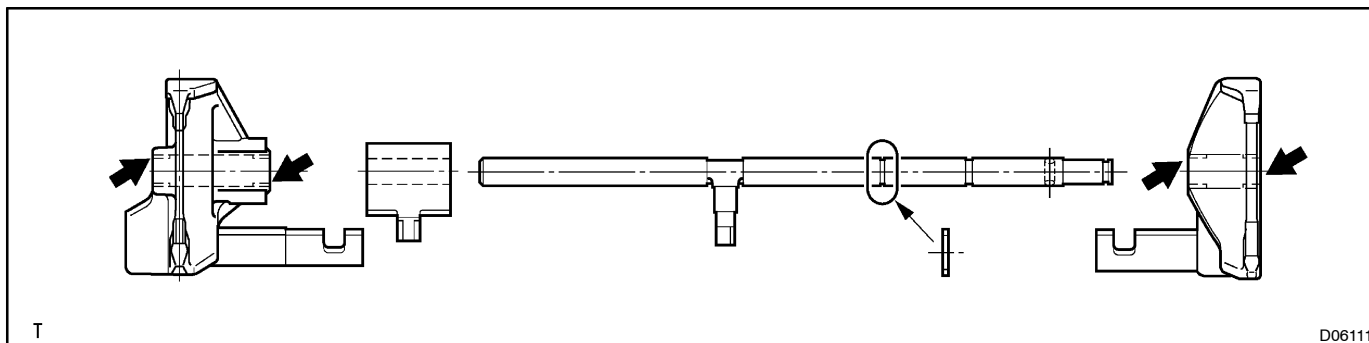


REASSEMBLY

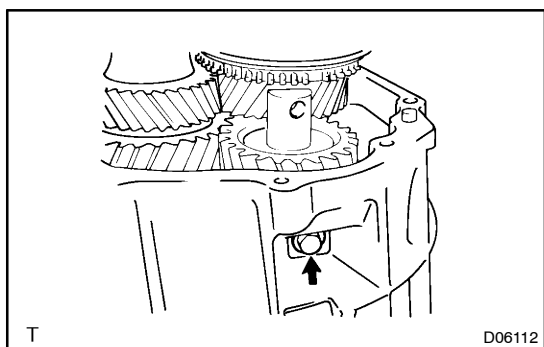
1. INSTALL INTERLOCK PIN NO. 1

- (a) Apply gear oil to bush of each shift forks.
- (b) Install the shift fork No.1 to gear shift fork shaft No. 1
- (c) Using a screwdriver, install the new snap ring.
- (d) Install the shift interlock pin No. 1
- (e) Install the shift fork No.3.

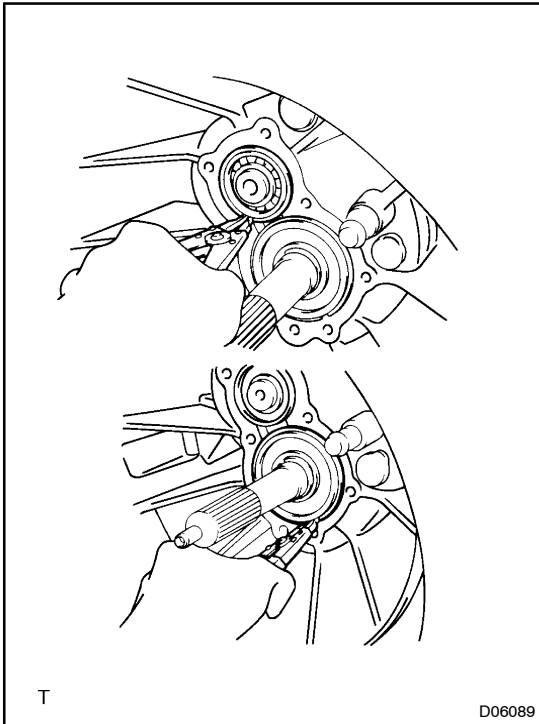


2. INSTALL OUTPUT SHAFT

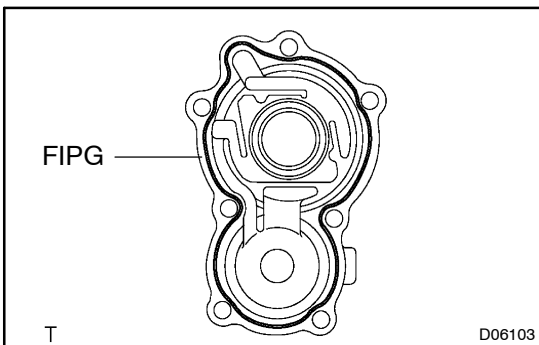
- (a) Apply gear oil to input shaft needle roller bearing and reverse idler gear shaft.
- (b) Install the input shaft to output shaft.
- (c) Install the input shaft, output shaft, counter shaft, reverse idler gear and shift fork shaft No. 1 to clutch housing.



- (d) Install a new gasket to idler gear shaft.
- (e) Install the idler gear shaft set bolt temporarily (clutch housing side).



- (f) Using a snap ring expander, install the 2 snap ring.

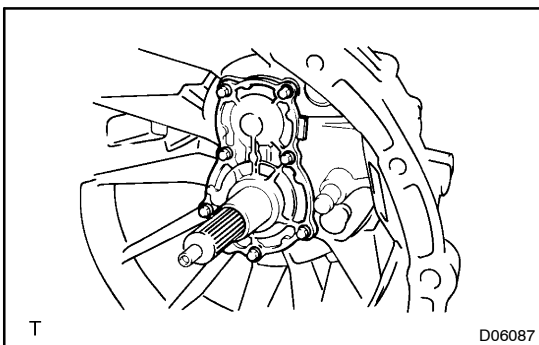


3. INSTALL FRONT BEARING RETAINER

- (a) Apply FIPG to the front bearing retainer, as shown in the illustration.

FIPG:

Part No. 08826-00090, THREE BOND 1281 or equivalent

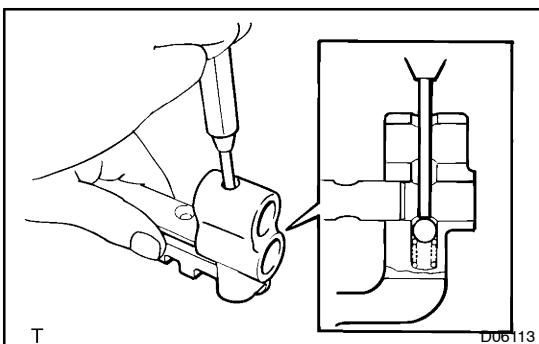


- (b) Coat sealant to 7 bolts and install the front bearing retainer.

Torque: 17 N·m (170 kgf·cm, 12 ft·lbf)

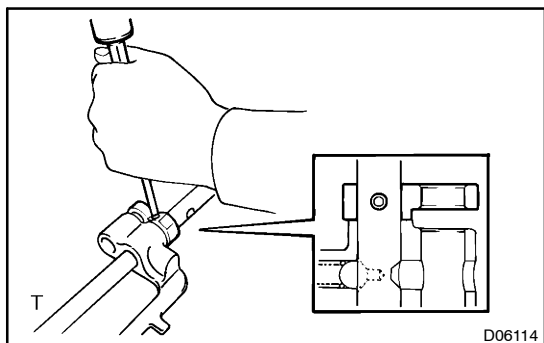
Sealant:

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



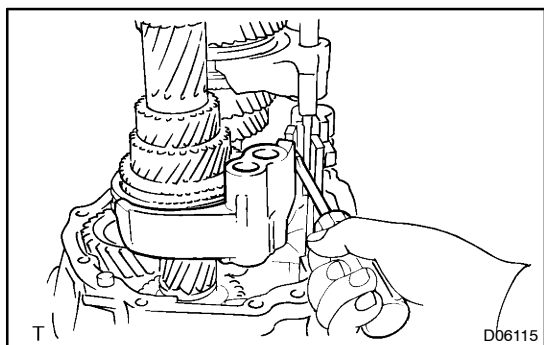
4. INSTALL GEAR SHIFT HEAD NO. 3

- (a) Install the shift detente ball compression spring.
 (b) Using a pin punch, hold the shaft detente ball and install the gear shift detente ball and install the gear shift head No. 3 to gear shift fork shaft No. 2.

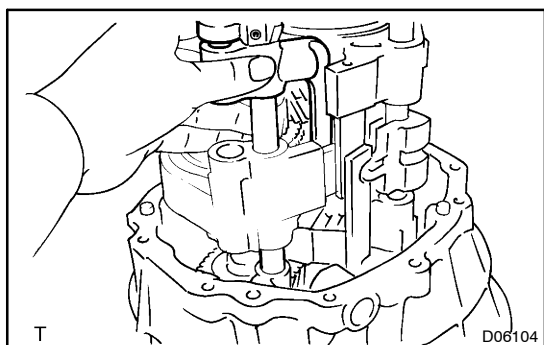
**5. INSTALL SHIFT INTERLOCK PLATE**

- (a) Install the shift interlock plate to gear shift fork shaft No. 2.
- (b) Using a pin punch and hammer, drive in the slotted spring pin.

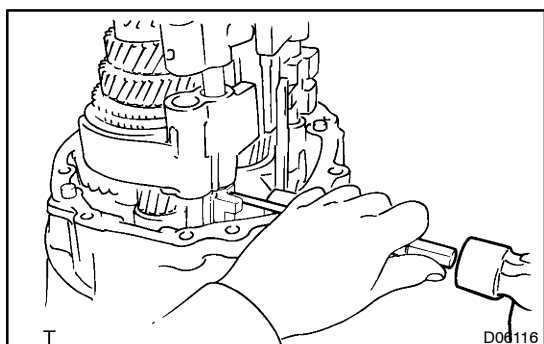
Drive in depth: 0 ± 0.5 mm (0 ± 0.0197 in.)

**6. INSTALL 3RD AND 4TH SHIFT FORK**

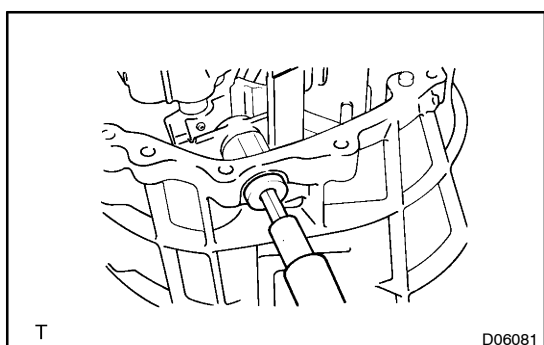
Using a screwdriver, install the 3rd and 4th shaft fork to counter shaft.

**7. INSTALL GEAR SHIFT FORK SHAFT NO. 2**

- (a) Install the reverse shift arm head to clutch housing temporarily.
- (b) Install the gear shift fork shaft No. 2.

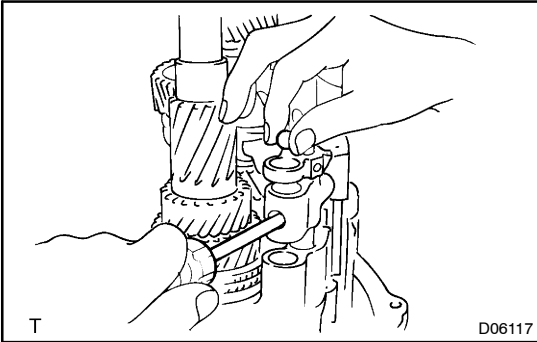


- (c) Using a pin punch and hammer, drive in the slotted spring pin.

**8. INSTALL 5TH SHIFT ARM**

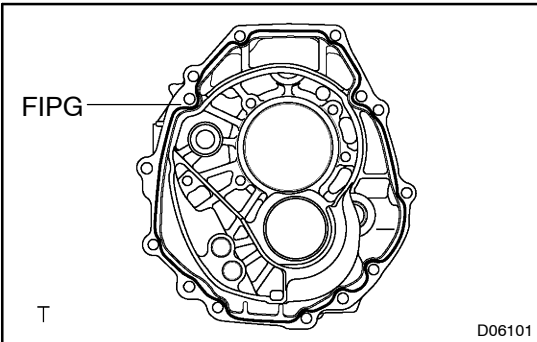
- (a) Install the 5th shift arm.
- (b) Using a hexagon wrench (8.0 mm, 0.31 in.), install the pivot bolt.

Torque: 39 N·m (390 kgf·cm, 29 ft·lbf)



9. INSTALL TRANSMISSION CASE

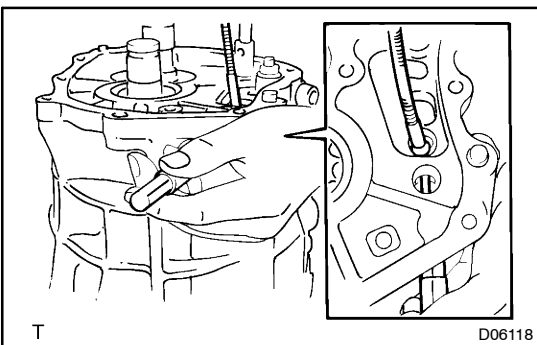
- (a) Apply MP grease to the shaft detente ball.
- (b) Using a screwdriver, install the shaft detente ball to gear shift head No. 3.



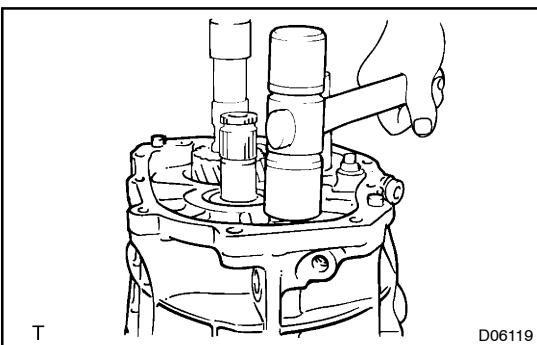
- (c) Apply FIPG to transmission case, as shown in the illustration.

FIPG:

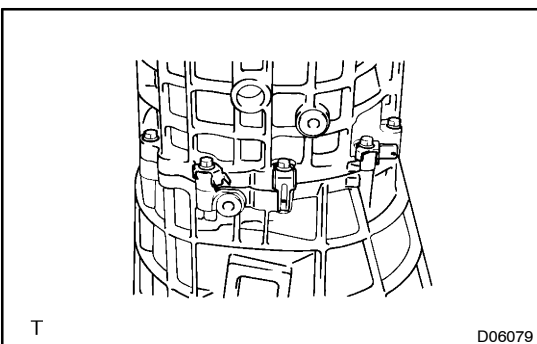
Part No. 08826-00090, THREE BOND 1281 or equivalent



- (d) Install the shaft detente ball compression spring No. 2.
- (e) Using a pin punch and magnetic finger, hold the shaft detente ball and install the transmission case temporarily.



- (f) Using a plastic hammer, tap on the transmission case to install it.



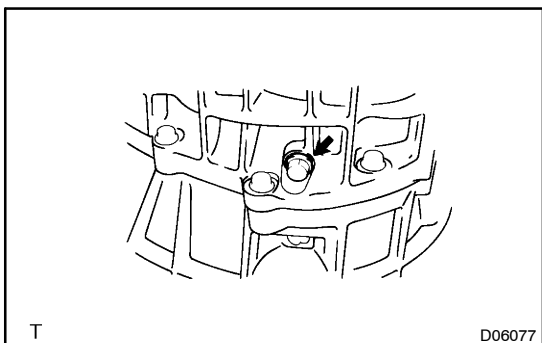
- (g) Coat sealant to 10 bolts.

Sealant:

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

- (h) Install the 10 bolts.

Torque: 29 N·m (290 kgf·cm, 21 ft·lbf)

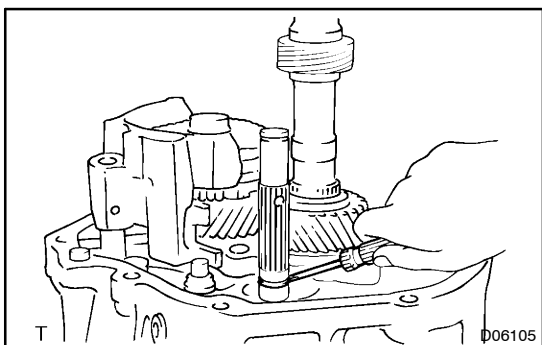


- (i) Install a new reverse idler gear shaft gasket.
- (j) Install the idler gear shaft set bolt (transmission case side).

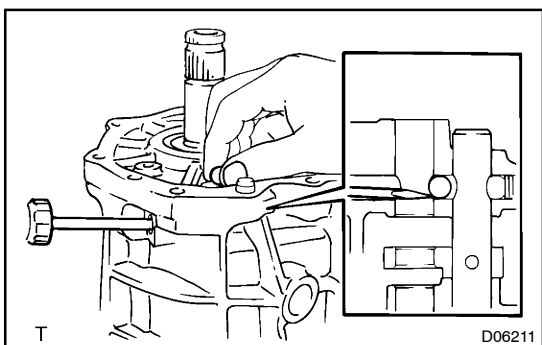
Torque: 28 N·m (290 kgf·cm, 21 ft·lbf)

- (k) Tighten the idler gear shaft set bolt (clutch housing side).

Torque: 28 N·m (290 kgf·cm, 21 ft·lbf)

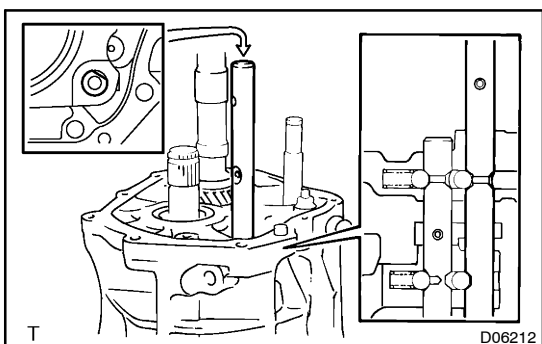


- (l) Using a screwdriver, install a new snap ring.



10. INSTALL SHIFT FORK SHAFT NO. 3

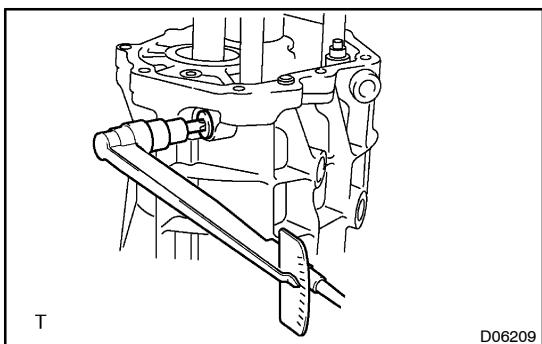
- (a) Apply MP grease to shaft detente ball No. 2.
- (b) Using a screwdriver, install the shaft detente ball to transmission case.



- (c) Install the shift fork shaft No. 3.
- (d) Coat sealant to head straight screw plug No. 1.

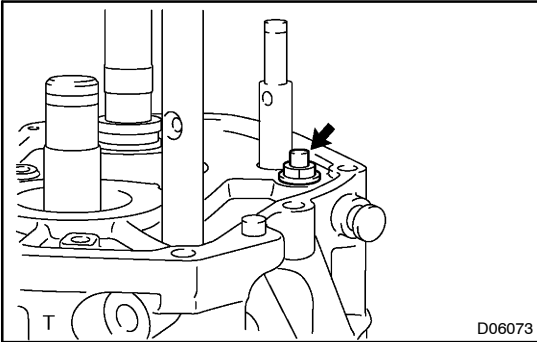
Sealant:

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

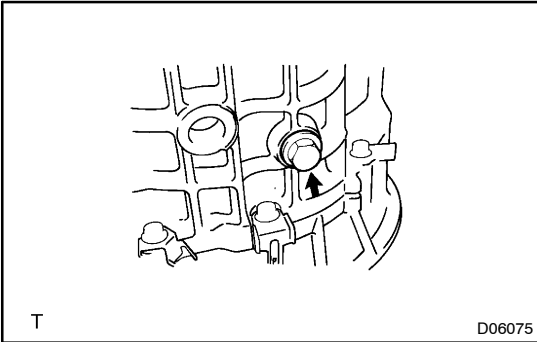


- (e) Install the shaft detente ball and shift detente ball compression spring No. 2.
- (f) Using a torx wrench (T30), install the head straight screw plug No. 1.

Torque: 19 N·m (190 kgf·cm, 14 ft·lbf)

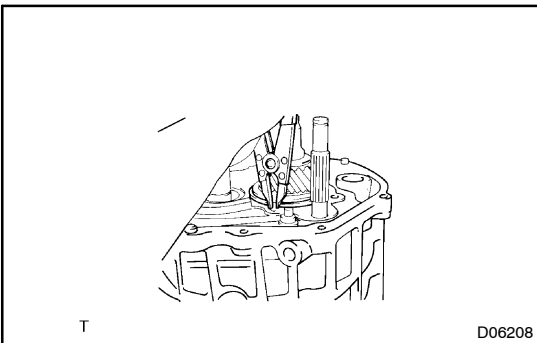


- (g) Install the shift and select lever stopper bolt.
Torque: 14 N·m (145 kgf·cm, 10 ft·lbf)



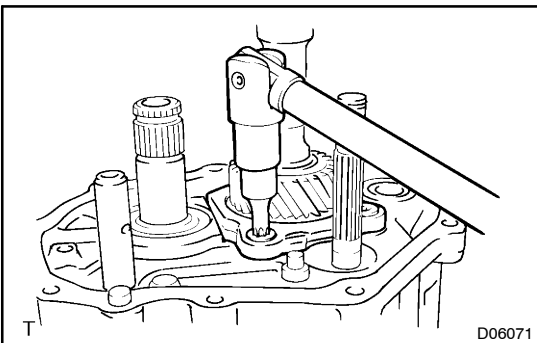
11. INSTALL SHIFT INTERLOCK PLATE BOLT

- (a) Coat sealant to shift interlock plate bolt.
Sealant:
Part No. 08833-00080, THREE BOND 1344, LOCTITE 242 or equivalent
- (b) Install the shift interlock plate bolt.
Torque: 31 N·m (320 kgf·cm, 23 ft·lbf)

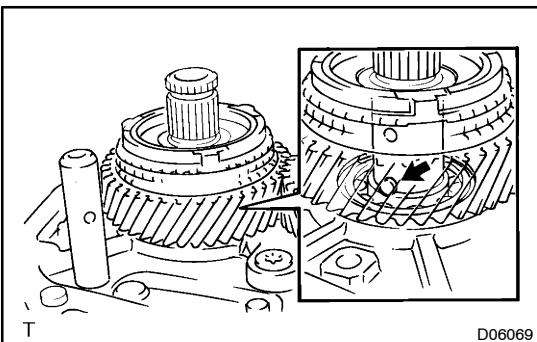


12. INSTALL OUTPUT SHAFT REAR BEARING RETAINER

- (a) Using a snap ring expander, install the output shaft bearing snap ring.

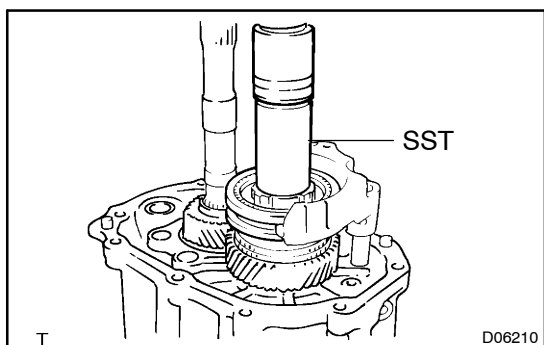


- (b) Coat sealant to 4 bolts.
Sealant:
Part No. 08833-00080, THREE BOND 1344, LOCTITE 242 or equivalent
- (c) Using a torx wrench (T45), install the output shaft rear bearing retainer with 4 bolts.
Torque: 30 N·m (305 kgf·cm, 22 ft·lbf)

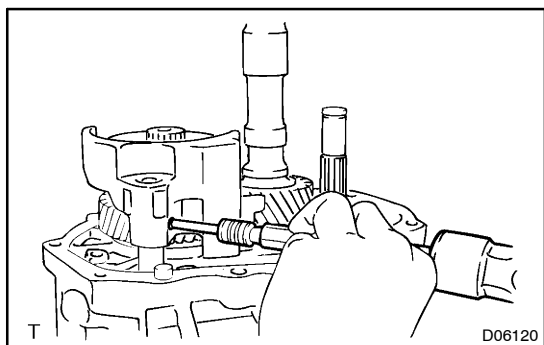


13. INSTALL CLUTCH HUB NO. 4

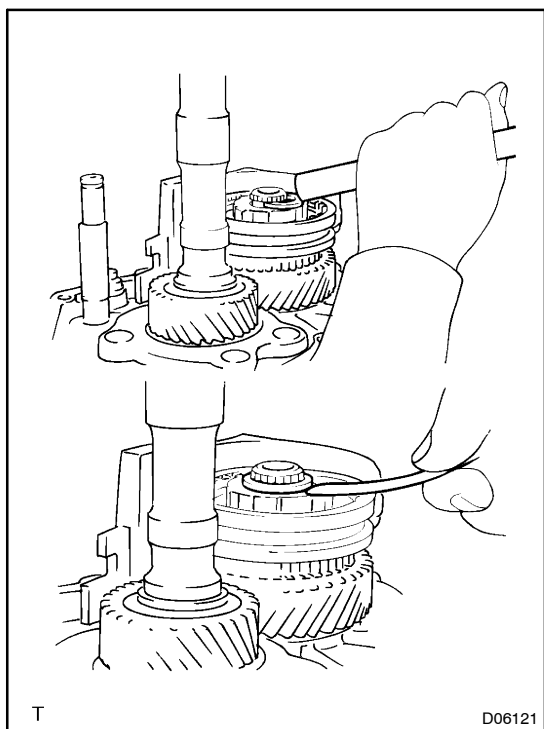
- (a) Install the gear thrust washer pin to counter shaft.
- (b) Apply gear oil to 6th gear thrust washer, 6th gear needle roller bearing, 6th counter gear synchronizer ring No. 3 and install them to counter shaft.



- (c) Using SST and press, install the clutch hub No. 4 with 3rd and 4th shift fork.
SST 09632-36010



- (d) Using a pin punch and hammer, drive in the slotted spring pin.
Drive in depth: 0 ± 0.5 mm (0 ± 0.02 in.)

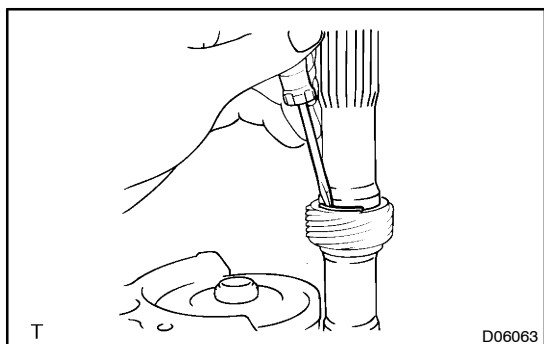


14. INSTALL SHAFT SNAP RING

- (a) Select a snap ring that will allow minimum axial play.

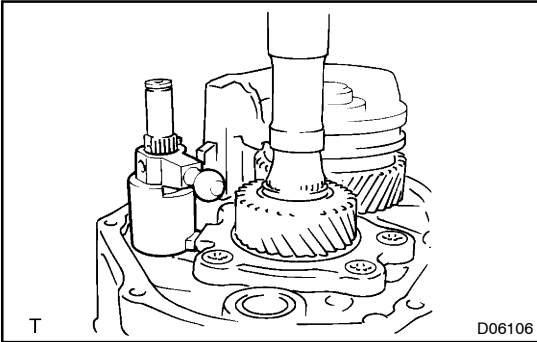
Mark	Thickness mm (in.)
A	2.80 (0.1102)
B	2.85 (0.1122)
C	2.90 (0.1142)
D	2.95 (0.1162)
E	3.00 (0.1181)
F	3.05 (0.1201)

- (b) Using a brass bar and hammer, tap in the snap ring.

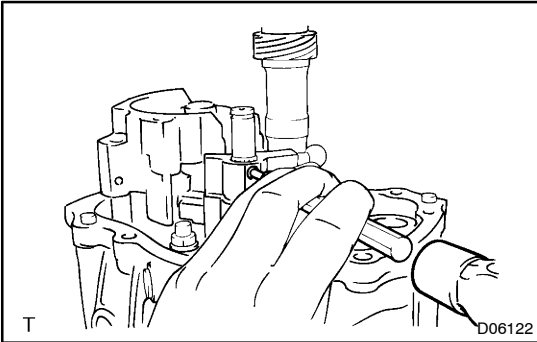


15. INSTALL SPEEDOMETER DRIVE GEAR

- (a) Put a clip on the speedometer drive gear and install the speedometer drive gear on the output shaft.
(b) Using a screwdriver, install the clip.

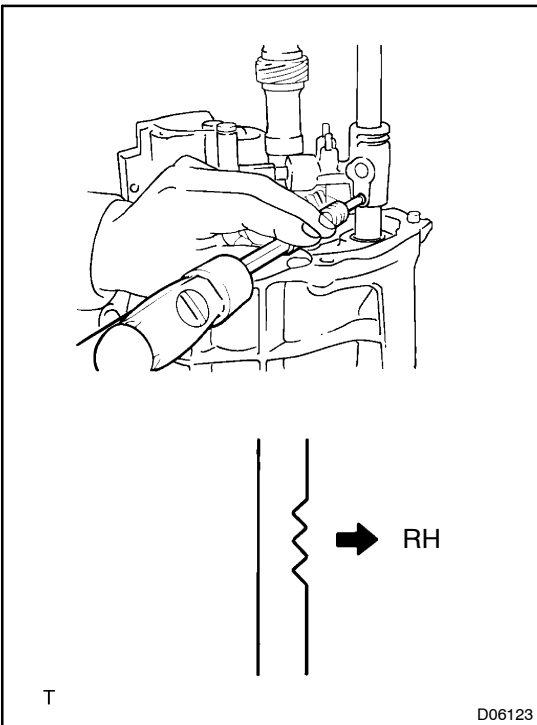
**16. INSTALL SHIFT AND SELECT LEVER**

- (a) Install the shift interlock block No. 2 and shift and select lever.



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

Drive in depth: 0 + 0.5 mm (0 + 0.02 in,)

**17. INSTALL SHIFT LEVER HOUSING**

- (a) Install the shift lever housing to gear shift fork shaft No. 1.
 (b) Install the gear shift fork shaft No. 1 to transmission case.
 (c) Using a pin punch and hammer, drive in the slotted spring pin.

Drive in depth: 0 + 0.5 mm (0 + 0.02 in,)

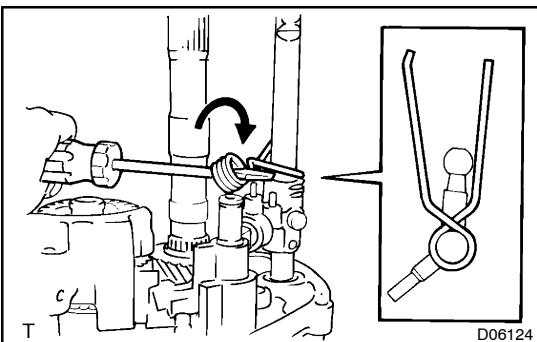
- (d) Apply sealant to the bolt.

Sealant:

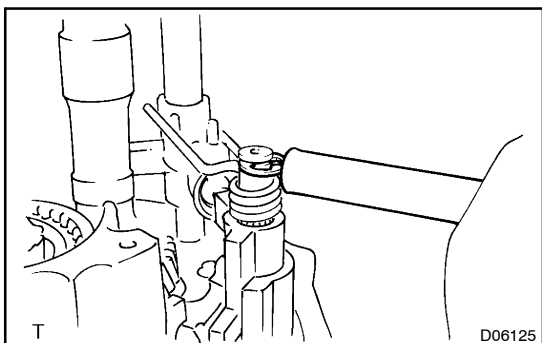
Part No. 08833-00080, THREE BOND 1344, LOCTITE 242 or equivalent

- (e) Install the bolt.

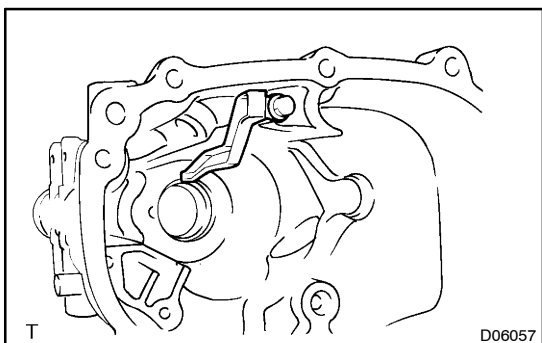
Torque: 30 N·m (305 kgf·cm, 22 ft·lbf)

**18. INSTALL SELECT RETURN TORSION SPRING**

- (a) Using a screwdriver, install the select return torsion spring.



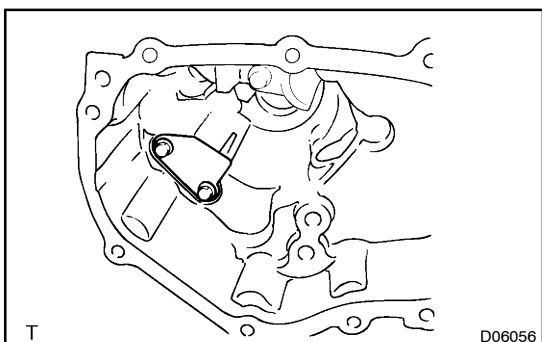
- (b) Using a brass bar and hammer, install the shift fork shaft E-ring.



19. INSTALL EXTENSION HOUSING OIL RECEIVER PIPE NO. 1

Install the extension housing oil seal receiver pipe No. 1 with bolt.

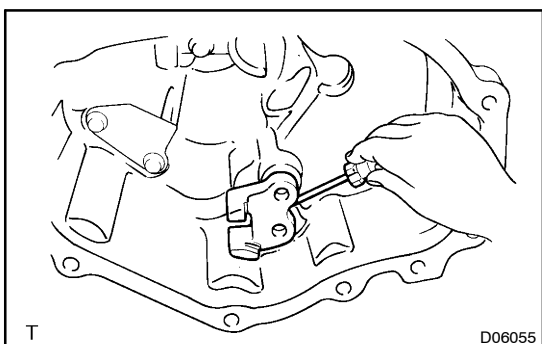
Torque: 8.5 N·m (85 kgf·cm, 74 in·lbf)



20. INSTALL OIL FILTER PLATE

Install the oil filter plate with 2 bolts.

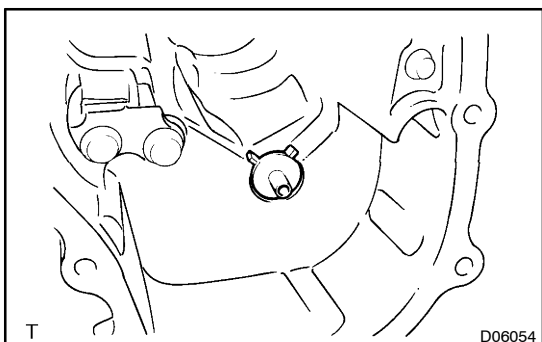
Torque: 8.5 N·m (85 kgf·cm, 74 in·lbf)



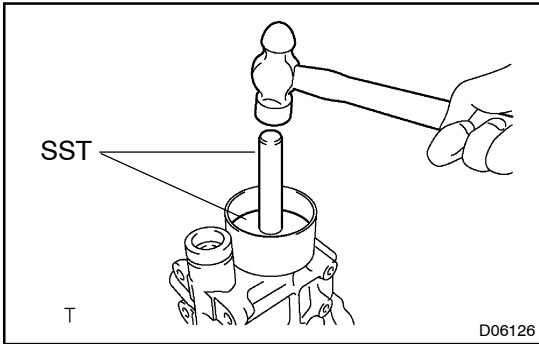
21. INSTALL SELECT STOPPER BLOCK

Install the select stopper block with the 2 bolts.

Torque: 21 N·m (210 kgf·cm, 15 ft·lbf)



22. INSTALL EXTENSION HOUSING OIL RECEIVER NO. 2

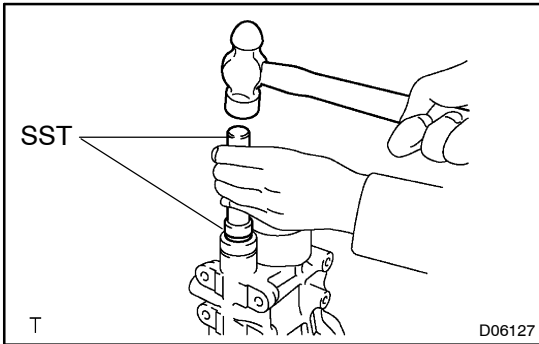


23. INSTAL EXTENSION HOUSING DUST DEFLECTOR

Using SST and a hammer, drive in the extension housing dust deflector.

SST 09950-60020 (09951-00750),
09950-70010 (09951-07100)

Drive in depth: 1.5 ± 0.5 mm (0.059 ± 0.02 in.)

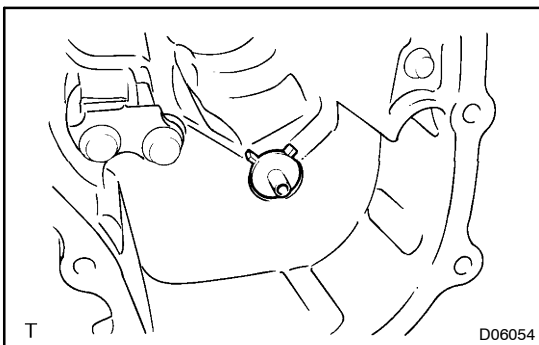


24. INSTALL EXTENSION HOUSING REAR OIL SEAL

(a) Using SST and hammer, install a new extension housing rear oil seal.

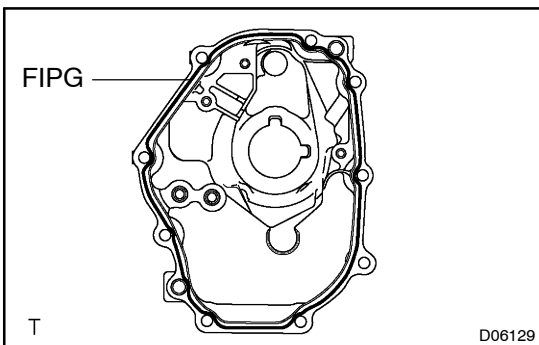
SST 09325-20010

(b) Apply MP grease to lip of extension housing oil seal.



25. INSTALL EXTENSION HOUSING BLEEDER PLUG

Using a screwdriver, and hammer, install the extension housing bleeder plug.



26. INSTALL EXTENSION HOUSING

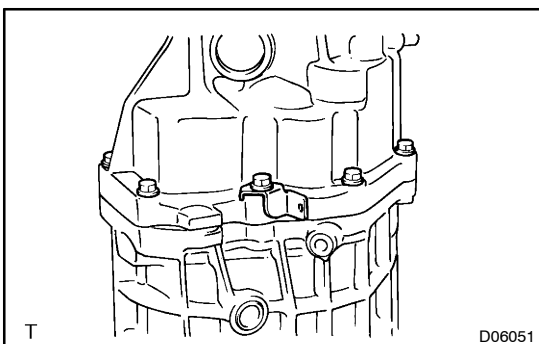
(a) Apply FIPG to extension housing, as shown in the illustration.

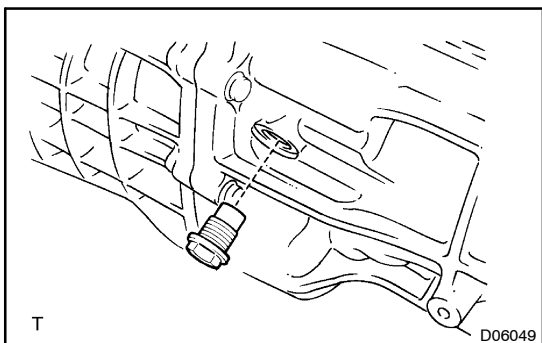
FIPG:

Part No. 08826-00090, THREE BOND 1281 or equivalent

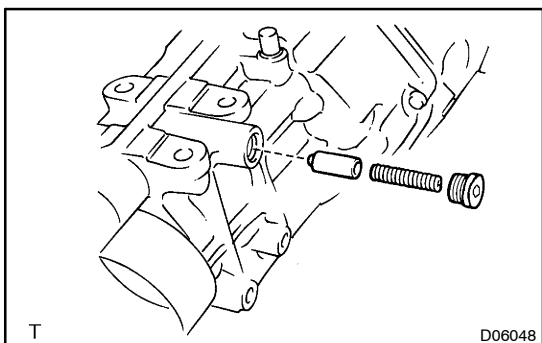
(b) Install the extension housing with 9 bolts and clamp.

Torque: 29 N·m (300 kgf·cm, 22 ft·lbf)





- 27. INSTALL REVERSE RESTRICT PIN**
Torque: 37 N·m (380 kgf·cm, 27 ft·lbf)



- 28. INSTALL LOCK BALL PIN**
- Apply sealant to head straight screw plug No. 2.
Sealant:
Part No. 08833-00080, THREE BOND 1344, LOCTITE 242 or equivalent
 - Install the lock ball pin and shift select spring.
 - Using a hexagon wrench (8.0 mm, 0.31 in.), install the head straight screw plug No. 2.

Torque: 25 N·m (250 kgf·cm, 18 ft·lbf)

- 29. INSTALL CONTROL SHIFT LEVER DUST BOOT**

- 30. INSTALL FLOOR SHIFT LEVER HOUSING**

- Install the floor shift lever spring.
- Using a pin punch and hammer, drive in the slotted spring pin until it is flush with floor shift lever housing.
- Apply sealant to the bolt.

Sealant:

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

- Install the bolt.

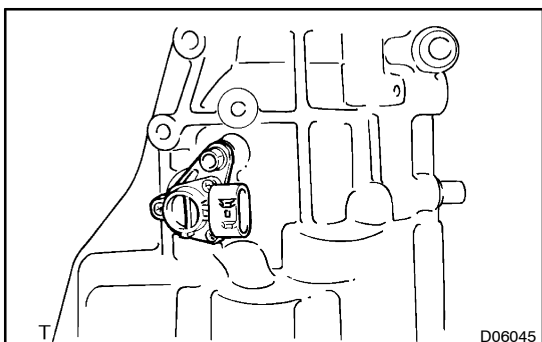
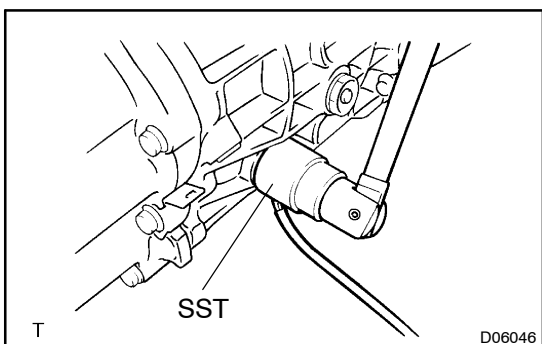
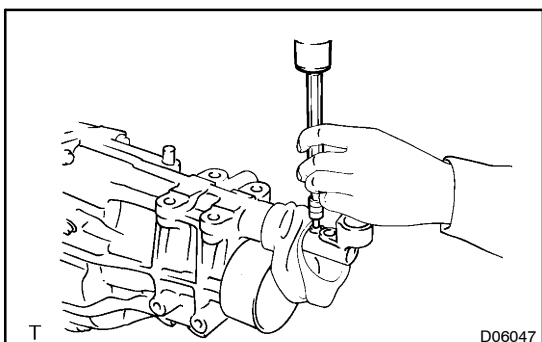
Torque: 38 N·m (390 kgf·cm, 28 ft·lbf)

- 31. INSTALL BACK-UP SWITCH**

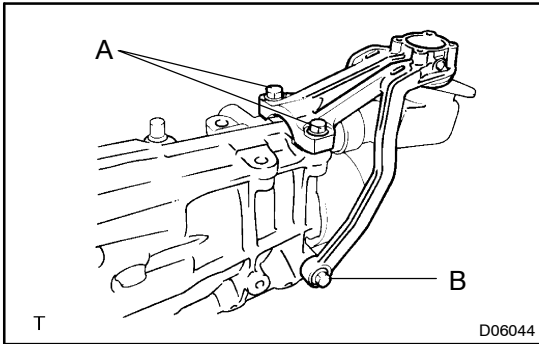
Install the back-up switch together with new gasket.

SST 09817-16011

Torque: 44 N·m (450 kgf·cm, 33 ft·lbf)



- 32. INSTALL VEHICLE SPEED SENSOR**
 Install the vehicle speed sensor with the bolt.
Torque: 14 N·m (140 kgf·cm, 10 ft·lbf)

**33. INSTALL CONTROL SHIFT LEVER RETAINER**

Install the control shift lever retainer with the 4 bolts.

Torque:

Bolt (A): 29 N·m (300 kgf·cm, 27 ft·lbf)

Bolt (B): 19.5 N·m (195 kgf·cm, 14 ft·lbf)

34. INSTALL CLUTCH RELEASE FORK SUPPORT

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