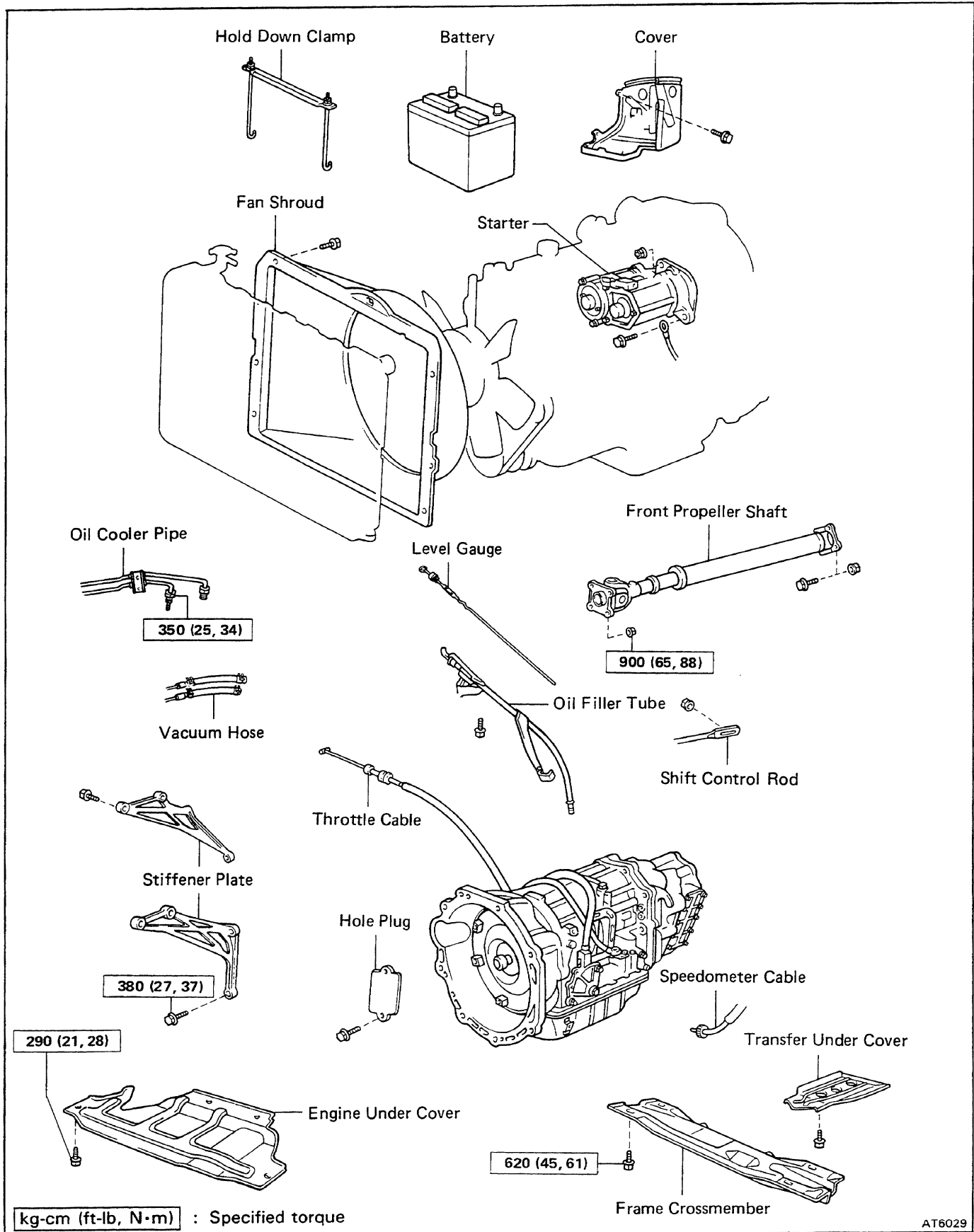
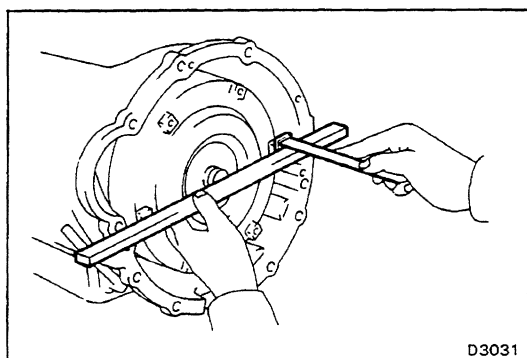
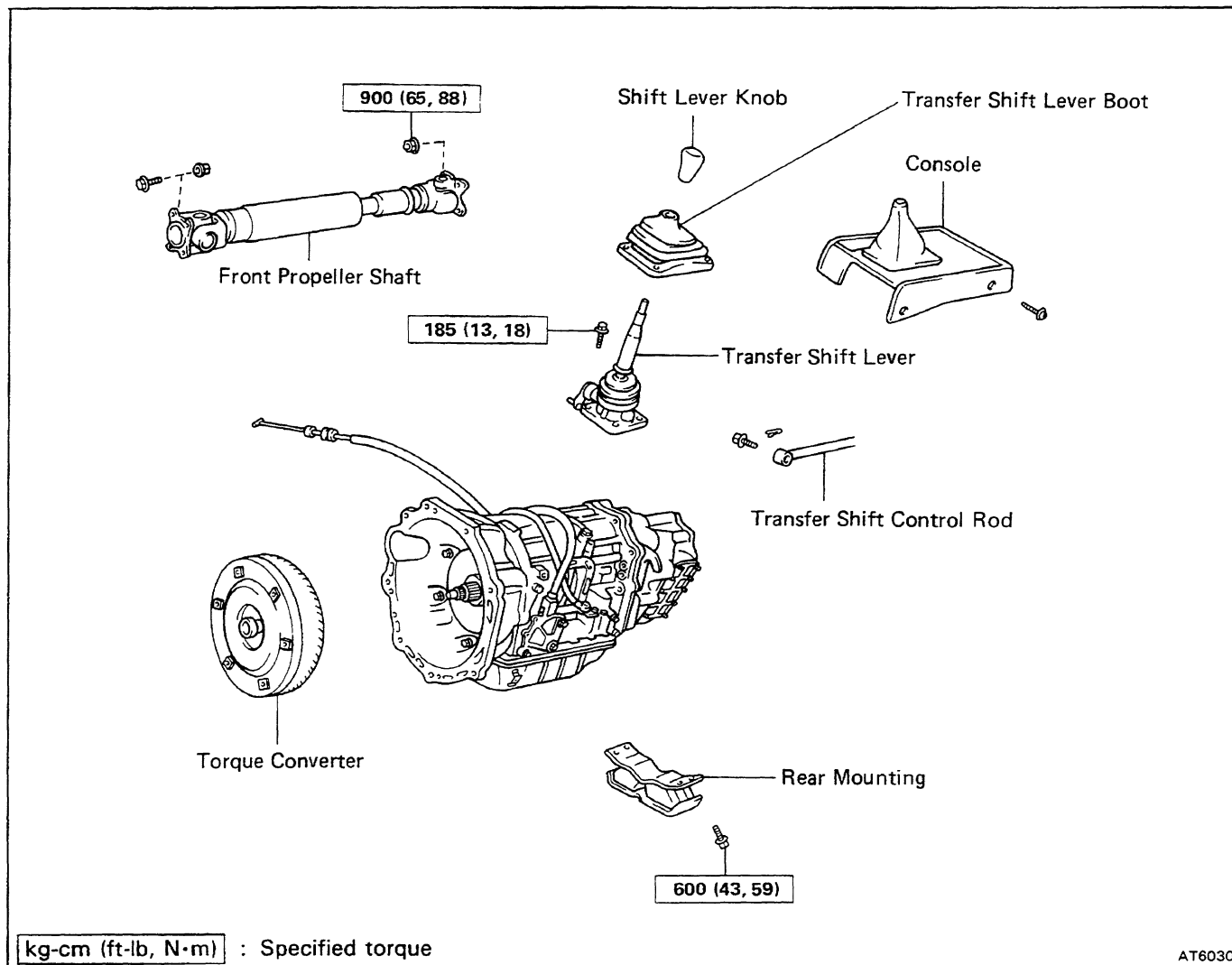


REMOVAL AND INSTALLATION OF TRANSMISSION

Remove and install the parts as shown.



(Cont'd)**(MAIN POINT OF INSTALLATION)****1. CHECK TORQUE CONVERTER INSTALLATION**

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

Correct distance: 15.7 mm (0.618 in.) or more

If the distance is less than the required standard, check for improper installation.

2. ADJUST TRANSMISSION THROTTLE CABLE

(See page [AT-13](#))

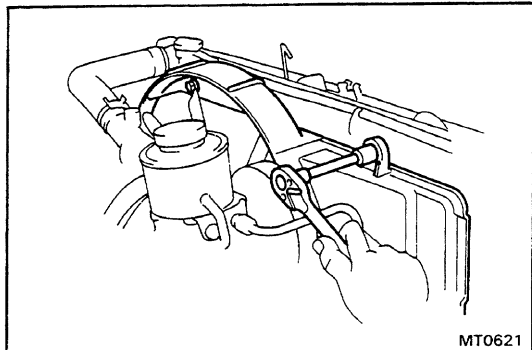
3. FILL TRANSMISSION WITH ATF AND CHECK FLUID LEVEL (See page [AT-12](#))

NOTICE: Do not overfill.

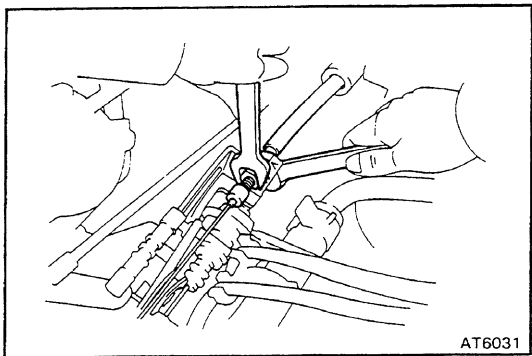
Fluid type: ATF DEXRON® II

REMOVAL OF TRANSMISSION

1. DISCONNECT BATTERY CABLE FROM NEGATIVE TERMINAL
2. REMOVE BATTERY AND COVER

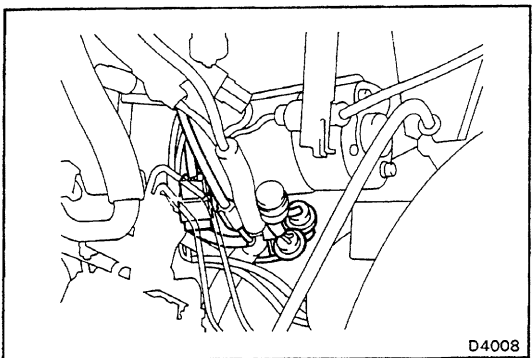


3. LOOSEN THE FAN SHROUD OF THE COOLING FAN TO AVOID DAMAGE TO THE FAN



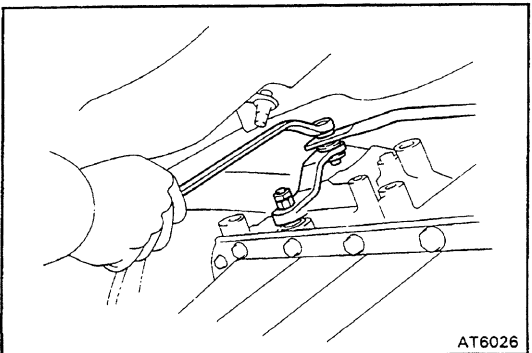
4. DISCONNECT THROTTLE CABLE

- (a) Loosen the adjusting nuts and disconnect the cable housing from the bracket.
- (b) Disconnect the cable from the throttle linkage.



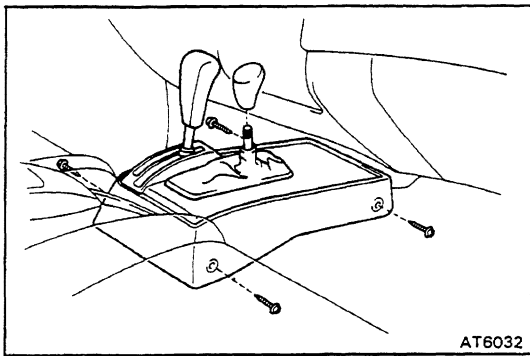
5. DISCONNECT CONNECTORS

Disconnect the connectors near the starter.

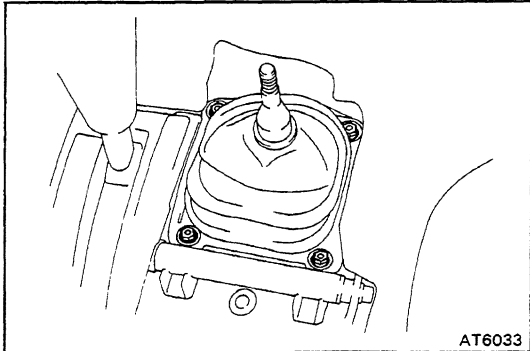


6. REMOVE TRANSFER SHIFT LEVER

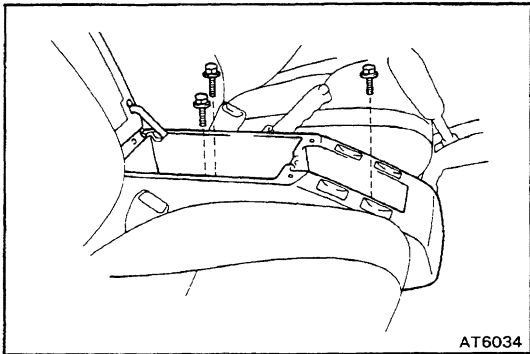
- (a) Remove the nut and the transmission control rod.



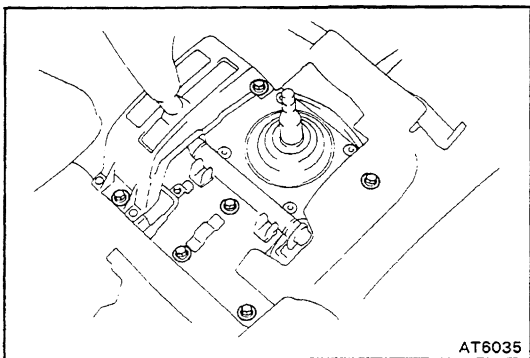
- (b) Remove the transfer shift lever knob.
- (c) Remove four screws and the console.



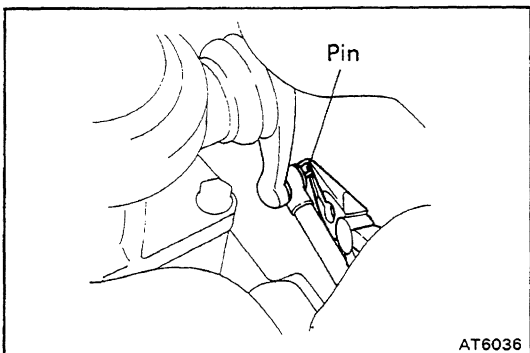
- (d) Remove four bolts and transfer shift lever boot.



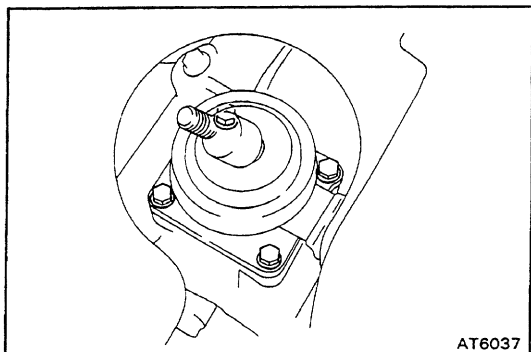
- (e) Remove three bolts and the console box.



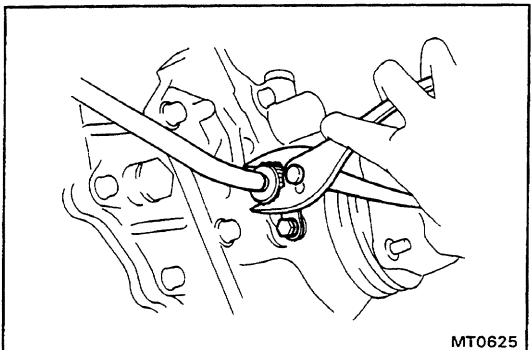
Remove the six bolts and the transmission shift lever assembly.



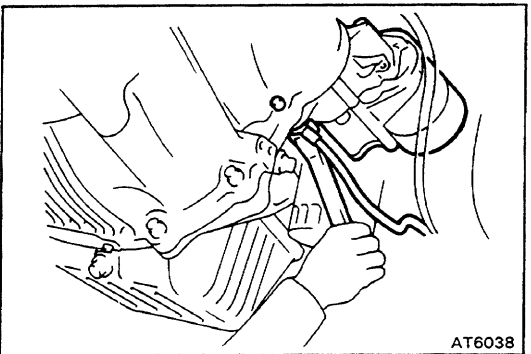
- (g) Pull out the pin and disconnect the shift rod.



(h) Remove the four bolts and the transfer shift lever.



7. DISCONNECT SPEEDOMETER CABLE

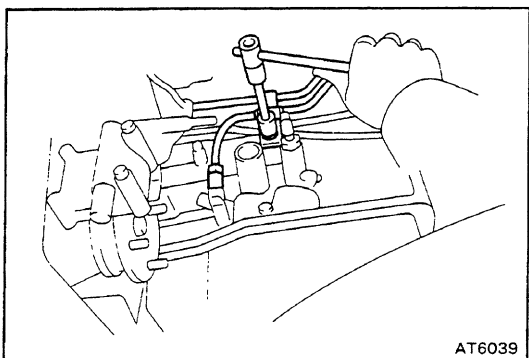


8. REMOVE FRONT AND REAR PROPELLER SHAFTS (See page [PR-2](#))

9. REMOVE STARTER

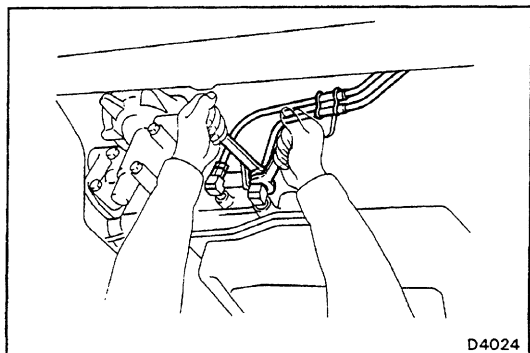
- (a) Disconnect the connector and cable.
- (b) Remove the bolt, nut and starter.

10. REMOVE OIL FILLER TUBE

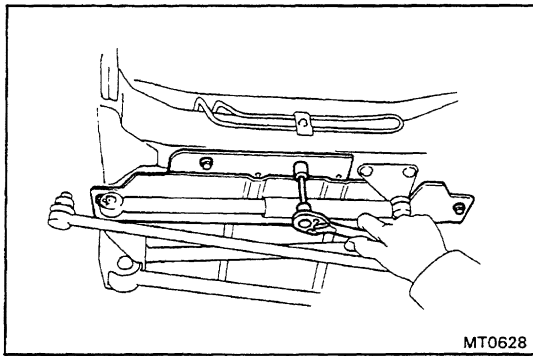


11. DISCONNECT TWO OIL COOLER TUBES

- (a) Remove the cooler tube clamps.

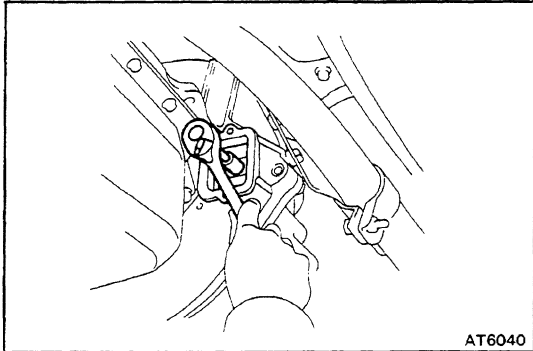


- (b) Disconnect the two oil cooler tubes.



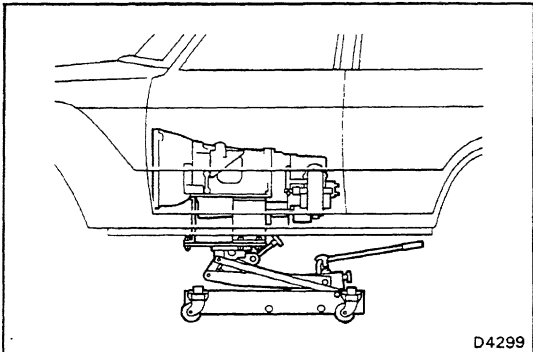
12. REMOVE UNDERCOVER

Remove four bolts and the under cover.



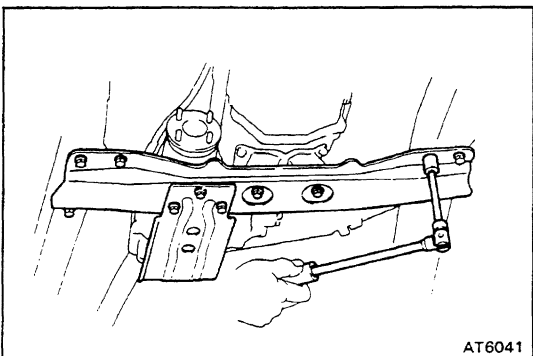
13. REMOVE SIX TORQUE CONVERTER MOUNTING BOLTS

- (a) Remove the end plate hole plug.
- (b) Turn the crankshaft to gain access to each bolt. Remove six bolts.

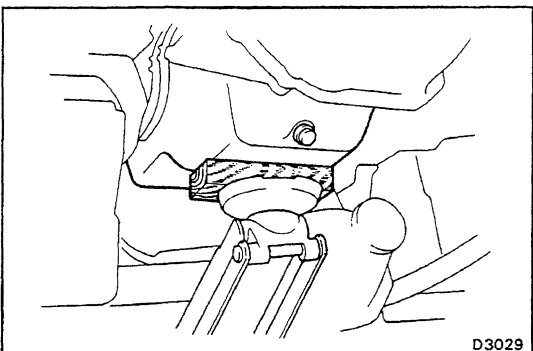


14. REMOVE FRAME CROSSMEMBER

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

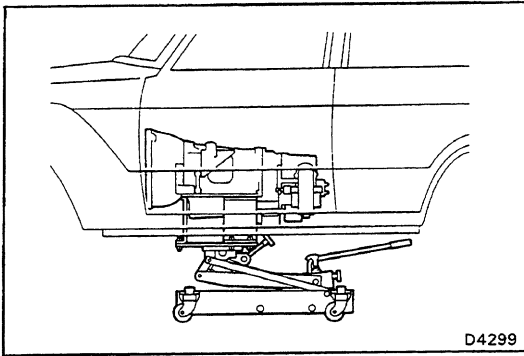


- (b) Remove the eight bolts and two nuts, and then remove the frame crossmember.



15. REMOVE TRANSMISSION ASSEMBLY

- (a) Be sure to put a wooden block or equivalent between the jack and the oil pan to prevent damage. Support the oil pan with a jack.
- (b) Lower the rear end of transmission.



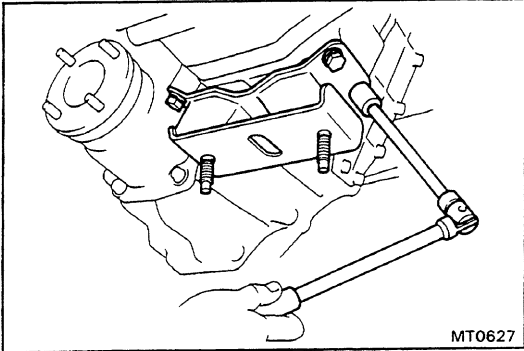
INSTALLATION OF TRANSMISSION

1. PLACE TRANSMISSION AT INSTALLATION POSITION

Jack up and push the transmission fully into position.

2. INSTALL TRANSMISSION BOLTS

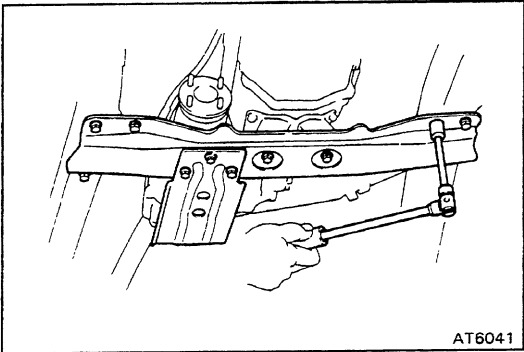
Torque: 730 kg-cm (53 ft-lb, 72 N-m)



3. INSTALL ENGINE REAR MOUNTING AND CROSSMEMBER

(a) Install mounting with four bolts to the transmission.

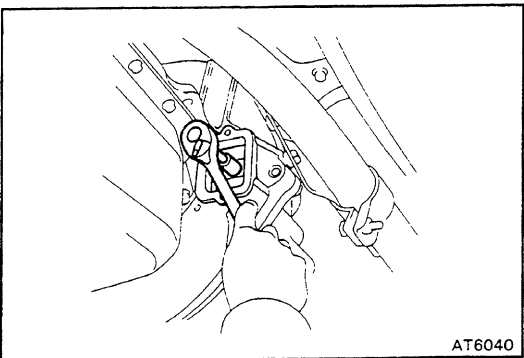
Torque: 600 kg-cm (43 ft-lb, 59 N-m)



(b) Install the crossmember with eight bolts and two nuts.

Torque: Bolt 620 kg-cm (45 ft-lb, 61 N-m)

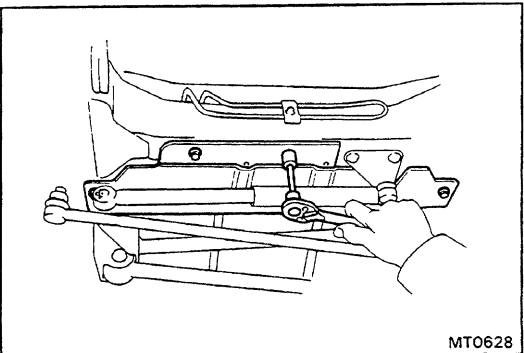
Nut 600 kg-cm (43 ft-lb, 59 N-m)



4. INSTALL TORQUE CONVERTER MOUNTING BOLTS

(a) Install the six bolts while turning the crankshaft.

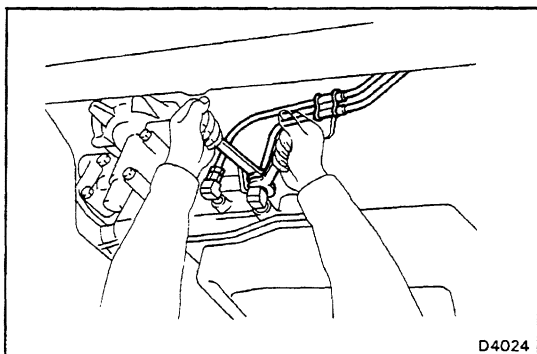
(b) Install the end plate hole plug.



5. INSTALL UNDER COVER

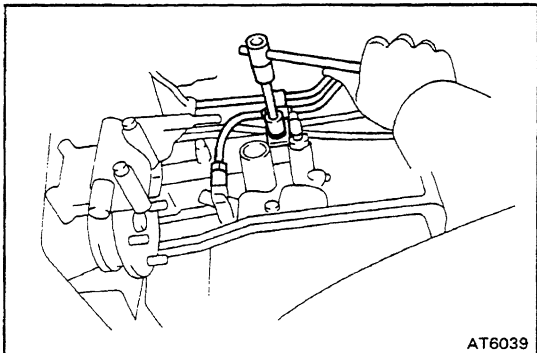
Install the under cover with four bolts.

Torque: 290 kg-cm (21 ft-lb, 28 N-m)

**6. CONNECT TWO OIL COOLER TUBES**

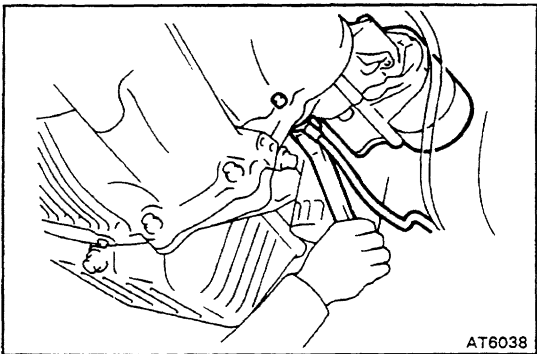
(a) Connect the two oil cooler tubes.

Torque: 350 kg-cm (25 ft-lb, 34 N-m)



(b) Install the cooler clamp.

Torque: 100 kg-cm (7 ft-lb, 10 N-m)

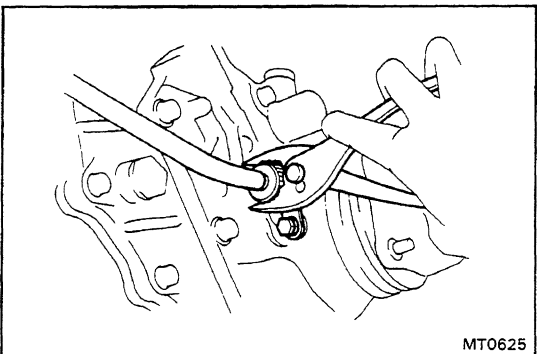
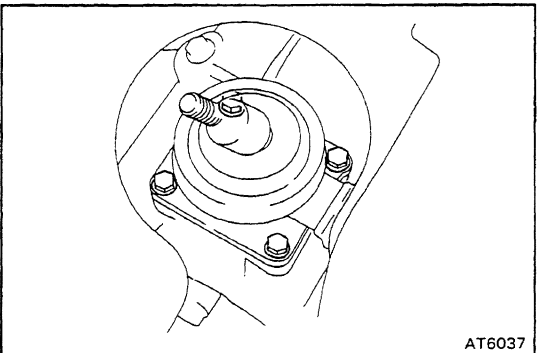
**7. INSTALL FRONT AND REAR PROPELLER SHAFTS**

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

8. INSTALL OIL FILLER TUBE**9. INSTALL STARTER**

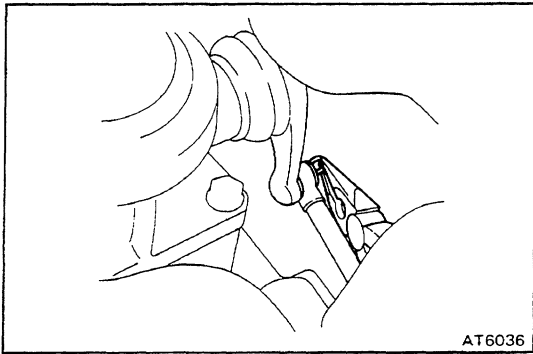
(a) Install bolt, nut and the starter.

(b) Connect the connector and cable.

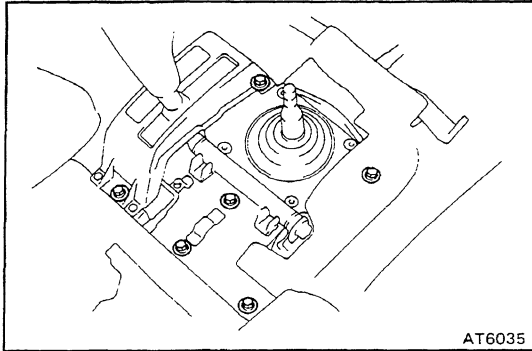
**10. CONNECT SPEEDOMETER CABLE****11. INSTALL TRANSFER SHIFT LEVER**

(a) Install the shift lever with four bolts.

Torque: 185 kg-cm (13 ft-lb, 18 N-m)



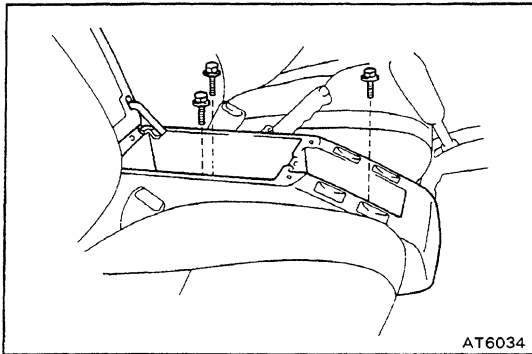
(b) Connect the shift rod and install the pin.



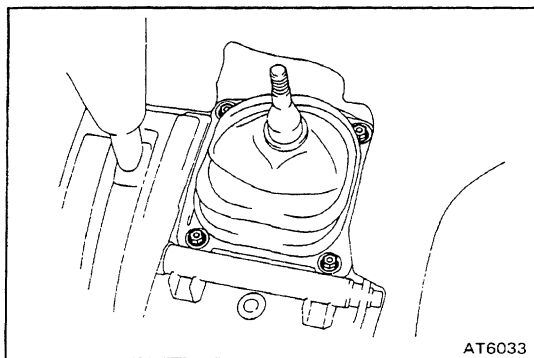
(c) Install the transmission shift lever assembly with six bolts.

Torque: 55 kg-cm (48 in.-lb, 5.4 N-m)

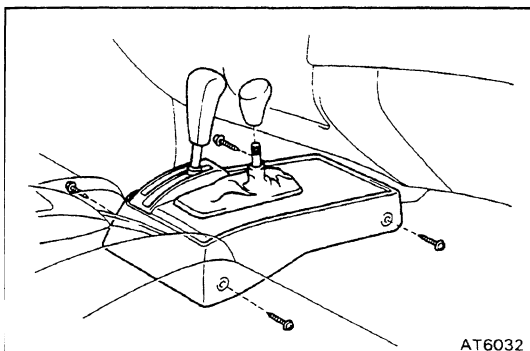
(d) Connect the connector.



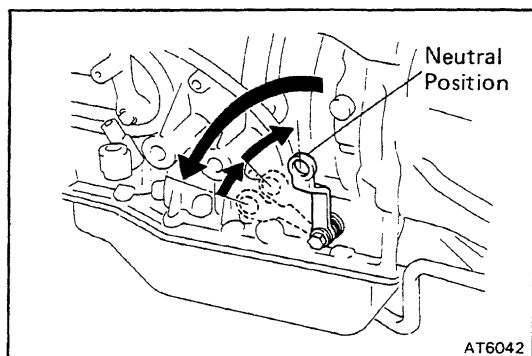
(e) Install the console box with three bolts.



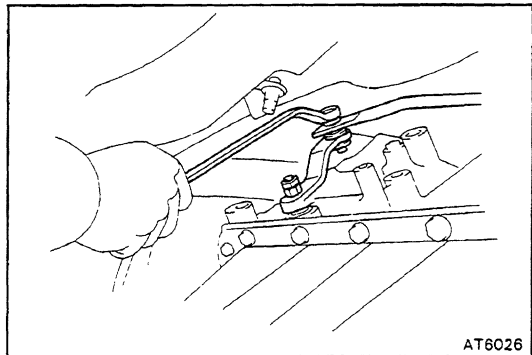
(f) Install transfer shift lever boot.



(g) Install the console and transfer shift lever knob.

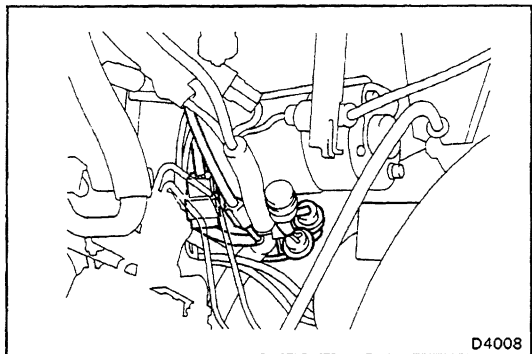


- (h) Shift the shift lever from N position.
- (i) Fully turn the control shaft lever back and return two notches. It is now in neutral position.



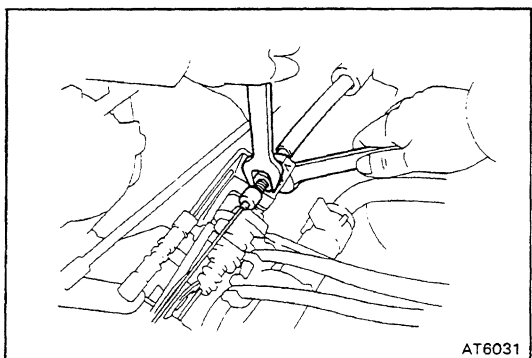
Install the transmission control rod.

Torque: 130 kg-cm (9 ft-lb, 13 N-m)



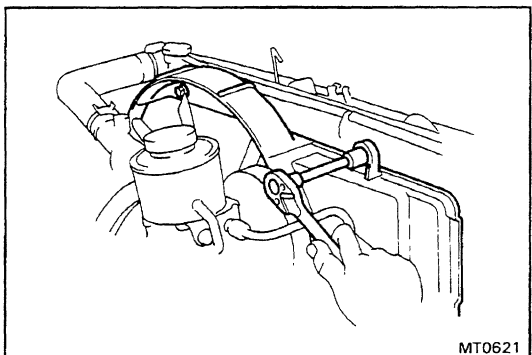
12. CONNECT CONNECTORS

Connect the connectors near the starter.



13. CONNECT THROTTLE CABLE

- (a) Connect the cable from the throttle linkage
- (b) Tighten the adjusting nuts and connect the cable housing from the bracket.



14. TIGHTEN THE FAN SHROUD OF THE COOLING FAN TO AVOID DAMAGE TO THE FAN

15. INSTALL BATTERY AND COVER

16. CONNECT BATTERY CABLE FROM NEGATIVE TERMINAL