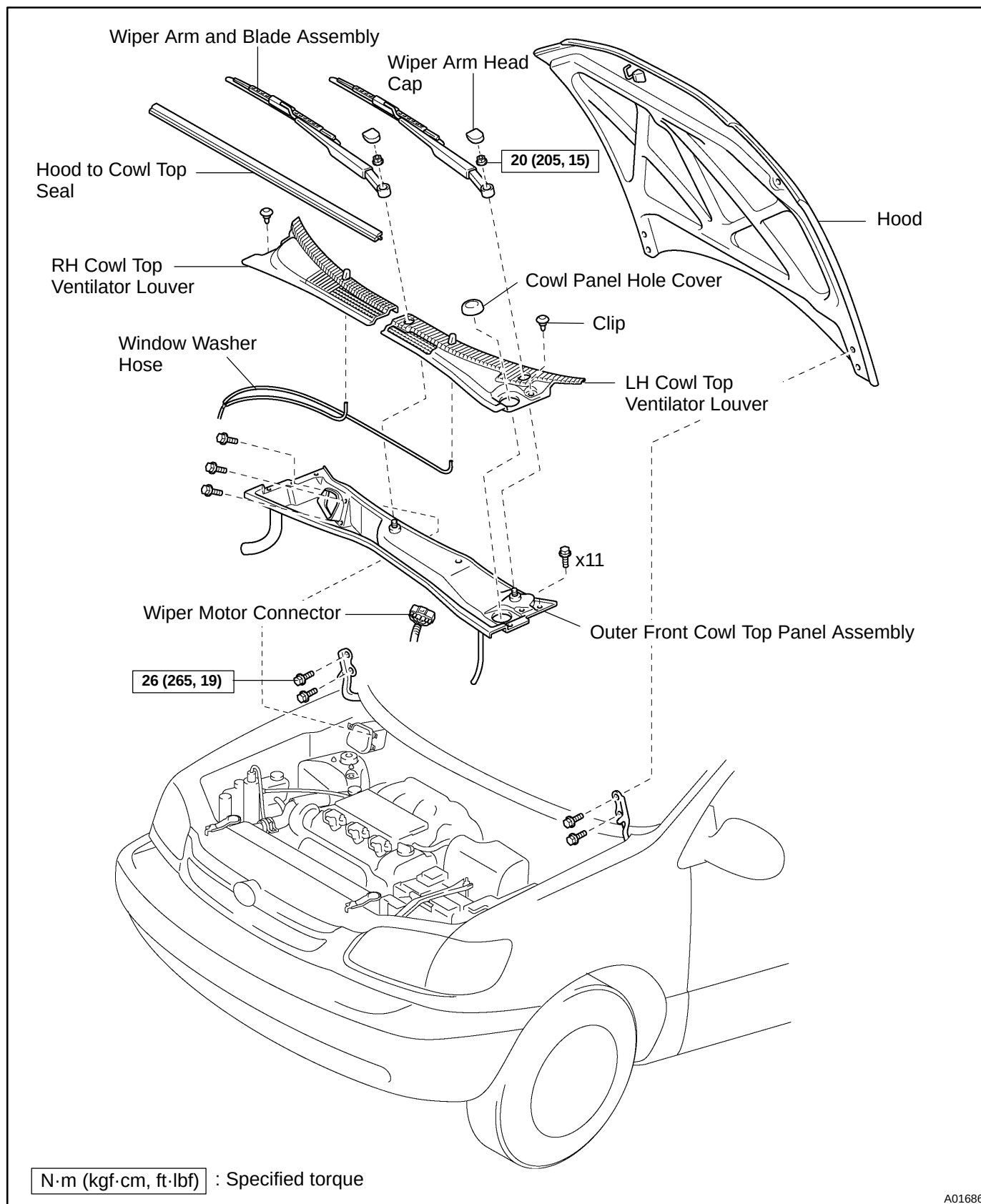
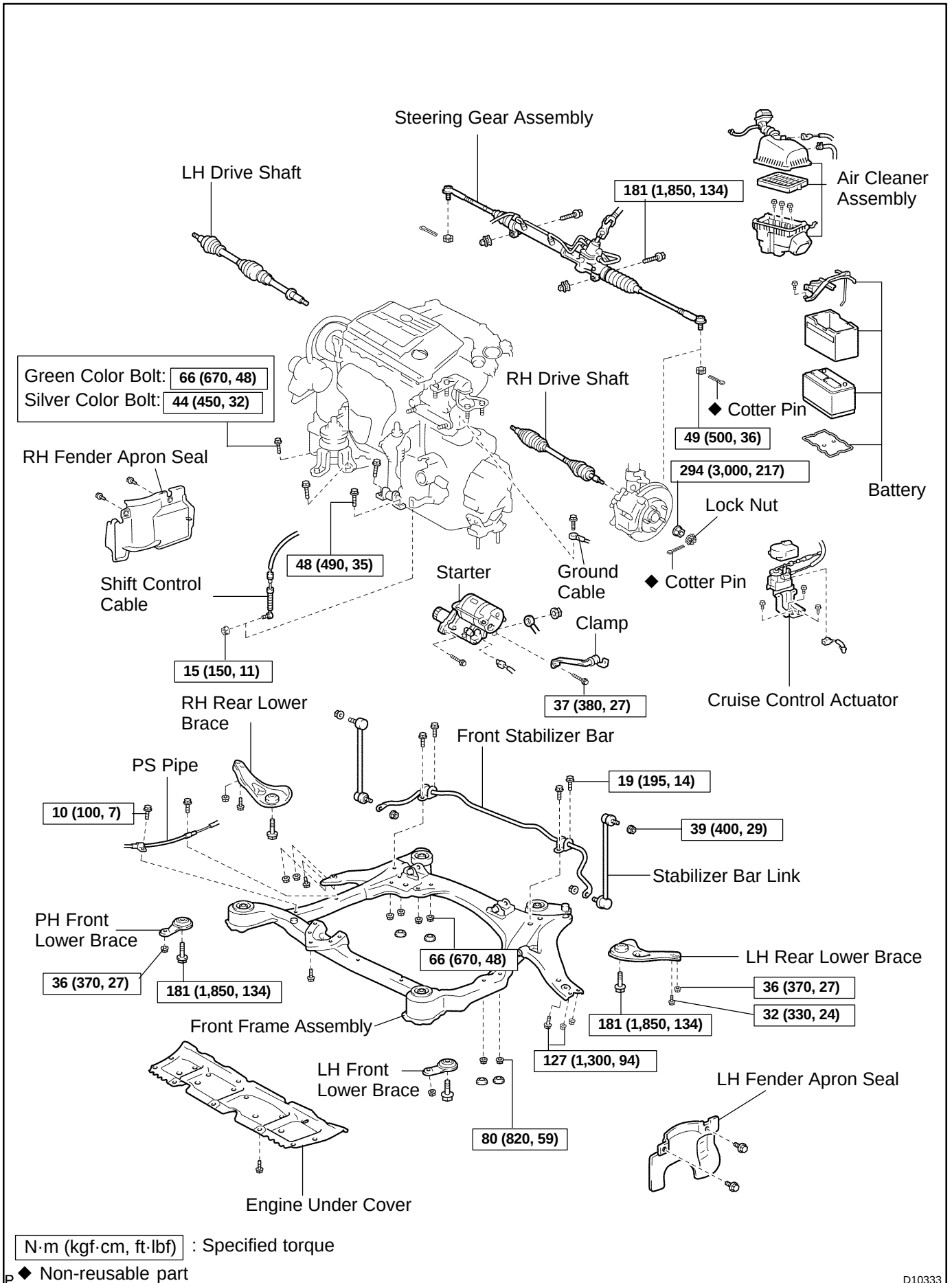


AUTOMATIC TRANSAXLE UNIT COMPONENTS

AX04F-03



A01686

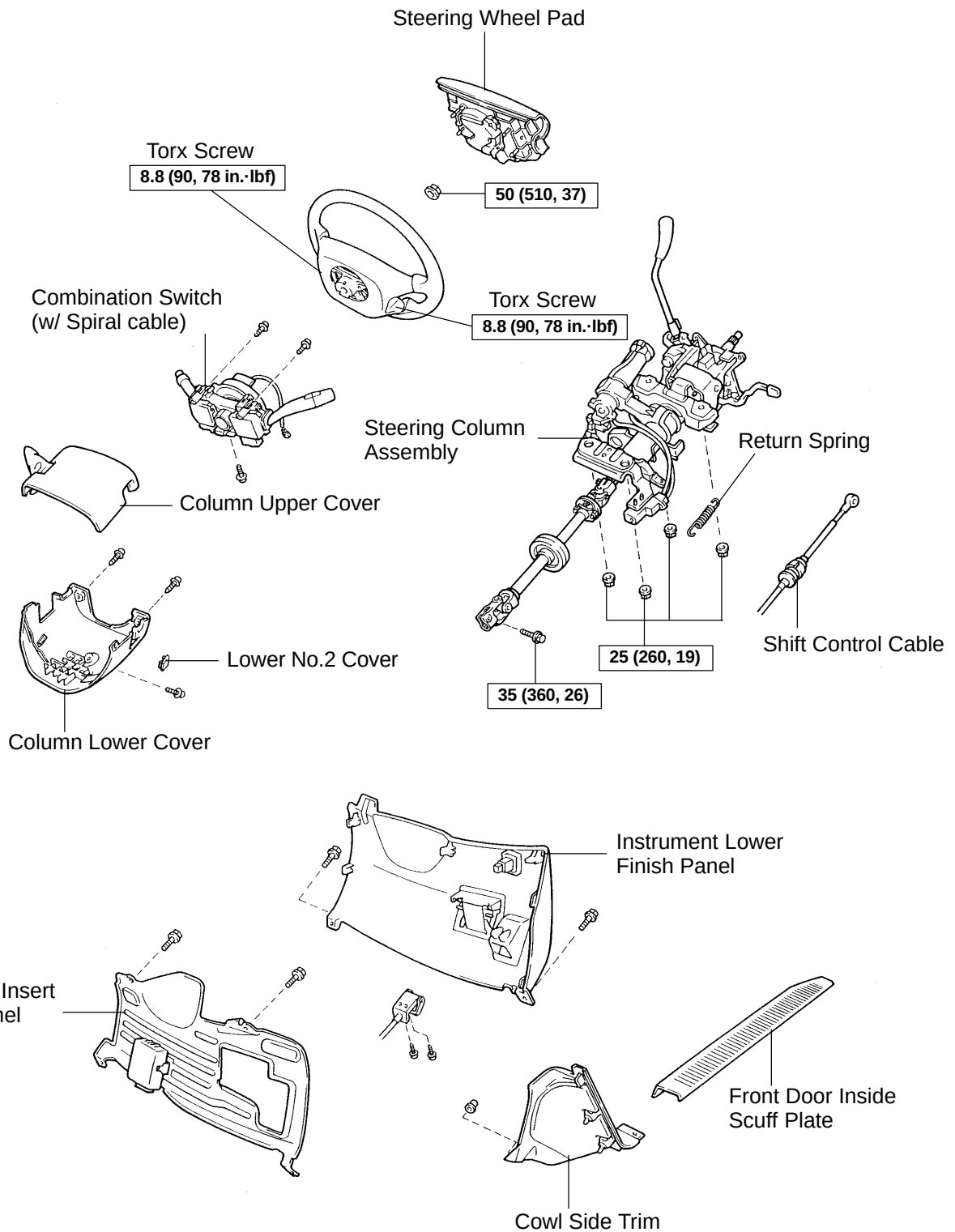


D10333



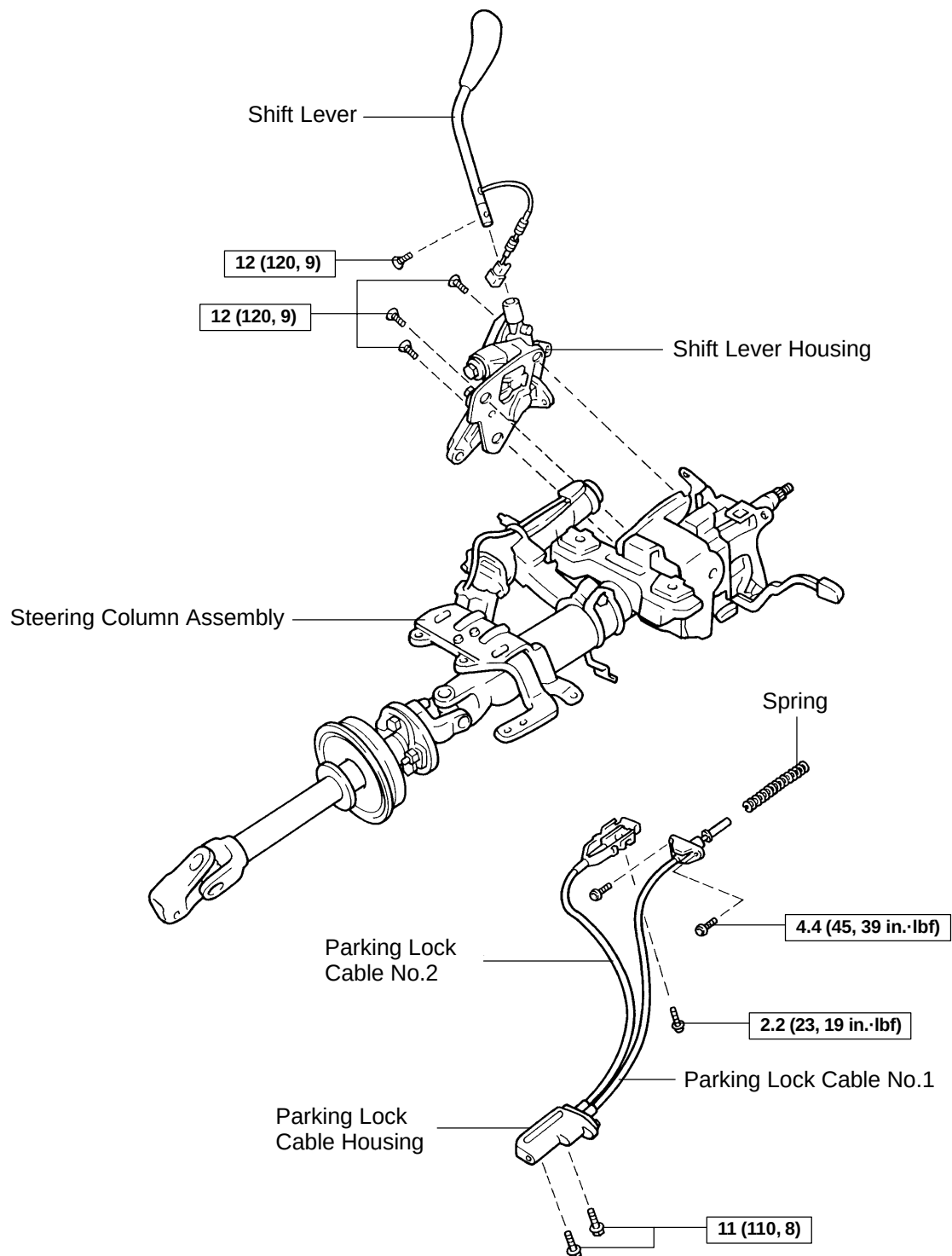
COLUMN SHIFT ASSEMBLY COMPONENTS

AX04C-04



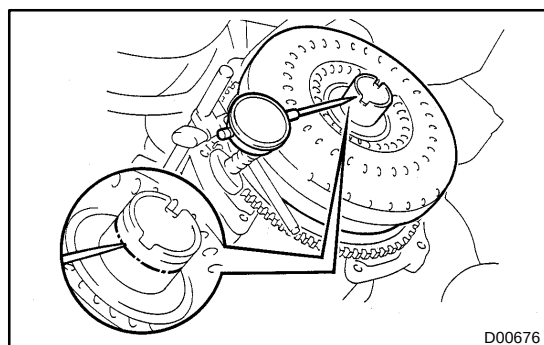
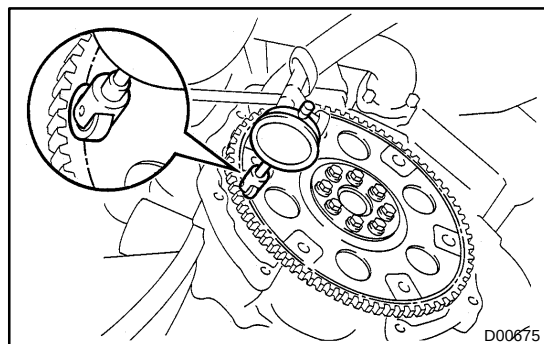
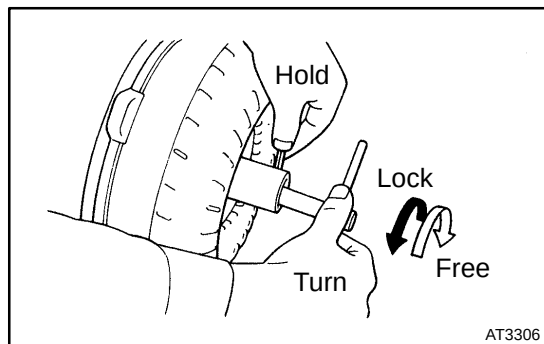
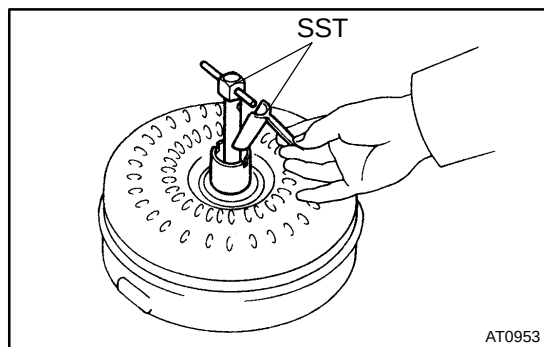
N·m (kgf·cm, ft·lbf) : Specified torque

D02027



N·m (kgf·cm, ft·lbf) : Specified torque

D01997



TORQUE CONVERTER CLUTCH AND DRIVE PLATE INSPECTION

AX041-01

1. INSPECT ONE-WAY CLUTCH

- Install SST into the inner race of the one-way clutch.
SST 09350-32014 (09351-32010)
- Install SST so that it fits in the notch of the converter hub and outer race of the one-way clutch.
SST 09350-32014 (09351-32020)
- With the torque converter clutch setting up on its side, check that the clutch locks when turned counterclockwise, and rotates smoothly clockwise.

If necessary, clean the converter and retest the clutch.
Replace the converter if the clutch still fails the test.

2. MEASURE DRIVE PLATE RUNOUT AND INSPECT RING GEAR

- Set up a dial indicator and measure the drive plate runout.
- Check the damage of the ring gear.

Maximum runout: 0.20 mm (0.0079 in.)

If the runout is not within the specification or ring gear is damaged, replace the drive plate.

Torque: 83 N·m (850 kgf·cm 61 ft·lbf)

3. MEASURE TORQUE CONVERTER CLUTCH SLEEVE RUNOUT

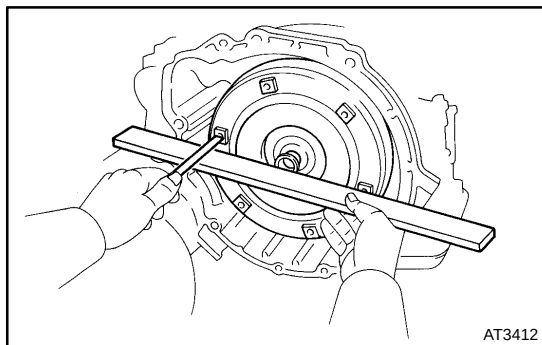
Temporarily mount the torque converter clutch on the drive plate. Set a dial indicator and measure the torque converter clutch sleeve runout.

Maximum runout: 0.30 mm (0.0118 in.)

If the runout is not within the specification, try to correct by reorienting the installation of the converter.

HINT:

Mark the position of the converter clutch to ensure the installation is correctly performed.



INSTALLATION

1. CHECK TORQUE CONVERTER CLUTCH INSTALLATION

Using calipers and a straight edge, measure the distance between the installed surface and the front surface of the transaxle housing.

Correct distance: More than 13.7 mm (0.539 in.)

2. TRANSAXLE INSTALLATION

Installation is in the reverse order of removal (See page [AX-25](#)).

HINT:

- After installation, adjust the throttle cable, the shift cable and the park/neutral position switch (See page [DI-157](#)).
- Fill ATF and check fluid level (See page [DI-157](#)).
- Perform the test drive of the vehicle.

INSTALLATION

1. INSTALL SHIFT LEVER HOUSING

Install the shift lever housing with the 3 screws.

Torque: 12 N·m (120 kgf·cm, 9 ft·lbf)

2. INSTALL SHIFT LEVER

Install the shift lever with torx screw.

Torque: 12 N·m (120 kgf·cm, 9 ft·lbf)

3. INSTALL PARKING LOCK CABLE NO.1 AND NO.2

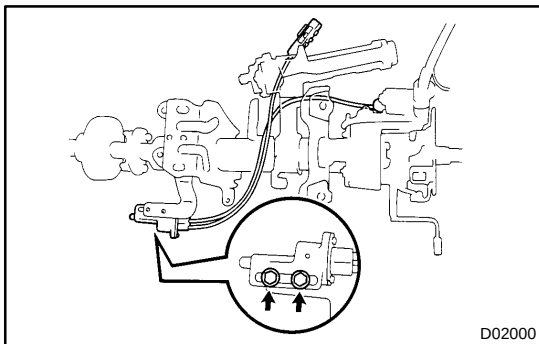
- (a) Apply MP grease on the lock pin and internal surface of shift lever housing.
- (b) Install the spring and parking lock cable No.1 into the shift lever housing.

NOTICE:

Be careful not to bend or twist the cable abnormally.

- (c) Using a torx socket wrench, install the 2 screws.

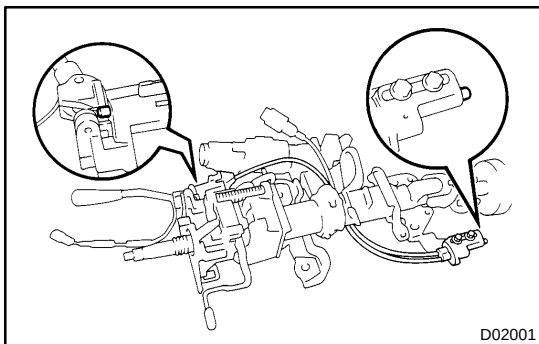
Torque: 4.4 N·m (45 kgf·cm, 39 in·lbf)



- (d) Wire the cable No.1 and No.2 as shown illustration.
- (e) Install the cable housing to steering column assembly with 2 bolts temporarily.

NOTICE:

Be careful not to bend or twist the cable abnormally.

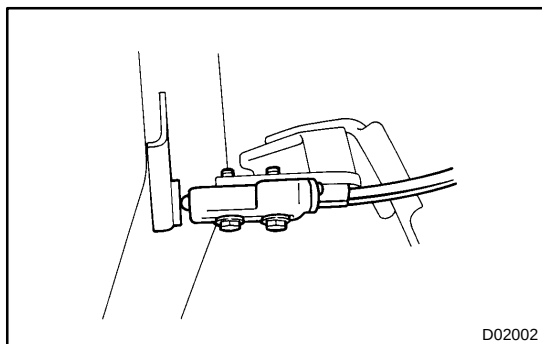


- (f) After installation, confirm the following items.
 - (1) When the shift lever is at P position and the pedal button is pushed by 7 mm (0.28 in.), shift lever should be locked by lock pin.
 - (2) When the pedal button is released, the shift lever should be able to be shifted from P position to other positions.
 - (3) When the shift lever is N or D positions and the pedal button is pushed by 7 mm (0.28 in.), the shift lever should be able to be shifted.
- (g) Install the cable No.2 to column upper bracket with the clip.
- (h) Install the cable end to the sliding block of the column upper bracket with the screw.

Torque: 2.2 N·m (23 kgf·cm, 19 in·lbf)
- (i) After installation, check the following items.
 - (1) When the pedal button is pushed, shift lever should be locked.
 - (2) When the pedal button is released, shift lever should be unlocked.

4. INSTALL STEERING COLUMN ASSEMBLY
(See page [SR-20](#))**5. ADJUST CABLE HOUSING**

- (a) Shift the shift lever to the P position.
- (b) Turn the ignition key to LOCK.



- (c) Loosen the 2 bolts and adjust the cable housing.

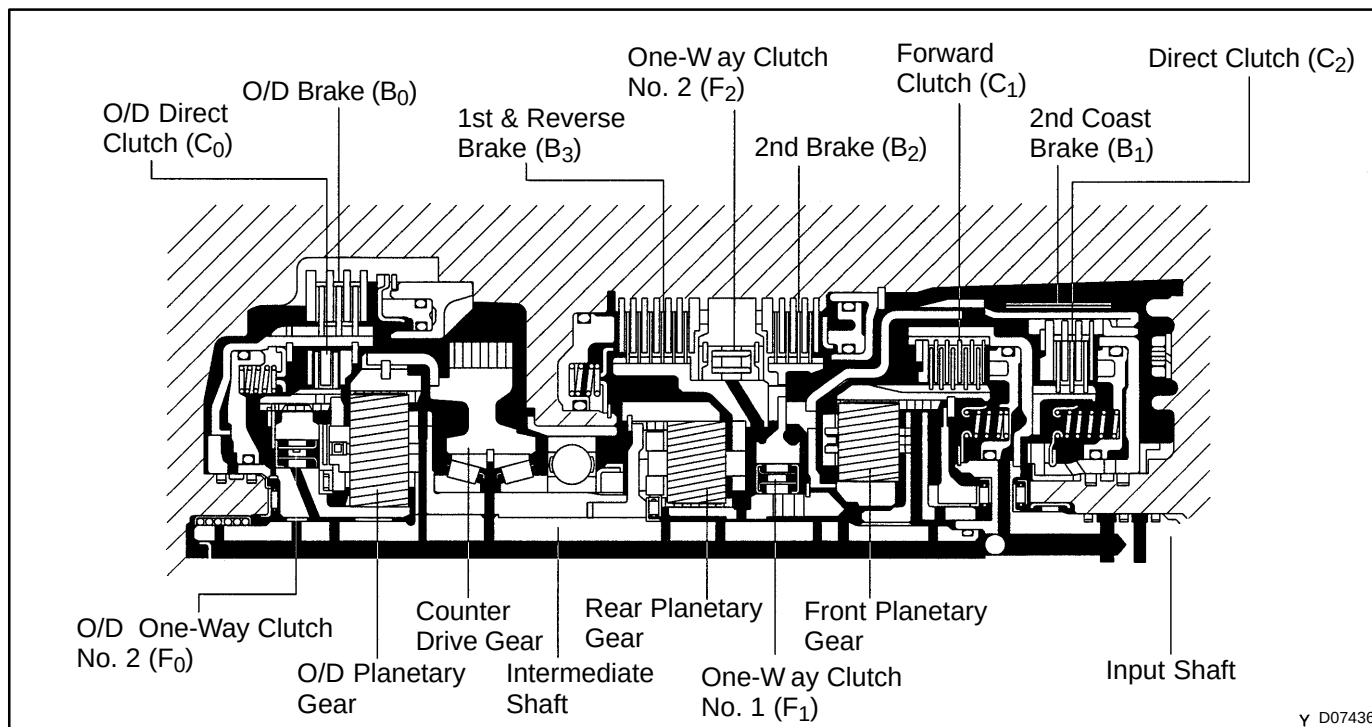
HINT:

- Pedal button should touch the pedal plate cushion.
 - Brake pedal should not be moved by the pedal button.
- (d) Torque the 2 bolts.

Torque: 11 N·m (110 kgf·cm, 8 ft·lbf)**6. CONFIRMATION OF SHIFT LOCK SYSTEM OPERATION**

- (a) Only when the brake pedal is engaged and the ignition key is not at LOCK, should the shift lever be able to be shifted from P position to other positions.
When the shift lever is at P position and the brake pedal is released, the shift lever should not be able to be shifted from P position to other positions.
- (b) When the shift lever is not at P position, the ignition key should not be able to be turned to LOCK.
Once when the shift lever is at P position, should the ignition key be able to be removed.
- (c) Cable No.1 and No.2 should not be deformed by other parts located around the steering column.

OPERATION

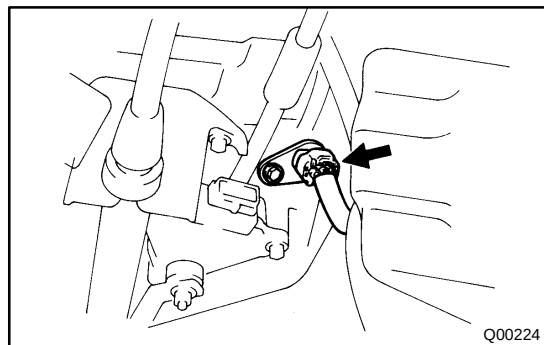


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○ ... Operating

Shift lever position	Gear position	C ₀	C ₁	C ₂	B ₀	B ₁	B ₂	B ₃	F ₀	F ₁	F ₂
P	Parking	○									
R	Reverse	○		○				○			
N	Neutral	○									
D	1st	○	○						○		○
	2nd	○	○				○		○	○	
	3rd	○	○	○			○		○		
	O/D		○	○	○		○				
2	1st	○	○						○		○
	2nd	○	○			○	○		○	○	
	*3rd	○	○	○			○		○		
L	1st	○	○					○	○		○
	*2nd	○	○			○	○		○	○	

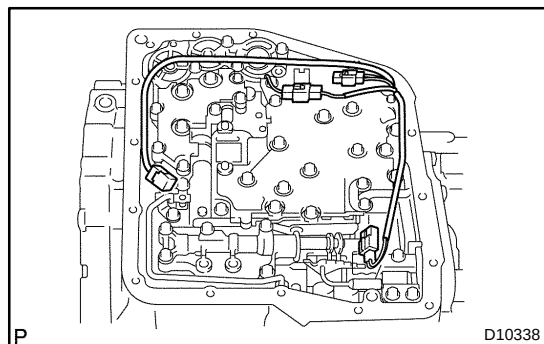
*Down-shift only - no up-shift



ATF TEMPERATURE SENSOR ON-VEHICLE REPAIR

AX111-01

1. DISCONNECT SOLENOID CONNECTOR
2. REMOVE VALVE BODY (See page [AX-6](#))

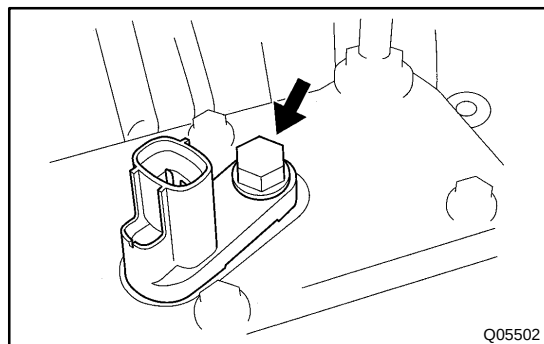


3. REMOVE SOLENOID WIRE
 - (a) Remove the bolt and solenoid wire.
 - (b) Remove the O-ring.
4. INSTALL SOLENOID WIRE
 - (a) Install a new O-ring to the solenoid wire.
 - (b) Coat the O-ring with ATF.
 - (c) Install the solenoid wire with the bolt.
Torque: 9.8 N·m (100 kgf·cm, 7 ft·lbf)
5. INSTALL VALVE BODY (See page [AX-6](#))
6. CONNECT SOLENOID CONNECTOR
7. FILL ATF AND CHECK ATF LEVEL
(See page [DI-157](#))

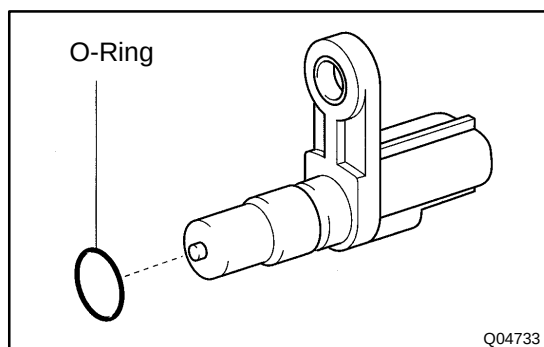
DIRECT CLUTCH SPEED SENSOR ON-VEHICLE REPAIR

AX11H-01

1. REMOVE AIR CLEANER ASSEMBLY
2. DISCONNECT DIRECT CLUTCH SPEED SENSOR CONNECTOR



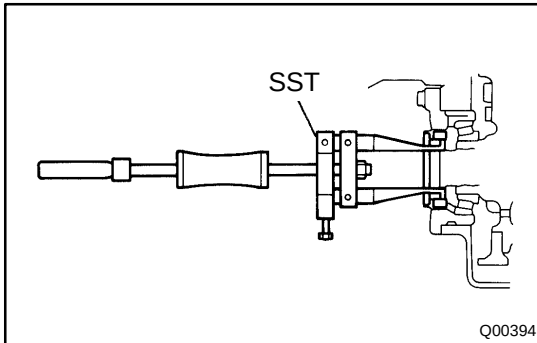
3. REMOVE DIRECT CLUTCH SPEED SENSOR
- (a) Remove the bolt and direct clutch speed sensor.



- (b) Remove the O-ring from the direct clutch speed sensor.
4. **INSTALL DIRECT CLUTCH SPEED SENSOR**
- (a) Coat a new O-ring with ATF and install it to the direct clutch speed sensor.
- (b) Install the direct clutch speed sensor with the bolt.
Torque: 11 N·m (110 kgf·cm, 8 ft·lbf)
5. **CONNECT DIRECT CLUTCH SPEED SENSOR CONNECTOR**
6. **INSTALL AIR CLEANER ASSEMBLY**

DIFFERENTIAL OIL SEAL ON-VEHICLE REPAIR

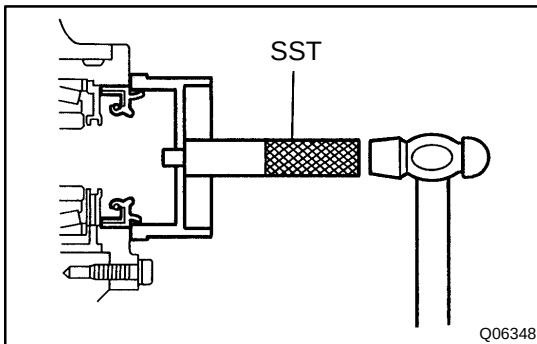
1. REMOVE DRIVE SHAFT (See page SA-16)



2. REMOVE SIDE GEAR SHAFT OIL SEAL

Using SST, pull out the oil seal.

SST 09308-00010



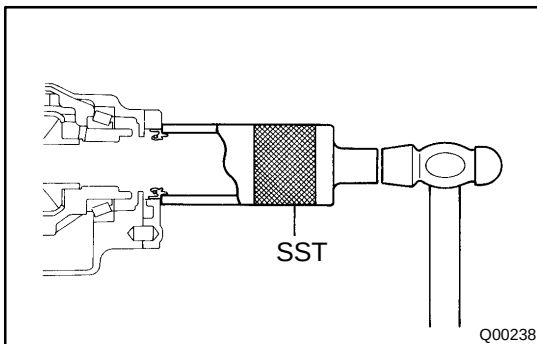
3. INSTALL LEFT SIDE GEAR SHAFT OIL SEAL

(a) Using SST and a hammer, drive in a new oil seal.

SST 09223-15020, 09351-32014 (09351-32130)

Oil seal depth: 0 ± 0.5 mm (0 ± 0.02 in.)

(b) Coat the lip of the oil seal with MP grease.



4. INSTALL RIGHT SIDE GEAR SHAFT OIL SEAL

(a) Using SST and hammer, drive in a new oil seal.

SST 09316-6001 1 (09316-00011)

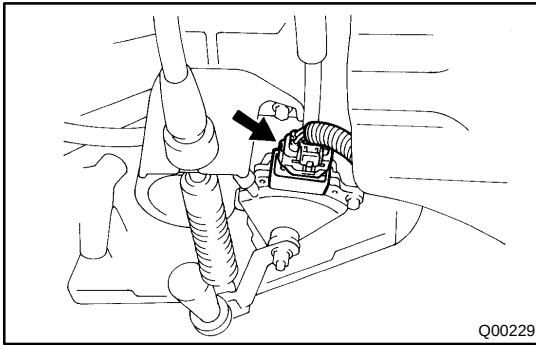
Oil seal depth: 0 ± 0.5 mm (0 ± 0.02 in.)

(b) Coat the lip of the oil seal with MP grease.

5. INSTALL DRIVE SHAFT (See page SA-23)

6. CHECK ATF AND CHECK FLUID LEVEL

(See page DI-157)

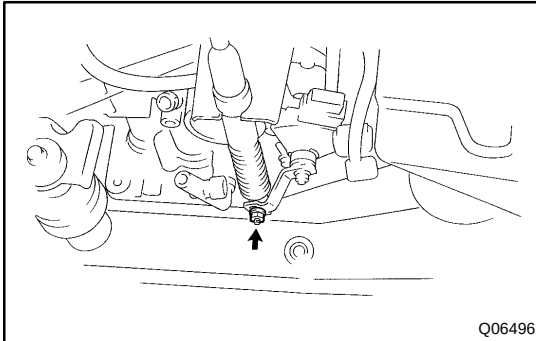


PARK/NEUTRAL POSITION (PNP) SWITCH

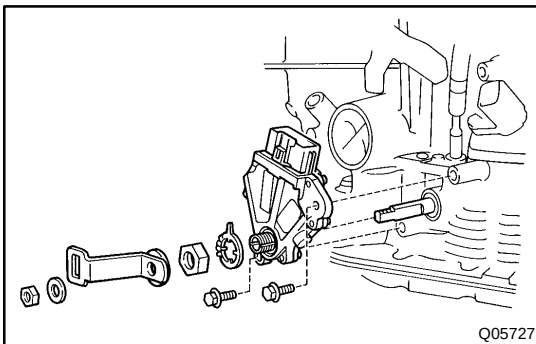
AX045-03

ON-VEHICLE REPAIR

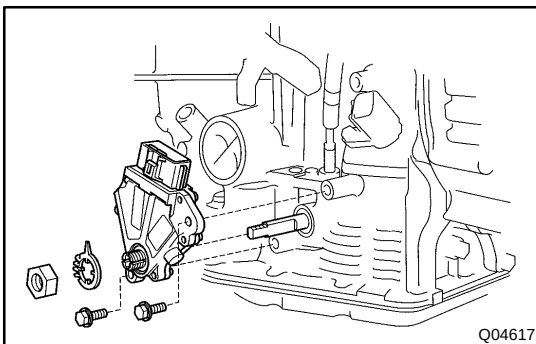
1. REMOVE ENGINE UNDER COVER
2. DISCONNECT PARK/NEUTRAL POSITION SWITCH CONNECTOR



3. REMOVE PARK/NEUTRAL POSITION SWITCH
 - (a) Remove the nut and disconnect the shift control cable.

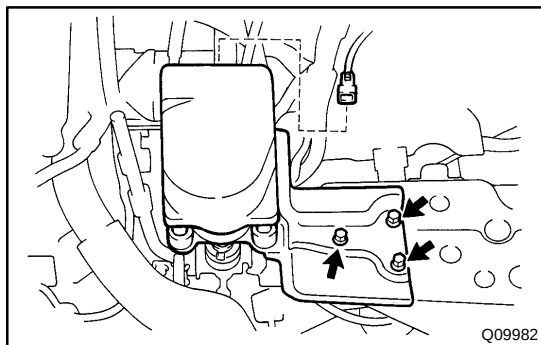


- (b) Remove the nut, washer and control shaft lever.
 - (c) Pry off the lock plate and remove the nut and lock plate.
 - (d) Remove the 2 bolts and park/neutral position switch.



4. INSTALL AND ADJUST PARK/NEUTRAL POSITION SWITCH
 - (a) Install the park/neutral position switch with the 2 bolts.
Torque: 5.4 N·m (55 kgf·cm, 48 in·lbf)
 - (b) Install a new lock plate and nut.
Torque: 6.9 N·m (70 kgf·cm, 61 in·lbf)
 - (c) Bend the claws on the lock plate to fix the nut.
 - (d) Install the control shaft lever.
Torque: 13 N·m (130 kgf·cm, 9 ft·lbf)
 - (e) Connect the shift control cable and install the nut.
Torque: 15 N·m (150 kgf·cm, 11 ft·lbf)
5. CONNECT PARK/NEUTRAL POSITION SWITCH CONNECTOR
6. CHECK PARK/NEUTRAL POSITION OPERATION

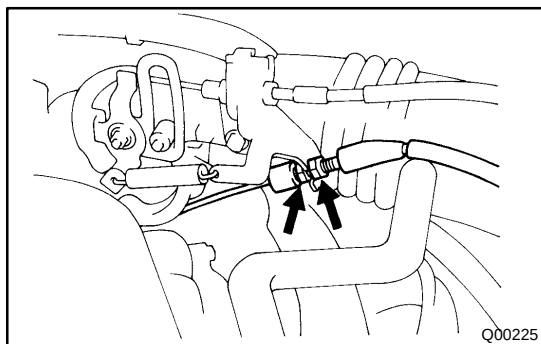
Check that the engine can be started with the shift lever only in the N or P position, but not in other positions.
If not as stated above, carry out the adjustment procedure (See page [DI-157](#)).
7. INSTALL ENGINE UNDER COVER
8. TEST DRIVE VEHICLE



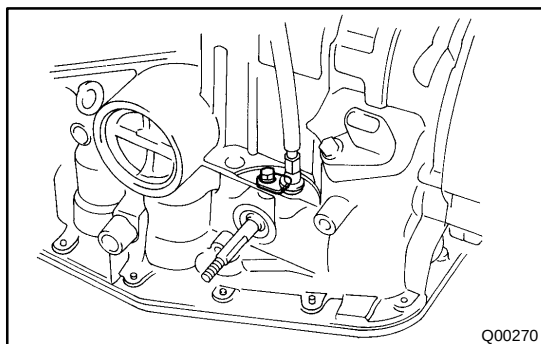
THROTTLE CABLE ON-VEHICLE REPAIR

AX0CK-02

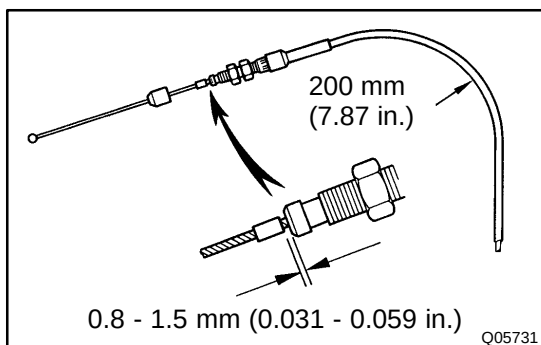
1. **w/ Cruise control system:**
REMOVE CRUISE CONTROL ACTUATOR
 - (a) Remove the battery.
 - (b) Disconnect the connector, remove the 3 bolts and cruise control actuator.



2. **DISCONNECT THROTTLE CABLE**
Loosen the adjusting nut and disconnect the cable from the throttle linkage.
3. **REMOVE PARK/NEUTRAL POSITION SWITCH**
(See page [AX-5](#))
4. **REMOVE VALVE BODY** (See page [AX-6](#))



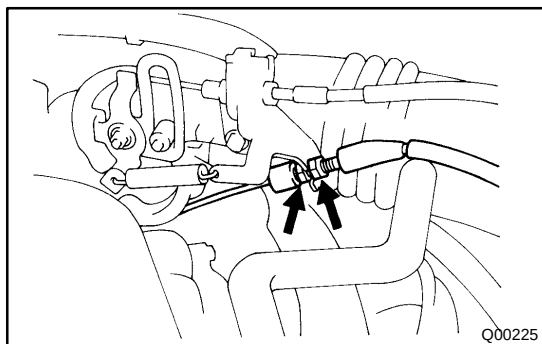
5. **REMOVE THROTTLE CABLE**
 - (a) Remove the bolt and retaining plate.
 - (b) Pull out the cable from the transaxle case.



6. **INSTALL THROTTLE CABLE**
If the throttle cable is new, perform the following operations (a) - (c).
 - (a) Bend the cable so that there is radius of about 200 mm (7.87 in.).
 - (b) Pull the inner cable lightly until the resistance is slightly felt, and hold it there.
 - (c) Stake the stopper, 0.8 - 1.5 mm (0.031 - 0.059 in.) from the end of the outer cable.
 - (d) Install a new O-ring to the throttle cable.
 - (e) Pull in the throttle cable and install the retaining bolt.
Torque: 5.5 N·m (55 kgf·cm, 49 in.·lbf)
7. **INSTALL VALVE BODY** (See page [AX-6](#))
8. **INSTALL PARK/NEUTRAL POSITION SWITCH**
(See page [AX-5](#))

9. w/ Cruise control system:**INSTALL CRUISE CONTROL ACTUATOR**

- (a) Install the cruise control actuator with the 3 bolts and connect the connector.
- (b) Install the battery.

**10. CONNECT THROTTLE CABLE TO ENGINE**

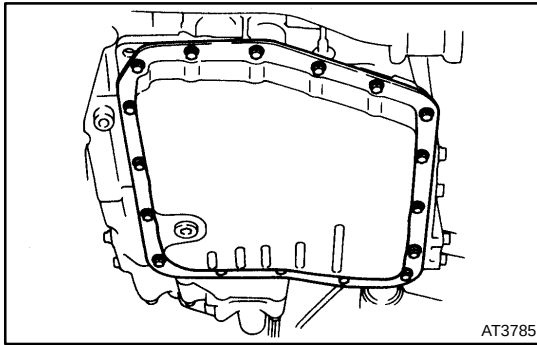
Connect the cable to the throttle linkage.

Torque: 15 N·m (150 kgf·cm, 11 ft·lbf)

11. FILL ATF AND CHECK FLUID LEVEL

(See page [DI-157](#))

12. ADJUST THROTTLE CABLE (See page [DI-157](#))



VALVE BODY ASSEMBLY ON-VEHICLE REPAIR

AX11J-01

1. REMOVE DRAIN PLUG AND DRAIN ATF

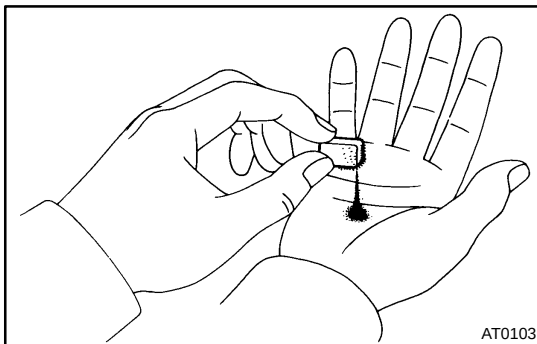
Using a hexagon wrench, remove the drain plug and drain the fluid into the suitable container.

2. REMOVE OIL PAN AND GASKET

Remove the 17 bolts.

NOTICE:

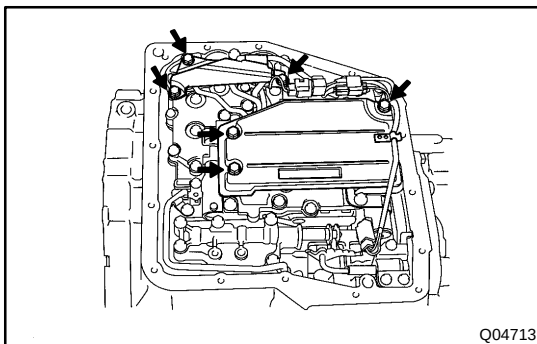
- Some fluid will remain in the oil pan.
 - Remove oil pan bolts, and carefully remove the oil pan assembly.
 - Discard the gasket.
- ### 3. REMOVE 3 MAGNETS FROM OIL PAN



4. EXAMINE PARTICLES IN PAN

Remove the magnets and use them to collect any steel chips. Look at the chips and particles in the pan and magnet carefully to anticipate what type of wear you will find in the transaxle.

- Steel (magnetic): bearing, gear and plate wear
- Brass (non-magnetic): bushing wear



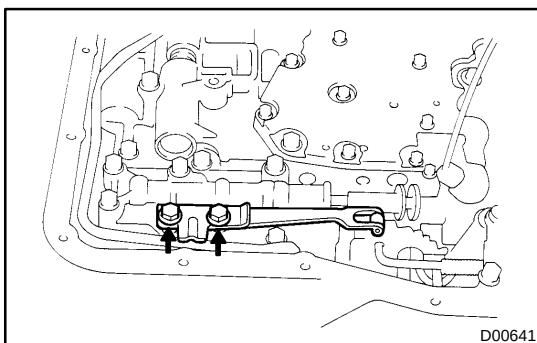
5. REMOVE OIL STRAINER AND OIL PIPE BRACKET

- (a) Remove the 3 bolts and oil strainer.

NOTICE:

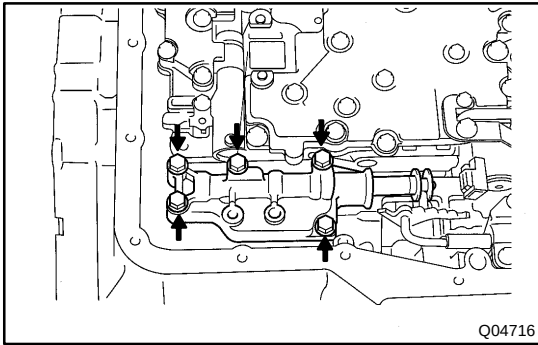
Be careful as oil will come out of the strainer when it is removed.

- (b) Remove the gasket from the oil strainer.
(c) Remove the 3 bolts and oil pipe bracket.

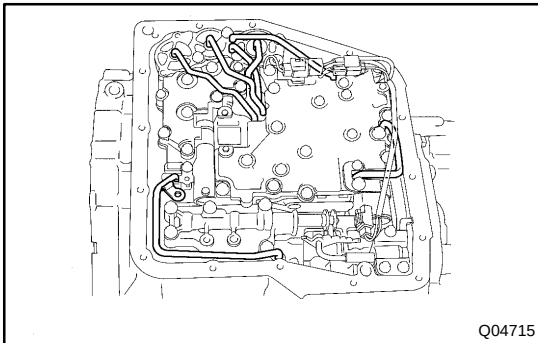


6. REMOVE MANUAL VALVE BODY

- (a) Remove the 2 bolts and detent spring.

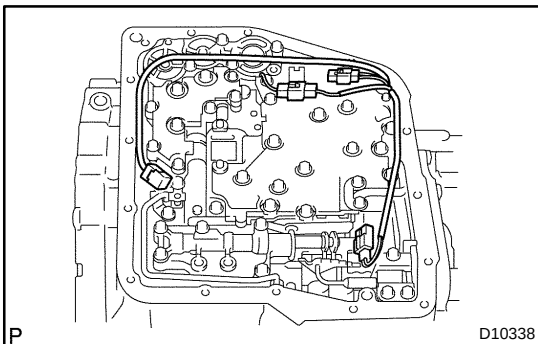


- (b) Remove the 5 bolts and manual valve body with the manual valve.
- (c) Remove the manual valve from the manual valve body.

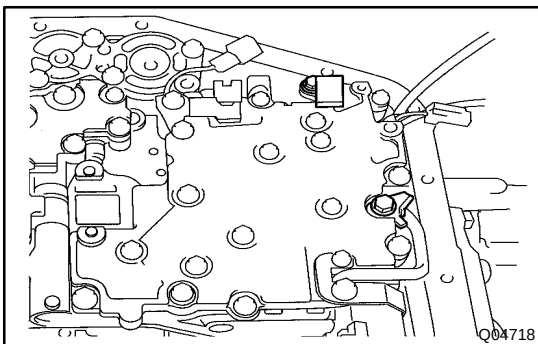


7. REMOVE OIL PIPE

- (a) Remove the bolt.
- (b) Pry up both pipe ends with a large screwdriver and remove the 6 pipes.

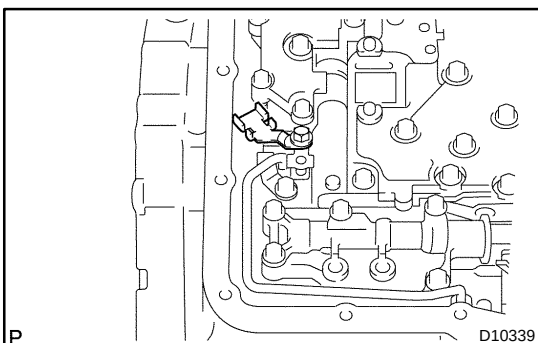


8. DISCONNECT 3 SOLENOID CONNECTORS AND ATF TEMPERATURE SENSOR



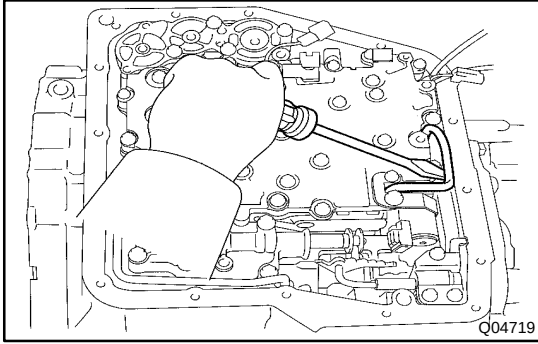
9. REMOVE CONNECTOR CLAMP AND B₃ APPLY PIPE RETAINER

- (a) Remove the bolt and connector clamp.
- (b) Remove the bolt and pipe retainer.

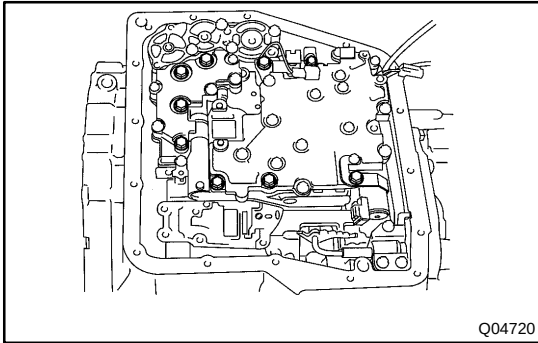


10. REMOVE CLAMP BRACKET

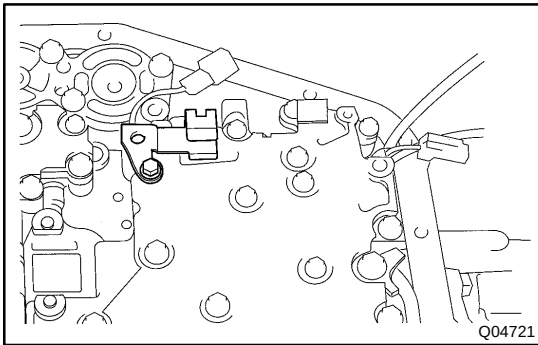
Remove the bolt and clamp bracket.

**11. REMOVE B₃ APPLY PIPE**

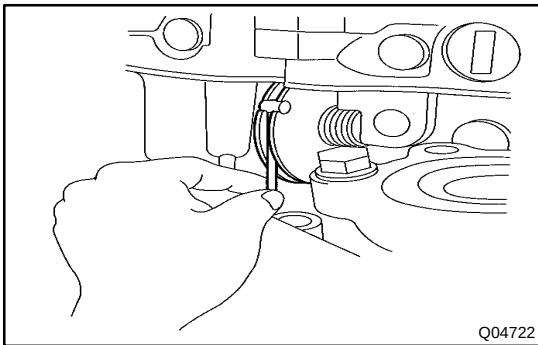
Pry up the pipe with a screwdriver and remove the apply pipe.

**12. REMOVE VALVE BODY**

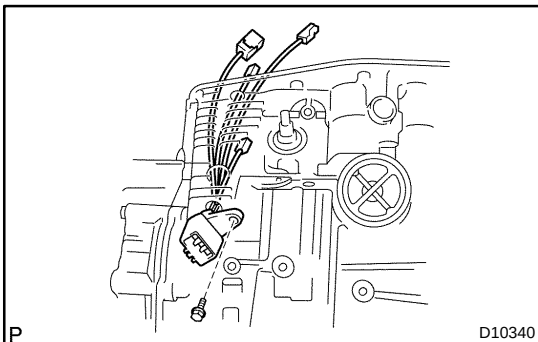
(a) Remove the 9 bolts.



(b) Remove the bolt and wire harness clamp.

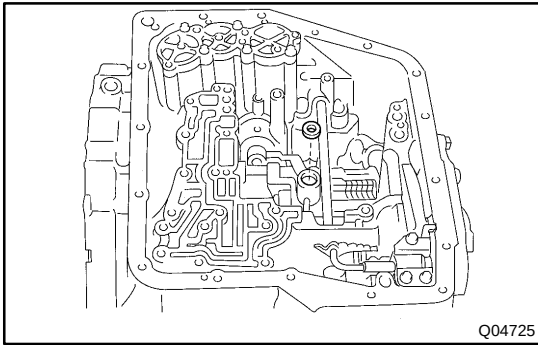


(c) Disconnect the throttle cable from the cam and remove the valve body.

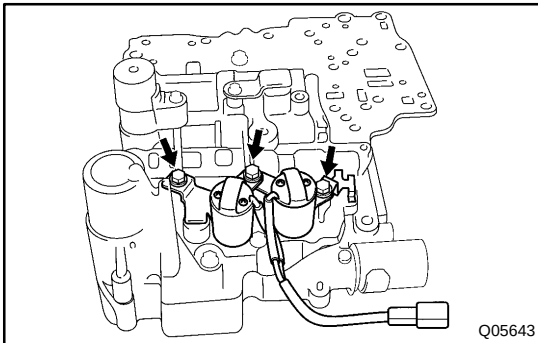
**13. REMOVE SOLENOID WIRE**

(a) Remove the bolt and solenoid wire.

(b) Remove the O-ring.



14. REMOVE 2ND BRAKE APPLY GASKET



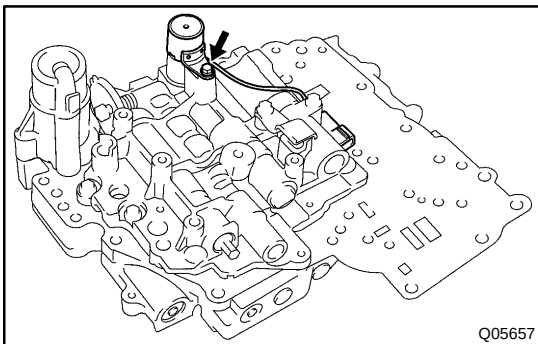
15. REMOVE SOLENOID VALVE

- (a) Remove the 3 bolts and shift solenoid valves No.1 and No.2.

NOTICE:

When removing the solenoid, do not use a screwdriver, etc. to pry up the solenoid.

- (b) Remove the O-ring from each solenoid valve.

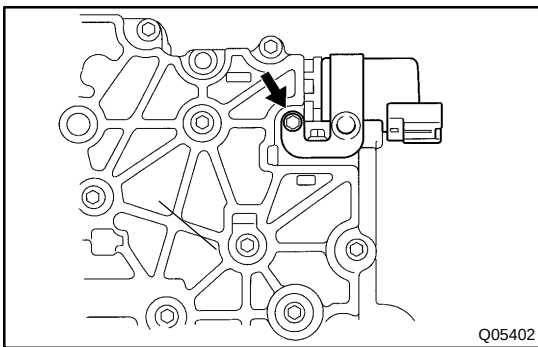


- (c) Remove the bolt and shift solenoid valve SL.
(d) Remove the O-ring from the solenoid valve.

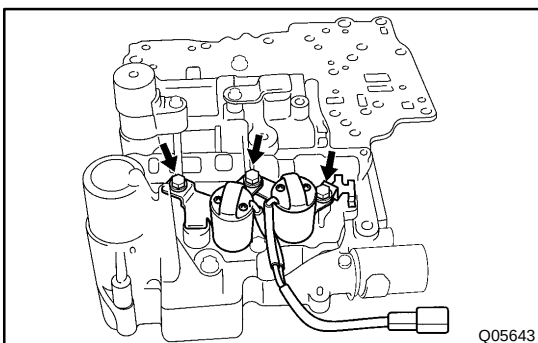
16. INSTALL SHIFT SOLENOID VALVE

- (a) Coat 2 new O-rings with ATF and install them to the shift solenoid valves.
(b) Install the shift solenoid valve SL.
(c) Install the bolt.

Torque: 6.6 N·m (67 kgf·cm, 58 in.·lbf)

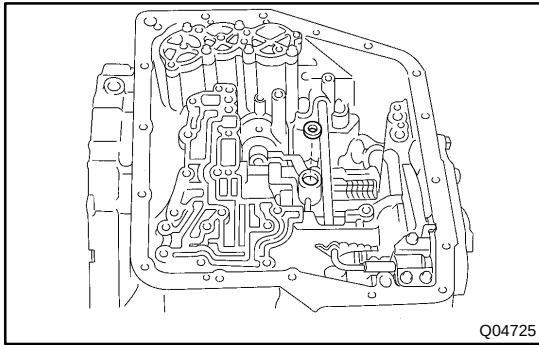


- (d) Install the shift solenoid valve SLN with the bolt.
Torque: 6.6 N·m (67 kgf·cm, 58 in.·lbf)

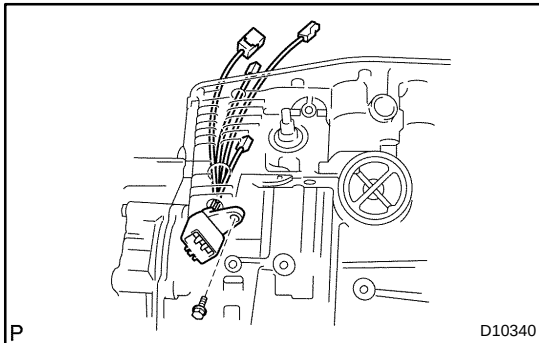


- (e) Coat 2 new O-rings with ATF and install them to the each shift solenoid valve.
(f) Install the shift solenoid valve No. 1 and No. 2 and retain-er.
(g) Install the 3 bolts.

Torque: 6.6 N·m (67 kgf·cm, 58 in.·lbf)



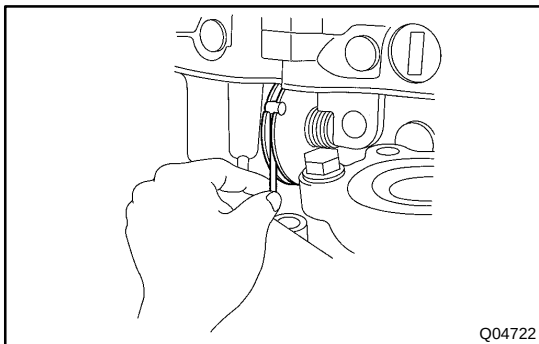
17. PLACE NEW 2ND BRAKE APPLY GASKET



18. INSTALL SOLENOID WIRE

- Install a new O-ring to the solenoid wire.
- Coat the O-ring with ATF.
- Install the solenoid wire with the bolt.

Torque: 5.5 N·m (55 kgf·cm, 49 in·lbf)

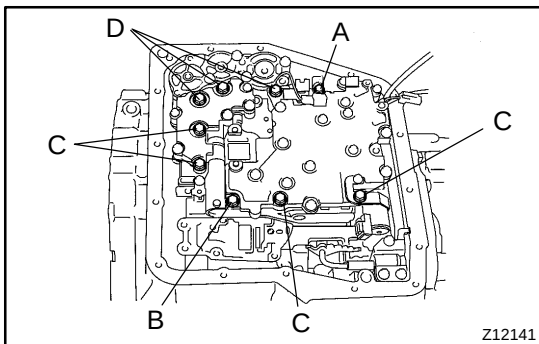


19. INSTALL VALVE BODY

- While holding the cam down with your hand, slip the cable end into the slot.
- Lower the valve body into place.

NOTICE:

Do not entangle the solenoid wire.



- Install the 9 bolts.

Torque: 11 N·m (110 kgf·cm, 8 ft·lbf)

HINT:

- Each bolt length is indicated below.
- Hand tighten the 9 bolts first, then torque with a torque wrench.

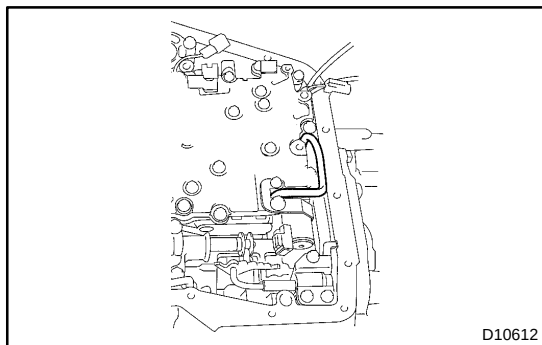
Bolt length:

Bolt A: 30 mm (1.181 in.)

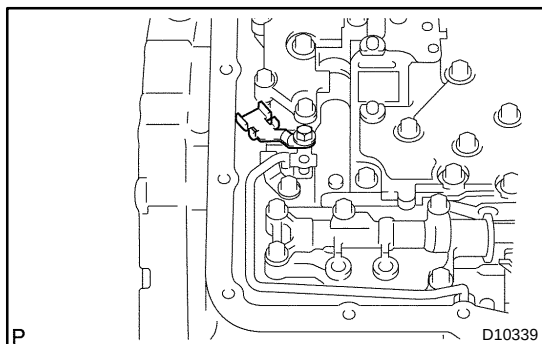
Bolt B: 43 mm (1.693 in.)

Bolt C: 48 mm (1.890 in.)

Bolt D: 52 mm (2.047 in.)

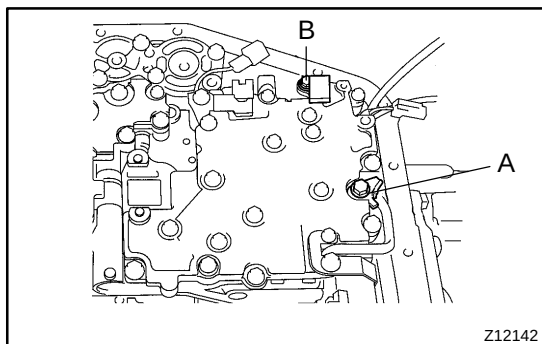
**20. INSTALL B₃ APPLY PIPE****NOTICE:**

Be careful not to bend or damage the pipe.

**21. INSTALL CLAMP BRACKET**

Install the clamp bracket with the bolt.

Torque: 11 N·m (110 kgf·cm, 8 ft·lbf)

**22. INSTALL CONNECTOR CLAMP AND PIPE RETAINER**

(a) Install the connector clamp with the bolt.

Torque: 11 N·m (110 kgf·cm, 8 ft·lbf)

(b) Install the pipe retainer with the bolt.

Torque: 11 N·m (110 kgf·cm, 8 ft·lbf)

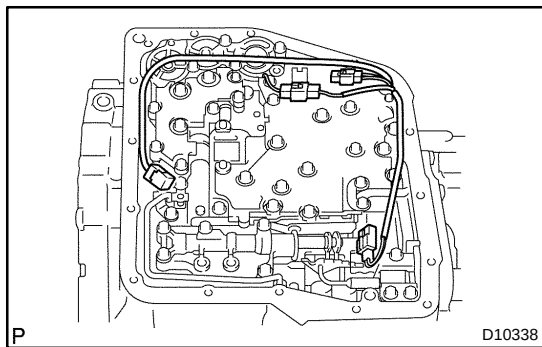
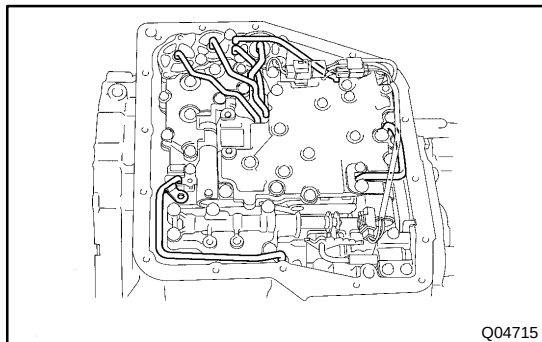
HINT:

Each bolt length is indicated below.

Bolt length:

Bolt A: 48 mm (1.890 in.)

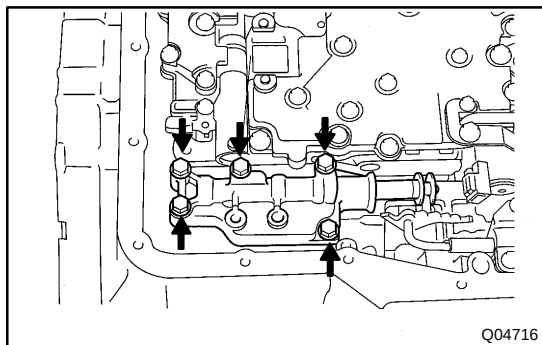
Bolt B: 39 mm (1.535 in.)

**23. CONNECT 3 SOLENOID CONNECTORS AND ATF TEMPERATURE SENSOR****24. INSTALL OIL PIPE**

Using a plastic hammer, install the 6 pipes into the positions.

NOTICE:

Be careful not to bend or damage the pipes.



25. INSTALL MANUAL VALVE BODY AND DETENT SPRING

- Align the manual valve with the pin on the manual shaft lever.
- Lower the manual valve body into place.
- Hand tighten the 5 bolts first. Then, tighten them with a torque wrench.

Torque: 11 N·m (110 kgf·cm, 8 ft·lbf)

HINT:

Each bolt length is indicated below.

Bolt length:

Bolt A: 22 mm (0.866 in.)

Bolt B: 37 mm (1.457 in.)

- Place the detent springs on the manual valve body and hand tighten the 2 bolt first. Then, tighten them with a torque wrench.

Torque: 11 N·m (110 kgf·cm, 8 ft·lbf)

HINT:

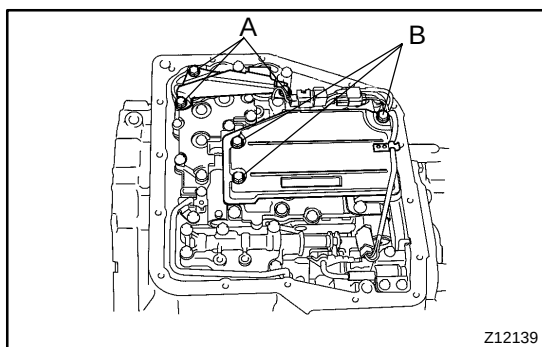
Each bolt length is indicated below.

Bolt length:

Bolt A: 14 mm (0.551 in.)

Bolt B: 37 mm (1.457 in.)

- Check that the manual valve lever is touching the center of the detent spring tip roller.



26. INSTALL PIPE BRACKET AND OIL STRAINER

- Install the oil pipe bracket with the 3 bolts.

Torque: 10 N·m (100 kgf·cm, 7 ft·lbf)

- Place a new gasket to the oil strainer.
- Install the oil strainer with the 3 bolts.

Torque: 11 N·m (110 kgf·cm, 8 ft·lbf)

- Each bolt length is indicated below.

Bolt length:

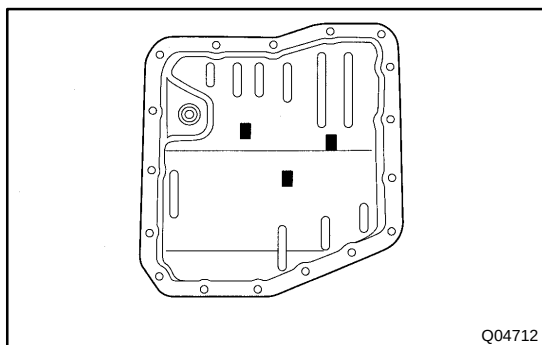
Bolt A: 22 mm (0.866 in.)

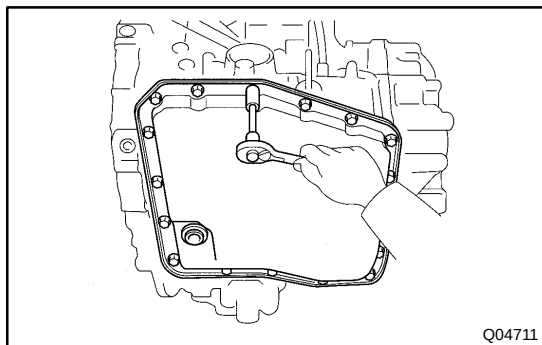
Bolt B: 53 mm (2.087 in.)

27. INSTALL 3 MAGNETS INPLACE

NOTICE:

Make sure that the magnets do not interfere with the oil pipes.



**28. INSTALL OIL PAN WITH NEW GASKET**

- (a) Install a new gasket and oil pan.
- (b) Install the 17 bolts.

Torque: 7.8 N·m (80 kgf·cm, 69 in·lbf)

29. INSTALL DRAIN PLUG

Torque: 49 N·m (500 kgf·cm, 36 ft·lbf)

30. FILL ATF AND CHECK FLUID LEVEL

(See page [DI-157](#))

AUTOMATIC TRANSAXLE SYSTEM

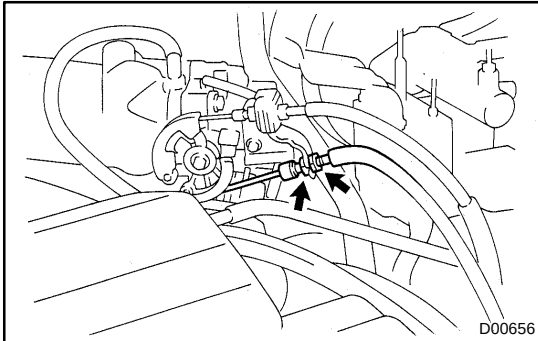
AX042-01

PRECAUTION

If the vehicle is equipped with a mobile communication system, refer to the precautions in the IN section.

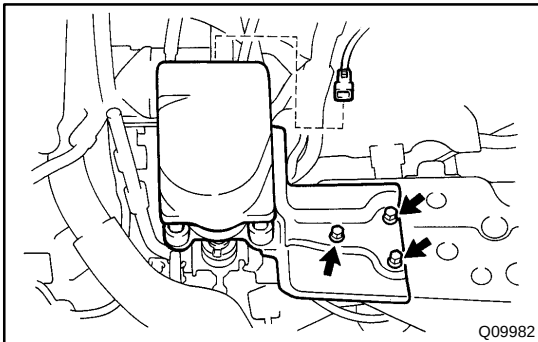
REMOVAL

1. REMOVE HOOD
2. REMOVE AIR CLEANER ASSEMBLY
3. REMOVE OUTER FRONT COWL TOP PANEL
(See page [BO-36](#))
4. REMOVE BATTERY
5. REMOVE V-BANK COVER



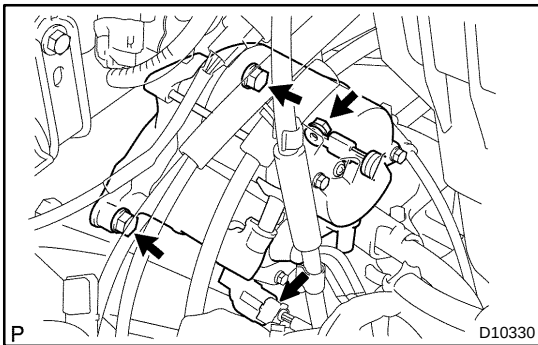
6. DISCONNECT THROTTLE CABLE FROM THROTTLE LINKAGE

Torque: 15 N·m (150 kgf·cm, 11 ft·lbf)



7. **w/ Cruise control system:**
REMOVE CRUISE CONTROL ACTUATOR

- (a) Disconnect the connector.
- (b) Remove the 3 bolts and cruise control actuator with the bracket.

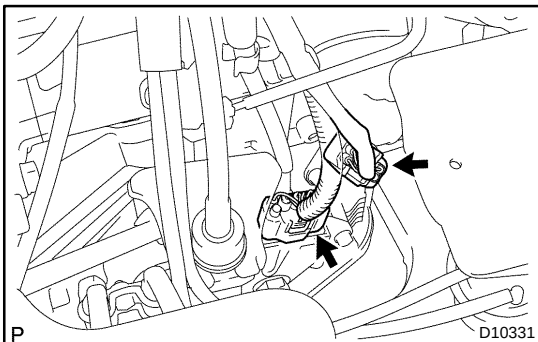


8. REMOVE STARTER

- (a) Disconnect the connector and remove the nut.
- (b) Remove the 2 bolts, shift control cable clamp and starter.
Torque: 37 N·m (380 kgf·cm, 27 ft·lbf)

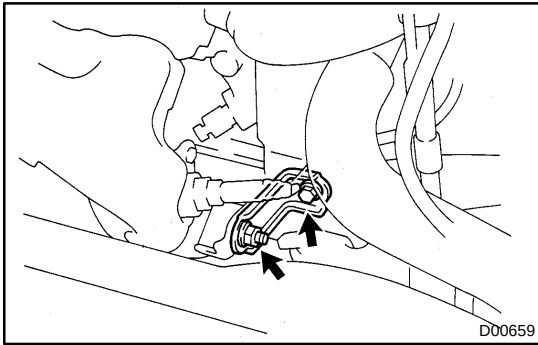
9. DISCONNECT GROUND CABLE

Torque: 18 N·m (185 kgf·cm, 13 ft·lbf)



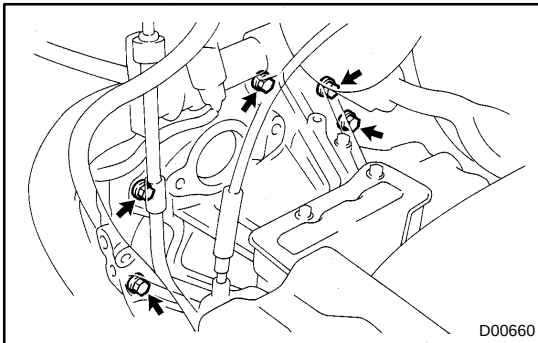
10. DISCONNECT THESE CONNECTORS

- (a) Disconnect the park/neutral position switch connector.
- (b) Disconnect the solenoid connector.

**11. REMOVE EXHAUST MANIFOLD STAY**

Remove the bolt, nut and exhaust manifold stay.

Torque: 20 N·m (200 kgf·cm, 15 ft·lbf)

**12. REMOVE TRANSAXLE 5 UPPER SIDE MOUNTING BOLTS**

Remove the 5 bolts and disconnect the ground cable.

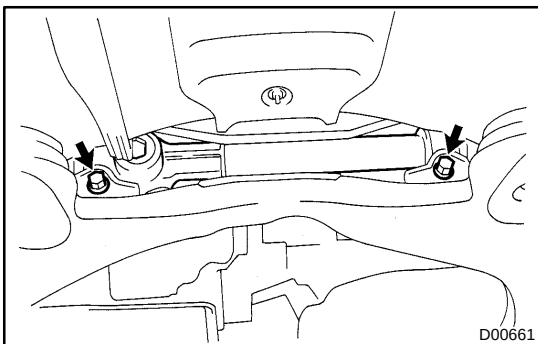
Torque: 66 N·m (670 kgf·cm, 48 ft·lbf)

13. REMOVE FRONT WHEELS**14. REMOVE ENGINE UNDER COVER****15. REMOVE LH AND RH FENDER APRON SEALS****16. REMOVE LH AND RH DRIVE SHAFTS**

(See page [SA-16](#))

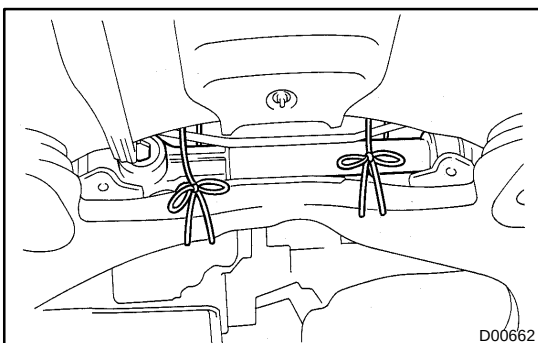
17. REMOVE EXHAUST FRONT PIPE (See page [EM-1 17](#))**18. REMOVE FRONT STABILIZER BAR**

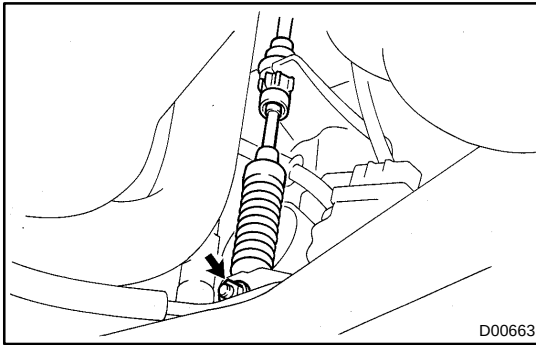
(See page [SA-40](#))

**19. REMOVE STEERING GEAR ASSEMBLY**

Remove the 2 steering gear assembly mounting bolts and nuts.

Torque: 181 N·m (1,850 kgf·cm, 134 ft·lbf)

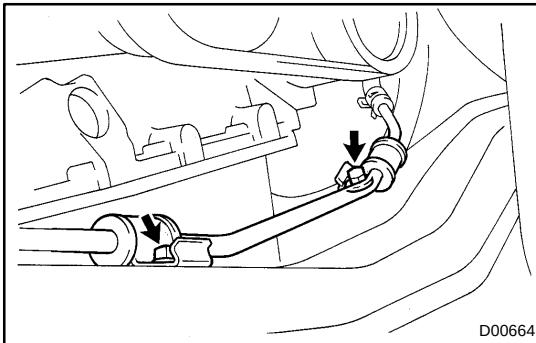
**20. SUPPORT STEERING GEAR ASSEMBLY AS SHOWN**

**21. DISCONNECT SHIFT CONTROL CABLE**

- (a) Remove the nut and disconnect the shift control cable from the control shaft lever.

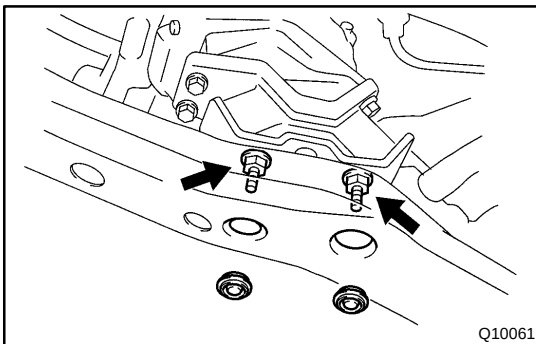
Torque: 15 N·m (150 kgf·cm, 11 ft·lbf)

- (b) Disconnect the shift control cable from the bracket.

**22. DISCONNECT PS PIPE**

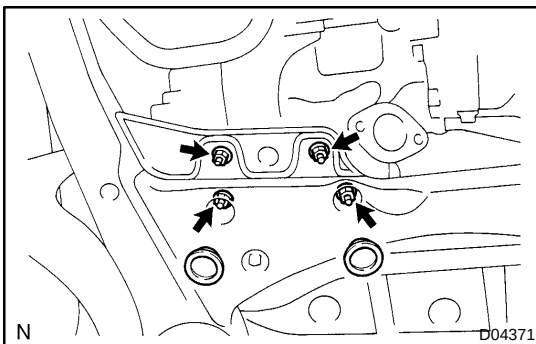
Remove the 2 bolt and disconnect the PS pipe from the front frame.

Torque: 10 N·m (100 kgf·cm, 7 ft·lbf)

**23. REMOVE LEFT SIDE TRANSAXLE MOUNTING NUT**

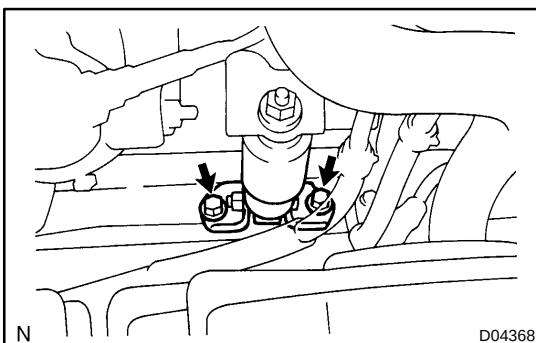
Remove the 2 grommets and nuts.

Torque: 80 N·m (820 kgf·cm, 59 ft·lbf)

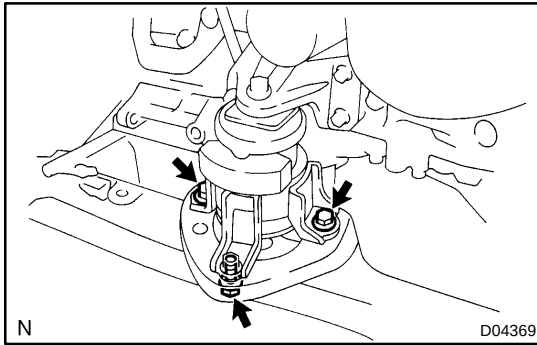
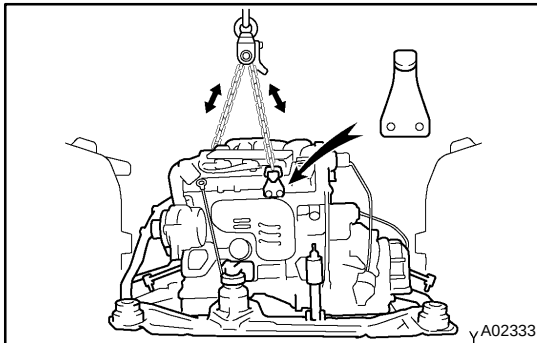
**24. REMOVE REAR SIDE ENGINE MOUNTING NUT**

Remove the 2 grommets and 4 nuts.

Torque: 66 N·m (670 kgf·cm, 48 ft·lbf)

**25. REMOVE 2 ENGINE MOUNTING ABSORBER BOLTS**

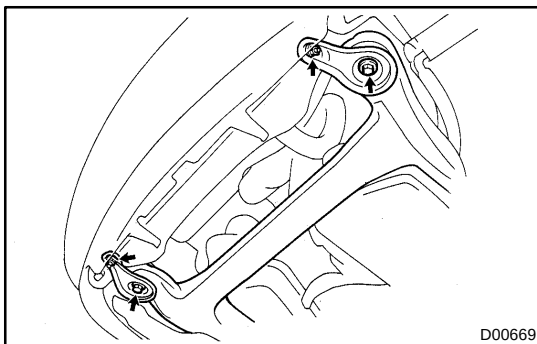
Torque: 48 N·m (490 kgf·cm, 35 ft·lbf)

**26. REMOVE 3 FRONT SIDE ENGINE MOUNTING BOLTS****Torque:****Green color bolt: 66 N·m (670 kgf·cm, 48 ft·lbf)****Silver color bolt: 44 N·m (450 kgf·cm, 32 ft·lbf)****27. ATTACH ENGINE SLING DEVICE TO ENGINE HANGERS**

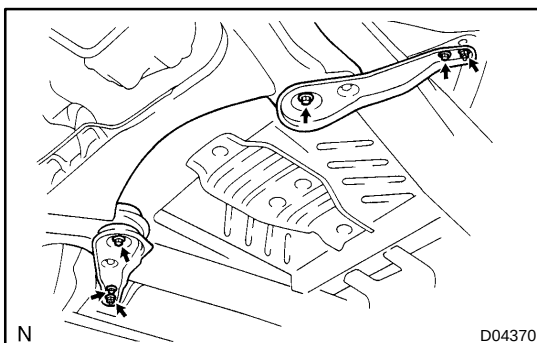
- (a) Install the No.2 engine hanger in the correct direction.

Parts No.:**No.2 engine hanger: 12282-20020****Bolt: 91642-80825****Torque: 19.5 N·m (200 kgf·cm, 14 ft·lbf)**

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

CAUTION:**Do not attempt to hang the engine by hooking the chain to any other part.****28. REMOVE FRONT FRAME ASSEMBLY**

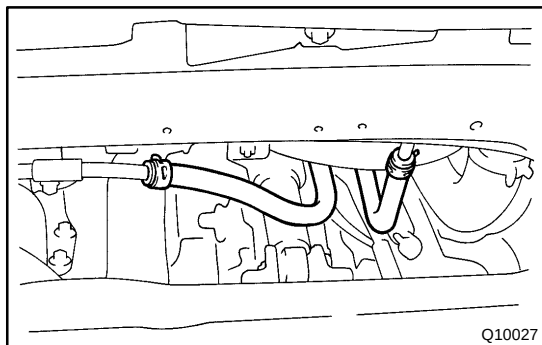
- (a) Remove the 2 front side mounting bolts and nuts.

Torque:**Bolt: 181 N·m (1,850 kgf·cm, 134 ft·lbf)****Nut: 36 N·m (370 kgf·cm, 27 ft·lbf)**

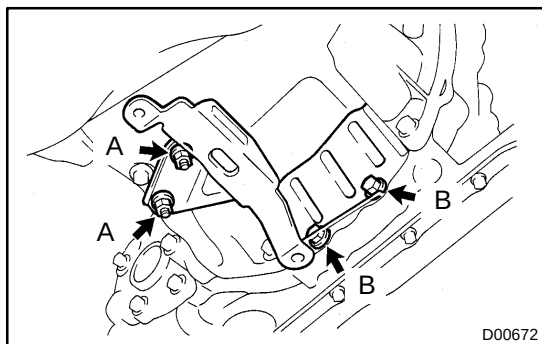
- (b) Remove the 4 rear side mounting bolts and 2 nuts.

Torque:**19 mm head bolt: 181 N·m (1,850 kgf·cm, 134 ft·lbf)****14 mm head bolt: 32 N·m (330 kgf·cm, 24 ft·lbf)****Nut: 36 N·m (370 kgf·cm, 27 ft·lbf)**

- (c) Remove the front frame assembly.

**29. DISCONNECT OIL COOLER HOSES**

Loosen the 2 clips and disconnect the 2 oil cooler hoses.

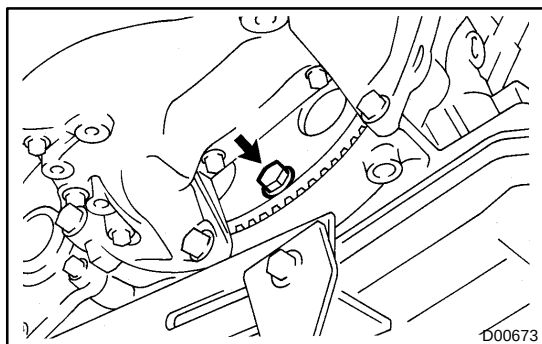
30. SUPPORT TRANSAXLE WITH A TRANSMISSION JACK**31. REMOVE TORQUE CONVERTER MOUNTING BOLTS**

(a) Remove the 2 nuts, 2 bolts, 2 brackets and hole cover.

Torque:

A nut: 21 N·m (210 kgf·cm, 15 ft·lbf)

B bolt: 8.0 N·m (80 kgf·cm, 71 in·lbf)

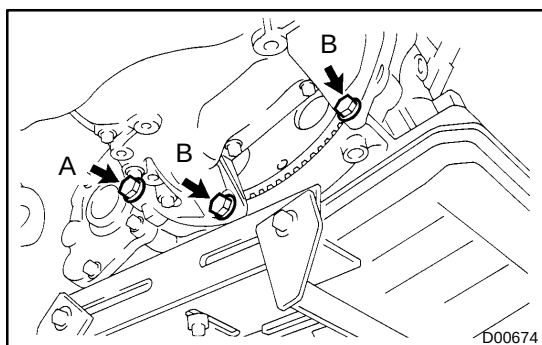


(b) Turn the crankshaft to gain access to each bolt, remove the 6 bolts with holding the crankshaft pulley bolt with a wrench.

Torque: 41 N·m (420 kgf·cm, 30 ft·lbf)

HINT:

At the time of installation, please refer to the following item.
First install black colored bolt and then the 5 other bolts.

**32. REMOVE TRANSAXLE 3 LOWER SIDE MOUNTING BOLTS**

Torque:

A bolt: 48 N·m (490 kgf·cm, 35 ft·lbf)

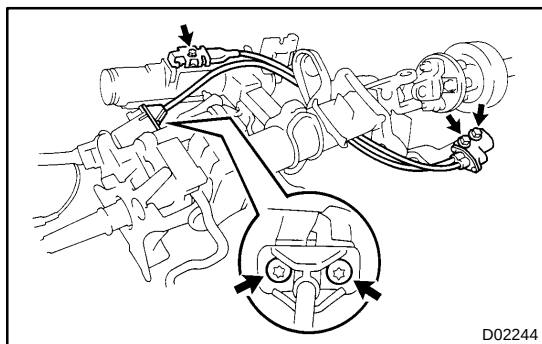
B bolt: 37 N·m (380, kgf·cm, 27 ft·lbf)

33. REMOVE TRANSAXLE ASSEMBLY

Separate the transaxle from the engine, and lower the transaxle.

REMOVAL

1. **REMOVE STEERING COLUMN ASSEMBLY**
(See page [SR-11](#))



2. **REMOVE PARKING LOCK CABLE**

- (a) Remove the screw and cable No.2.
- (b) Remove the 2 bolts.
- (c) Using a torx socket wrench, remove the 2 screws and cable No.1.

3. **REMOVE SHIFT LEVER**

Remove the torx screw and shift lever.

4. **REMOVE SHIFT LEVER HOUSING**

Remove the 3 torx screws and shift lever housing.