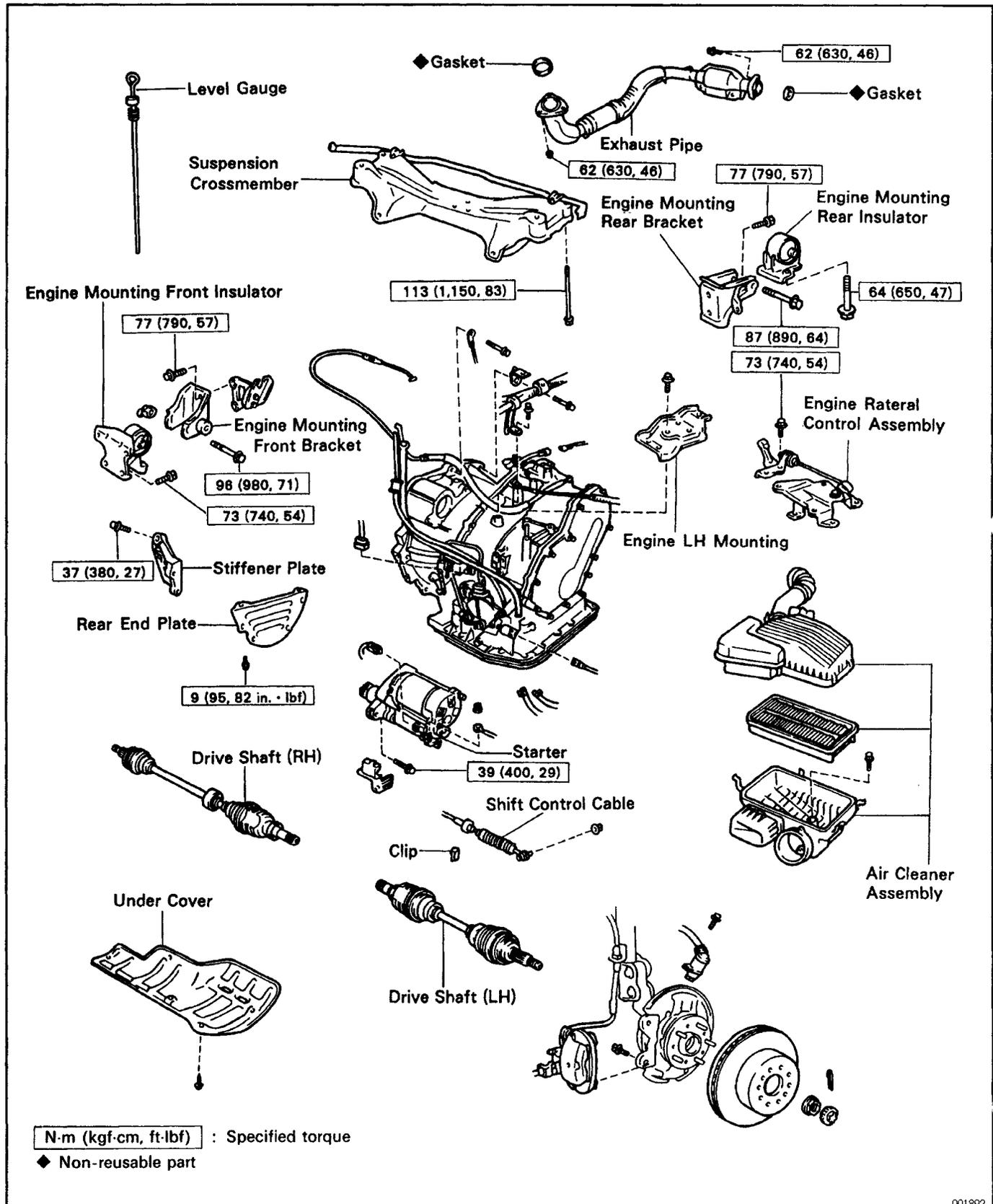
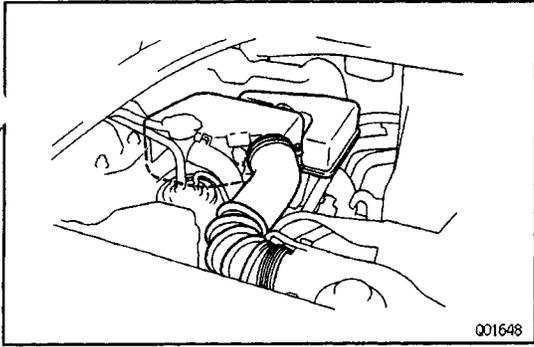


ASSEMBLY REMOVAL AND INSTALLATION

AX07E-01

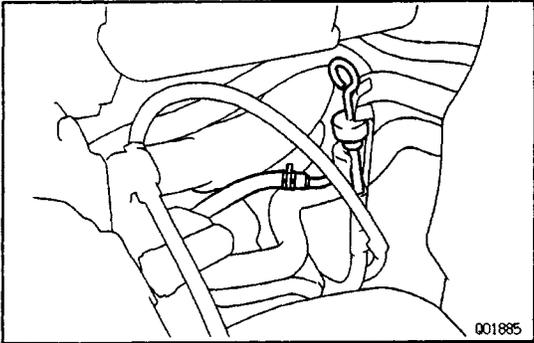
Remove and install the parts as shown below.



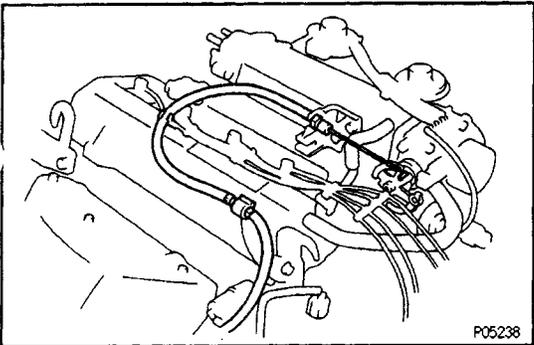


TRANSAXLE REMOVAL

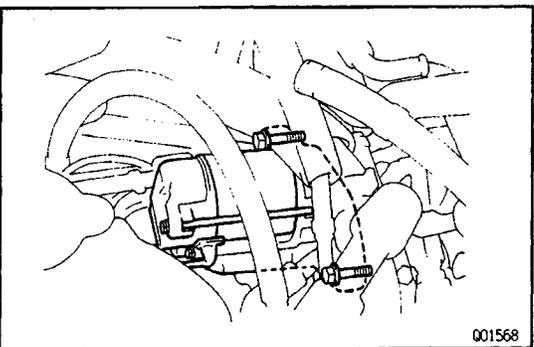
1. REMOVE NEGATIVE BATTERY CABLE
2. REMOVE AIR CLEANER CASE ASSEMBLY WITH AIR HOSE



3. REMOVE LEVEL GAUGE AND DISCONNECT BREATH-
ER HOSE

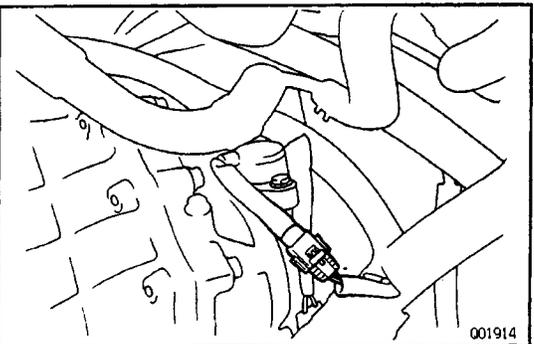


4. REMOVE THROTTLE CABLE

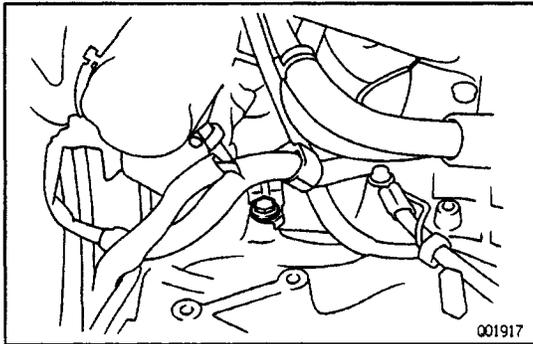


5. REMOVE STARTER

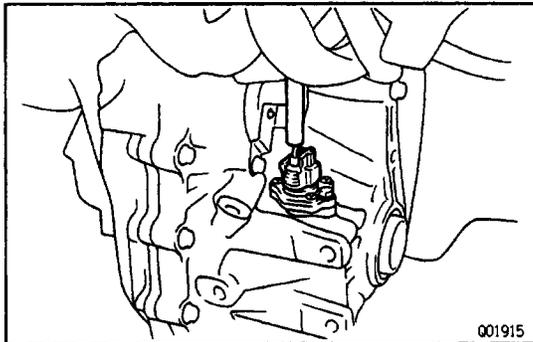
- (a) Disconnect the connector and wire from the starter.
- (b) Remove the two bolts and starter.



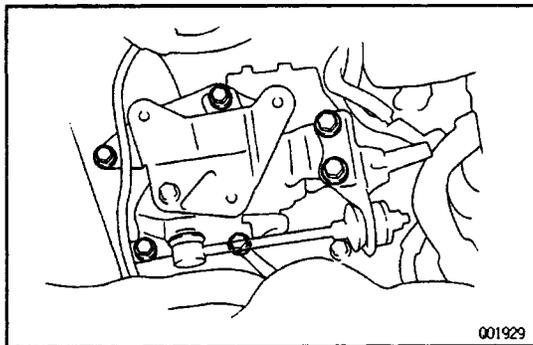
6. DISCONNECT NO.1 VEHICLE SPEED PULSE GEN-
ERATOR CONNECTOR



7. REMOVE WIRE HARNESS CLAMP

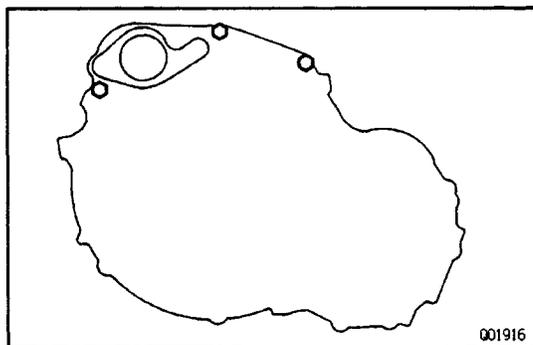


8. DISCONNECT NO.2 VEHICLE SPEED PULSE GENERATOR CONNECTOR



9. REMOVE ENGINE RATERAL CONTROL ASSEMBLY

Remove six bolts and the rateral control assembly.



10. REMOVE TRANSAXLE MOUNTING BOLTS OF TRANSAXLE CASE UPPER SIDE

Remove three bolts from the transaxle case upper side.

11. REMOVE REAR WHEELS

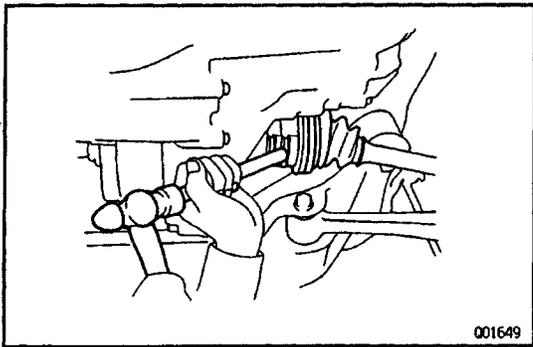
12. RAISE VEHICLE

NOTICE: Be sure the vehicle is securely supported.

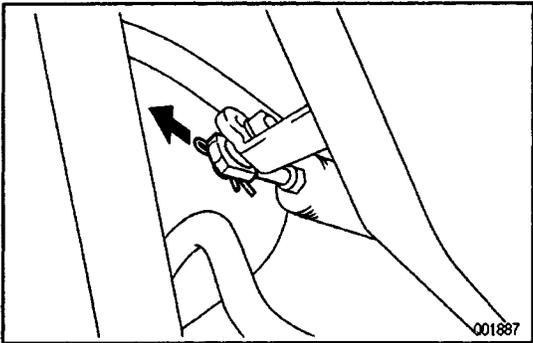
13. REMOVE UNDERCOVER

Remove the five bolts and under cover.

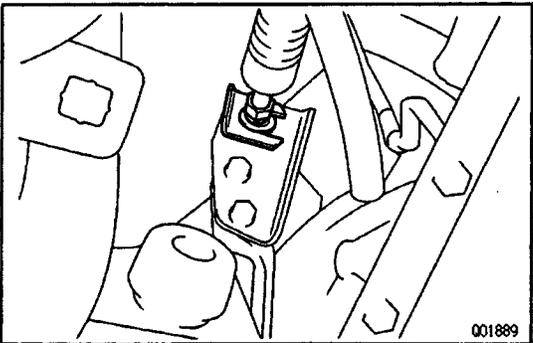
14. DRAIN TRANSAXLE OIL



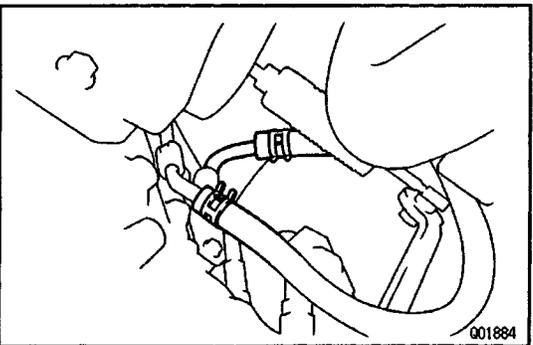
15. REMOVE DRIVE SHAFT
(See page SA-55)



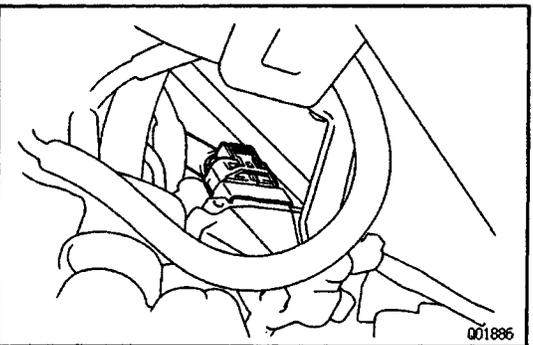
16. DISCONNECT SHIFT CONTROL CABLE
(a) Remove the clip and washer.



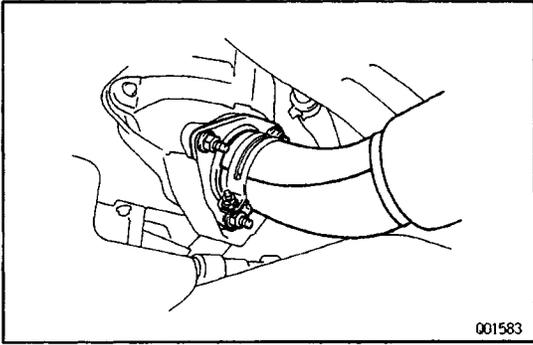
(b) Remove the retainer from the cable.



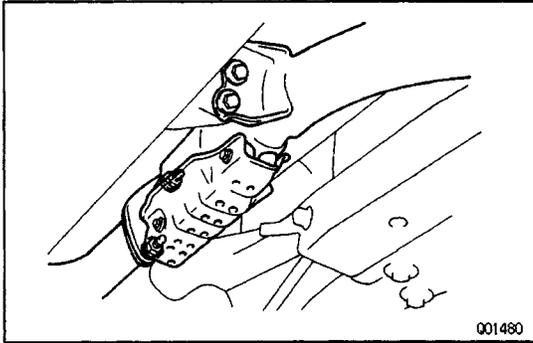
17. REMOVE TWO OIL COOLER TUBES



18. DISCONNECT PARK NEUTRAL SWITCH CONNecTOR

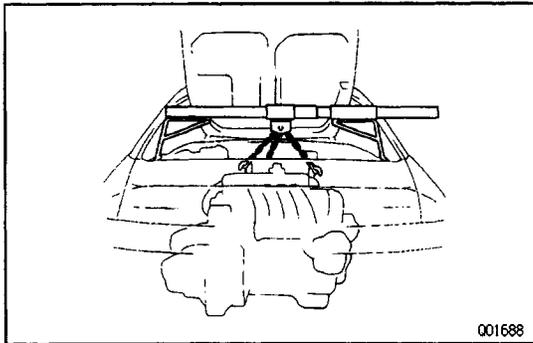
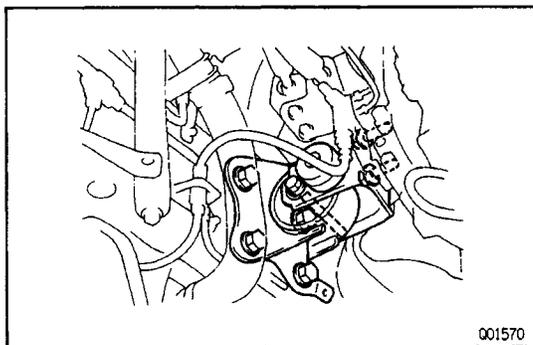
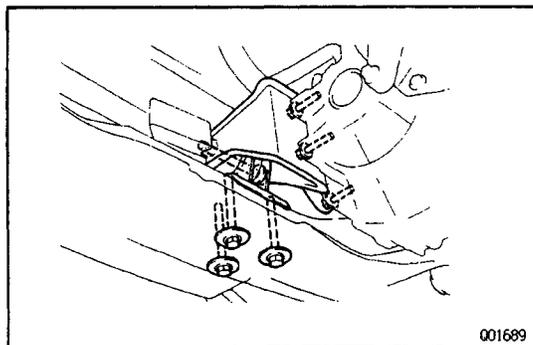
**19. REMOVE EXHAUST PIPE**

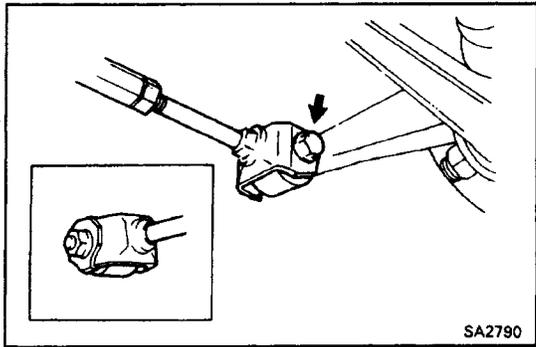
(a) Remove the three nuts.



(b) Remove the four bolts.

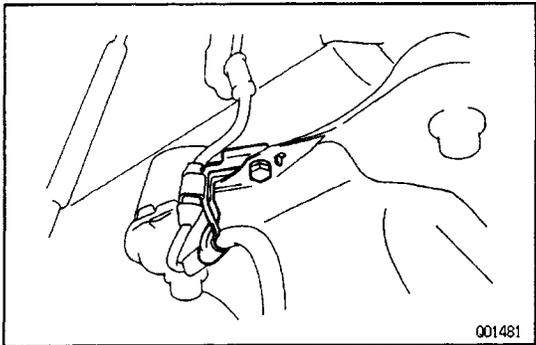
(c) Remove exhaust pipe and two gaskets.

**20. INSTALL ENGINE SUPPORT FIXTURE****21. REMOVE ENGINE FRONT MOUNTING****22. REMOVE ENGINE REAR MOUNTING**

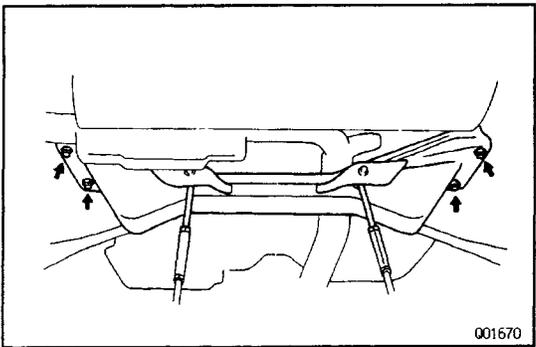


23. REMOVE SUSPENSION CROSSMEMBER

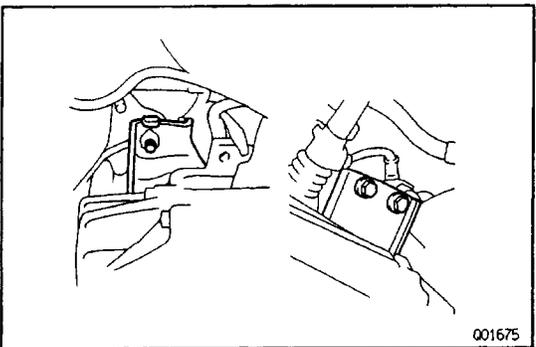
(a) Remove the bolt, nut and suspension arm from rear axle hub.



(b) Remove the bolt and disconnect the speed sensor bracket from the rear suspension crossmember-

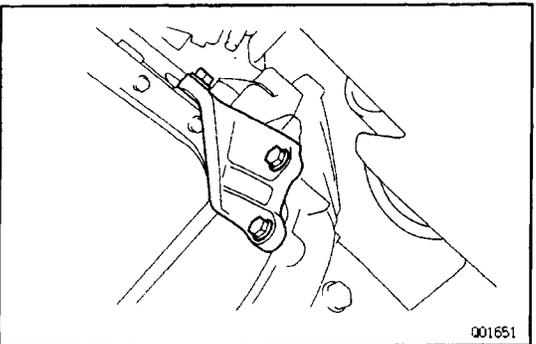


(c) Remove the four bolts and suspension crossmember.



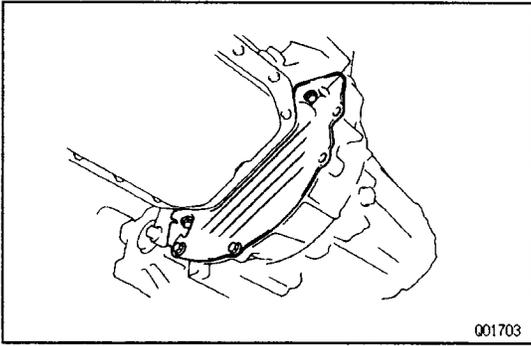
24. REMOVE ENGINE LH MOUNTING SET BOLTS

- (a) Raise the transaxle and engine slightly with a jack and wooden block in between.
- (b) Remove the three bolts.



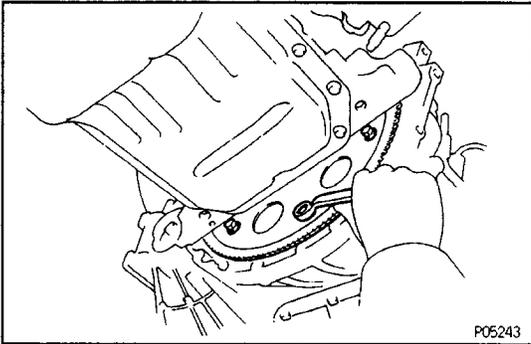
25. REMOVE STIFFENER PLATE

Remove the three bolts and stiffener plate.



26. REMOVE REAR END PLATE

Remove the four bolts and rear end plate.



27. REMOVE TORQUE CONVERTER MOUNTING BOLT

Remove the six bolts by turning the crankshaft.

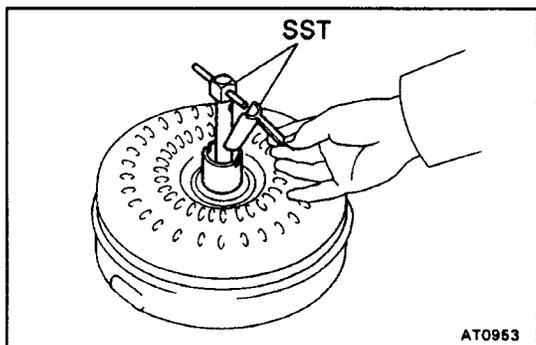
28. REMOVE TRANSAXLE

- (a) Remove the transaxle mounting bolts from the engine.
- (b) Lower the engine left side and remove the transaxle from the engine.

TORQUE CONVERTER CLEANING

AX07G-01

If the transmission is contaminated, the torque converter and transmission cooler should be thoroughly flushed with ATF.

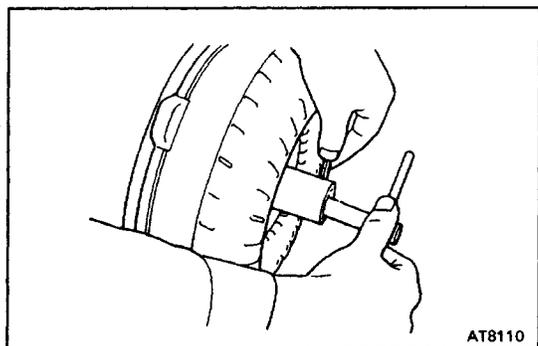


AN07M-01

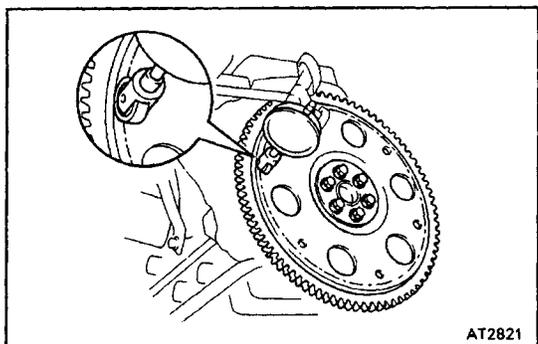
TORQUE CONVERTER AND DRIVE PLATE INSPECTION

1. INSPECT ONE-WAY CLUTCH

- (a) Install SST in the inner race of the one-way clutch.
SST 09350-32014 (09351-32010)
- (b) 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)



- (c) With the torque converter standing on its side, the clutch should lock when turned counterclockwise, and should rotate freely and smoothly clockwise. If necessary, clean the converter and retest the clutch. Replace the converter if the clutch still fails the test.

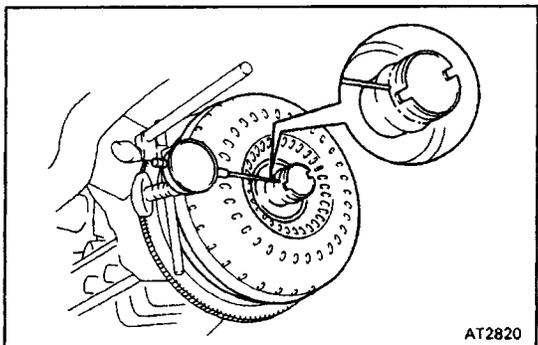


2. MEASURE DRIVE PLATE RUNOUT AND INSPECT RING GEAR

Set up a dial indicator and measure the drive plate runout.

If runout exceeds 0.20 mm (0.0079 in.) or if the ring gear is damaged, replace the drive plate. If installing a new drive plate, note the orientation of the spacers and tighten the bolts.

Torque: 88 N-m (900 kgf-cm, 65 ft-lbf)



3. MEASURE TORQUE CONVERTER SLEEVE RUNOUT

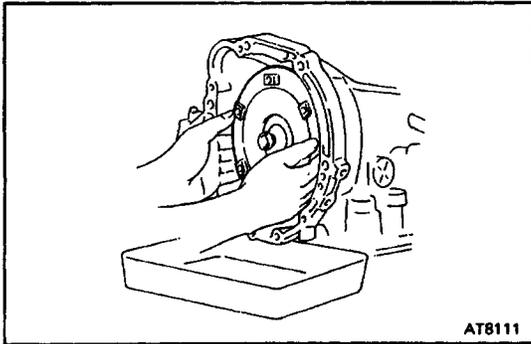
- (a) Temporarily mount the torque converter to the drive plate. Set up a dial indicator.

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

If runout exceeds 0.30 mm (0.0118 in.) try to correct it by reorienting the installation of the converter. If excessive runout cannot be corrected, replace the torque converter.

HINT: Mark the position of the converter to ensure correct installation.

- (b) Remove the torque converter from the drive plate.



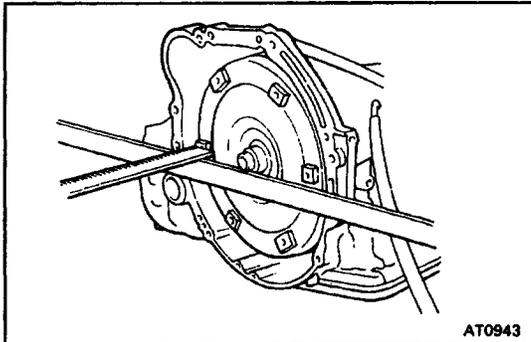
TRANSAXLE INSTALLATION

1. INSTALL TORQUE CONVERTER IN TRANSAXLE

If the torque converter has been drained and washed, refill with new ATF.

Fluid type:

ATF DEXRON® II

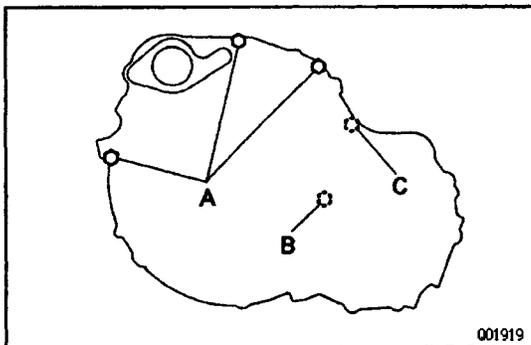


2. CHECK TORQUE CONVERTER INSTALLATION

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

Correct distance:

More than 23.0 mm (0.906 in.)



3. ALIGN TRANSAXLE AT INSTALLATION POSITION

(a) Align the two knock pins on the block with the converter housing.

(b) Temporarily install one bolt.

4. INSTALL TRANSAXLE HOUSING MOUNTING BOLTS

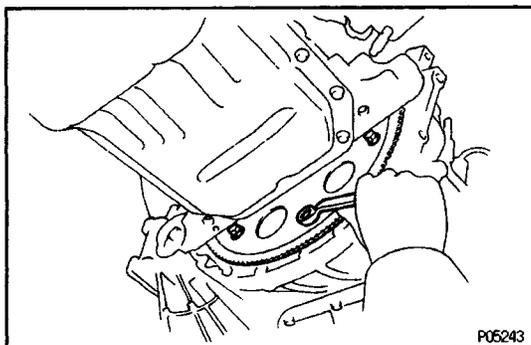
Install the transaxle housing mounting bolts.

Torque:

A bolt 64 N-m (650 kgf-cm, 47 ft-lbf)

B bolt 46 N-m (470 kgf-cm, 34 ft-lbf)

C bolt 25 N-m (250 kgf-cm, 18 ft-lbf)

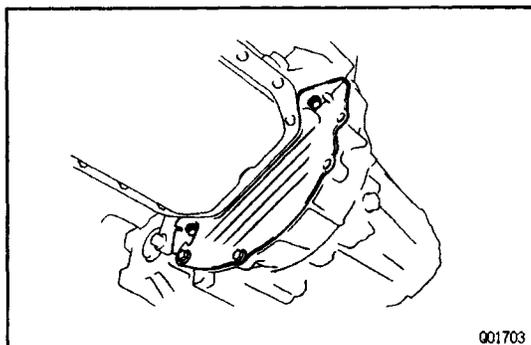


5. INSTALL TORQUE CONVERTER MOUNTING BOLTS

(a) First, install the gray bolt. Then install five black bolts while turning the crankshaft to gain across.

(b) Tighten the bolts evenly.

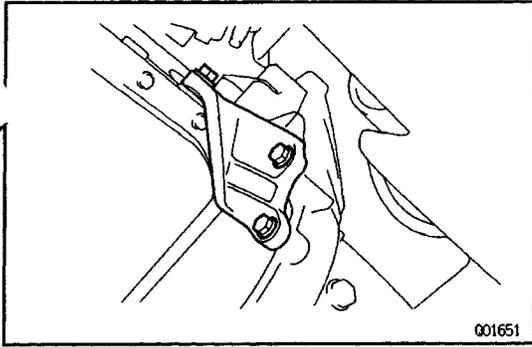
Torque: 27 N-m (280 kgf-cm, 20 ft-lbf)



6. INSTALL REAR END PLATE

Install the rear end plate and torque the four bolts.

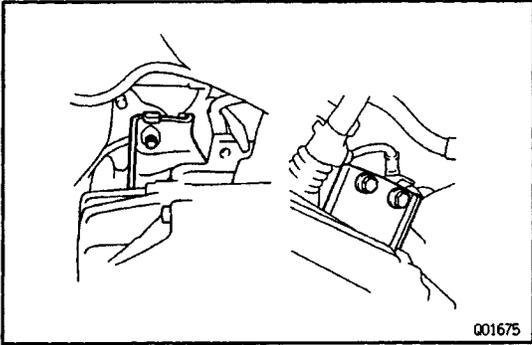
Torque: 9 N-m (95 kgf-cm, 82 in.-lbf)



7. INSTALL STIFFENER PLATE

Install the stiffener plate with three bolts.

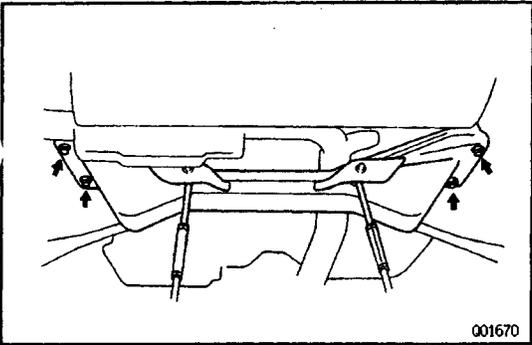
Torque: 37 N-m (380 kgf-cm, 27 ft-lbf)



8. INSTALL ENGINE LH MOUNTING SET BOLTS

Raise the engine left side and install the three set bolts.

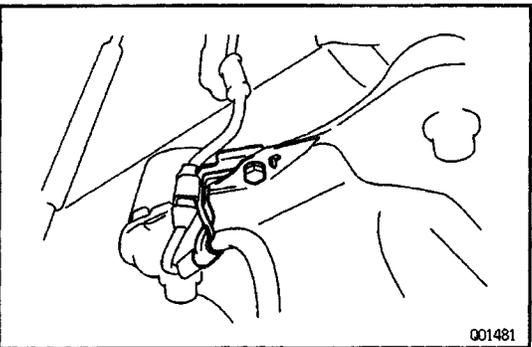
Torque: 64 N-m (650 kgf-cm, 47 ft-lbf)



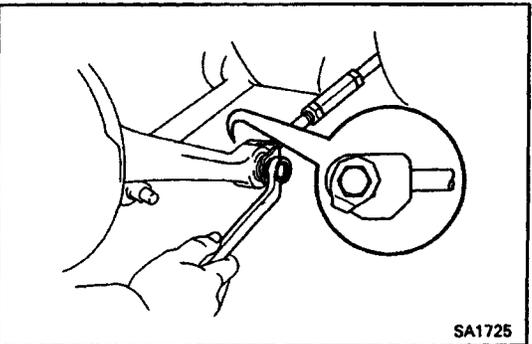
9. INSTALL SUSPENSION CROSSMEMBER

(a) Install the suspension crossmember in place, then install and tighten the four bolts.

Torque: 113 N-m (1,150 kgf-cm, 83 ft-lbf)

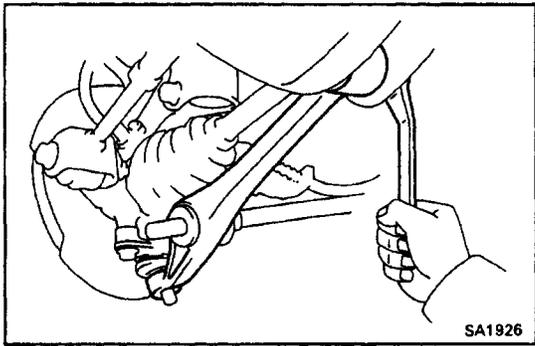


(b) Install the speed sensor bracket to suspension crossmember.



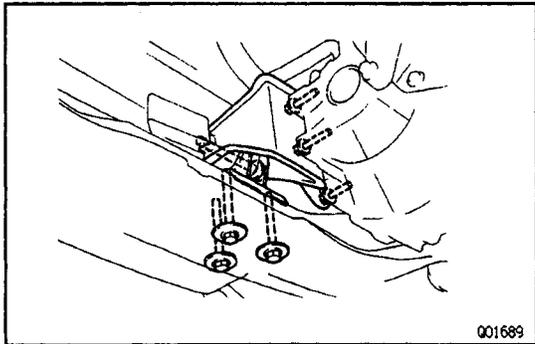
(c) Install the suspension arm with bolt and nut to rear axle hub.

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



(d) Install the lower arm with bolt to suspension cross-member.

Torque: 132 N-m (1,350 kgf-cm, 98 ft-lbf)



10. INSTALL ENGINE REAR MOUNTING

Transaxle side

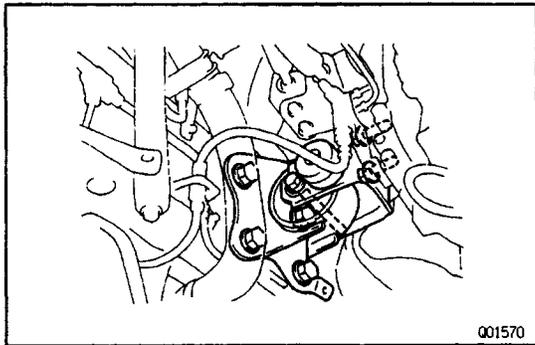
Torque: 77 N-m (790 kgf-cm, 57 ft-lbf)

Crossmember side

Torque: 64 N-m (650 kgf-cm, 47 ft-lbf)

Through bolt

Torque: 87 N-m (890 kgf-cm, 64 ft-lbf)



11. INSTALL ENGINE FRONT MOUNTING

Transaxle side

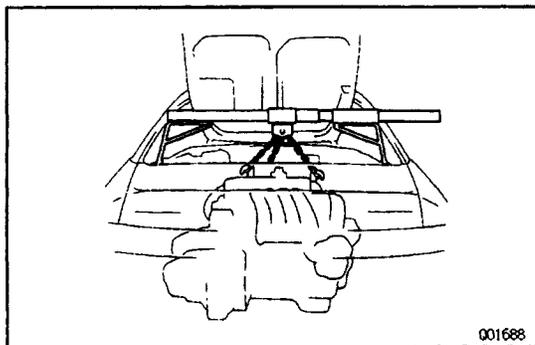
Torque: 77 N-m (790 kgf-cm, 57 ft-lbf)

Body side

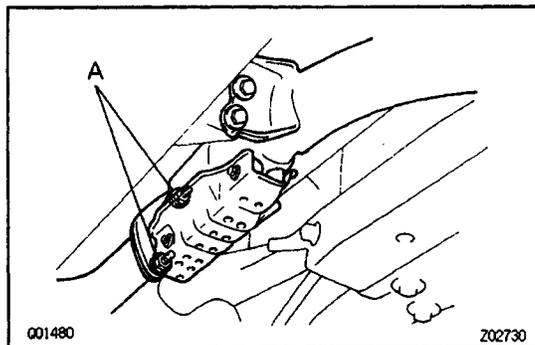
Torque: 73 N-m (740 kgf-cm, 54 ft-lbf)

Through bolt

Torque: 96 N-m (980 kgf-cm, 71 ft-lbf)



12. REMOVE ENGINE SUPPORT FIXTURE



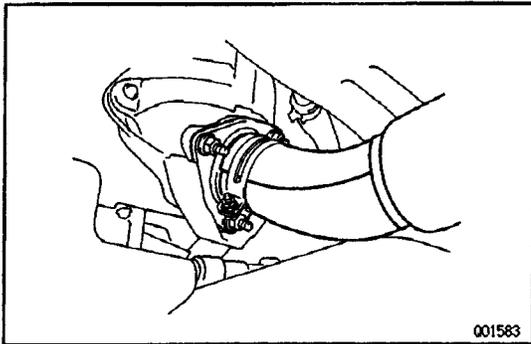
13. INSTALL EXHAUST PIPE

(a) Install the two new gaskets and exhaust pipe.

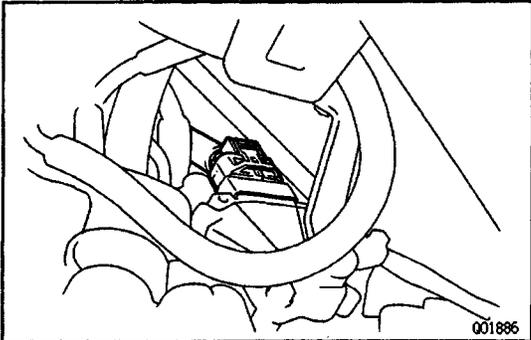
(b) Install the four bolts.

(c) Torque the "A" bolts.

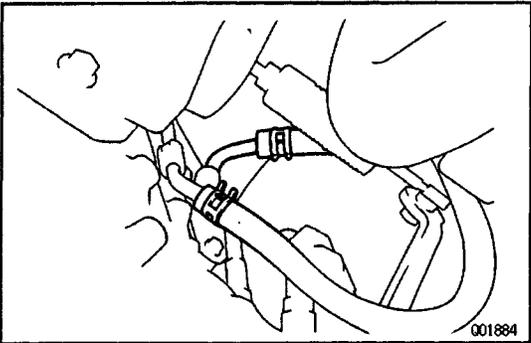
Torque: 62 N-m (630 kgf-cm, 46 ft-lbf)



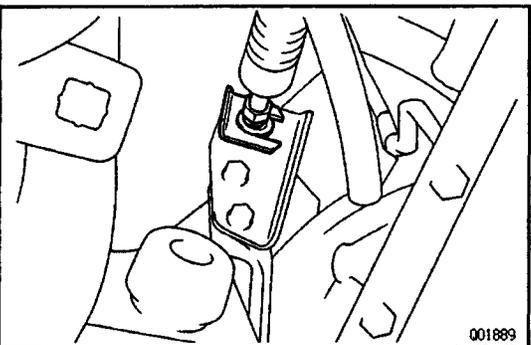
- (d) Install and torque the three nuts
Torque: 62 N-m (630 kgf-cm, 46 ft-lbf)



14. CONNECT PARK NEUTRAL SWITCH CONNECTOR

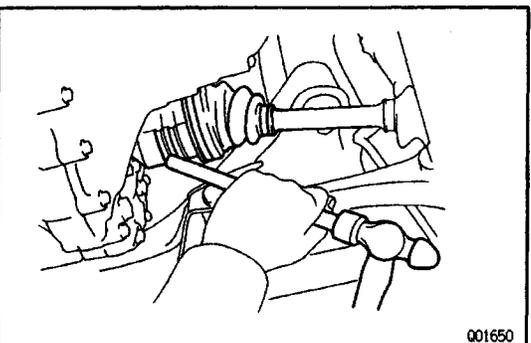


15. INSTALL TWO OIL COOLER TUBES



16. CONNECT SHIFT CONTROL CABLE

- (a) Install the retainer to the cable.
(b) Connect the cable to the linkage with the washer and clip.



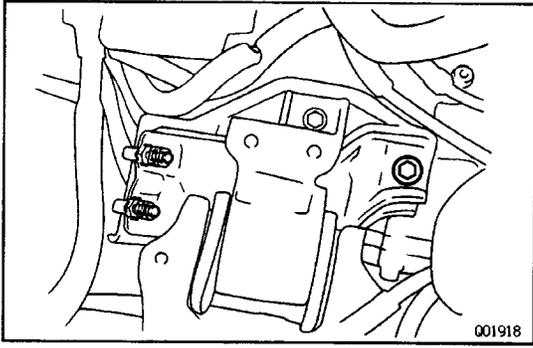
17. INSTALL DRIVE SHAFT

(See page [SA-64](#))

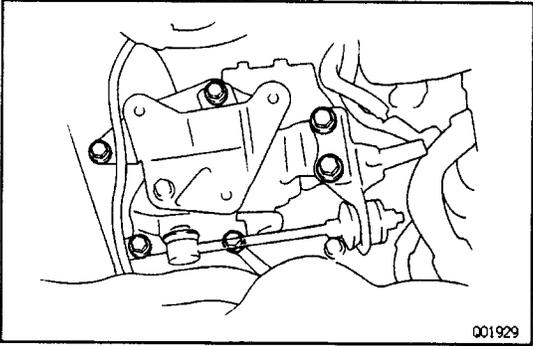
18. INSTALL UNDER COVER

Install the under cover and five bolts.

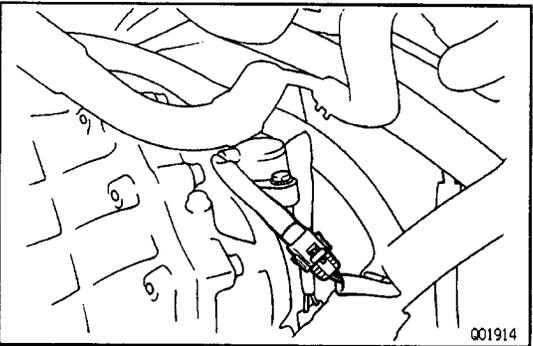
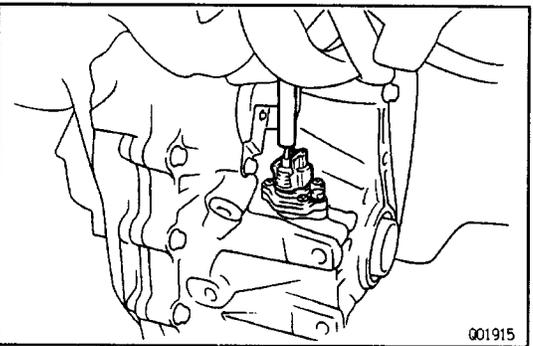
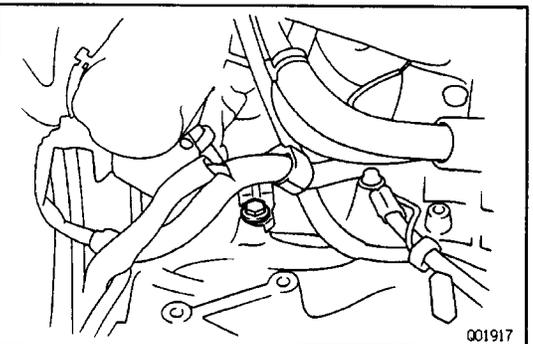
19. INSTALL REAR WHEELS AND LOWER VEHICLE

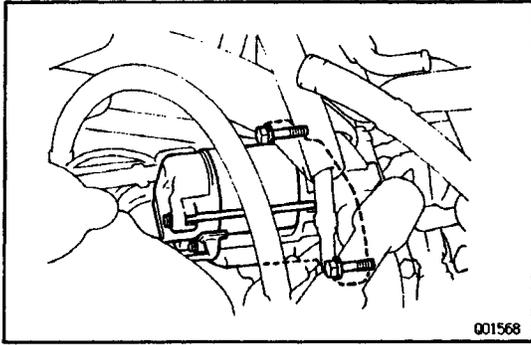
**20. INSTALL ENGINE RATERAL CONTROL ASSEMBLY**

(a) Install three bolts to the engine LH mounting.



(b) Install the engine rateral control assembly with six bolts.

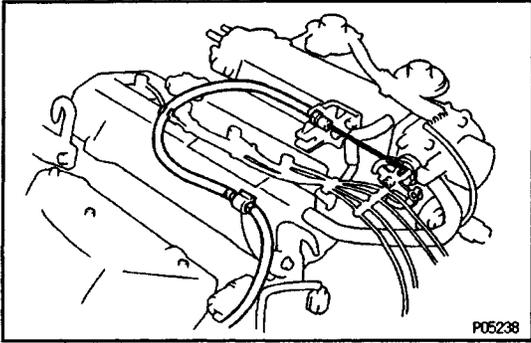
**21. CONNECT NO.1 VEHICLE SPEED PULSE GENERATOR CONNECTOR****22. CONNECT NO.2 VEHICLE SPEED PULSE GENERATOR CONNECTOR****23. INSTALL WIRE HARNESS CLAMP**



Q01568

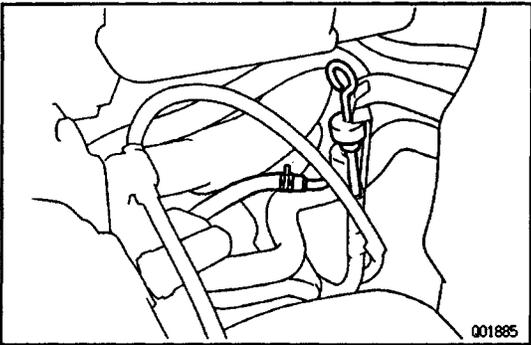
24. INSTALL STARTER

- (a) Install the starter.
- (b) Install and torque the two bolts.
Torque: 39 N-m (400 kgf_{cm}, 29 ft-lbf)
- (c) Connect the connector and wire to the starter.



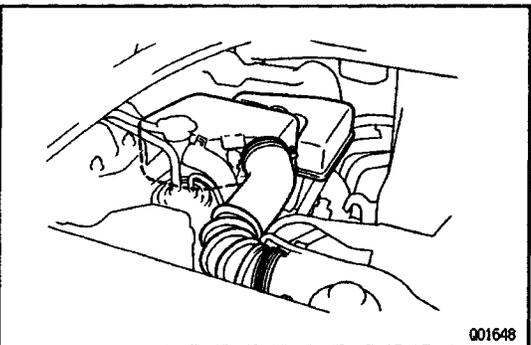
P05238

25. INSTALL THROTTLE CABLE



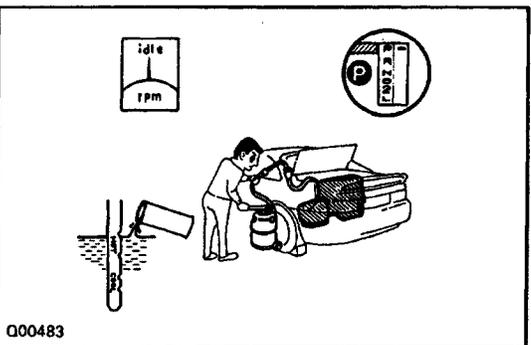
Q01885

26. INSTALL LEVEL GAUGE AND CONNECT BREATH-ER HOSE



Q01648

27. INSTALL AIR CLEANER CASE ASSEMBLY WITH AIR HOSE



Q00483

28. INSTALL NEGATIVE BATTERY CABLE

29. INSPECT REAR WHEEL ALIGNMENT

(See page SA-6)

30. FILL TRANSAXLE WITH ATF

(See page AX-14)