

## REMOVAL

### 1. REMOVE LEVEL GAUGE

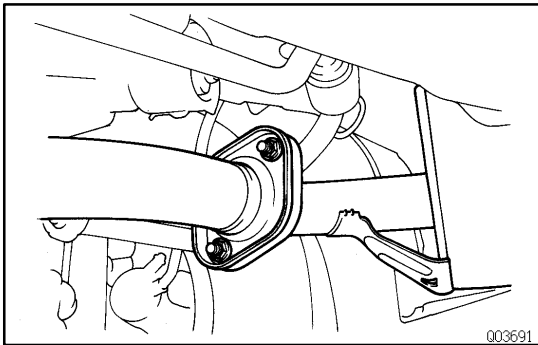
### 2. REMOVE FILLER PIPE

### 3. DISCONNECT OXYGEN SENSOR

- (a) Remove the 2 bolts and sensor cover from the exhaust pipe.
- (b) Disconnect the heated oxygen sensor.  
Torque: 44 N·m (450 kgf·cm, 33 ft·lbf)

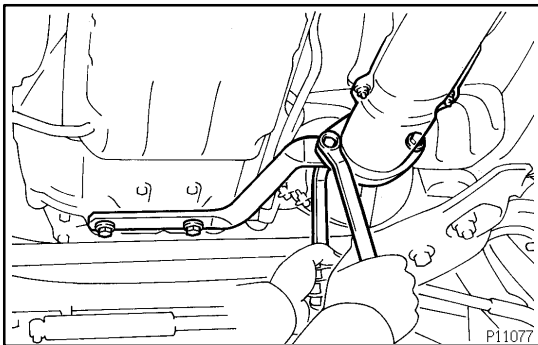
#### NOTICE:

At the time of installation, please refer to the following item.  
After installing the oxygen sensor, check that the wire is not twisted.



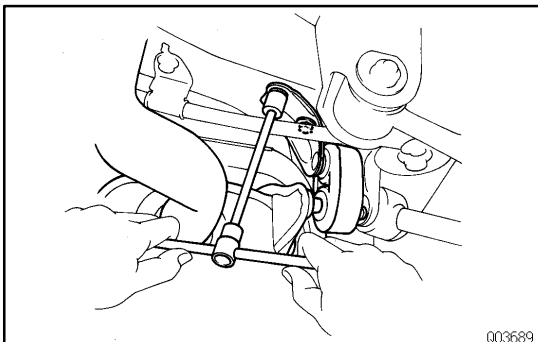
### 4. REMOVE LEFT AND RIGHT TAIL PIPES

- (a) Remove the nuts and disconnect the left and right tail pipes from the center exhaust pipe.  
Torque: 19 N·m (195 kgf·cm, 14 ft·lbf)
- (b) Remove the left and right tail pipe from the brackets.



### 5. REMOVE FRONT AND CENTER EXHAUST PIPE

- (a) Remove the 2 nuts and bolts, disconnect the front exhaust pipe from the No. 2 exhaust pipe  
Torque: 43 N·m (440 kgf·cm, 32 ft·lbf)
- (b) Remove the 2 bolts and exhaust pipe support bracket.  
Torque: 37 N·m (380 kgf·cm, 27 ft·lbf)



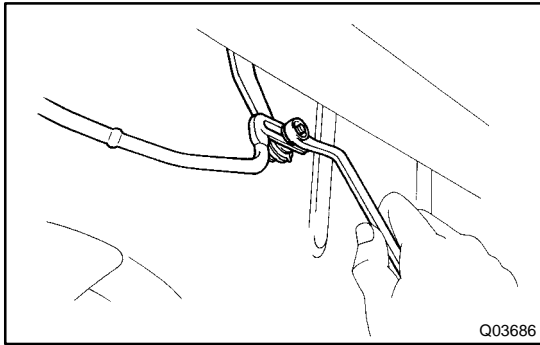
- (c) Remove the center exhaust pipe brackets and front and center exhaust pipe  
Torque: 13 N·m (130 kgf·cm, 9 ft·lbf)

### 6. REMOVE HEAT INSULATOR

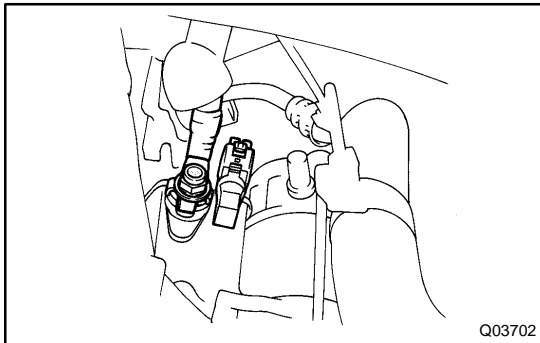
Torque: 5.4 N·m (55 kgf·cm, 48 in.-lbf)

### 7. REMOVE REAR CENTER FLOOR CROSSMEMBER BRACE

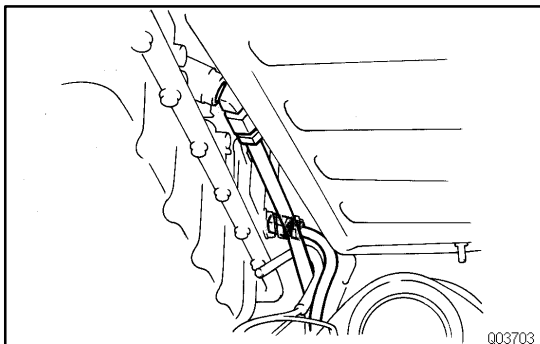
Torque: 13 N·m (130 kgf·cm, 9 ft·lbf)



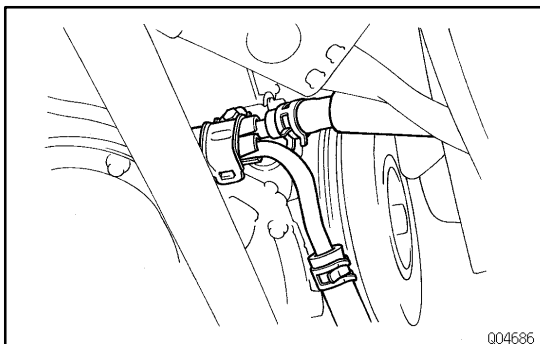
8. **DISCONNECT TRANSMISSION CONTROL ROD FROM SHIFT LEVER**  
Torque: 13 N·m (130 kgf·cm, 9 ft·lbf)
9. **REMOVE PROPELLER SHAFT (See page PR-3)**



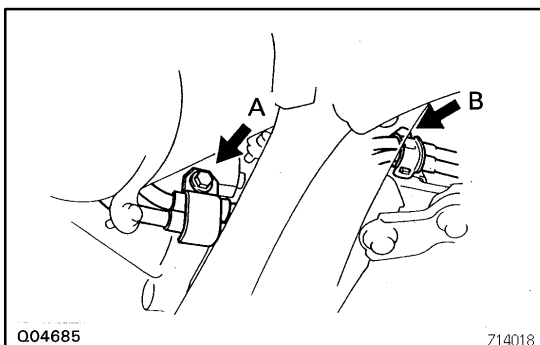
10. **DISCONNECT CONNECTOR AND CABLE FROM STARTER**



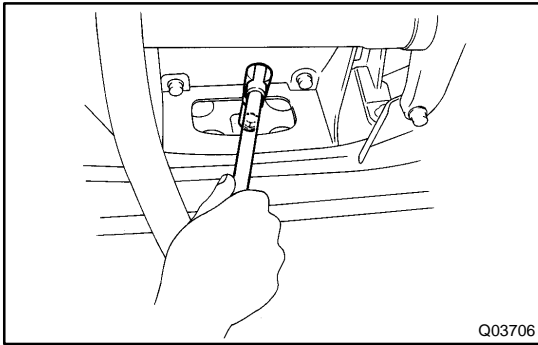
11. **REMOVE 2 OIL COOLER PIPES**
  - (a) Disconnect the 2 oil cooler union nuts.  
Torque: 44 N·m (450 kgf·cm, 32 ft·lbf)



- (b) Disconnect the oil cooler hoses from oil cooler pipes.
- (c) Remove the front oil cooler pipe bracket.  
Torque: 5.5 N·m (55 kgf·cm, 49 in·lbf)



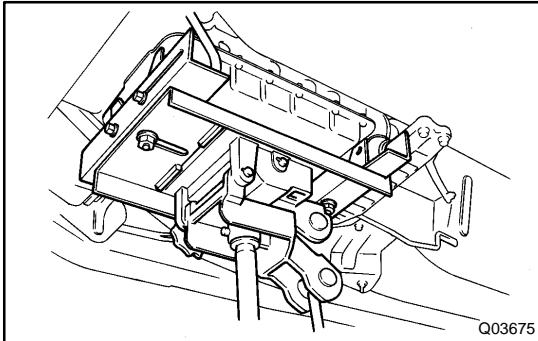
- (d) Remove the center and rear oil cooler pipe brackets.  
Torque:  
Bolt A: 10 N·m (100 kgf·cm, 7 ft·lbf)  
Bolt B: 5.5 N·m (56 kgf·cm, 49 in·lbf)
- (e) Remove the 2 oil cooler pipes.



## 12. REMOVE TORQUE CONVERTER CLUTCH MOUNTING BOLT

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

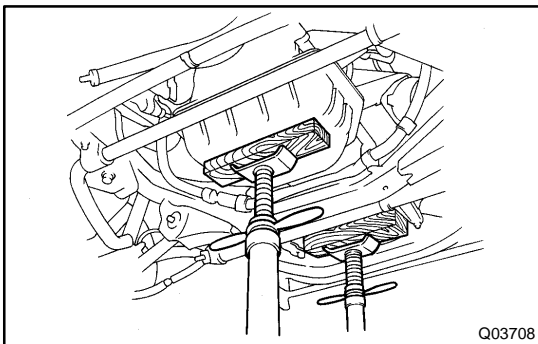
**Torque: 41 N·m (420 kgf·cm, 30 ft·lbf)**



## 13. SET TRANSMISSION JACK

HINT:

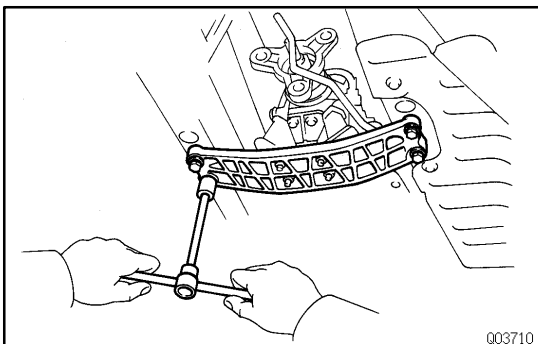
- Make sure the engine and transmission are aligned precisely.
- Adjust the angle of the engine and transmission so that the engine installation surface and transmission surface parallel.



## 14. SUPPORT ENGINE

NOTICE:

Use a wooden block so not to damage the engine oil pan.



## 15. REMOVE TRANSMISSION REAR SUPPORT MEMBER

**Torque: 25 N·m (260 kgf·cm, 19 ft·lbf)**

## 16. LOOSEN NO. 2 EXHAUST PIPE SET NUT

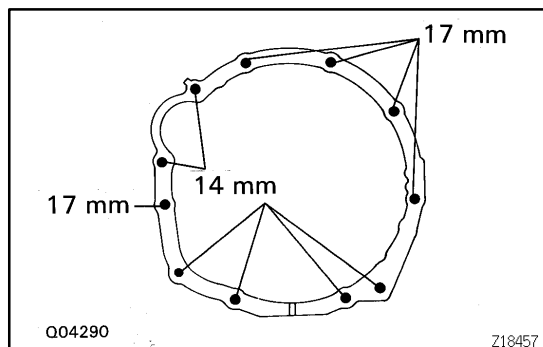
Loosen the 4 set nuts of No. 2 exhaust pipe until the No. 2 exhaust pipe can move freely.

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

## 17. DISCONNECT CONNECTOR

Lower the transmission and disconnect the connectors of No.1 vehicle speed sensor, No. 2 vehicle speed sensor, O/D direct clutch speed sensor, C2 drum speed sensor, park/neutral position switch and 2 solenoid wires.

## 18. DISCONNECT WIRE HARNESS FROM EACH WIRE HARNESS CLAMP



**19. REMOVE STARTER AND TRANSMISSION SET BOLTS**

**Torque:**

**14 mm bolt: 37 N·m (380 kgf·cm, 27 ft·lbf)**

**17 mm bolt: 72 N·m (730 kgf·cm, 53 ft·lbf)**

**20. REMOVE TRANSMISSION FROM ENGINE**