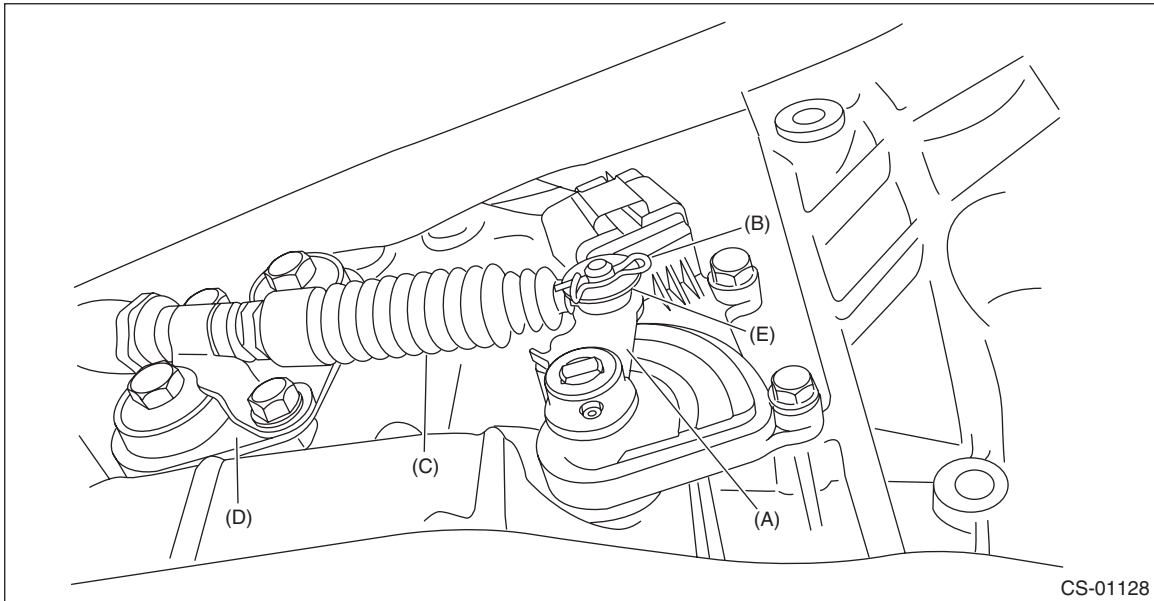


- 6) Tighten the two bolts holding the inhibitor switch.

#### **Tightening torque:**

**5 N·m (0.5 kgf-m, 3.7 ft-lb)**

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



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

- 9) Lower the vehicle.
- 10) Connect the ground terminal to battery sensor. <Ref. to NT-5, BATTERY, NOTE, Note.>
- 11) Check the inhibitor switch. <Ref. to CVT(TR690)-92, INSPECTION, Inhibitor Switch.>