

## TRANSFER ASSEMBLY

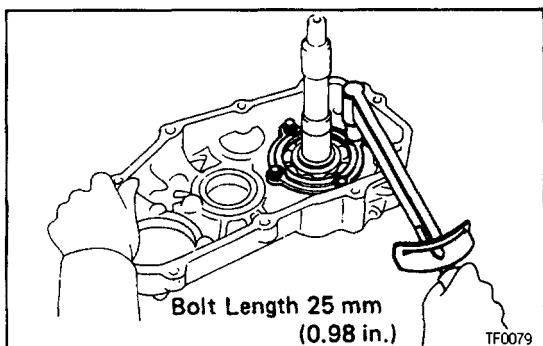
(See page [TR1-8](#))

### 1. INSTALL OUTPUT SHAFT TO FRONT CASE

- (a) Using a plastic hammer, install the output shaft to the front case.

HINT: Place the front case on something soft such as wooden blocks.

- (b) Using a snap ring expander, install the snap ring.

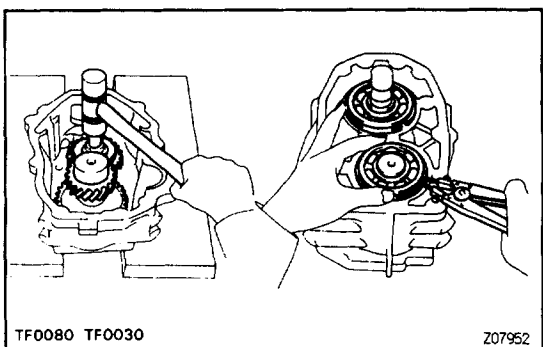


### 2. INSTALL BEARING RETAINER TO FRONT CASE

- (a) Install the bearing retainer with 4 bolts.

- (b) Torque the bolts.

Torque: 18 N·m (185 kgf·cm, 13 ft·lbf)

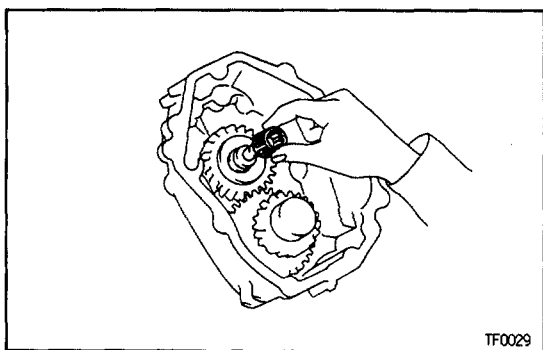


### 3. INSTALL INPUT GEAR AND COUNTER GEAR TO REDUCTION GEAR CASE

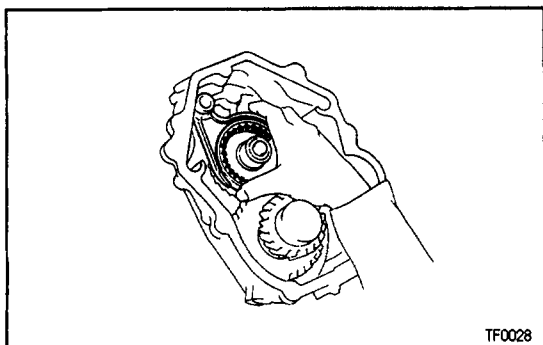
- (a) Using a plastic hammer, install the input gear and counter gear to the reduction gear case.

HINT: Place the reduction gear case on something soft such as wooden blocks.

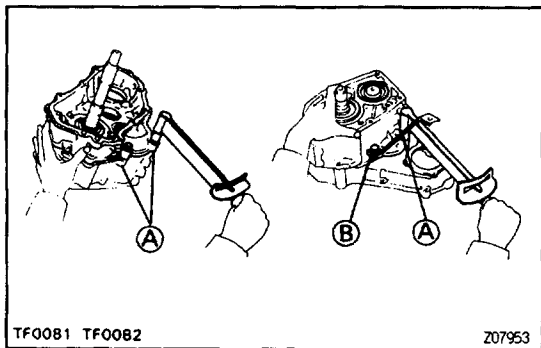
- (b) Using a snap ring expander, install the snap ring.



### 4. INSTALL ROLLER BEARING ON INPUT SHAFT



### 5. INSTALL NO.2 HUB SLEEVE AND NO.2 SHIFT FORK ON INPUT SHAFT



## 6. INSTALL REDUCTION GEAR CASE WITH NEW GASKET TO FRONT CASE

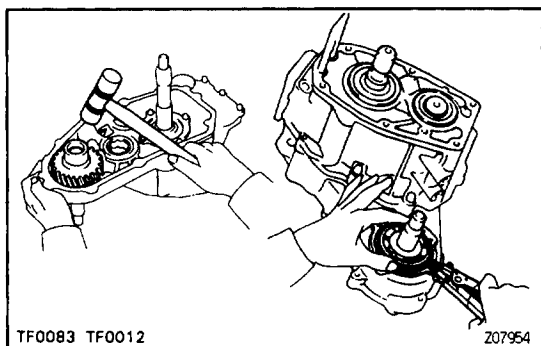
- Place a new gasket on the front case.
- Install the reduction gear case together with the input gear and counter gear.
- Install and torque the bolts as shown in the figure.

(A) Bolt length 47 mm (1.85 in.)

Torque: 37 N·m (380 kgf·cm, 27 ft·lbf)

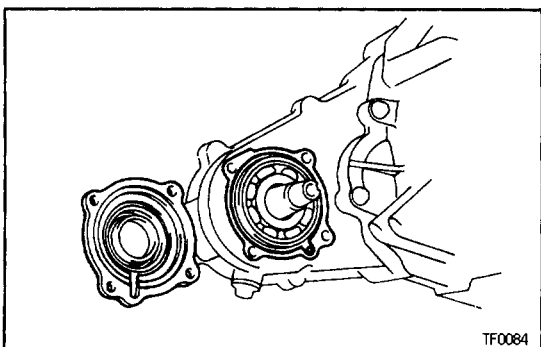
(B) Bolt length 49 mm (1.93 in.)

Torque: 37 N·m (380 kgf·cm, 27 ft·lbf)



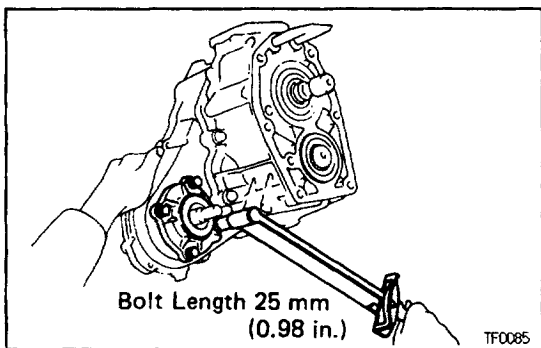
## 7. INSTALL FRONT DRIVE GEAR

- Using a plastic hammer, install the front drive gear.
- Using a snap ring expander, install the snap ring.



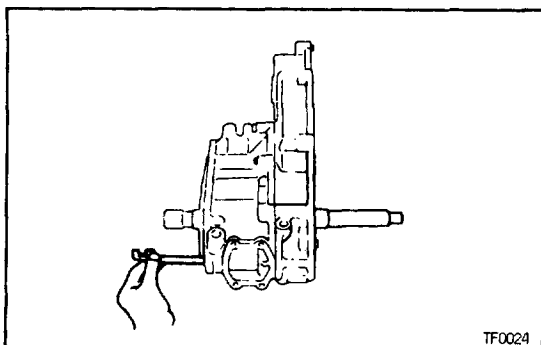
## 8. INSTALL BEARING RETAINER WITH NEW GASKET

- Place a new gasket on the front case.
- Apply MP grease to the oil seal.
- Install the bearing retainer.



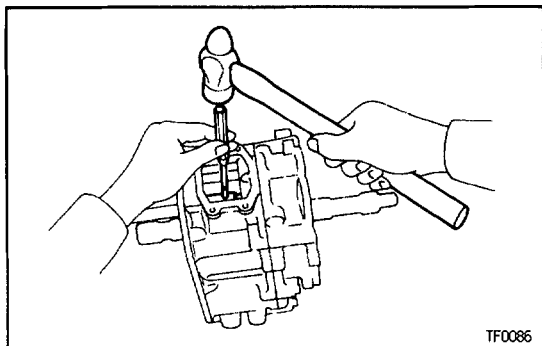
- Install and torque the bolts.

Torque: 18 N·m (185 kgf·cm, 13 ft·lbf)

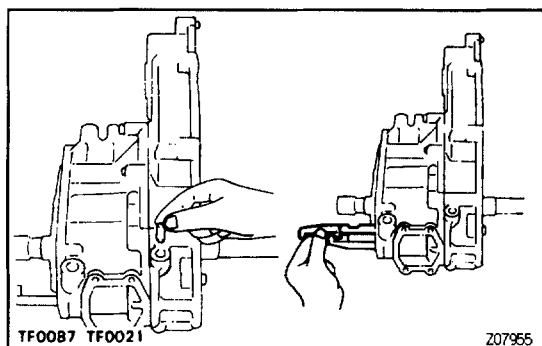


## 9. INSTALL HIGH AND LOW SHIFT FORK SHAFT

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

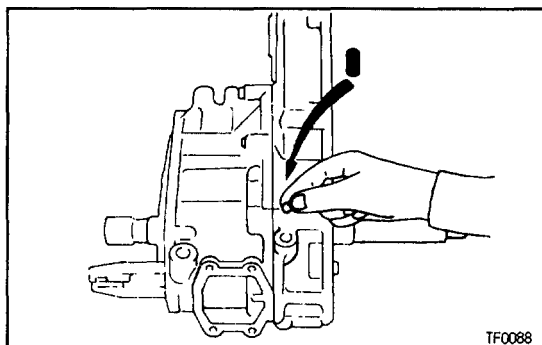


- (b) Align the slotted spring hole in the fork with the hole in the shaft.
- (c) Using a pin punch and hammer, drive in the slotted spring pin.



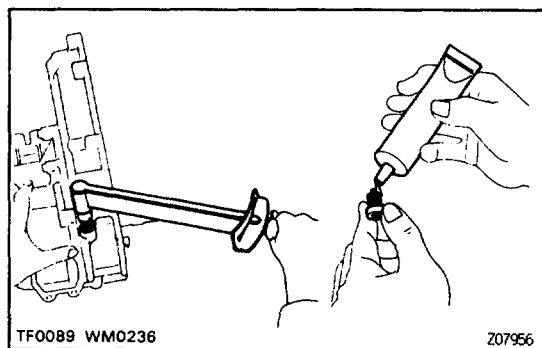
#### 10. INSTALL INTERLOCK PIN AND FRONT DRIVE SHIFT FORK SHAFT

- (a) Install the interlock pin.
- (b) Install the front drive shift fork shaft with the 2 grooves facing outward.



#### 11. INSTALL 2 BALLS, SPRINGS AND PLUGS

- (a) Install the ball and spring.

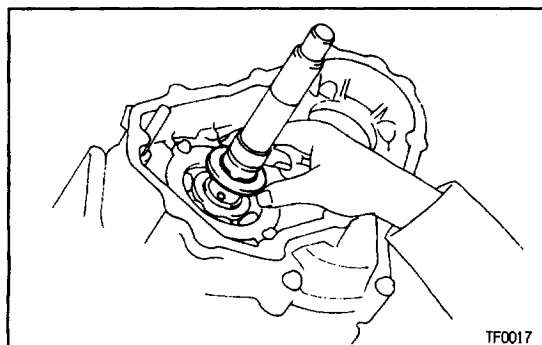


- (b) Apply liquid sealer to the plug threads.

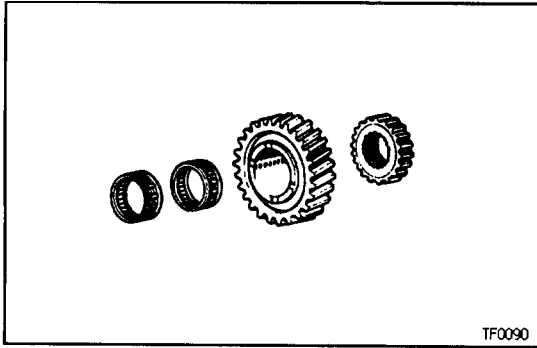
**Sealant:**

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

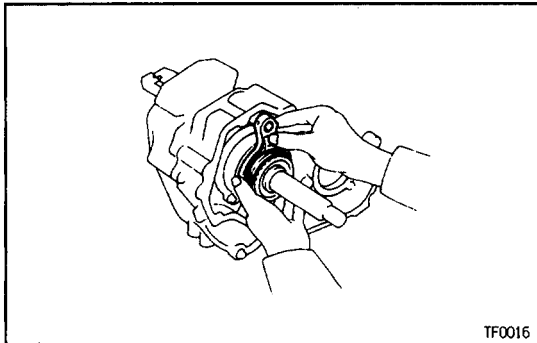
- (c) Using a hexagon wrench, install and torque the plug.  
**Torque: 12 N·m (120 kgf·cm, 9 ft·lbf)**
- (d) Install the ball, spring and plug to the opposite side.



#### 12. INSTALL LOCKING BALL AND NO.2 SPACER

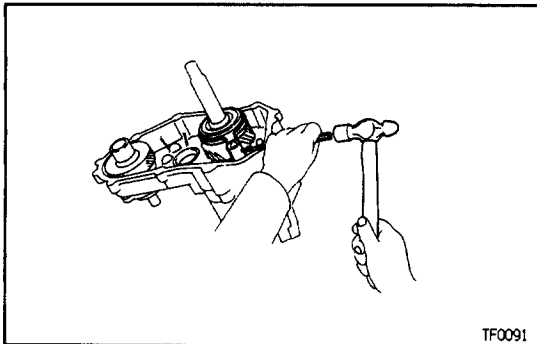


### 13. INSTALL NEEDLE ROLLER BEARINGS, TRANSFER LOWER GEAR AND CLUTCH HUB

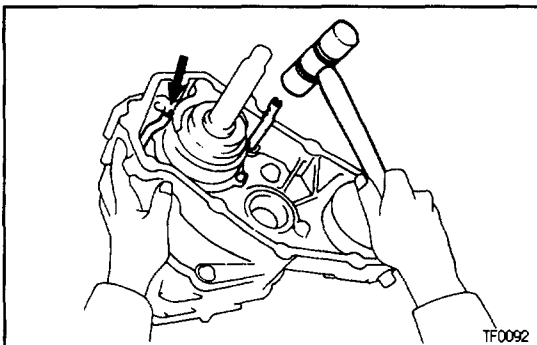


### 14. INSTALL NO.1 SHIFT FORK AND HUB SLEEVE

- (a) Install the No.1 shift fork together with the hub sleeve to the front drive shift fork shaft.

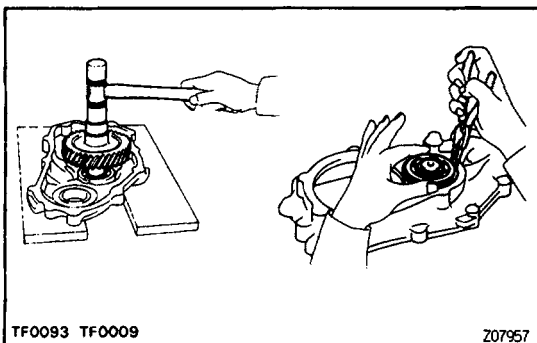


- (b) Align the slotted pin hole in the fork with the hole in the shaft.  
(c) Using a pin punch and hammer, install the slotted spring pin.



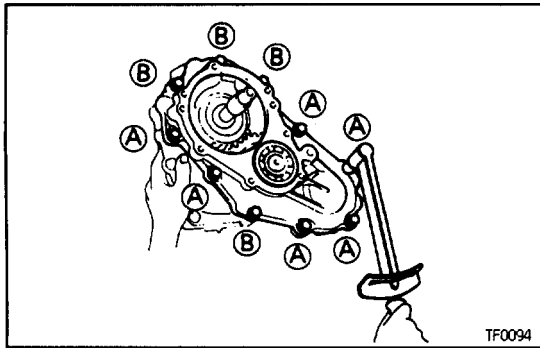
### 15. INSTALL OIL PIPES

Install the 2 oil pipes with the cutout side positioned upward.



### 16. INSTALL IDLER GEAR TO REAR CASE

- (a) Using a plastic hammer, install the idler gear to the rear case.  
HINT: Place the rear case on something soft such as wooden blocks.  
(b) Using a snap ring expander, install the snap ring.



### 17. INSTALL REAR CASE WITH NEW GASKET

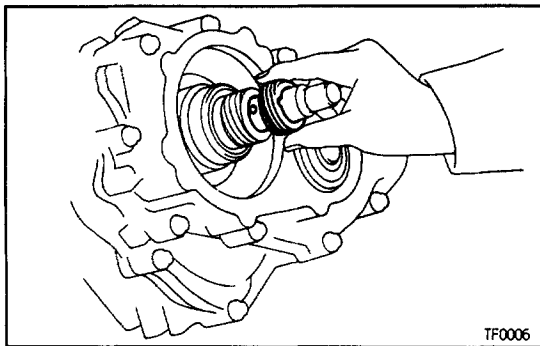
- Place a new gasket on the front case.
- Install the rear case together with the idler gear.
- Install and torque the bolts as shown in the figure.

(A) Bolt length 47 mm (1.85 in.)

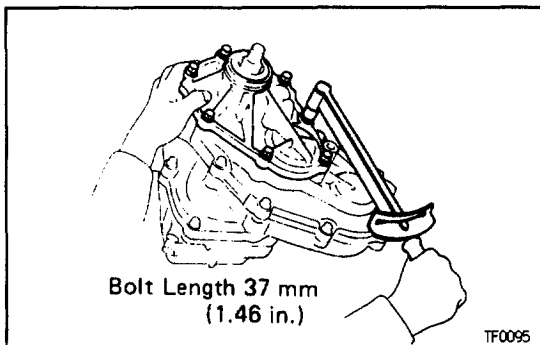
Torque: 39 N·m (400 kgf·cm, 29 ft·lbf)

(B) Bolt length 112 mm (4.41 in.)

Torque: 37 N·m (380 kgf·cm, 27 ft·lbf)



### 18. INSTALL BEARING, OIL PUMP SCREW, LOCKING BALL AND SPEEDOMETER DRIVE GEAR

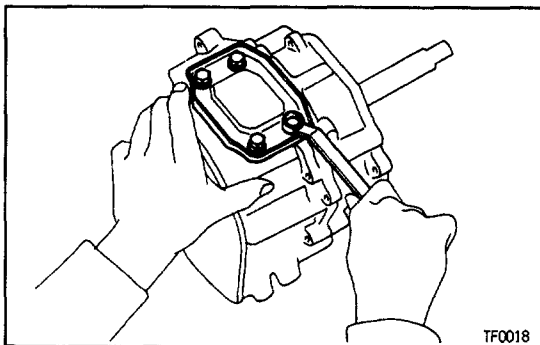


### 19. INSTALL EXTENSION HOUSING WITH NEW GASKET

- Place a new gasket to the rear case.
- Apply MP grease to the 2 oil seals.
- Install the extension housing with 7 bolts. Torque the bolts.

Torque: 39 N·m (400 kgf·cm, 21 ft·lbf)

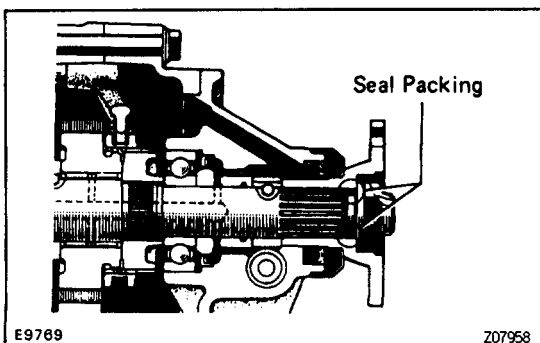
Bolt Length 37 mm  
(1.46 in.)



### 20. INSTALL TRANSFER CASE COVER WITH NEW GASKET

- Place a new gasket to the transfer case cover.
- Install and torque the 4 bolts.

Torque: 8.8 N·m (90 kgf·cm, 78 in·lbf)

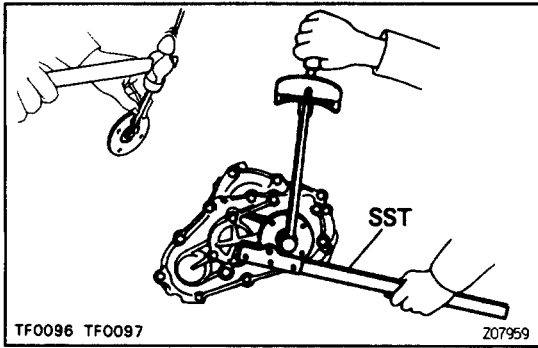


### 21. INSTALL REAR COMPANION FLANGE

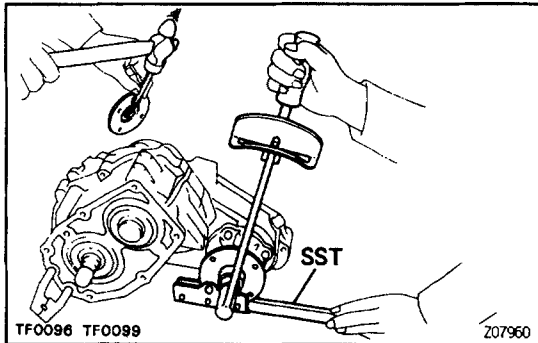
- Install the companion flange to the output shaft.
- Apply FIPG to the output shaft and companion flange as shown.

FIPG:

Part No.08826-00090 THREE BOND 1281 or equivalent



- (c) Using SST to hold the flange, install the washer and nut.  
Torque the nut.  
SST 09330-00021  
**Torque: 123 N·m (1,250 kgf·cm, 90 ft·lbf)**
- (d) Stake the nut.



## 22. INSTALL FRONT COMPANION FLANGE

- (a) Install the companion flange to the front drive gear.
- (b) Using SST to hold the flange, install the washer and nut.  
Torque the nut.  
SST 09330-00021  
**Torque: 123 N·m (1,250 kgf·cm, 90 ft·lbf)**
- (c) Stake the nut.

## 23. INSTALL TRANSFER INDICATOR SWITCH WITH WASHER

**Torque: 34 N·m (350 kgf·cm, 25 ft·lbf)**

## 24. INSTALL NO.1 SPEED SENSOR

- (a) Install the No.1 speed sensor.
- (b) Install and Torque the bolt.  
**Torque: 11 N·m (115 kgf·cm, 8 ft·lbf)**