

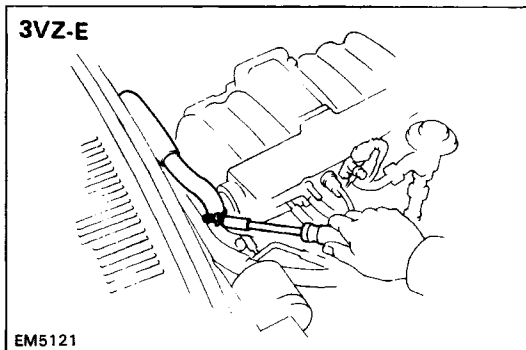
EM5051

## REMOVAL OF TRANSMISSION WITH TRANSFER

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

**2. REMOVE FAN SHROUD SET BOLTS**

Remove the four bolts.



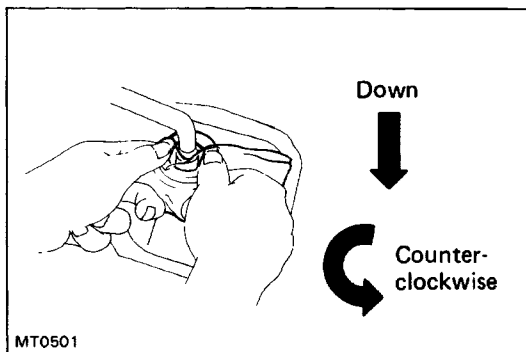
EM5121

**3. ( 3 VZ-E )**

**REMOVE HEATER HOSE CLAMP**

(a) Loosen clamp bolt.

(b) Move the clamp upside.



MT0501

**4. REMOVE TRANSMISSION SHIFT LEVER FROM INSIDE OF VEHICLE**

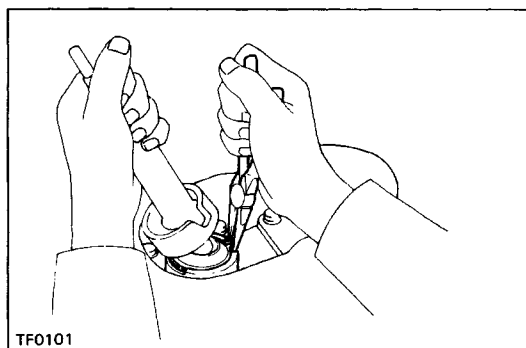
(a) Remove the four screws and remove the shift lever boot retainer.

(b) Pull up the shift lever boot.

(c) Cover the shift lever cap with cloth.

(d) Then, pressing down on the shift lever cap, rotate it counterclockwise to remove.

(e) Remove the shift lever.



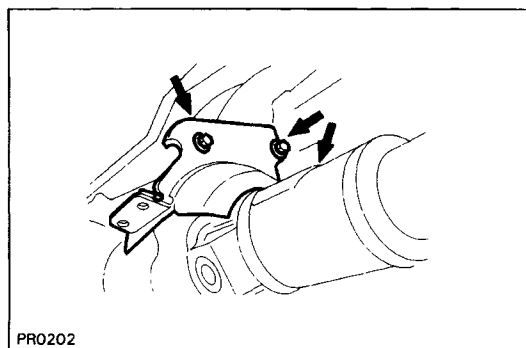
TF0101

**5. REMOVE TRANSFER SHIFT LEVER FROM INSIDE OF VEHICLE**

Using pliers, remove the snap ring and pull out the shift lever from the transfer.

**6. RAISE VEHICLE AND DRAIN TRANSMISSION AND TRANSFER OIL**

**NOTICE:** Be sure the vehicle is securely supported.

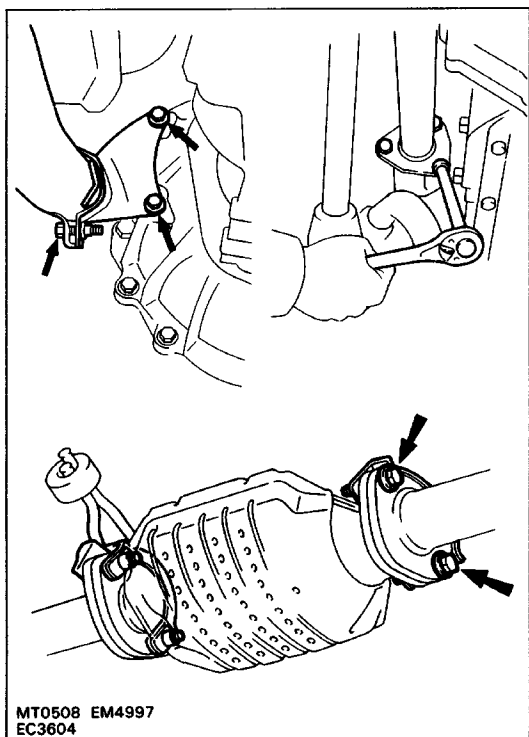


PR0202

**7. ( R 150F, G58 )**

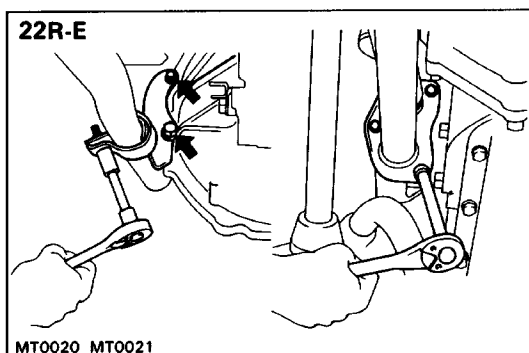
**REMOVE PROPELLER SHAFT DUST COVER SUBASSEMBLY**

Remove the three bolts and cover.

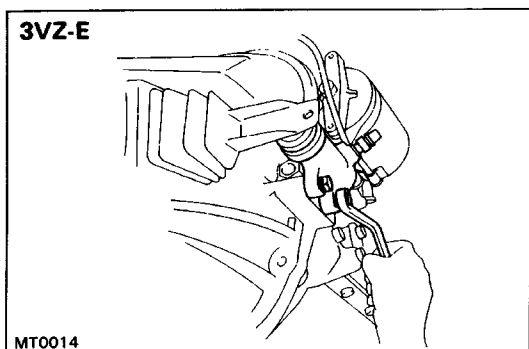
**8. DISCONNECT PROPELLER SHAFT**(See page [PR-5](#))**9. DISCONNECT SPEEDOMETER CABLE, BACK-UP LIGHT SWITCH CONNECTOR AND TRANSFER INDICATOR SWITCH CONNECTOR****10.-1(3VZ-E)****REMOVE EXHAUST PIPE, BRACKET AND CLAMP**

- (a) Remove exhaust pipe clamp.
- (b) Remove exhaust pipe bracket from clutch housing.
- (c) Remove exhaust pipe from exhaust manifold.

- (d) Disconnect exhaust pipe from catalytic converter front side.

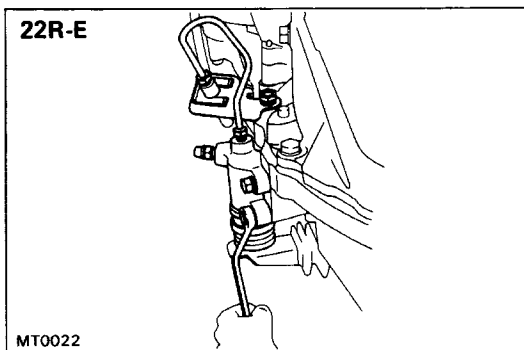
**10.-2 (22R-E)****REMOVE EXHAUST PIPE CLAMP AND EXHAUST PIPE**

- (a) Remove exhaust pipe clamp.
- (b) Remove exhaust pipe from exhaust manifold.

**11.-1 (3VZ-E)****REMOVE CLUTCH RELEASE CYLINDER**

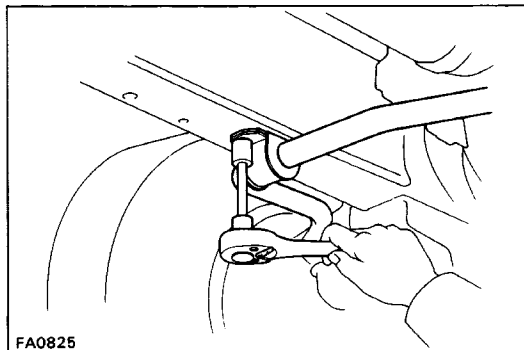
Lay the release cylinder alongside the engine.

**HINT:** Do not disconnect the clutch line.

**11.-2 (22R-E)****REMOVE CLUTCH RELEASE CYLINDER, TUBE BRACKET**

Remove the mounting bolts and lay the cylinder alongside the engine.

HINT: Do not disconnect the clutch line.

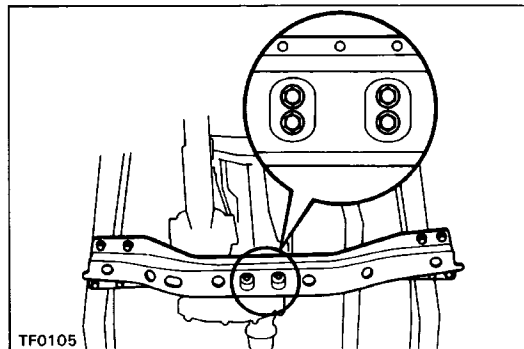
**12. (3VZ-E)****REMOVE THE FRONT DIFFERENTIAL SET BOLTS**

(a) Remove the three bolts.

(b) Support the front differential.

**13. REMOVE THE STABILIZER BRACKET SET BOLTS**

Remove four bolts.

**14. REMOVE NO.2 FRAME CROSSMEMBER FROM SIDE FRAME**

(a) Remove the four bolts from the engine rear mounting.

(b) Raise the transmission slightly with a jack.

(c) Remove the eight bolts from the side frame and remove the No.2 frame crossmember.

**15. (22R-E)****PLACE PIECE OF WOOD BETWEEN ENGINE OIL PAN AND FRONT AXLE****16. LOW TRANSMISSION WITH TRANSFER****17. REMOVE STARTER**

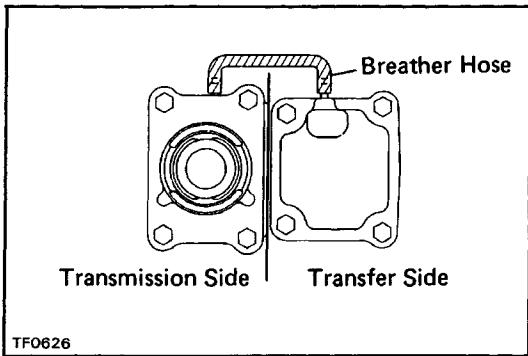
(a) Remove the two bolts.

(b) Lay the starter alongside the engine.

**18. REMOVE EXHAUST PIPE BRACKET AND STIFFENER PLATE BOLTS****19. REMOVE REMAINING TRANSMISSION BOLTS****20. REMOVE TRANSMISSION WITH TRANSFER**

(a) Draw out the transmission with the transfer toward the rear.

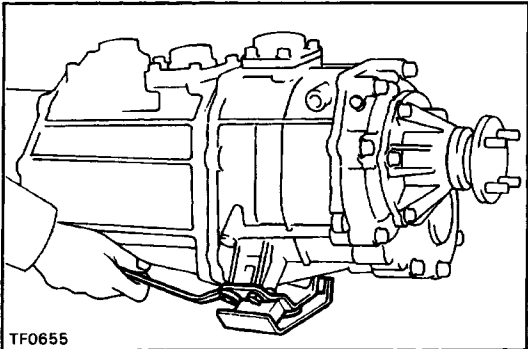
(b) Lower the transmission with the transfer front and remove it from the vehicle.



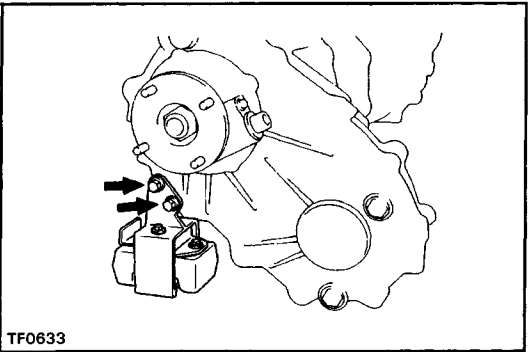
**21. (22R-E/G58)**

**REMOVE BREATHER HOSE**

Disconnect the breather hose from transfer upper cover and transmission control retainer.

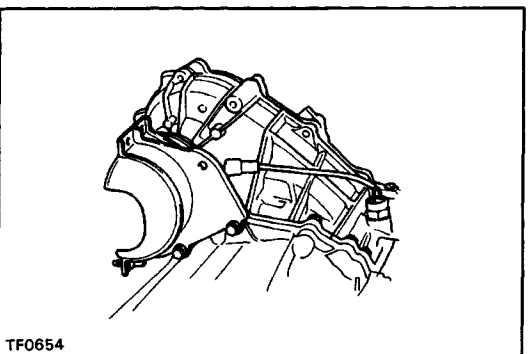


**22. REMOVE ENGINE REAR MOUNTING**



**23. (Regular Cab w/ Planetary Gear Type Transfer)**

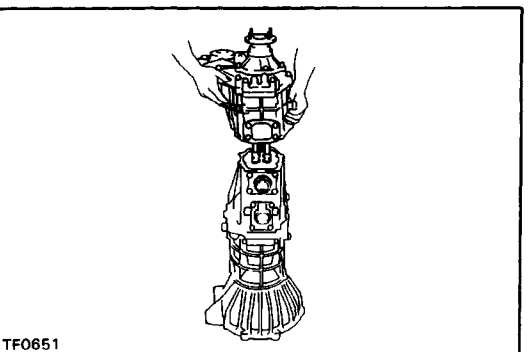
**REMOVE DYNAMIC DAMPER**



**24. REMOVE PROPELLER SHAFT UPPER DUST COVER AND**

**TRANSFER FROM TRANSMISSION**

- (a) Remove the dust cover bolt from the bracket.
- (b) Remove the transfer adaptor rear mounting bolts.



- (c) Pull the transfer straight up and remove it from the transmission.

HINT: Take care not to damage the adaptor rear oil seal with the transfer input gear spline.