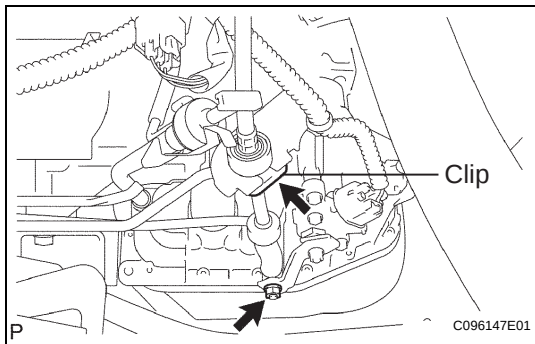
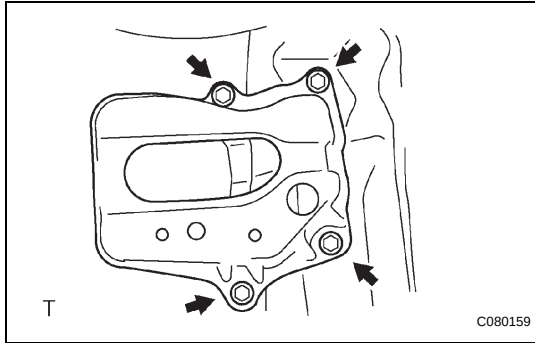
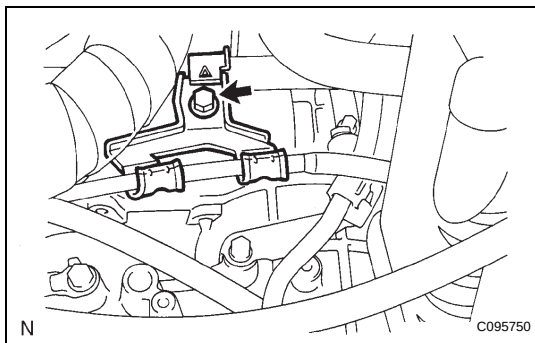


REMOVAL

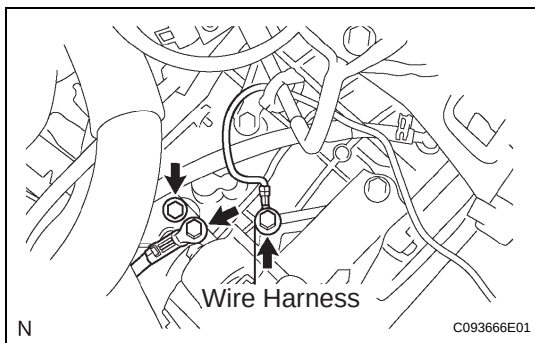
1. REMOVE HOOD SUB-ASSEMBLY
2. REMOVE CYLINDER HEAD COVER NO.2 (See page [EM-86](#))
3. REMOVE BATTERY
4. REMOVE BATTERY CARRIER
 - (a) Remove the 4 bolts and battery carrier.
5. REMOVE AIR CLEANER ASSEMBLY WITH HOSE



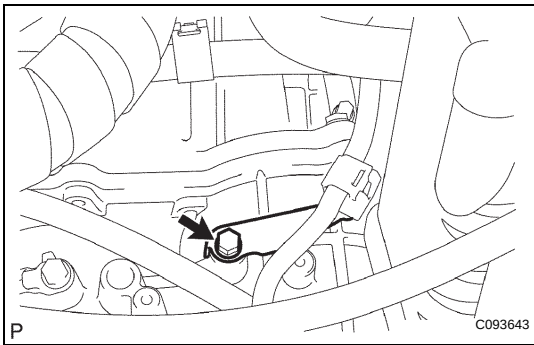
6. REMOVE TRANSMISSION CONTROL CABLE ASSEMBLY
 - (a) Remove the nut from the control shaft lever.
 - (b) Disconnect the control cable from the control shaft lever.
 - (c) Remove the clip and disconnect the control cable from the control cable bracket.



7. REMOVE TRANSMISSION CONTROL CABLE SUPPORT
 - (a) Disconnect the wire harness clamp and control cable from the control cable support.
 - (b) Remove the bolt and control cable support.
8. REMOVE TRANSMISSION CONTROL CABLE BRACKET NO.1
 - (a) Remove the 2 bolts and control cable bracket.



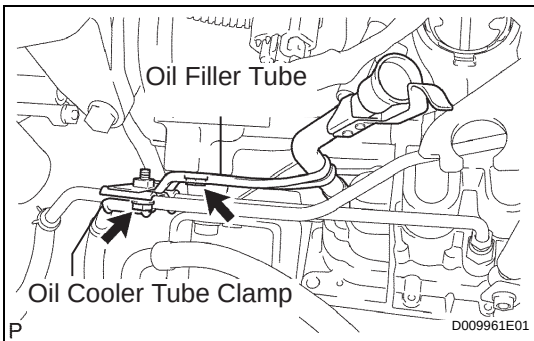
9. DISCONNECT WIRE HARNESS
 - (a) Remove the 2 bolts and disconnect the 2 wire harnesses.
 - (b) Remove the bolt and disconnect the wire harness clamp bracket.



- (c) Remove the bolt and disconnect the wire harness clamp bracket.

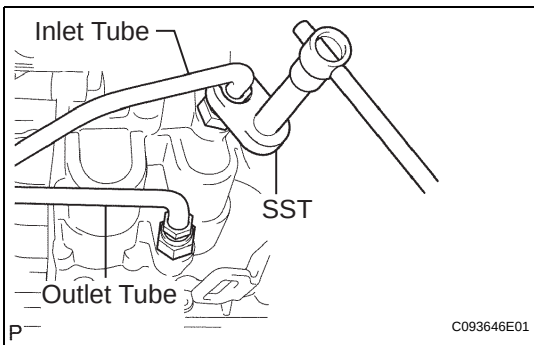
10. DISCONNECT CONNECTOR

- (a) Disconnect the transmission wire connector.
- (b) Disconnect the park / neutral position switch connector.
- (c) w/o ABS:
Disconnect the speedometer sensor connector.



11. REMOVE TRANSMISSION OIL FILLER TUBE SUB-ASSEMBLY

- (a) Remove the ATF lever gauge.
- (b) Remove the 2 bolts, oil cooler tube clamp and oil filler tube.
- (c) Remove the O-ring from the oil filler tube.



12. DISCONNECT OIL COOLER INLET TUBE NO.1

- (a) Using SST, disconnect the oil cooler inlet tube No. 1.
SST 09023-12701

13. DISCONNECT OIL COOLER OUTLET TUBE NO.1

- (a) Using SST, disconnect the oil cooler outlet tube No. 1.
SST 09023-12701

14. DISCONNECT OXYGEN SENSOR CONNECTOR

- (a) Remove the foot rest.
- (b) Pull up the floor carpet.
- (c) Disconnect the oxygen sensor connector.

15. SUSPEND ENGINE ASSEMBLY

- (a) Disconnect the 2 PCV hoses.
- (b) Install the No. 1 and No. 2 engine hangers in the correct direction.

Part No.:

No. 1 engine hanger:

12281-22021

No. 2 engine hanger:

12281-15040

Bolt:

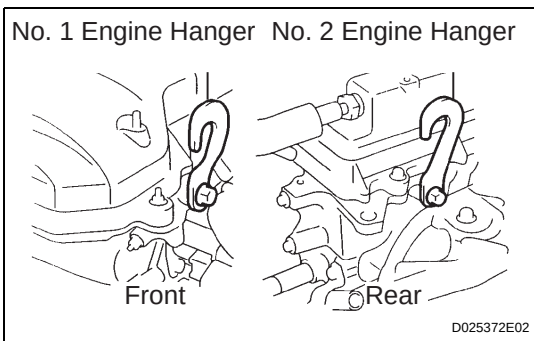
91512-B1016

Torque: 38 N*m (387 kgf*cm, 28 ft.*lbf)

- (c) Attach the engine chain hoist to the engine hangers.

CAUTION:

Do not attempt to hang the engine by hooking the chain to any other parts.



16. REMOVE FRONT WHEELS

17. REMOVE ENGINE UNDER COVER RH

18. REMOVE ENGINE UNDER COVER LH**19. DRAIN AUTOMATIC TRANSAXLE FLUID**

- (a) Remove the drain plug and gasket, and drain ATF.
- (b) Install a new gasket and drain plug.

Torque: 18 N*m (180 kgf*cm, 13 ft.*lbf)

20. REMOVE EXHAUST PIPE ASSEMBLY FRONT

HINT:

(See page [EX-2](#))

21. REMOVE FRONT DRIVE SHAFT ASSEMBLY RH
SST 09520-01010, 09520-24010 (09520-32040)

HINT:

(See page [DS-5](#))

22. REMOVE FRONT DRIVE SHAFT ASSEMBLY LH
SST 09520-01010, 09520-24010 (09520-32040)

HINT:

(See page [DS-5](#))

23. REMOVE AUTOMATIC TRANSMISSION CASE PROTECTOR

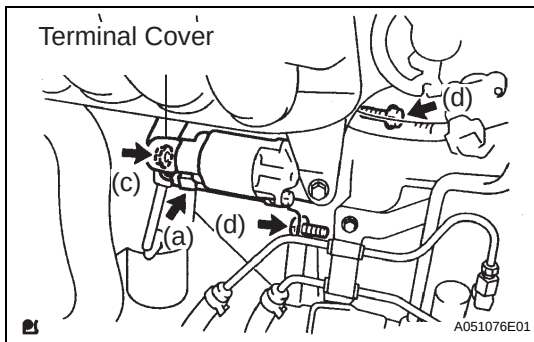
- (a) Remove the 2 bolts and case protector.

24. REMOVE STARTER ASSEMBLY

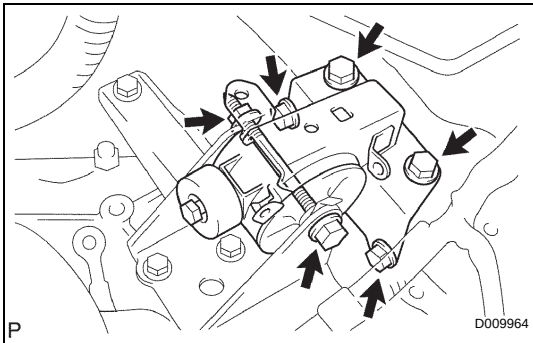
- (a) Disconnect the starter connector.
- (b) Open the terminal cover.
- (c) Remove the nut and disconnect the starter wire.
- (d) Remove the 2 bolts, then remove the starter.

25. SUPPORT AUTOMATIC TRANSAXLE ASSEMBLY

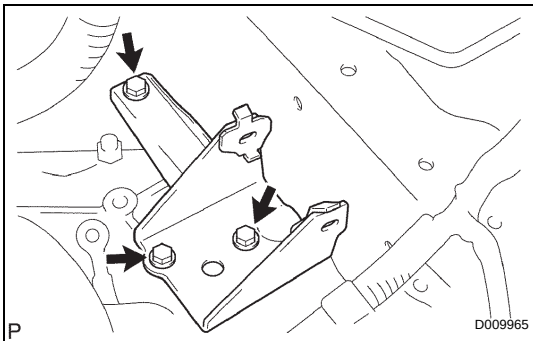
- (a) Support the automatic transaxle with a transmission jack.

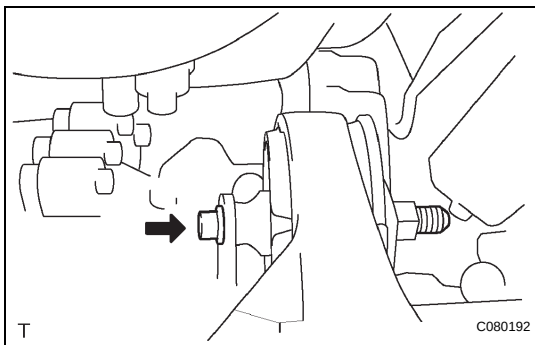
**26. REMOVE ENGINE MOUNTING INSULATOR LH**

- (a) Remove the 5 bolts, nut and engine mounting insulator LH.

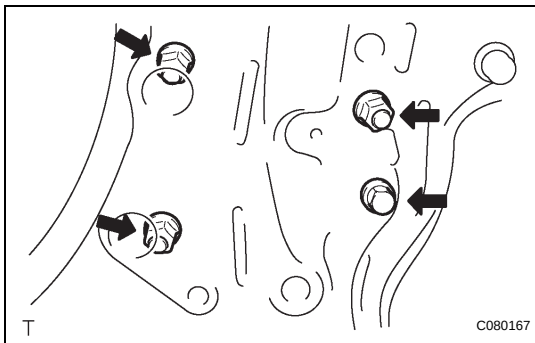
**27. REMOVE ENGINE MOUNTING BRACKET LH**

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

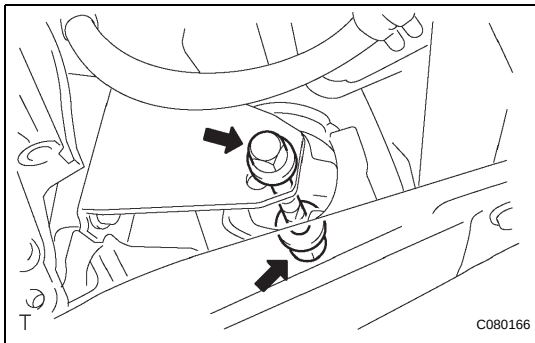


**28. REMOVE ENGINE MOUNTING INSULATOR REAR**

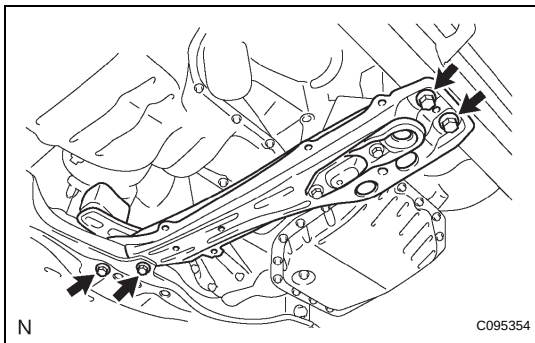
- (a) Remove the bolt from the engine mounting bracket rear.



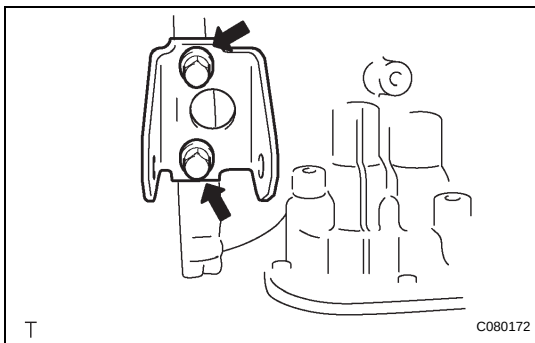
- (b) Remove the 3 nuts, bolt and engine mounting insulator rear from the suspension member.

**29. REMOVE ENGINE MOUNTING INSULATOR FRONT**

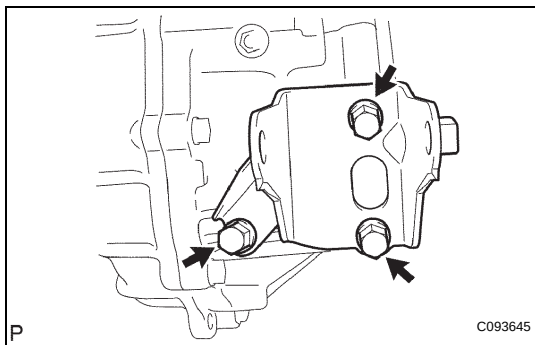
- (a) Remove the bolt and nut from the engine mounting bracket front.

**30. REMOVE ENGINE MOUNTING MEMBER SUB-ASSEMBLY CENTER**

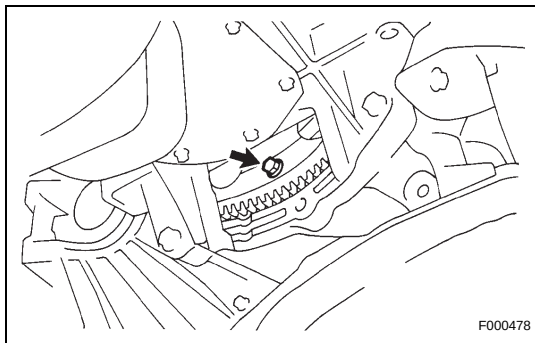
- (a) Remove the 4 bolts, dynamic damper and member sub-assembly center with engine mounting insulator front.

**31. REMOVE ENGINE MOUNTING BRACKET FRONT**

- (a) Remove the 2 bolts and engine mounting bracket front.

**32. REMOVE ENGINE MOUNTING BRACKET REAR**

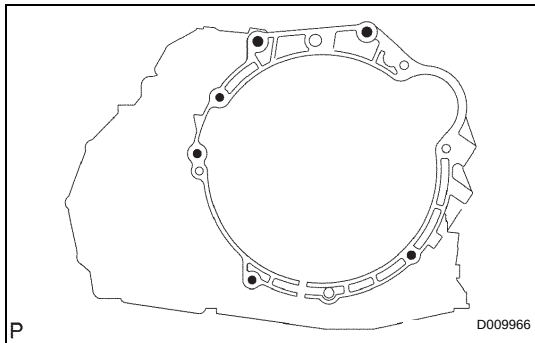
- (a) Remove the 3 bolts and engine mounting bracket rear.

33. REMOVE FLYWHEEL HOUSING UNDER COVER**34. REMOVE AUTOMATIC TRANSAXLE ASSEMBLY**

- (a) 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 black colored bolt.



- (b) Remove the 6 bolts.

- (c) Separate and remove the automatic transaxle.

35. REMOVE TORQUE CONVERTER CLUTCH ASSEMBLY**36. INSPECT TORQUE CONVERTER CLUTCH ASSEMBLY**

SST 09350-32014 (09351-32010, 09351-32020)

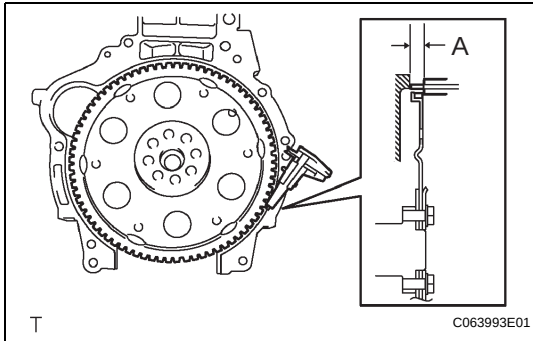
HINT:

(See page [AX-137](#))

INSTALLATION

1. INSTALL TORQUE CONVERTER CLUTCH ASSEMBLY

- Install the torque converter clutch to the automatic transaxle.
- Using vernier calipers, measure the dimension "A" between the transaxle fitting part of the engine and the converter fitting part of the drive plate (procedure "I").



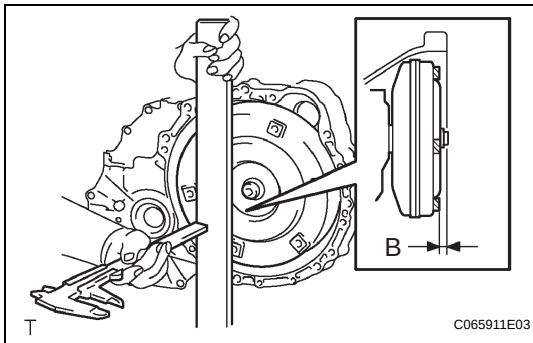
- Using vernier calipers and a straight edge, measure the dimension "B" shown in the illustration and check that "B" is greater than "A" measured in procedure "I".

Standard:

A + 1 mm (0.04 in.) or more

NOTICE:

Remember to minus the thickness of the straight edge.



2. INSTALL AUTOMATIC TRANSAXLE ASSEMBLY

- Install the automatic transaxle and 6 bolts to the engine.

Torque: Bolt A

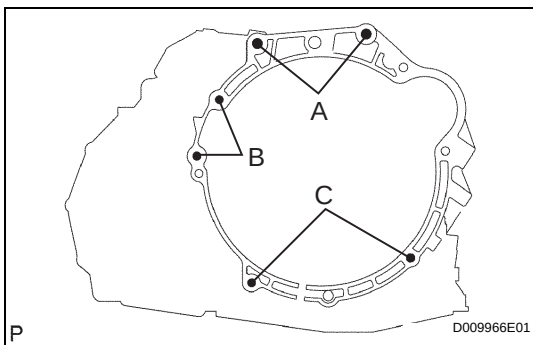
64 N*m (650 kgf*cm, 47 ft.*lbf)

Bolt B

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

Bolt C

23 N*m (235 kgf*cm, 17 ft.*lbf)

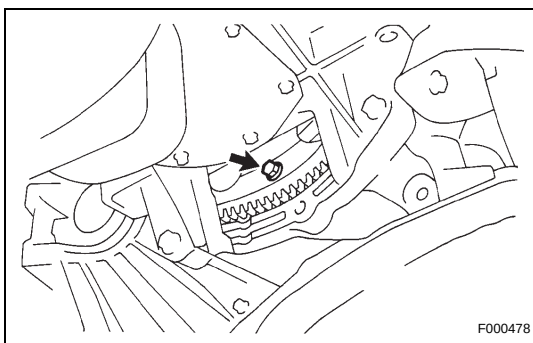


- Install the 6 torque converter mounting bolts.

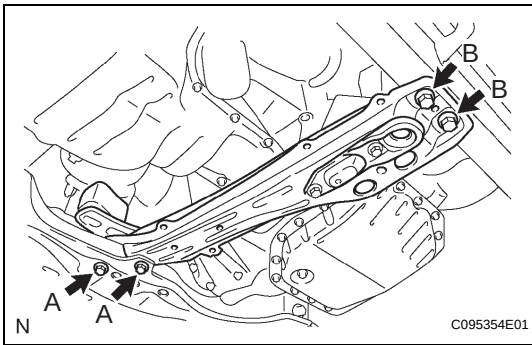
Torque: 28 N*m (285 kgf*cm, 20 ft.*lbf)

HINT:

First install the black colored bolt and then the remaining 5 bolts.



3. INSTALL FLYWHEEL HOUSING UNDER COVER



4. INSTALL ENGINE MOUNTING MEMBER SUB-ASSEMBLY CENTER

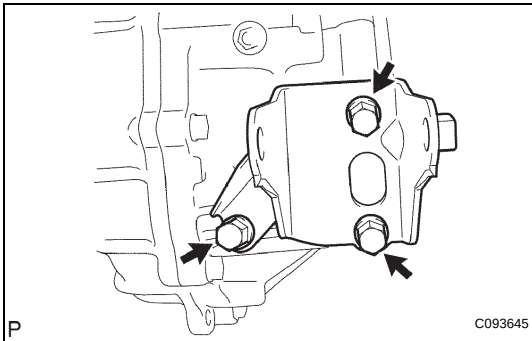
- (a) Install the dynamic damper, member sub-assembly center with engine mounting insulator front and 4 bolts.

Torque: Bolt A

52 N*m (530 kgf*cm, 38 ft.*lbf)

Bolt B

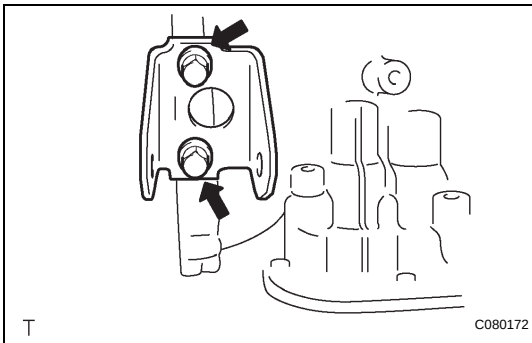
60 N*m (612 kgf*cm, 44 ft.*lbf)



5. INSTALL ENGINE MOUNTING BRACKET REAR

- (a) Install the engine mounting bracket rear to the automatic transaxle with the 3 bolts.

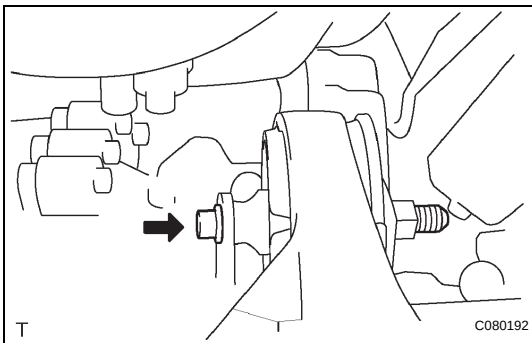
Torque: 64 N*m (652 kgf*cm, 47 ft.*lbf)



6. INSTALL ENGINE MOUNTING BRACKET FRONT

- (a) Install the engine mounting bracket front to the automatic transaxle with the 2 bolts.

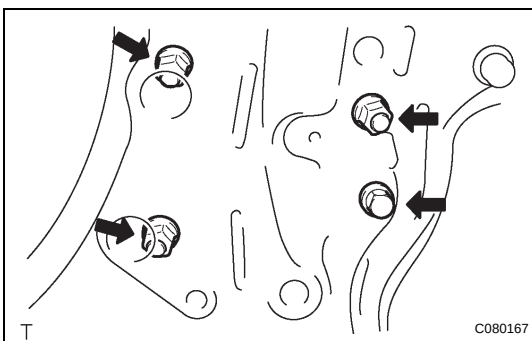
Torque: 64 N*m (652 kgf*cm, 47 ft.*lbf)



7. INSTALL ENGINE MOUNTING INSULATOR REAR

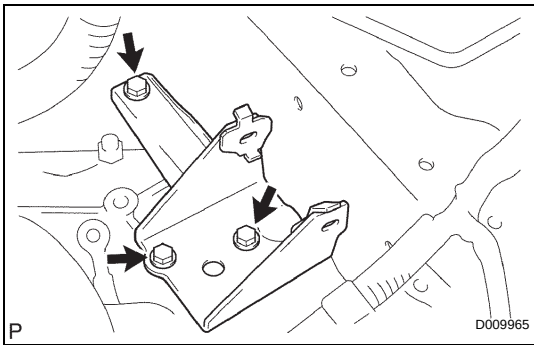
- (a) Install the engine mounting insulator rear and bolt to the engine mounting bracket rear.

Torque: 65 N*m (662 kgf*cm, 48 ft.*lbf)



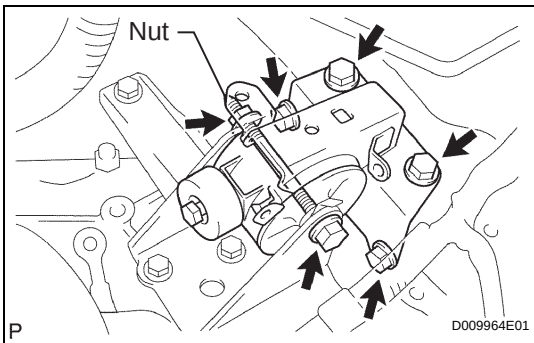
- (b) Tighten the 3 nuts and bolt.

Torque: 52 N*m (530 kgf*cm, 38 ft.*lbf)

**8. INSTALL ENGINE MOUNTING BRACKET LH**

- (a) Install the engine mounting bracket LH to the automatic transaxle with the 3 bolts.

Torque: 52 N*m (530 kgf*cm, 38 ft.*lbf)

**9. INSTALL ENGINE MOUNTING INSULATOR LH**

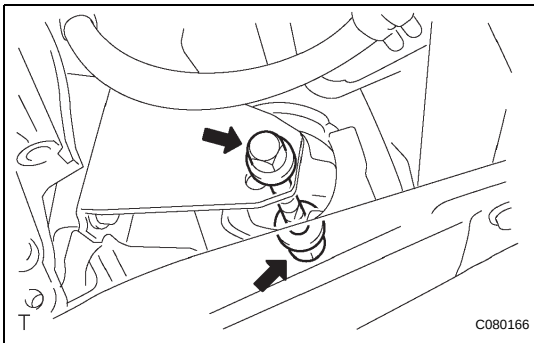
- (a) Install the engine mounting insulator LH with the 5 bolts and nut.

Torque: Bolt

52 N*m (530 kgf*cm, 38 ft.*lbf)

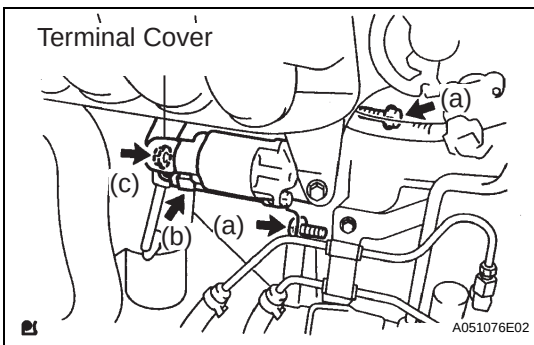
Nut

80 N*m (815 kgf*cm, 59 ft.*lbf)

**10. INSTALL ENGINE MOUNTING INSULATOR FRONT**

- (a) Install to the engine mounting bracket front with the bolt and nut.

Torque: 52 N*m (530 kgf*cm, 38 ft.*lbf)

**11. INSTALL STARTER ASSEMBLY**

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

Torque: 39 N*m (400 kgf*cm, 29 ft.*lbf)

- (b) Connect the starter connector.

- (c) Install the starter wire and nut.

Torque: 9.8 N*m (100 kgf*cm, 7 ft.*lbf)

- (d) Close the terminal cover.

12. INSTALL AUTOMATIC TRANSMISSION CASE PROTECTOR

- (a) Install the case protector with the 2 bolts.

Torque: 18 N*m (182 kgf*cm, 14 ft.*lbf)

13. INSTALL FRONT DRIVE SHAFT ASSEMBLY LH

HINT:

(See page [DS-12](#))

14. INSTALL FRONT DRIVE SHAFT ASSEMBLY RH

HINT:

(See page [DS-12](#))

15. INSTALL EXHAUST PIPE ASSEMBLY FRONT

HINT:

(See page [EX-3](#))

16. INSTALL ENGINE UNDER COVER LH**17. INSTALL ENGINE UNDER COVER RH****18. INSTALL FRONT WHEELS**

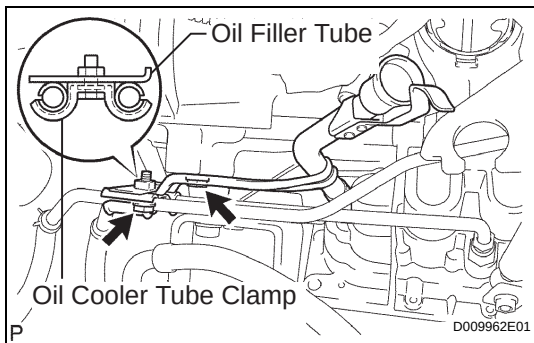
Torque: 103 N*m (1,050 kgf*cm, 76 ft.*lbf)

19. INSTALL OXYGEN SENSOR CONNECTOR

- (a) Connect the oxygen sensor connector.
- (b) Install the floor carpet and foot rest.

20. INSTALL TRANSMISSION OIL FILLER TUBE SUB-ASSEMBLY

- (a) Temporarily install the oil cooler outlet tube No. 1.
- (b) Temporarily install the oil cooler inlet tube No. 1.
- (c) Coat a new O-ring with ATF, and install them to the oil filler tube.
- (d) Install the oil filler tube to the automatic transaxle.
- (e) Install the oil cooler tube clamp with the 2 bolts.
Torque: 5.5 N*m (56 kgf*cm, 49 in.*lbf)
- (f) Install the ATF lever gauge.

**21. INSTALL OIL COOLER OUTLET TUBE NO.1**

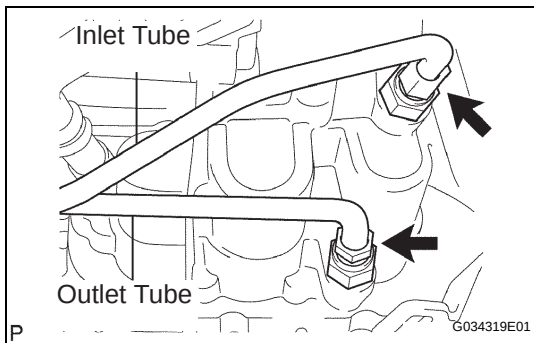
- (a) Tighten the oil cooler outlet tube No. 1.
Torque: 35 N*m (350 kgf*cm, 25 ft.*lbf)

22. INSTALL OIL COOLER INLET TUBE NO.1

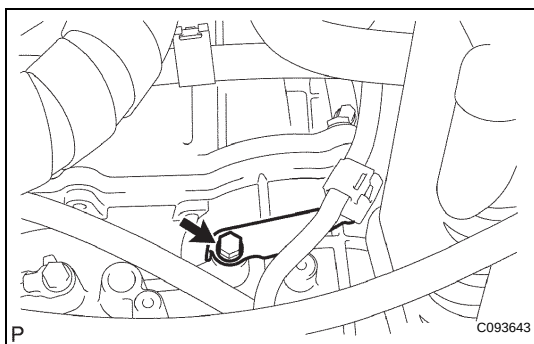
- (a) Tighten the oil cooler inlet tube No. 1.
Torque: 35 N*m (350 kgf*cm, 25 ft.*lbf)

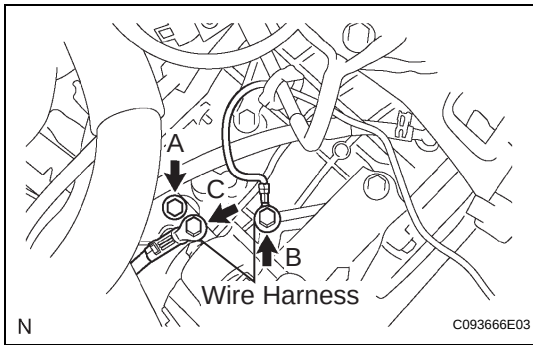
23. CONNECT CONNECTOR

- (a) Connect the transmission wire connector.
- (b) Connect the park / neutral position switch connector.
- (c) w/o ABS:
Connect the speedometer sensor connector.

**24. INSTALL WIRE HARNESS**

- (a) Install the wire harness clamp bracket with the bolt.
Torque: 13 N*m (130 kgf*cm, 9 ft.*lbf)





- (b) Install the wire harness clamp bracket and 2 wire harnesses with the 3 bolts.

Torque: Bolt A

26 N*m (260 kgf*cm, 19 ft.*lbf)

Bolt B

10 N*m (102 kgf*cm, 7 ft.*lbf)

Bolt C

13 N*m (132 kgf*cm, 10 ft.*lbf)

25. INSTALL TRANSMISSION CONTROL CABLE BRACKET NO.1

- (a) Install the control cable bracket with the 2 bolts.

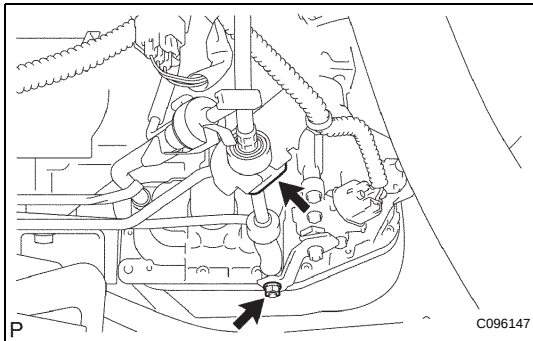
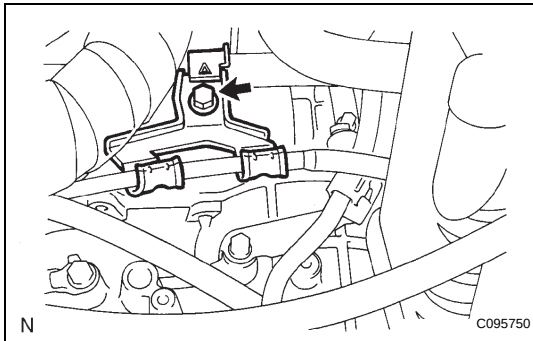
Torque: 12 N*m (122 kgf*cm, 9 ft.*lbf)

26. INSTALL TRANSMISSION CONTROL CABLE SUPPORT

- (a) Install the control cable support with the bolt.

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

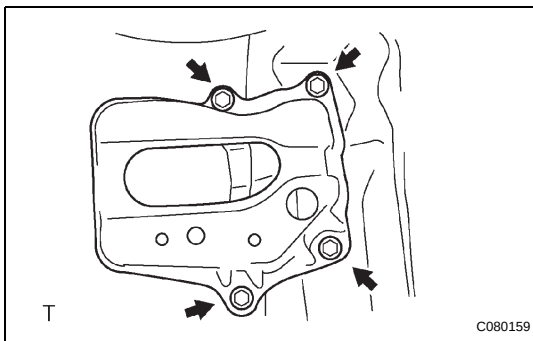
- (b) Connect the control cable and wire harness to the control cable support.



27. INSTALL TRANSMISSION CONTROL CABLE SUB-ASSEMBLY

- (a) Temporarily install the control cable to the control shaft lever with the nut.

- (b) Install the control cable and clip to the bracket.



28. INSTALL BATTERY CARRIER

- (a) Install the battery carrier with the 4 bolts.

Torque: 13 N*m (132 kgf*cm, 10 ft.*lbf)

29. INSTALL BATTERY

30. INSTALL AIR CLEANER ASSEMBLY WITH HOSE

Torque: 7.0 N*m (71 kgf*cm, 62 in.*lbf)

31. INSTALL CYLINDER HEAD COVER NO.2

Torque: 7.0 N*m (71 kgf*cm, 62 in.*lbf)

32. INSTALL HOOD SUB-ASSEMBLY

Torque: 13 N*m (132 kgf*cm, 10 ft.*lbf)

33. INSPECT HOOD SUB-ASSEMBLY

34. ADJUST HOOD SUB-ASSEMBLY

35. ADD AUTOMATIC TRANSAXLE FLUID

Fluid type:

T-IV

Capacity:

3.0 liters (3.2 US qts, 2.6 Imp.qts)

36. INSPECT AUTOMATIC TRANSAXLE FLUID

HINT:

(See page [AX-71](#))**37. ADJUST SHIFT LEVER POSITION (See page [AX-112](#))****38. INSPECT SHIFT LEVER POSITION (See page [AX-111](#))****39. INSPECT FRONT WHEEL ALIGNMENT**

HINT:

(See page [SP-4](#))**40. CHECK ABS SPEED SENSOR SIGNAL (w/ ABS)**

HINT:

- with VSC (See page [BC-7](#))
- without VSC (See page [BC-83](#))

41. RESET MEMORY

HINT:

(See page [AX-14](#))