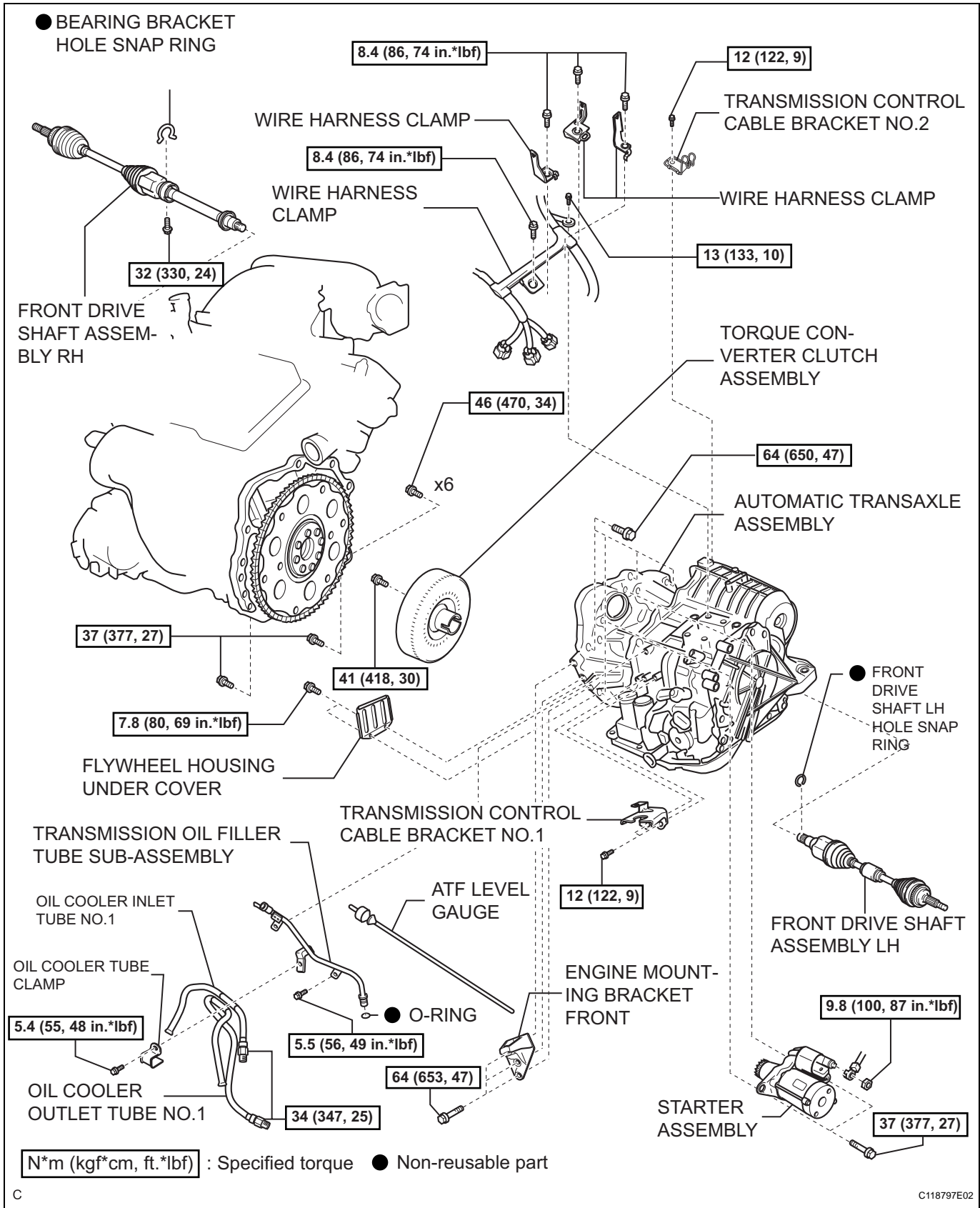


AUTOMATIC TRANSAXLE ASSEMBLY

COMPONENTS



AX

REMOVAL

1. REMOVE ENGINE ASSEMBLY WITH TRANSAXLE

HINT:

(See page [EM-113](#))

2. REMOVE FRONT DRIVE SHAFT ASSEMBLY LH

HINT:

(See page [DS-6](#))

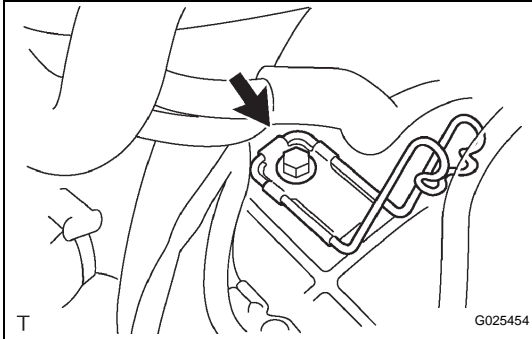
3. REMOVE FRONT DRIVE SHAFT ASSEMBLY RH

HINT:

(See page [DS-7](#))

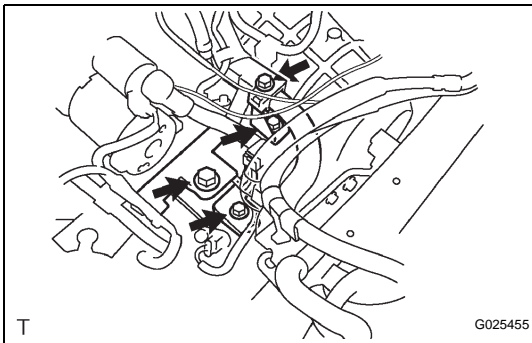
4. REMOVE TRANSMISSION CONTROL CABLE BRACKET NO.2

- (a) Remove the bolt and the transmission control cable bracket No.2.



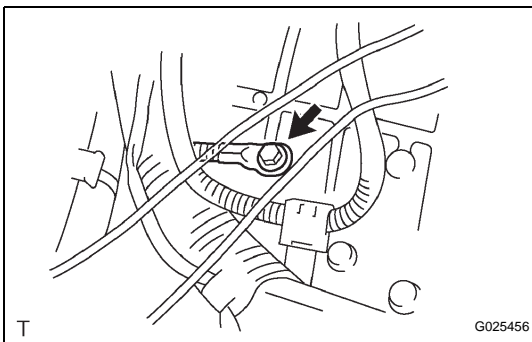
5. REMOVE WIRE HARNESS CLAMP

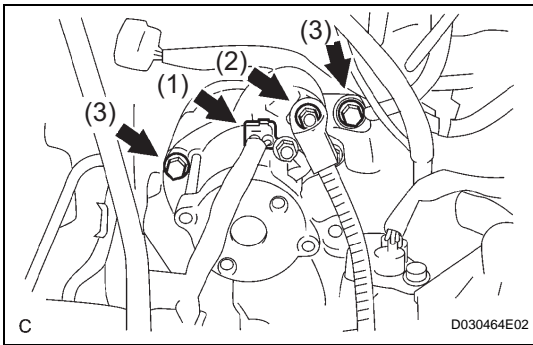
- (a) Disconnect the wire harnesses from the clamp.
(b) Remove the 4 bolts and 4 clamps.



6. DISCONNECT WIRE HARNESS

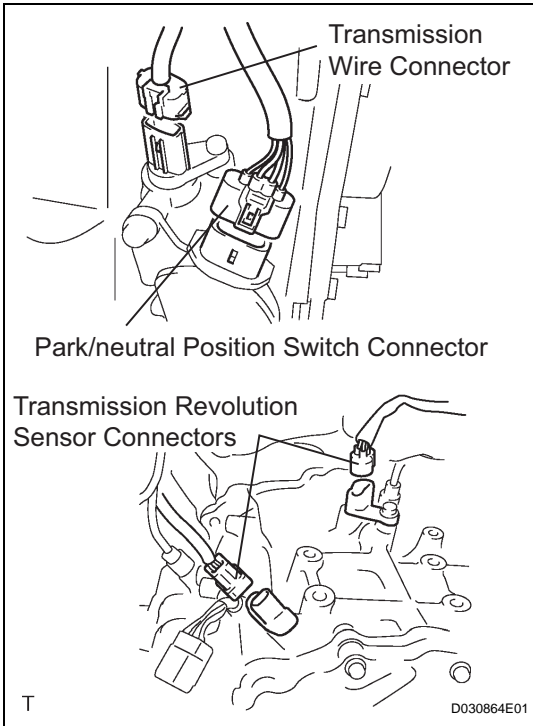
- (a) Remove the bolt and disconnect the wire harness.





7. REMOVE STARTER ASSEMBLY

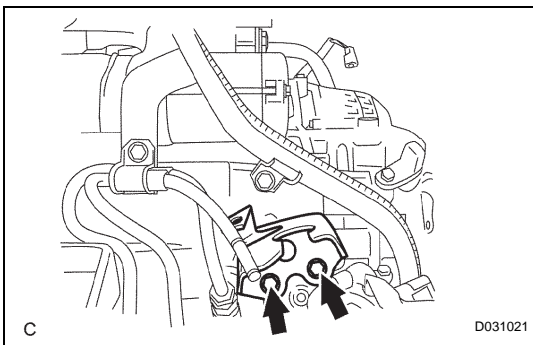
- (a) Disconnect the connector (1).
- (b) Remove the nut (2) and disconnect the starter wire.
- (c) Remove the 2 bolts (3) and starter assembly.



8. DISCONNECT CONNECTORS

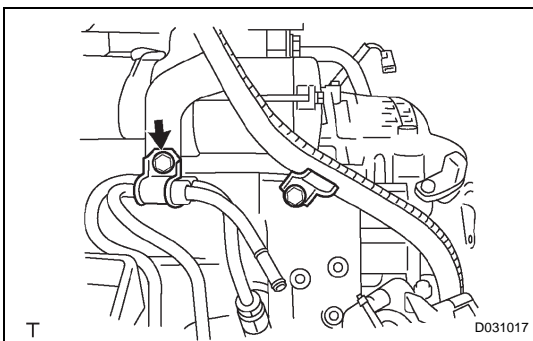
- (a) Disconnect the transmission wire connector.
- (b) Disconnect the park/neutral position switch connector.
- (c) Disconnect the 2 transmission revolution sensor connectors.

AX



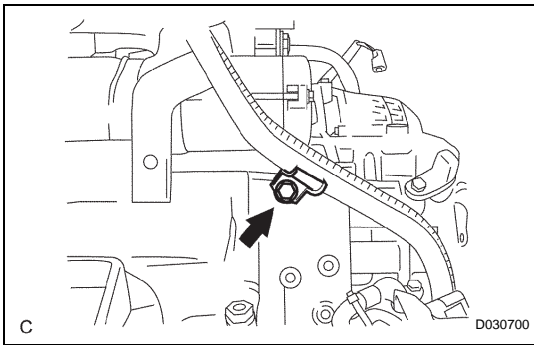
9. REMOVE TRANSMISSION CONTROL CABLE BRACKET NO.1

- (a) Remove the 2 bolts and transmission control cable bracket No.1.

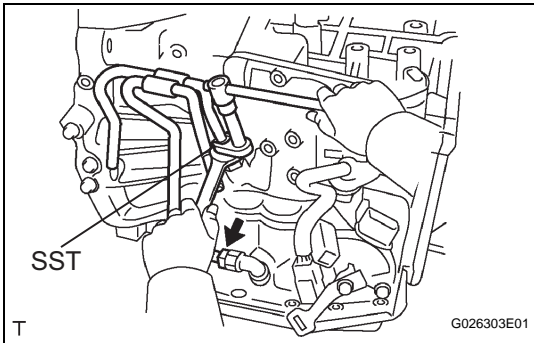


10. REMOVE TRANSMISSION OIL FILLER TUBE SUB-ASSEMBLY

- (a) Remove the ATF level gauge.
- (b) Disconnect the 2 clamps from the oil filter tube sub-assembly.
- (c) Remove the bolt and oil cooler tube clamp.



- (d) Remove the bolt and transmission oil filter tube sub-assembly.
- (e) Remove the O-ring from the oil filter tube sub-assembly.



11. REMOVE OIL COOLER INLET TUBE NO.1

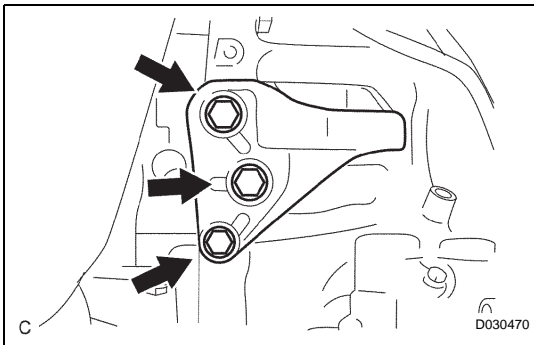
- (a) Using SST and a wrench, disconnect the oil cooler inlet tube No.1.

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12. REMOVE OIL COOLER OUTLET TUBE NO.1

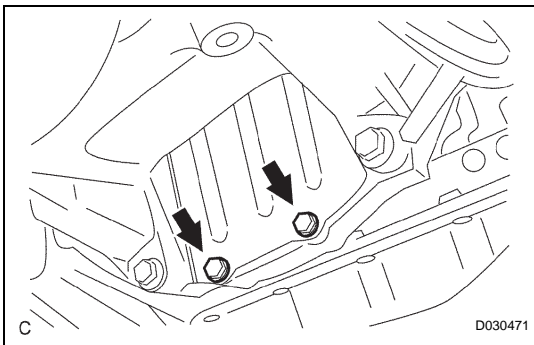
- (a) Using SST and a wrench, disconnect the oil cooler outlet tube No.1.

SST 09023-12701



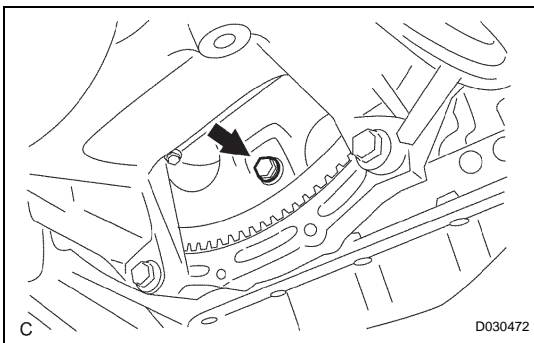
13. REMOVE ENGINE MOUNTING BRACKET FRONT

- (a) Remove the 3 bolts and engine mounting bracket front.



14. REMOVE AUTOMATIC TRANSAXLE ASSEMBLY

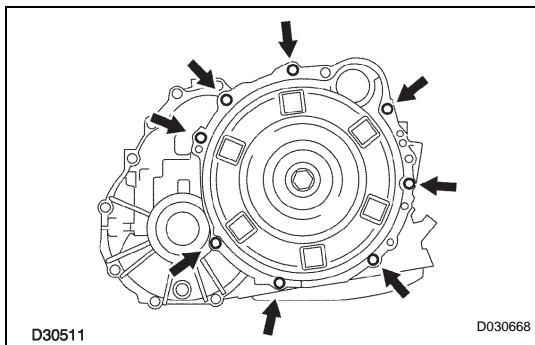
- (a) Remove the 2 bolts and flywheel housing under cover.



- (b) Turn the crankshaft to gain access and remove the 6 bolts while holding the crankshaft pulley bolt with a wrench.

HINT:

There will be one green colored bolt.



(c) Remove the 8 bolts.

(d) Separate and remove the automatic transaxle.

15. REMOVE TORQUE CONVERTER CLUTCH ASSEMBLY

16. INSPECT TORQUE CONVERTER CLUTCH ASSEMBLY

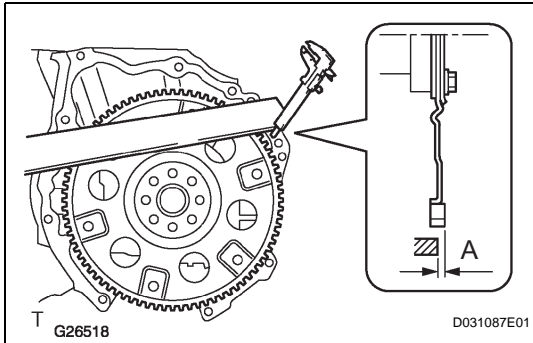
HINT:

(See page [AX-189](#))

INSTALLATION

1. INSTALL TORQUE CONVERTER CLUTCH ASSEMBLY

- (a) Install the torque converter clutch to the automatic transaxle.
- (b) Using vernier calipers and a straight edge, measure the dimension "A" between the transaxle fitting part of the engine and the converter fitting part of the drive plate (*1).



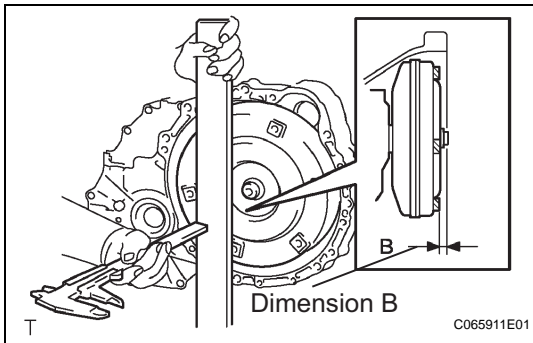
- (c) Using vernier calipers and a straight edge, measure the dimension "B" shown in the illustration and check that "B" is greater than "A" (measured in step (*1)).

Standard:

A + 1 mm (0.03937 in.) or more

NOTICE:

Remember to minus the thickness of the straight edge.



2. INSTALL AUTOMATIC TRANSAXLE ASSEMBLY

- (a) Install the automatic transaxle to the engine with the 8 bolts.

Torque: Bolt A

64 N*m (650 kgf*cm, 47 ft.*lbf)

Bolt B

46 N*m (470 kgf*cm, 34 ft.*lbf)

Bolt C

37 N*m (377 kgf*cm, 27 ft.*lbf)

- (b) Apply a few drops of adhesive to each of 2 threads on the tip of the 6 torque converter clutch mounting bolts.

Adhesive:

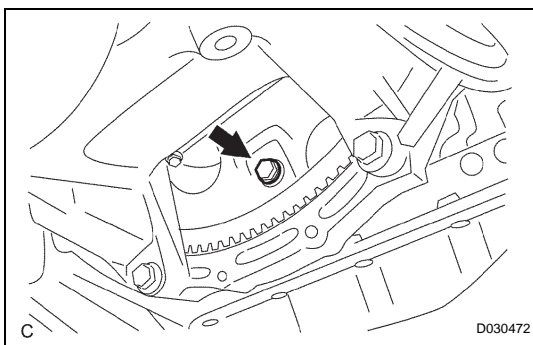
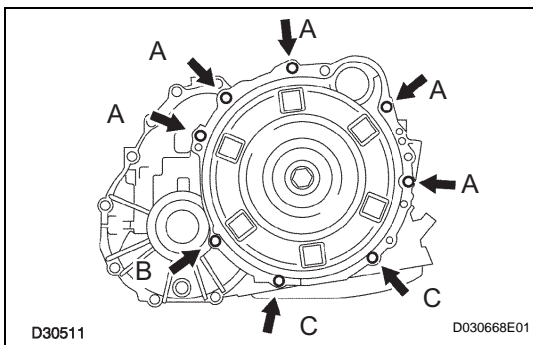
Part No. 08833-00070, THREE BOND 1324 or equivalent

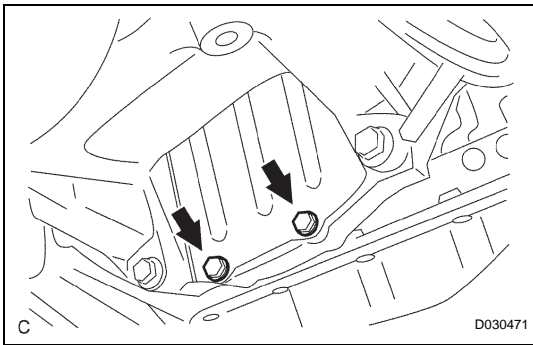
- (c) Install the 6 torque converter clutch mounting bolts.

Torque: 41 N*m (418 kgf*cm, 30 ft.*lbf)

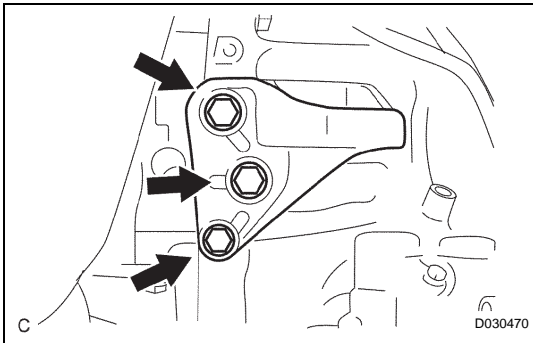
NOTICE:

First install the green colored bolt, and then the remaining 5 bolts.





- (d) Install the flywheel housing under cover to the automatic transaxle with the 2 bolt.
Torque: 7.8 N*m (80 kgf*cm, 69 in.*lbf)

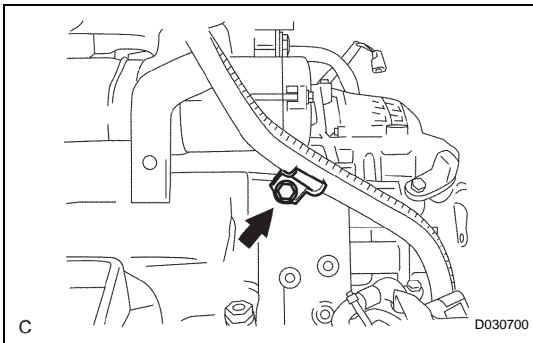


3. INSTALL ENGINE MOUNTING BRACKET FRONT

- (a) Install the engine mounting bracket front to the automatic transaxle with the 3 bolts.
Torque: 64 N*m (653 kgf*cm, 47 ft.*lbf)

4. INSTALL TRANSMISSION OIL FILLER TUBE SUB-ASSEMBLY

- (a) Coat a new O-ring with ATF, and install it to the transmission oil filler tube sub-assembly.

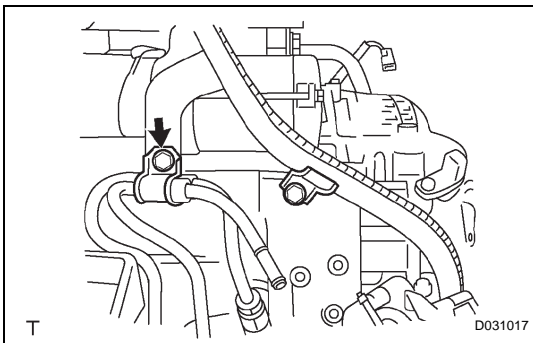


- (b) Install the transmission oil filler tube sub-assembly to the automatic transaxle with the bolt.
Torque: 5.5 N*m (56 kgf*cm, 49 in.*lbf)

- (c) Connect the 2 clamps to the oil filter tube.
- (d) Install the ATF level gauge.

5. INSTALL OIL COOLER INLET TUBE NO.1

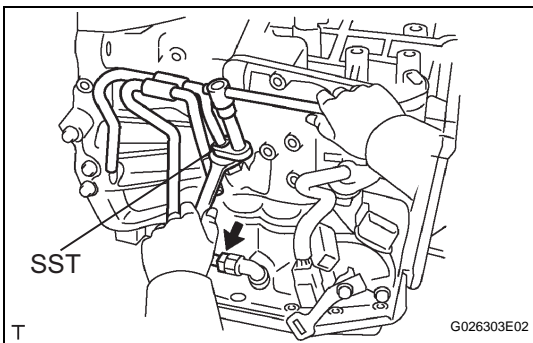
- (a) Temporarily install the oil cooler outlet tube No.1.
- (b) Temporarily install the oil cooler inlet tube No.1.



- (c) Install the oil cooler tube clamp and bolt.
Torque: 5.4 N*m (55 kgf*cm, 48 in.*lbf)

HINT:

Install them so that the oil cooler tube cushion is positioned as shown in the illustration.



- (d) Using SST and a wrench, tighten the oil cooler inlet tube No.1.

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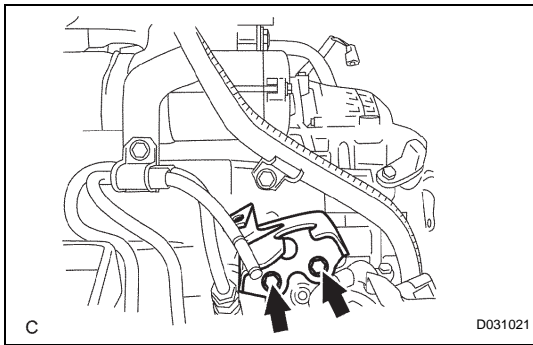
Torque: 34 N*m (347 kgf*cm, 25 ft.*lbf)

6. INSTALL OIL COOLER OUTLET TUBE NO.1

- (a) Using SST and a wrench, tighten the oil cooler outlet tube No.1.

SST 09023-12701

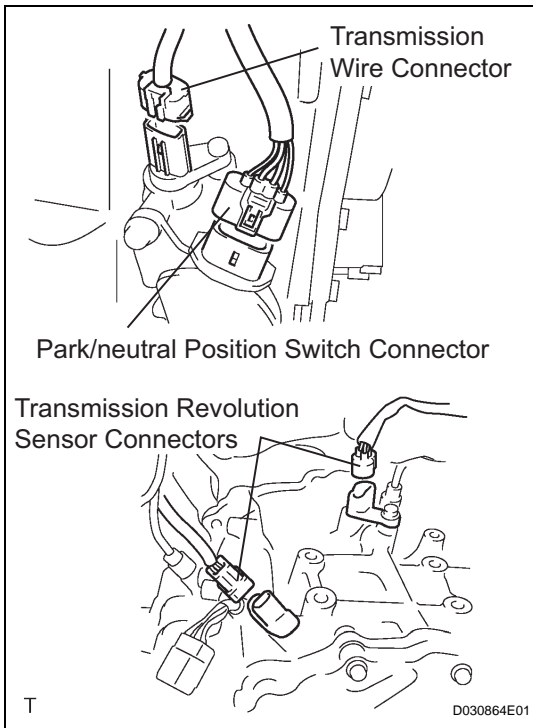
Torque: 34 N*m (347 kgf*cm, 25 ft.*lbf)



7. INSTALL TRANSMISSION CONTROL CABLE BRACKET NO.1

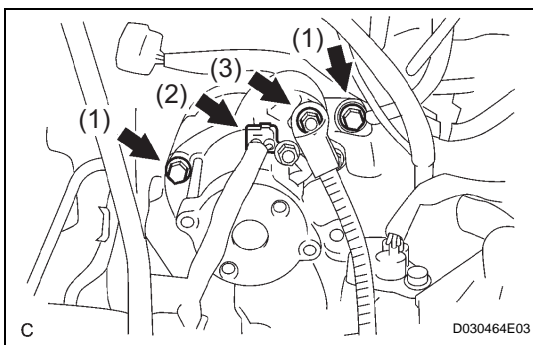
- (a) Install the control cable bracket No.1 with the 2 bolts.

Torque: 12 N*m (122 kgf*cm, 9 ft.*lbf)



8. CONNECT CONNECTORS

- (a) Connect the transmission wire connector.
- (b) Connect the park/neutral position switch connector.
- (c) Connect the 2 transmission revolution sensor connectors.



9. INSTALL STARTER ASSEMBLY

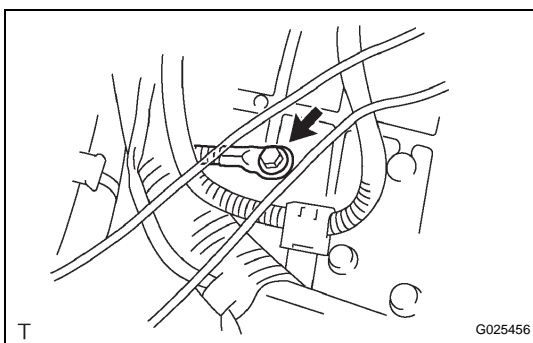
- (a) Install the starter assembly with the 2 bolts (1).

Torque: 37 N*m (377 kgf*cm, 27 ft.*lbf)

- (b) Connect the connector (2).

- (c) Connect the starter wire with the nut (3).

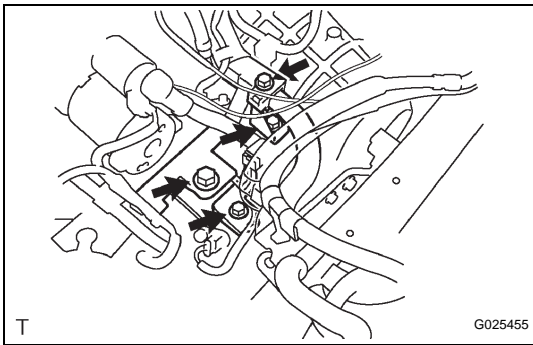
Torque: 9.8 N*m (100 kgf*cm, 87 in.*lbf)



10. CONNECT WIRE HARNESS

- (a) Connect the wire harness with the bolt.

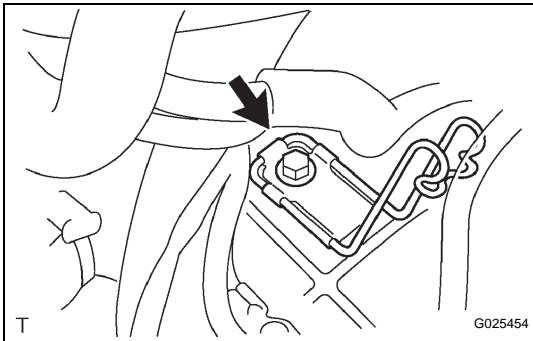
Torque: 13 N*m (133 kgf*cm, 10 ft.*lbf)

**11. INSTALL WIRE HARNESS CLAMP**

(a) Install the 4 clamps and 4 bolts.

Torque: 8.4 N*m (86 kgf*cm, 74 in.*lbf)

(b) Connect the wire harnesses to the clamps.

**12. INSTALL TRANSMISSION CONTROL CABLE BRACKET NO.2**

(a) Install the transmission control cable bracket No.2 with the bolt.

Torque: 12 N*m (122 kgf*cm, 9 ft.*lbf)**13. INSTALL LH FRONT DRIVE SHAFT ASSEMBLY**

HINT:

(See page [DS-15](#))**14. INSTALL RH FRONT DRIVE SHAFT ASSEMBLY**

HINT:

(See page [DS-16](#))**15. INSTALL ENGINE ASSEMBLY WITH TRANSAXLE**

HINT:

(See page [EM-120](#))**16. RESET MEMORY**

HINT:

(See page [AX-1](#))**17. PERFORM INITIALIZATION**

HINT:

Some system need initialization when disconnecting the cable from the negative battery terminal (See page [AX-1](#)).