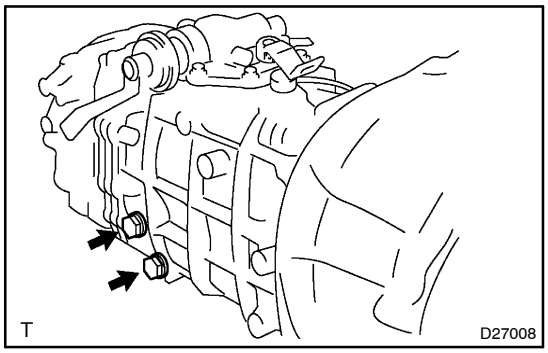
410CI–01

OVERHAUL

NOTICE:

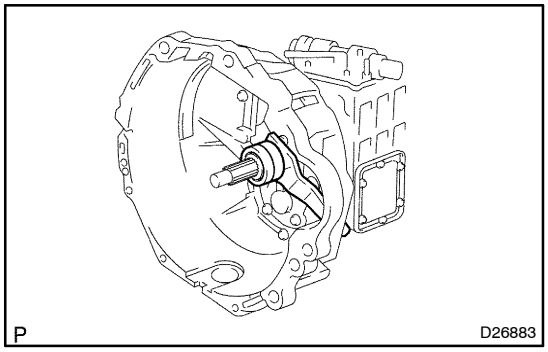
When working with FIPG (Seal packing) material, you must observe the following items.

- **Using a razor blade and gasket scraper, remove all the old FIPG material from the gasket surfaces.**
- **Thoroughly clean all components to remove all the loose material.**
- **Clean both sealing surfaces with a non–residue solvent.**
- **Apply FIPG in an approx. 1.2 mm (0.05 in.) wide bead along the sealing surface.**
- **Parts must be assembled within 10 minutes of application. Otherwise, the FIPG material must be removed and reapplied.**



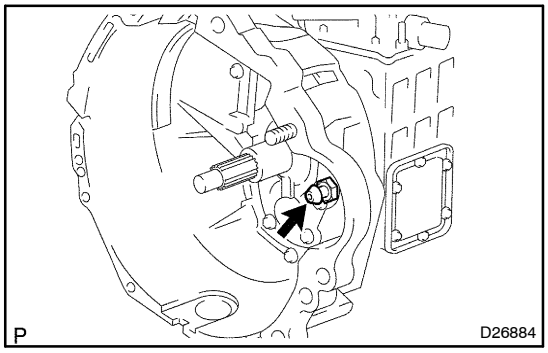
1. REMOVE DRAIN PLUG

2. REMOVE FILLER PLUG



3. REMOVE CLUTCH RELEASE BEARING ASSY

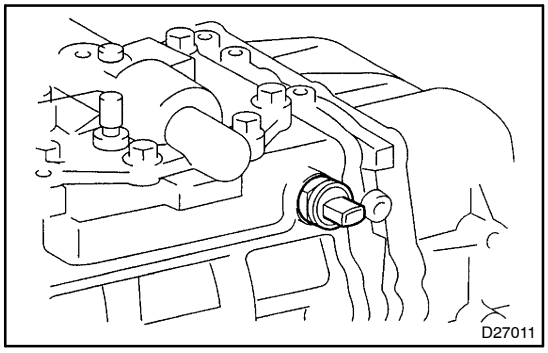
4. REMOVE CLUTCH RELEASE FORK SUB–ASSY



5. REMOVE RELEASE FORK SUPPORT

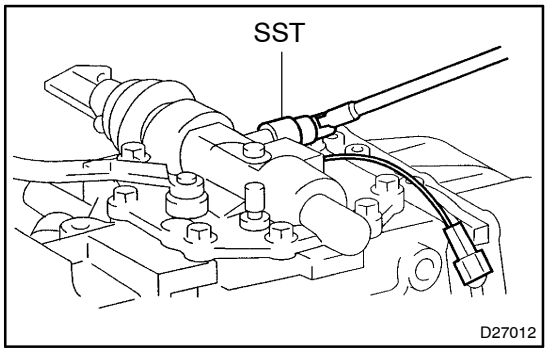
(a) Using a socket wrench (19 mm), remove the release fork support.

6. REMOVE CLUTCH RELEASE FORK BOOT



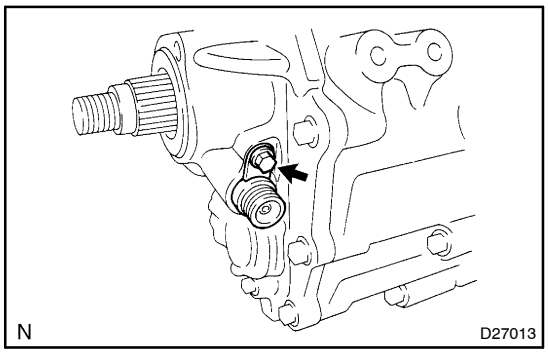
7. REMOVE BACK UP LAMP SWITCH ASSY

(a) Remove the back up lamp switch and gasket.



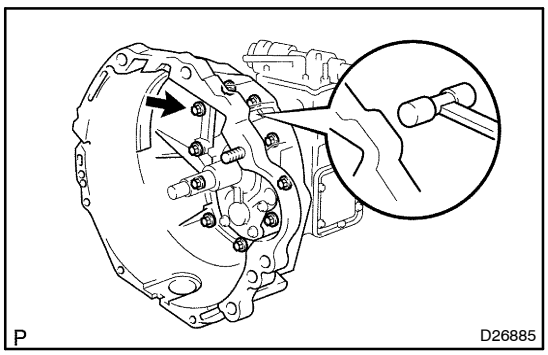
8. REMOVE EXHAUST BRAKE NEUTRAL SWITCH ASSY

(a) Using SST, remove the neutral switch and gasket.
SST 09817–16011



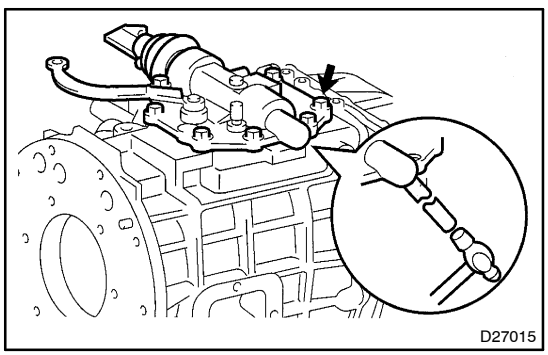
9. REMOVE SPEEDOMETER DRIVEN (MTM) GEAR SUB–ASSY

(a) Remove the bolt, lock plate driven gear sub–assy and O–ring.



10. REMOVE CLUTCH HOUSING

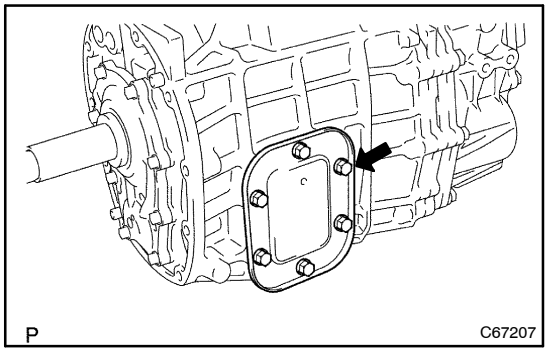
(a) Remove the 10 bolts.
(b) Using a plastic hammer, tap out the clutch housing.



11. REMOVE SHIFT LEVER SHAFT HOUSING ASSY

HINT:
The lever must be removed after shifting it in the neutral position.

(a) Remove the 8 bolts and 2 clamps.
(b) Using a plastic hammer, carefully tap out the shift lever shaft housing.

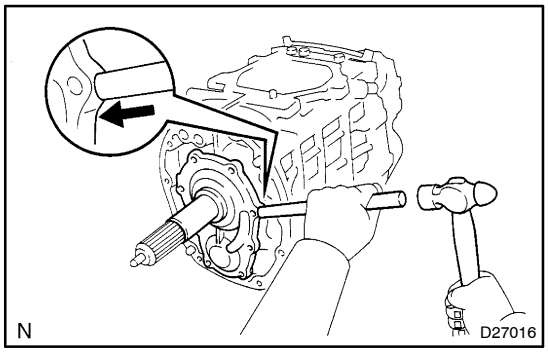


12. REMOVE MANUAL TRANSMISSION POWER TAKE–OFF COVER

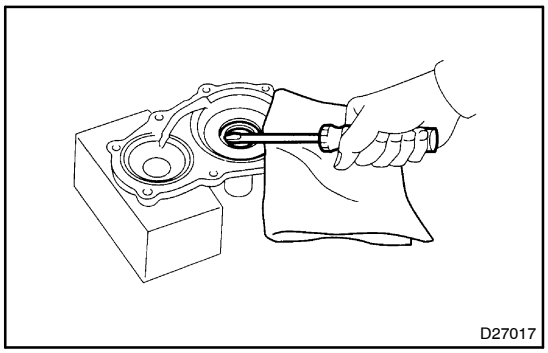
(a) Remove the 6 bolts, cover and gasket.

13. REMOVE BEARING RETAINER FRONT (MTM)

(a) Remove the 8 bolts.



(b) Using a brass bar and a hammer, carefully tap out the front bearing retainer.

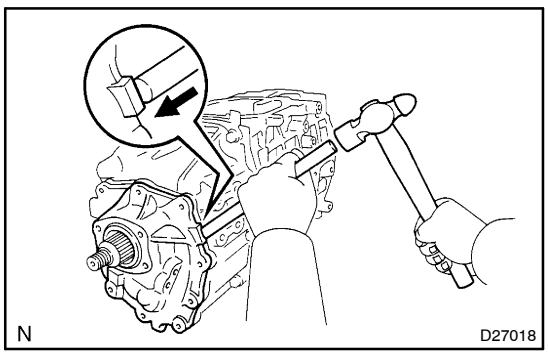


14. REMOVE TRANSMISSION FRONT BEARING RETAINER OIL SEAL

(a) Using a screwdriver, pry out the oil seal.

15. REMOVE OUTPUT SHAFT REAR BEARING (MTM) RETAINER

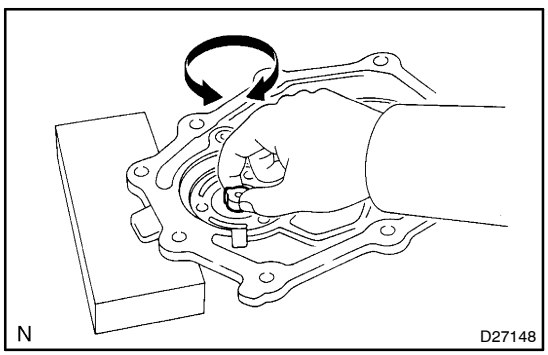
(a) Remove the 9 bolts.



(b) Using a brass bar and a hammer, carefully tap out the rear bearing retainer.

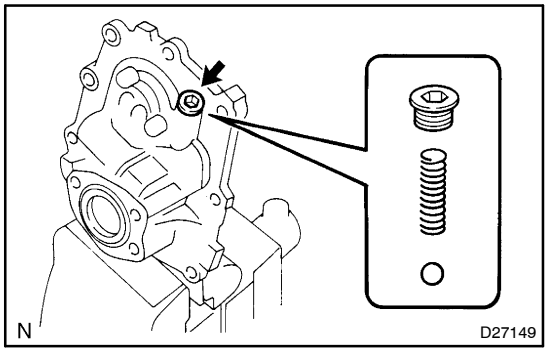
HINT:

Make the brass bar touched the lib portion of the case.



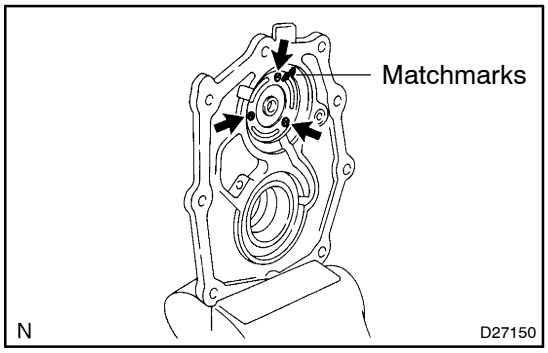
16. INSPECT OIL PUMP

(a) Rotate the oil pump drive shaft lightly, and check that the drive rotor turns smoothly.

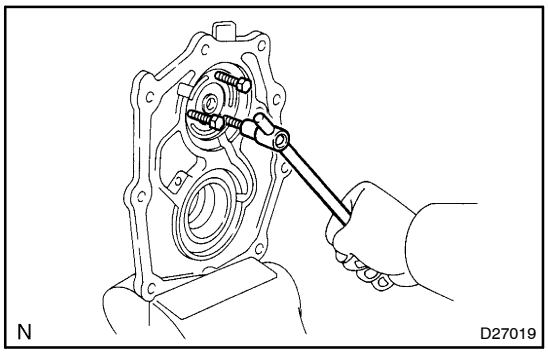


17. REMOVE OIL PUMP ASSY

(a) Remove the plug, compression spring and ball.
  (1) Fix the rear bearing retainer onto a vise through the aluminium plate.
  (2) Using a torx socket wrench (T40), remove the plug.
  (3) Using a magnetic finger, remove the spring and ball.

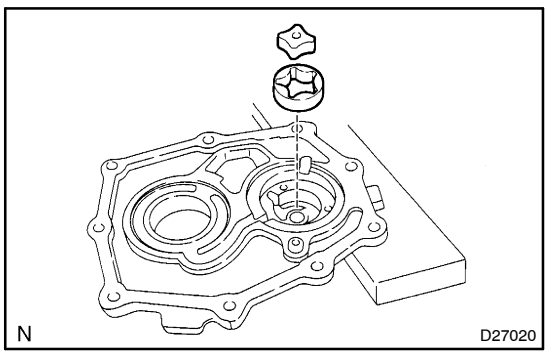


(b) Remove the oil pump cover.
  (1) Remove the oil pump drive shaft.
  (2) Place matchmarks on the oil pump cover and rear bearing retainer.
  (3) Using a torx socket wrench (T30), remove the 3 screws.



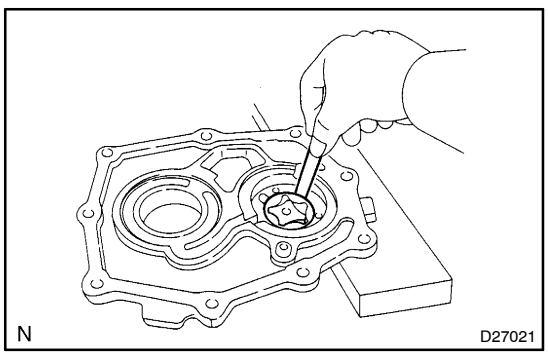
  (4) Install 3 bolts (normal diameter 8 mm, pitch 1.25 mm, length under the neck 35 mm) on the oil pump cover and tighten them equally, and then remove the oil pump cover.

NOTICE:
Do not force in the bolts.



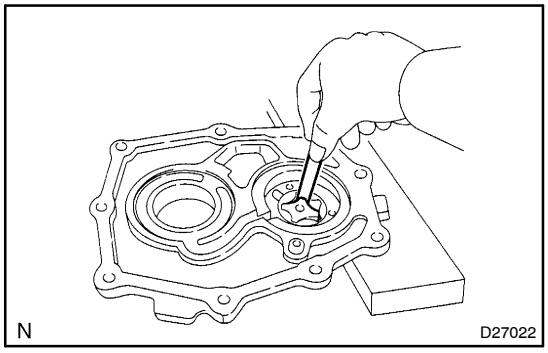
(c) Remove the drive and driven rotors.

HINT:
If the teeth section of the drive and driven rotors have scratches, replace them with new ones.

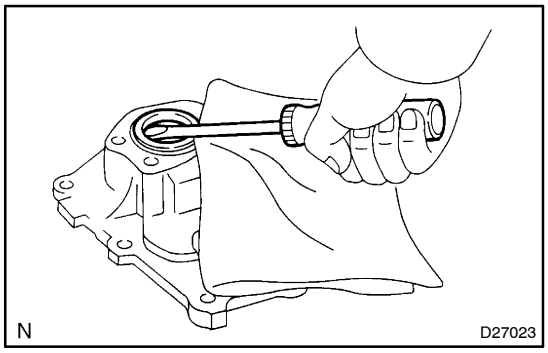


18. INSPECT ROTOR

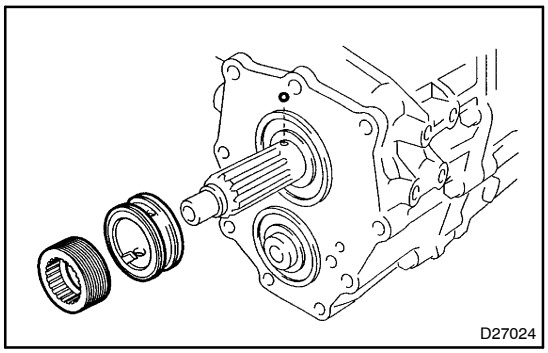
(a) Inspect the driven rotor for body clearance.
  Using a feeler gauge, measure the clearance between the driven rotor and body.
  Standard body clearance:
  0.02 – 0.17 mm (0.0008 – 0.0067 in.)
  Maximum body clearance: 0.17 mm (0.0067 in.)



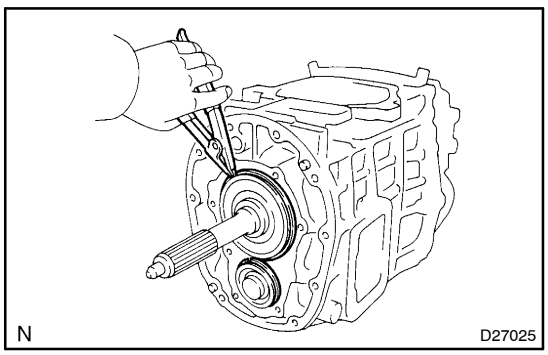
(b) Inspect the rotors for tip clearance.
Using a feeler gauge, measure the clearance between the drive rotor and driven rotor.
Standard tip clearance:
0.05 – 0.15 mm (0.0020 – 0.0059 in.)
Maximum tip clearance: 0.15 mm (0.0059 in.)



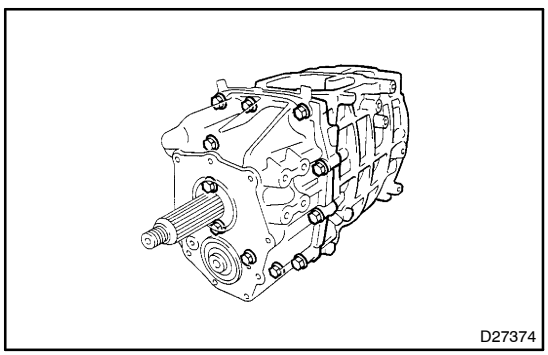
19. REMOVE TYPE T OIL SEAL
(a) Using a screwdriver, pry out the oil seal.
NOTICE:
Protect the bearing retainer with a shop rag so as not to damage it.



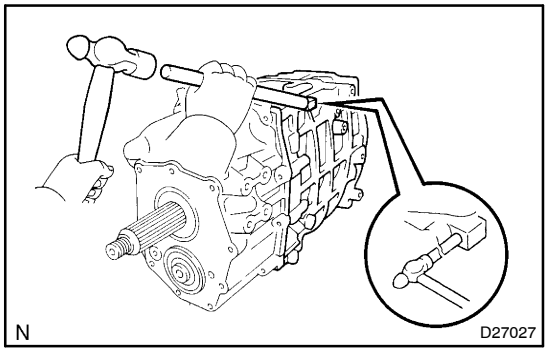
20. REMOVE SPEEDOMETER DRIVE (MTM) GEAR
21. REMOVE SPEEDOMETER DRIVE GEAR SPACER
22. REMOVE SPEEDOMETER DRIVE GEAR (MTM) KEY OR BALL



23. REMOVE FRONT BEARING SHAFT SNAP RING
(a) Using snap ring pliers (expander), remove the snap ring.
24. REMOVE COUNTER GEAR FRONT BEARING SNAP RING NO.1
(a) Using snap ring pliers (expander), remove the snap ring.



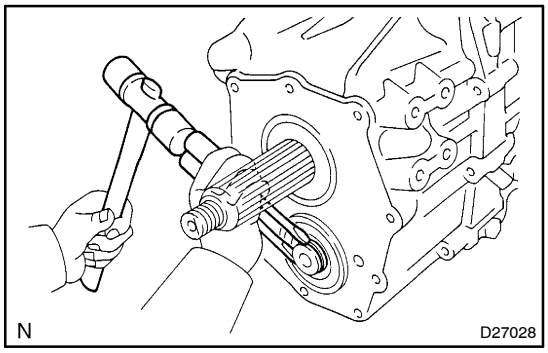
25. REMOVE MANUAL TRANSMISSION CASE
(a) Remove the 11 bolts and 2 clamps.



(b) Using a brass bar and a hammer, carefully tap out the transmission case.

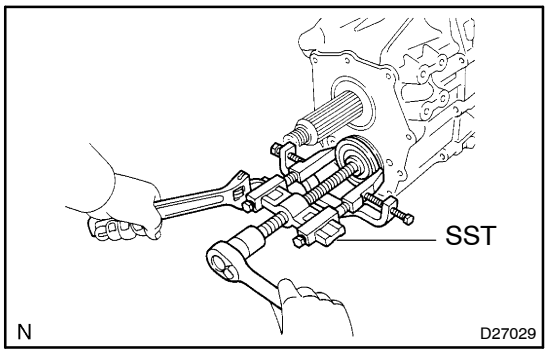
HINT:

Make the brass bar touched the lib portion of the case.



26. REMOVE SNAP RING COUNTER GEAR REAR BEARING

(a) Using 2 screwdrivers and a hammer, tap out the snap ring.



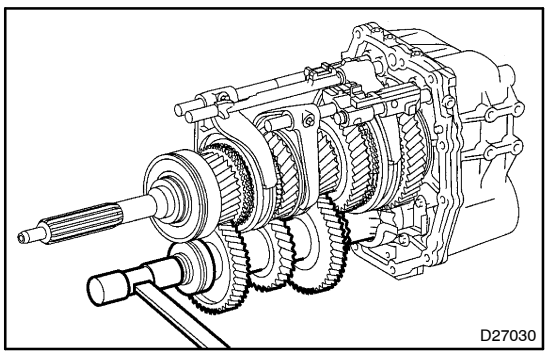
27. REMOVE COUNTER SHAFT REAR BEARING

(a) Using SST, remove the counter shaft rear bearing.

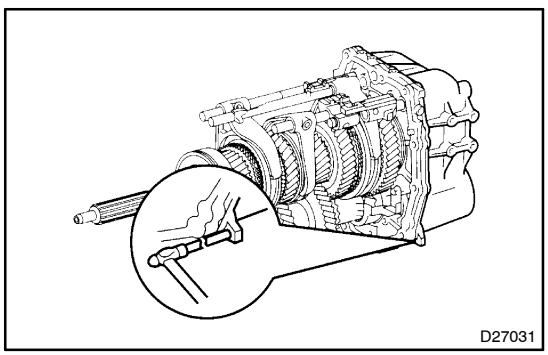
SST 09950–40011 (09951–04010, 09952–04010, 09953–04030, 09954–04010, 09955–04011, 09958–04011)

HINT:

- Use it after applying the gear oil to the screw of SST center bolt and the attachment.



- Remove the bearing while tapping the tip of the counter gear with a plastic hammer to prevent the counter gear from being pushed to the front and attaching to the side of the gear.

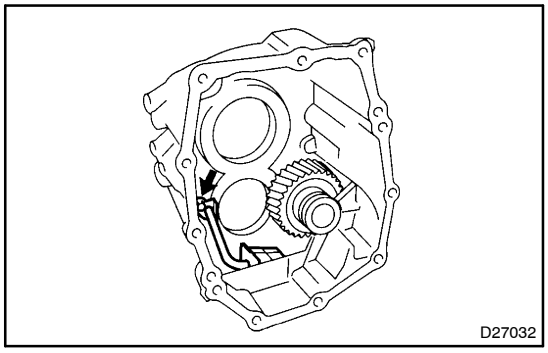


28. REMOVE TRANSMISSION CASE RR

(a) Using a brass bar and a hammer, tap out the transmission case.

NOTICE:

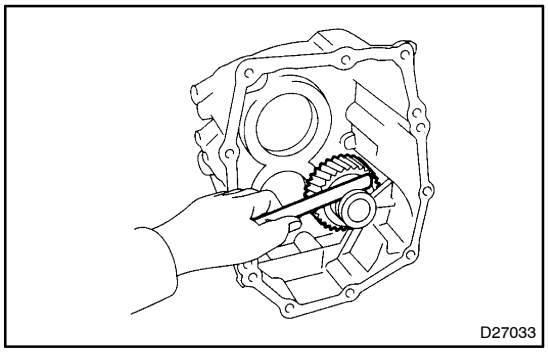
Attach the brass bar to the rib of the case.



29. REMOVE REAR CASE MANUAL TRANSMISSION OIL STRAINER SUB–ASSY

(a) Remove the bolt and oil strainer.

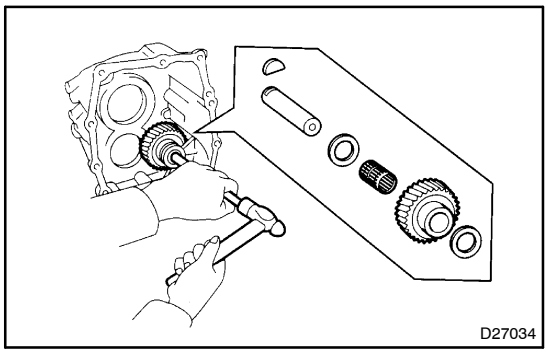
(b) Remove the O–ring from the oil strainer.



30. INSPECT REVERSE IDLER GEAR THRUST CLEARANCE

(a) Using a feeler gauge, measure the thrust clearance of the reverse idler gear.

Standard thrust clearance:
0.10 – 0.55 mm (0.0039 – 0.0217 in.)
Maximum thrust clearance:
0.55 mm (0.0217 in.)



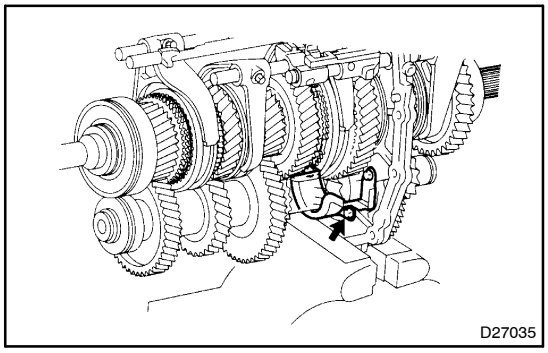
31. REMOVE REVERSE IDLER GEAR

(a) Remove the key from the reverse idler gear shaft.

(b) Using a brass bar and a hammer, tap out the reverse idler gear shaft.

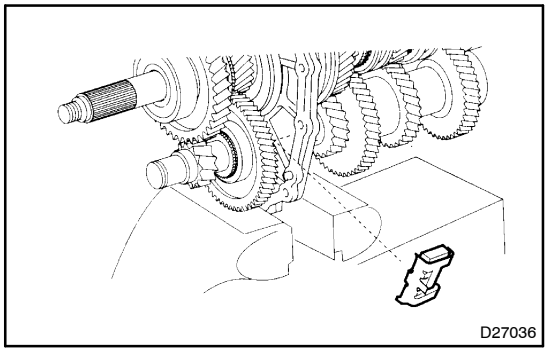
(c) Remove the reverse idler gear, 2 thrust washers and needle roller bearing.

32. FIX TRANSMISSION INTERMEDIATE PLATE

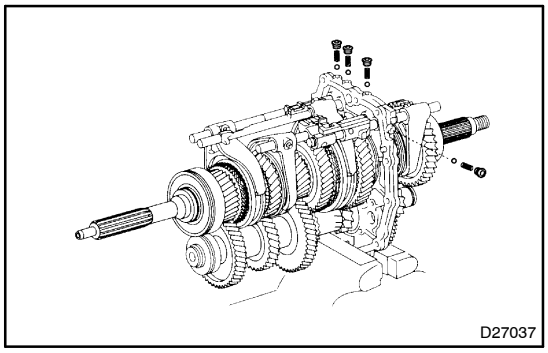


33. REMOVE MANUAL TRANSMISSION CASE RECEIVER

(a) Remove the 3 bolts and case receiver.



34. REMOVE TRANSMISSION MAGNET



35. REMOVE INTER LOCK HOLE PLUG

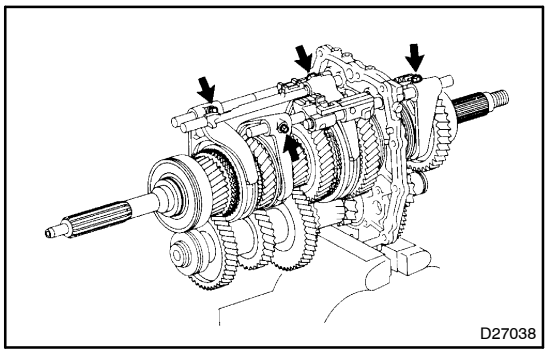
(a) Using a torx wrench (T40), remove the 4 plugs.

36. REMOVE SHIFT DETENT BALL LOW SIDE COMPRESSION SPRING

(a) Using a magnetic finger, remove the 4 springs.

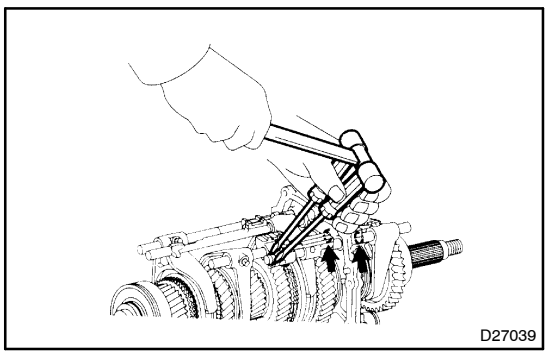
37. REMOVE SHIFT INTER LOCK BALL

(a) Using a magnetic finger, remove the 4 balls.

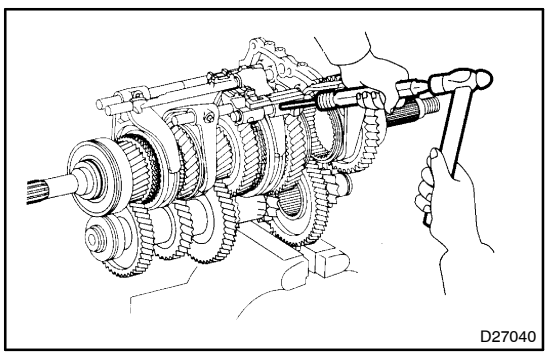


38. REMOVE GEAR SHIFT FORK SHAFT NO.4

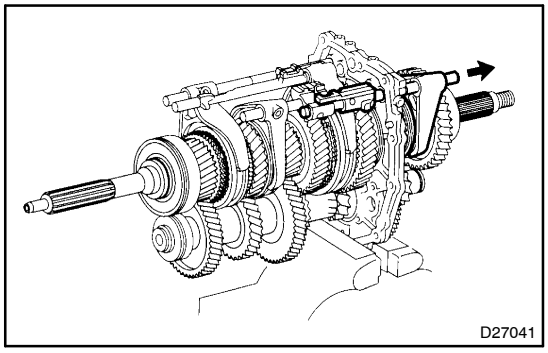
(a) Remove the 4 shift fork bolts.



(b) Using 2 screwdrivers and a hammer, tap out the 3 snap rings.



(c) Using a pin punch and a hammer, tap out the slotted pin.

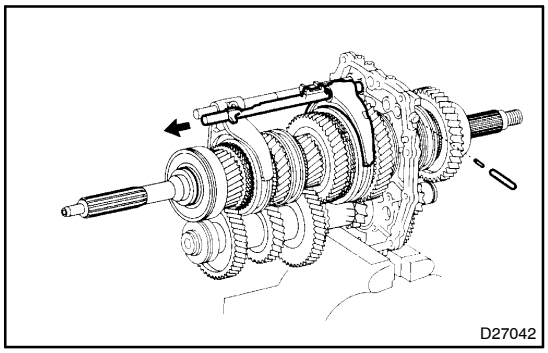


(d) Pull out the shift fork shaft No. 4 to the rear, and remove the shift fork No. 4 and reverse shift head.

39. REMOVE GEAR SHIFT FORK SHAFT NO.3

(a) Using a magnetic finger, remove the inter lock pin No. 1 and 2 balls.

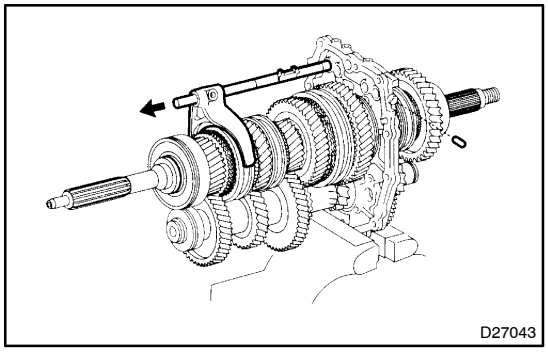
(b) Remove the shift fork shaft No. 3, shift fork No. 3 and shift head No. 1.



40. REMOVE GEAR SHIFT FORK SHAFT NO.1

(a) Using a magnetic finger, remove the inter lock pin No. 1 and No. 2.

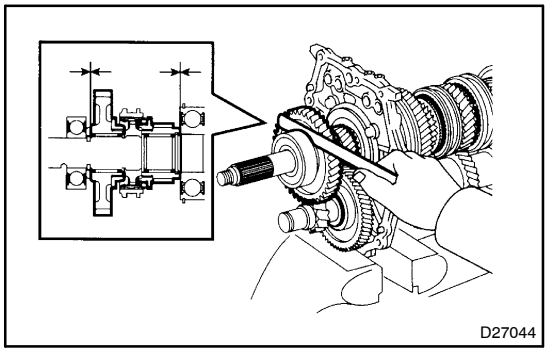
(b) Remove the shift fork shaft No. 1 and shift fork No. 1.



41. REMOVE GEAR SHIFT FORK SHAFT NO.2

(a) Using a magnetic finger, remove the inter lock roller No. 1.

(b) Pull out the shift fork shaft No. 2 to the front, and remove the shift fork No. 2.



42. INSPECT REVERSE GEAR AND 6TH GEAR THRUST CLEARANCE

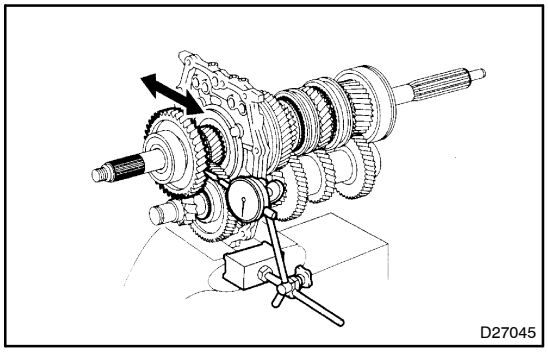
(a) Using a feeler gauge, measure the thrust clearance.

Standard thrust clearance:

Gear	Clearance mm (in.)
6th	0.10 – 0.57 (0.0039 – 0.0098)
Reverse	0.10 – 0.25 (0.0039 – 0.0098)

Maximum thrust clearance:

Gear	Clearance mm (in.)
6th	0.57 (0.0224)
Reverse	0.25 (0.0098)



43. INSPECT REVERSE GEAR AND 6TH GEAR RADIAL CLEARANCE

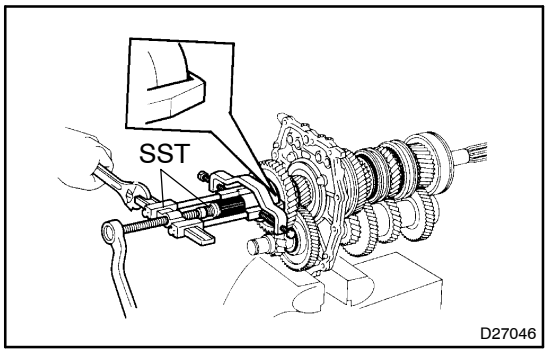
(a) Using a dial indicator, measure the radial clearance between the gear and shaft.

Standard radial clearance:

Gear	Clearance mm (in.)
6th	0.020 – 0.073 (0.0008 – 0.0029)
Reverse	0.015 – 0.067 (0.0006 – 0.0026)

Maximum radial clearance:

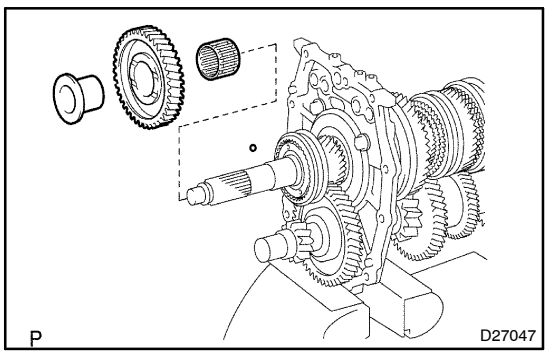
Gear	Clearance mm (in.)
6th	0.073 (0.0029)
Reverse	0.067 (0.0026)



44. REMOVE OUTPUT SHAFT REAR BEARING

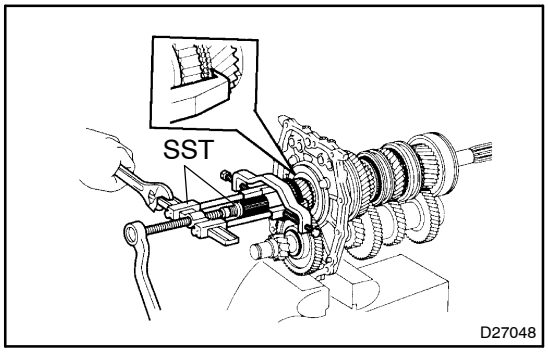
(a) Using SST, remove the rear bearing.

SST 09950–40011 (09951–04020, 09952–04010, 09953–04020, 09954–04020, 09955–04061, 09957–04010, 09958–04011) 09950–60010 (09951–00180)



45. REMOVE REVERSE GEAR

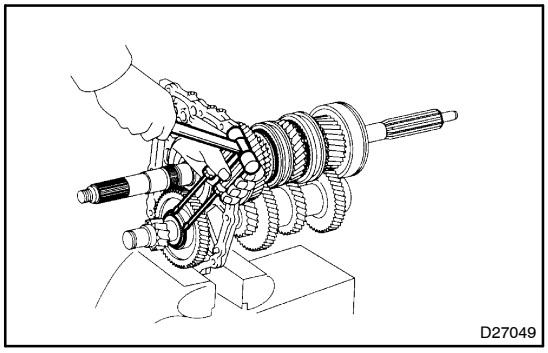
(a) Remove the bearing inner race, ball, reverse gear and needle roller bearing.



46. REMOVE 6TH GEAR SUB–ASSY

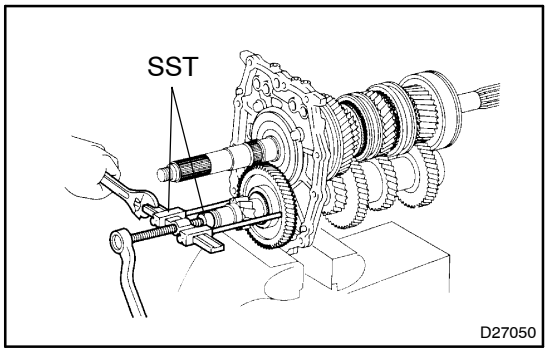
(a) Using SST, remove the clutch hub No. 4, synchronizer ring No. 2, 6 th gear and needle roller bearing.

SST 09950–40011 (09951–04020, 09952–04010, 09953–04020, 09954–04030, 09955–04061, 09957–04010, 09958–04011) 09950–60010 (09951–00180)



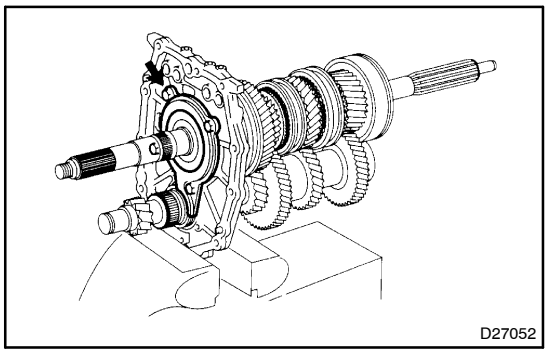
47. REMOVE COUNTER GEAR FRONT BEARING SNAP RING NO.2

(a) Using 2 screwdrivers and a hammer, tap out the snap ring.



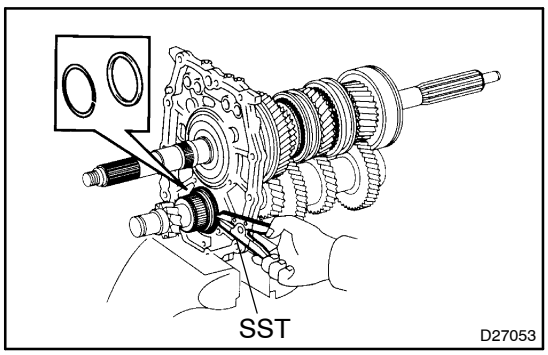
48. REMOVE COUNTER GEAR 6TH

(a) Using SST, remove the counter gear 6th.
SST 09950–50013 (09951–05010, 09952–05010, 09953–05020, 09954–05040) 09950–40011 (09957–04010) 09950–60010 (09951–00300)



49. REMOVE BEARING RETAINER CTR

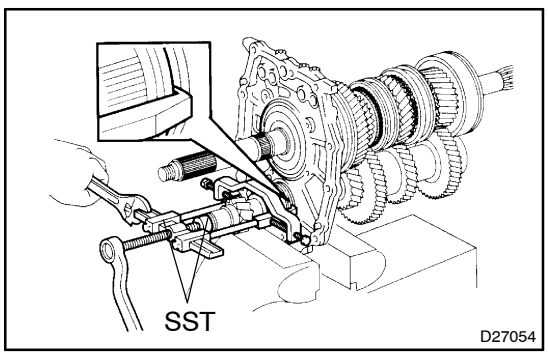
(a) Remove the 4 bolts and bearing retainer.



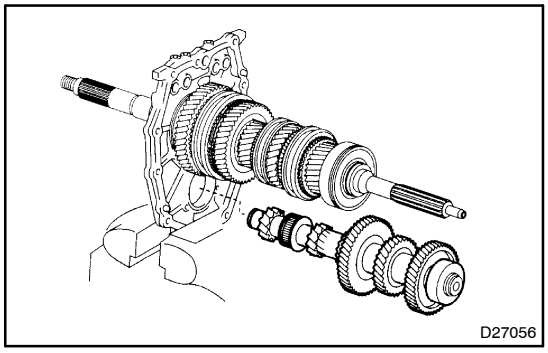
50. REMOVE COUNTER GEAR CENTER BEARING OUTER RACE

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

(b) Remove the spacer.



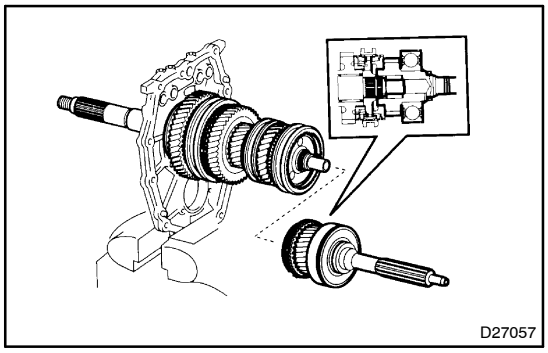
(c) Using SST, remove the outer race.
SST 09950–40011 (09951–04020, 09952–04010, 09953–04020, 09954–04020, 09955–04011, 09957–04010, 09958–04011) 09950–60010 (09951–00300)



51. REMOVE COUNTER GEAR ASSY

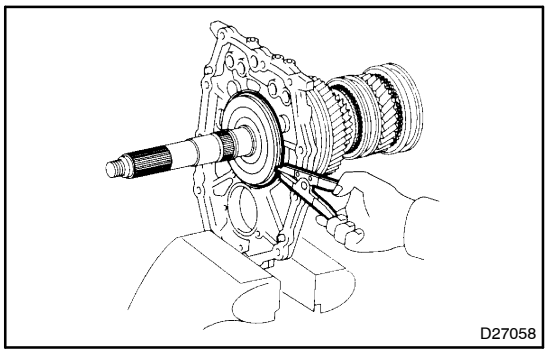
(a) Remove the counter gear from the intermediate plate.
SST 09950–40011 (09951–04010, 09952–04010, 09953–04010, 09954–04010, 09955–04011, 09958–04011)

(b) Remove the counter gear center bearing from the counter gear.



52. REMOVE INPUT SHAFT ASSY

(a) Remove the input shaft assembly from the output shaft.

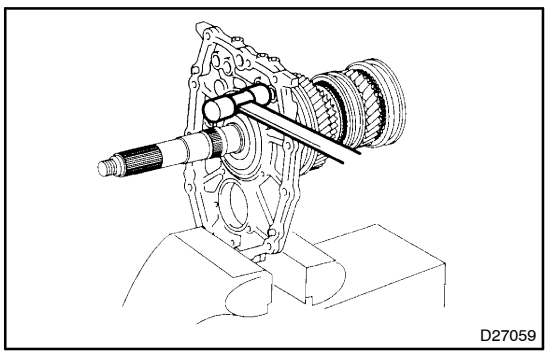


53. REMOVE OUTPUT SHAFT CENTER BEARING SHAFT SNAP RING

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

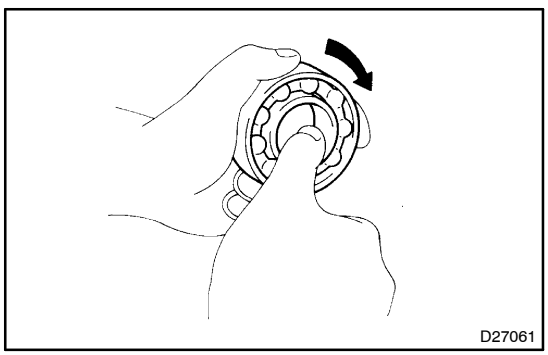
NOTICE:

Do not expand the snap ring excessively.



54. REMOVE OUTPUT SHAFT ASSY

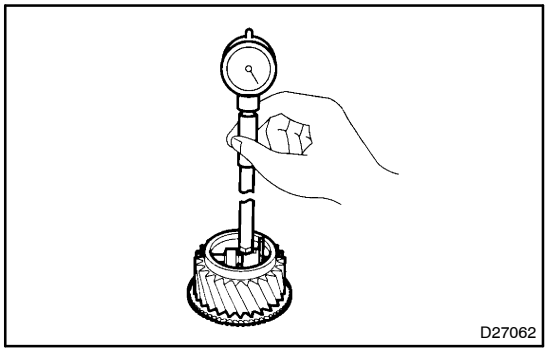
(a) Using a plastic hammer, remove the output shaft assy by tapping the the intermediate plate.



55. INSPECT OUTPUT SHAFT REAR BEARING

(a) Check that the bearing turns freely.

If the bearing is damaged, worn, or does not turn freely, replace it.



56. INSPECT 6TH GEAR AND REVERSE GEAR

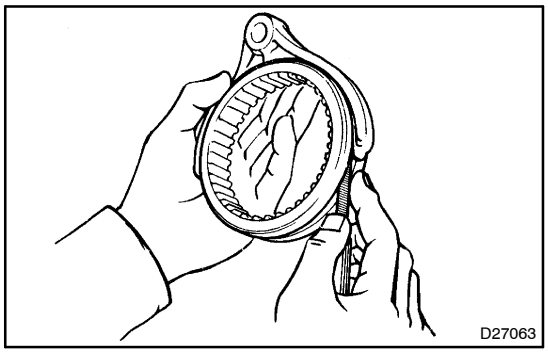
(a) Using a cylinder gauge, measure the inside diameter of the gear.

Standard inside diameter:

Gear	Diameter mm (in.)
6th	46.015 – 46.040 (1.8116 – 1.8126)
Reverse	54.015 – 540.40 (2.1266 – 2.1276)

Maximum inside diameter:

Gear	Diameter mm (in.)
6th	46.040 (1.8126)
Reverse	540.40 (2.1276)

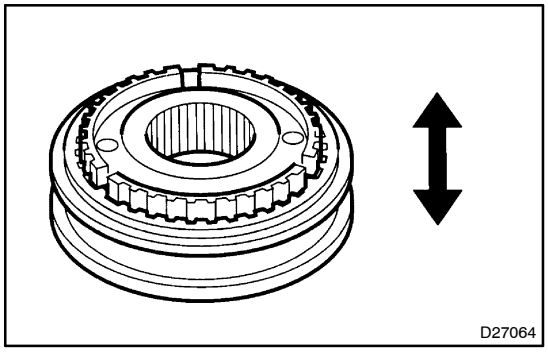


57. INSPECT GEAR SHIFT FORK AND HUB SLEEVE CLEARANCE

(a) Using a feeler gauge, measure the clearance between the hub sleeve and gear shift fork.

Maximum clearance: 0.35 mm (0.0138 in.)

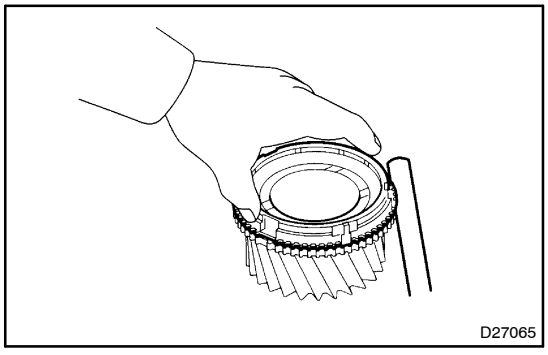
If the clearance is greater than the maximum, replace the gear shift fork or hub sleeve.



58. INSPECT CLUTCH HUB NO. 4 AND HUB SLEEVE NO. 4

(a) Check that the spline gear tip of the hub sleeve No. 4 is not worn out.

(b) Install the hub sleeve No. 4 to the clutch hub No. 4, and check that it slides smoothly.



59. INSPECT SYNCHRONIZER RING SET NO.2

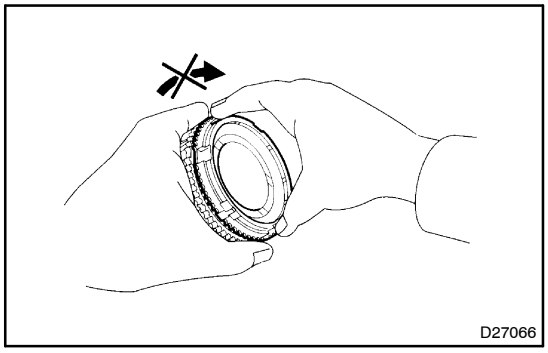
(a) Using a feeler gauge, measure the clearance between the synchronizer ring back and gear spline end.

Minimum clearance: 1.1 mm (0.0433 in.)

If the clearance is less than the minimum, replace the synchronizer ring, and apply a small amount of the fine lapping compound on the gear cone.

NOTICE:

Ensure the fine lapping compound is completely washed off after rubbing.


D27066

(b) Check for wear or damage.
(c) Check the braking effect of the synchronizer ring.
Turn the synchronizer ring in one direction while pushing it to the gear one. Check that the ring locks.

If the braking effect is insufficient, apply a small amount of the fine lapping compound between the synchronizer ring and gear cone. Lightly rub the synchronizer ring and gear cone together.

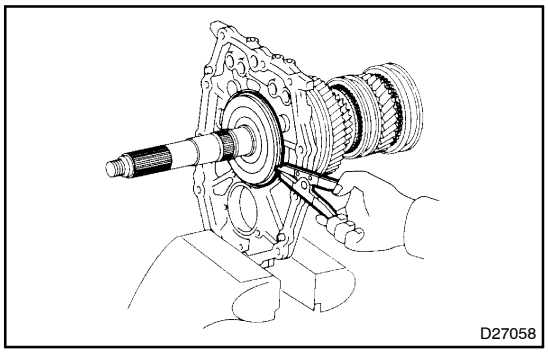
NOTICE:

Ensure the fine lapping compound is completely washed off after rubbing.

(d) Check again the braking effect of the synchronizer ring.

60. INSTALL OUTPUT SHAFT ASSY

(a) Install the output shaft assy to the intermediate plate.

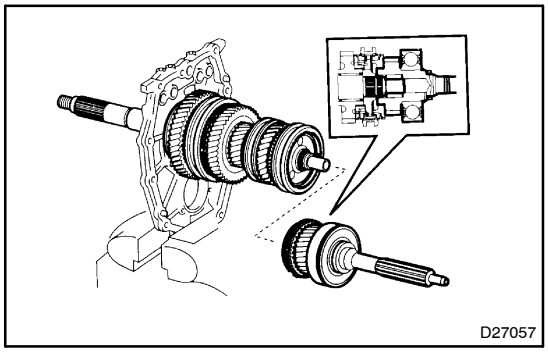

D27058

61. INSTALL OUTPUT SHAFT CENTER BEARING SHAFT SNAP RING

(a) Select a snap ring by making the thrust clearance of the bearing by 0 to 0.1mm (0.004 in.).

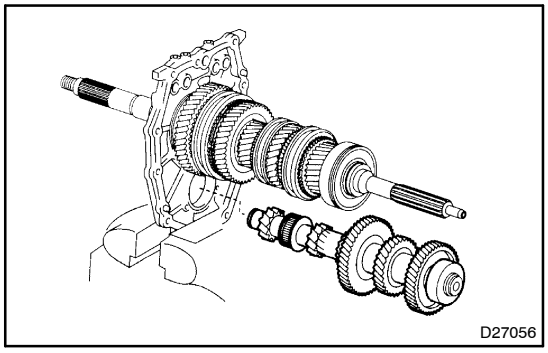
Mark	Thickness mm (in.)
A	2.40 – 2.45 (0.0945 – 0.0965)
B	2.45 – 2.50 (0.0965 – 0.0984)
C	2.50 – 2.55 (0.0984 – 0.1004)
D	2.55 – 2.60 (0.1004 – 0.1024)
E	2.60 – 2.65 (0.1024 – 0.1043)
F	2.65 – 2.70 (0.1043 – 0.1063)
G	2.70 – 2.75 (0.1063 – 0.1083)
H	2.75 – 2.80 (0.1083 – 0.1102)

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


D27057

62. INSTALL INPUT SHAFT ASSY

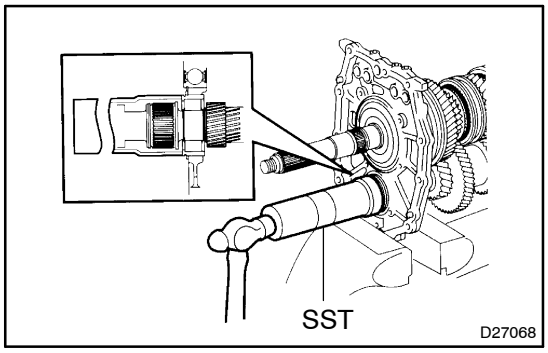
(a) Install the input shaft assy to the output shaft.



63. INSTALL COUNTER GEAR ASSY

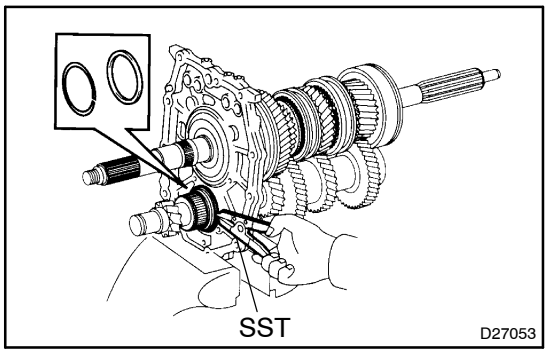
(a) Install the counter shaft center bearing to counter gear.

(b) Install the counter gear to intermediate plate.



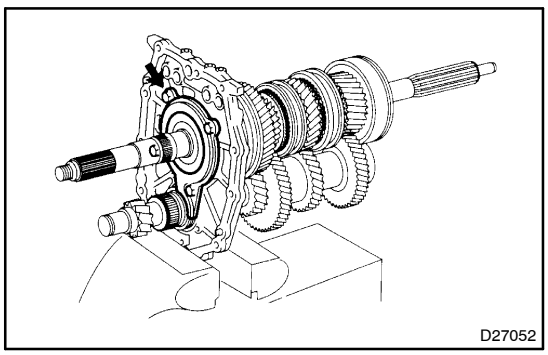
64. INSTALL COUNTER GEAR CENTER BEARING OUTER RACE

(a) Using a hammer and SST, tap in a new center bearing outer race.
SST 09316–60011 (09316–00011)



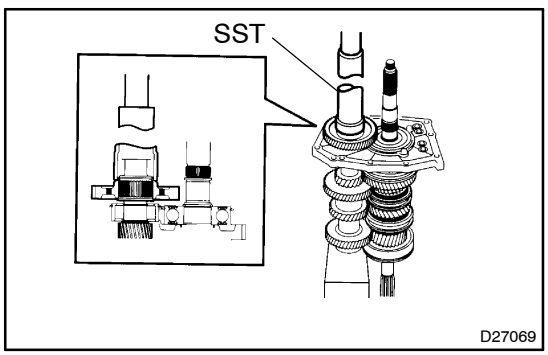
(b) Install the spacer.

(c) Using snap ring pliers (expander), install the snap ring.



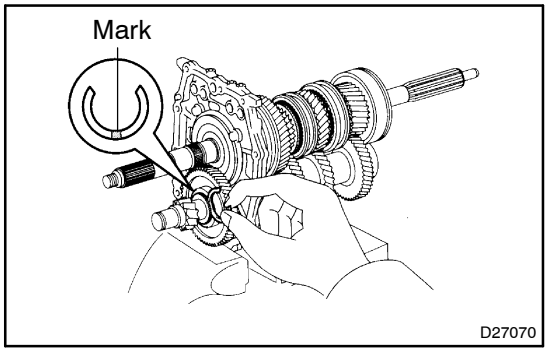
65. INSTALL BEARING RETAINER CTR

(a) Install the bearing retainer with the 4 bolts.
Torque: 18 N·m (185 kgf·cm, 13 ft·lbf)



66. INSTALL COUNTER GEAR 6TH

(a) Using a press and SST, press in the counter gear 6th.
SST 09316–26010

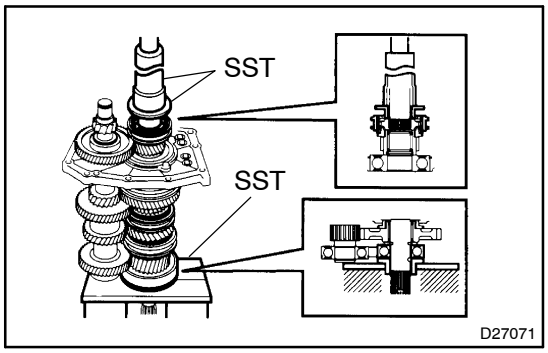


67. INSTALL COUNTER GEAR FRONT BEARING SNAP RING NO.2

(a) Select a snap ring that allows the minimum axial play.

Mark	Thickness mm (in.)
A	2.30 – 2.35 (0.0906 – 0.0925)
B	2.35 – 2.40 (0.0925 – 0.0945)
C	2.40 – 2.45 (0.0945 – 0.0965)
D	2.45 – 2.50 (0.0965 – 0.0984)
E	2.50 – 2.55 (0.0984 – 0.1004)
F	2.55 – 2.60 (0.1004 – 0.1024)
G	2.60 – 2.65 (0.1024 – 0.1043)

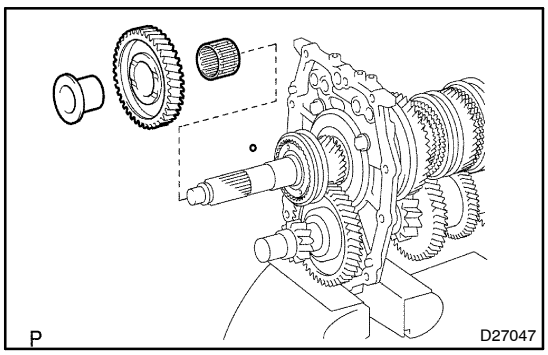
(b) Using a screwdriver and a hammer, tap in the snap ring.



68. INSTALL 6TH GEAR SUB–ASSY

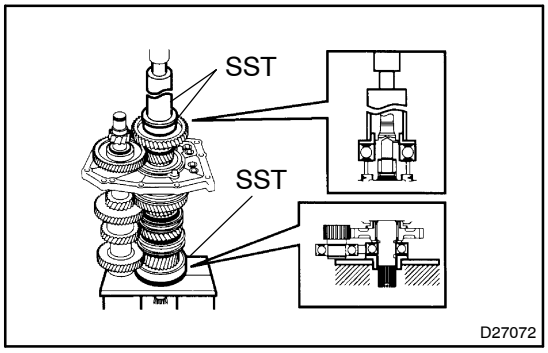
(a) Using a press and SST, press in the clutch hub No. 4.
SST 09316–20011, 09316–60011 (09316–00041), 09527–10011

(b) Install the synchronizer ring No. 2, 6th gear and needle roller bearing.



69. INSTALL REVERSE GEAR

(a) Install the ball, needle roller bearing, reverse gear and bearing inner race.



70. INSTALL OUTPUT SHAFT REAR BEARING

(a) using a press and SST, press in the rear bearing.
SST 09316–20011, 09316–60011 (09316–00011, 09316–00041) 09527–10011

71. INSTALL GEAR SHIFT FORK SHAFT NO.2

(a) Install the shift fork shaft No. 2 and shift fork No. 2.

(b) Using a screwdriver, install the inter lock roller No. 1.

72. INSTALL GEAR SHIFT FORK SHAFT NO.1

(a) Install the shift fork shaft No. 1 and shift fork No. 1.

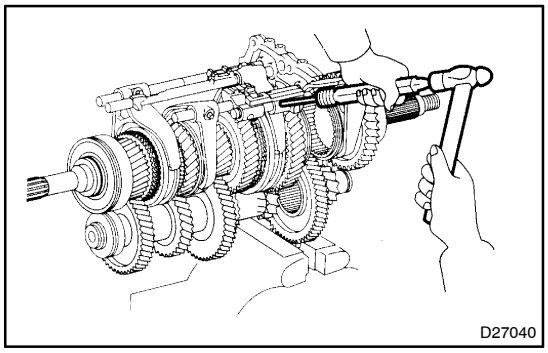
(b) Using a screwdriver, install the inter lock roller No. 1 and No. 2.

73. INSTALL GEAR SHIFT FORK SHAFT NO.3

(a) Install the shift fork shaft No. 3, shift fork No. 3 and shift head No. 1.

(b) Using a screwdriver, install the inter lock roller No. 1 and 2 balls.

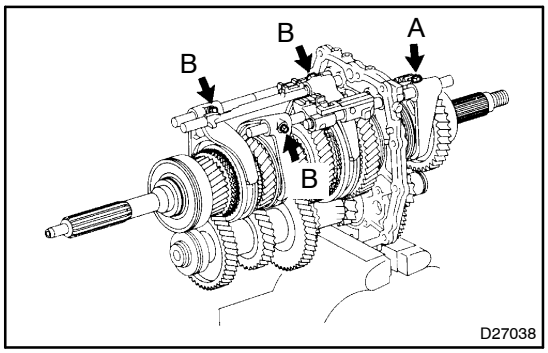
74. INSTALL GEAR SHIFT FORK SHAFT NO.4



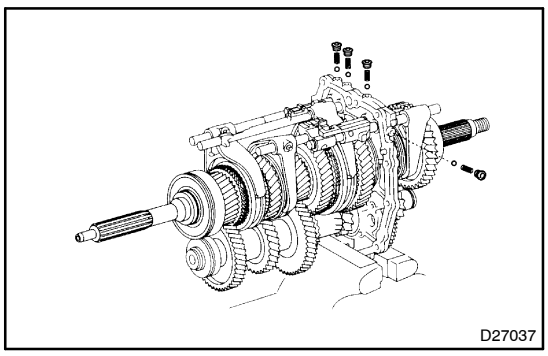
(a) Install the shift fork shaft No. 4, shift fork No. 4 and reverse shift head.

(b) Using a pin punch and a hammer, tap in the slotted pin.

(c) Using a hammer, tap the 3 snap rings.



(d) Install the 4 shift fork bolts.
Torque:
Bolt A: 34 N·m (350 kgf·cm, 25 ft·lbf)
Bolt B: 36 N·m (370 kgf·cm, 27 ft·lbf)



75. INSTALL SHIFT INTER LOCK BALL

(a) Install the 4 balls

76. INSTALL SHIFT DETENT BALL LOW SIDE COMPRESSION SPRING

(a) Install the 4 spring.

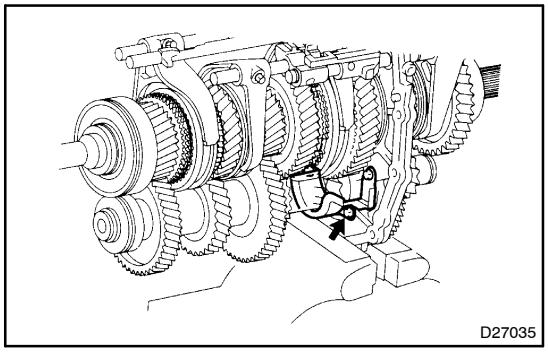
77. INSTALL INTER LOCK HOLE PLUG

(a) Using a torx wrench (T40), install the 4 plugs.
Torque: 19 N·m (190 kgf·cm, 14 ft·lbf)

78. INSPECT REVERSE GEAR AND 6TH GEAR THRUST CLEARANCE (See step 42)

79. INSPECT REVERSE GEAR AND 6TH GEAR RADIAL CLEARANCE (See step 43)

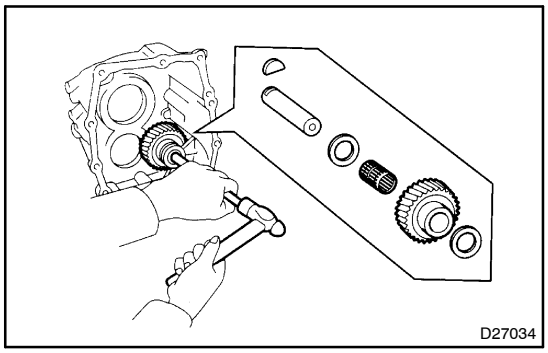
80. INSTALL TRANSMISSION MAGNET



81. INSTALL MANUAL TRANSMISSION CASE RECEIVER

(a) Install the case receiver with the 3 bolts.
Torque: 18 N·m (185 kgf·cm, 13 ft·lbf)

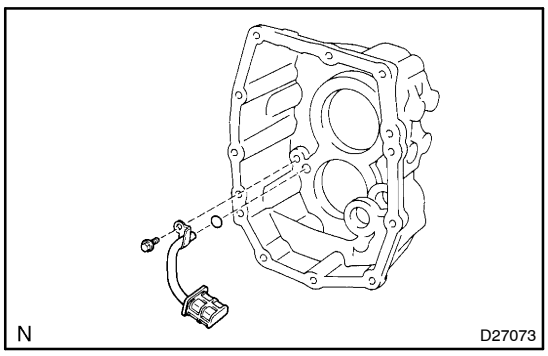
82. INSTALL INTERMEDIATE PLATE



83. INSTALL REVERSE IDLER GEAR

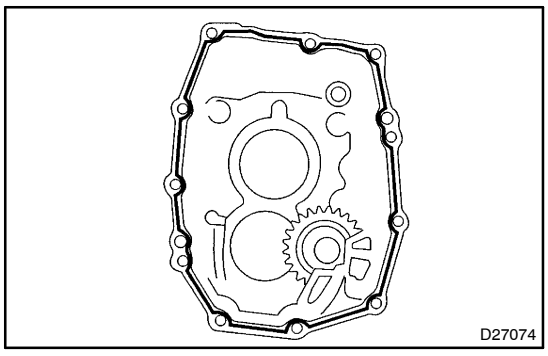
(a) Install the reverse idler gear, 2 thrust washers and the needle roller bearing.
(b) Using a brass bar and a hammer, tap in the reverse idler gear shaft.
(c) Install the key to the reverse idler gear shaft.

84. INSPECT REVERSE IDLER GEAR THRUST CLEARANCE (See step 30)



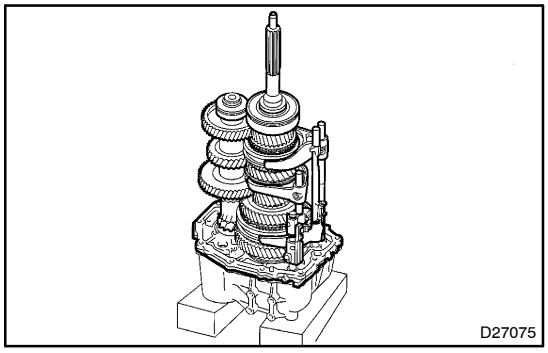
85. INSTALL REAR CASE MANUAL TRANSMISSION OIL STRAINER SUB–ASSY

(a) Install a new O–ring to the oil strainer.
(b) Install the oil strainer with the bolt.
Torque: 12 N·m (120 kgf·cm, 9 ft·lbf)



86. INSTALL TRANSMISSION CASE RR

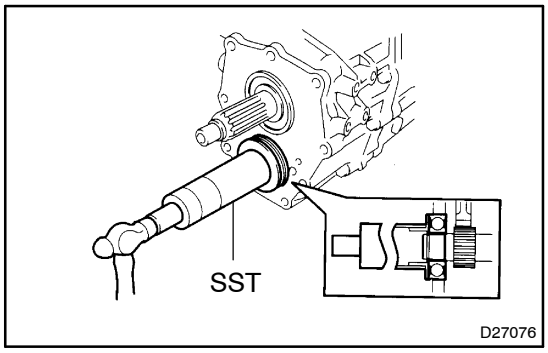
(a) Apply FIPG (Seal packing) to the transmission case.
FIPG:
Part No. 08826–00090, THREE BOND 1281 or equivalent



(b) Fix the transmission case through a wooden block.
(c) Using a plastic hammer, lightly tap the intermediate plate to press–fit the plate with the case.

NOTICE:
Install the intermediate plate straight so as not to put excessive force onto the bearing.

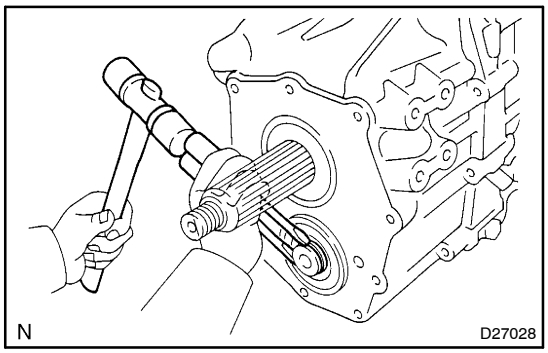
(d) Lay down the transmission.



87. INSTALL COUNTER SHAFT REAR BEARING

(a) Using SST, tap in the bearing.
SST 09316–60011 (09316–00011, 09316–00041)

HINT:
Fit a press to the inner race of the bearing.

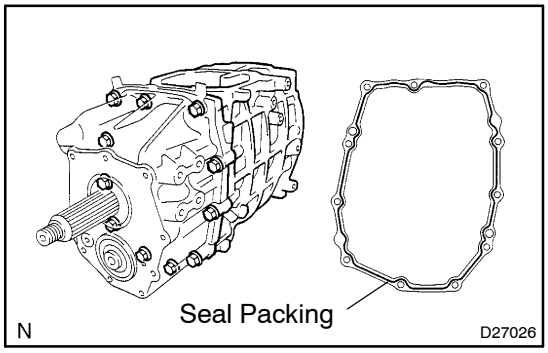


88. INSTALL SNAP RING COUNTER GEAR REAR BEARING

(a) Select a snap ring by making the thrust clearance of the bearing by 0 to 0.1mm (0.004 in.).

Mark	Thickness mm (in.)
A	2.40 – 2.45 (0.0945 – 0.0965)
B	2.45 – 2.50 (0.0965 – 0.0984)
C	2.50 – 2.55 (0.0984 – 0.1004)
D	2.55 – 2.60 (0.1004 – 0.1024)
E	2.60 – 2.65 (0.1024 – 0.1043)
F	2.65 – 2.70 (0.1043 – 0.1063)
G	2.70 – 2.75 (0.1063 – 0.1083)

(b) Using 2 screwdrivers and a hammer, tap the snap ring.

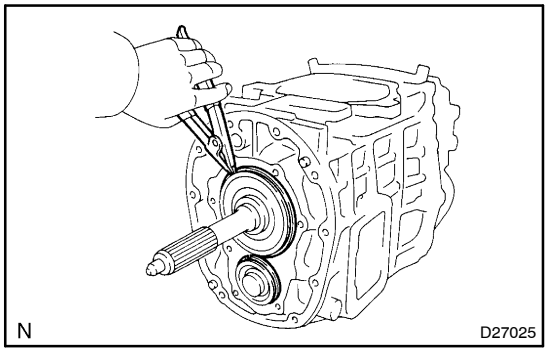


89. INSTALL MANUAL TRANSMISSION CASE

(a) Apply adhesive to the 11 bolts.
Adhesive:
Part No. 08833–00080, THREE BOND 1344, LOCTITE 242 or equivalent

(b) Apply FIPG (Seal packing) to the transmission case.
FIPG:
Part No. 08826–00090, THREE BOND 1281 or equivalent

(c) Install the transmission case.
(d) Install the 2 clamps and 11 bolts.
Torque: 37 N·m (380 kgf·cm, 27 ft·lbf)

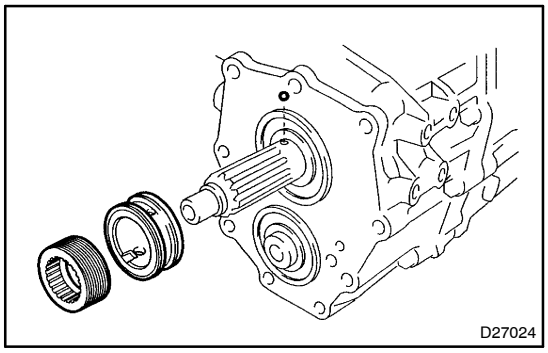


90. INSTALL FRONT BEARING SHAFT SNAP RING

(a) Using snap ring pliers (expander), install the snap ring.

91. INSTALL COUNTER GEAR FRONT BEARING SNAP RING NO.1

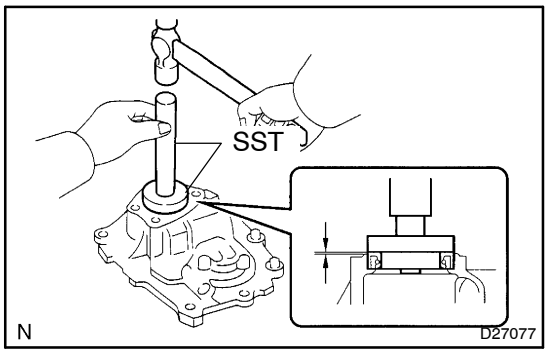
(a) Using snap ring pliers (expander), install the snap ring.



92. INSTALL SPEEDOMETER DRIVE GEAR (MTM) KEY OR BALL

93. INSTALL SPEEDOMETER DRIVE GEAR SPACER

94. INSTALL SPEEDOMETER DRIVE (MTM) GEAR



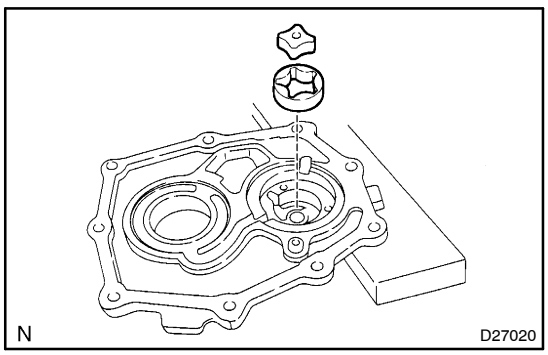
95. INSTALL TYPE T OIL SEAL

(a) Using SST and a hammer, tap in a new oil seal.

SST 09950–60010 (09951–00430, 09951–00620, 09952–06010) 09950–70010 (09951–07150)

Standard protrusion: 0 – 0.5 mm (0 – 0.0197 in.)

(b) Apply MP grease to the oil seal lip.

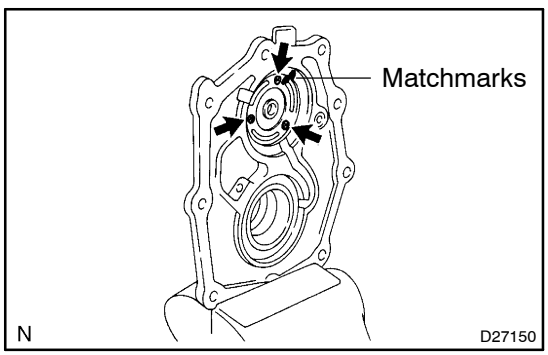


96. INSTALL OIL PUMP ASSY

(a) Install the drive and driven rotors.

(1) Apply gear oil to the rear bearing retainer, the drive and driven rotors.

(2) Install the drive and driven rotors.



(b) Install the oil pump cover.

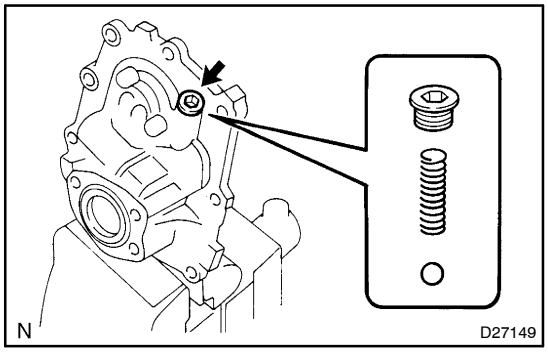
(1) Align the matchmarks, and install the oil pump cover.

(2) Fix the rear bearing retainer on to a vise through the aluminum plate.

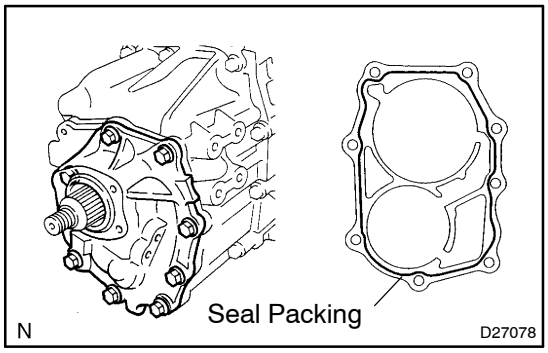
(3) Using a torx socket wrench (T30), install the 3 bolts.

Torque: 3.9 N·m (40 kgf·cm, 35 in.·lbf)

(4) Install the oil pump drive shaft.

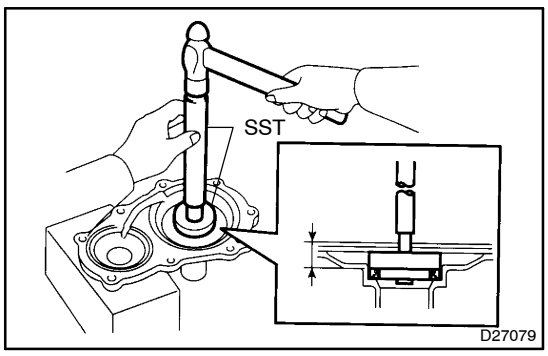


(c) Install the ball, compression spring and plug.
(1) Insert the ball and spring into the rear bearing retainer.
(2) Using a torx socket wrench (T40), install the plug.
Torque: 19 N·m (190 kgf·cm, 14 ft·lbf)
(3) Rotate the oil pump drive shaft lightly, and check that the drive rotor turns smoothly.



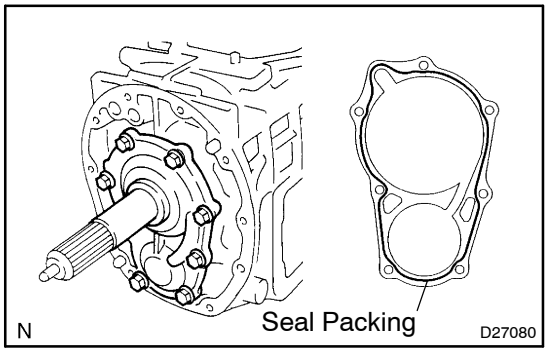
97. INSTALL OUTPUT SHAFT REAR BEARING (MTM) RETAINER

(a) Apply adhesive to the 9 bolts.
Adhesive:
Part No. 08833–00080, THREE BOND 1344, LOCTITE 242 or equivalent
(b) Apply FIPG (Seal packing) to the rear bearing retainer.
FIPG:
Part No. 08826–00090, THREE BOND 1281 or equivalent
(c) Install the 9 bolts.
Torque: 37 N·m (380 kgf·cm, 27 ft·lbf)



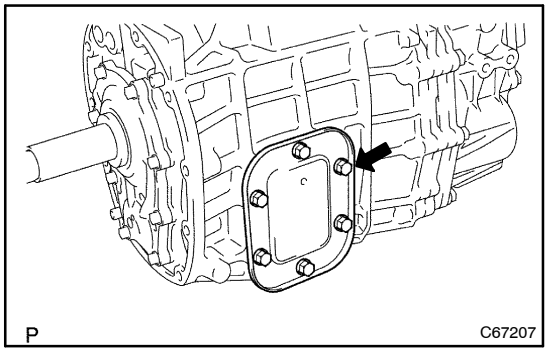
98. INSTALL TRANSMISSION FRONT BEARING RETAINER OIL SEAL

(a) Using SST and a hammer, tap in a new oil seal.
SST 09950–60010 (09951–00330, 09951–00480, 09952–06010), 09950–70010 (09951–07150)



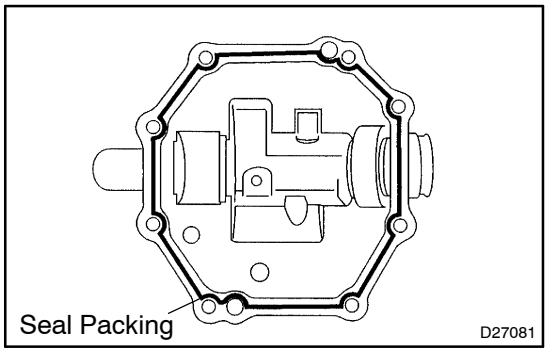
99. INSTALL BEARING RETAINER FRONT (MTM)

(a) Apply adhesive to the 8 bolts.
Adhesive:
Part No. 08833–00080, THREE BOND 1344, LOCTITE 242 or equivalent
(b) Apply FIPG (Seal packing) to the bearing retainer.
FIPG:
Part No. 08826–00090, THREE BOND 1281 or equivalent
(c) Install the 8 bolts.
Torque: 17 N·m (170 kgf·cm, 12 ft·lbf)



100. INSTALL MANUAL TRANSMISSION POWER TAKE–OFF COVER

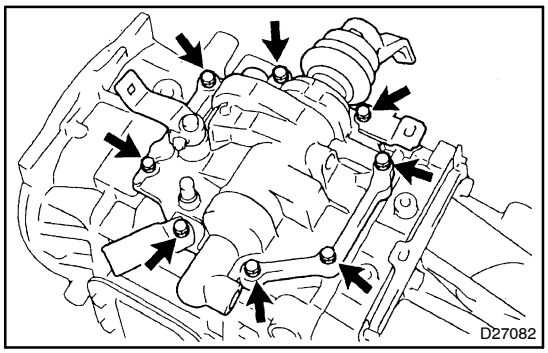
(a) Install the new gasket, cover and 6 bolts.
Torque: 14 N·m (145 kgf·cm, 10 ft·lbf)



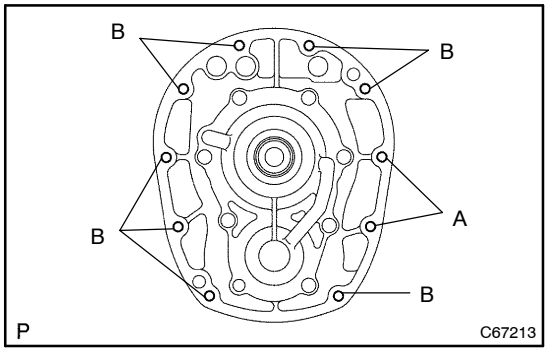
101. INSTALL SHIFT LEVER SHAFT HOUSING ASSY

(a) Apply adhesive to the 8 bolts.
Adhesive:
Part No. 08833–00080, THREE BOND 1344, LOCTITE 242 or equivalent

(b) Apply FIPG (Seal packing) to the shift lever shaft housing assy.
FIPG:
Part No. 08826–00090, THREE BOND 1281 or equivalent

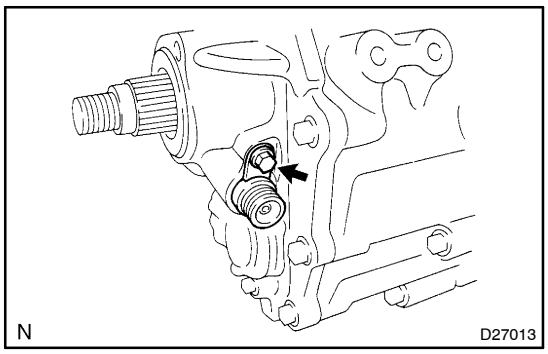


(c) Install the 8 bolts and 2 clamps.
Torque: 17 N·m (170 kgf·cm, 12 ft·lbf)



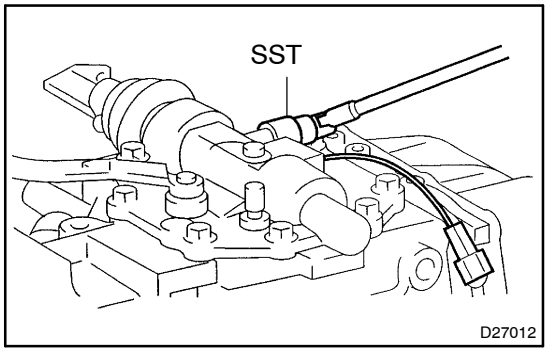
102. INSTALL CLUTCH HOUSING

(a) Install the 10 bolts.
Bolt A: 35 mm (1.38 in.) x 2
Bolt B: 45 mm (1.77 in.) x 8
Torque: 37 N·m (380 kgf·cm, 27 ft·lbf)



103. INSTALL SPEEDOMETER DRIVEN (MTM) GEAR SUB–ASSY

(a) Apply gear oil to a new O–ring.
(b) Install the O–ring to the driven gear sub–assy.
(c) Install the driven gear sub–assy with the lock plate and bolt.
Torque: 11 N·m (115 kgf·cm, 8 ft·lbf)



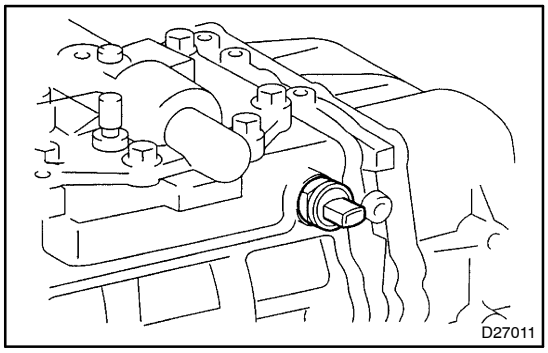
104. INSTALL EXHAUST BRAKE NEUTRAL SWITCH ASSY

(a) Install a new gasket to the neutral switch.

(b) Using SST, install the neutral switch.

SST 09817–16011

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



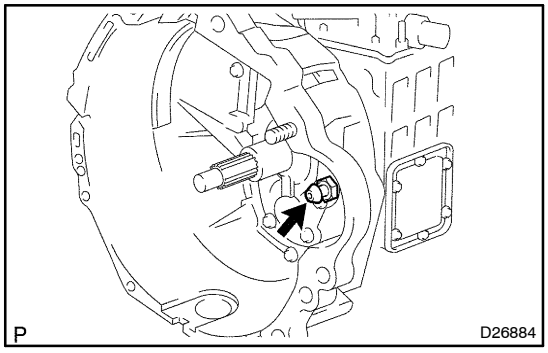
105. INSTALL BACK UP LAMP SWITCH ASSY

(a) Install a new gasket to the back up lamp switch.

(b) Install the back up lamp switch.

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

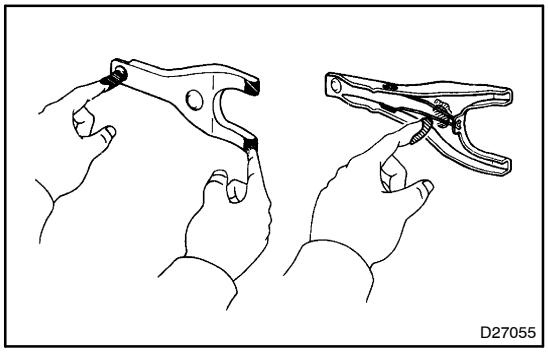
106. INSTALL CLUTCH RELEASE FORK BOOT



107. INSTALL RELEASE FORK SUPPORT

(a) Using a socket wrench (19 mm), install the release fork support.

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

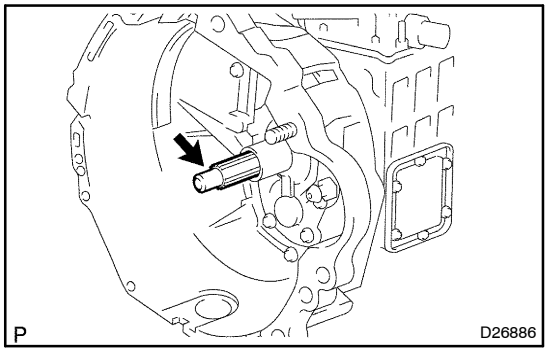


108. INSTALL CLUTCH RELEASE FORK SUB–ASSY

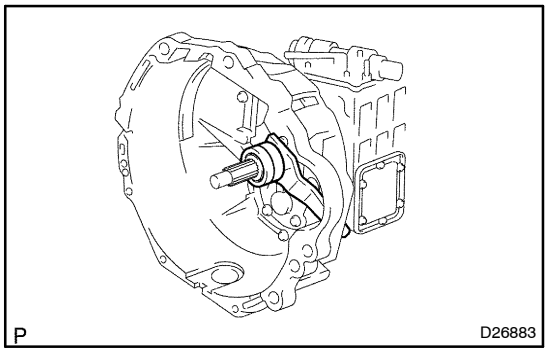
(a) Apply release hub grease to the release fork and hub contact, release fork and push rod contact and release fork pivot points.

Grease:

Part No. 08887–01806, RELEASE HUB GREASE or equivalent

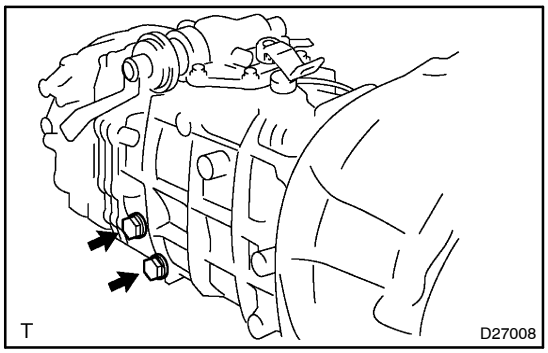


(b) Apply clutch spline grease to the input shaft spline.
Grease:
Part No. 08887–01706, CLUTCH SPLINE GREASE or equivalent



109. INSTALL CLUTCH RELEASE BEARING ASSY

(a) Install the bearing to the release fork, and then install them to the transmission.



110. INSTALL FILLER PLUG

(a) Install a new gasket and the filler plug.
Torque: 37 N·m (380 kgf·cm, 27 ft·lbf)

111. INSTALL DRAIN PLUG

(a) Install a new gasket and the drain plug.
Torque: 37 N·m (380 kgf·cm, 27 ft·lbf)