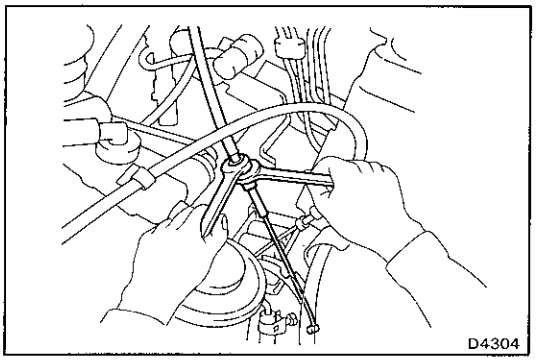
REMOVAL OF TRANSMISSION

1. **DISCONNECT BATTERY CABLE FROM NEGATIVE TERMINAL**

2. **DRAIN COOLANT**

   Open the radiator drain cock and drain coolant into a suitable container.

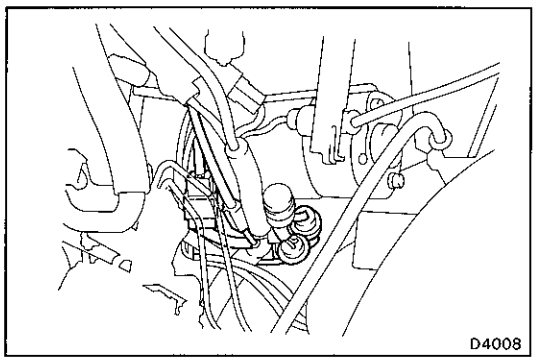
3. **DISCONNECT UPPER RADIATOR HOSE**



4. **DISCONNECT THROTTLE CABLE**

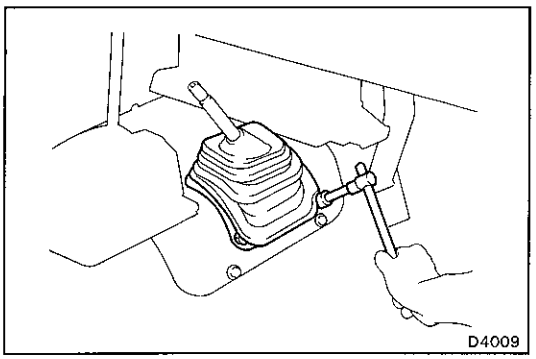
   (a) Loosen the adjusting nuts, and disconnect the cable housing from the bracket.

   (b) Disconnect the cable from the throttle linkage.



5. **DISCONNECT CONNECTORS**

   Disconnect the connectors located near the starter.



6. **REMOVE TRANSFER SHIFT LEVER BOOT**

   (a) Remove the shift lever knob.

   (b) Remove the four bolts and shift boot.

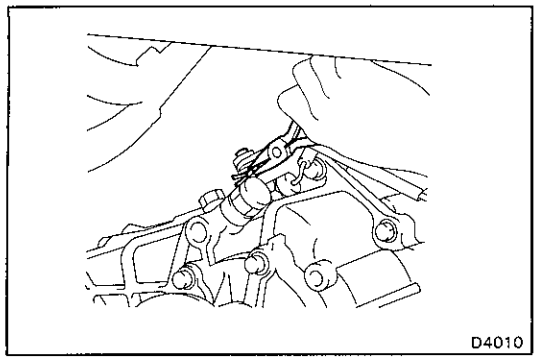
7. **RAISE VEHICLE AND DRAIN TRANSMISSION**

   NOTICE: Be sure the vehicle is securely supported.

8. **REMOVE TRANSMISSION UNDER COVER AND TRANSFER UNDER COVER**

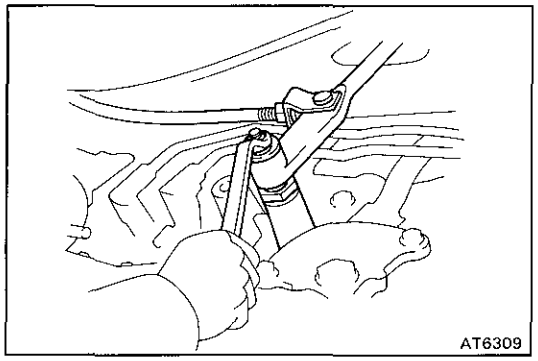
9. **DRAIN ATF**

   Remove the drain plug and drain ATF into a shift rod from the transfer.

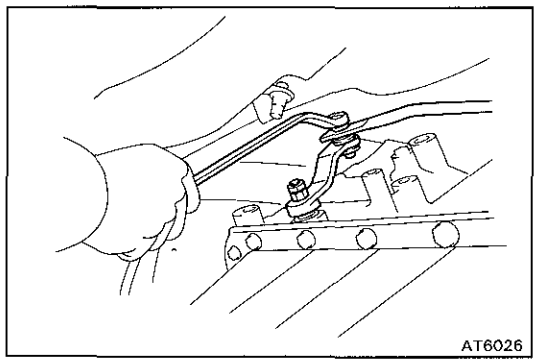


10. **REMOVE TRANSFER SHIFT LEVER**

    (a) Remove the clip and pin, disconnect the shift rod from the transfer.

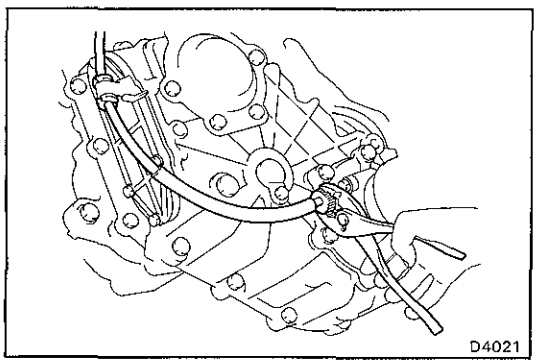


(b) Remove the nut and then remove the washers and the transfer shift lever with control rod.



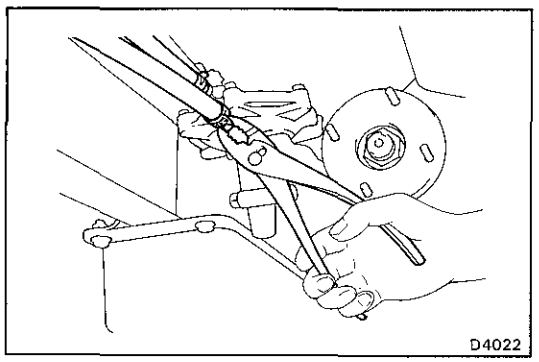
11. DISCONNECT TRANSMISSION CONTROL ROD

Remove the nut and disconnect the control rod from the control shaft lever.

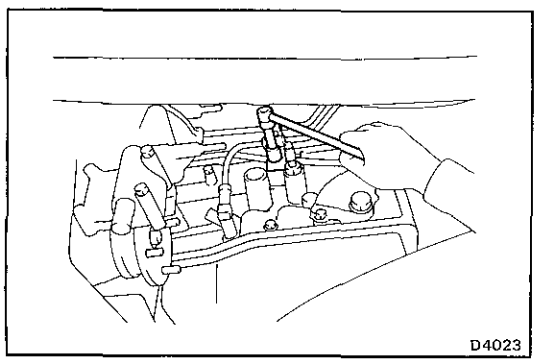


12. REMOVE PROPELLER SHAFT (See page PR-2)

13. DISCONNECT THE SPEEDOMETER CABLE

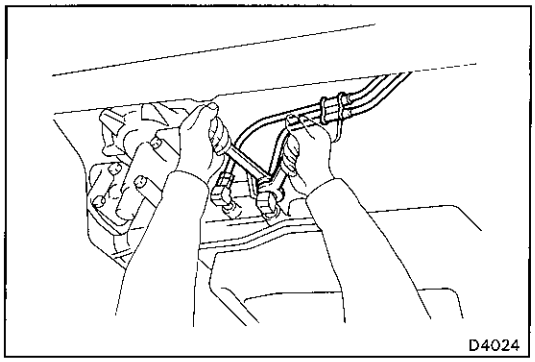


14. DISCONNECT TWO VACUUM HOSES

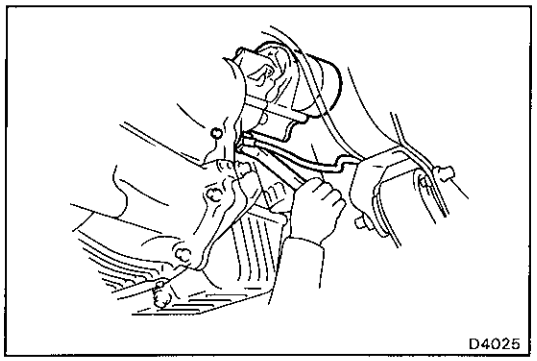


15. DISCONNECT TWO OIL COOLER TUBES

(a) Remove the cooler tub clamps.



(b) Disconnect the two oil cooler tubes.

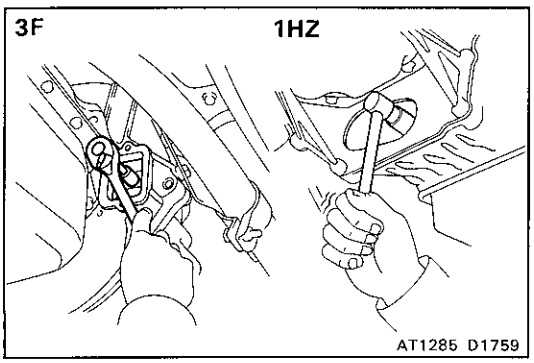


16. REMOVE STARTER

(a) Disconnect the connector and cable.

(b) Remove the bolt, nut and starter.

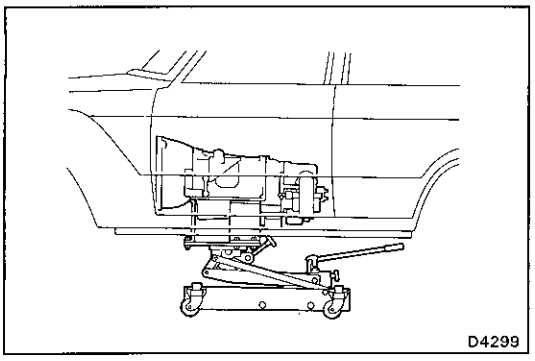
17. REMOVE OIL FILLER TUBE



18. REMOVE SIX TORQUE CONVERTER MOUNTING BOLTS

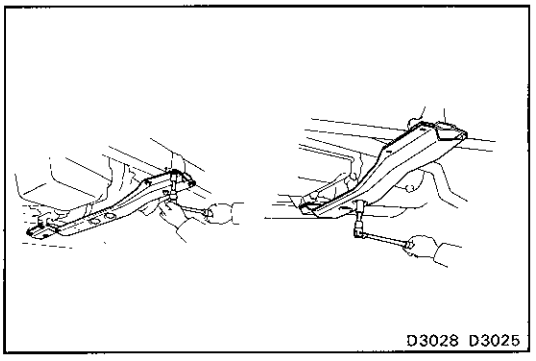
(a) Remove the end plate hole plug.

(b) Turn the crankshaft to gain access to each bolt. Remove the six bolts.

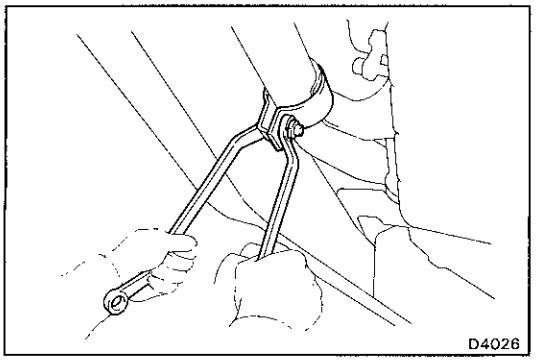


19. REMOVE FRAME CROSSMEMBER

(a) Support the transmission with the transmission jack.

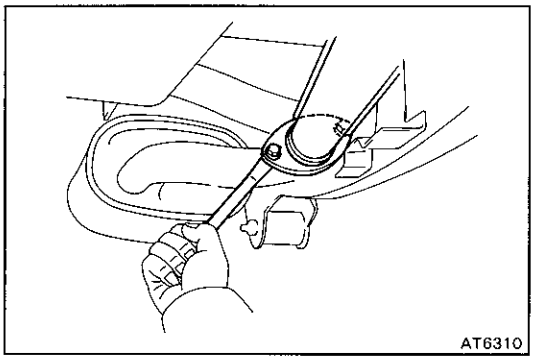


(b) Remove the eight bolts and two nuts, and then remove the frame crossmember.

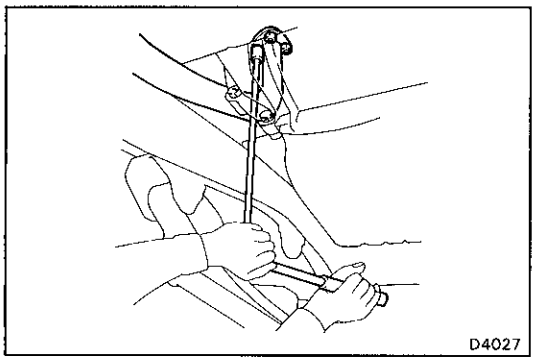


20. DISCONNECT EXHAUST FRONT PIPE

(a) Remove the exhaust pipe clamp.

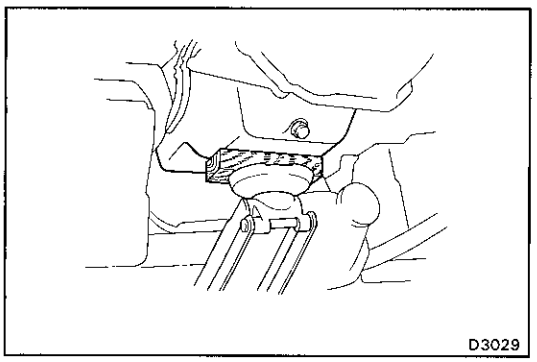


(b) Remove the two bolts and disconnect the front pipe from the tail pipe.



(c) Remove the three nuts and front pipe from the exhaust manifold.

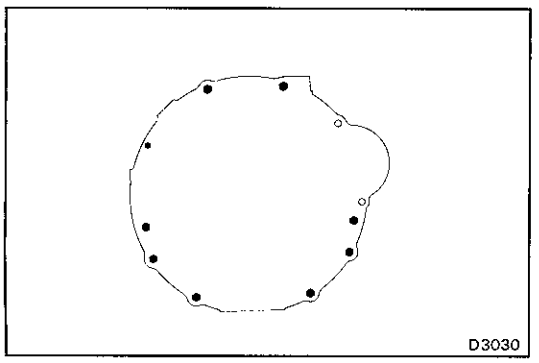
(d) Remove the two gaskets.



21. REMOVE TRANSMISSION ASSEMBLY

(a) Be sure to put a wooden block between the jack and the engine oil pan to prevent damage. Support the oil pan with a jack.

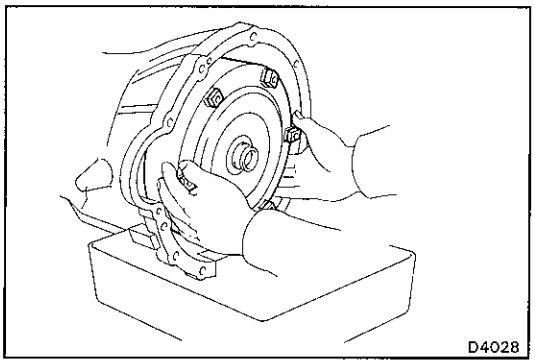
(b) Lower the rear end of transmission.



(c) Remove the nine transmission mounting bolts.

(d) Draw out the transmission down and toward the rear.

NOTICE: Be careful not to snag the throttle cable or neutral start switch cable. Keep the oil pan positioned downward.



22. PLACE PAN UNDER CONVERTER HOUSING, AND REMOVE CONVERTER

Pull the converter straight off, and allow the fluid to drain into the pan.