

Transmission Control Device

CONTINUOUSLY VARIABLE TRANSMISSION

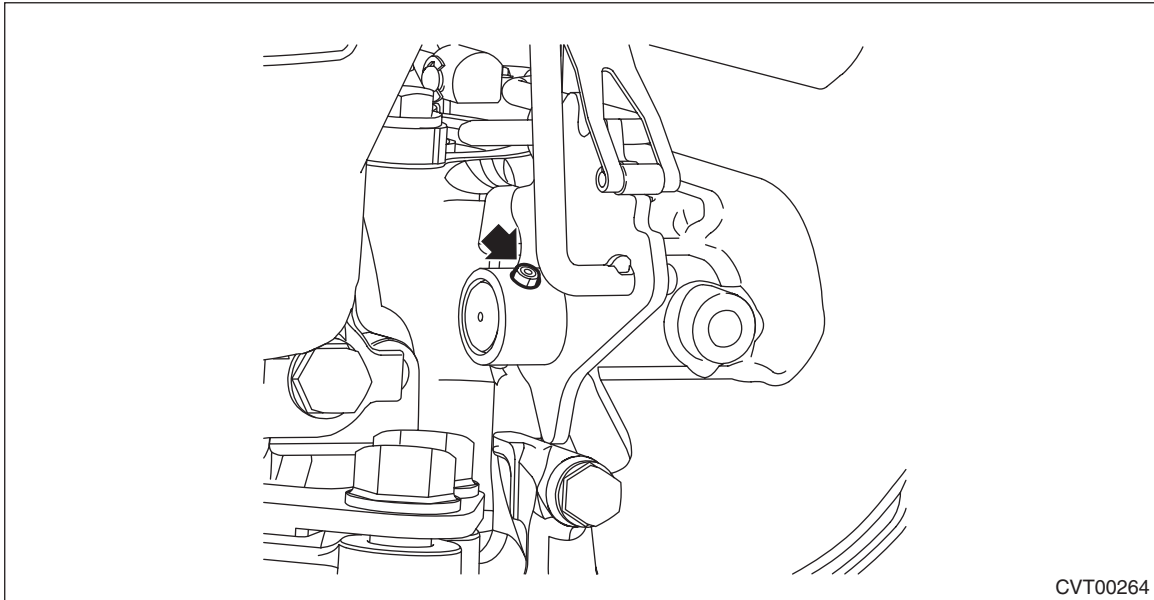
37. Transmission Control Device

A: REMOVAL

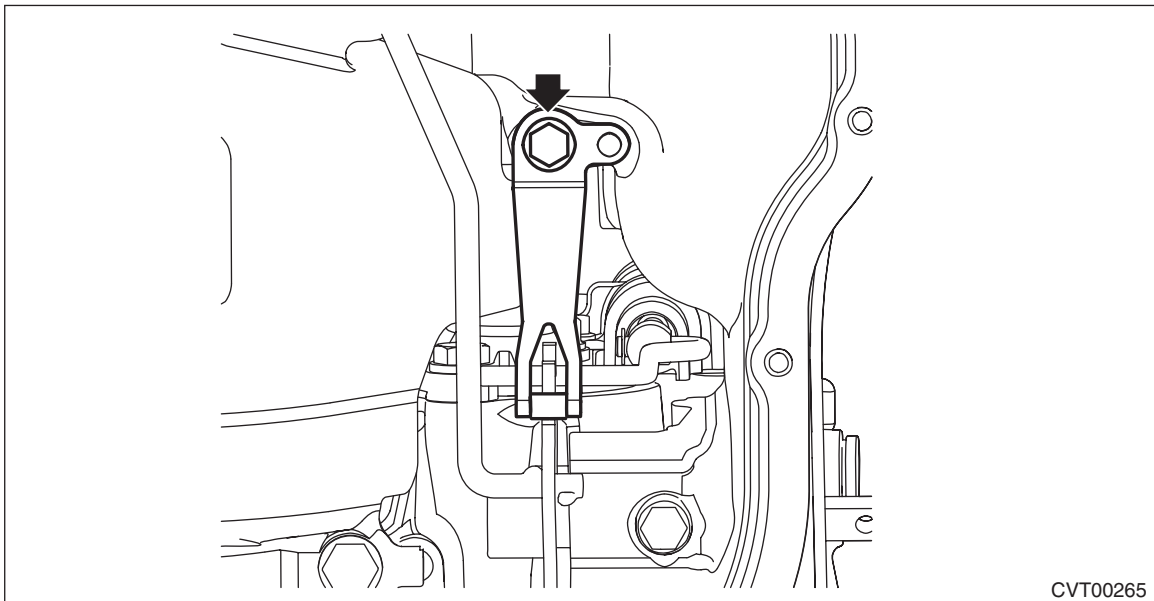
- 1) Remove the transmission assembly from the vehicle. <Ref. to CVT(TH58A)-63, REMOVAL, Automatic Transmission Assembly.>
- 2) Remove the inhibitor switch. <Ref. to CVT(TH58A)-101, REMOVAL, Inhibitor Switch.>
- 3) Remove the oil pan and oil strainer. <Ref. to CVT(TH58A)-112, REMOVAL, Oil Pan and Strainer.>
- 4) Shift the manual plate to “N” range, and remove the spring pin.

NOTE:

Prevent the spring pin from dropping in the transmission using paper towel etc.



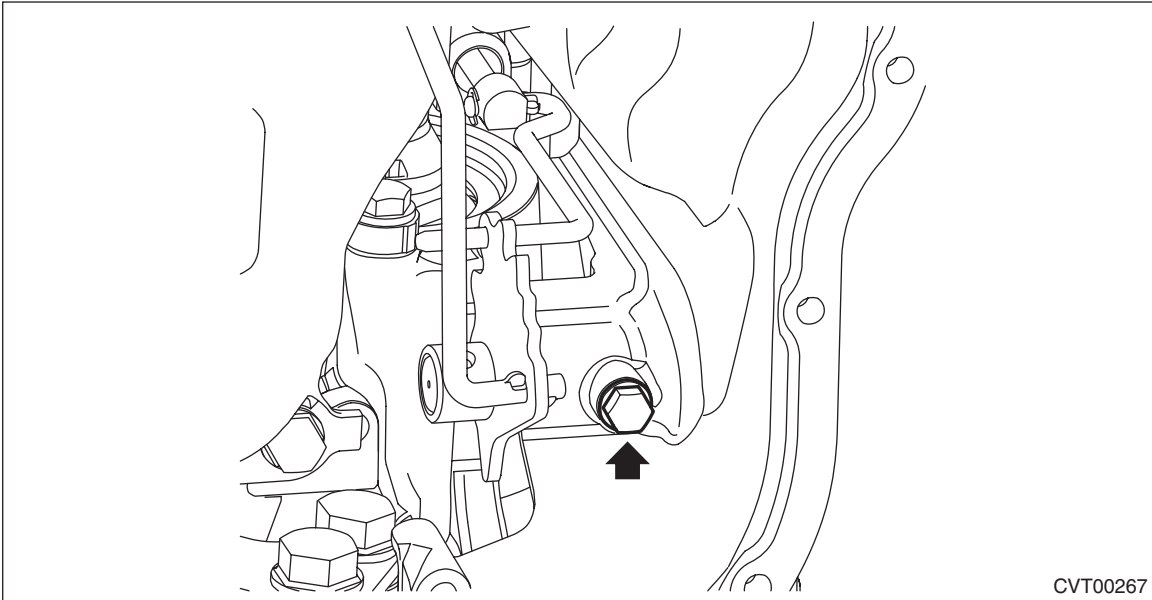
- 5) Remove the detent spring.



6) Remove the shifter arm shaft.

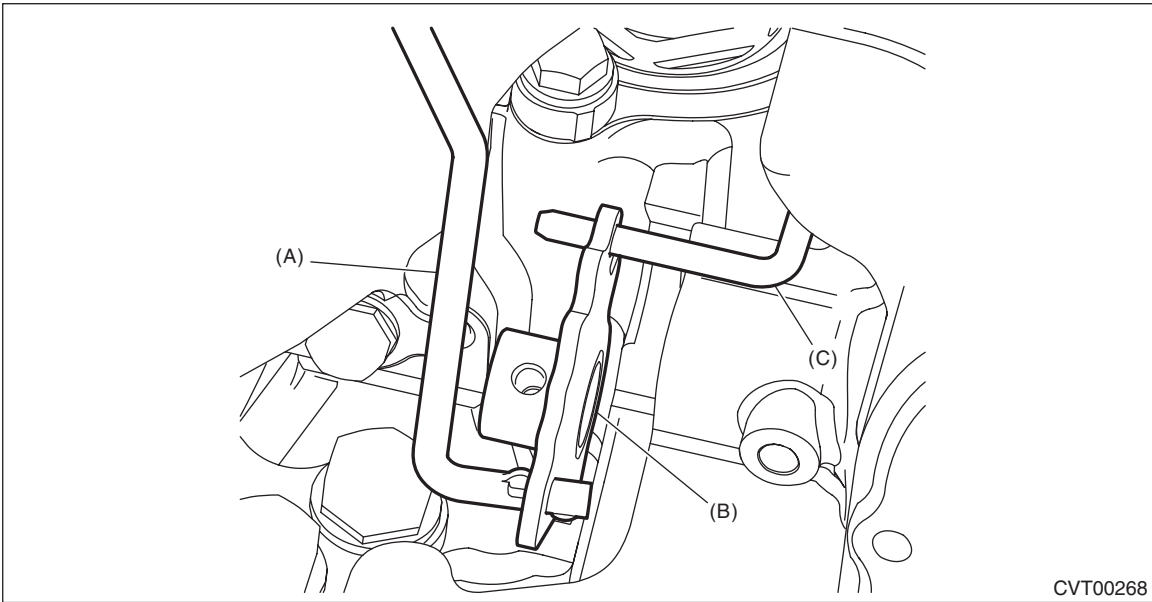
NOTE:

Do not damage the lip of oil seal press-fitted in the case.



CVT00267

7) Remove the shift connecting rod of manual valve.



CVT00268

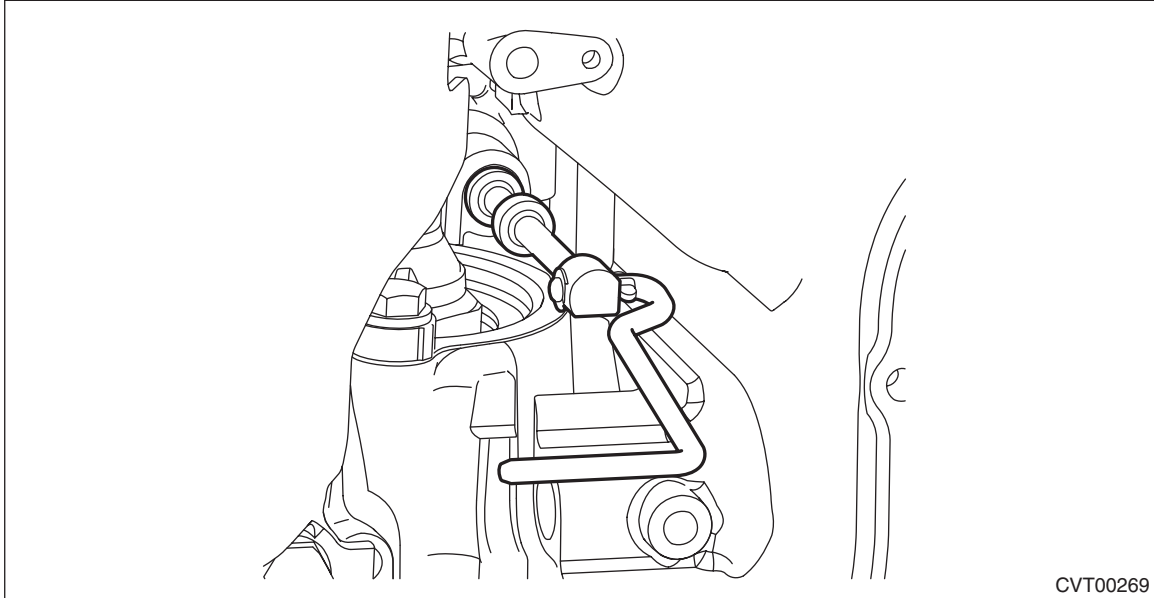
- (A) Parking rod
- (B) Manual plate
- (C) Shift connecting rod

8) Remove the manual plate and parking rod.

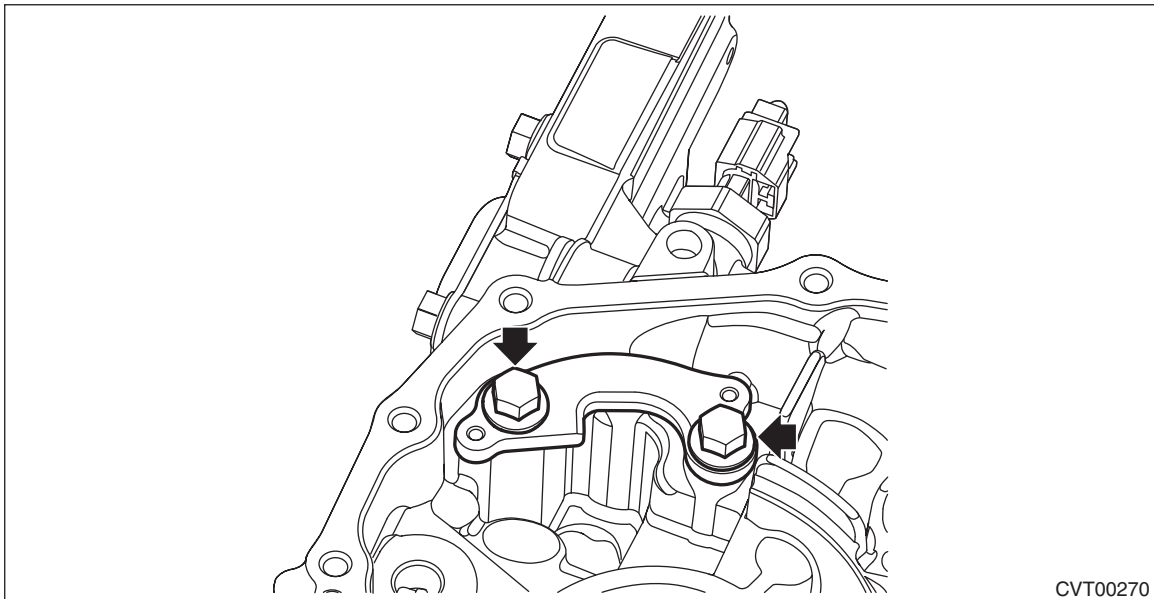
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9) Remove the manual valve.



- 10) Remove the extension case. <Ref. to CVT(TH58A)-182, REMOVAL, Extension Case.>
- 11) Remove the transfer clutch assembly. <Ref. to CVT(TH58A)-186, REMOVAL, Transfer Clutch.>
- 12) Remove the transfer driven gear assembly. <Ref. to CVT(TH58A)-200, REMOVAL, Transfer Driven Gear.>
- 13) Remove the transfer drive gear assembly. <Ref. to CVT(TH58A)-203, REMOVAL, Transfer Drive Gear.>
- 14) Remove the parking pawl. <Ref. to CVT(TH58A)-208, REMOVAL, Parking Pawl.>
- 15) Remove the parking support.

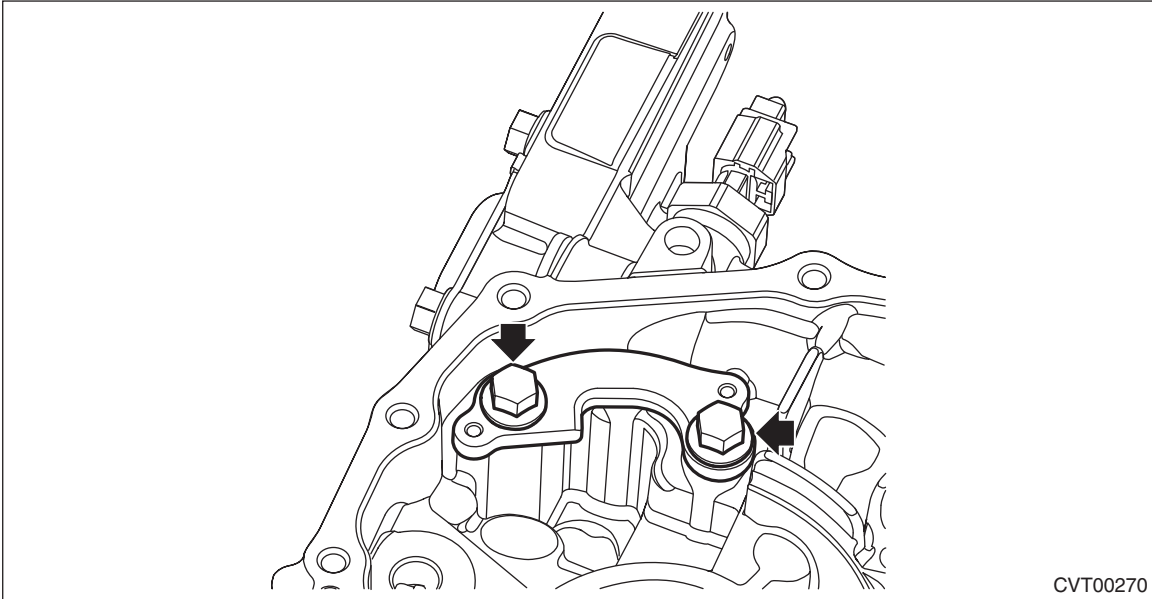


B: INSTALLATION

- 1) Install the parking support.
 - (1) Install the parking support.

Tightening torque:

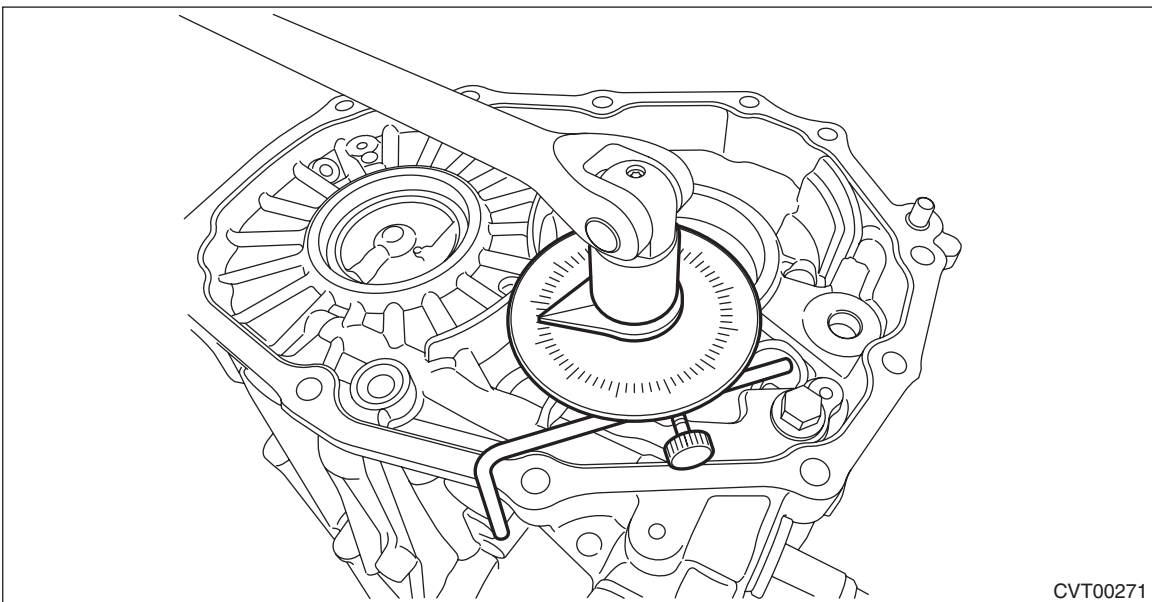
10 N·m (1.0 kgf-m, 7.4 ft-lb)



- (2) While checking the tightening angle with the angle gauge, tighten the parking support mounting bolts to the specified angle.

Tightening angle:

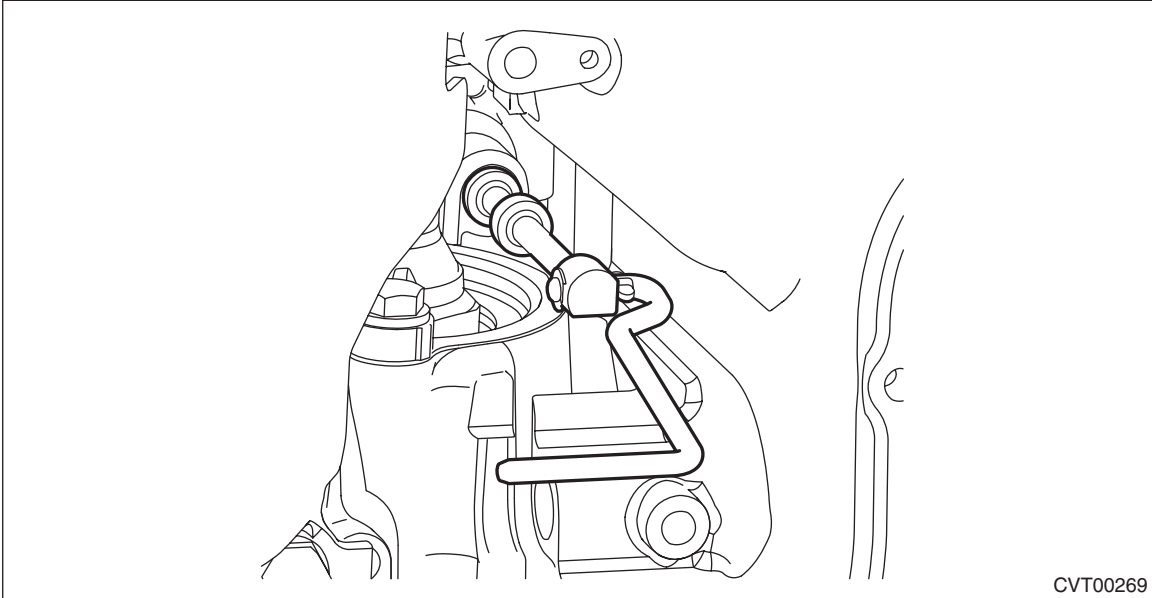
15° — 19°



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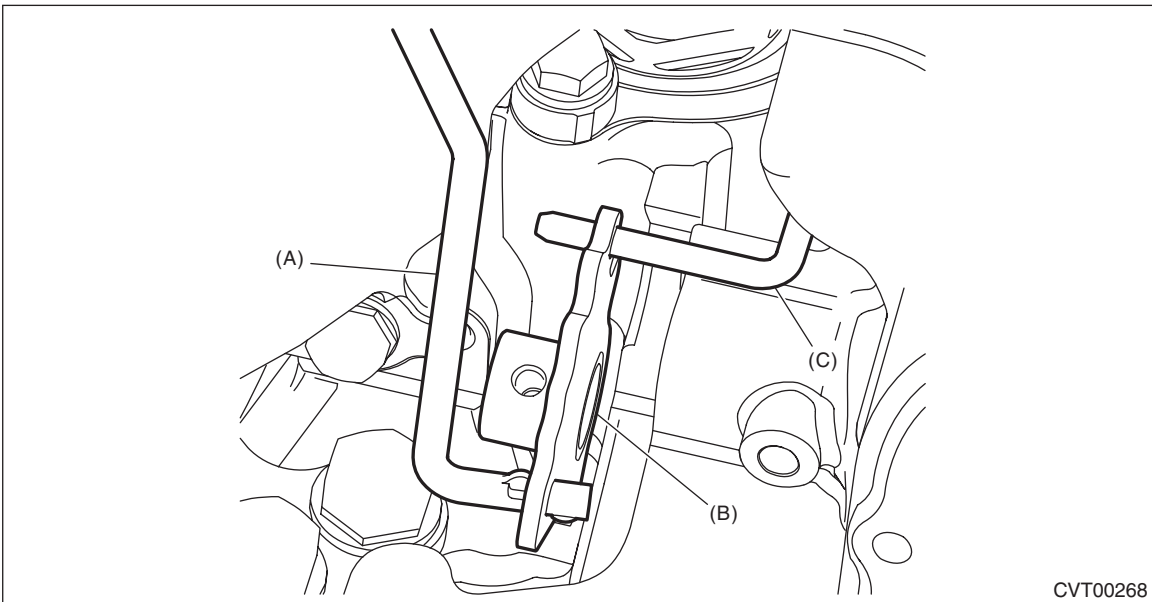
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2) Install the manual valve.



3) Install the parking rod to the manual plate.

4) Insert the parking rod into the transmission case, and install the shift connecting rod of the manual valve to the manual plate.



- (A) Parking rod
- (B) Manual plate
- (C) Shift connecting rod

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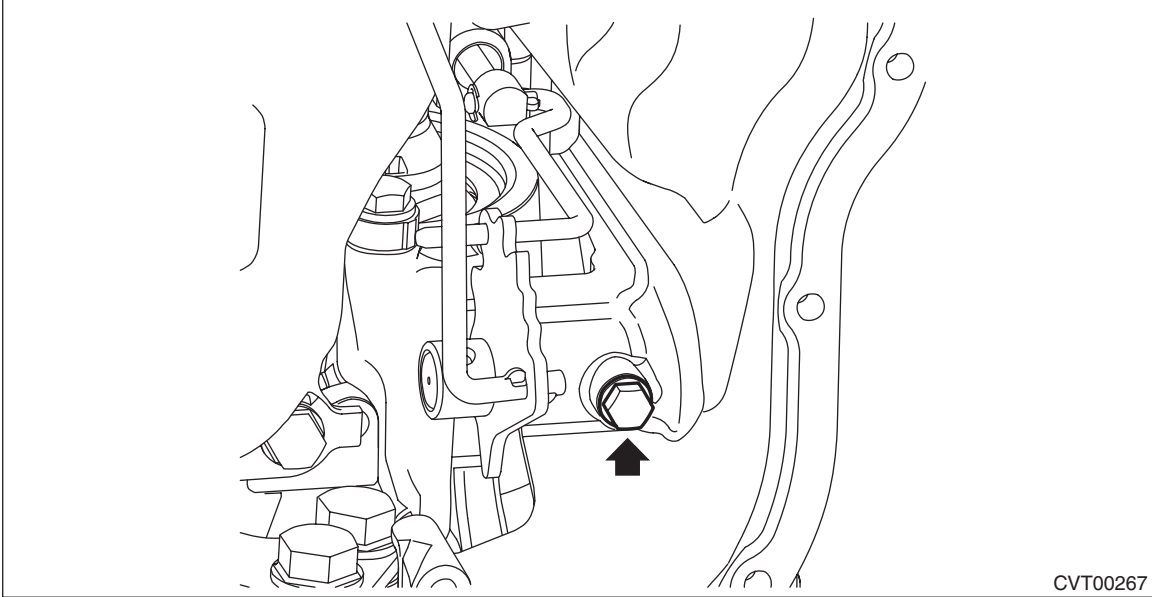
5) Insert the shifter arm shaft to the transmission, install the manual plate to the shifter arm shaft, and secure the shifter arm shaft with bolt.

NOTE:

Do not damage the lip of oil seal press-fitted in the case.

Tightening torque:

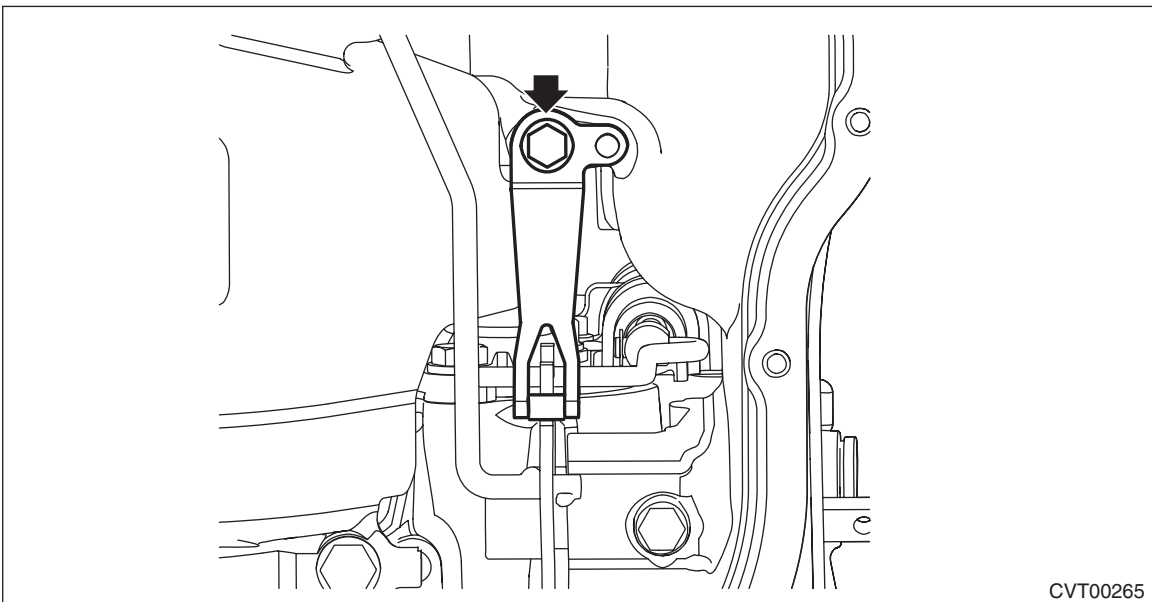
7 N·m (0.7 kgf-m, 5.2 ft-lb)



6) Install the detent spring to the transmission case.

Tightening torque:

7 N·m (0.7 kgf-m, 5.2 ft-lb)



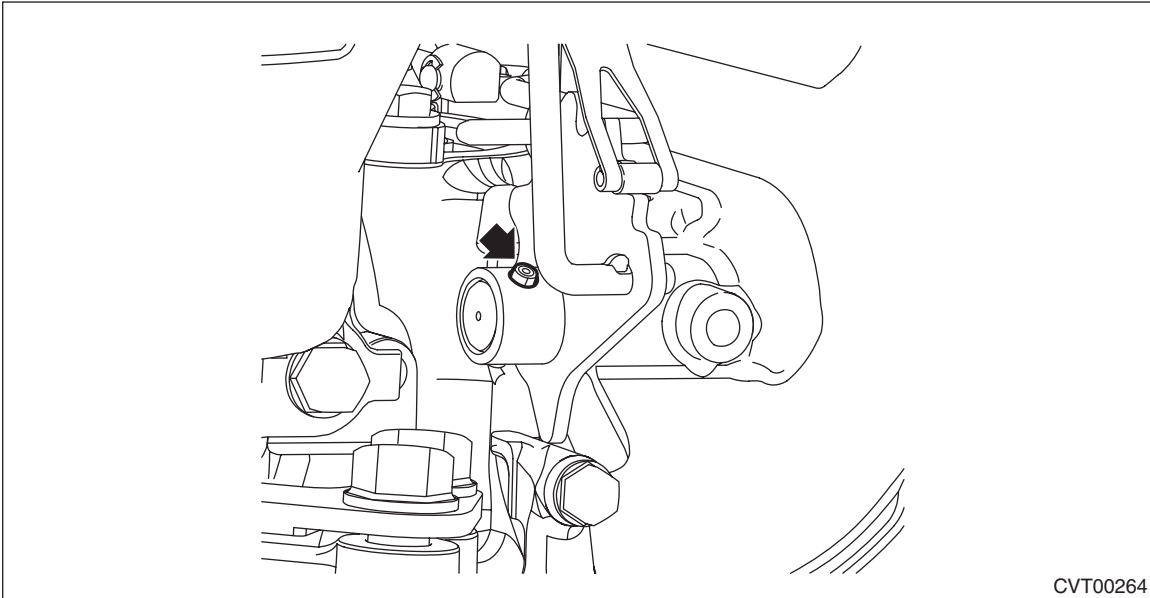
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7) Install the spring pin.

NOTE:

Use new spring pin.



8) Install the inhibitor switch. <Ref. to CVT(TH58A)-102, INSTALLATION, Inhibitor Switch.>

9) Adjust the inhibitor switch. <Ref. to CVT(TH58A)-100, ADJUSTMENT, Inhibitor Switch.>

10) Install the oil strainer and oil pan. <Ref. to CVT(TH58A)-114, INSTALLATION, Oil Pan and Strainer.>

11) Install the parking pawl. <Ref. to CVT(TH58A)-208, INSTALLATION, Parking Pawl.>

12) Install the transfer drive gear assembly. <Ref. to CVT(TH58A)-204, INSTALLATION, Transfer Drive Gear.>

13) Install the transfer driven gear assembly. <Ref. to CVT(TH58A)-201, INSTALLATION, Transfer Driven Gear.>

14) Install the transfer clutch assembly. <Ref. to CVT(TH58A)-188, INSTALLATION, Transfer Clutch.>

15) Install the extension case. <Ref. to CVT(TH58A)-183, INSTALLATION, Extension Case.>

16) Install the transmission assembly to the vehicle. <Ref. to CVT(TH58A)-77, INSTALLATION, Automatic Transmission Assembly.>

C: INSPECTION

Make sure that the manual plate and detent spring are not worn or otherwise damaged.