

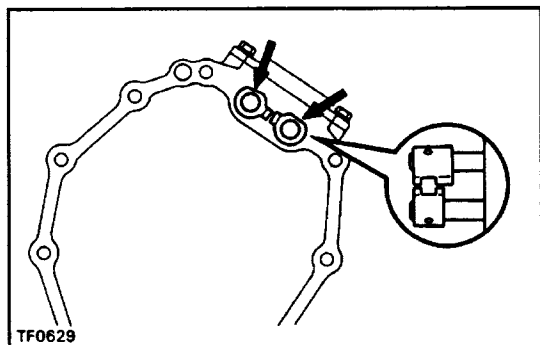
## TRANSFER DISASSEMBLY

(See pages [TR-10](#) and [TR-11](#))

1. REMOVE SPEEDOMETER DRIVEN GEAR
2. REMOVE TRANSFER INDICATOR SWITCH

3. 22R-E/A340E:

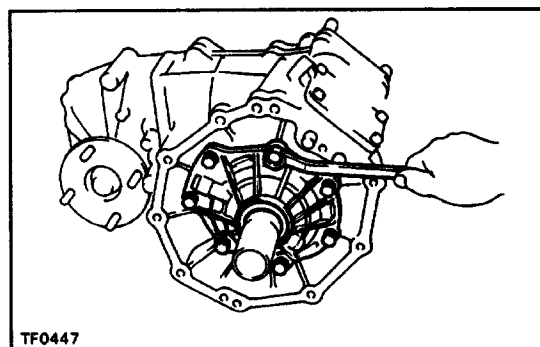
REMOVE TRANSFER L4 AND NEUTRAL POSITION SWITCH



4. 22R-E/G58, A340F:

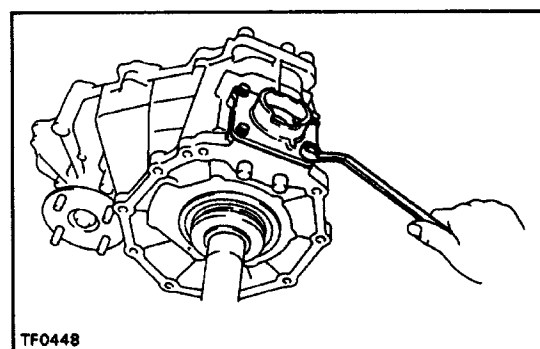
REMOVE SHIFT GEAR HEAD NO.1 AND NO.2

- (a) Using a pin punch and hammer, drive out the 2 slotted spring pins.
- (b) Remove the 2 shift gear heads.



5. REMOVE FRONT RETAINER

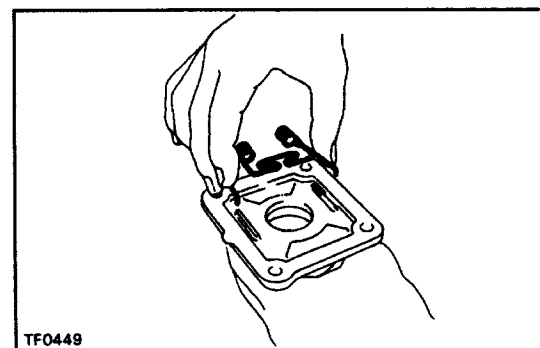
Remove the 7 bolts and the front retainer.



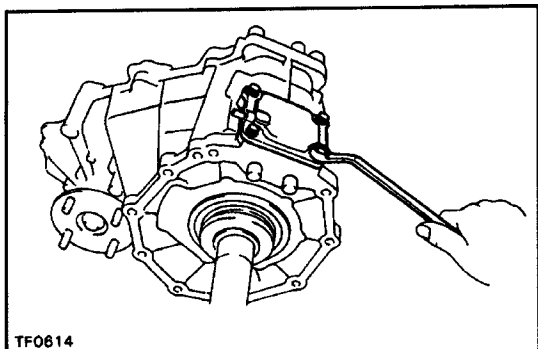
6. 3VZ-E/R150F:

REMOVE CONTROL RETAINER

- (a) Remove the 4 bolts and the control retainer.



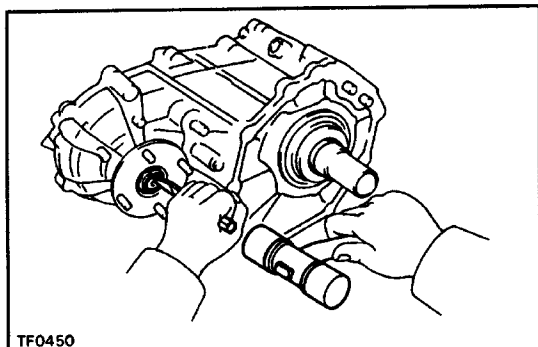
- (b) Remove the select return spring from the retainer.



## 7. 22R-E/G58, A340F:

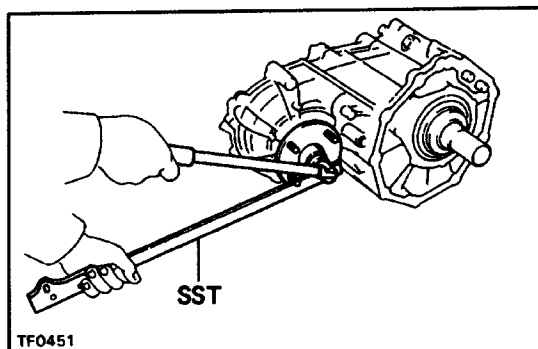
### REMOVE UPPER COVER AND DEFLECTOR

Remove the 4 bolts and the upper cover and breather hose deflector.



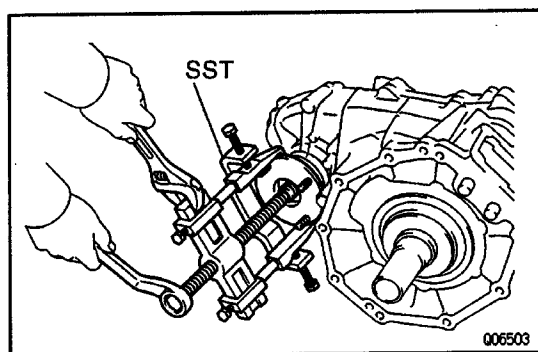
## 8. REMOVE FRONT COMPANION FLANGE

(a) Using a hammer and chisel, loosen the staked part of the nut.



(b) Using SST to hold the flange, remove the companion flange lock nut.

SST 09330-00021

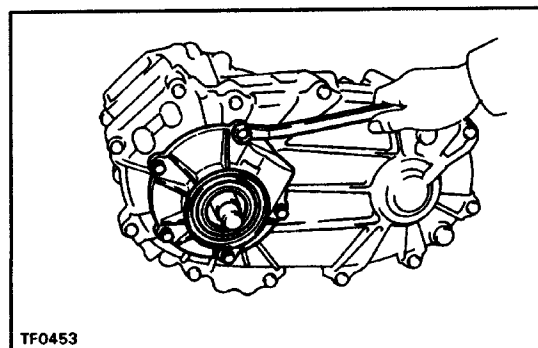


(c) Using SST, remove the companion flange.

SST 09950-40010

## 9. REMOVE REAR COMPANION FLANGE

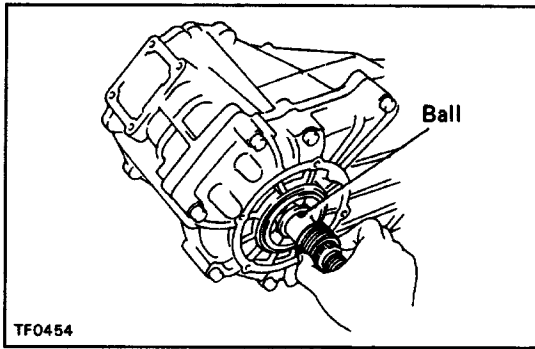
Remove the rear companion flange in the same way as the front companion flange.



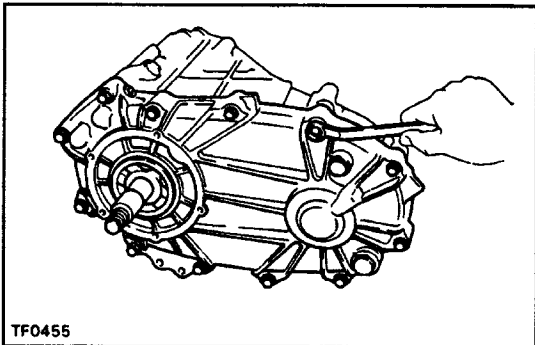
## 10. REMOVE EXTENSION HOUSING

(a) Remove the 5 bolts.

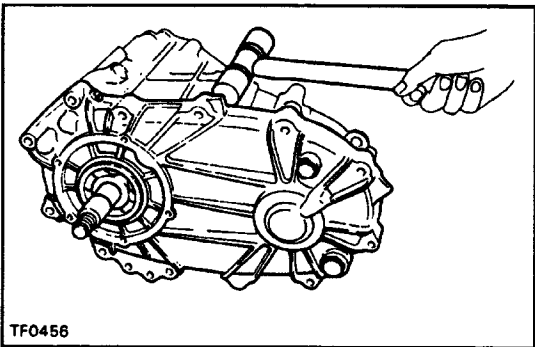
(b) Using a plastic hammer, tap the extension housing and remove it.

**11. REMOVE SPEEDOMETER DRIVE GEAR**

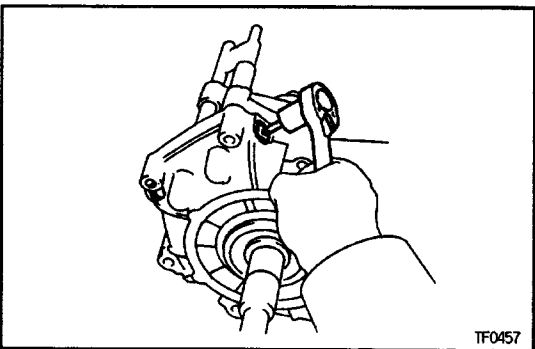
- (a) Remove the speedometer drive gear.
- (b) Using a magnetic finger, remove the ball from the rear output shaft.

**12. SEPARATE FRONT CASE AND REAR CASE**

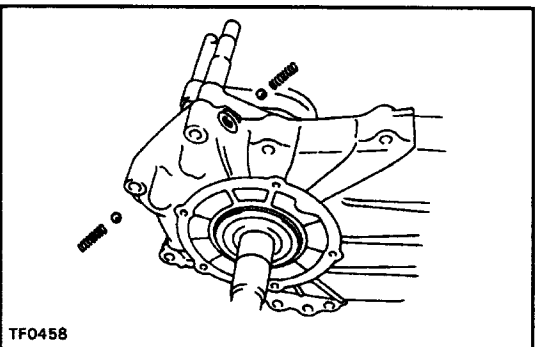
- (a) Remove the 12 bolts.



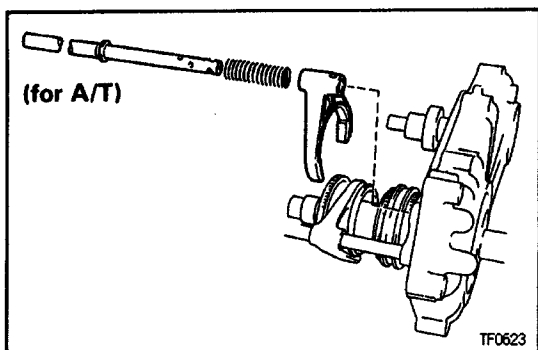
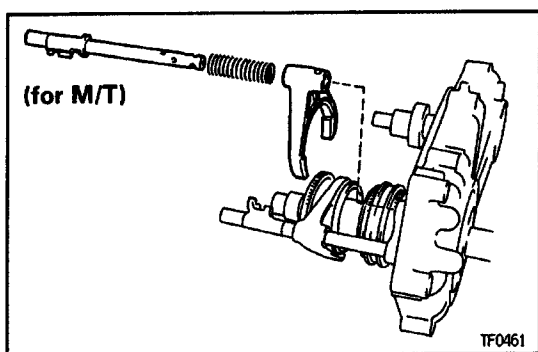
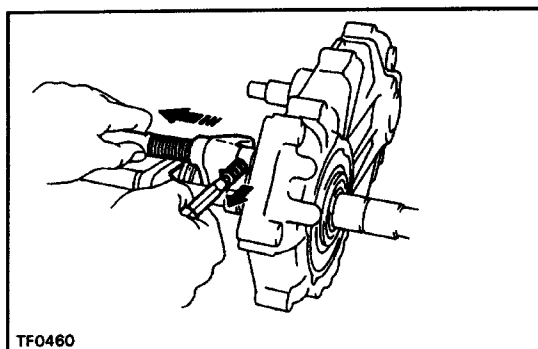
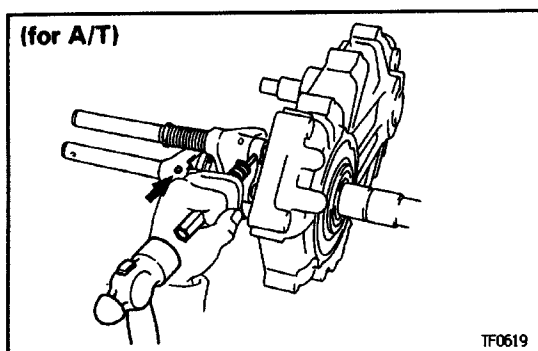
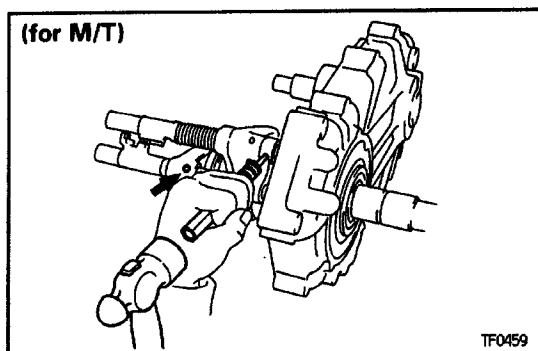
- (b) Using a plastic hammer, tap the rear case and separate the front case and rear case.

**13. REMOVE STRAIGHT SCREW PLUGS, SPRINGS AND LOCKING BALLS**

- (a) Using a hexagon wrench, remove the 2 screws.



- (b) Using a magnetic finger, remove the spring and ball from both holes.



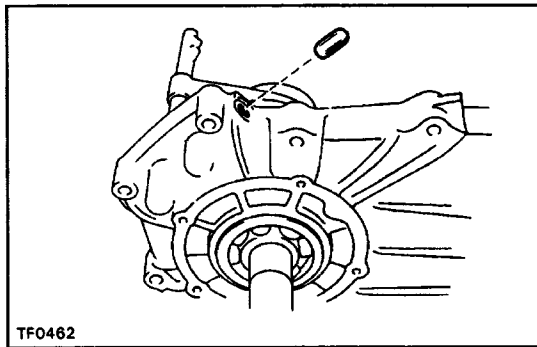
#### 14. REMOVE FRONT DRIVE FORK SHAFT, FORK AND SPRING

- (a) Using a pin punch and hammer, drive out the 2 slotted spring pins.

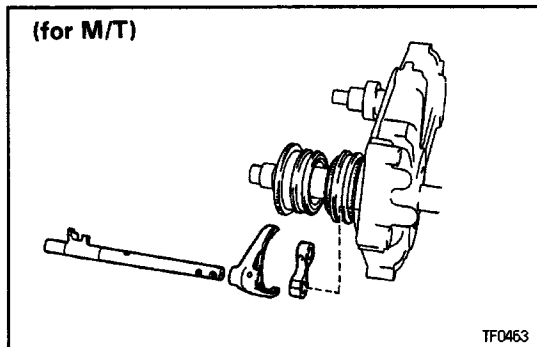
HINT: When the pin is removed from the front drive fork shaft, the shaft will spring loose if the pin punch is removed, so keep the pin punch inserted in the shaft hole.

- (b) Hold the front drive fork shaft in place by hand, when removing the pin punch.

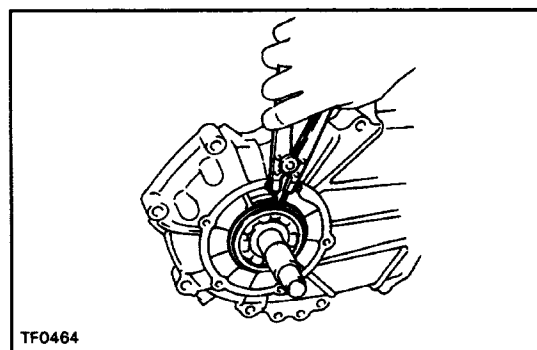
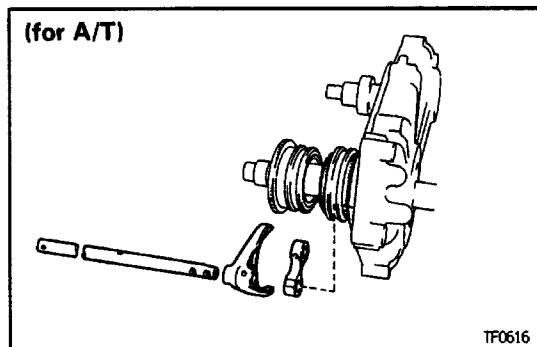
- (c) Remove the front drive fork shaft, spring and fork.



(d) Using a magnetic finger, remove the straight pin.

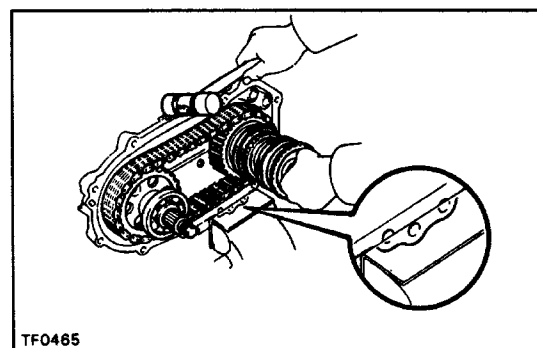


## 15. REMOVE HIGH AND LOW FORK SHAFT, FORK AND STOPPER



## 16. REMOVE REAR OUTPUT SHAFT, DRIVEN SPROCKET AND CHAIN

(a) Using a snap ring expander, remove the snap ring.

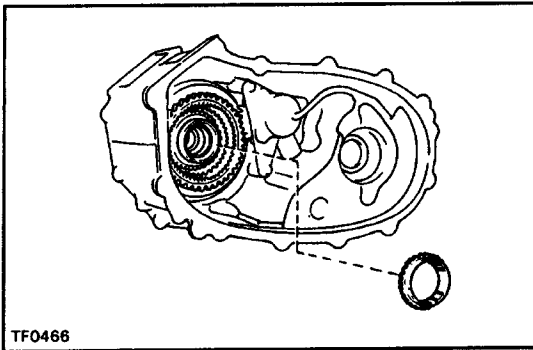
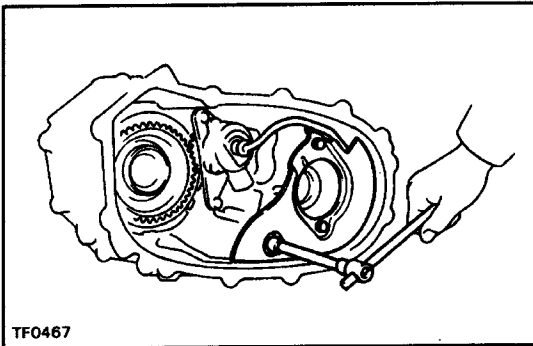


(b) Mount the rear case in the vise.

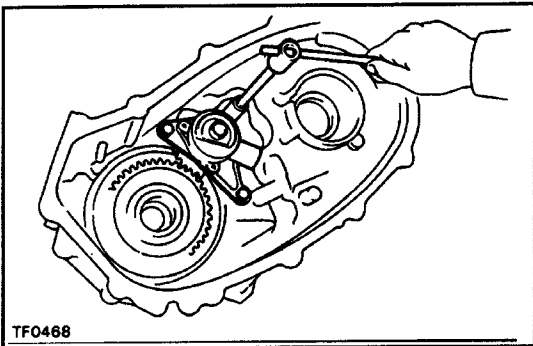
**NOTICE:** Be careful not to damage the sealing surface.

(c) Using a plastic hammer, tap the rear case while pulling on the rear output shaft and driven sprocket.

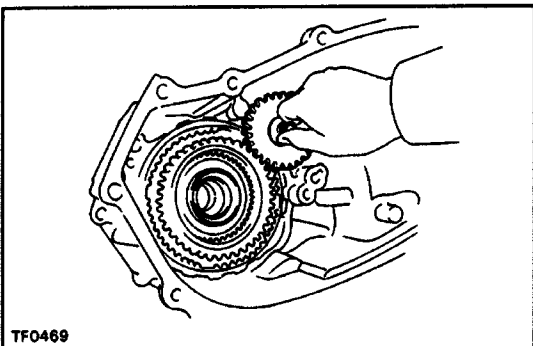
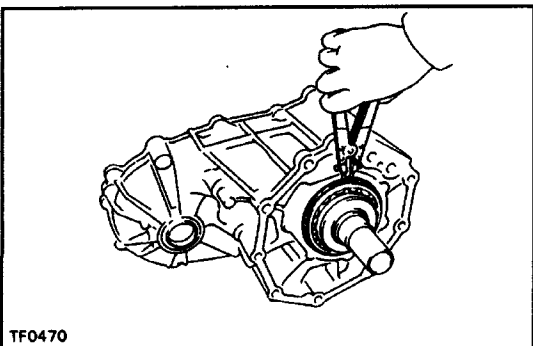
(d) Remove the chain.

**17. M/T:****REMOVE SYNCHRONIZER RING FROM INPUT SHAFT****18. REMOVE SEPARATOR WITH OIL STRAINER**

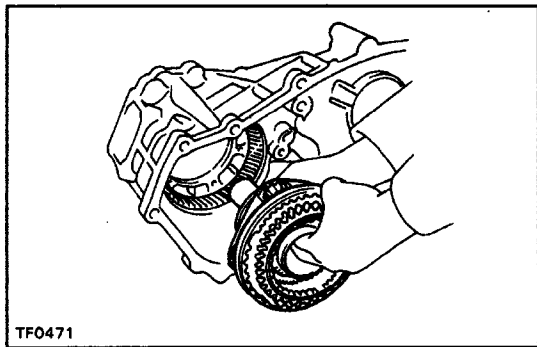
- (a) Remove the 3 bolts and the separator with the oil strainer.
- (b) Remove the O-ring from the oil strainer pipe.

**19. REMOVE OIL PUMP BODY ASSEMBLY**

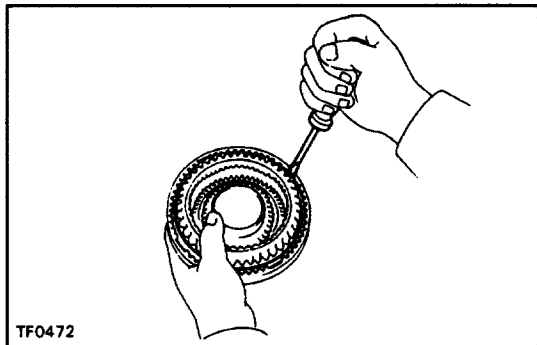
Remove the 3 bolts and the oil pump body assembly.

**20. REMOVE OIL PUMP DRIVE GEAR****21. REMOVE PLANETARY GEAR ASSEMBLY WITH INPUT SHAFT**

- (a) Using a snap ring expander, remove the snap ring.

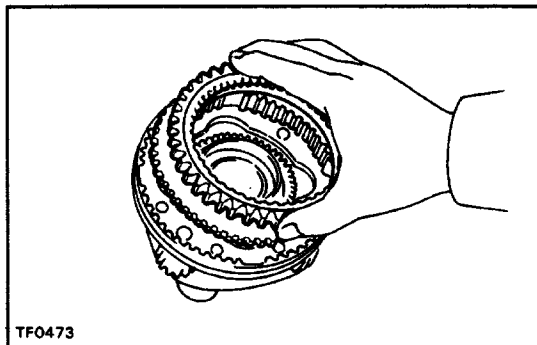


- (b) Pull out the planetary gear assembly with the input shaft.

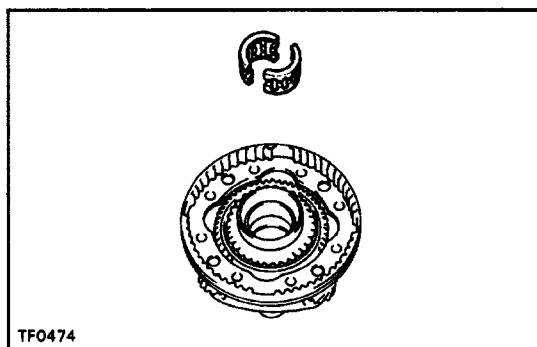


## 22. REMOVE LOW GEAR SPLINE PIECE

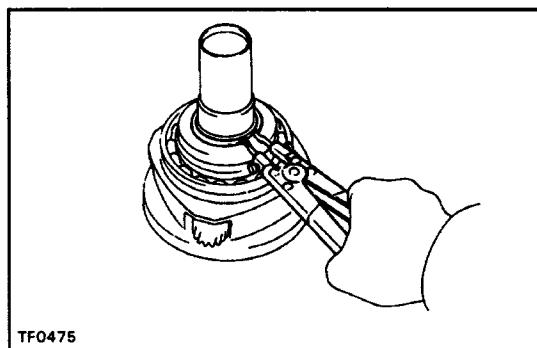
- (a) Using a screwdriver, remove the snap ring.



- (b) Remove the low gear spline piece.

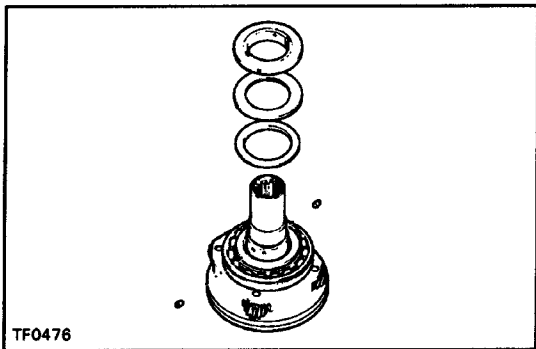


## 23. REMOVE NEEDLE ROLLER BEARING FROM INPUT SHAFT

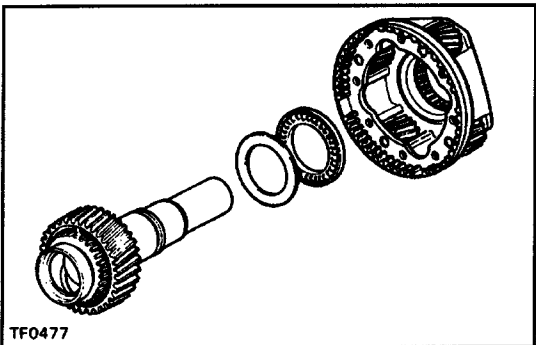


## 24. REMOVE INPUT SHAFT STOPPER AND THRUST BEARING

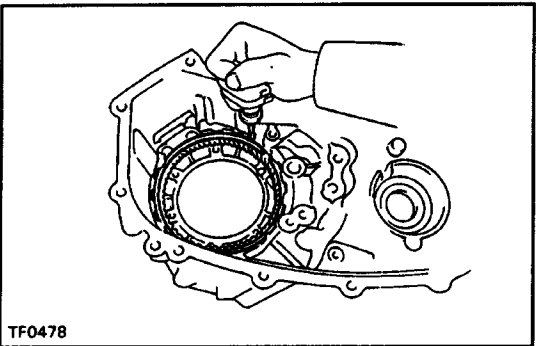
- (a) Using a snap ring expander, remove the snap ring.



- (b) Remove the input shaft stopper, thrust bearing, race and the 2 pins.

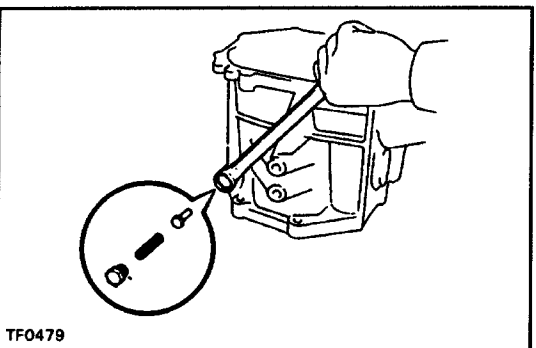


## 25. REMOVE INPUT SHAFT, THRUST BEARING AND RACE

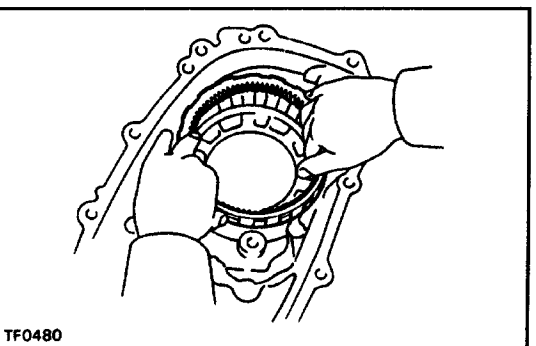


## 26. REMOVE PLANETARY RING GEAR

- (a) Using a screwdriver, remove the snap ring.

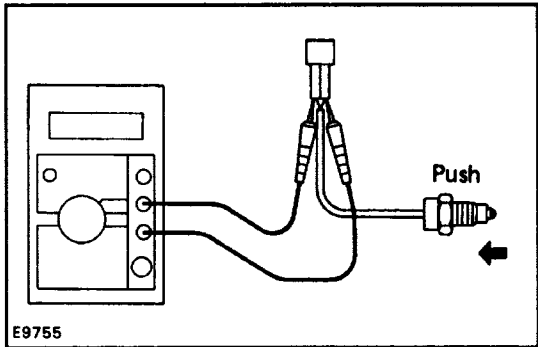


- (b) Remove the plug, spring and pin.



- (c) Remove the planetary ring gear.



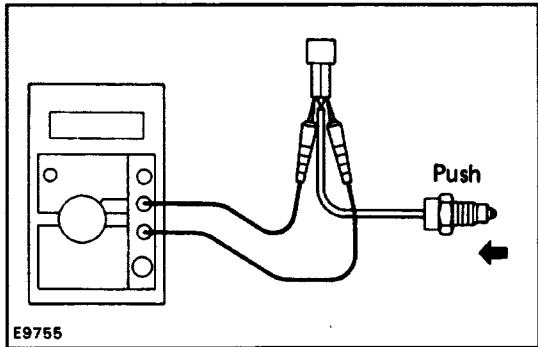


27. INSPECT TRANSFER INDICATOR SWITCH

Check that there is continuity between terminals as shown.

Switch Position	Specified
Push	Continuity
Free	No continuity

If operation is not as specified, replace the switch.



28. A/T:  
INSPECT TRANSFER L4 AND NEUTRAL POSITION SWITCH

Check that there is continuity between terminals as shown.

Switch Position	Specified
Push	Continuity
Free	No continuity

If operation is not as specified, replace the switch.