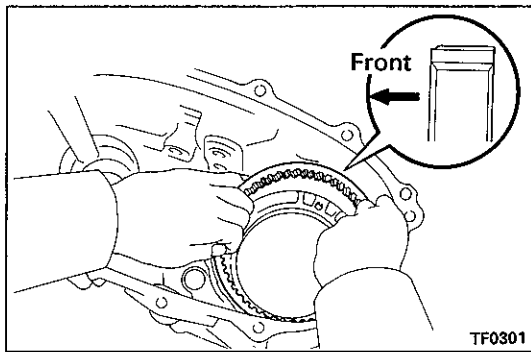


## ASSEMBLY OF TRANSFER

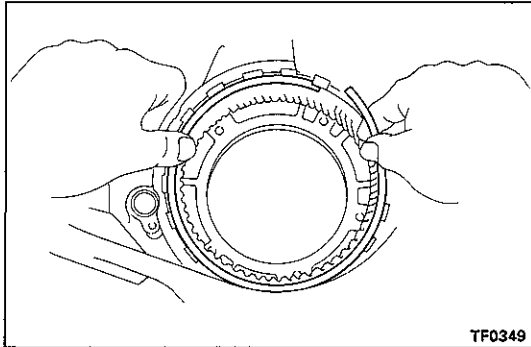
(See page TF-8)

### 1. INSTALL RING GEAR

- (a) Install the ring gear into the front case.

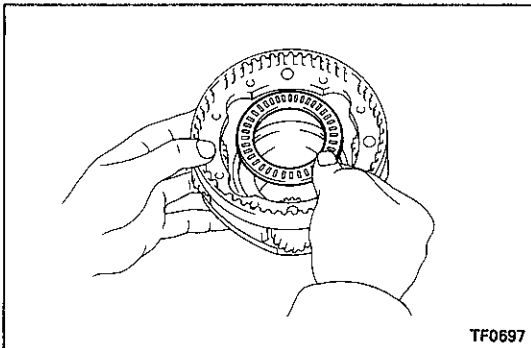


- (b) Install the snap ring.

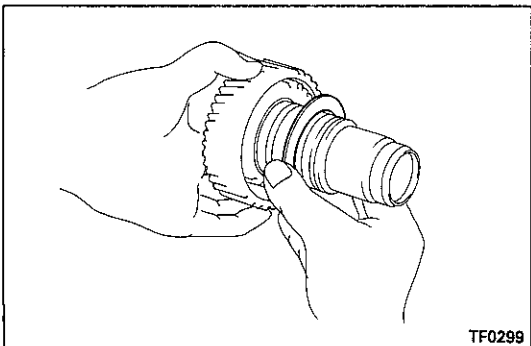


### 2. INSTALL INPUT SHAFT TO PLANETARY GEAR ASSEMBLY

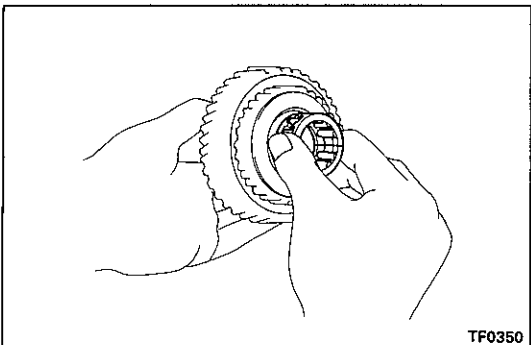
- (a) Apply MP grease to the thrust bearing.  
(b) Install the thrust bearing in the planetary gear assembly.

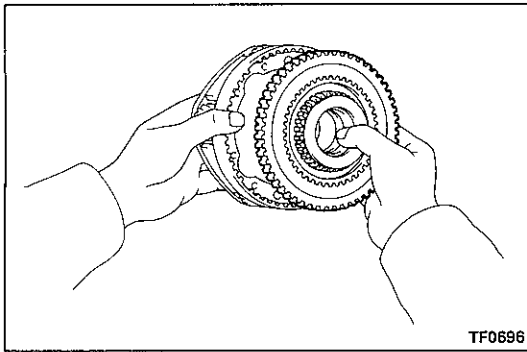


- (c) Install the thrust bearing race to the input shaft.

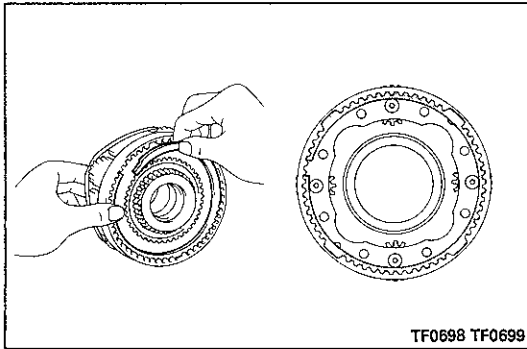


- (d) Apply gear oil to the needle roller bearing and install it into the input shaft.



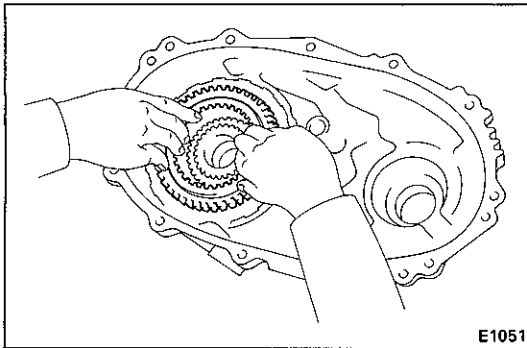


- (e) Apply gear oil to the planetary gear inner bearing.
- (f) Install the input shaft and planetary gear spline piece to the planetary gear assembly.



- (g) Install the snap ring.

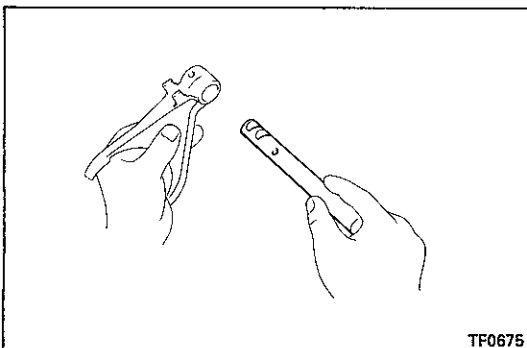
**HINT:** Put the opened portion to the location as shown in the illustration.



### 3. INSTALL PLANETARY GEAR ASSEMBLY WITH INPUT SHAFT

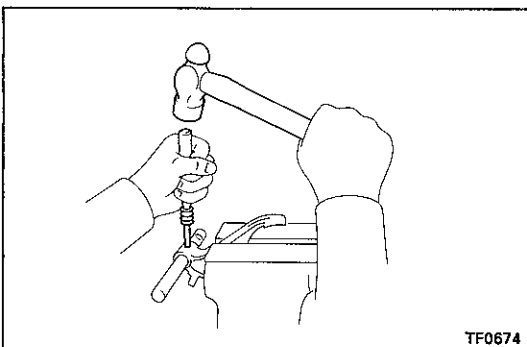
Install the planetary gear assembly with the input shaft in the front case.

**HINT:** It is recommended that the planetary gear assembly be rotated slightly as it is installed.

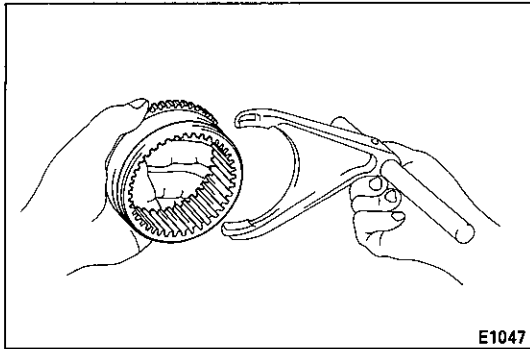


### 4. ASSEMBLE HIGH AND LOW SHIFT FORK SHAFT

- (a) Install No. 2 shift fork to the high and low shift fork shaft.

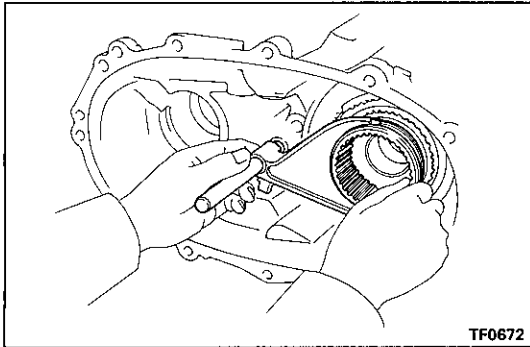


- (b) Using a pin punch and hammer, drive in the slotted spring pin.



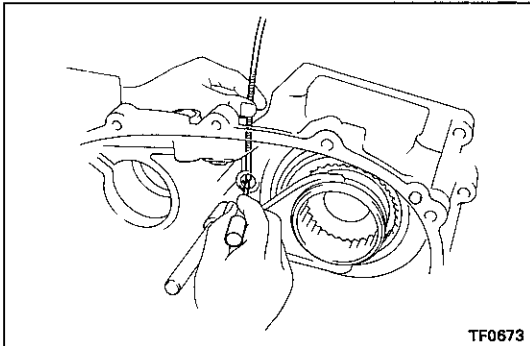
## 5. INSTALL HIGH AND LOW SHIFT FORK SHAFT WITH HUB SLEEVE

- (a) Install the high and low hub sleeve to No. 2 fork.



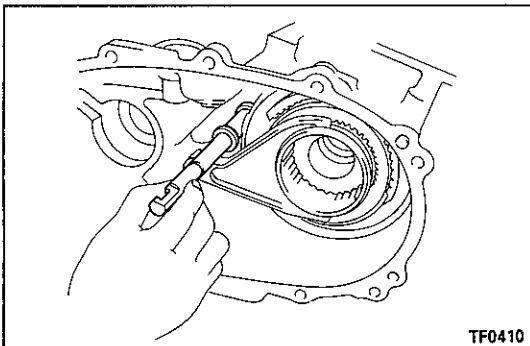
- (b) Align No. 2 shift fork groove and the shift inner lever tip, and insert the shift fork shaft fully into the front case with the hub sleeve.

**HINT:** Install the notched end of the shift inner lever to No. 2 shift fork.

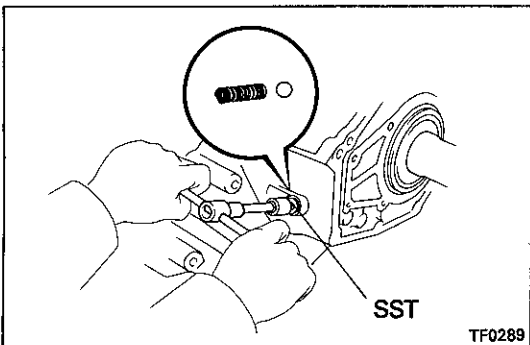


## 6. INSTALL FRONT DRIVE SHIFT FORK SHAFT

- (a) Using a magnetic finger and screwdriver, install the interlock pin into the front case.



- (b) Insert the shift fork shaft into the front case.



## 7. INSTALL STRAIGHT SCREW PLUG, SPRING AND LOCKING BALL FOR HIGH AND LOW SHIFT FORK SHAFT

- (a) Apply liquid sealer to the plug.

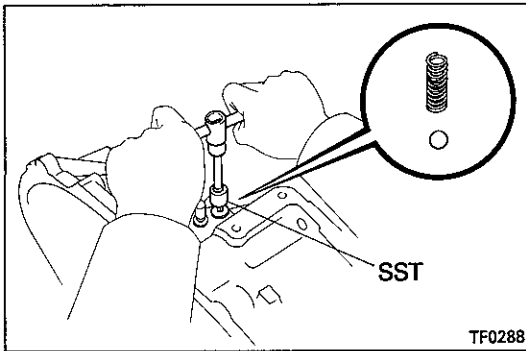
**Sealant:** Part No. 08833-00080, THREE BOND 1344, LOCTITE 242 or equivalent

- (b) Install the locking ball and spring (red).

- (c) Using SST, torque the plug (the plug of A/T is yellow).

**SST** 09313-30021

**Torque:** 175 kg-cm (13 ft-lb, 17 N-m)



## 8. INSTALL STRAIGHT SCREW PLUG, SPRING AND LOCKING BALL FOR FRONT DRIVE SHIFT FORK SHAFT

- (a) Apply liquid sealer to the plug.

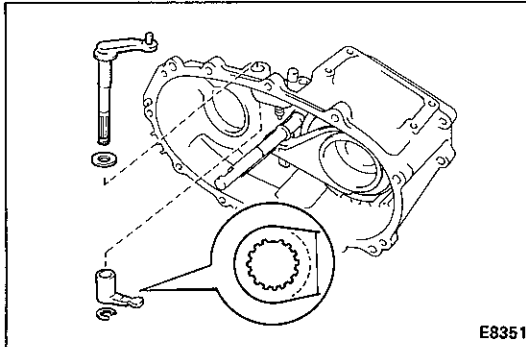
**Sealant: Part No. 08833-00080, THREE BOND 1344, LOCTITE 242 or equivalent**

- (b) Install the locking ball and spring.

- (c) Using SST, torque the plug.

**SST 09313-30021**

**Torque: 175 kg-cm (13 ft-lb, 17 N·m)**



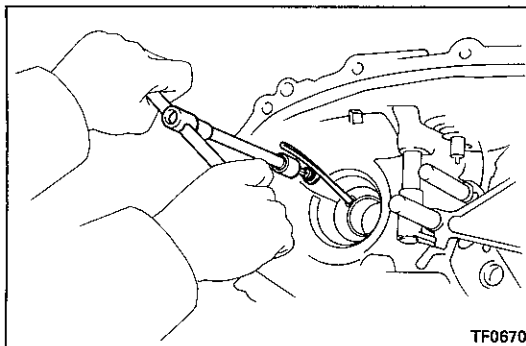
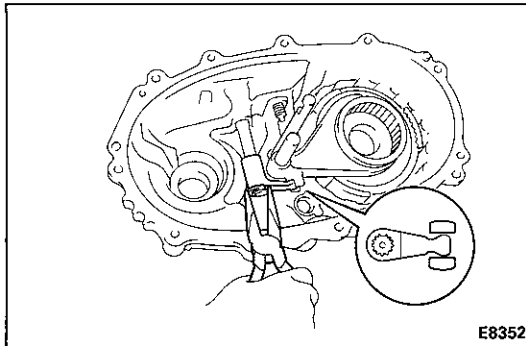
## 9. INSTALL SHIFT LEVER SHAFT

- (a) Install the plate washer and shift lever shaft to the front case.

- (b) Align the shift lever shaft spline and shift inner lever spline and install the shift inner lever to the shift lever shaft.

- (c) Align the high and low shift fork groove and shift inner lever tip.

- (d) Using pliers, install the E-ring.

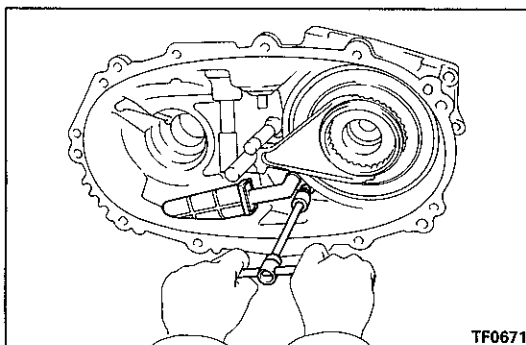


## 10. INSTALL OIL RECEIVER

- (a) Install the oil receiver.

- (b) Using a torx socket wrench, tighten the screw.  
(Torx socket wrench T30 09042-00010)

**Torque: 50 kg-cm (43 in.-lb, 4.9 N·m)**



## 11. INSTALL OIL STRAINER

- (a) Install a new O-ring to the oil strainer.

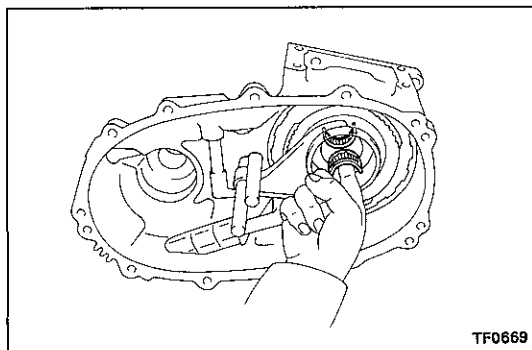
- (b) Install the oil strainer.

- (c) Using a torx socket wrench, tighten the screw.  
(Torx socket wrench T30 09042-00010)

**Torque: 50 kg-cm (43 in.-lb, 4.9 N·m)**

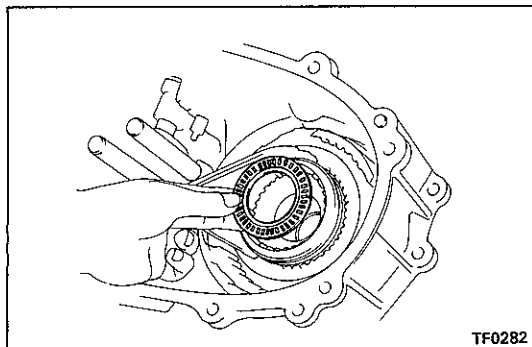
**12. INSTALL FRONT AND REAR OUTPUT ASSEMBLY**

(a) Install the needle roller bearing.

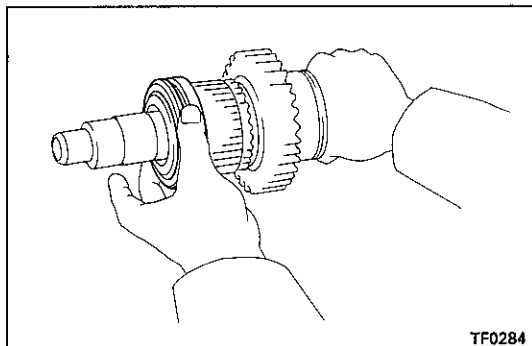


(b) Apply MP grease to the thrust bearing.

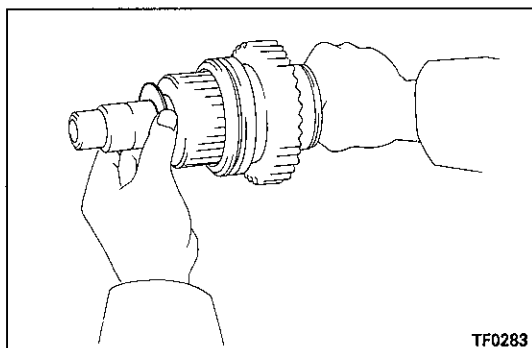
(c) Install the thrust bearing to the input shaft rear end.



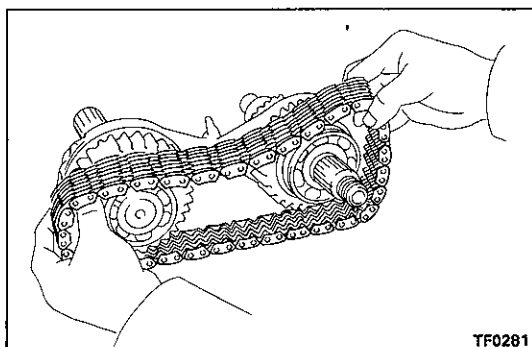
(d) Install No. 1 hub sleeve to the rear output assembly.

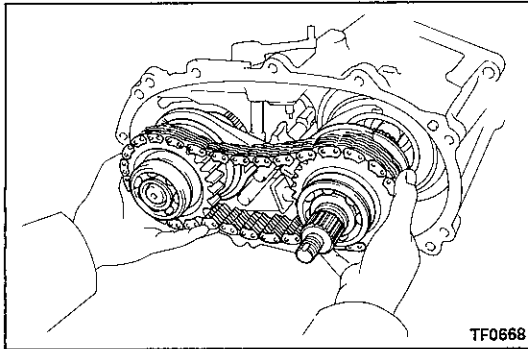


(e) Install the thrust bearing race to the rear output assembly.

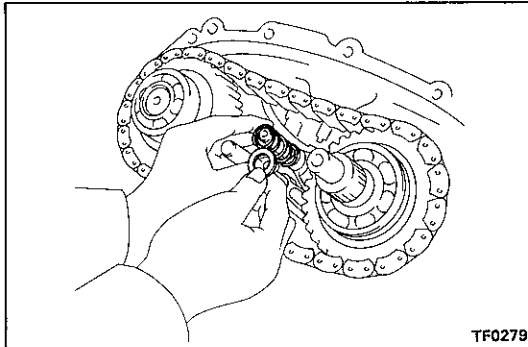


(f) Assemble the front and rear output assembly, No. 1 shift fork and drive chain.



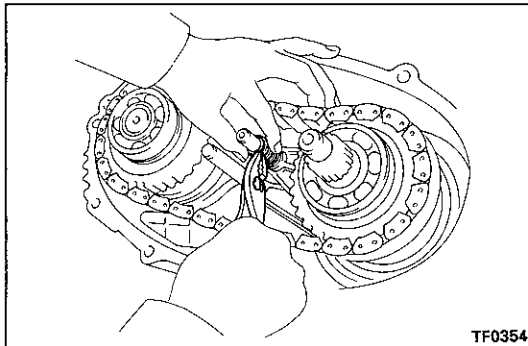


- (g) Install the front and rear output assembly with the drive chain and No. 1 shift fork.

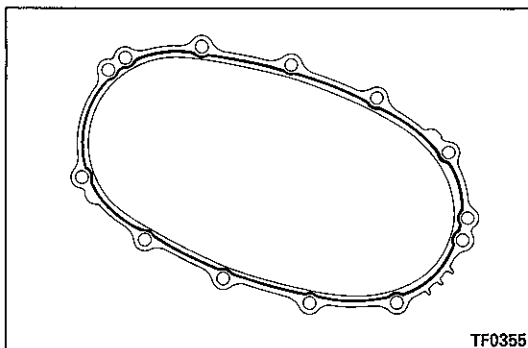


### 13. INSTALL SPRING AND WASHER TO FRONT DRIVE SHIFT FORK SHAFT

- (a) Install the spring and washer to the front drive shift fork shaft.



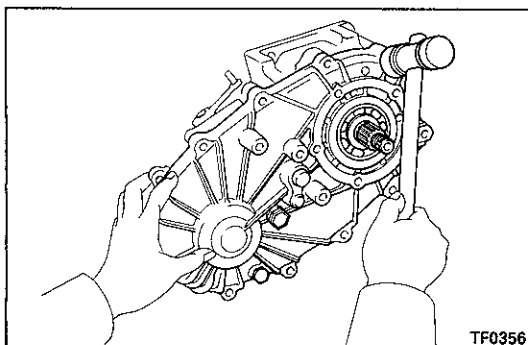
- (b) Using pliers, install the snap ring.



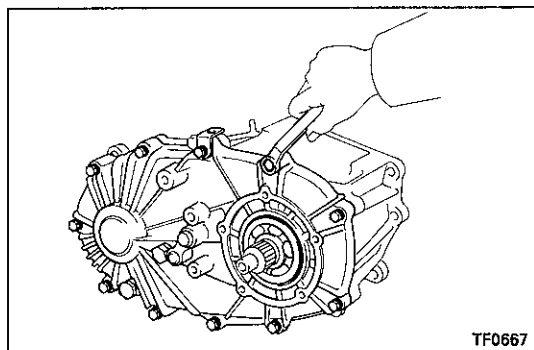
### 14. INSTALL TRANSFER REAR CASE

- (a) Apply seal packing to the rear case as shown in the figure.

**Seal packing: Part No. 08826-00090, THREE BOND 1281 or equivalent**

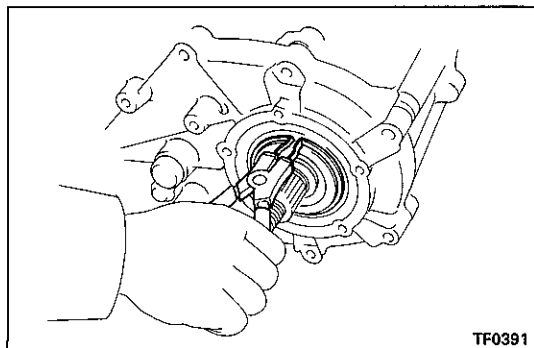


- (b) Install the rear case to the front case. If necessary, tap on the rear case with a plastic hammer.

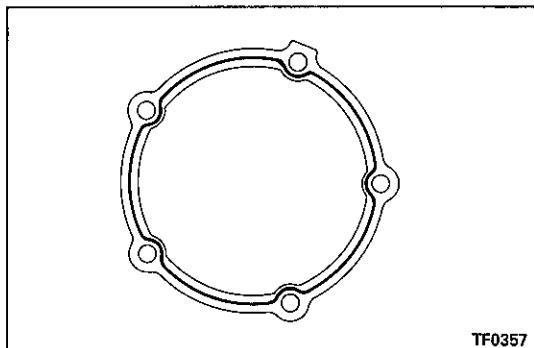


(c) Install and torque the bolts.

**Torque: 380 kg-cm (27 ft-lb, 37 N·m)**



(d) Using snap ring pliers, install the snap ring.

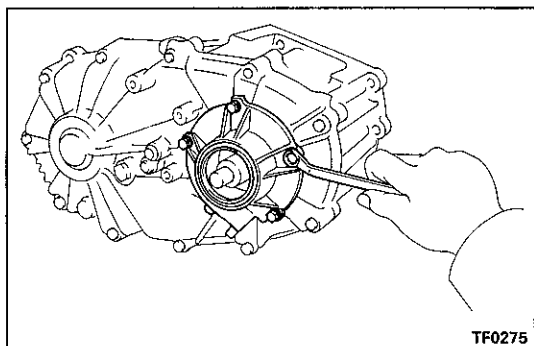


#### 15. INSTALL EXTENSION HOUSING

(a) Apply seal packing to the extension housing as shown in the figure.

**Seal packing: Part No. 08826-00090, THREE BOND 1281 or equivalent**

(b) Install the extension housing.

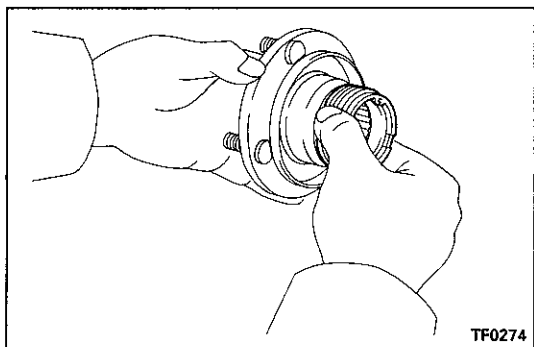


(c) Apply liquid sealer to the bolts.

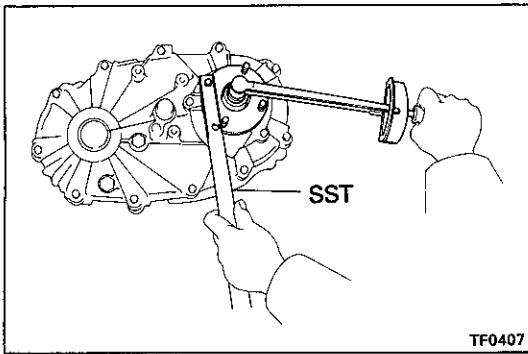
**Sealant: Part No. 08833-00080, THREE BOND 1344, LOCTITE 242 or equivalent**

(d) Install and torque the bolts,

**Torque: 115 kg-cm (8 ft-lb, 11 N·m)**



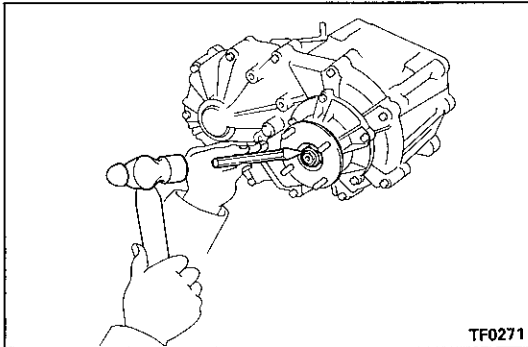
#### 16. INSTALL SPEEDOMETER DRIVE GEAR TO COMPANION FLANGE

**17. INSTALL COMPANION FLANGE**

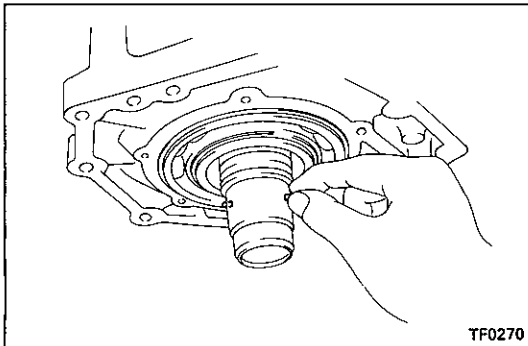
- (a) Install the companion flange to the rear output shaft.
- (b) Using SST to hold the flange, install the companion flange lock nut.

SST 09330-00021

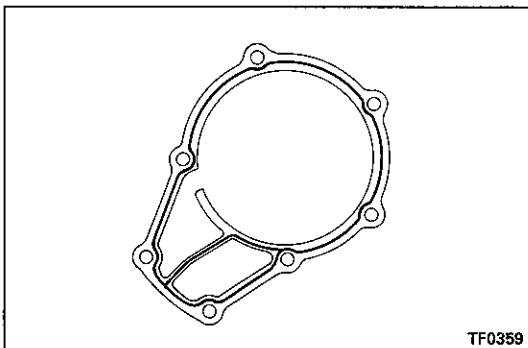
**Torque: 1,250 kg-cm (90 ft-lb, 123 N-m)**



- (c) Stake the lock nut.

**18. INSTALL OIL PUMP BODY ASSEMBLY**

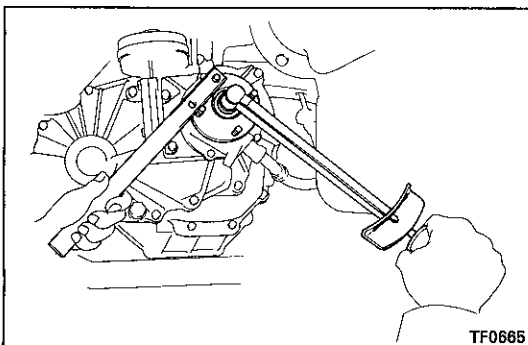
- (a) Install the two pins to the input shaft.



- (b) Apply seal packing to the oil pump body assembly as shown in the figure.

**Seal packing: Part No. 08826-00090, THREE BOND 1281 or equivalent**

- (c) Install the oil pump body assembly with the drive rotor slots aligned with the two pins.



- (d) Apply liquid sealer to the bolts.

**Sealant: Part No. 08833-00080, THREE BOND 1344, LOCTITE 242 or equivalent**

- (e) Install and torque the bolts.

**Torque: 115 kg-cm (8 ft-lb, 11 N-m)**



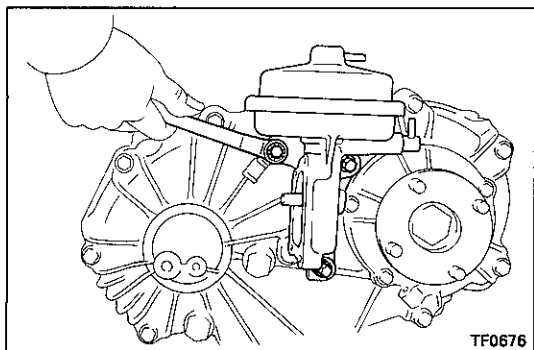
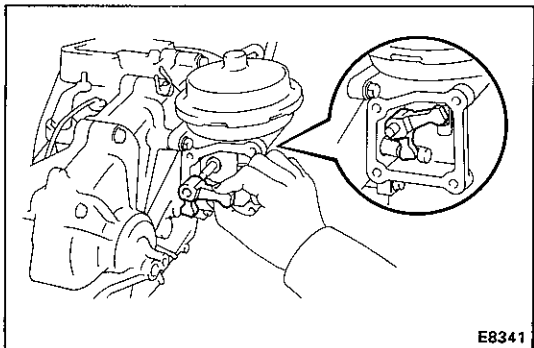
**19. AFTER INSTALLING OIL PUMP BODY ASSEMBLY CHECK FOLLOWING ITEMS:**

- (a) Check to see that the input and output shafts rotate smoothly.
- (b) Check to see that shifting can be made smoothly to all positions.

**20. INSTALL TRANSFER INDICATOR SWITCH****21. INSTALL SPEEDOMETER DRIVEN GEAR****22. INSTALL DIAPHRAGM CYLINDER BODY**

- (a) Install a new O-ring to the diaphragm cylinder body.
- (b) Install diaphragm cylinder body to the transfer case.  
Torque the three bolts.

**Torque: 175 kg-cm (13 ft-lb, 17 N-m)**

**23. INSTALL SHIFT LINK LEVER****24. INSTALL DIAPHRAGM CYLINDER COVER**

Install the diaphragm cylinder cover with a new gasket to the diaphragm cylinder body.  
Torque the four bolts.

**Torque: 175 kg-cm (13 ft-lb, 17 N-m)**

