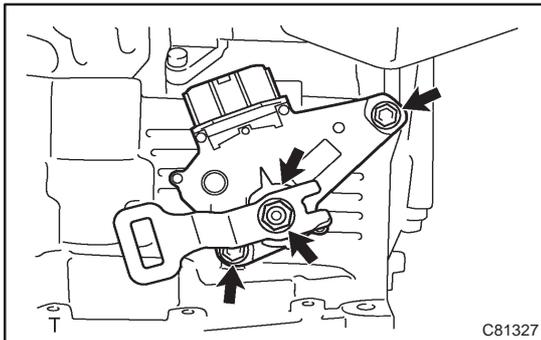


AUTOMATIC TRANSAXLE ASSY (U34#E Series)

4002G-01

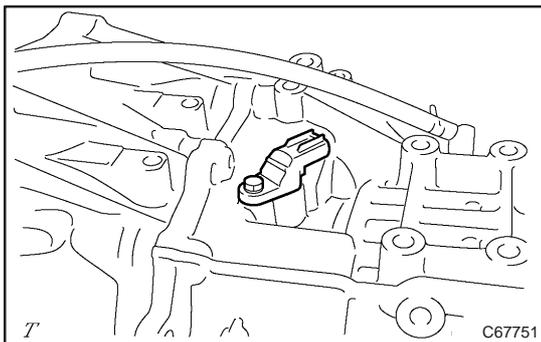
OVERHAUL

1. REMOVE SPEEDOMETER (ATM) SENSOR
[83181E / 3505]
2. REMOVE SPEEDOMETER DRIVEN (ATM) GEAR SUB-ASSY
[33403G / 3505]



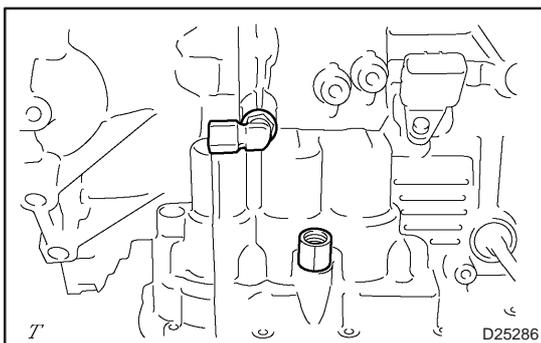
3. REMOVE NEUTRAL START SWITCH ASSY [84540G / 3513]

- (a) Remove the nut, washer and control lever.
- (b) Using a screwdriver, unstake the lock nut and remove the lock washer and lock nut.
- (c) Remove the 2 bolts and pull out the neutral position switch.



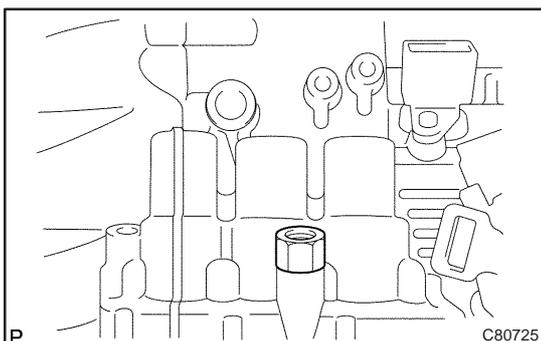
4. REMOVE TRANSMISSION REVOLUTION SENSOR [89413E / 3512]

- (a) Remove the bolt and transaxle revolution sensor.



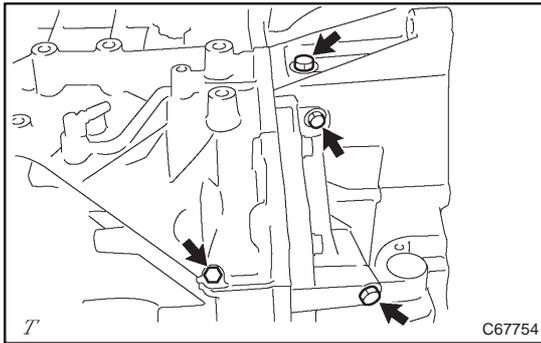
5. REMOVE OIL COOLER TUBE UNION(OUTLET OIL COOLER UNION) [32921C / 3514]

- (a) Remove the oil cooler tube union.
- (b) Remove the O-ring from the oil cooler tube union.



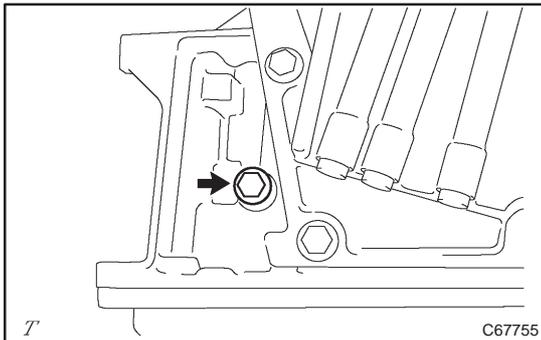
6. REMOVE OIL COOLER TUBE UNION(INLET OIL COOLER UNION) [32921C / 3514]

- (a) Remove the oil cooler tube union.
- (b) Remove the O-ring from the oil cooler tube union.



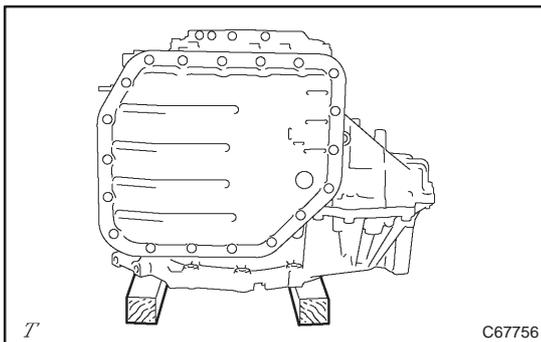
**7. REMOVE TRANSAXLE CASE NO.1 PLUG
[35104Q / 3503]**

- (a) Remove the 4 transaxle case No.1 plugs from the transaxle housing and transaxle case.

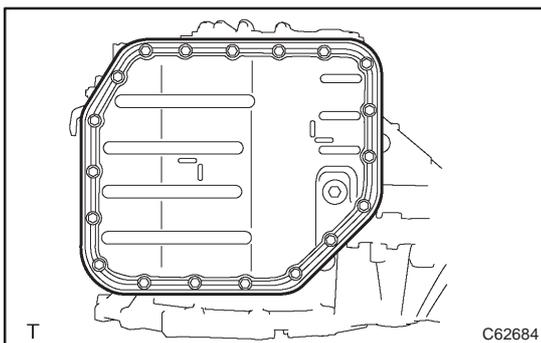


- (b) Remove the transaxle case No.1 plug from the transaxle case.

- (c) Remove the 5 O-rings from the transaxle cases.



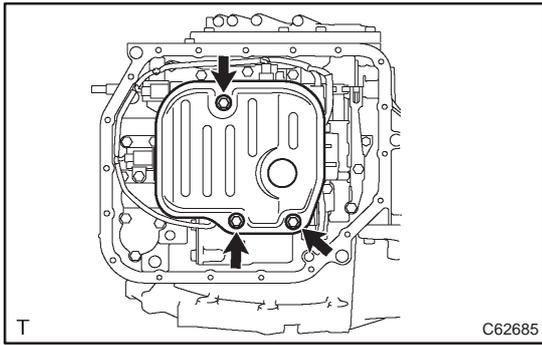
**8. FIX AUTOMATIC TRANSAXLE ASSY
[30500 / 3501]**



**9. REMOVE AUTOMATIC TRANSAXLE OIL PAN
SUB-ASSY
[35106D / 3503]**

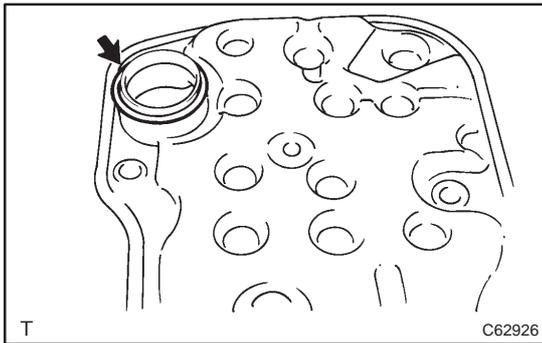
- (a) Remove the drain plug and gasket from the oil pan.
(b) Remove the 19 bolts.
(c) Remove the oil pan and gasket.

**10. REMOVE AUTOMATIC TRANSAXLE OIL PAN GASKET
[35168A / 3503]**

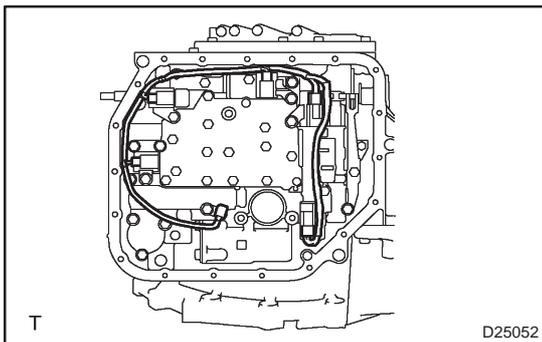


11. REMOVE VALVE BODY OIL STRAINER ASSY [35330 / 3512]

(a) Remove the 3 bolts and oil strainer assy.



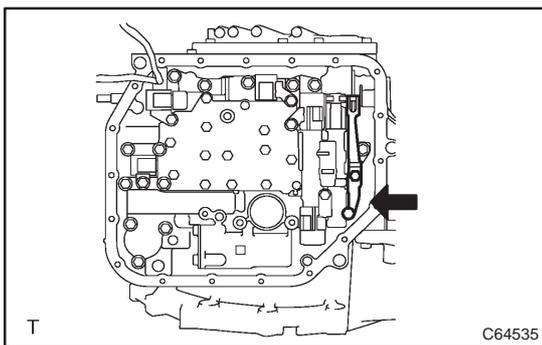
(b) Remove the O-ring from the oil stainer.



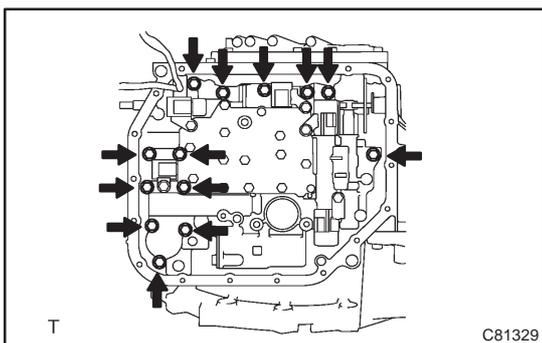
12. REMOVE TRANSMISSION VALVE BODY ASSY [35410 / 3512]

(a) Disconnect the 5 solenoid connectors.

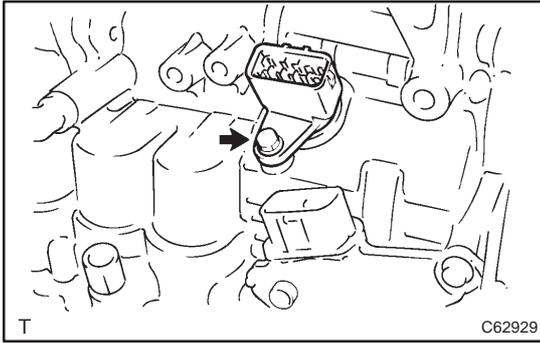
(b) Remove the bolt, lock plate and ATF temperature sensor.



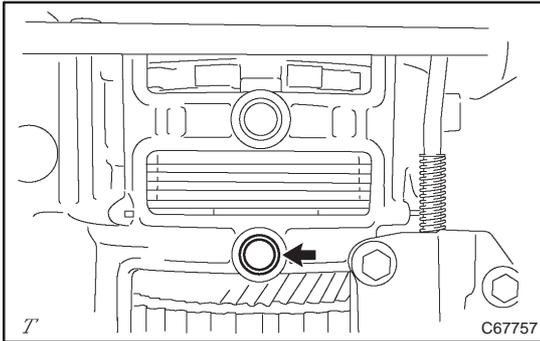
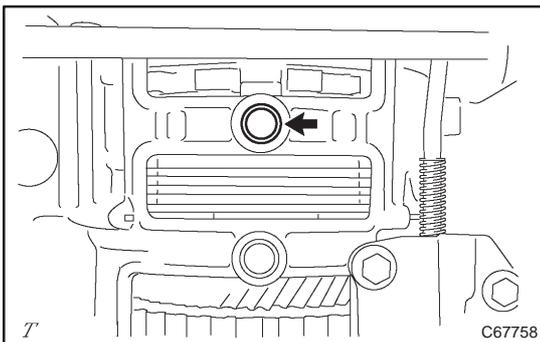
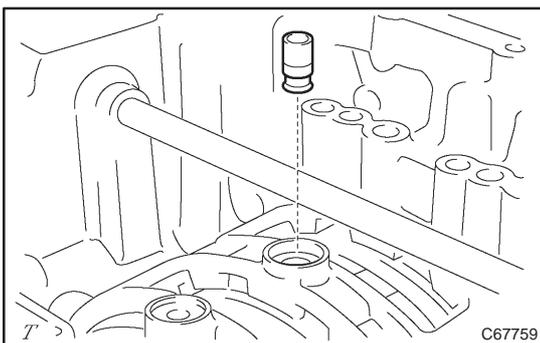
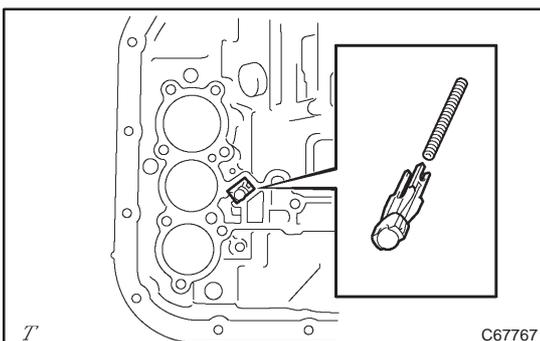
(c) Remove the 2 bolts, detente spring cover and detente spring.

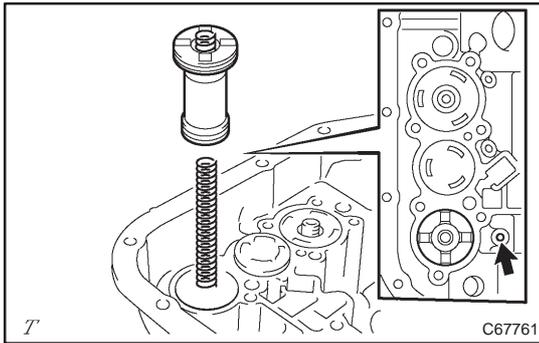


(d) Remove 13 bolts and valve body assy.

**13. REMOVE TRANSMISSION WIRE****[82125J / 3512]**

- (a) Remove the bolt.
- (b) Remove the transmission wire from the transaxle case.

**14. REMOVE TRANSAXLE CASE 2ND BRAKE GASKET****[35149B / 3503]****15. REMOVE TRANSAXLE CASE GASKET****[35145C / 3503]****16. REMOVE BRAKE DRUM GASKET****[35159 / 3503]****17. REMOVE CHECK BALL BODY****[35251 / 3512]**

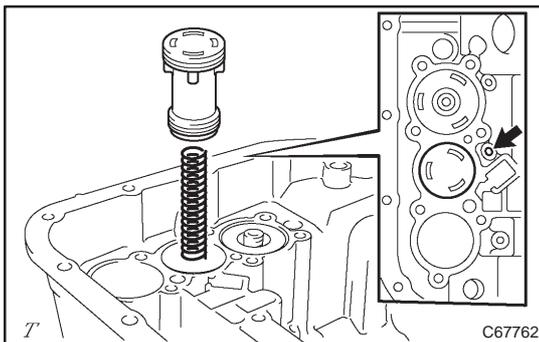
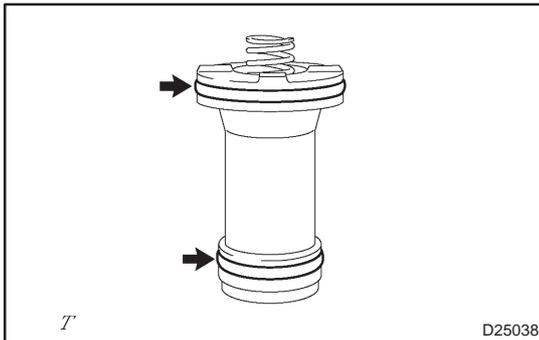


18. REMOVE B-2 ACCUMULATOR PISTON [35423 / 3512]

- (a) Apply compressed air (392 kPa, 4.0 kgf-cm², 57 psi) to the oil hole and remove the B₂ accumulator piston and spring. Remove the spring.

NOTICE:

- Blowing off the air may cause the piston's jump-out. When removing the piston, holding it with your hand using a waste cloth.
 - Take care not to splash ATF when air-blowing.
- (b) Remove the 2 O-rings from the B₂ accumulator piston.

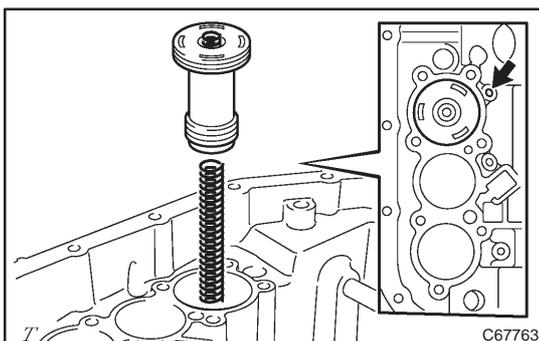
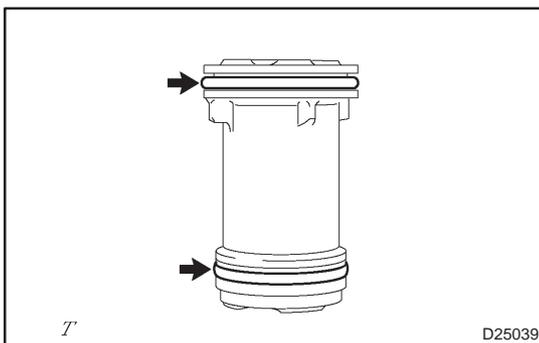


19. REMOVE C-3 ACCUMULATOR PISTON [35426D / 3512]

- (a) Apply compressed air (392 kPa, 4.0 kgf-cm², 57 psi) to the oil hole and remove the C₃ accumulator piston and spring. Remove the spring.

NOTICE:

- Blowing off the air may cause the piston's jump-out. When removing the piston, holding it with your hand using a waste cloth.
 - Take care not to splash ATF when air-blowing.
- (b) Remove the 2 O-rings from the C₃ accumulator piston.

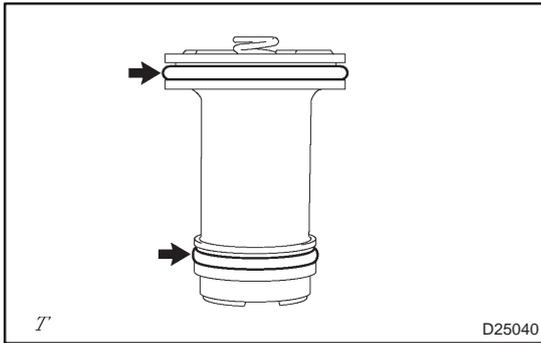


20. REMOVE C-2 ACCUMULATOR PISTON [35425A / 3512]

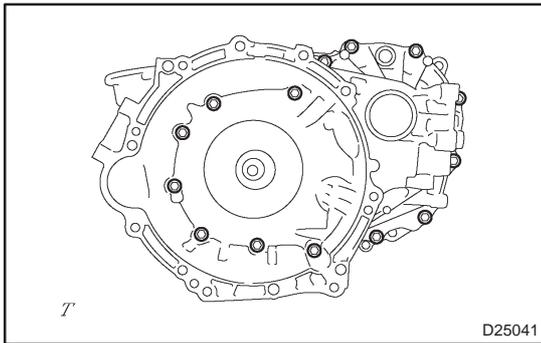
- (a) Apply compressed air (392 kPa, 4.0 kgf-cm², 57 psi) to the oil hole and remove the C₂ accumulator piston and spring. Remove the spring.

NOTICE:

- Blowing off the air may cause the piston's jump-out. When removing the piston, holding it with your hand using a waste cloth.
- Take care not to splash ATF when air-blowing.



- (b) Remove the 2 O-rings from the C₂ accumulator piston.

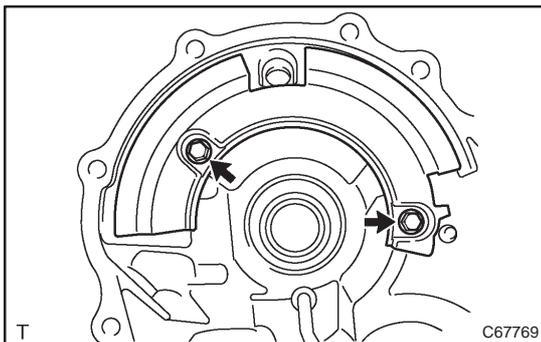


**21. REMOVE TRANSAXLE HOUSING
[35111C / 4301]**

- (a) Remove the 14 bolts.
(b) Tap on the circumference of the transaxle housing with a plastic hammer to remove the transaxle housing from the transaxle case.

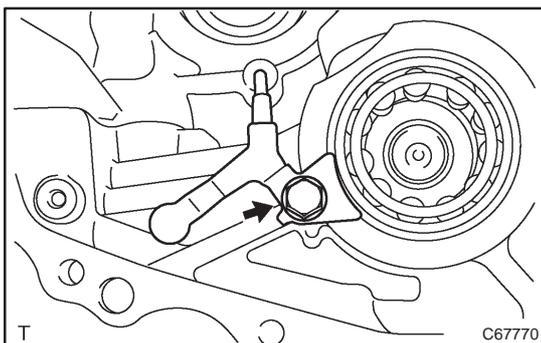
NOTICE:

Differential gear assembly may be accidentally removed when the transaxle housing is removed.



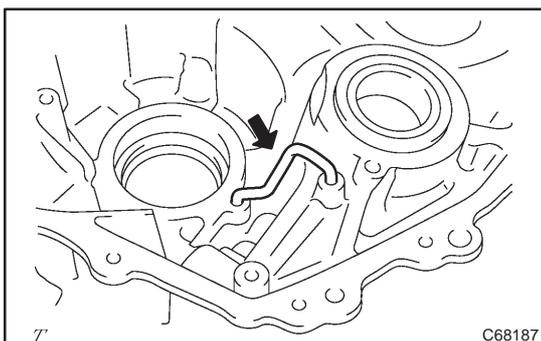
**22. REMOVE TRANSAXLE HOUSING OIL SEPARATOR
[35174 / 4301]**

- (a) Remove the 2 bolts and transaxle housing oil separator from the transaxle housing.



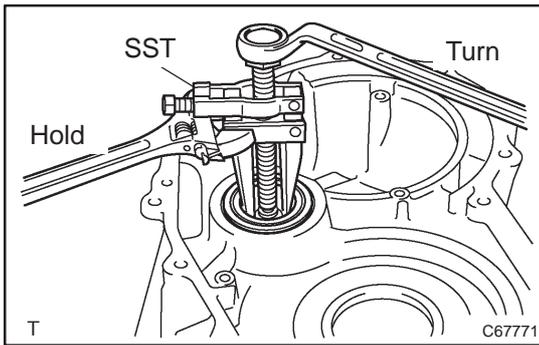
**23. REMOVE BEARING LOCK PLATE
[33326E / 3510]**

- (a) Remove the bolt.
(b) Remove the bearing lock plate.



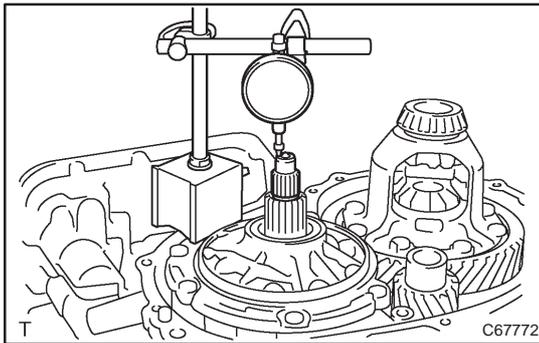
**24. REMOVE DIFFERENTIAL GEAR LUBE APPLY TUBE
[35882D / 3510]**

- (a) Remove the bolt and differential gear lube apply tube from the transaxle housing.



25. REMOVE FRONT DRIVE PINION FRONT TAPERED ROLLER BEARING
[41211A / 4301]

- (a) Using SST, remove the RH cylindrical roller bearing from the transaxle housing.
SST 09308-10010

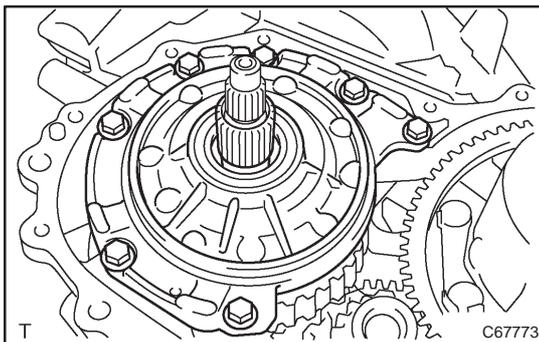


26. INSPECT INPUT SHAFT ENDPLAY

- (a) Measure the end play in axial direction.

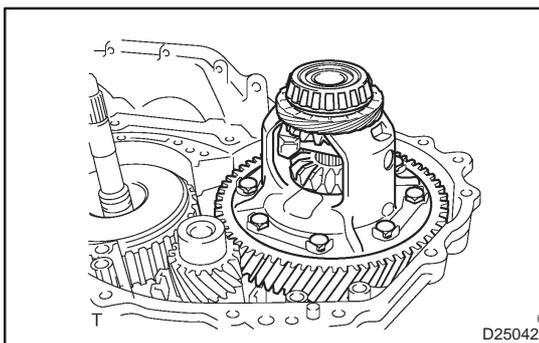
End play: 0.37 – 1.29 mm (0.0146 – 0.0508 in.)

If the end play is not as specified, select and replace the thrust needle roller bearing.



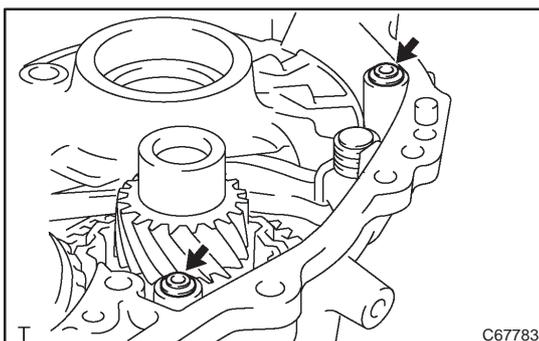
27. REMOVE OIL PUMP ASSEMBLY

- (a) Remove the 7 bolts and oil pump assy.



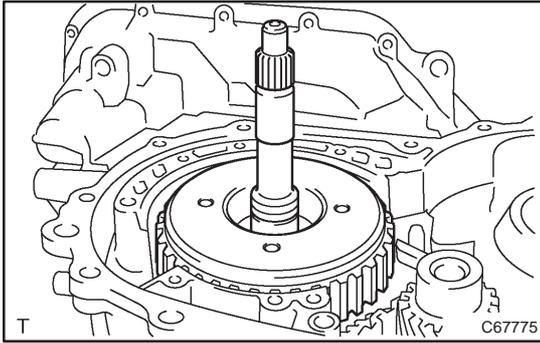
28. REMOVE DIFFERENTIAL GEAR ASSEMBLY

- (a) Remove the differential gear assy.

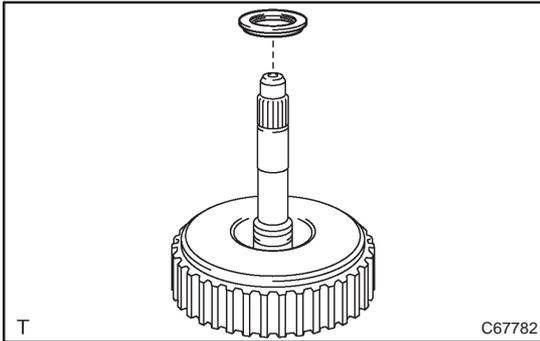


29. REMOVE OVERDRIVE BRAKE GASKET
[35179 / 3503]

- (a) Using a screwdriver, remove the 2 O/D brake gaskets from the transaxle case.

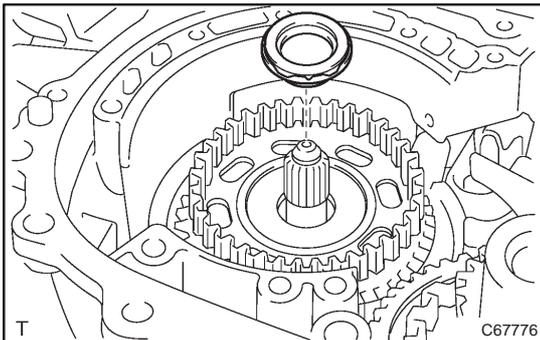
**30. REMOVE INPUT SHAFT ASSY**

- (a) Remove the input shaft assy from the transaxle case.

**31. REMOVE STATOR SHAFT THRUST NEEDLE ROLLER BEARING**

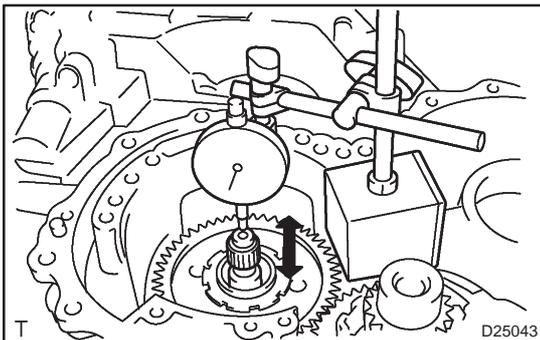
[35370A / 3502]

- (a) Remove the thrust needle roller bearing from the input shaft.

**32. REMOVE FORWARD CLUTCH HUB THRUST NEEDLE ROLLER BEARING**

[35061C / 3507]

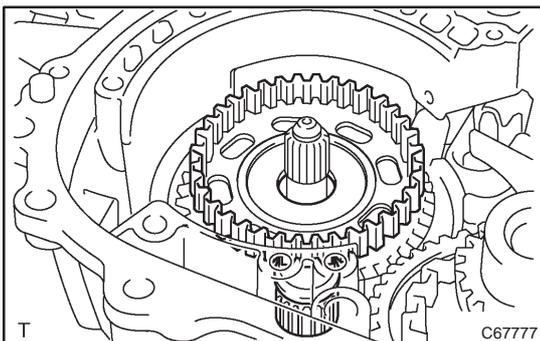
- (a) Remove the thrust needle roller bearing from the forward clutch hub.

**33. INSPECT INTERMEDIATE SHAFT ASSY**

- (a) Using a dial indicator, measure the runout of intermediate shaft.

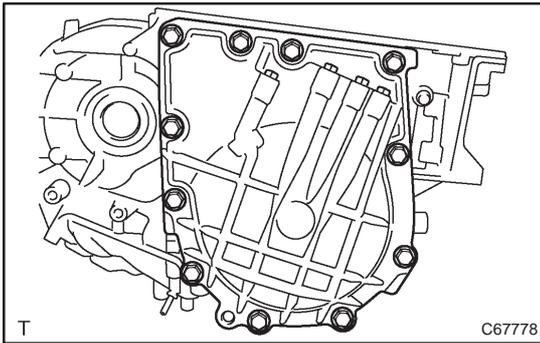
Standard clearance:

0.204 – 0.966 mm (0.008 – 0.038 in.)

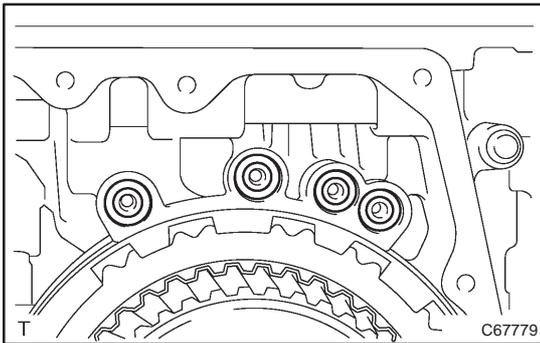
**34. REMOVE FORWARD CLUTCH HUB SUB-ASSY**

[35061 / 3507]

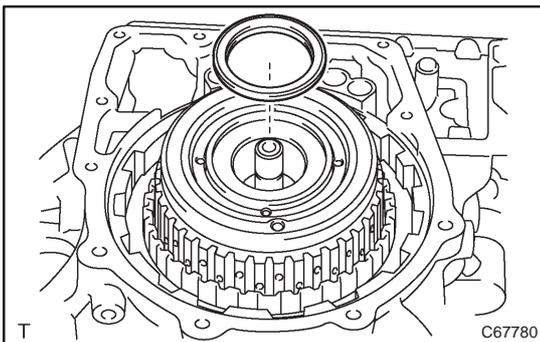
- (a) Remove the forward clutch hub from the transaxle case.

**35. REMOVE TRANSAXLE REAR COVER ASSY**

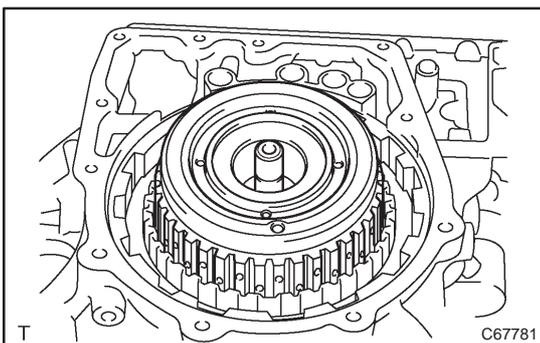
- (a) Remove the 11 bolts.
- (b) Tap on the circumference of the transaxle rear cover with a plastic hammer to remove the transaxle rear cover from the transaxle case.

**36. REMOVE TRANSAXLE CASE GASKET [35145C / 3503]**

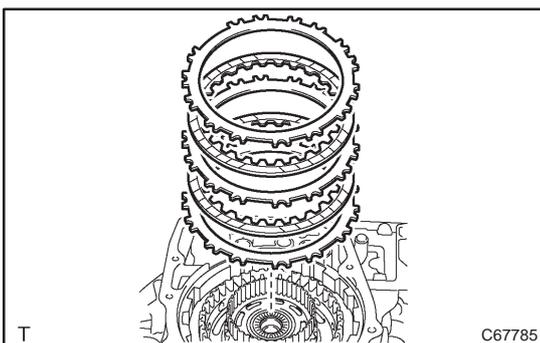
- (a) Remove the 4 transaxle case gaskets.

**37. REMOVE REAR CLUTCH DRUM THRUST NEEDLE ROLLER BEARING [35651B / 3507]**

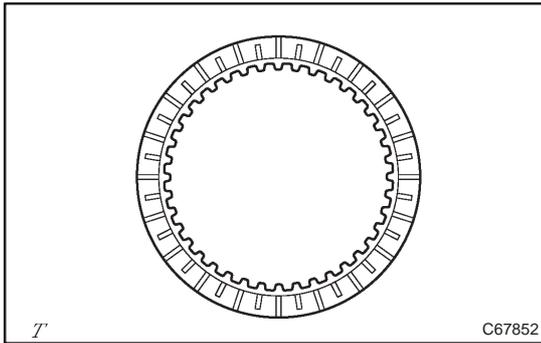
- (a) Using a magnetic hand, remove the thrust needle roller bearing.

**38. REMOVE INTERMEDIATE SHAFT ASSY**

- (a) Remove the intermediate shaft assy from the transaxle case.

**39. REMOVE 2ND COAST & OVERDRIVE BRAKE DISC [34633 / 3509]**

- (a) Remove the flange, 2 discs and 2 flanges No.2 from the transaxle.

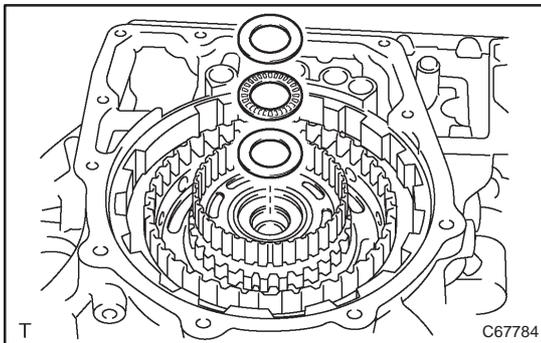


40. INSPECT 2ND COAST & OVERDRIVE BRAKE DISC [34633 / 3509]

- (a) Check to see if the sliding surface of the disc, plate and flange are worn or burnt.
If necessary, replace them.

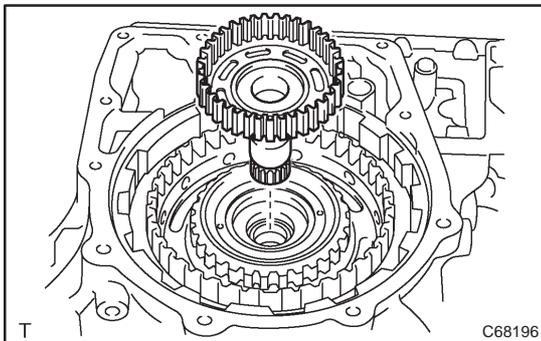
HINT:

- If the lining of the disc is peeling off or discolored, or even if a part of the printed number is defaced, replace all discs.
- Before assembling new discs, soak them in ATF for at least 15 minutes.



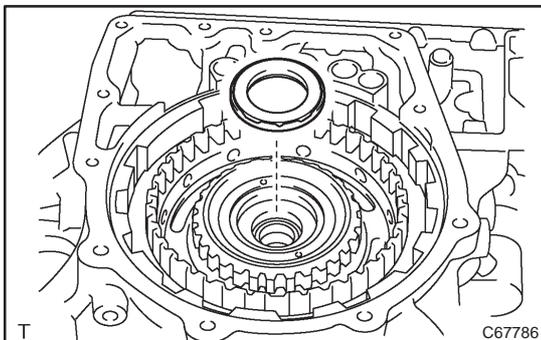
41. REMOVE THRUST NEEDLE ROLLER BEARING [35605B / 3507]

- (a) Using a magnetic finger, remove the C₂ hub thrust bearing race, thrust needle roller bearing and thrust bearing race from the direct clutch hub.



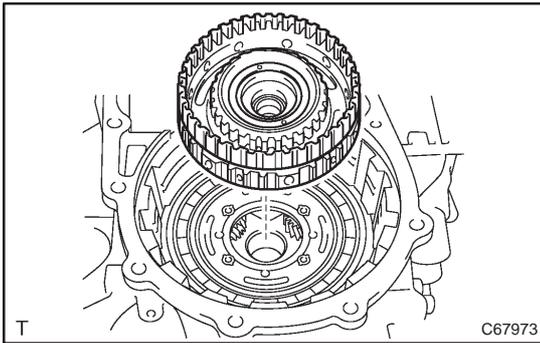
42. REMOVE DIRECT CLUTCH HUB [35654B / 3507]

- (a) Remove the direct clutch hub from the transaxle case.



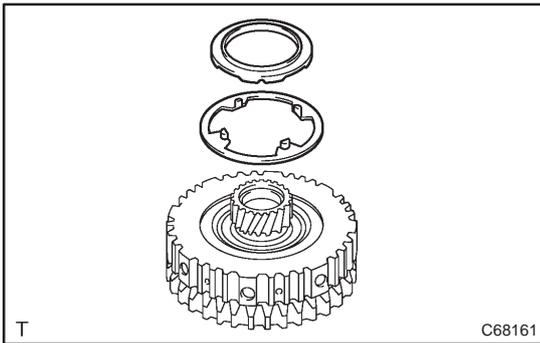
43. REMOVE REAR PLANETARY SUN GEAR, NO.2 THRUST NEEDLE BEARING [35730C / 3510]

- (a) Using a magnet finger, remove the thrust bearing from the rear thrust needle bearing.



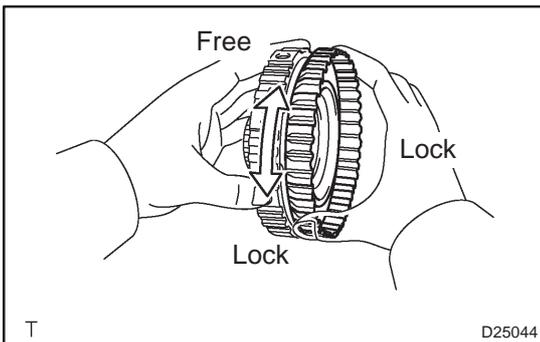
44. REMOVE REAR PLANETARY SUN GEAR ASSY [35730 / 3510]

- (a) Remove rear planetary sun gear from the transaxle case.



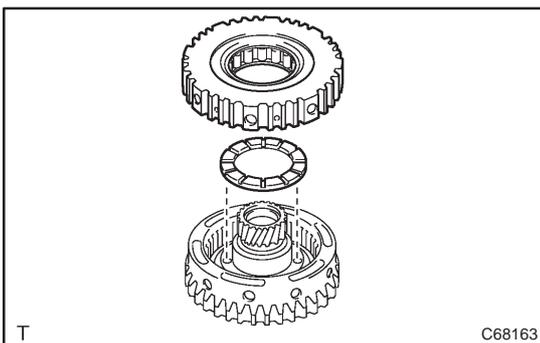
45. REMOVE REAR PLANERARY SUN GEAR THRUST NEEDLE ROLLER BEARING [35730B / 3510]

- (a) Remove rear planetary sun gear thrust needle roller bearing and thrust washer No.1 from the rear planetary sun gear.



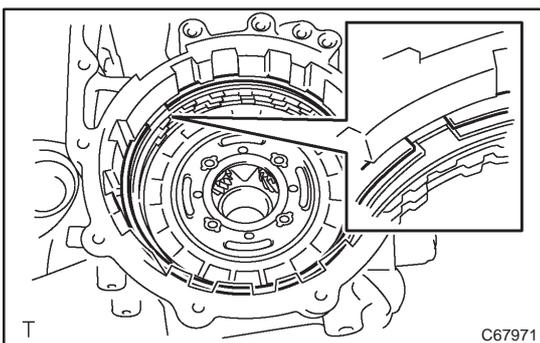
46. INSPECT 1 WAY CLUTCH ASSY [35790A / 3510]

- (a) Hold the rear planetary sun gear and turn the 1 way clutch. The 1 way clutch should turn freely clockwise and should lock counterclockwise.



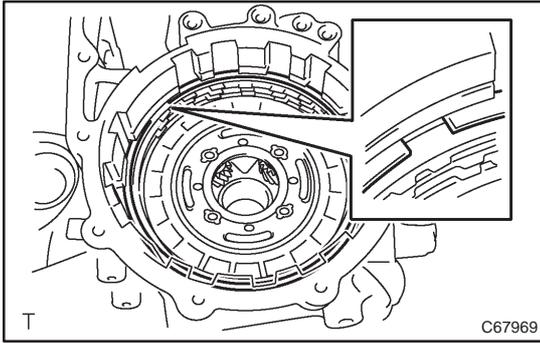
47. REMOVE 1 WAY CLUTCH ASSY [35790A / 3510]

- (a) Remove the 1 way clutch assy and planetary carrier thrust washer No.2 from the rear planetary sun gear.



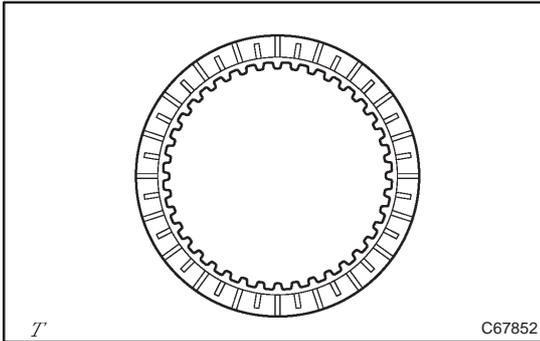
48. REMOVE 2ND COAST & OVERDRIVE BRAKE FLANGE HOLE SNAP RING [34625E / 3509]

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



**49. REMOVE 2ND BRAKE BRAKE DISC
[35682 / 3509]**

- (a) Using a screwdriver, remove the snap ring.
- (b) Remove the flange, 3 discs and 3 plates from the transaxle.

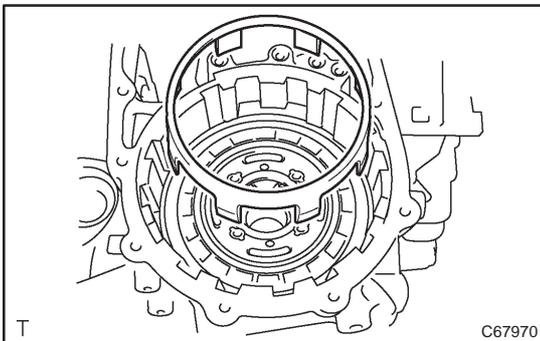


**50. INSPECT 2ND BRAKE BRAKE DISC
[35682 / 3509]**

- (a) Check to see if the sliding surface of the disc, plate and flange are worn or burnt. If necessary, replace them.

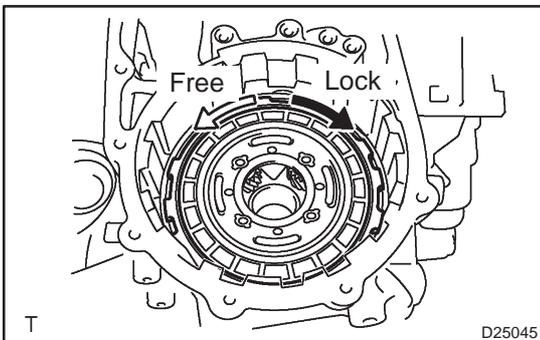
HINT:

- If the lining of the disc is peeling off or discolored or even if a part of the printed mark is defaced, replace all discs.
- Before assembling new discs, soak them in ATF for at least 15 minutes.



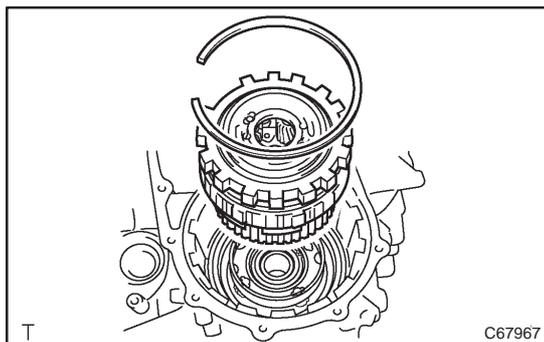
**51. REMOVE 2ND BRAKE PISTON SLEEVE
[35626D / 3509]**

- (a) Remove the 2nd brake piston sleeve from the transaxle case.



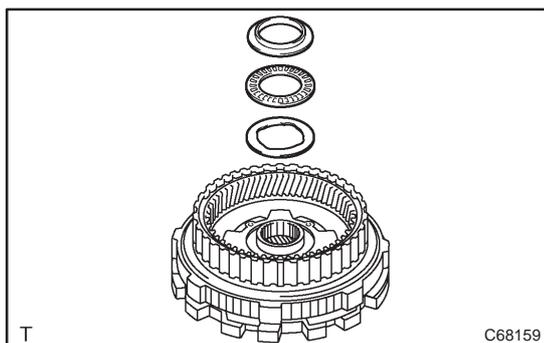
**52. INSPECT 1 WAY CLUTCH NO.2
[35792C / 3509]**

- (a) Install the 1 way clutch and thrust washer to the rear planetary sun gear.
- (b) Hold the rear planetary sun gear and turn the 1 way clutch. The 1 way clutch should turn freely clockwise and should lock counterclockwise.



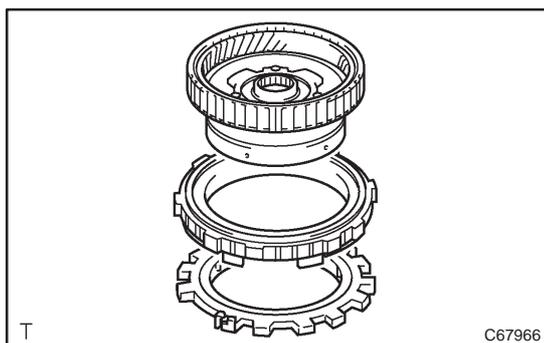
**53. REMOVE REAR PLANETARY GEAR ASSY
[35760 / 3510]**

- (a) Using a screwdriver, remove the snap ring.
- (b) Remove the rear planetary gear assy from the transaxle case.



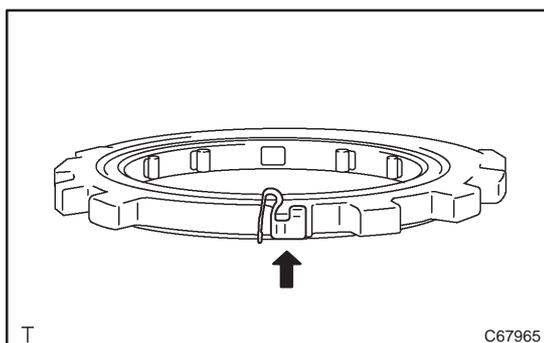
**54. REMOVE PLANETARY GEAR REAR THRUST
NEEDLE ROLLER BEARING
[35720K / 3510]**

- (a) Remove the thrust needle roller bearing and 2 bearing races from the rear planetary gear assy.



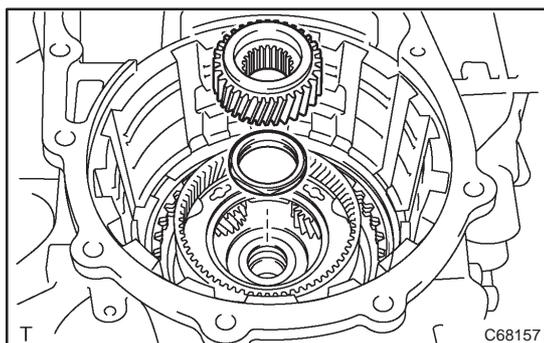
**55. REMOVE 1 WAY CLUTCH NO.2
[35792C / 3509]**

- (a) Separate the 2nd brake cylinder, 1 way clutch No.2 and rear planetary gear.



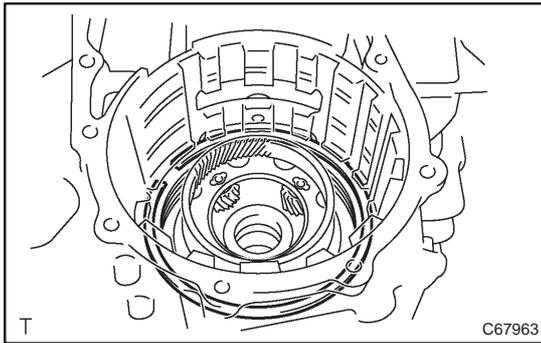
**56. REMOVE OUTER RACE RETAINER
[34365A / 3503]**

- (a) Remove the retainer from the 1 way clutch No.2.



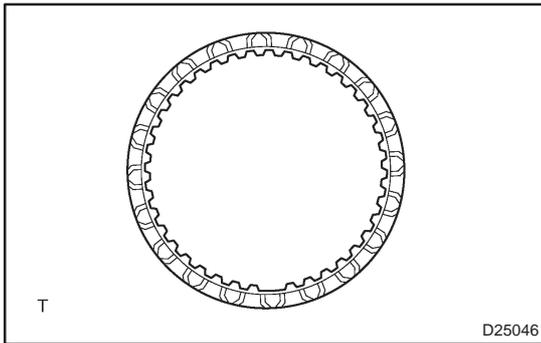
**57. REMOVE FR PLANETARY SUN GEAR
[35714D / 3510]**

- (a) Remove the front planetary sun gear and thrust needle roller bearing from the transaxle case.



**58. REMOVE 1ST & REVERSE BRAKE DISC
[35683 / 3509]**

- (a) Using a screwdriver, remove the snap ring.
- (b) Remove the flange, 4 discs and 4 plates from the trans-axle case.



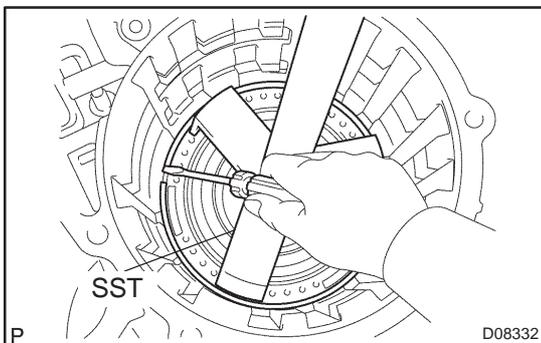
**59. INSPECT 1ST & REVERSE BRAKE DISC
[35683 / 3509]**

- (a) Check to see if the sliding surface of the disc, plate and flange are worn or burnt.

If necessary, replace them.

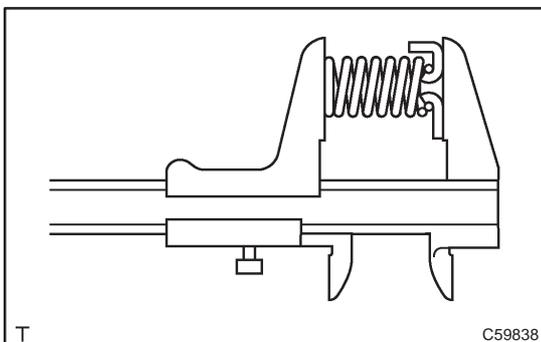
HINT:

- If the lining of the disc is peeling off or discolored, or even if a part of the printed mark is defaced, replace all discs.
- Before assembling new discs, soak in ATF for at least 15 minutes.



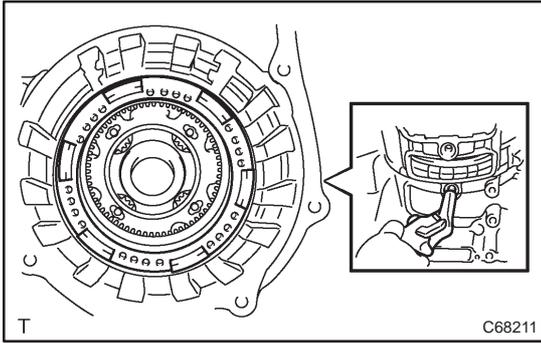
**60. REMOVE 1ST & REVERSE BRAKE RETURN SPRING
SUB-ASSY
[35068 / 3509]**

- (a) Using SST, a press and a screwdriver, remove the snap ring.
SST 09387-00070
- (b) Remove the 1st & reverse brake return spring sub-assy.



**61. INSPECT 1ST & REVERSE BRAKE RETURN SPRING
SUB-ASSY
[35068 / 3509]**

- (a) Using a vernier calipers, measure the free length of the spring together with the spring seat.
Standard free length: 13.96 mm (0.5496 in.)

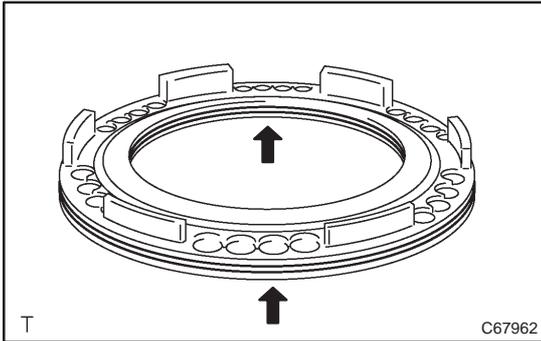


62. REMOVE 1ST & REVERSE BRAKE PISTON NO.2 [35623P / 3509]

- (a) Apply compressed air (392 kPa, 4.0 kgf/cm², 57 psi) to the transaxle case to remove the 1st & reverse brake piston.

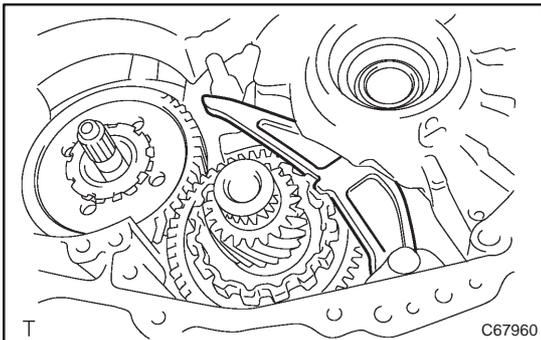
NOTICE:

- Blowing off the air may cause the piston's jump-out. When removing the piston, hold it with your hand using a waste cloth.
- Take care not to splash ATF when air-blowing.



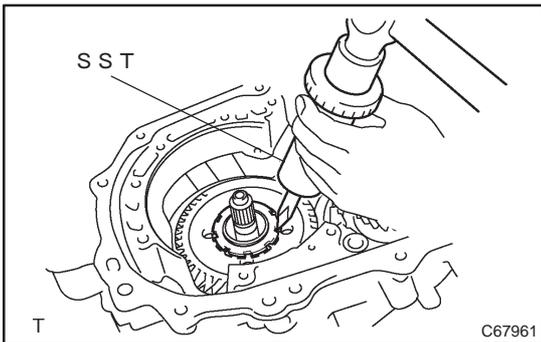
63. REMOVE 1ST & REVERSE BRAKE PISTON NO.2 O-RING [35623Q / 3509]

- (a) Remove the 2 O-rings from the 1st & reverse brake piston No.2.

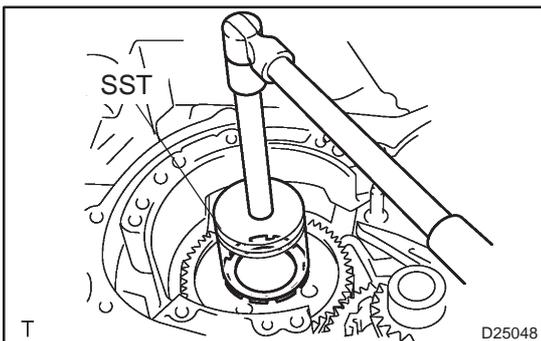


64. REMOVE COUNTER DRIVE GEAR NUT [35782H / 3510]

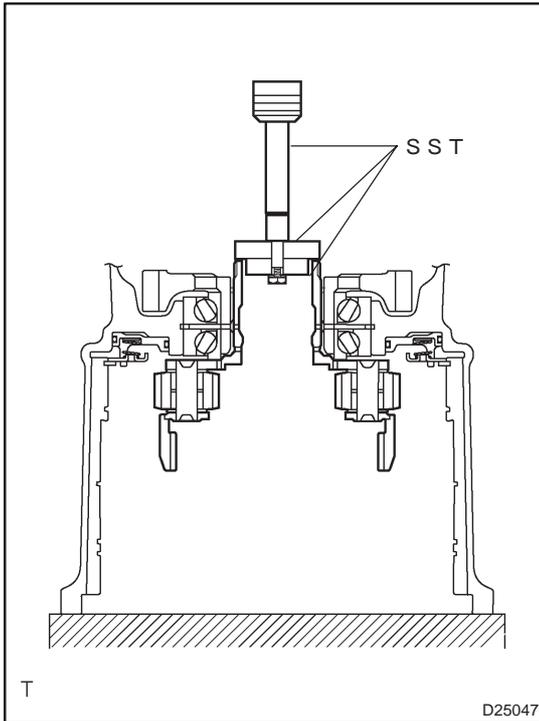
- (a) Fix the counter driven gear with the parking lock pawl.



- (b) Using SST and a hammer, unstack the lock washer.
SST 09930-00010



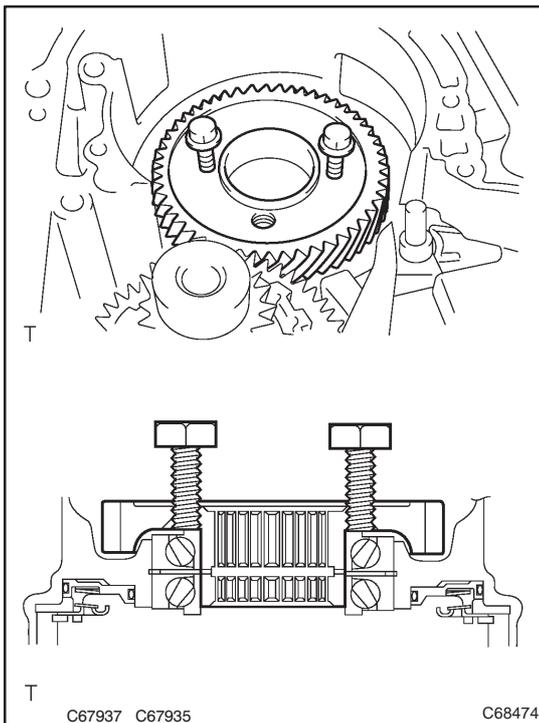
- (c) Using SST, remove the nut and lock washer.
SST 09387-00120



65. REMOVE PLANETARY GEAR ASSY [35720G / 3510]

- (a) Using SST and a press, remove the planetary gear assy from the transaxle case.

SST 09950-60010 (09951-00400, 09951-00320, 09952-06010), 09950-70010 (09951-07100)



66. REMOVE COUNTER DRIVE GEAR [35782C / 3510]

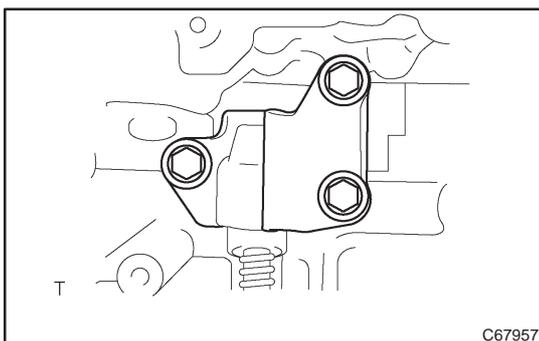
- (a) Install the 2 bolts to the counter drive gear.

Bolt (M6):

L=40 - 80 mm

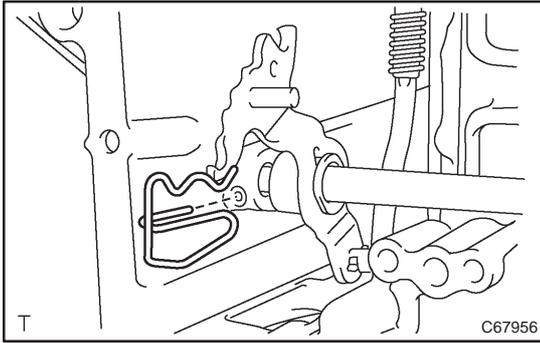
Pitch = 1.0 mm

- (b) Rotate 2 bolts in order and remove the counter drive gear and front planetary sun gear.
(c) Remove 2 radial ball bearings from the counter drive gear and front planetary sun gear.



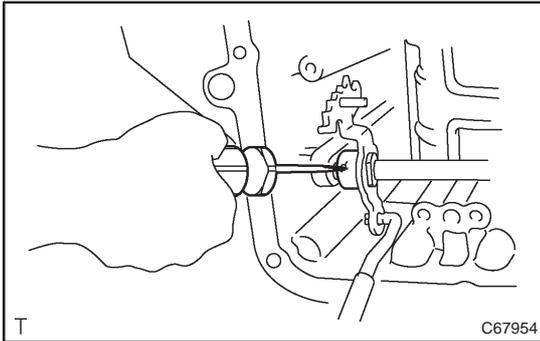
67. REMOVE PARKING LOCK PAWL BRACKET [35595 / 3513]

- (a) Remove the 3 bolts, cam guide and bracket.



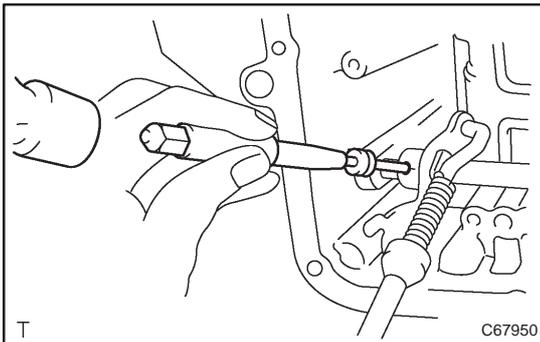
68. REMOVE MANUAL VALVE LEVER SHAFT RETAINER SPRING
[35506J / 3513]

- (a) Remove the retainer spring.

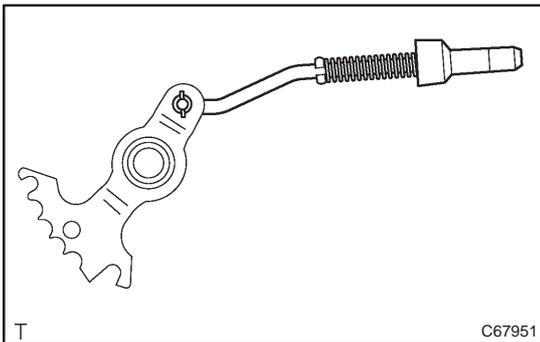


69. REMOVE MANUAL VALVE LEVER SUB-ASSY
[35505 / 3513]

- (a) Using a screwdriver, unstage and remove the spacer.

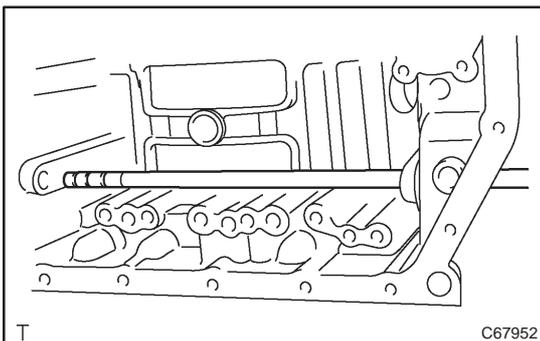


- (b) Using a pin punch and hammer, drive out the pin.
 (c) Remove the manual valve lever shaft and manual valve lever.



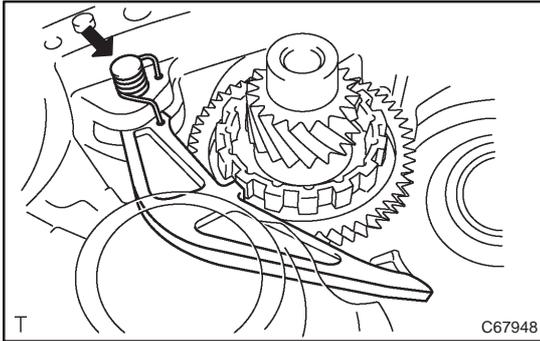
70. REMOVE PARKING LOCK ROD SUB-ASSY
[35501 / 3513]

- (a) Remove the parking lock rod from the manual valve lever.



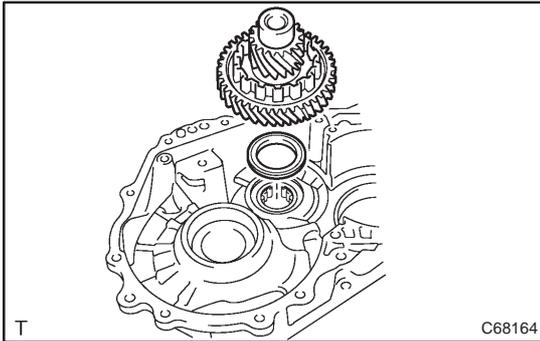
71. REMOVE MANUAL VALVE LEVER SHAFT
[35561 / 3513]

- (a) Remove the manual valve lever shaft from the transaxle case.



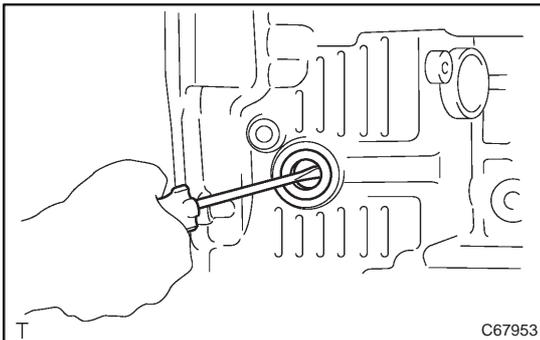
**72. REMOVE PARKING LOCK PAWL
[35557 / 3513]**

- (a) Using a screwdriver, remove the parking lock pawl shaft.
- (b) Remove the torsion spring and parking lock pawl.



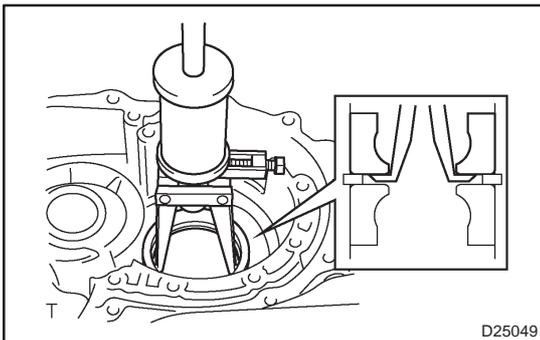
**73. REMOVE COUNTER DRIVEN GEAR
[35783R / 4301]**

- (a) Remove the counter driven gear, drive pinion and thrust needle roller bearing from the transaxle case.



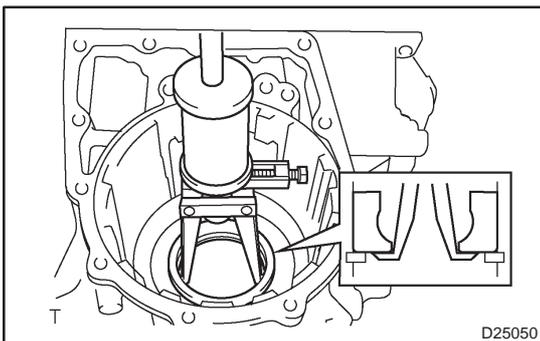
**74. REMOVE MANUAL VALVE LEVER SHAFT OIL SEAL
[35506F / 3513]**

- (a) Using a screwdriver, remove the oil seal.

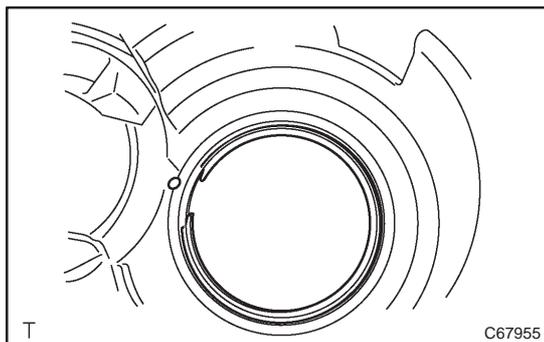


**75. REMOVE COUNTER DRIVE GEAR BEARING
[35782E / 3510]**

- (a) Remove the 2 counter drive gear bearing inner races RH the transaxle case.
- (b) Using SST, remove the counter drive gear bearing LH outer race from the transaxle case
SST 09308-00010

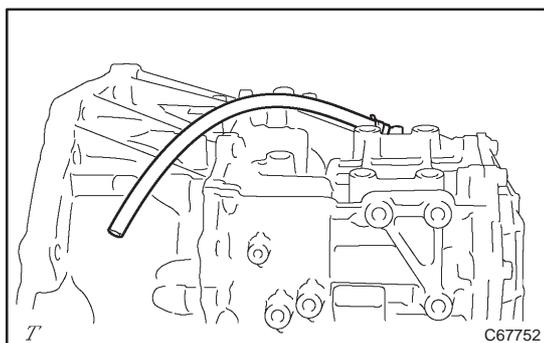


- (c) Using SST, remove the counter drive gear bearing rear outer race from the transaxle case.
SST 09308-00010

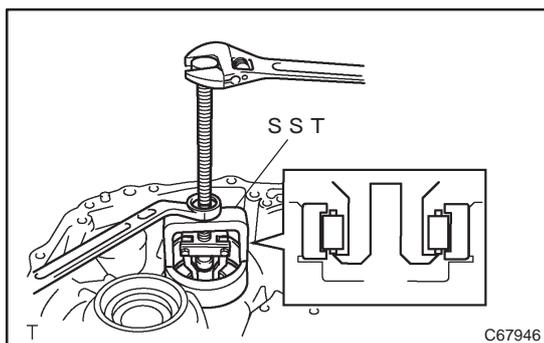


76. REMOVE COUNTER DRIVE GEAR HOLE SNAP RING [35782D / 3510]

- (a) Using a screwdriver, remove the counter drive gear hole snap ring from the transaxle case.

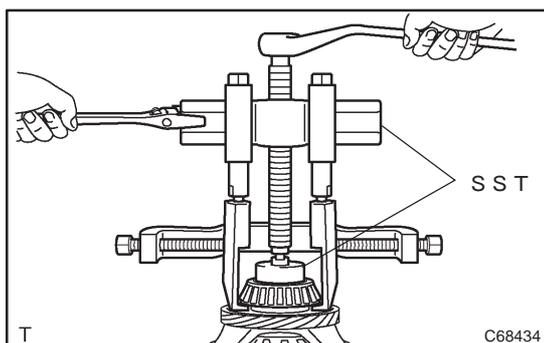


77. REMOVE BREATHER PLUG HOSE(U340E A/T) [35104V / 3503]



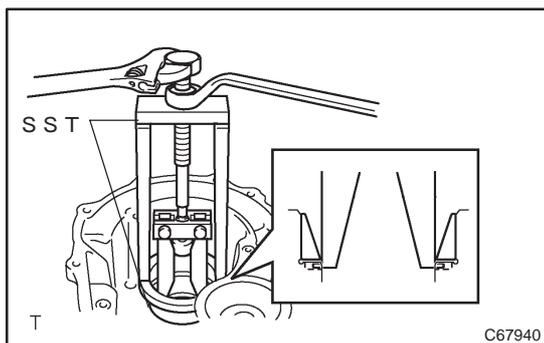
78. REMOVE FRONT DRIVE PINION REAR TAPERED ROLLER BEARING [41211B / 4301]

- (a) Using SST, remove front drive pinion LH cylindrical roller bearing from the transaxle case.
SST 09612-65014 (09612-01040)

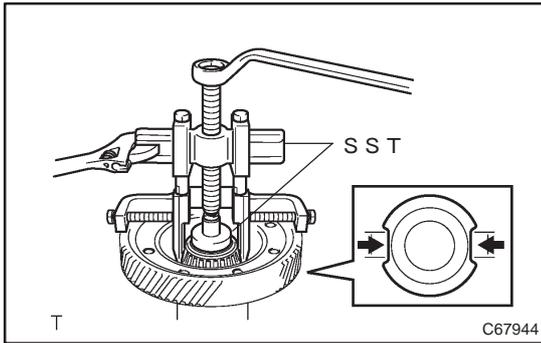


79. REMOVE FR DIFFERENTIAL CASE FRONT TAPERED ROLLER BEARING [41311E / 4301]

- (a) Using SST, remove the front differential case RH tapered roller bearing from the differential case.
SST 09950-40011 (09951-04010, 09952-04010, 09953-04030, 09954-04010, 09955-04061, 09957-04010, 09958-04011), 09950-60010 (09951-00390)



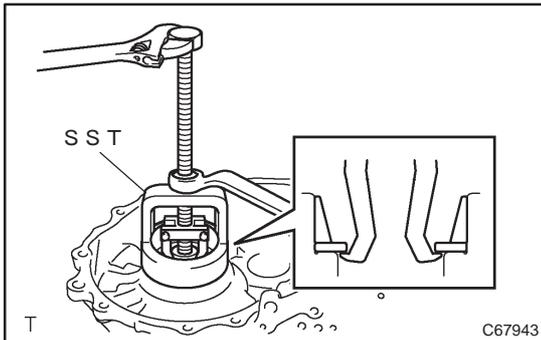
- (b) Using SST, remove the front differential case RH tapered roller bearing outer race from the transaxle housing.
SST 09387-00040 (09387-02020, 09387-02010)



80. REMOVE FR DIFFERENTIAL CASE REAR TAPERED ROLLER BEARING [41311F / 4301]

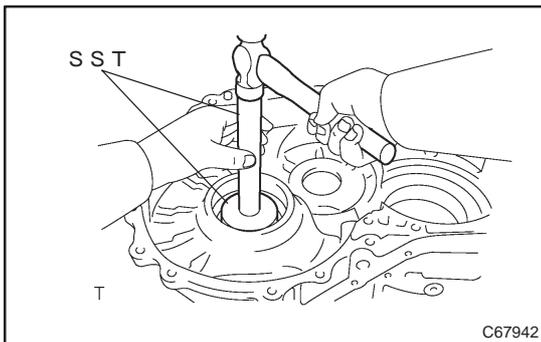
- (a) Using SST, remove the front differential case tapered roller bearing from the differential case.

SST 09950-40011 (09951-04010, 09952-04010, 09953-04020, 09954-04010, 09955-04061, 09957-04010, 09958-04011), 09950-60010 (09951-00430)



- (b) Using SST, remove front differences.

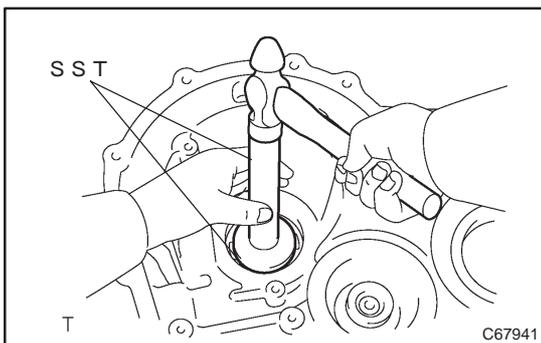
SST 09612-65014 (09612-01010)



81. REMOVE FRONT TRANSAXLE CASE OIL SEAL [31105D / 4301]

- (a) Using SST and a hammer, remove the oil seal from the transaxle case.

SST 09950-60010 (09951-00550), 09950-70010 (09951-07100)

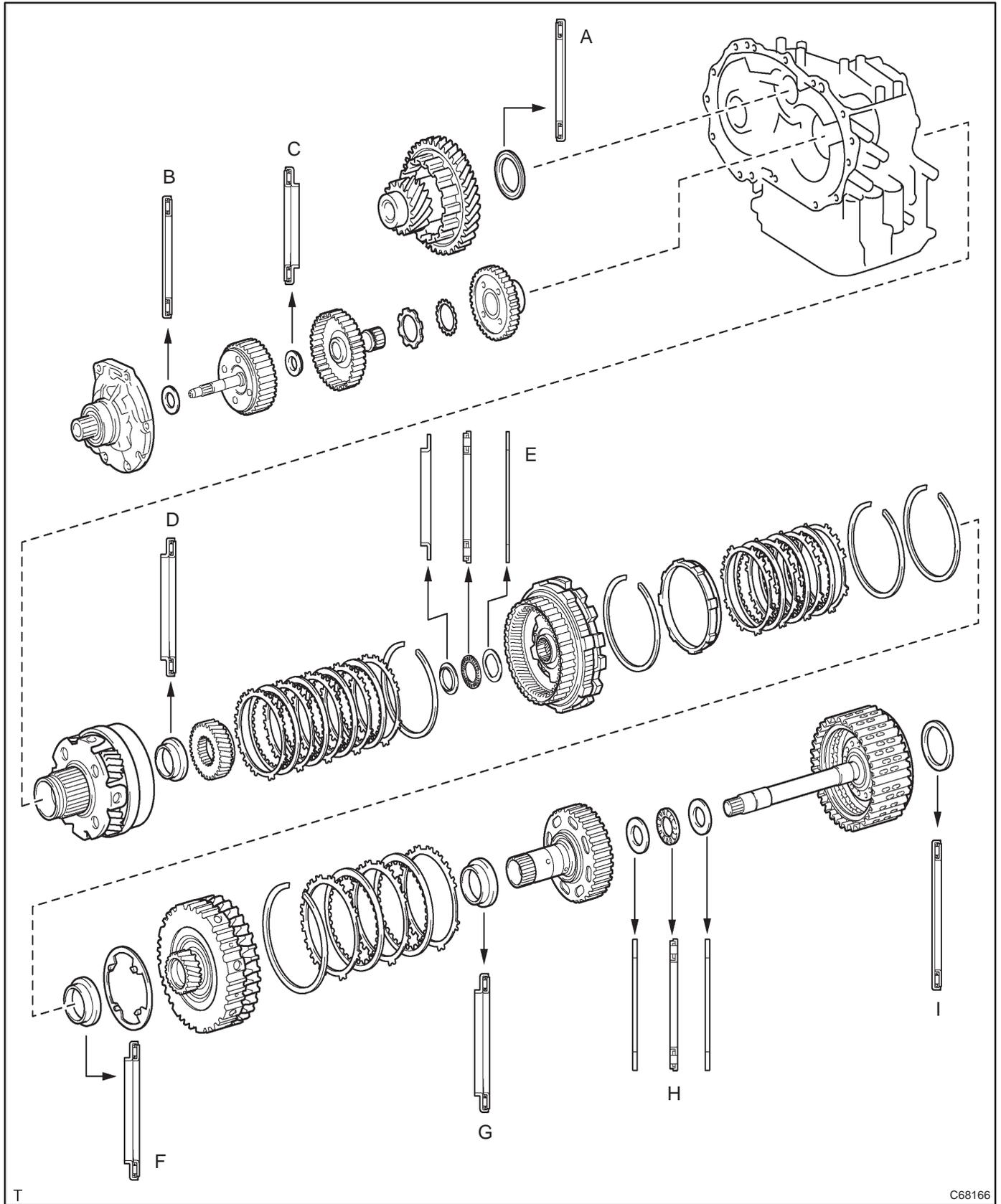


82. REMOVE TRANSAXLE CASE OIL SEAL [31105H / 4301]

- (a) Using SST and a hammer, remove the transaxle case oil seal from the transaxle housing.

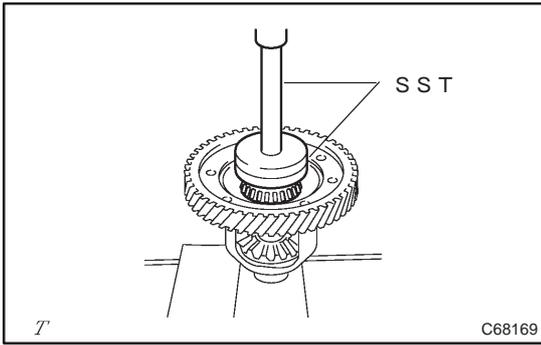
SST 09950-60010 (09951-00530), 09950-70010 (09951-07100)

83. BEARING POSITION



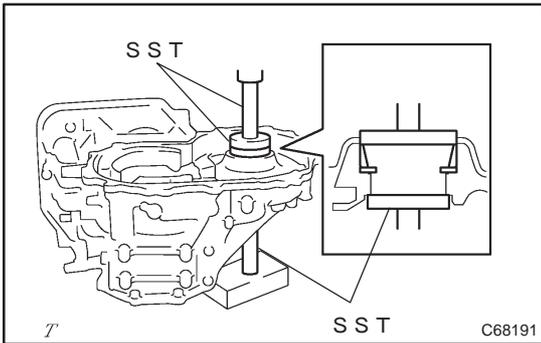
C68166

Mark	Front Race Diameter Inside / Outside mm (in.)	Thrust Bearing Diameter Inside / Outside mm (in.)	Rear Race Diameter Inside / Outside mm (in.)
A	-	45.1 (1.7756) / 65.1 (2.5630)	-
B	-	26 (1.0236) / 43.4 (1.7087)	-
C	-	21 (0.8268) / 34.85 (1.3721)	-
D	-	32.0 (1.260) / 48.0 (1.890)	-
E	36.75 (1.447) / 49.95 (1.967)	33.9 (1.335) / 52.0 (2.047)	- / 51.7 (2.035)
F	-	43.45 (1.7101) / 58.5 (2.3031)	-
G	-	29.4 (1.1574) / 44.4 (1.7480)	-
H	23.5 (0.9252) / 37.3 (1.4685)	22.5 (0.8858) / 37.3 (1.4685)	20.3 (0.7992) / 33.8 (1.3307)
I	-	43.45 (1.7101) / 61.2 (2.4094) or 43.45 (1.7101) / 61.74 (2.4307)	-

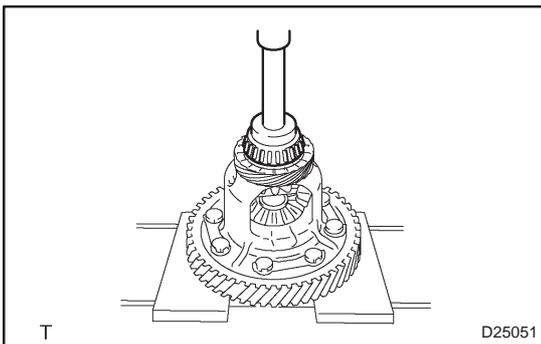


84. INSTALL FR DIFFERENTIAL CASE REAR TAPERED ROLLER BEARING [41311F / 4301]

- (a) Using SST and a press, install the front differential case LH tapered roller bearing inner race to the differential case.
SST 09726-40010, 09950-60020 (09951-00790)

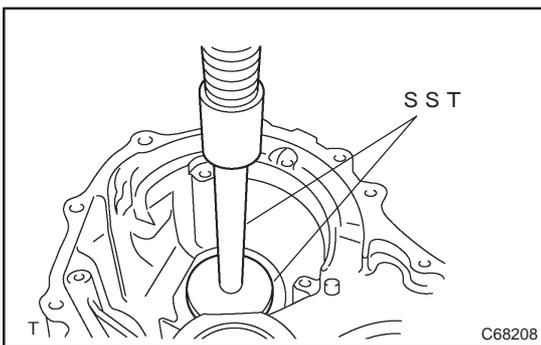


- (b) Using SST and a press, install the shim and bearing outer race to the transaxle case.
SST 09950-60010 (09951-00650), 09950-60020 (09951-00720), 09950-70010 (09951-07100, 09951-07200)

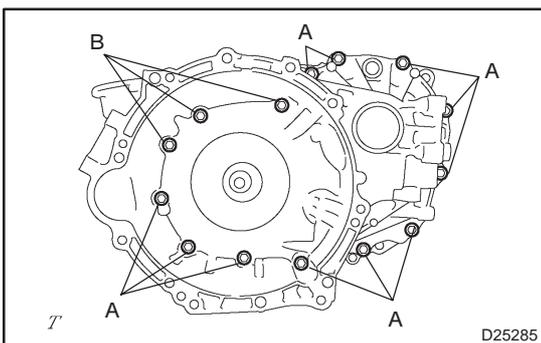


85. INSTALL FR DIFFERENTIAL CASE FRONT TAPERED ROLLER BEARING [41311E / 4301]

- (a) Using SST and a press, install the bearing inner race to the differential case.
SST 09950-60010 (09951-00460), 09950-70010 (09951-07100)



- (b) Using SST and a press, install the tapered roller bearing to the transaxle housing.
SST 09950-60020 (09951-00680), 09950-70010 (09951-07150)



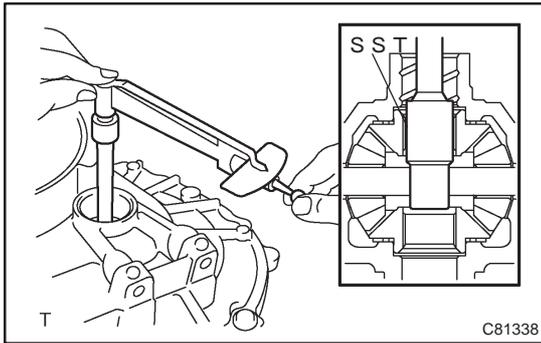
86. TAPERED POLLER BEARING PRELOAD

- (a) Coat the front differential case and bearing with ATF and install them to the transaxle case.
- (b) Install the 14 bolts and transaxle housing.

Torque:

Bolt A: 29 N·m (300 kgf·cm, 21 ft·lbf)

Bolt B: 22 N·m (220 kgf·cm, 16 ft·lbf)



- (c) Using SST and small torque wrench, measure the preload of the differential gear.

SST 09564-32011

Preload:

New bearing:

0.98 – 1.57 N·m (10.0 – 16.0 kgf·cm 8.7 – 13.9 in.·lbf)

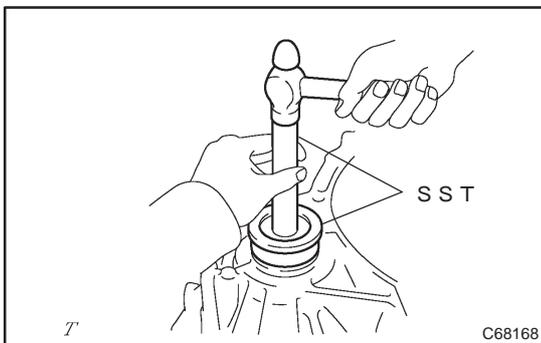
Used bearing:

0.49 – 0.78 N·m (5.0 – 8.0 kgf·cm 4.3 – 6.9 in.·lbf)

If the preload is not within the specification, remove the differential from the transaxle case. Re-select the transaxle case side adjusting shim according to the following table.

Adjusting shim thickness: mm (in.)

Mark	Thickness	Mark	Thickness
01	1.90(0.0748)	11	2.40(0.0945)
02	1.95(0.0768)	12	2.45(0.0965)
03	2.00(0.0787)	13	2.50(0.0984)
04	2.05(0.0807)	14	2.55(0.1004)
05	2.10(0.0827)	15	2.60(0.1024)
06	2.15(0.0846)	16	2.65(0.1043)
07	2.20(0.0866)	17	2.70(0.1063)
08	2.25(0.0885)	18	2.75(0.1082)
09	2.30(0.0906)	19	2.80(0.1102)
10	2.35(0.0925)	-	-

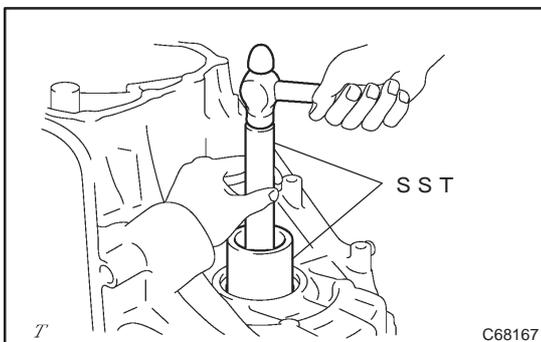


87. INSTALL TRANSAXLE CASE OIL SEAL [31105H / 4301]

- (a) Using SST and a hammer, drive in a new oil seal.
SST 09554-14010, 09950-70010 (09951-07100)

Oil seal in depth:

2 ± 0.5 mm (0.079 ± 0.020 in.)

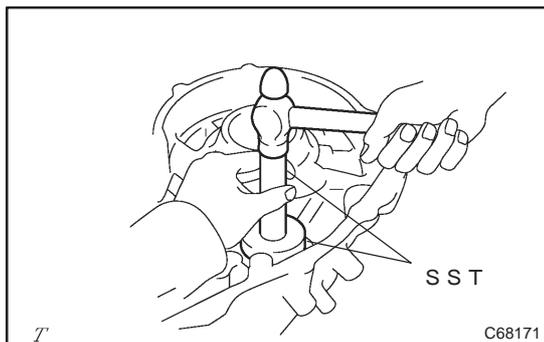


88. INSTALL FRONT TRANSAXLE CASE OIL SEAL [31105D / 4301]

- (a) Using SST and a hammer, drive in a new oil seal.
SST 09726-27012 (09726-02041), 09950-70010
(09951-07150)

Oil seal in depth:

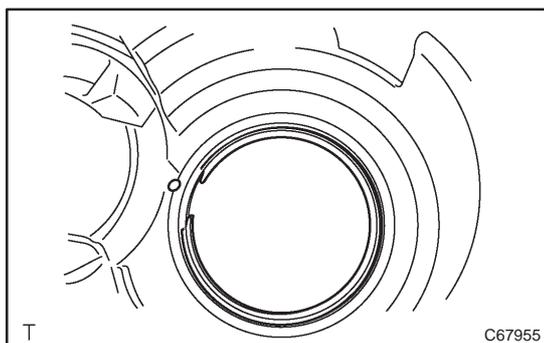
5.9 ± 0.5 mm (0.232 ± 0.020 in.)



89. INSTALL FRONT DRIVE PINION REAR TAPERED ROLLER BEARING [41211B / 4301]

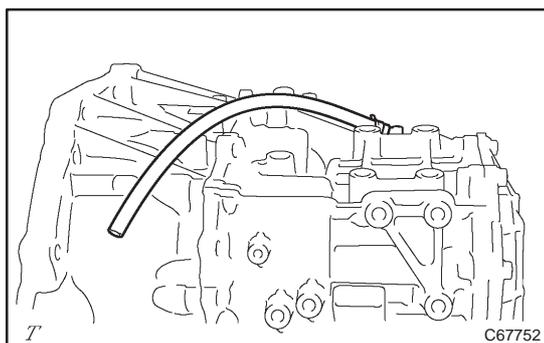
- (a) Using SST and a hammer, install the roller bearing in to the transaxle case.

SST 09950-60010 (09951-00610), 09950-70010 (09951-07150)

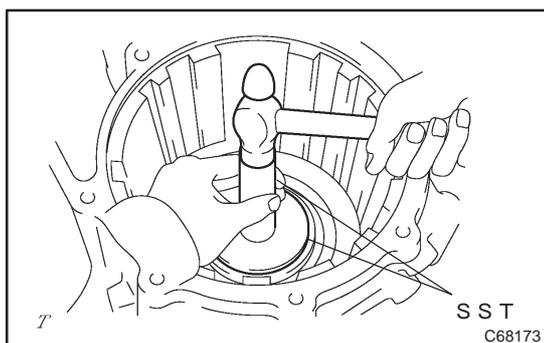


90. INSTALL COUNTER DRIVE GEAR HOLE SNAP RING [35782D / 3510]

- (a) Using a screwdriver, install the counter drive gear hole snap ring to the transaxle case.



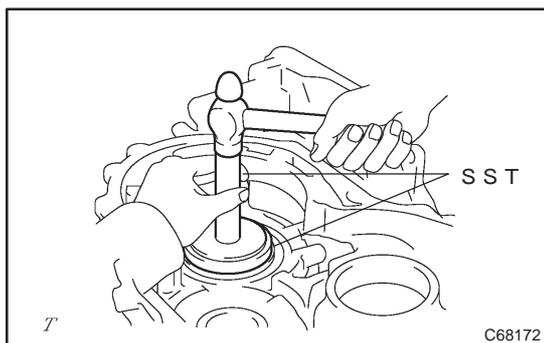
91. INSTALL BREATHER PLUG HOSE(U340E A/T) [35104V / 3503]



92. INSTALL COUNTER DRIVE GEAR BEARING [35782E / 3510]

- (a) Using SST and a hammer, install the counter drive gear bearing LH outer race to the transaxle case.

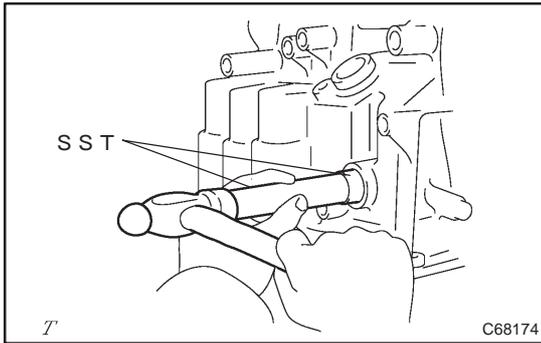
SST 09950-60020 (09951-00890), 09950-70010 (09951-07150)



- (b) Using SST and a hammer, install the counter drive gear bearing RH outer race to the transaxle case.

SST 09950-60020 (09951-00890), 09950-70010 (09951-07150)

- (c) Install the counter drive gear bearing to the transaxle case.

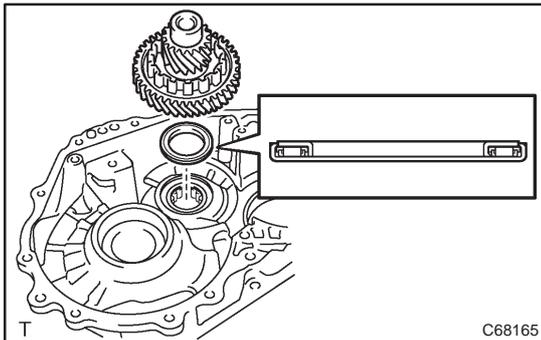


**93. INSTALL MANUAL VALVE LEVER SHAFT OIL SEAL
[35506F / 3513]**

- (a) Using SST and a hammer, install the new manual valve lever shaft oil seal.

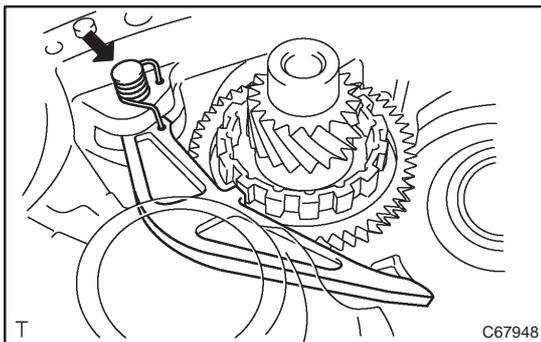
SST 09950-60010 (09951-00220), 09950-70010
(09951-07100)

**Oil seal in depth:
0 ± 0.5 mm (0 ± 0.020 in.)**



**94. INSTALL COUNTER DRIVEN GEAR
[35783R / 4301]**

- (a) Install the counter driven gear and drive pinion thrust bearing to the transaxle case.

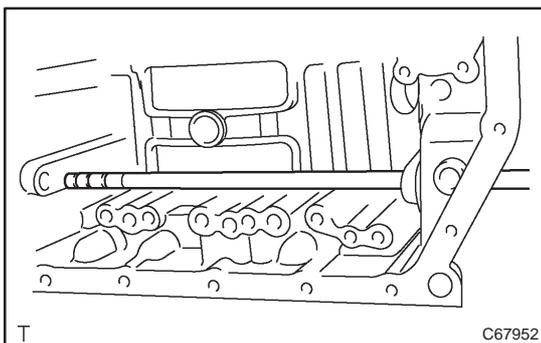


**95. INSTALL PARKING LOCK PAWL
[35557 / 3513]**

- (a) Coat the parking lock pawl shaft with ATF.
(b) Install the parking lock pawl, torsion spring and shaft to the transaxle case.

HINT:

Check that the parking lock pawl can move smoothly.

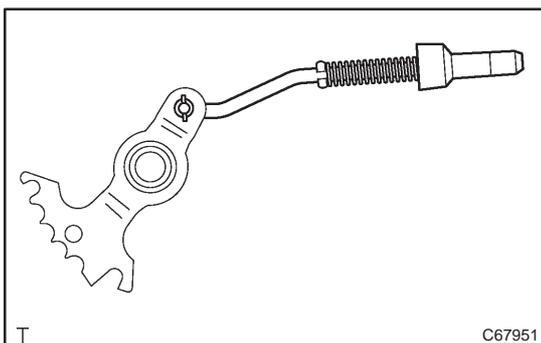


**96. INSTALL MANUAL VALVE LEVER SHAFT
[35561 / 3513]**

- (a) Install the manual valve lever shaft to the transaxle case.

NOTICE:

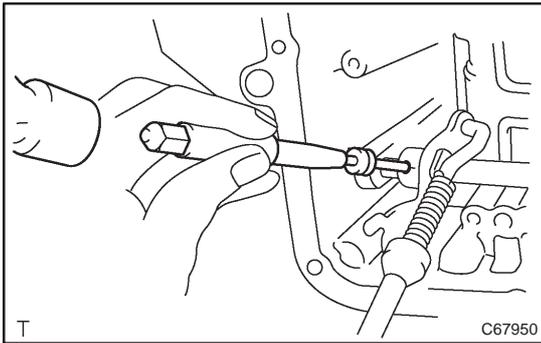
Be careful not to damage the oil seal lip.



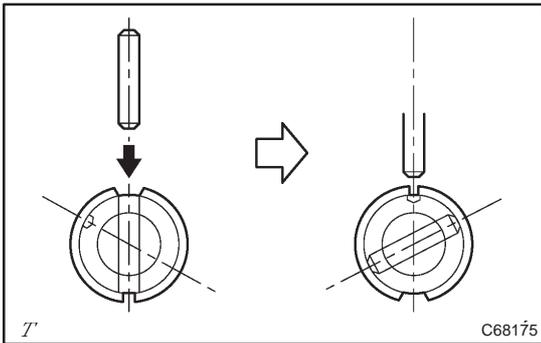
**97. INSTALL PARKING LOCK ROD SUB-ASSY
[35501 / 3513]**

**98. INSTALL MANUAL VALVE LEVER SUB-ASSY
[35505 / 3513]**

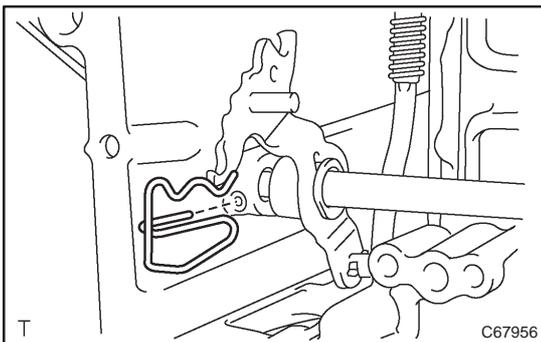
- (a) Coat the manual valve lever sub-assy with ATF.
(b) Install the manual valve lever and a new manual valve lever spacer to the manual valve lever shaft.



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



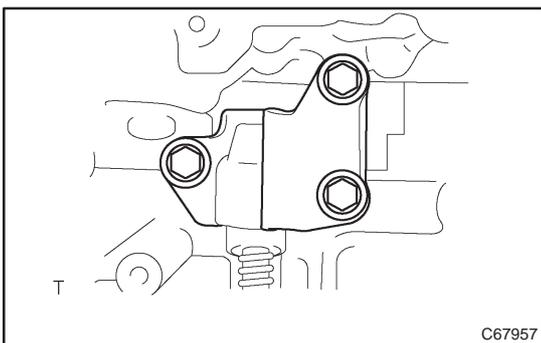
- (d) Turn the spacer and lever shaft to align the small hole for locating the staking position in the spacer with the staking position mark on the lever shaft.
- (e) Using a pin punch, stake the spacer through the small hole.
- (f) Check that the space does not turn.



99. INSTALL MANUAL VALVE LEVER SHAFT RETAINER SPRING

[35506J / 3513]

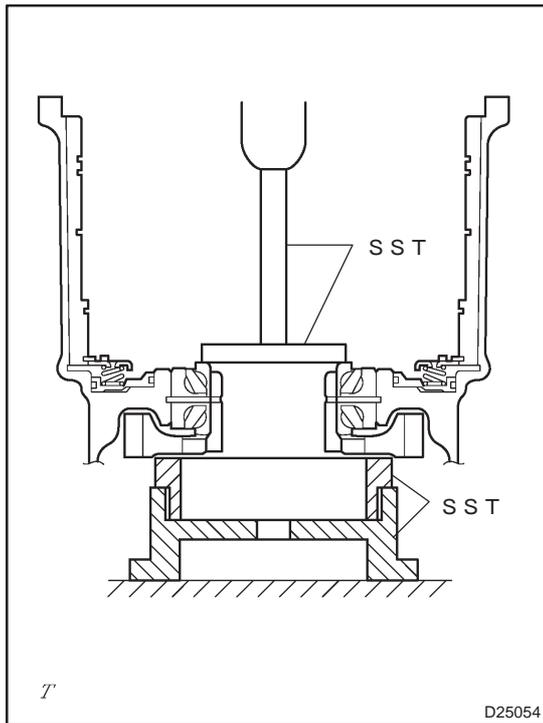
- (a) Install the retainer spring.



100. INSTALL PARKING LOCK PAWL BRACKET

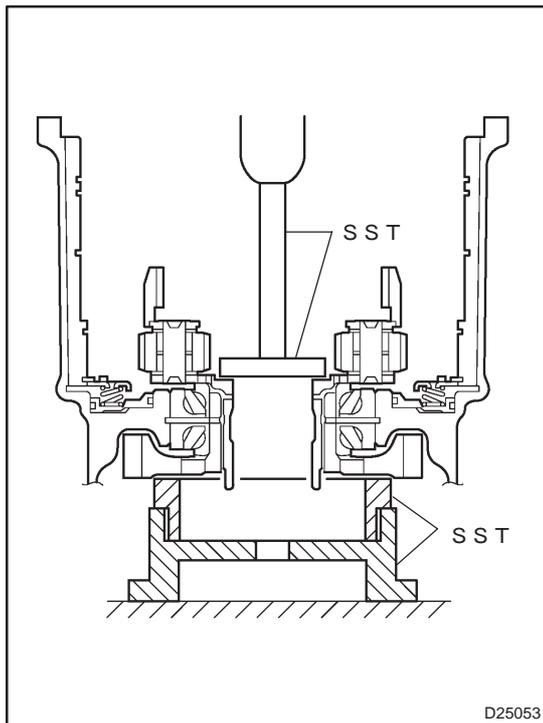
[35595 / 3513]

- (a) Install the cam guide, bracket and 3 bolts.
Torque: 20 N·m (200 kgf·cm, 14 ft·lbf)



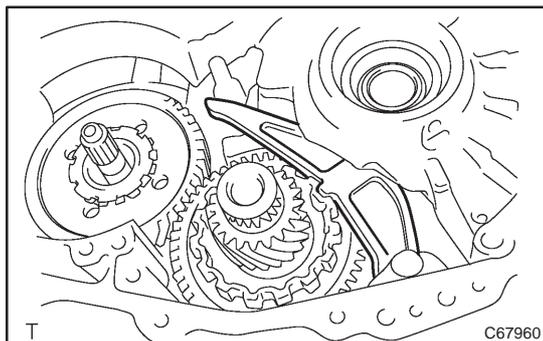
101. INSTALL COUNTER DRIVE GEAR [35782C / 3510]

- (a) Using SST and a press, install the counter drive gear to the transaxle case.
SST 09223-15030, 09527-17011, 09950-60010
(09951-00650), 09950-70010 (09951-07150)



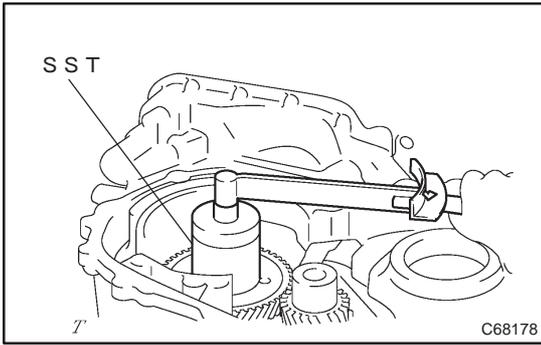
102. INSTALL PLANETARY GEAR ASSY [35720G / 3510]

- (a) Using SST and a press, install the planetary gear assy to the transaxle case.
SST 09950-60010 (09951-00480), 09223-15030,
09527-17011, 09950-70010 (09951-07150)

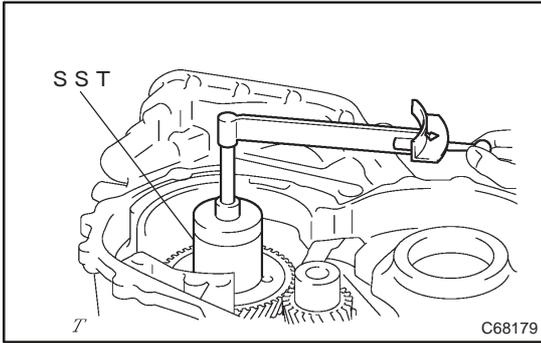


103. INSTALL COUNTER DRIVE GEAR NUT [35782H / 3510]

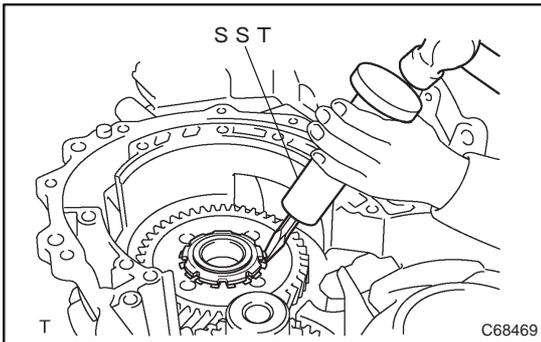
- (a) Fix the counter driven gear with the parking lock pawl.



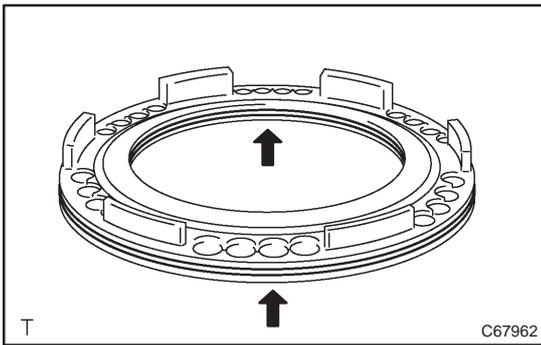
- (b) Using SST, install a new lock washer and nut.
SST 09387-00120
Torque: 280 N·m (2,855 kgf·cm, 207 ft·lbf)



- (c) Using SST and a small torque wrench, while turning to counter drive gear 60 turn per minute and measure the rotating torque.
SST 09387-00120
**Rotating torque:
0.20 - 0.49 N·m (2 - 5 kgf·cm, 2 - 4 in·lbf)**

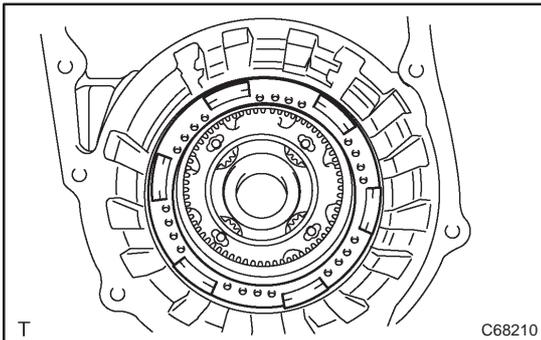


- (d) Using SST and a hammer, stake the lock nut washer.
SST 09930-00010



104. INSTALL 1ST & REVERSE BRAKE PISTON NO.2 O-RING [35623Q / 3509]

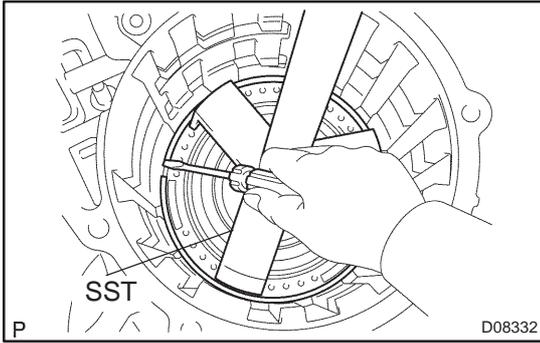
- (a) Install the 2 O-rings.



105. INSTALL 1ST & REVERSE BRAKE PISTON NO.2 [35623P / 3509]

- (a) Install the 1st & reverse brake piston to the transaxle case.

NOTICE:
Be careful not to damage the oil seal lip.

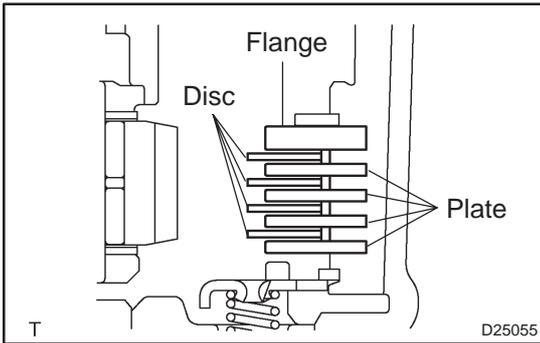


106. INSTALL 1ST & REVERSE BRAKE RETURN SPRING SUB-ASSY

[35068 / 3509]

- (a) Install the 1st & reverse brake return spring sub-assy to the transaxle case.
- (b) Using SST, a press and a screwdriver, install the snap ring.

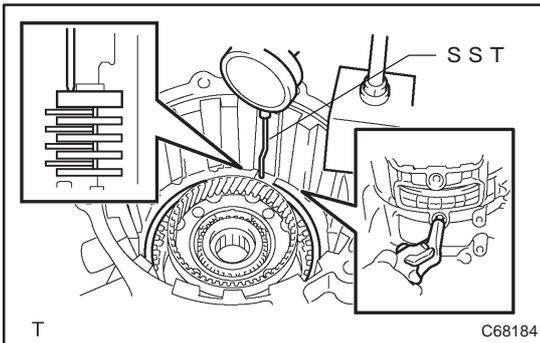
SST 09387-00070



107. INSTALL 1ST & REVERSE BRAKE DISC

[35683 / 3509]

- (a) Install the 4 plates, 4 discs and flange to the transaxle case.
- (b) Using a screwdriver, install the snap ring.



108. INSPECT PACK CLEARANCE OF FIRST & REVERSE BRAKE

- (a) Using SST and a dial indicator, measure the dimension "A" in the illustration while pressing the disc and plate from the rear side.

SST 09350-36010 (09350-06110)

Pack clearance: 0.806 – 1.206 mm (0.0317 – 0.0475 in.)

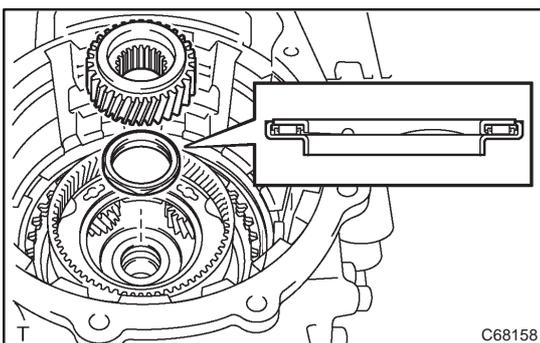
HINT:

Pack clearance = Dimension A – Flange thickness – Snap ring thickness

Select flange thickness: mm (in.)

Mark	Thickness	Mark	Thickness
-	3.4 (0.134)	2	3.8 (0.150)
1	3.6 (0.142)	3	4.0 (0.157)

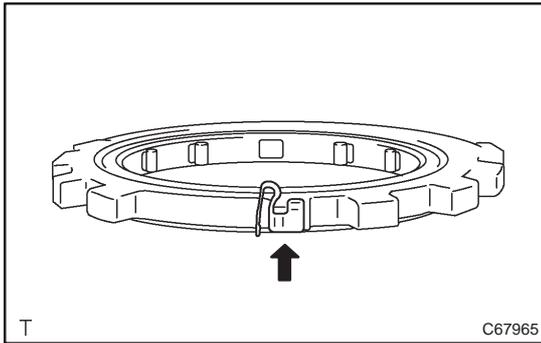
- (b) Check that the 1st & reverse brake piston moves when applying compressed air (392 kPa, 4.0 kgf/cm², 57 psi) to the oil hole.



109. INSTALL FR PLANETARY SUN GEAR

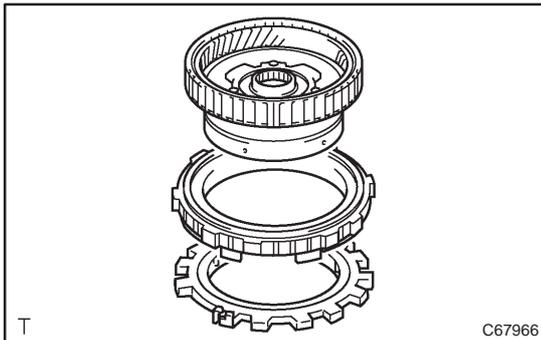
[35714D / 3510]

- (a) Install the planetary sun gear and needle roller bearing to the planetary gear assy.



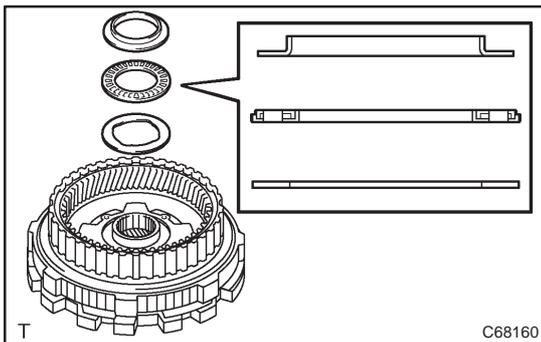
110. INSTALL OUTER RACE RETAINER [34365A / 3503]

- (a) Install outer retainer to the 1 way clutch No.2.



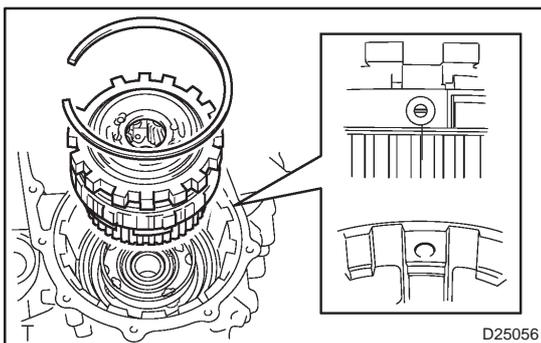
111. INSTALL 1 WAY CLUTCH NO.2 [35792C / 3509]

- (a) Install the 1 way clutch and a 2nd brake piston assy to the rear planetary gear assy.



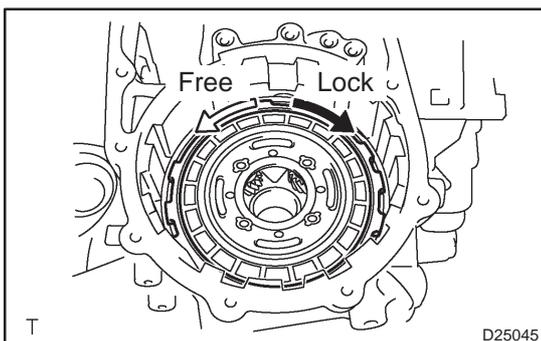
112. INSTALL PLANETARY GEAR REAR THRUST NEEDLE ROLLER BEARING [35720K / 3510]

- (a) Install the thrust bearing race No. 2, planetary gear thrust needle roller bearing and a thrust bearing race No.1 to the rear planetary gear assy.



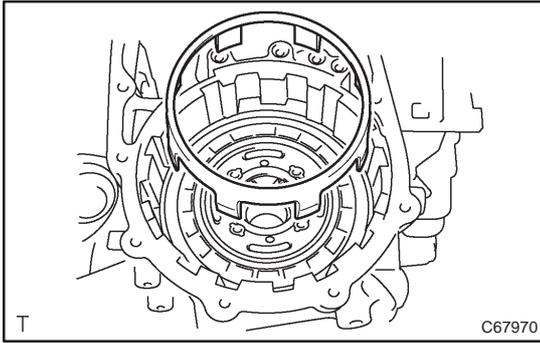
113. INSTALL REAR PLANETARY GEAR ASSY [35760 / 3510]

- (a) Install the rear planetary gear assy to the transaxle case to the transaxle case.
(b) Using a screwdriver, install the snap ring.



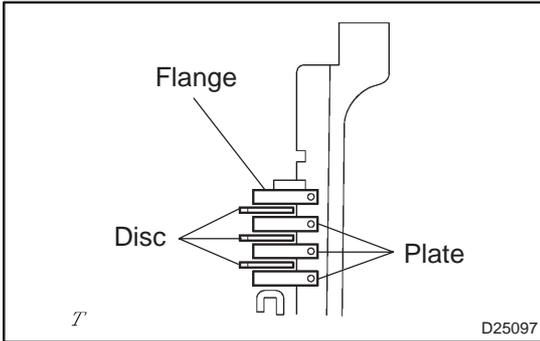
114. INSPECT 1 WAY CLUTCH NO.2 [35792C / 3509]

- (a) Check that the rear planetary gear turns freely counter-clockwise and locks clockwise.



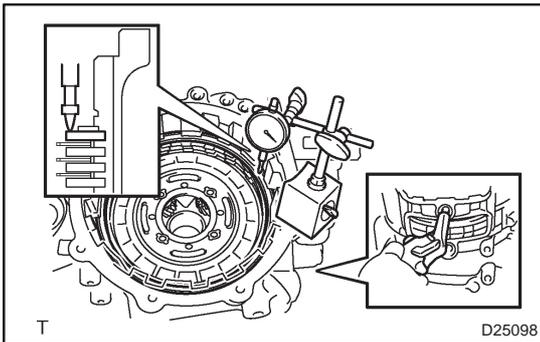
115. INSTALL 2ND BRAKE PISTON SLEEVE [35626D / 3509]

- (a) Install the 2nd brake piston sleeve to the transaxle case.



116. INSTALL 2ND BRAKE BRAKE DISC [35682 / 3509]

- (a) Install the 3 discs, 3 plates and flange to the transaxle case.
- (b) Using a screwdriver, install the snap ring to the transaxle case.



117. INSPECT PACK CLEARANCE OF SECOND BRAKE

- (a) Using a dial indicator, measure the 2nd brake pack clearance while applying and releasing compressed air (392 – 785 kPa, 4 – 8 kgf·cm², 57 – 114 psi).

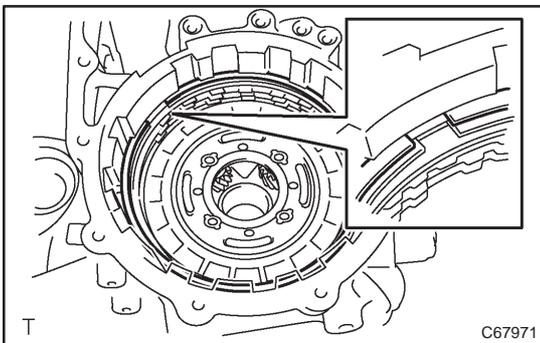
Pack clearance: 0.847 – 1.247 mm (0.0333 – 0.0491 in.)

HINT:

Pack clearance = Dimension A – Selected flange thickness – Snap ring thickness.

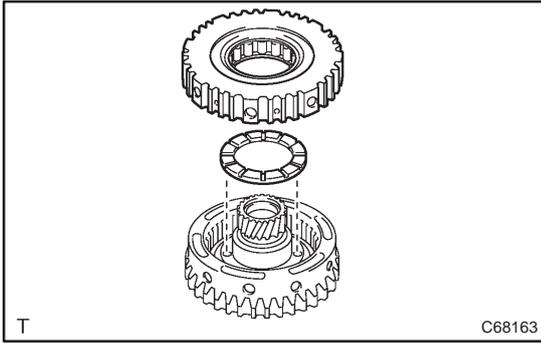
Selected flange thickness: mm (in.)

Mark	Thickness	Mark	Thickness
–	3.0 (0.118)	2	3.4 (0.134)
1	3.2 (0.126)	3	3.6 (0.142)



118. INSTALL 2ND COAST & OVERDRIVE BRAKE FLANGE HOLE SNAP RING [34625E / 3509]

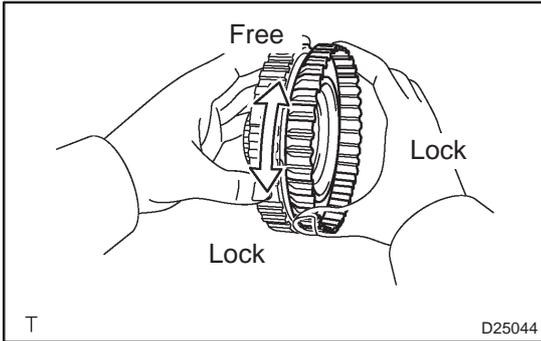
- (a) Using a screwdriver, install the snap ring to the transaxle case.



119. INSTALL 1 WAY CLUTCH ASSY

[35790A / 3510]

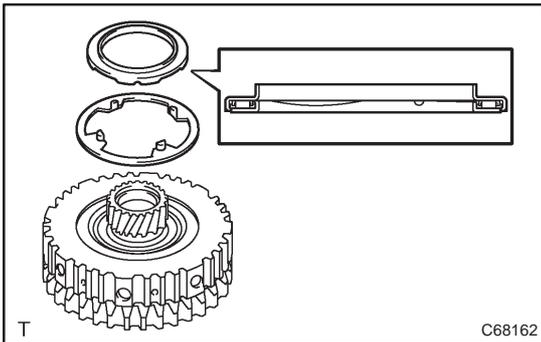
- (a) Install the thrust washer No.2 to the rear planetary gear assy.
- (b) Install the 1 way clutch assy to the rear planetary sun gear assy.



120. INSPECT 1 WAY CLUTCH ASSY

[35790A / 3510]

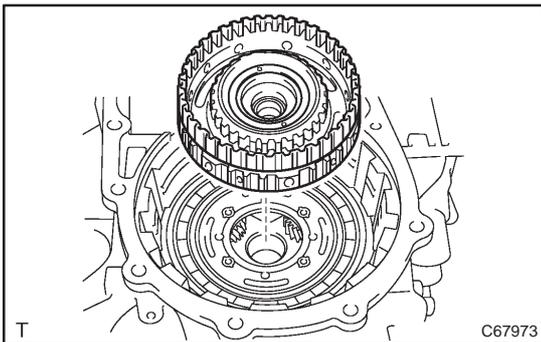
- (a) Hold the rear planetary sun gear and turn the 1 way clutch. The 1 way clutch should turn freely clockwise and should lock counterclockwise.



121. INSTALL REAR PLANERARY SUN GEAR THRUST NEEDLE ROLLER BEARING

[35730B / 3510]

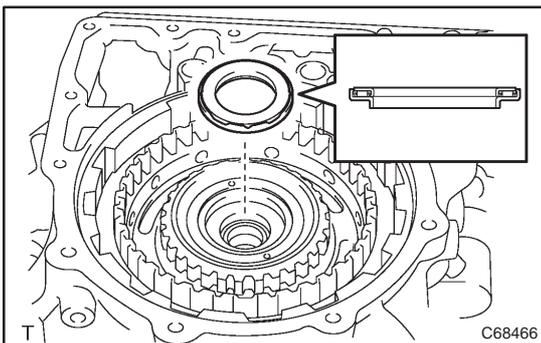
- (a) Install the thrust bearing and a washer to the rear planetary sun gear.



122. INSTALL REAR PLANETARY SUN GEAR ASSY

[35730 / 3510]

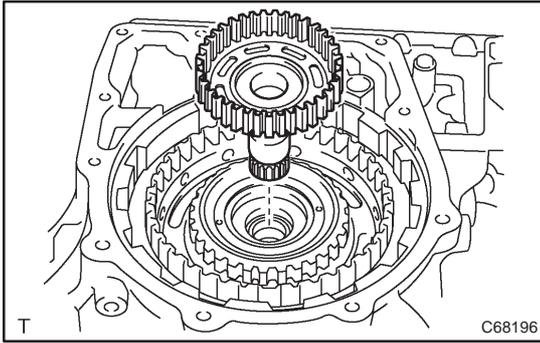
- (a) Install the rear planetary sun gear assy.



123. INSTALL REAR PLANETARY SUN GEAR, NO.2 THRUST NEEDLE BEARING

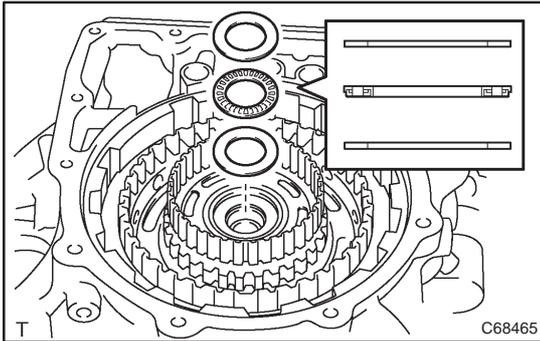
[35730C / 3510]

- (a) Install the thrust bearing to the rear planetary sun gear.



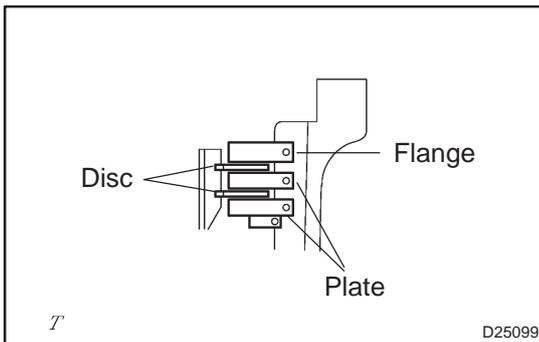
124. INSTALL DIRECT CLUTCH HUB
[35654B / 3507]

- (a) Install the direct clutch hub.



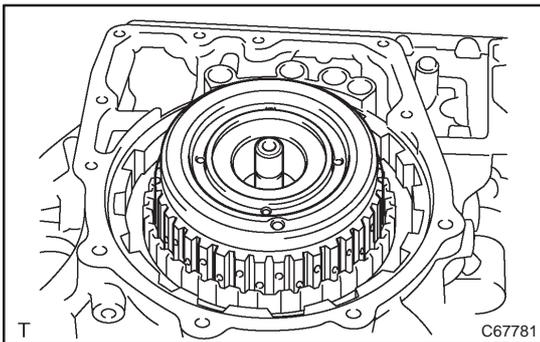
125. INSTALL THRUST NEEDLE ROLLER BEARING
[35605B / 3507]

- (a) Install the thrust bearing race No.3, thrust needle roller bearing and a C₂ hub thrust bearing race to the direct clutch hub.



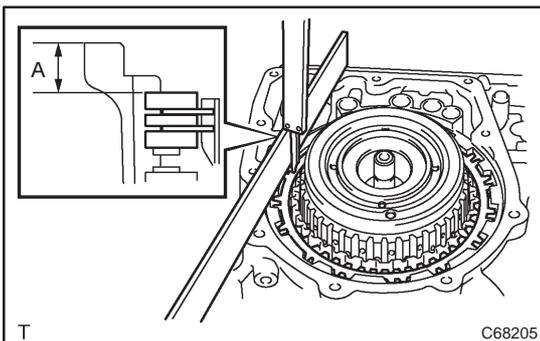
126. INSTALL 2ND COAST & OVERDRIVE BRAKE DISC
[34633 / 3509]

- (a) Install the 2 discs, 2 plates and a flange to the transaxle case.



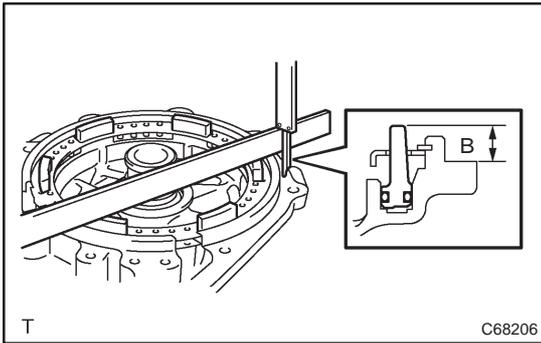
127. INSTALL INTERMEDIATE SHAFT ASSY

- (a) Install the intermediate shaft assy to the transaxle case.



128. INSPECT PACK CLEARANCE OF SECOND COAST & OVER DRIVE BRAKE

- (a) As shown in the illustration, place a straight edge on the transaxle case and measure the distance between the 2nd coast & O/D brake flange and straight edge using vernier calipers. (Dimension A)



- (b) As shown in the illustration, place a straight edge on the O/D brake piston and measure the distance between the transaxle rear cover and straight edge using vernier calipers. (Dimension B)
Calculate the piston stroke value using the following formula. Select a flange which satisfies the piston stroke value and install it.

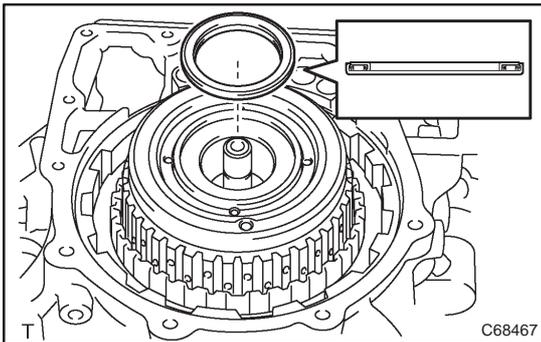
Pack clearance: 2.091 – 2.491 mm (0.0823 – 0.0981 in)

HINT:

Pack clearance = Dimension "A" – Dimension "B" – Selected flange thickness.

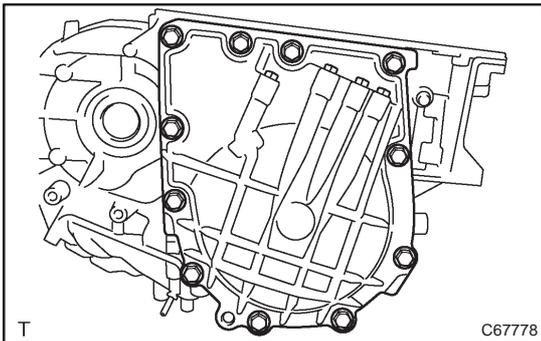
Selected flange thickness: mm (in.)

Mark	Thickness	Mark	Thickness
4	4.0(0.1575)	6	4.4(0.1732)
5	4.2(0.1654)	7	4.6(0.1811)



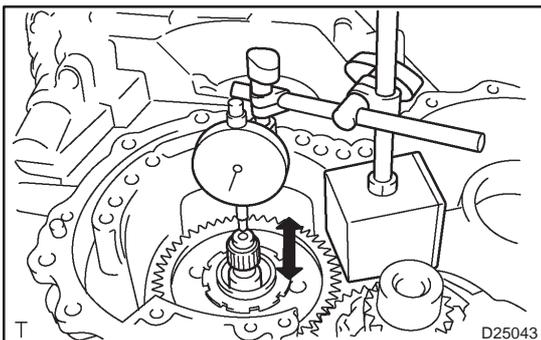
129. INSTALL REAR CLUTCH DRUM THRUST NEEDLE ROLLER BEARING [35651B / 3507]

- (a) Install the bearing to the intermediate shaft.

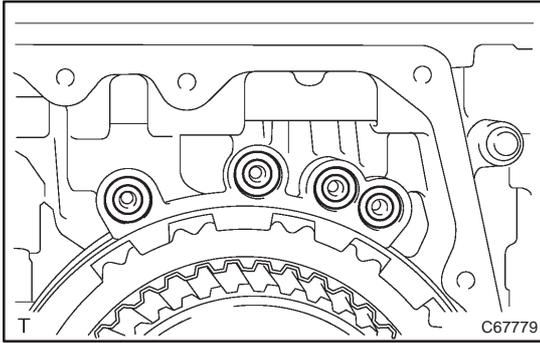


130. INSPECT INTERMEDIATE SHAFT ASSY

- (a) Install the transaxle rear cover and 11 bolts.
Torque: 24.5 N·m (250 kgf·cm, 18 ft·lbf)

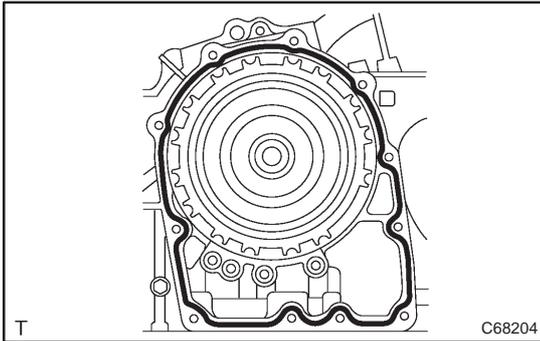


- (b) Using a dial indicator, measure the runout of intermediate shaft.
Standard clearance: 0.204 – 0.966 mm (0.008 – 0.038 in.)
- (c) Remove 11 bolts and transaxle rear cover.



**131. INSTALL TRANSAXLE CASE GASKET
[35145C / 3503]**

- (a) Install the 4 new gaskets to the transaxle case.

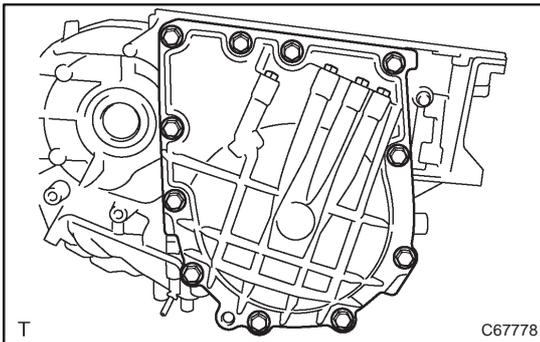


132. INSTALL TRANSAXLE REAR COVER ASSY

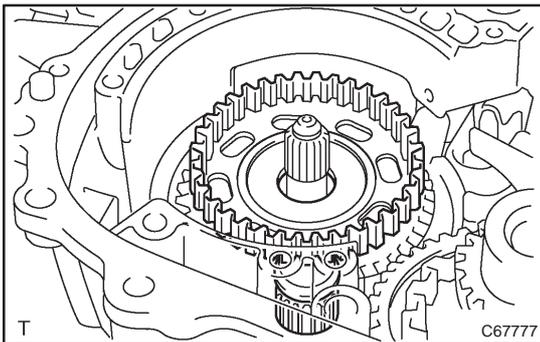
- (a) Apply FIPG to the transaxle case.

FIPG:

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

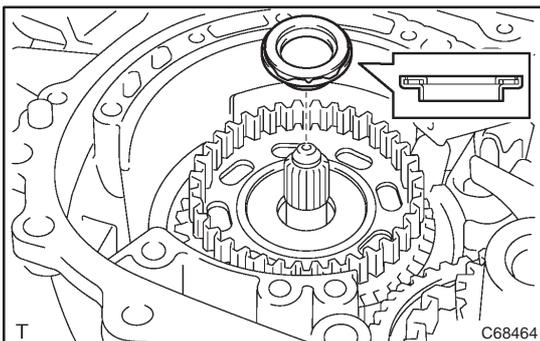


- (b) Install the transaxle rear cover and 11 bolts.
Torque: 24.5 N·m (250 kgf·cm, 18 ft·lbf)



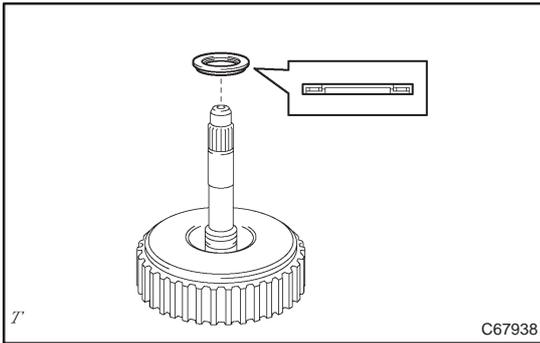
**133. INSTALL FORWARD CLUTCH HUB SUB-ASSY
[35061 / 3507]**

- (a) Install the forward clutch hub sub-assy to the transaxle case.



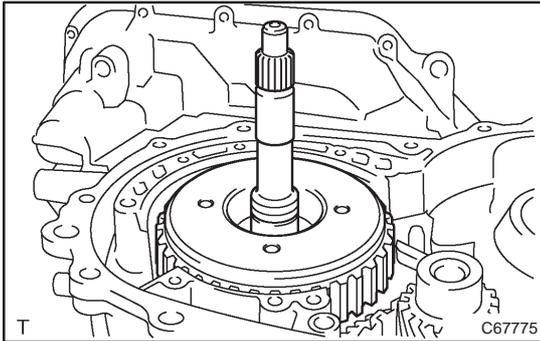
**134. INSTALL FORWARD CLUTCH HUB THRUST NEEDLE
ROLLER BEARING
[35061C / 3507]**

- (a) Install the bearing to the forward clutch hub.



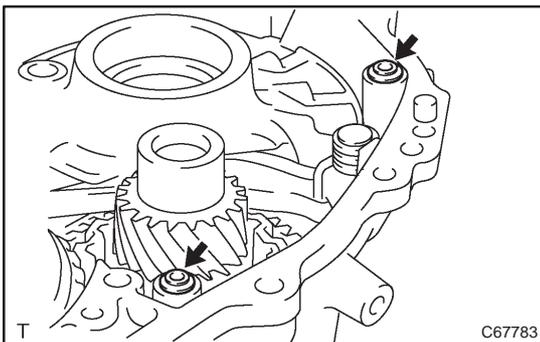
135. INSTALL STATOR SHAFT THRUST NEEDLE ROLLER BEARING
[35370A / 3502]

- (a) Install the bearing to the input shaft assy.



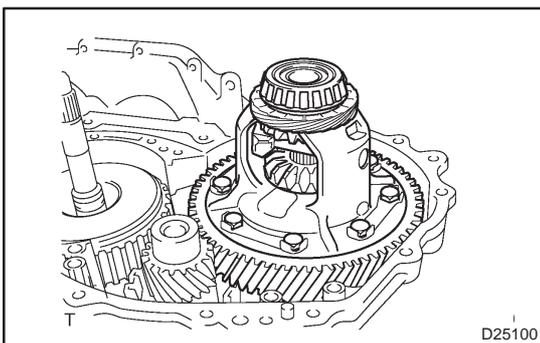
136. INSTALL INPUT SHAFT ASSY

- (a) Install the input shaft assy to the transaxle case.



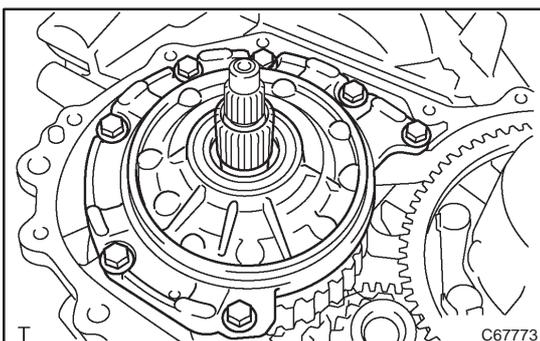
137. INSTALL OVERDRIVE BRAKE GASKET
[35179 / 3503]

- (a) Install 2 new gaskets to the transaxle case.



138. INSTALL DIFFERENTIAL GEAR ASSEMBLY

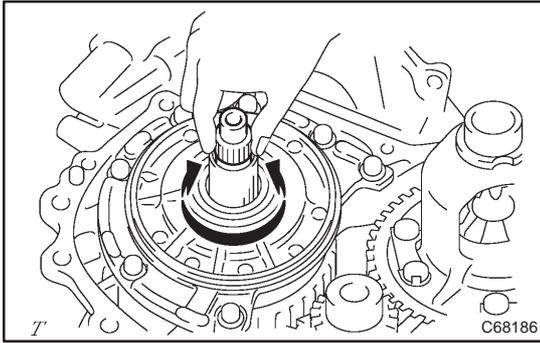
- (a) Install the differential gear assy to the transaxle case.



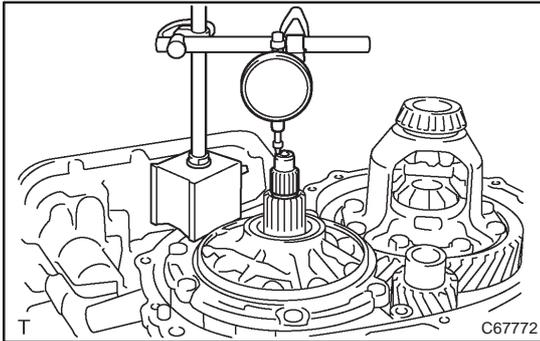
139. INSTALL OIL PUMP ASSEMBLY

- (a) Install the 7 bolts and oil pump.

Torque: 22 N·m (220 kgf·cm, 16 ft·lbf)

**140. INSPECT INPUT SHAFT ASSY**

- (a) Make sure that the input shaft turns smoothly.

**141. INSPECT INPUT SHAFT ENDPLAY**

- (a) Measure the end play in axial direction.

End play: 0.37 – 1.29 mm (0.0146 – 0.0508 in.)

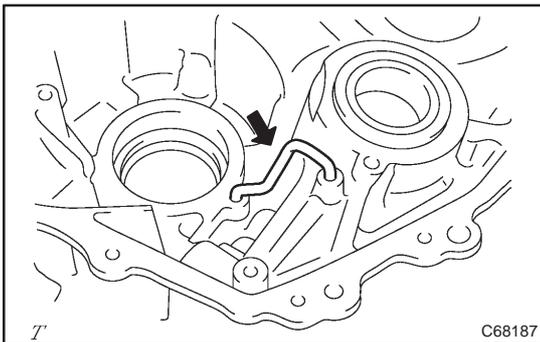
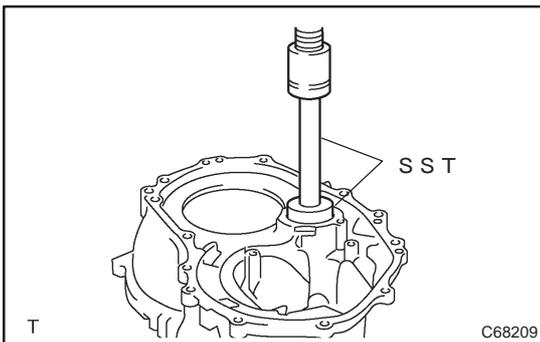
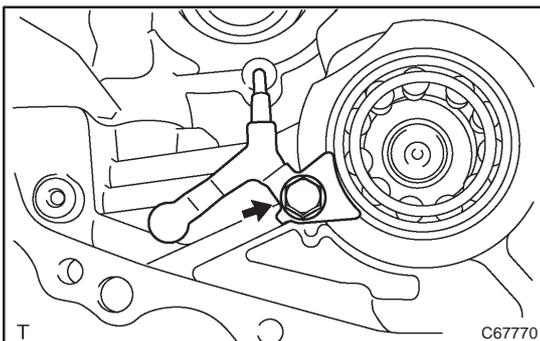
If the end play is not as specified, select and replace the thrust needle roller bearing.

142. INSTALL FRONT DRIVE PINION FRONT TAPERED ROLLER BEARING [41211A / 4301]

- (a) Install the thrust bearing to the transaxle housing.

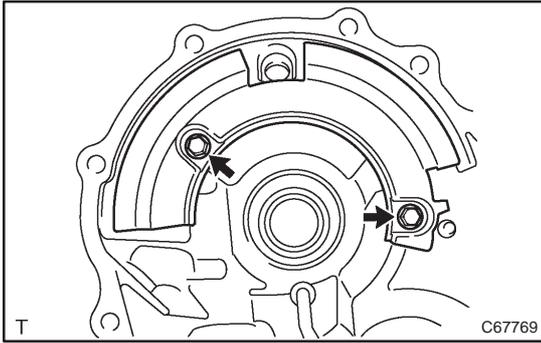
- (b) Using SST and a press, install the cylindrical roller bearing to the transaxle housing.

SST 09950-60010 (09951-00650), 09950-70010 (09951-07150)

**143. INSTALL DIFFERENTIAL GEAR LUBE APPLY TUBE [35882D / 3510]****144. INSTALL BEARING LOCK PLATE [33326E / 3510]**

- (a) Install the bolt and bearing lock plate to the transaxle housing.

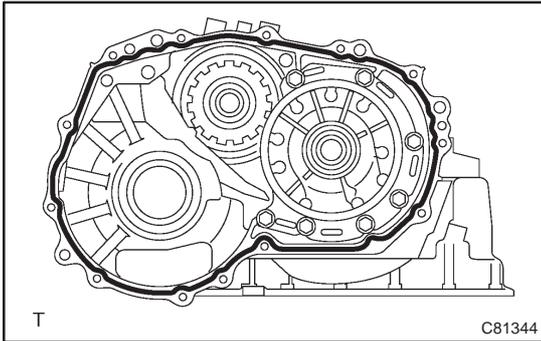
Torque: 11 N·m (110 kgf·cm, 8 ft·lbf)



145. INSTALL TRANSAXLE HOUSING OIL SEPARATOR [35174 / 4301]

- (a) Install the 2 bolts and oil separator to the transaxle housing.

Torque: 9.8 N·m (100 kgf·cm, 7 ft·lbf)

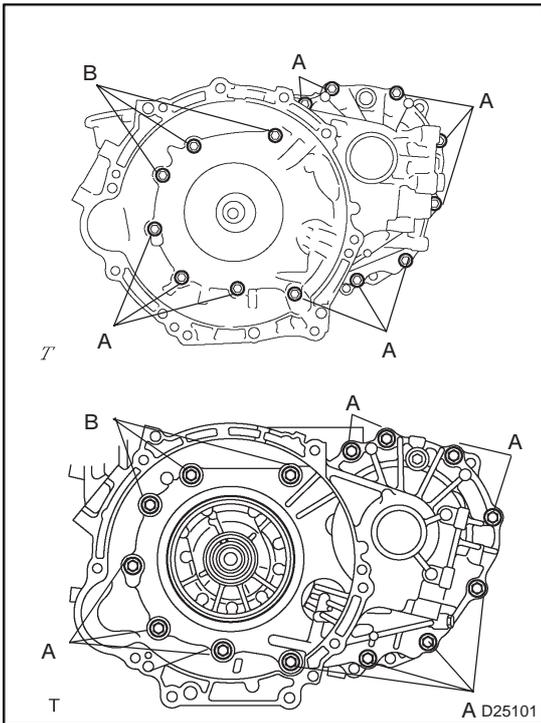


146. INSTALL TRANSAXLE HOUSING [35111C / 4301]

- (a) Apply FIPG to the transaxle case.

FIPG:

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

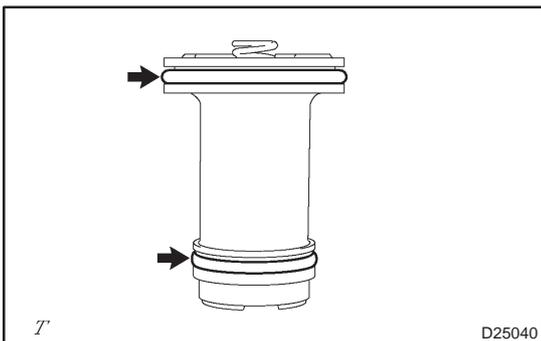


- (b) Install the 14 bolts and transaxle housing.

Torque:

Bolt A: 29 N·m (300 kgf·cm, 21 ft·lbf)

Bolt B: 22 N·m (220 kgf·cm, 16 ft·lbf)

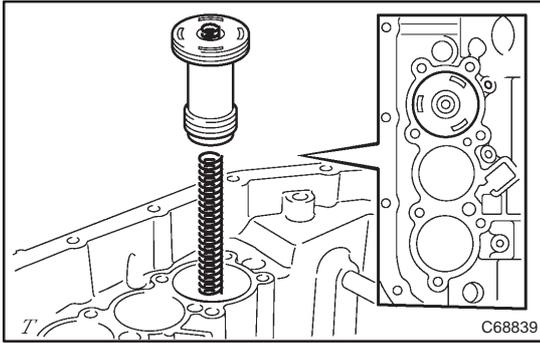


147. INSTALL C-2 ACCUMULATOR PISTON [35425A / 3512]

- (a) Coat new 2 O-rings with ATF and install them to the C₂ Accumulator piston.

NOTICE:

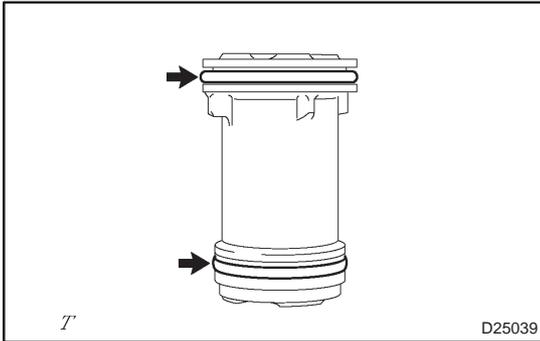
Be careful not to damage the O-ring.



(b) Install the spring and C₂ accumulator piston.

Accumulator spring:

Spring	Free length/ Outer diameter mm (in.)	Color
C ₂	66.90(2.6339)/ 17.20(0.6772)	-

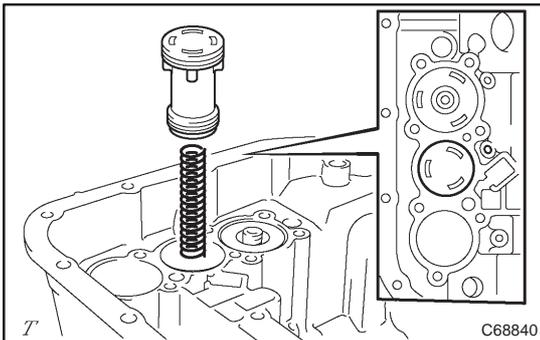


**148. INSTALL C-3 ACCUMULATOR PISTON
[35426D / 3512]**

(a) Coat new 2 O-rings with ATF and install them to the C₃ accumulator piston.

NOTICE:

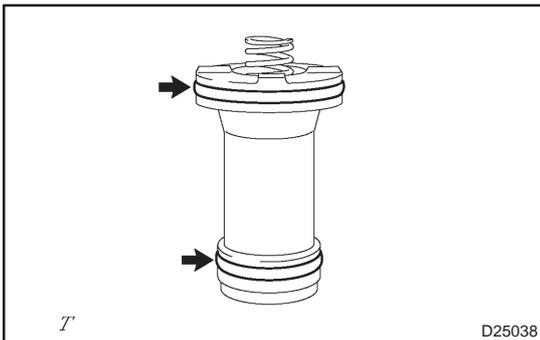
Be careful not to damage the O-ring.



(b) Install the spring and C₃ accumulator piston.

Accumulator spring:

Spring	Free length/ Outer diameter mm (in.)	Color
C ₃	80.20(3.1575)/ 18.70(0.7362)	Blue

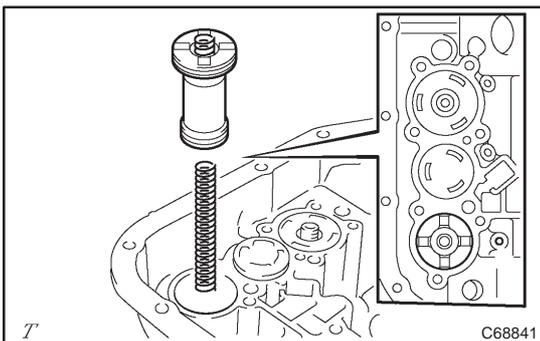


**149. INSTALL B-2 ACCUMULATOR PISTON
[35423 / 3512]**

(a) Coat new 2 O-rings with ATF and install them to the B₂ accumulator piston.

NOTICE:

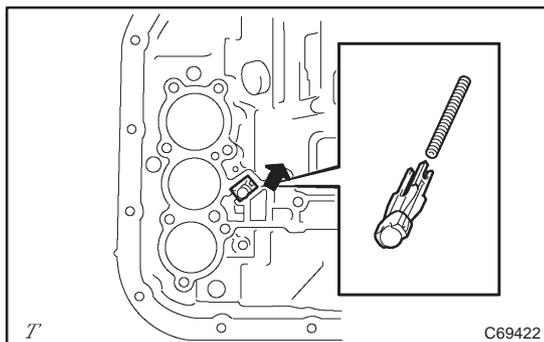
Be careful not to damage the O-ring.



(b) Install the spring and B₂ accumulator piston.

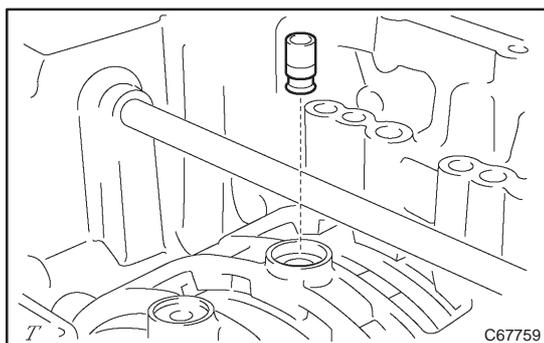
Accumulator spring:

Spring	Free length/ Outer diameter mm (in.)	Color
B ₂	66.90(2.6339)/ 15.50(0.6102)	Green



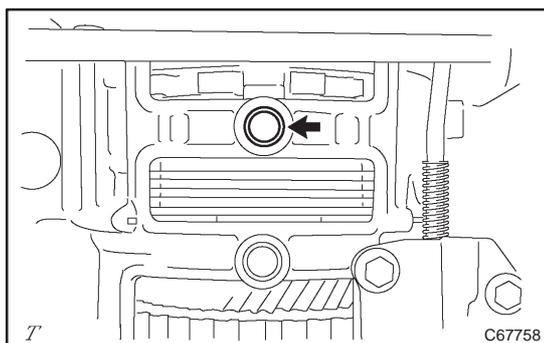
150. INSTALL CHECK BALL BODY
[35251 / 3512]

- (a) Install the spring and check ball body.



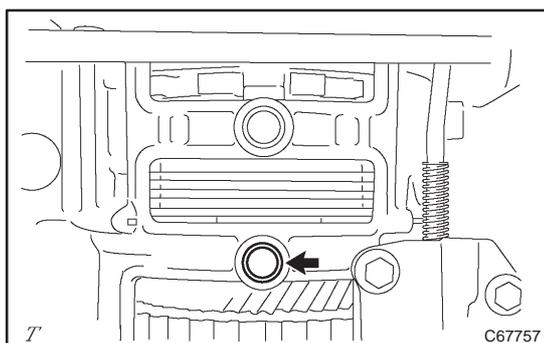
151. INSTALL BRAKE DRUM GASKET
[35159 / 3503]

- (a) Install a new brake drum gasket.



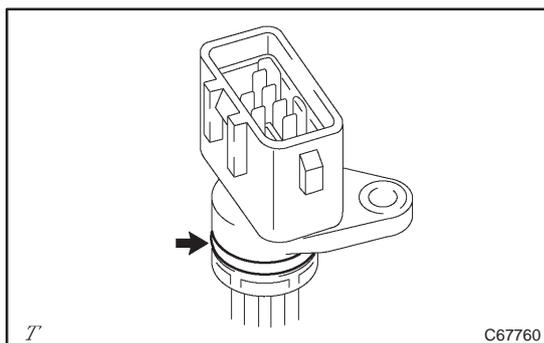
152. INSTALL TRANSAXLE CASE GASKET
[35145C / 3503]

- (a) Install a new transaxle case gasket.



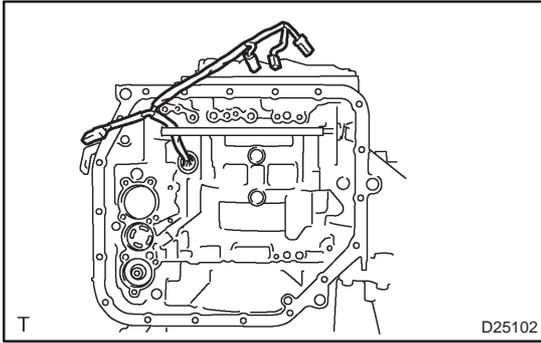
153. INSTALL TRANSAXLE CASE 2ND BRAKE GASKET
[35149B / 3503]

- (a) Install a new transmission case 2nd brake gasket.

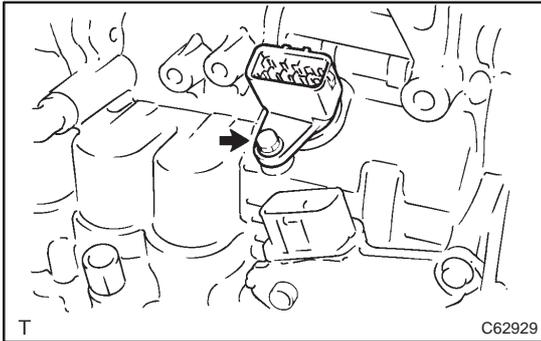


154. INSTALL TRANSMISSION WIRE
[82125J / 3512]

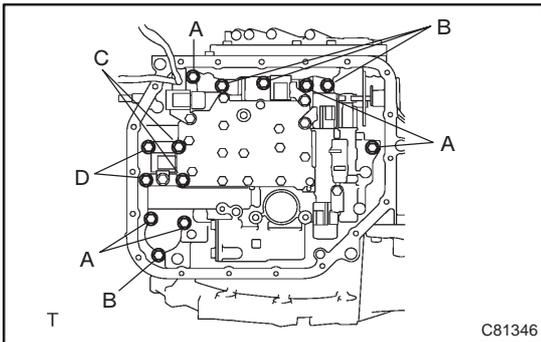
- (a) Coat a new O-ring with ATF, install it to the transaxle wire.



(b) Pierce the transmission wire to the transaxle.



(c) Install the bolt and transaxle wire.
Torque: 5.4 N·m (55 kgf·cm, 48 ft·lbf)



155. INSTALL TRANSMISSION VALVE BODY ASSY [35410 / 3512]

(a) Install the valve body assembly and 13 bolts.

Torque: 11 N·m (110 kgf·cm, 8 ft·lbf)

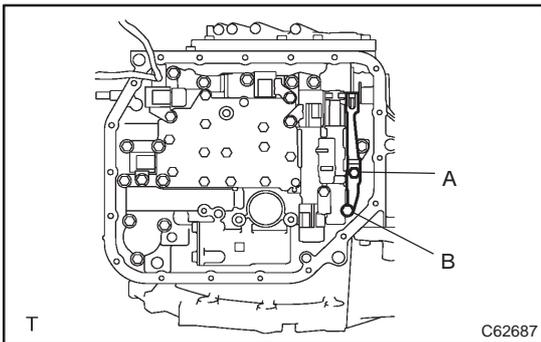
Bolt length:

Bolt A: 32 mm (1.26 in.)

Bolt B: 22 mm (0.87 in.)

Bolt C: 55 mm (2.17 in.)

Bolt D: 45 mm (1.77 in.)



(b) Install the detente spring, detente spring cover and 2 bolts.

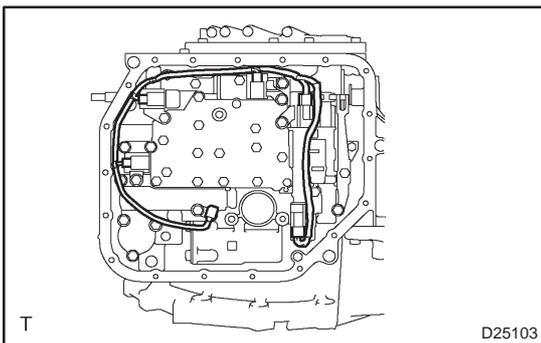
Torque: 11 N·m (110 kgf·cm, 8 ft·lbf)

Bolt length:

Bolt A: 14 mm (0.55 in.)

Bolt B: 45 mm (1.77 in.)

(c) Check that the manual valve lever is touching the center of the detente spring tip roller.



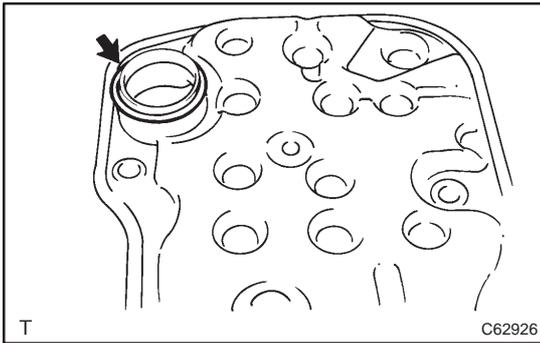
(d) Connect the 5 solenoid connectors.

(e) Coat a new O-ring with ATF, install it to the ATF temperature sensor.

(f) Install the ATF temperature sensor, lock plate and bolt.

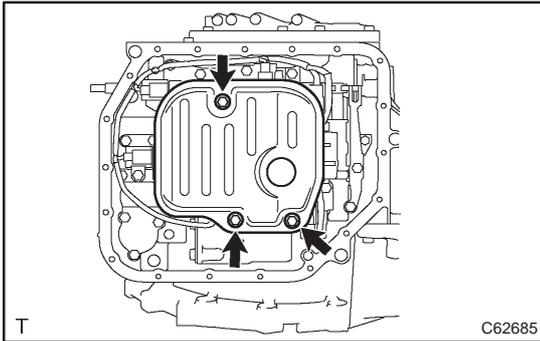
Torque: 11 N·m (110 kgf·cm, 8 ft·lbf)

Bolt length: 55 mm (2.17 in.)



156. INSTALL VALVE BODY OIL STRAINER ASSY [35330 / 3512]

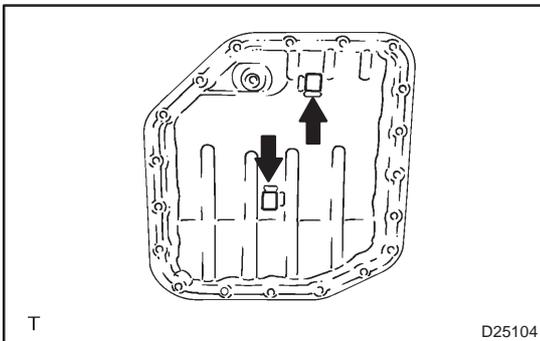
- (a) Coat a new O-ring with ATF, install it to the oil strainer.



- (b) Install the oil strainer and 3 bolts.
Torque: 11 N·m (110 kgf·cm, 8 ft·lbf)

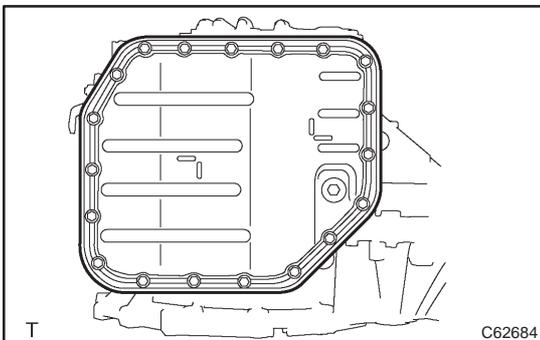
157. INSTALL AUTOMATIC TRANSAXLE OIL PAN GASKET [35168A / 3503]

- (a) Install the new gasket to the oil pan.

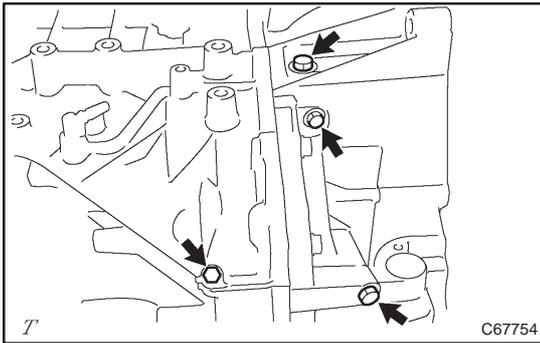


158. INSTALL AUTOMATIC TRANSAXLE OIL PAN SUB-ASSY [35106D / 3503]

- (a) Install the 2 magnets in the oil pan.

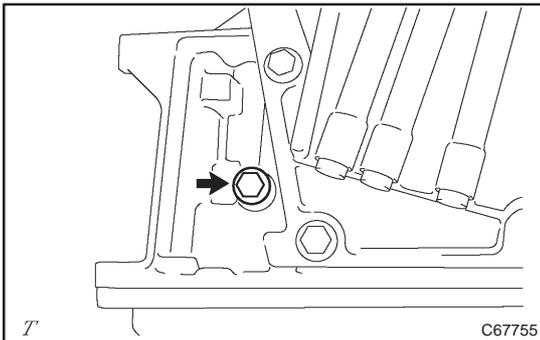


- (b) Install the oil pan sub-assy and 19 bolts.
Torque: 7.8 N·m (80 kgf·cm, 71 in·lbf)

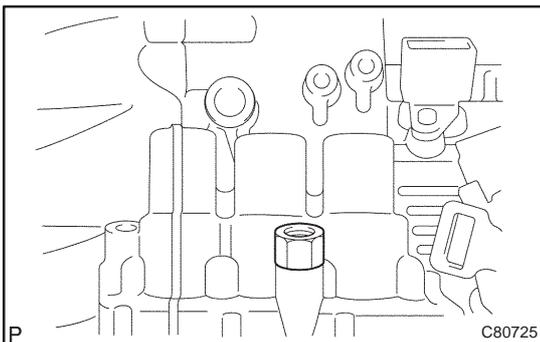


**159. INSTALL TRANSAXLE CASE NO.1 PLUG
[35104Q / 3503]**

- (a) Coat 5 new O-rings with ATF, install them to the screw plugs.
(b) Install the 4 screw plugs.
Torque: 7.4 N·m (75 kgf·cm, 65 in·lbf)

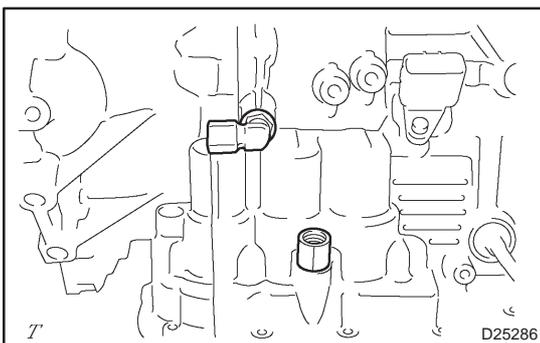


- (c) Install the screw plug.
Torque: 7.4 N·m (75 kgf·cm, 65 in·lbf)



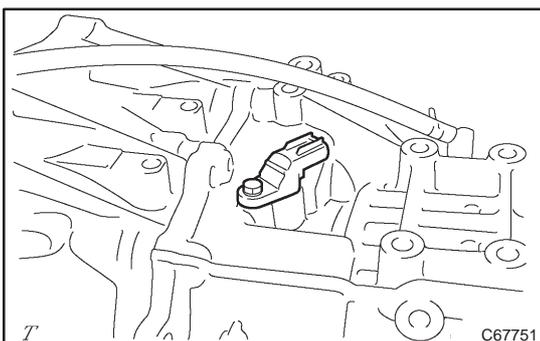
**160. INSTALL OIL COOLER TUBE UNION(INLET OIL COOLER UNION)
[32921C / 3514]**

- (a) coat 2 new O-rings with ATF, install them to the union.
(b) Install the union.
Torque: 27 N·m (275 kgf·cm, 20 ft·lbf)



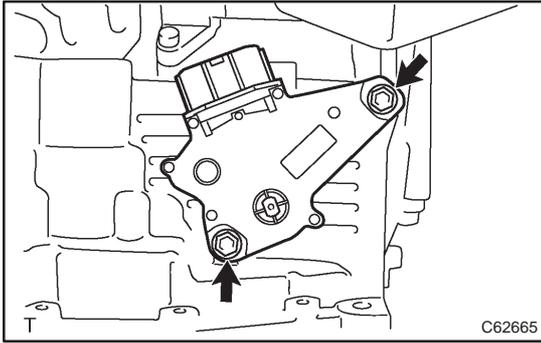
**161. INSTALL OIL COOLER TUBE UNION(OUTLET OIL COOLER UNION)
[32921C / 3514]**

- (a) coat 2 new O-rings with ATF, install them to the elbow.
(b) Install the elbow.
Torque: 27 N·m (275 kgf·cm, 20 ft·lbf)



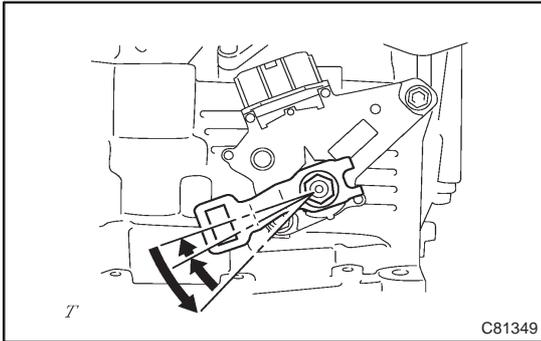
**162. INSTALL TRANSMISSION REVOLUTION SENSOR
[89413E / 3512]**

- (a) Install the bolt and transmission revolution sensor.
Torque: 5.4 N·m (55 kgf·cm, 48 in·lbf)

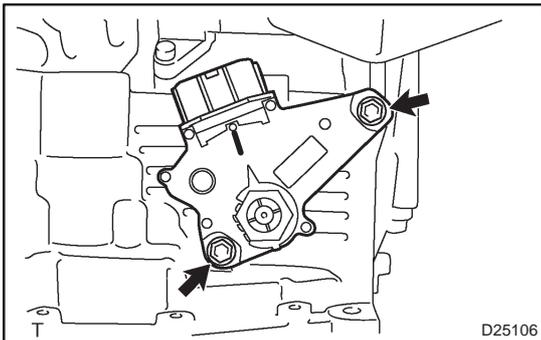


163. INSTALL NEUTRAL START SWITCH ASSY [84540G / 3513]

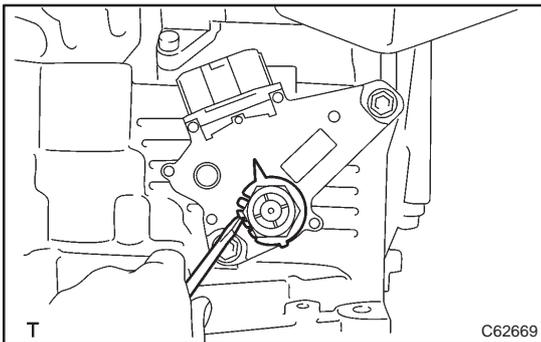
- (a) Install the park/neutral position switch onto the manual valve lever shaft and temporarily install the 2 adjusting bolts.
- (b) Install a new lock washer and nuts.
Torque: 6.9 N·m (70 kgf·cm, 61 in·lbf)
- (c) Temporarily install the control lever.



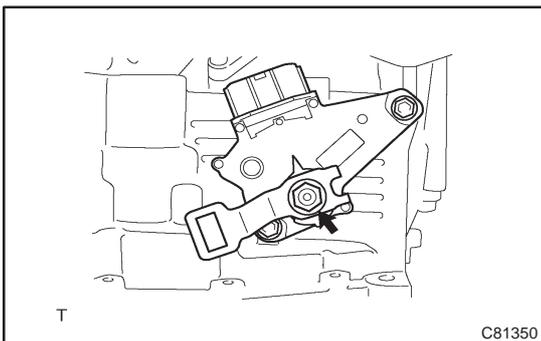
- (d) Turn the lever counterclockwise until it stops, then turn it clockwise 2 notches.
- (e) Remove the control lever.



- (f) Align the groove with neutral basic line.
- (g) Tighten the 2 bolts.
Torque: 5.4 N·m (55 kgf·cm, 48 in·lbf)



- (h) Using a screwdriver, stake the nut with the lock washer.



- (i) Install the control lever, washer and nut.
Torque: 13 N·m (130 kgf·cm, 10 ft·lbf)

164. **INSTALL SPEEDOMETER DRIVEN (ATM) GEAR SUB-ASSY**
[33403G / 3505]
165. **INSTALL SPEEDOMETER (ATM) SENSOR**
[83181E / 3505]