

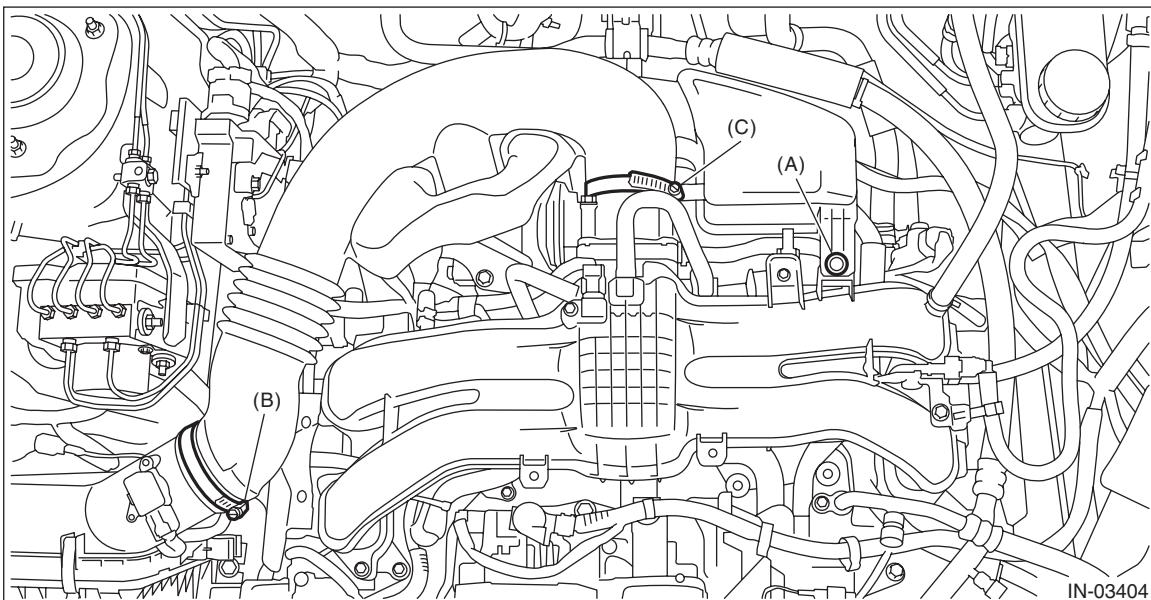
## 9. MT Gear Select Cable

### A: REMOVAL

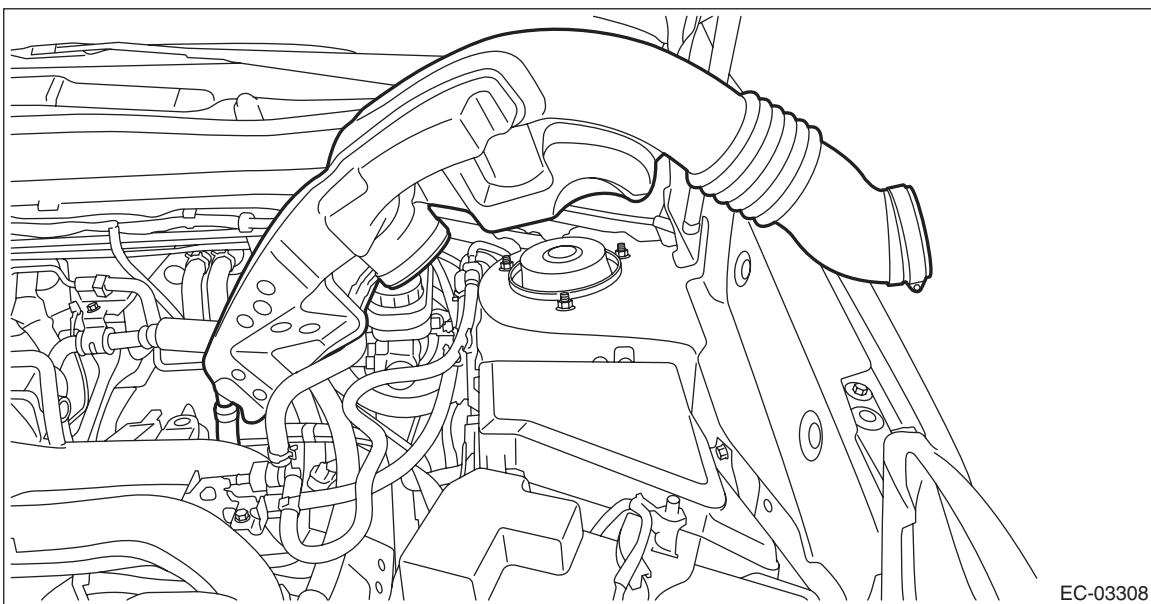
**CAUTION:**

Always use new MT gear select cable if the cable is removed from selector lever COMPL of transmission side.

- 1) Disconnect the ground cable from battery.
- 2) Remove the clip (A) from the air intake boot.
- 3) Loosen the clamp (B) connecting the air intake boot and air cleaner case (rear).
- 4) Loosen the clamp (C) which connects the air intake boot and throttle body.



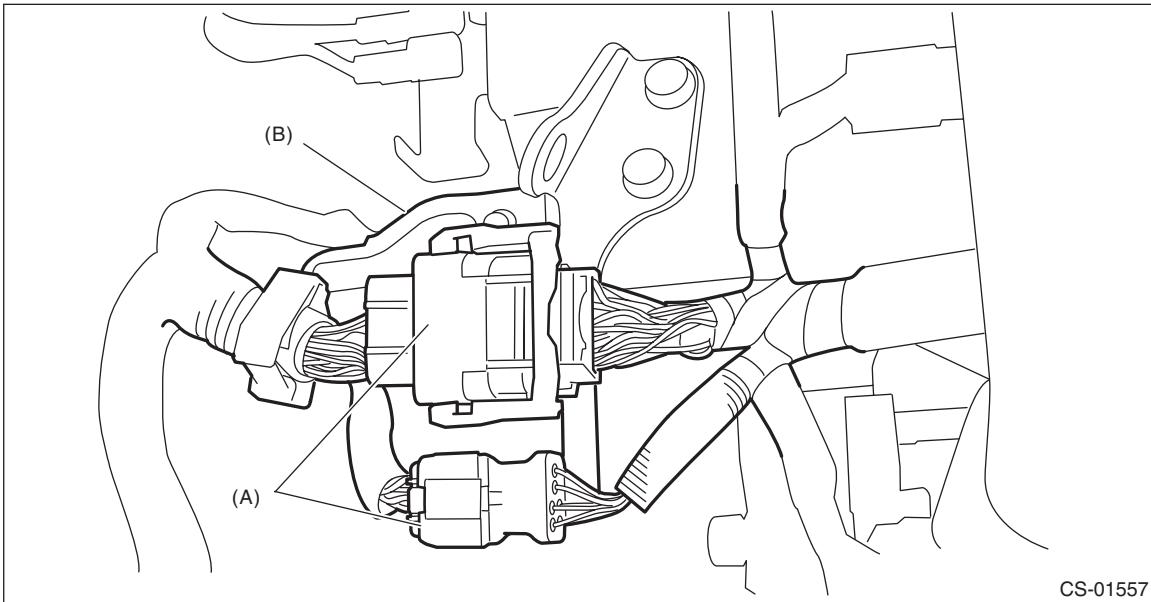
- 5) Remove the air intake boot from the throttle body, and move it to the left side wheel apron.



## MT Gear Select Cable

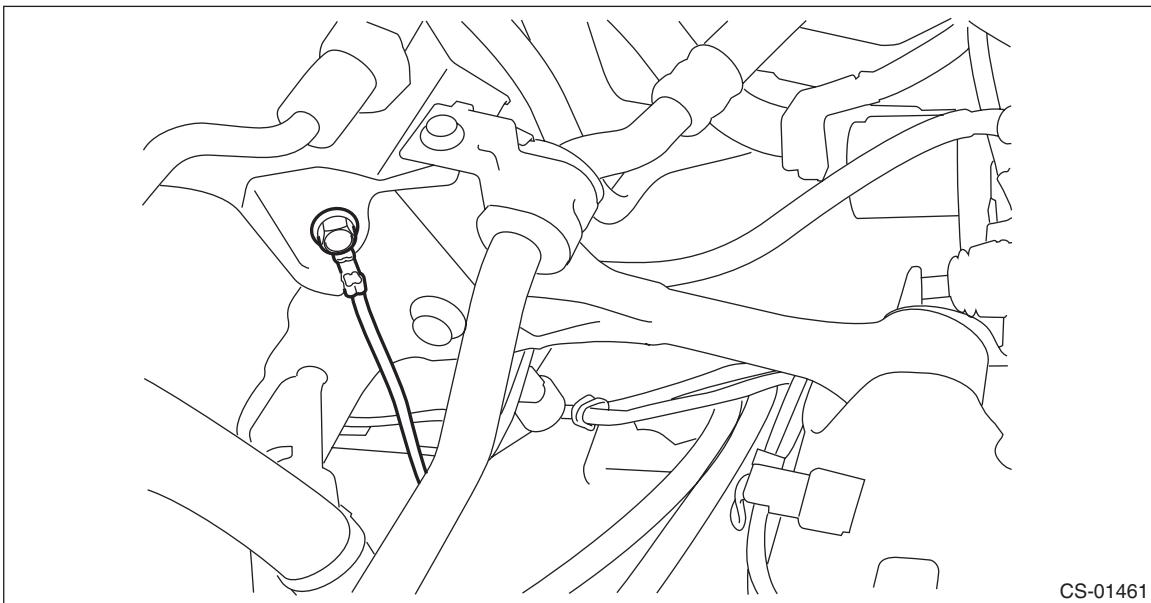
### CONTROL SYSTEMS

6) Disconnect the engine harness connectors, then remove the harness bracket.

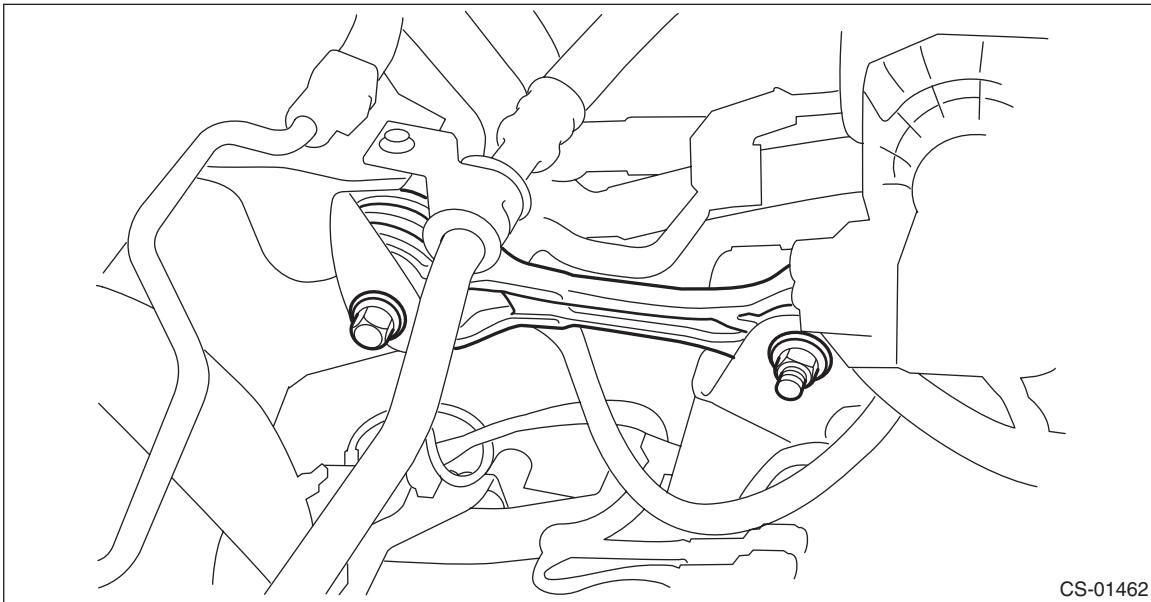


(A) Engine harness connectors      (B) Harness bracket

7) Disconnect the transmission radio ground cord terminal.

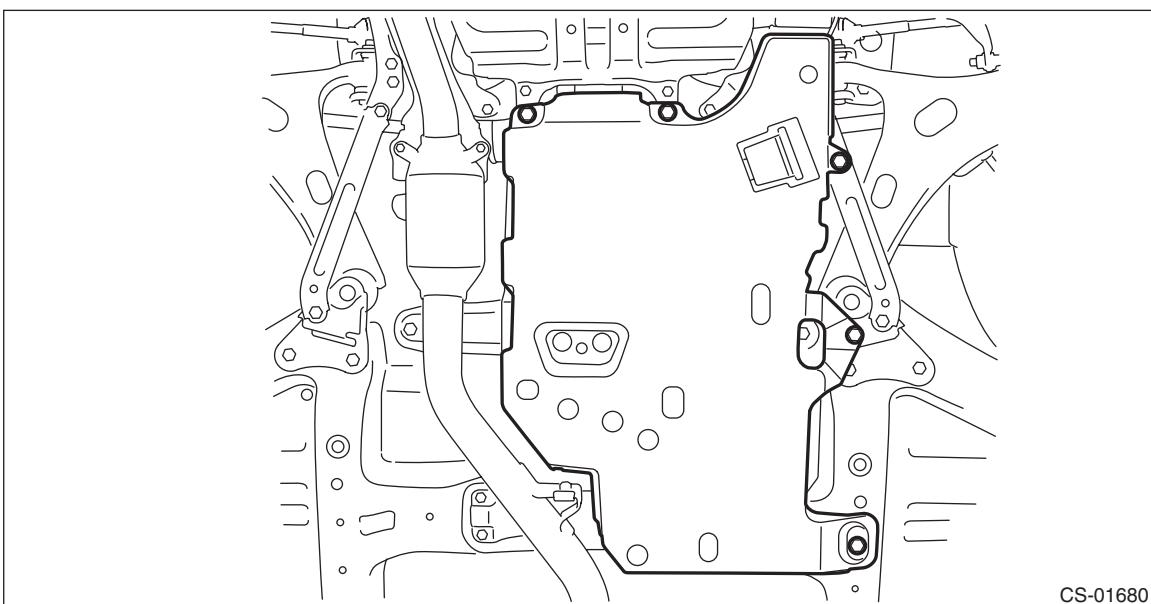


8) Remove the pitching stopper.



9) Lift up the vehicle.

10) Remove the transmission under cover.

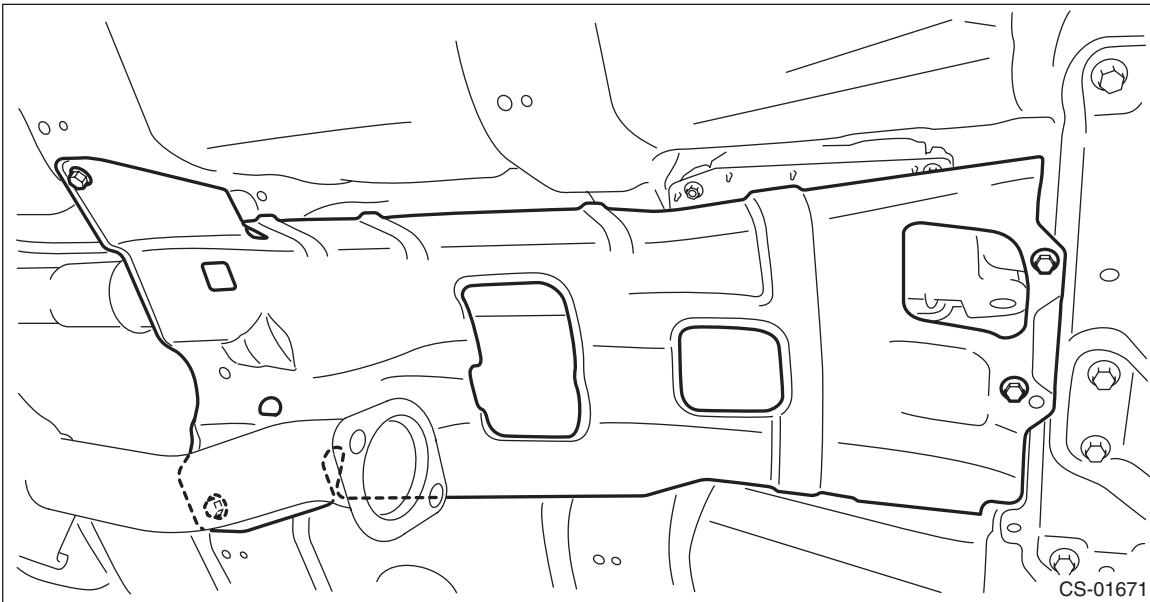


11) Remove the center exhaust pipe. <Ref. to EX(H4DO)-14, REMOVAL, Center Exhaust Pipe.>

## MT Gear Select Cable

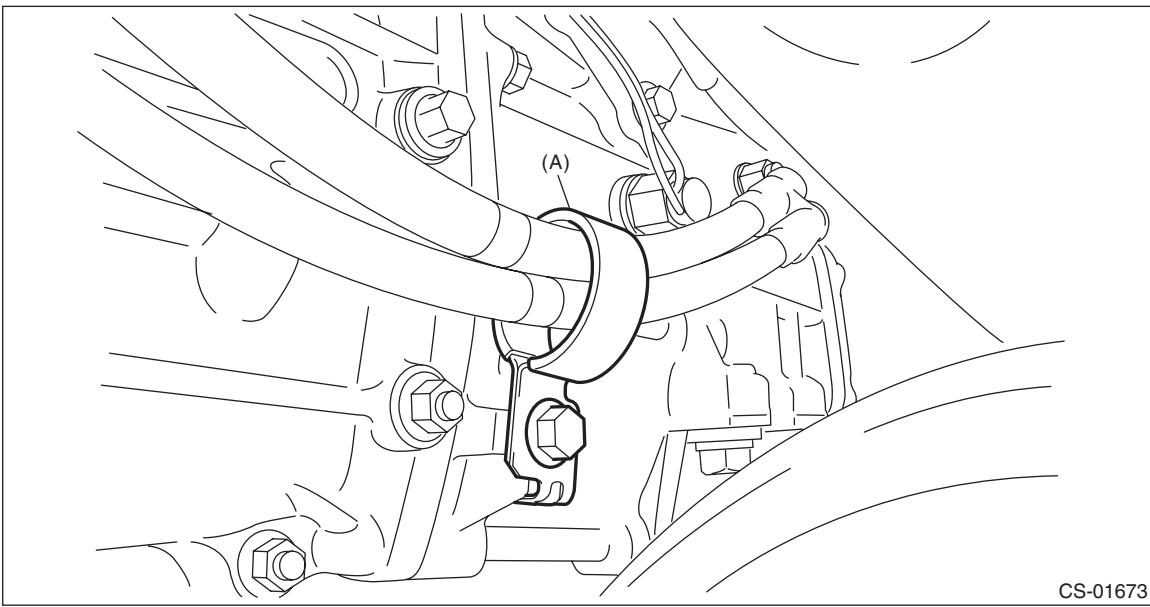
### CONTROL SYSTEMS

12) Remove the center exhaust cover.



13) Remove the propeller shaft. <Ref. to DS-11, REMOVAL, Propeller Shaft.>

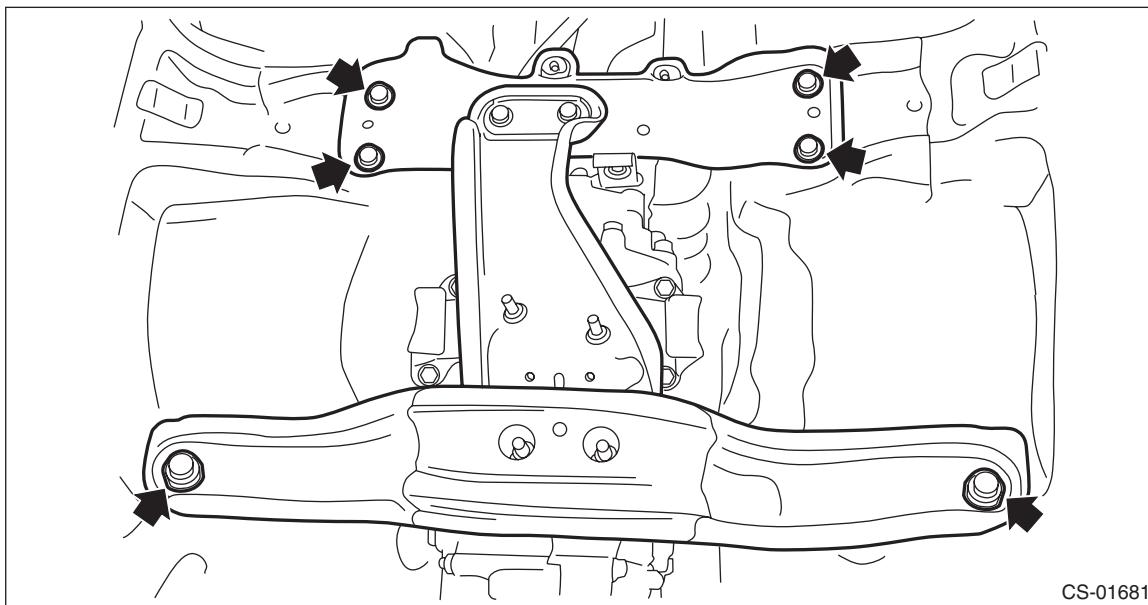
14) Remove the cable clamp and take out the MT gear select cable from the clamp.



(A) Cable clamp

15) Place the transmission jack under the transmission.

16) Remove the mounting bolt of front crossmember and rear crossmember, and lower the transmission approx. 100 mm (4 in).

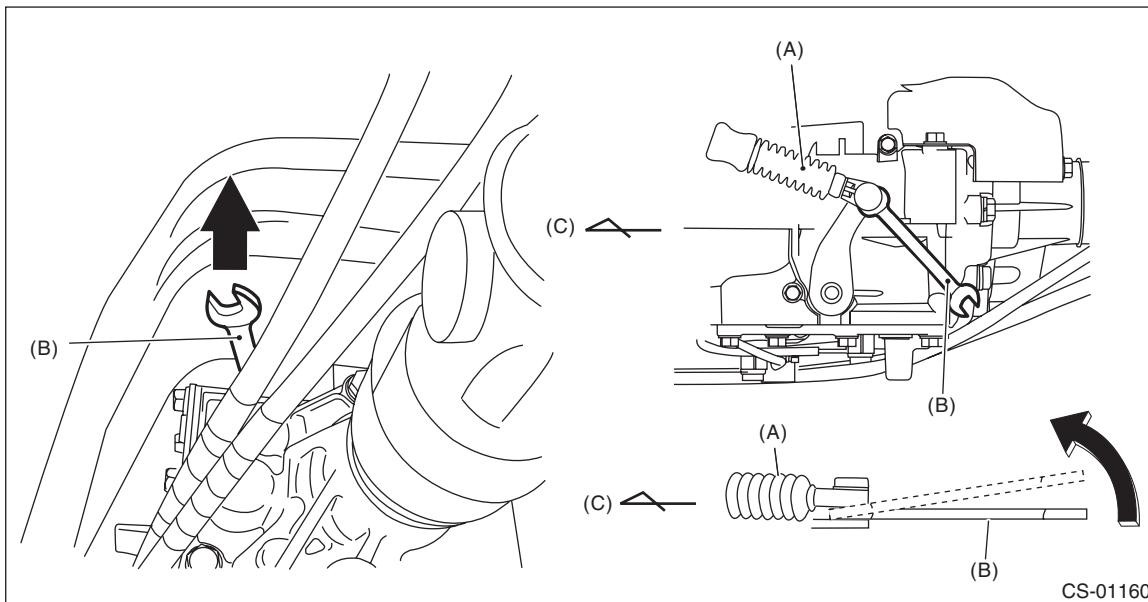


CS-01681

17) Insert a spanner between the selector lever COMPL and the MT gear select cable, and remove the MT gear select cable by raising the handle.

NOTE:

- Use a spanner with 11 to 13 in size.
- The thickness of the spanner must not exceed 6 mm (0.2 in).



(A) MT gear select cable

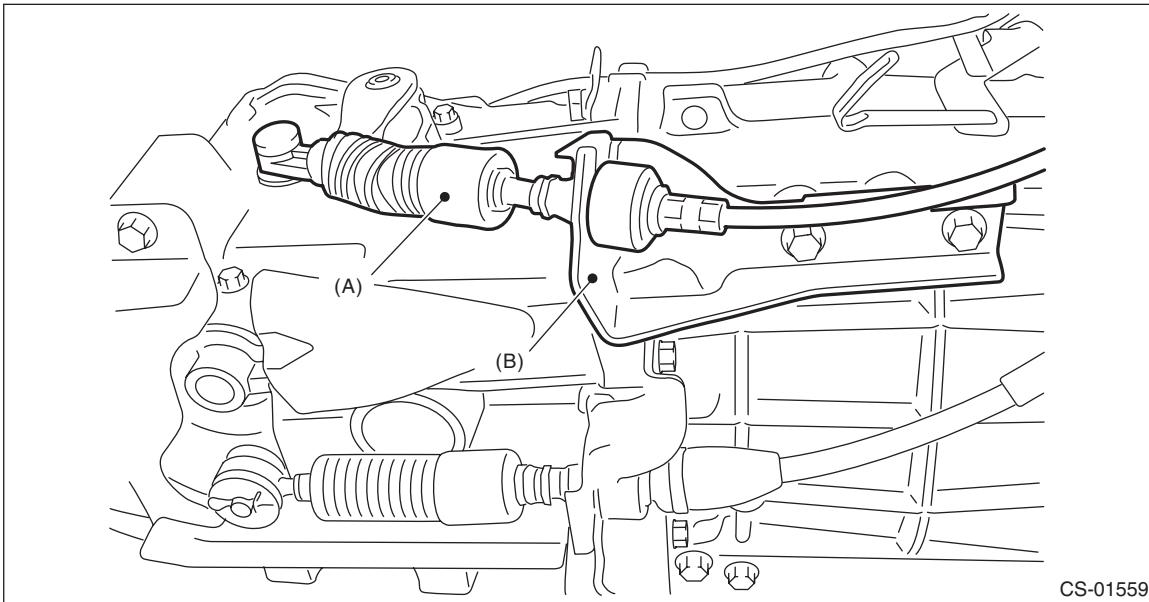
(B) Spanner

(C) Forward

## MT Gear Select Cable

### CONTROL SYSTEMS

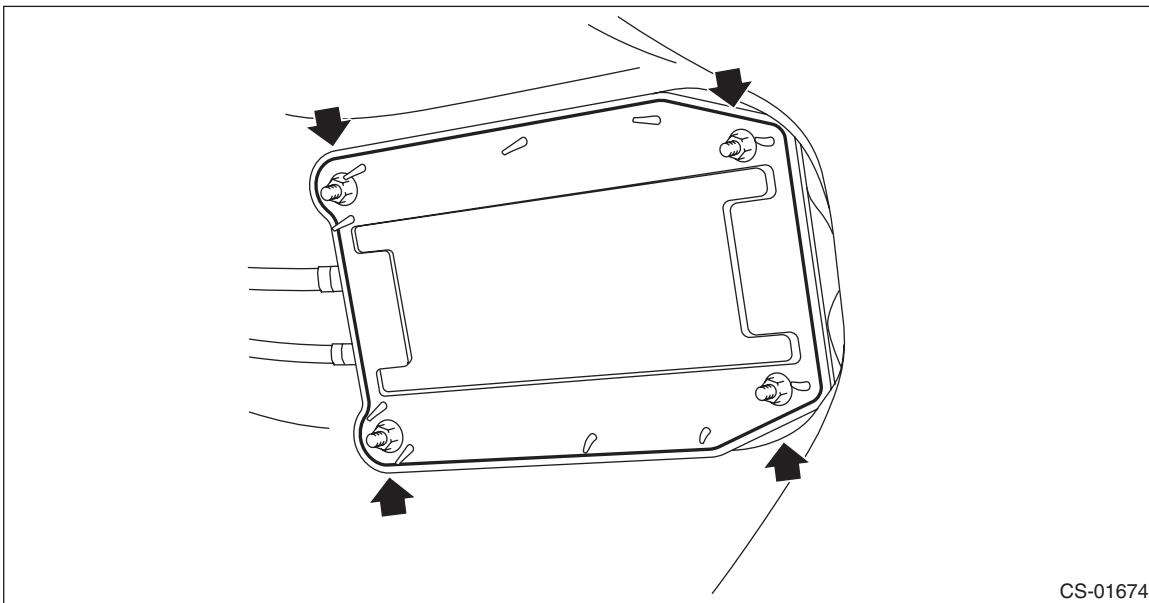
18) Remove the MT gear select cable and select bracket as a single unit from the transmission body.



(A) MT gear select cable

(B) Select bracket

19) Remove the cable cover plate.



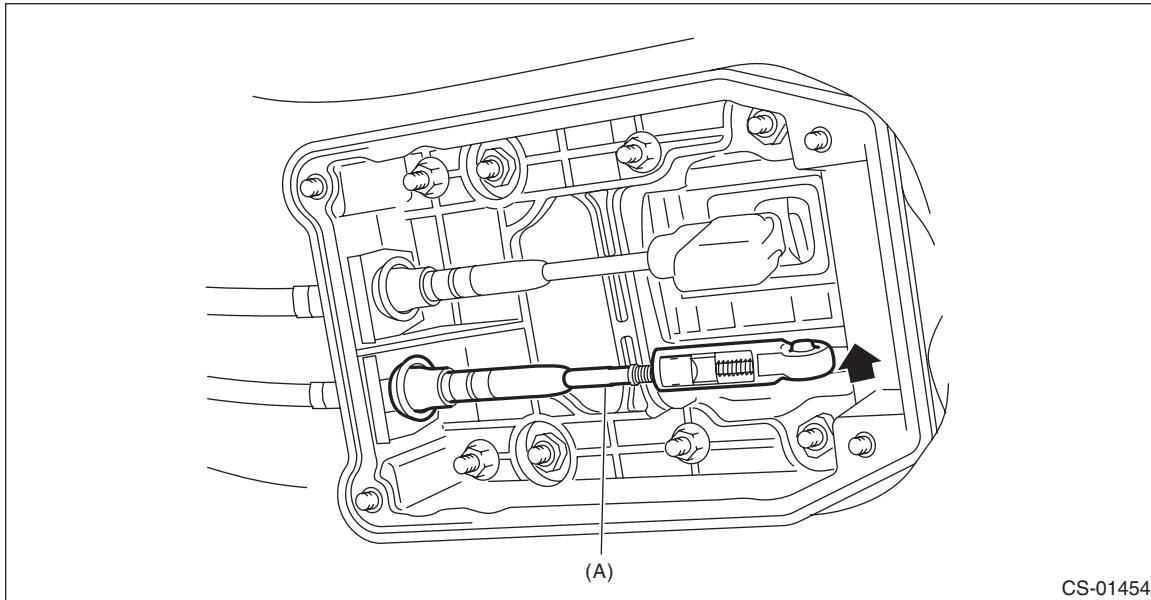
20) Disconnect the MT gear select cable.

**CAUTION:**

**Be careful not to deform the cable inner.**

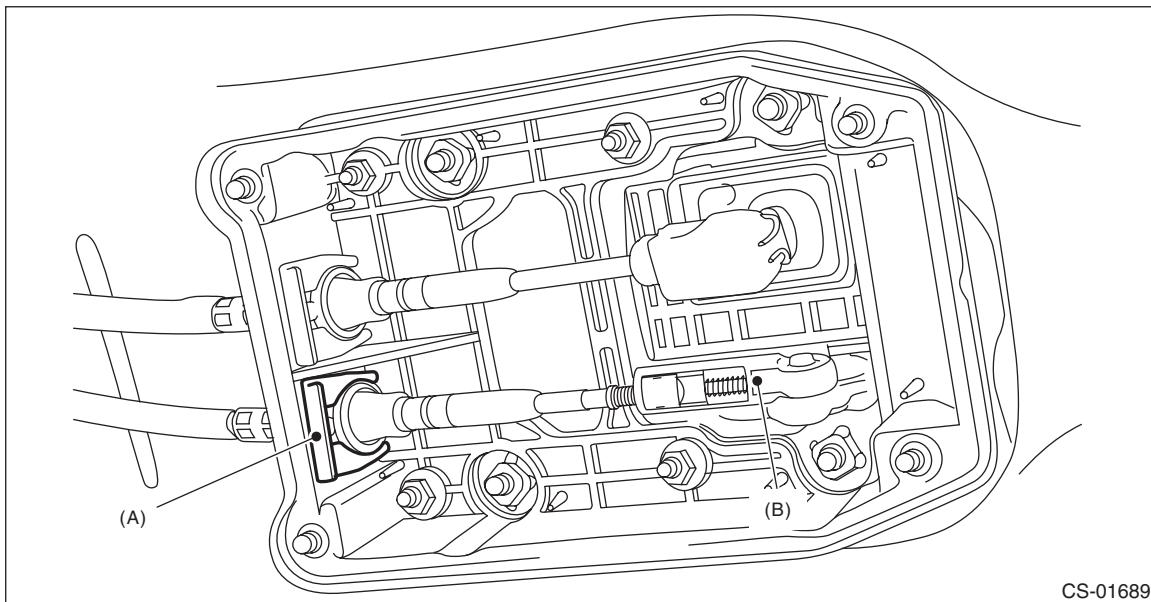
**NOTE:**

Push the MT gear select cable in the direction of arrow, and remove it.



(A) MT gear select cable

21) Remove the clamp which holds the MT gear select cable.



(A) Clamp

(B) MT gear select cable

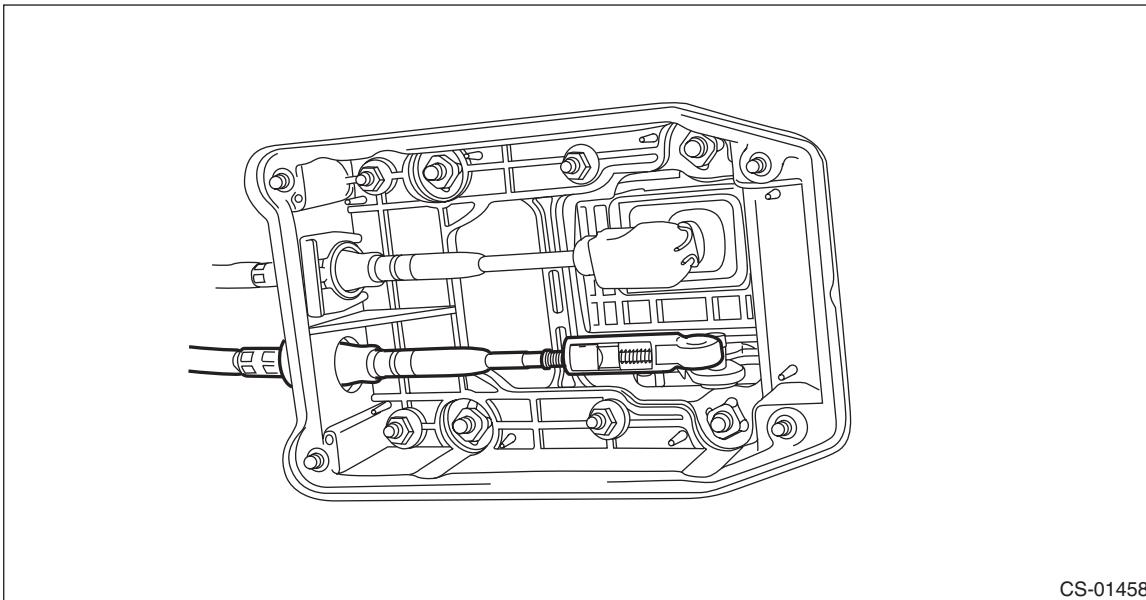
# MT Gear Select Cable

## CONTROL SYSTEMS

22) Pull out the MT gear select cable from cable cover assembly.

### CAUTION:

**Do not bend the MT gear select cable sharply.**



## B: INSTALLATION

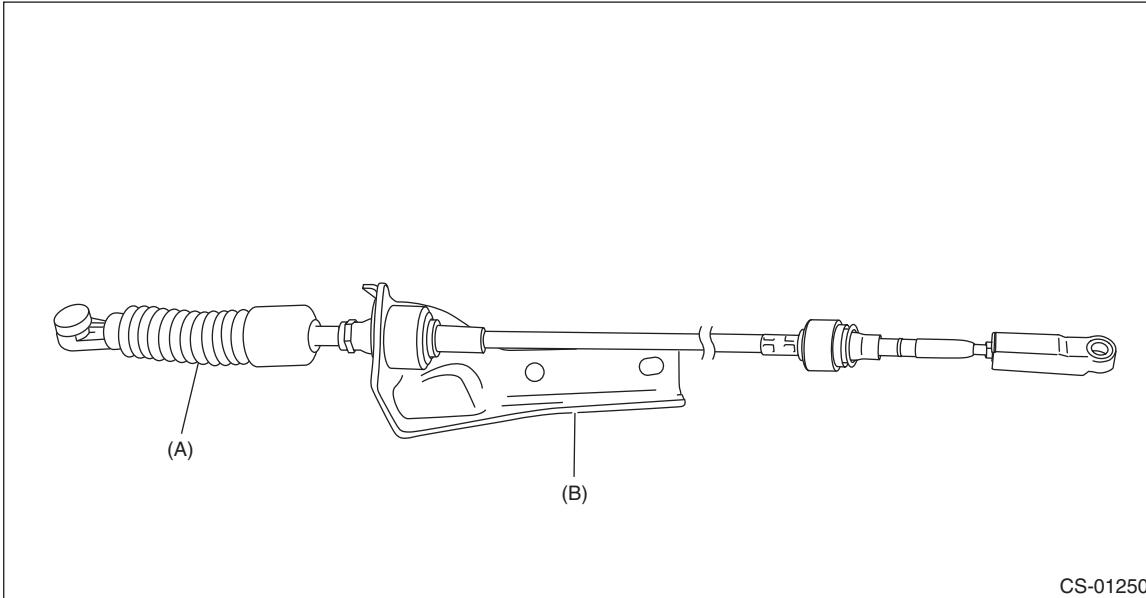
### CAUTION:

- Always use new MT gear select cable if the cable is removed from selector lever COMPL of transmission side.
- Do not bend the MT gear select cable sharply.
- Do not twist the inner cable excessively.

1) Remove the MT gear select cable from the select bracket.

### CAUTION:

**Check for assembling position before removing the MT gear select cable from the select bracket.**



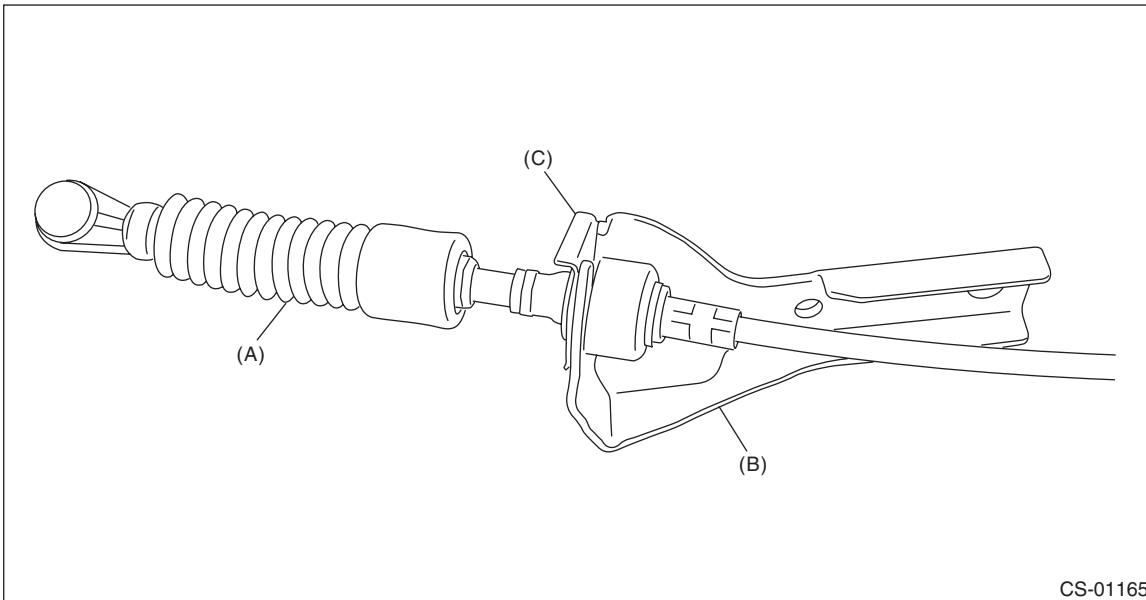
(A) MT gear select cable

(B) Select bracket

2) Set to the new MT gear select cable to the select bracket and secure it with the clamp.

**CAUTION:**

Be careful not to mistake the MT gear select cable installing direction.



CS-01165

(A) MT gear select cable

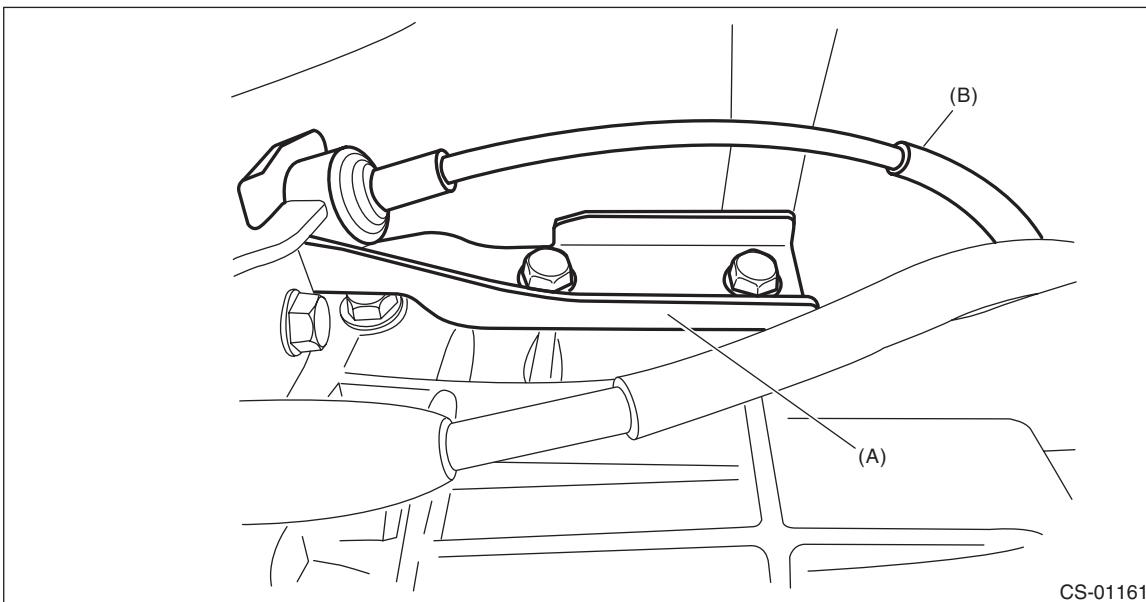
(B) Select bracket

(C) Clamp

3) Install the MT gear select cable and select bracket as a single unit to the transmission body.

**Tightening torque:**

18 N·m (1.8 kgf·m, 13.3 ft-lb)



CS-01161

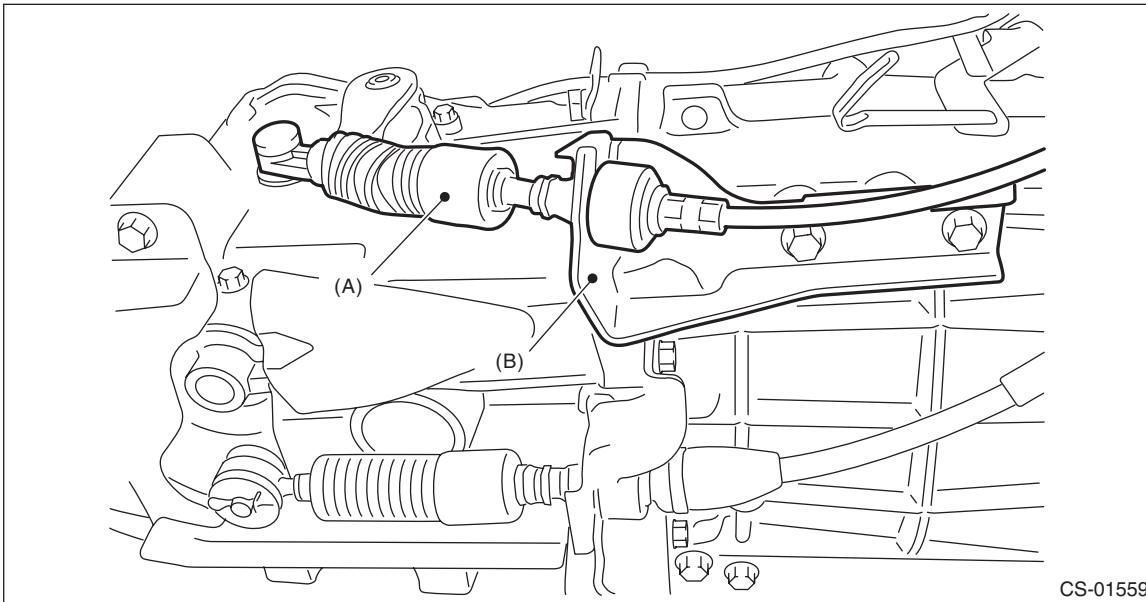
(A) Select bracket

(B) MT gear select cable

# MT Gear Select Cable

## CONTROL SYSTEMS

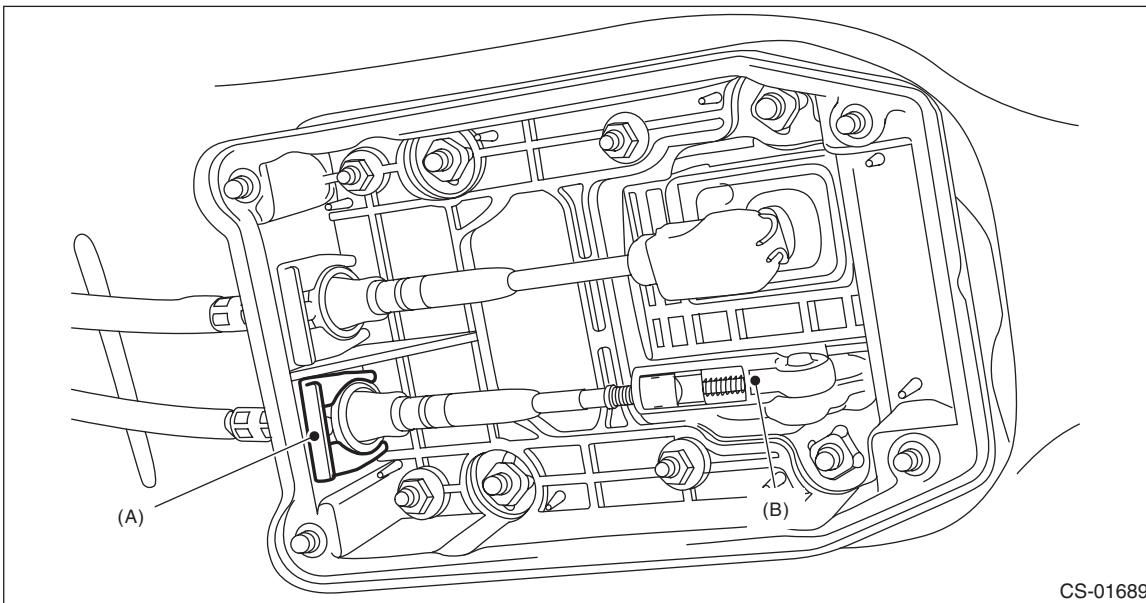
4) Install the MT gear select cable to the select lever COMPL.



(A) MT gear select cable

(B) Select bracket

5) Insert the MT gear select cable into cable cover assembly, and secure it with the clamp.



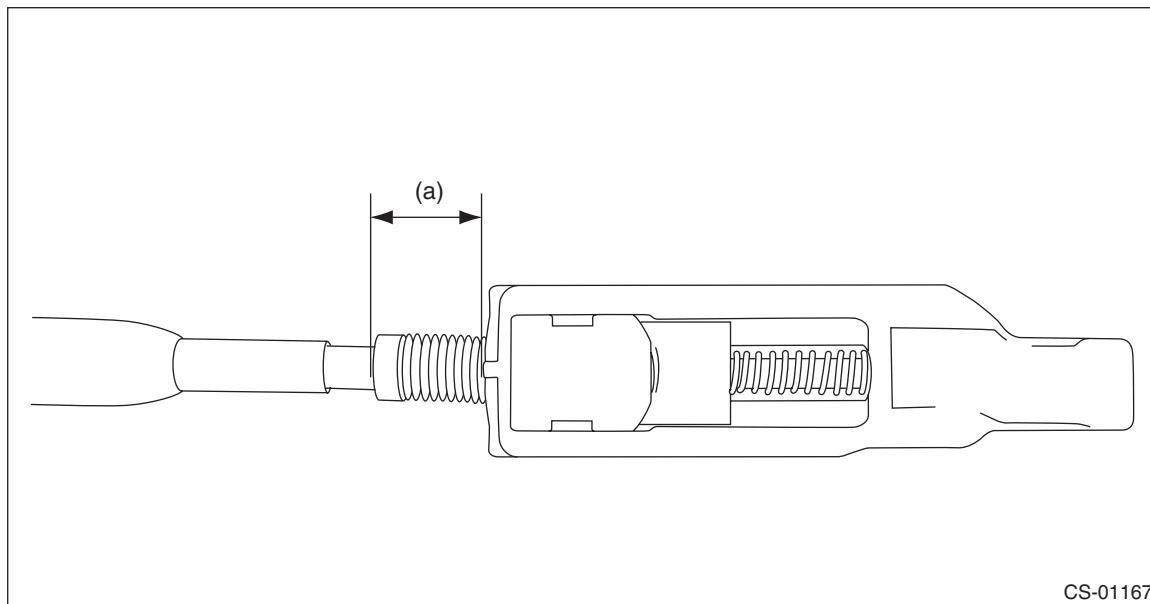
(A) Clamp

(B) MT gear select cable

6) Measure the exposed length (a) of MT gear select cable. If out of specification, adjust the MT gear select cable. <Ref. to CS-93, ADJUSTMENT, MT Gear Select Cable.>

**Exposed length (a) of MT gear select cable:**

**Specification: 11 mm (0.4 in)**

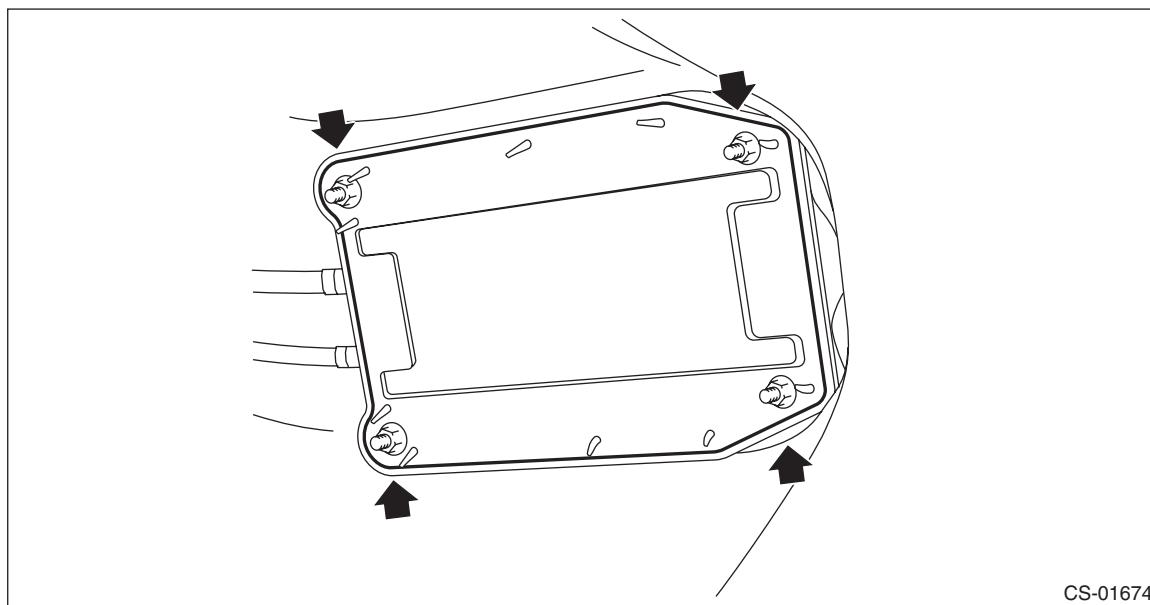


7) Connect the MT gear select cable.

8) Attach the cable cover plate.

**Tightening torque:**

**7.5 N·m (0.8 kgf-m, 5.5 ft-lb)**



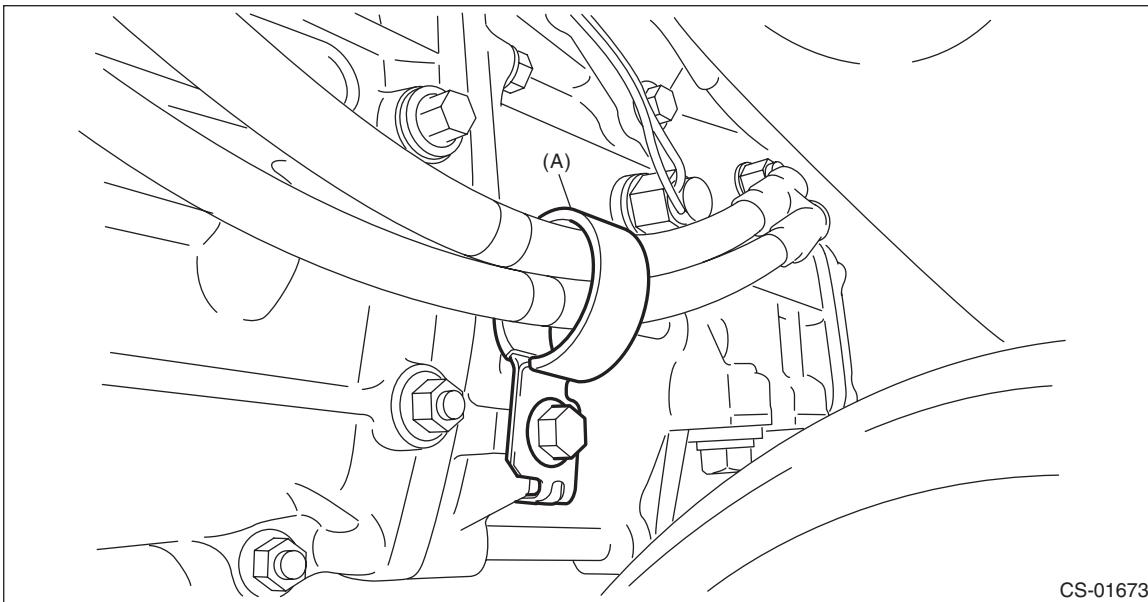
# MT Gear Select Cable

## CONTROL SYSTEMS

9) Insert the MT gear select cable into cable clamp, and install to the transmission.

**Tightening torque:**

**18 N·m (1.8 kgf-m, 13.3 ft-lb)**



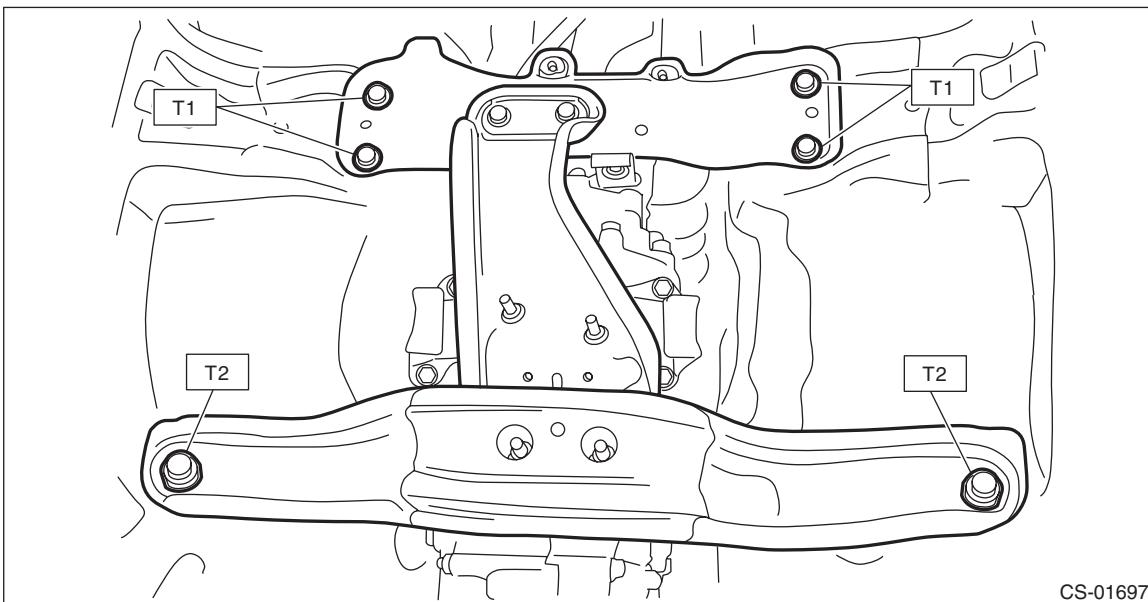
(A) Cable clamp

10) Raise the transmission jack, install the front crossmember and rear crossmember.

**Tightening torque:**

**T1: 70 N·m (7.1 kgf-m, 51.6 ft-lb)**

**T2: 140 N·m (14.3 kgf-m, 103.3 ft-lb)**



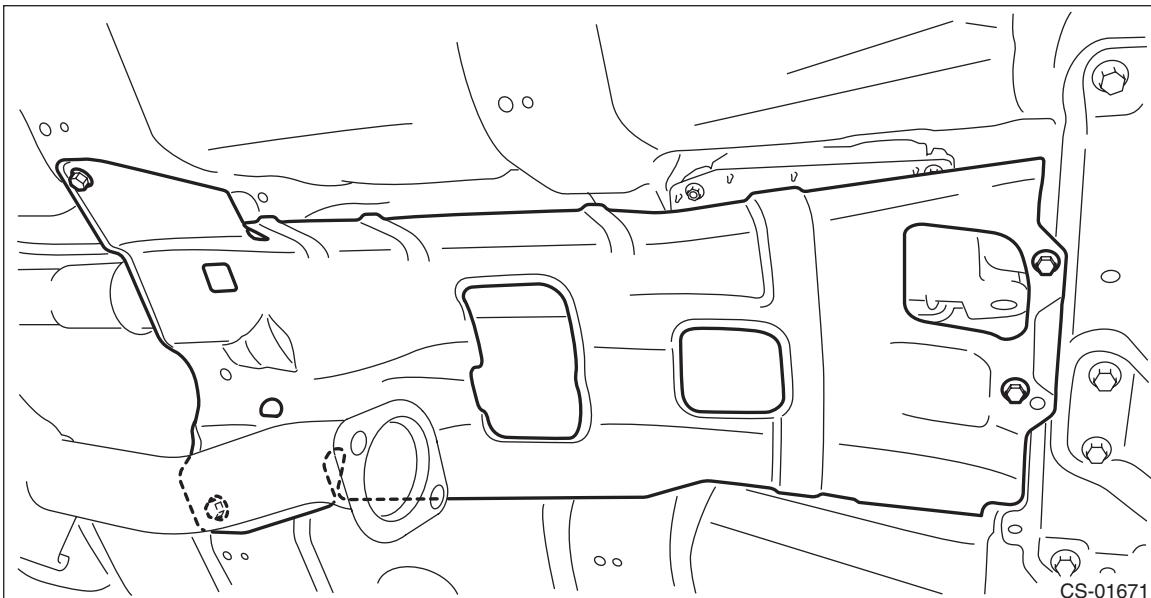
11) Take out the transmission jack.

12) Install the propeller shaft. <Ref. to DS-14, INSTALLATION, Propeller Shaft.>

13) Install the center exhaust cover.

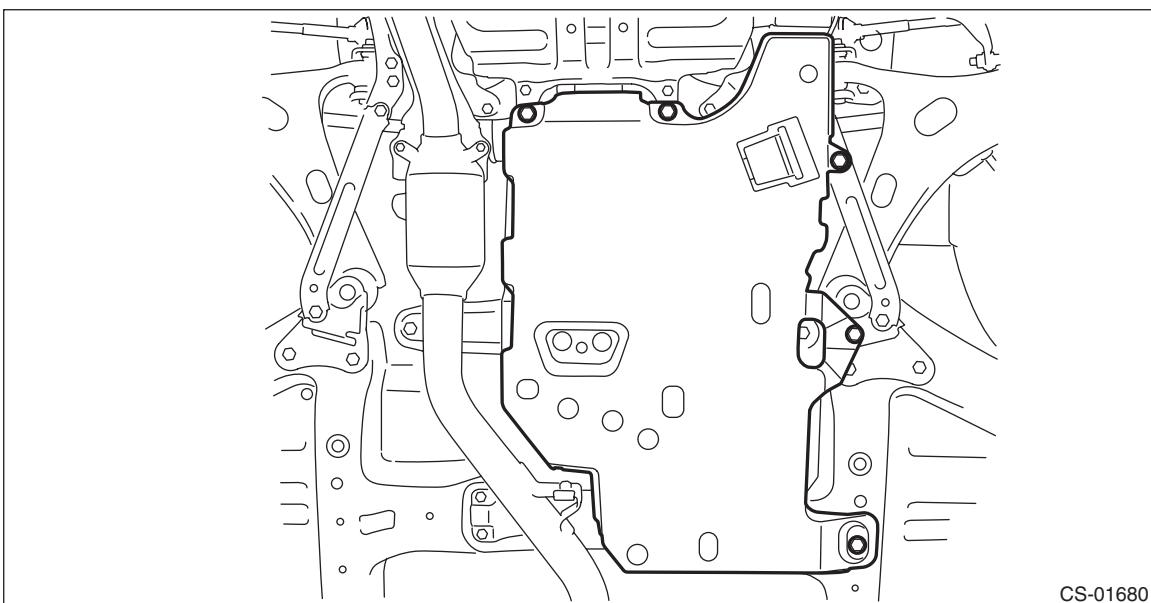
**Tightening torque:**

18 N·m (1.8 kgf·m, 13.3 ft-lb)



14) Install the center exhaust pipe. <Ref. to EX(H4DO)-15, INSTALLATION, Center Exhaust Pipe.>

15) Install the transmission under cover.



16) Lower the vehicle.

17) Install the pitching stopper. <Ref. to 6MT-34, PITCHING STOPPER, INSTALLATION, Transmission Mounting System.>

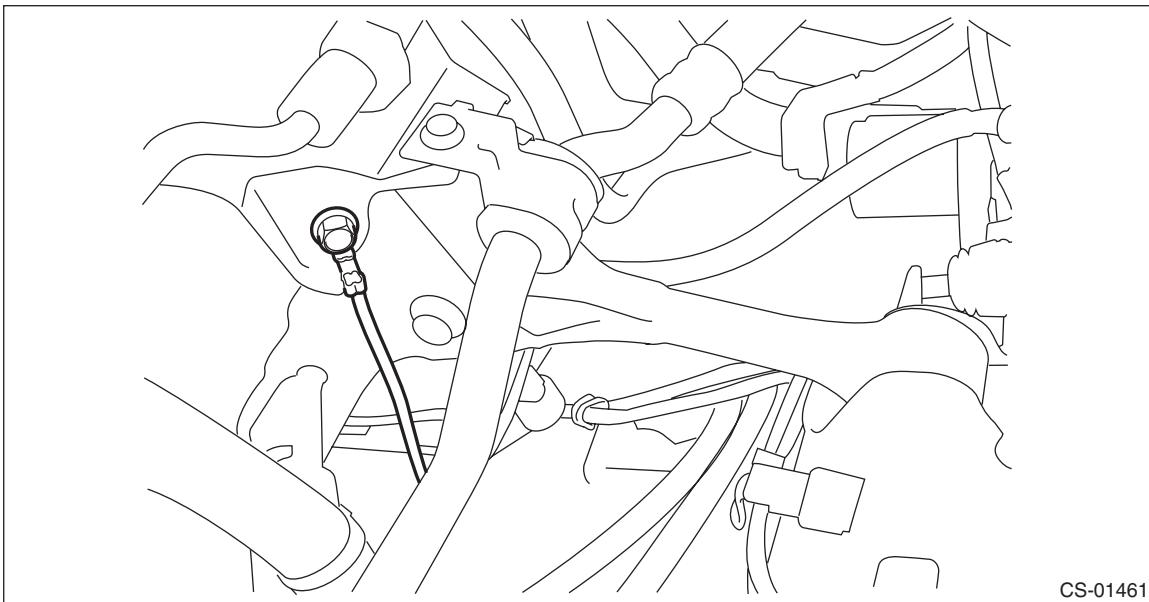
# MT Gear Select Cable

## CONTROL SYSTEMS

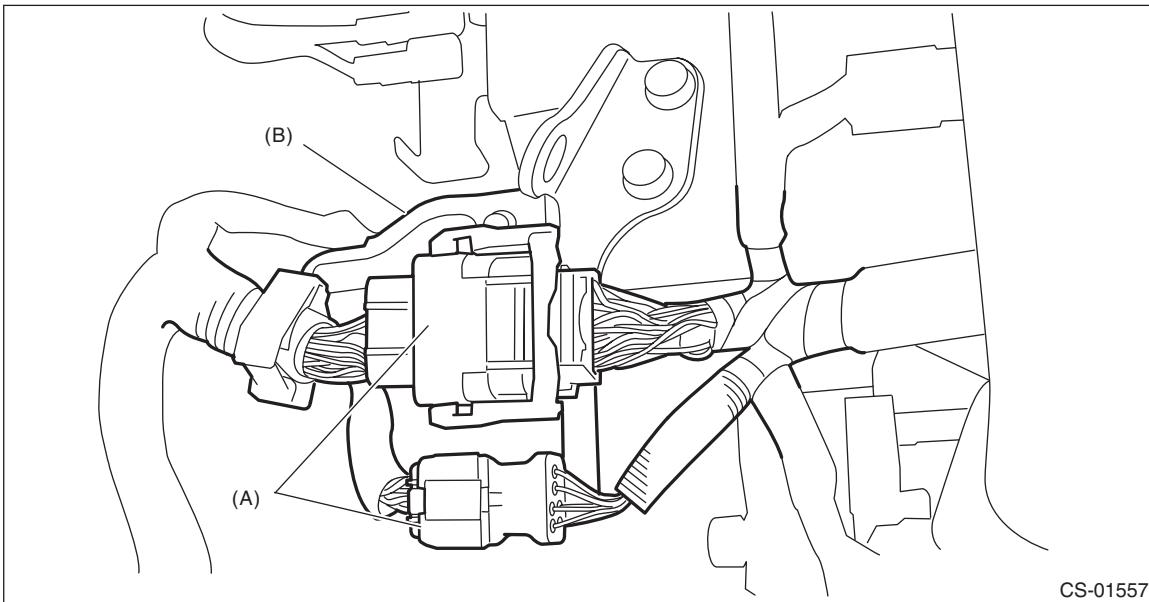
- 18) Install the transmission radio ground cord terminal.

**Tightening torque:**

13 N·m (1.3 kgf·m, 9.6 ft-lb)



- 19) Connect the engine harness connector, then attach the harness bracket.



(A) Engine harness connectors

(B) Harness bracket

- 20) Install the air intake boot. <Ref. to IN(H4DO)-11, INSTALLATION, Air Intake Boot.>

- 21) Connect the battery ground terminal.

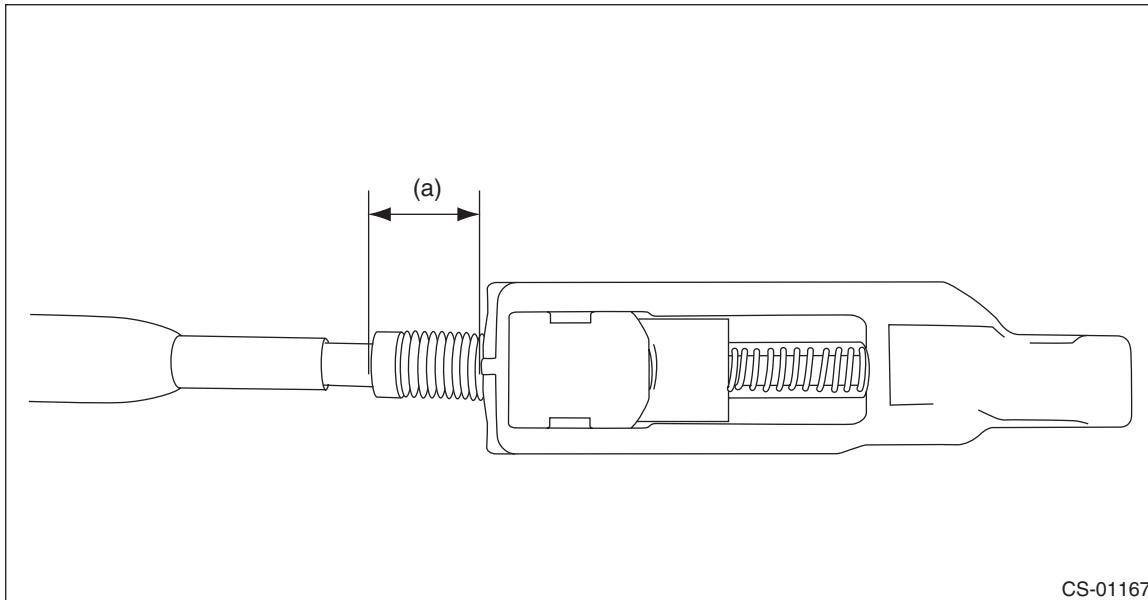
- 22) Make sure the gears can be shifted accurately into each gear.

## C: INSPECTION

1) Check that exposed length (a) of MT gear select cable is within specification.

**Exposed length (a) of MT gear select cable:**

**Specification: 11 mm (0.4 in)**



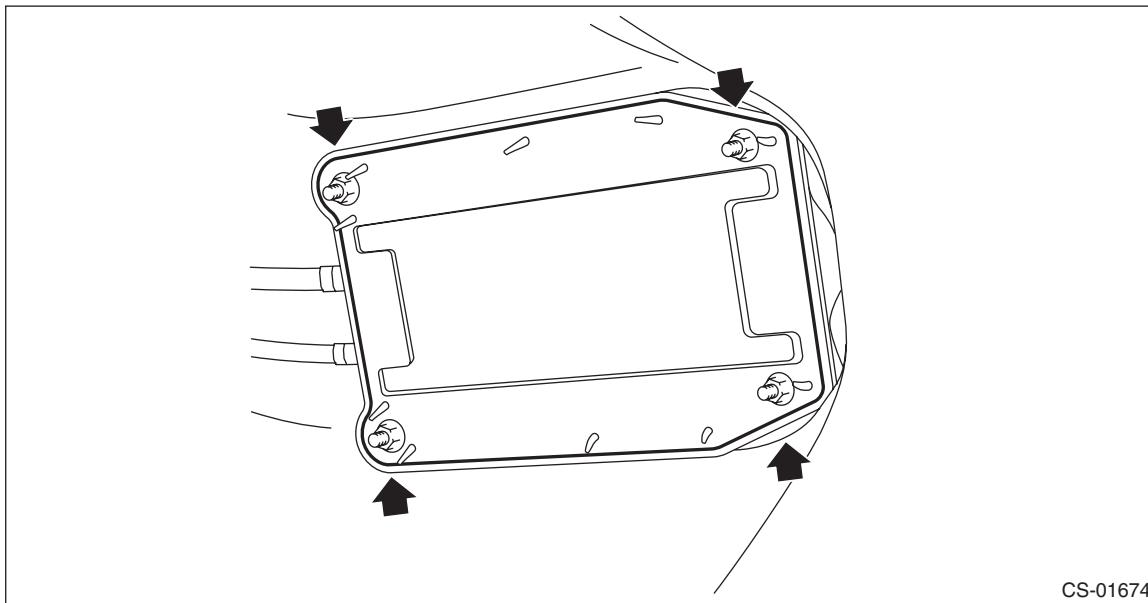
2) If it is not within the specification, perform the adjustment. <Ref. to CS-93, ADJUSTMENT, MT Gear Select Cable.>

## D: ADJUSTMENT

**NOTE:**

Two person are required to perform the MT gear select cable adjustment. (Only the step 7) requires two workers.)

- 1) Shift the select lever to the 6th.
- 2) Remove the cable cover plate.



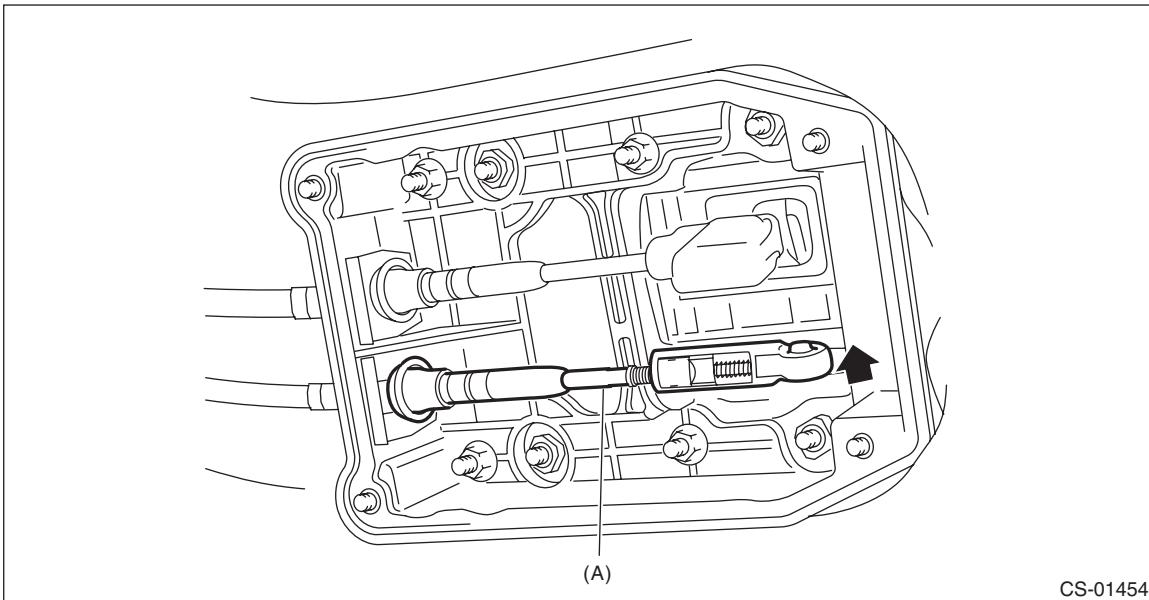
## MT Gear Select Cable

### CONTROL SYSTEMS

3) Disconnect the MT gear select cable.

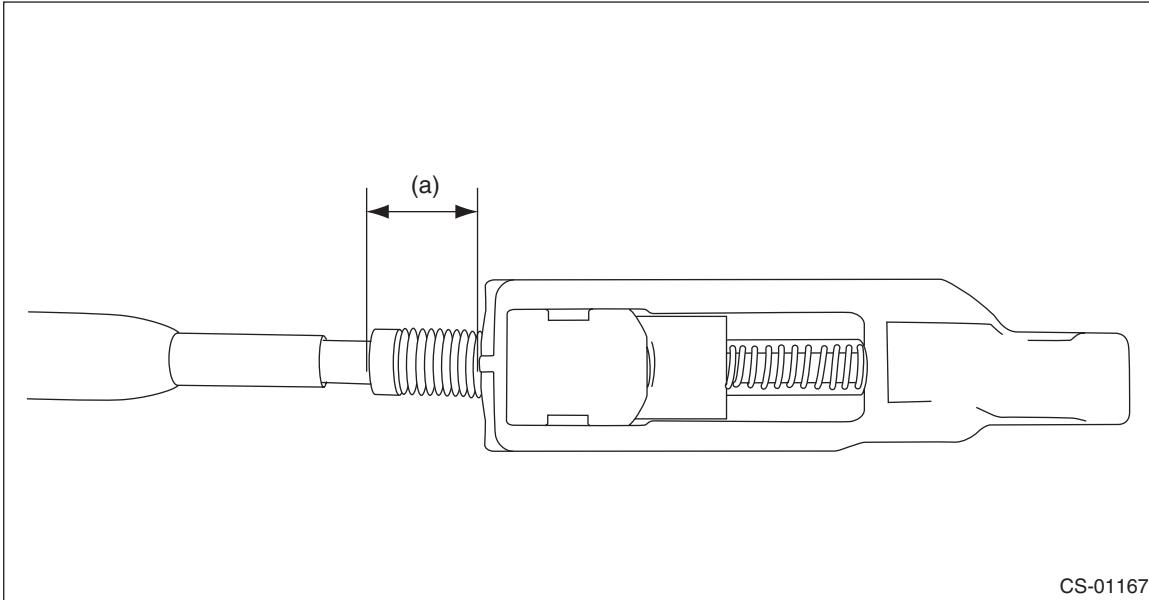
NOTE:

Push the MT gear select cable in the direction of arrow, and remove it.



(A) MT gear select cable

4) Measure the exposed length (a) of MT gear select cable.



(a) Measurement value

# MT Gear Select Cable

CONTROL SYSTEMS

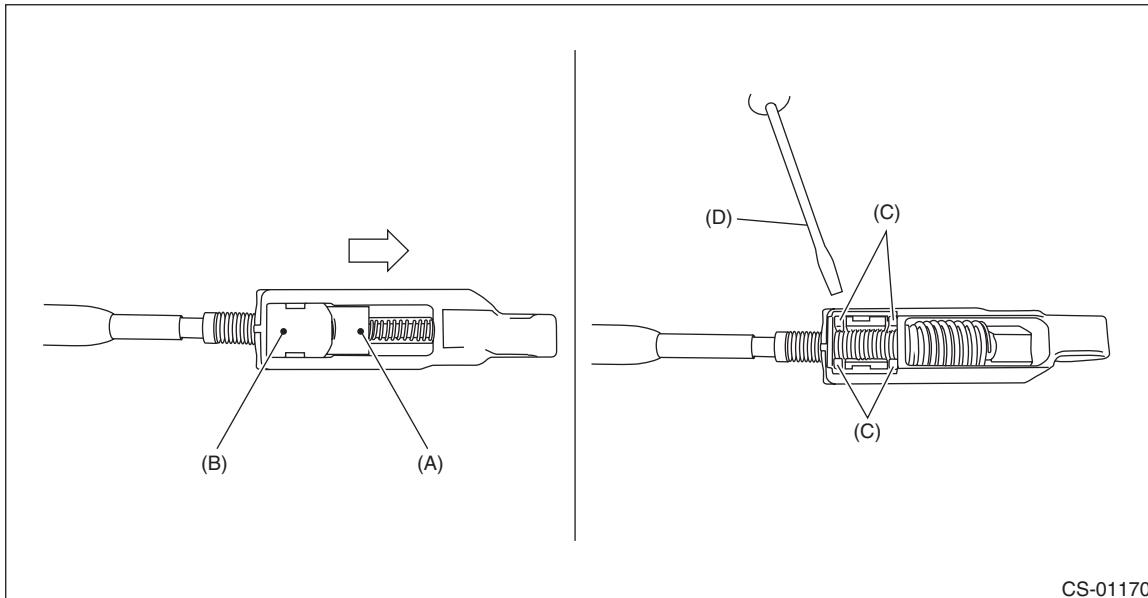
5) Slide the slider (green) in the direction of the arrow and release the lock piece (pink) by using flat tip screwdriver etc.

**CAUTION:**

**Lock piece is easily damaged for the resin. When the lock piece is broken, replace the new MT gear select cable.**

**NOTE:**

Rotate the MT gear select cable to 180 degrees, slide the slider in the direction of the arrow and push the claw of lock piece.



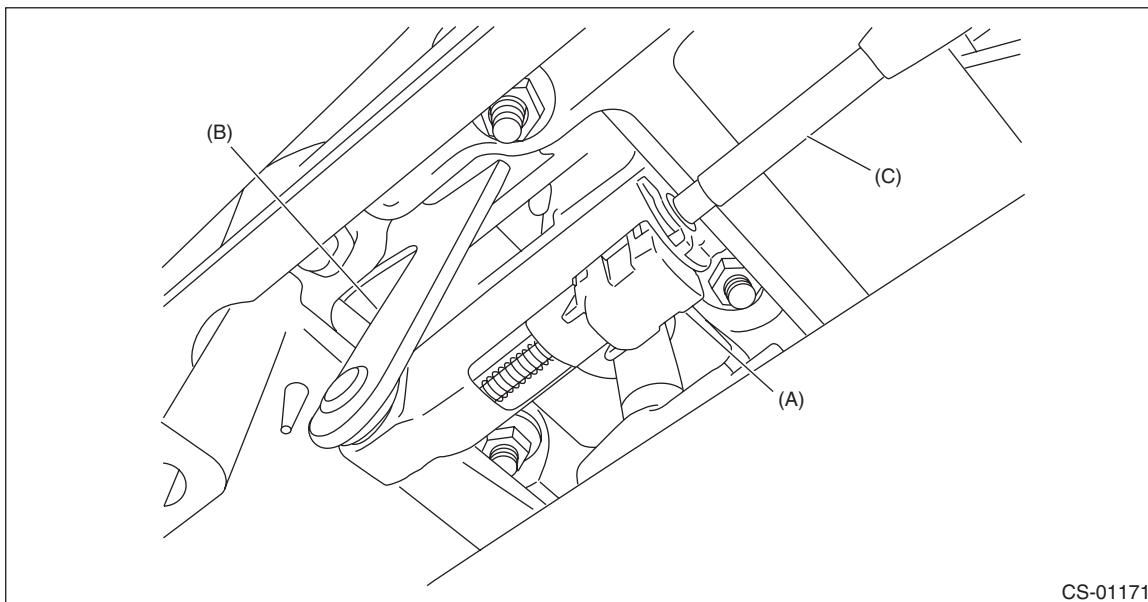
CS-01170

(A) Slider  
(B) Lock piece

(C) Claw

(D) Flat tip screwdriver

6) Connect the MT gear select cable to the select lever, with the lock piece released.



CS-01171

(A) Lock piece

(B) Select lever

(C) MT gear select cable

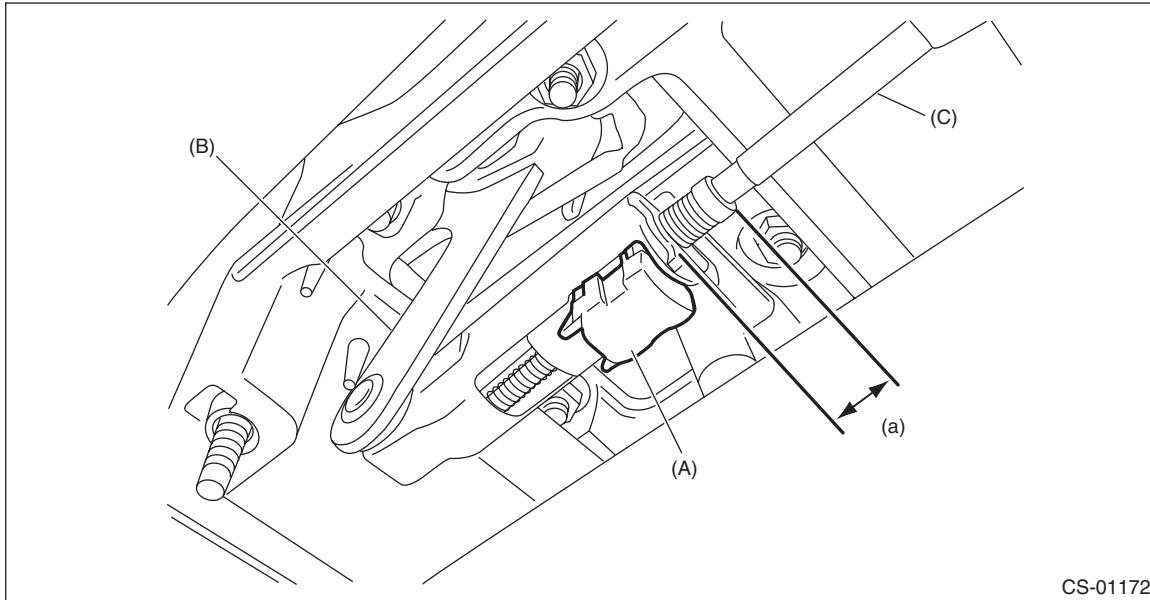
## MT Gear Select Cable

### CONTROL SYSTEMS

7) Move the select lever to the Rev side, keep the exposed length (a) of MT gear select cable to 11 mm (0.4 in), and push the lock piece.

NOTE:

Pull up the slider of the gear shift lever assembly, move to the Rev side.



(a) Exposed length 11 mm (0.4 in)

(A) Lock piece

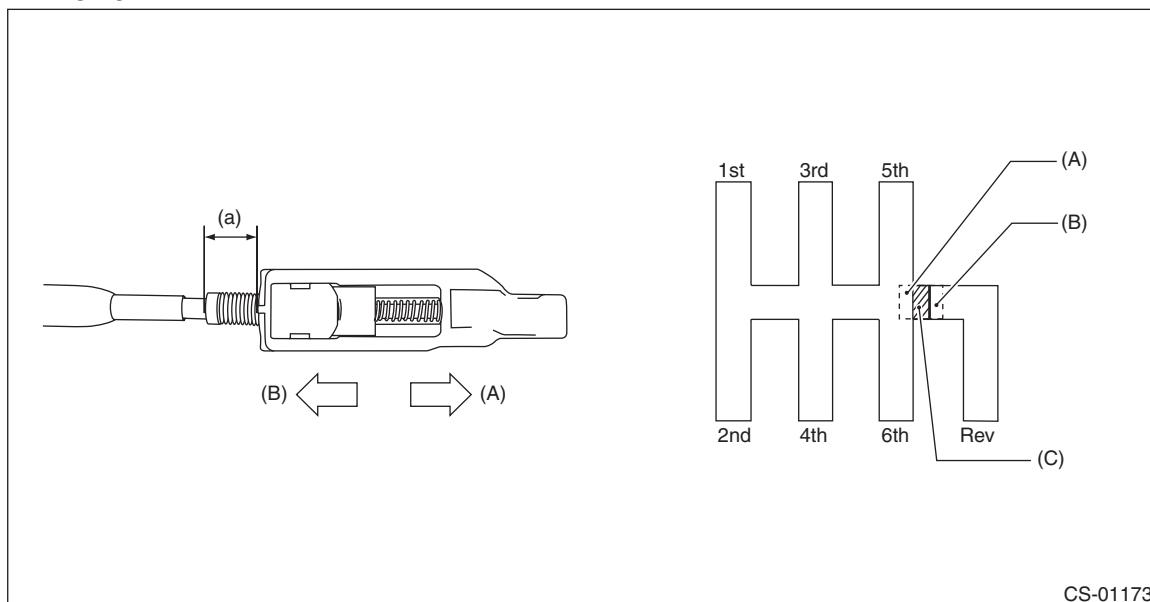
(B) Select lever

(C) MT gear select cable

8) Shift to 5th  $\longleftrightarrow$  6th and Rev, and check for stuck.

9) If no fault is found in the shift and select operation, restore the vehicle.

10) If the shifting operation is not smooth, readjust the exposed length (a) of MT gear select cable by referring to the following figure.



CS-01173

(a) Exposed length of MT gear select cable

(A) Extend direction of exposed length of MT gear select cable

(B) Shorten direction of exposed length of MT gear select cable

(C) Specification of exposed length (a)

- If the shift cannot be inserted to push the reverse lock bracket 5th and 6th.  
⇒ Extend the exposed length (a) of MT gear select cable.
- When operate the select lever to 4th → 5th, it cannot be operated at select lever crank line.  
⇒ Shorten the exposed length (a) of MT gear select cable.

NOTE:

If it cannot adjust, replace the MT gear select cable.