COMPONENT PARTS INSTALLATION

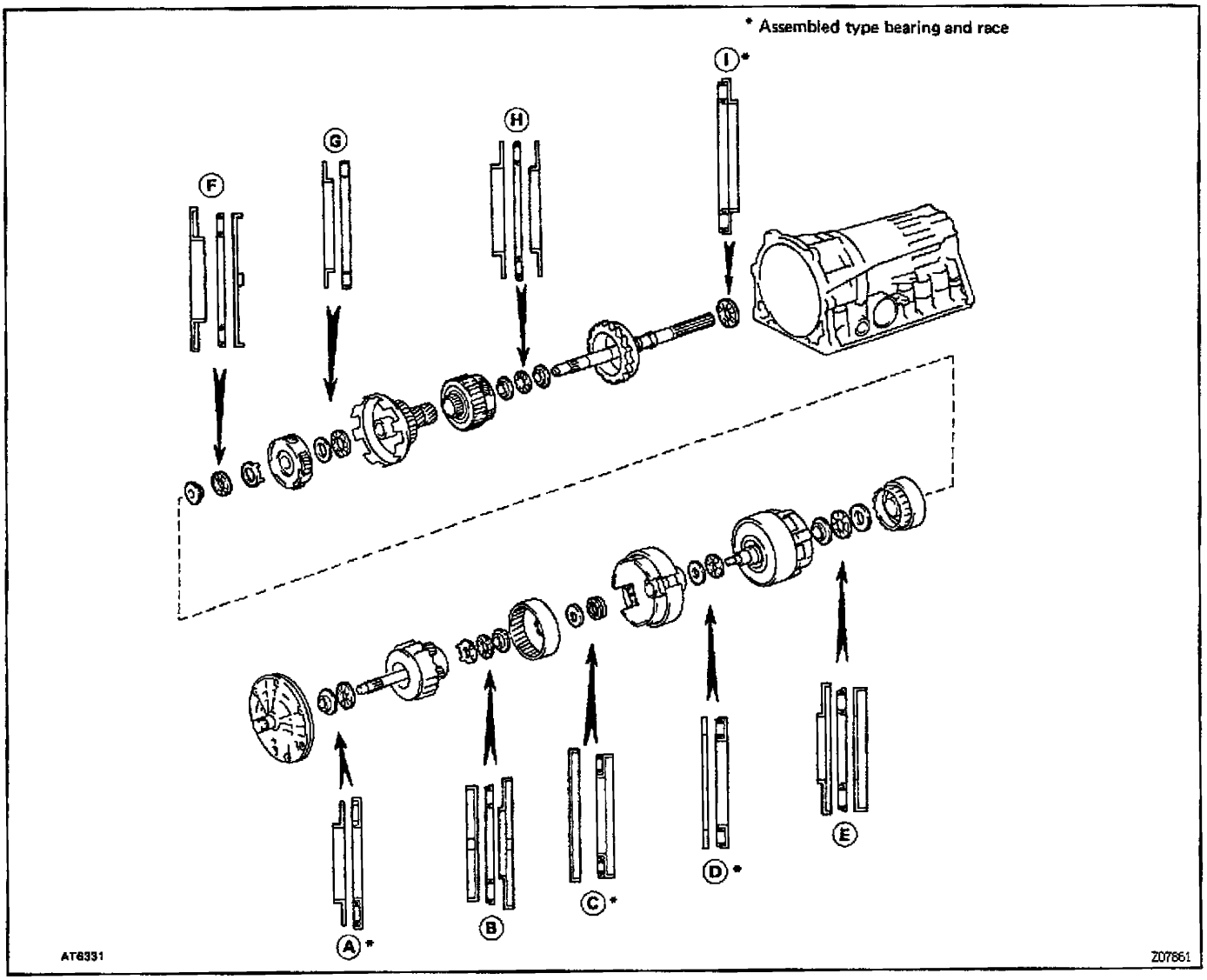
AT06L–04

Disassembly, inspection and assembly of each component group have been indicated in the preceding chapter. Before assembly, make sure again that all component groups are assembled correctly.
If something wrong is found in a certain component group during assembly, inspect and repair this group immediately.
Recommended ATF:
DEXRON® II

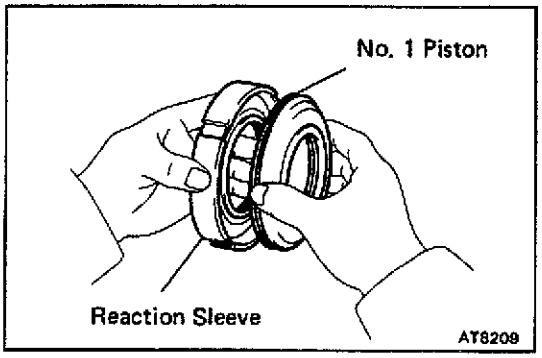
GENERAL NOTES:

1. The automatic transmission is composed of highly precision–finished parts, necessitating careful inspection before assembly because even a small nick could cause fluid leakage or affect performance.
2. Before assembling new clutch discs, soak them in automatic transmission fluid for at least 15 minutes.
3. Apply automatic transmission fluid on sliding or rotating surfaces of parts before assembly.
4. Use petroleum jelly to keep small parts in their place.
5. Do not use adhesive cements on gaskets and similar parts.
6. When assembling the transmission, be sure to use new gaskets and O–rings.
7. Dry all parts with compressed air – never use shop rags.
8. When working with FIPG material, you must observe the following.
   - Using a razor blade and gasket scraper, remove all the old packing (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.
   - Parts must be assembled within 10 minutes of application. Otherwise, the packing (FIPG) material must be removed and reapplied.

BEARINGS AND RACES INSTALLATION POSITION AND DIRECTION



Mark	Front Race Diameter Inside / Outside mm (in.)	Thrust Bearing Diameter Inside / Outside mm (in.)	Rear Race Diameter Inside / Outside mm (in.)
Ⓐ	28.1 (1.106) / 47.3 (1.862)	28.9 (1.138) / 50.2 (1.976)	–
Ⓑ	27.3 (1.075) / 41.8 (1.646)	26.0 (1.024) / 46.8 (1.843)	24.2 (0.953) / 47.8 (1.882)
Ⓒ	37.2 (1.465) / 58.8 (2.315)	33.7 (1.327) / 50.1 (1.972)	–
Ⓓ	36.8 (1.449) / 50.9 (2.004)	33.7 (1.327) / 47.6 (1.874)	–
Ⓔ	26.0 (1.024) / 48.9 (1.925)	26.0 (1.024) / 46.7 (1.839)	26.8 (1.055) / 47.0 (1.850)
Ⓕ	30.6 (1.205) / 53.6 (2.110)	32.6 (1.283) / 47.7 (1.878)	34.3 (1.350) / 47.8 (1.882)
Ⓖ	33.7 (1.327) / 47.6 (1.874)	35.5 (1.398) / 47.7 (1.878)	–
Ⓗ	28.8 (1.134) / 44.8 (1.764)	30.1 (1.185) / 44.7 (1.760)	28.7 (1.094) / 44.8 (1.764)
Ⓘ	–	39.2 (1.543) / 57.7 (2.272)	–

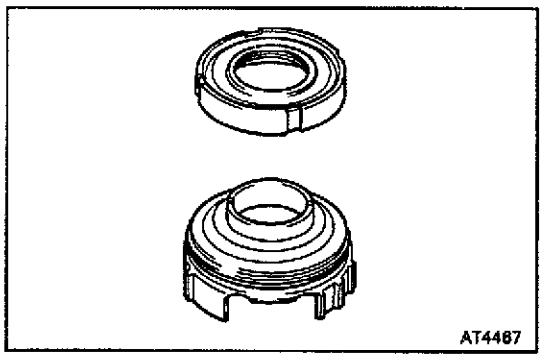


TRANSMISSION INSTALLATION

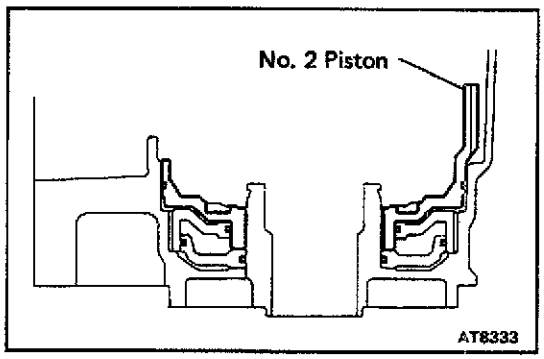
AT0GU–02

1. INSTALL COMPONENTS OF FIRST AND REVERSE BRAKE PISTON

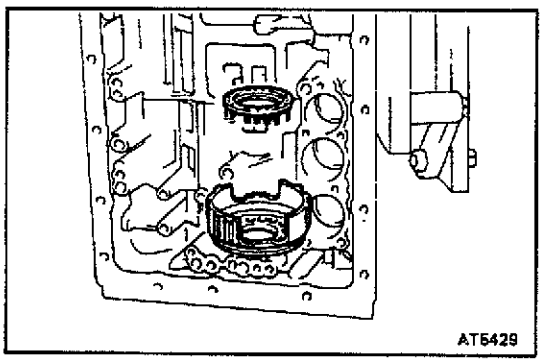
(a) Coat the 3 new O–rings with ATF.
(b) Install the 2 O–rings on the No.1 piston.
(c) Install the O–ring on the reaction sleeve.
(d) Install the No.1 piston to the reaction sleeve.



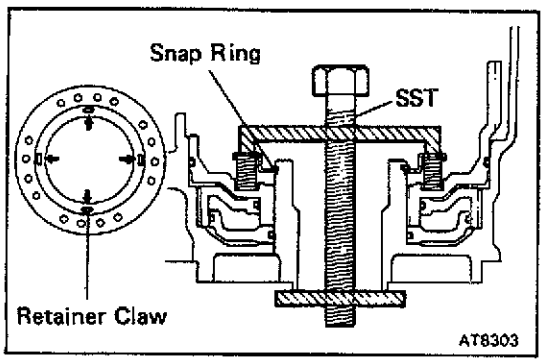
(e) Coat a new O–ring with ATF and install it on the No. 2 piston.
(f) Install the No.1 piston with the reaction sleeve onto the No.2 piston.



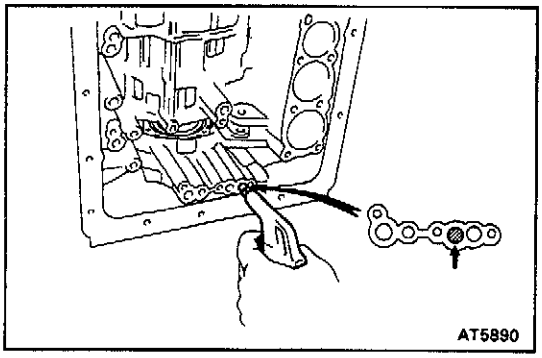
(g) Align the teeth of the No.2 piston into the proper grooves.
(h) Being careful not to damage the O–rings, press in the No.2 and No.1 first and reverse brake pistons into the transmission case.



(i) Place the piston return spring onto the No.2 piston.



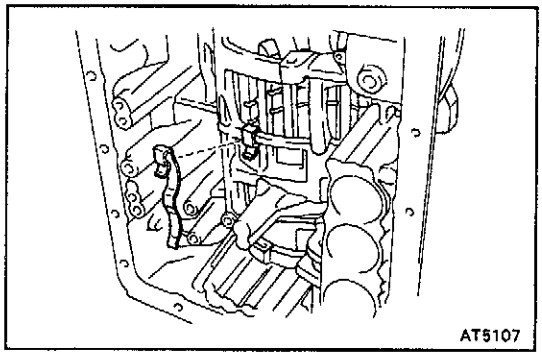
(j) Set SST as shown, and compress the return spring with SST.
SST 09350–30020 (09350–07050)
(k) Install the snap ring with a screwdriver. Be sure the end gap of the snap ring is not aligned with the spring retainer claw.



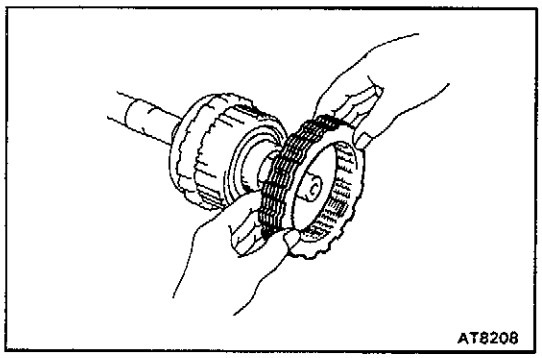
2. CHECK PISTON STROKE OF FIRST AND REVERSE BRAKE

Make sure the first and reverse brake pistons move smoothly when applying and releasing the compressed air into the transmission case.

AT



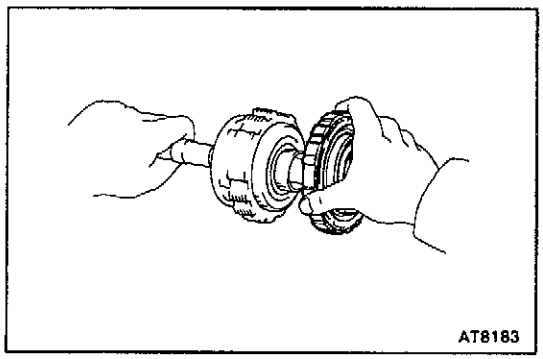
3. INSTALL LEAF SPRING



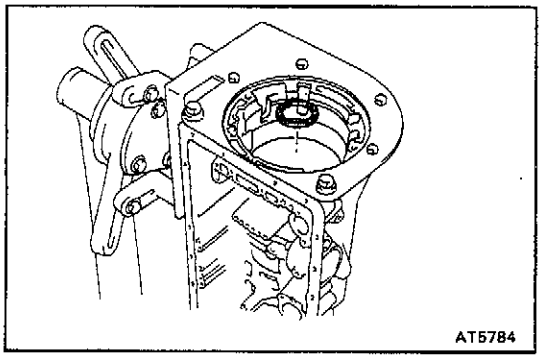
4. INSTALL REAR PLANETARY GEAR UNIT WITH SECOND BRAKE DRUM, FIRST AND REVERSE BRAKE PACK AND OUTPUT SHAFT

(a) Install the flange, the rounded edge facing forward.

(b) Reinstall the plates and discs.
Install in order: P = Plate D = Disc
D–P–D–P–D–P–D–P–D–P



(c) Install the second brake drum assembly.

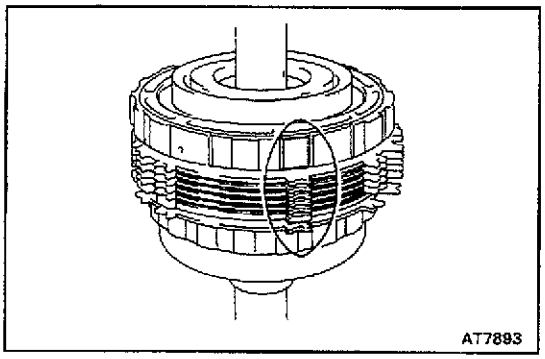


(d) Coat the assembled bearing and race with petroleum jelly and install it onto the case.

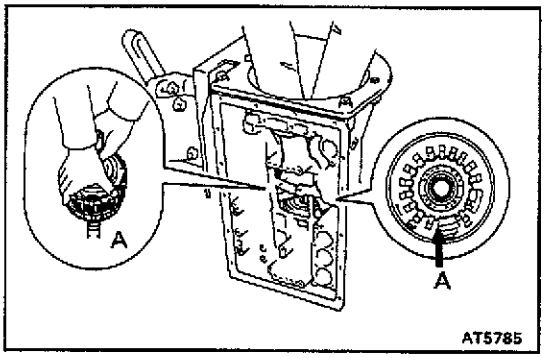
Assembled bearing and race diameter

mm (in.)

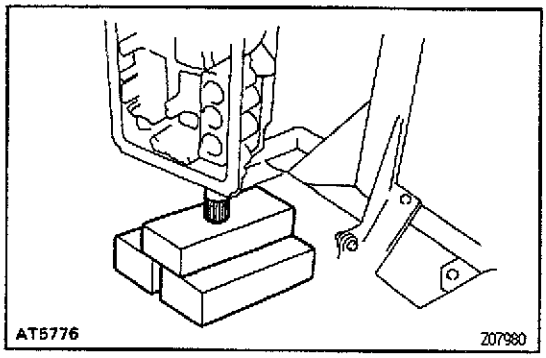
	Inside	Outside
Assembled bearing and race	39.2 (1.543)	57.7 (2.272)



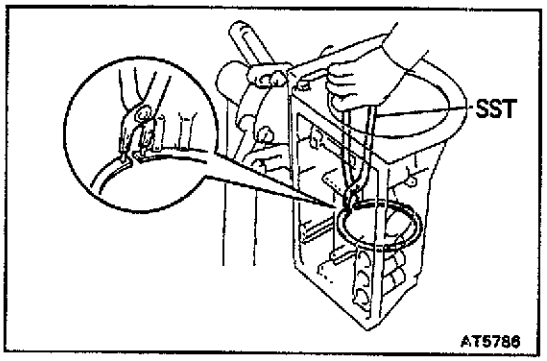
(e) Align the teeth of the second brake drum, flange, discs and plates.



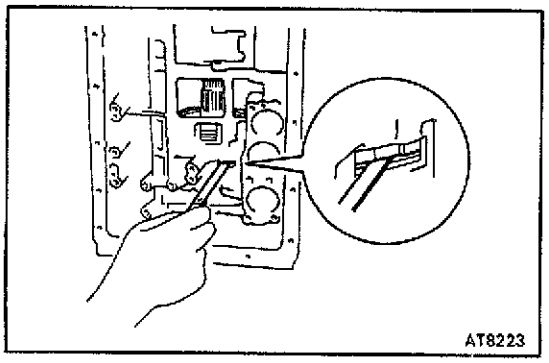
(f) Align the splines of the transmission case and the assembled rear planetary gear, second brake drum, first and reverse brake pack and output shaft, indicated by A.



(g) Hold the output shaft with wooden blocks or equivalents.



(h) Using SST, install the snap ring.
SST 09350–30020 (09350–07060)



5. CHECK PACK CLEARANCE OF FIRST AND REVERSE BRAKE

Using a feeler gauge, measure the clearance between the plate and second brake drum.

Clearance:

0.50 – 1.02 mm (0.0197 – 0.0402 in.)

If the values are non–standard, select another flange.

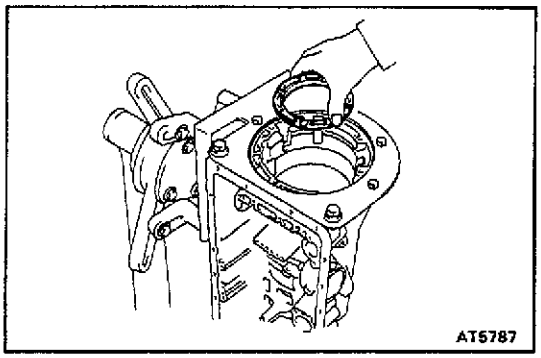
HINT: There are 6 defferent thicknesses for the flange.

Flange thickness

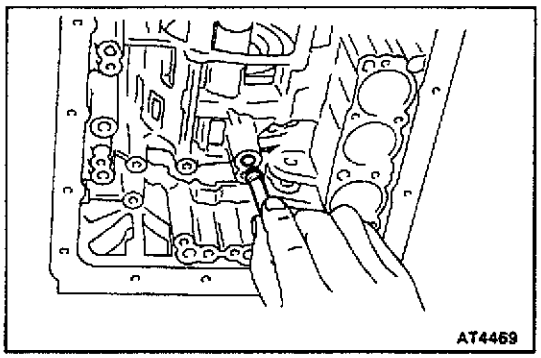
mm (in.)

No.	Thickness	No.	Thickness
50	5.0 (0.197)	53	4.4 (0.173)
51	4.8 (0.189)	54	4.2 (0.165)
52	4.6 (0.181)	55	4.0 (0.157)

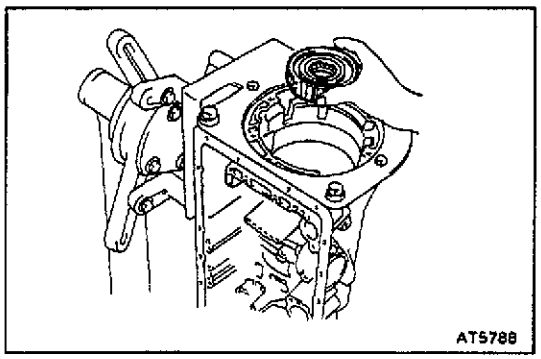
AT



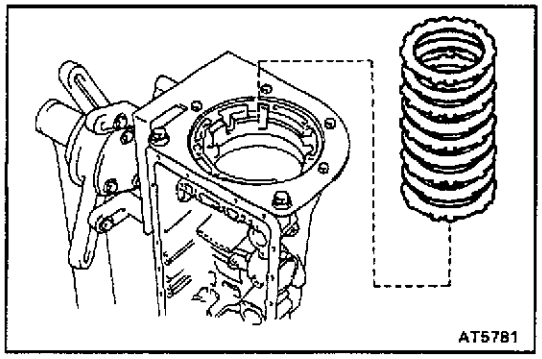
6. INSTALL SECOND BRAKE PISTON SLEEVE



7. INSTALL NEW BRAKE DRUM GASKET



8. INSTALL NO.1 ONE–WAY CLUTCH



9. INSTALL FLANGE, PLATES AND DISCS OF SECOND BRAKE

(a) Install the plate with the rounded edge side of the plate facing the discs.

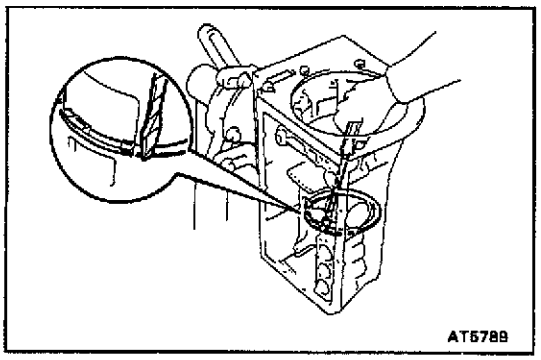
Plate thickness:

2.5 mm (0.098 in.)

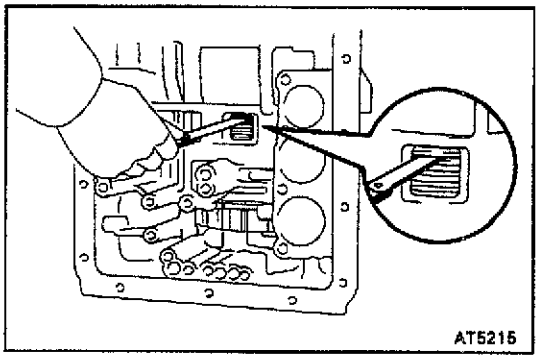
(b) Install the plates and discs.

Install in order: P = Plate D = Disc

D–P–D–P–D–P–D–P



(c) Using a screwdriver, install the snap ring.



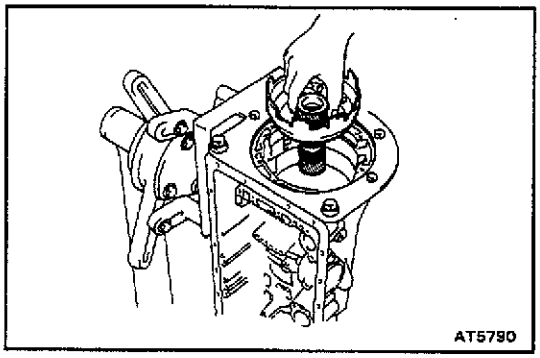
10. CHECK PACK CLEARANCE OF SECOND BRAKE

Using a feeler gauge, measure the clearance between the snap ring and flange.

Clearance:

0.50 — 1.76 mm (0.0197 — 0.0693 in.)

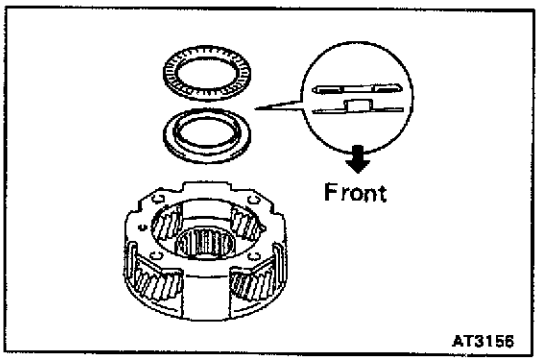
If the values are non—standard, check for an improper installation.



11. INSTALL PLANETARY SUN GEAR

While turning the planetary sun gear clockwise, install it into the No.1 one—way clutch.

HINT: Confirm the thrust washer is installed correctly.



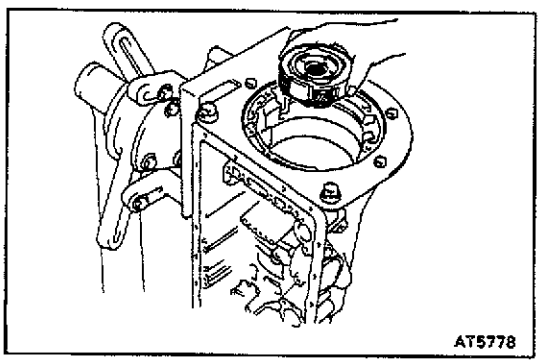
12. INSTALL FRONT PLANETARY GEAR

(a) Coat the bearing and race with petroleum jelly and install them onto the front planetary gear.

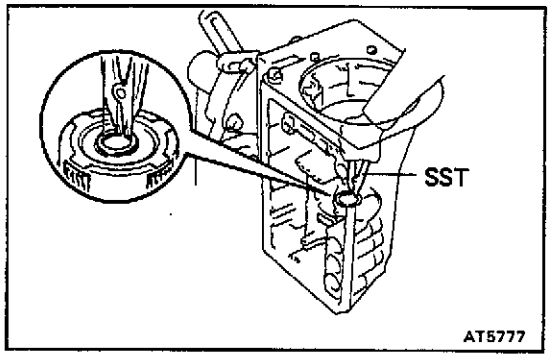
Bearing and race diameter

mm (in.)

	Inside	Outside
Bearing	35.5 (1.398)	47.7 (1.878)
Race	33.7 (1.327)	47.6 (1.874)

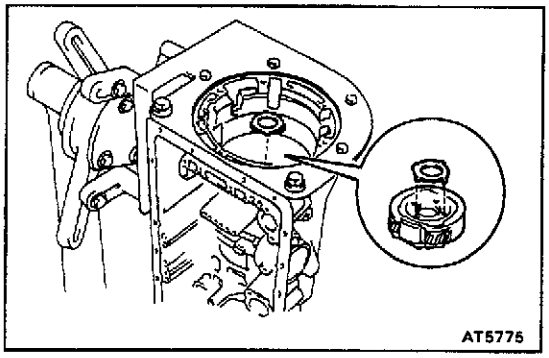


(b) Install the front planetary gear to the sun gear.



(c) Using SST, install the snap ring.
SST 09350–30020 (09350–07070)

(d) Remove the wooden blocks or equivalent under the output shaft.

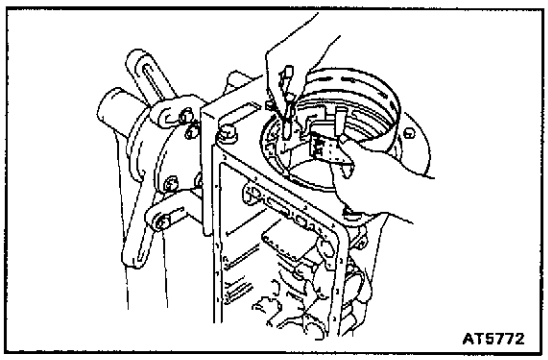


(e) Coat the bearing race with petroleum jelly and install it onto the front planetary gear.

Race diameter

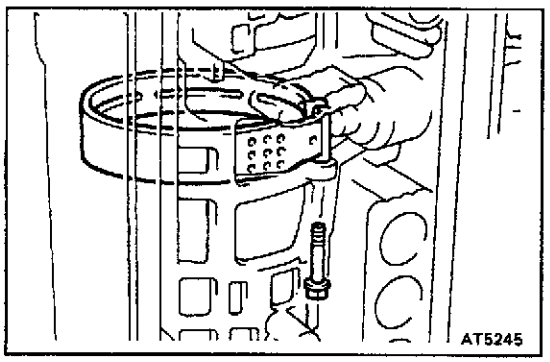
mm (in.)

	Inside	Outside
Race	34.3 (1.350)	47.8 (1.882)

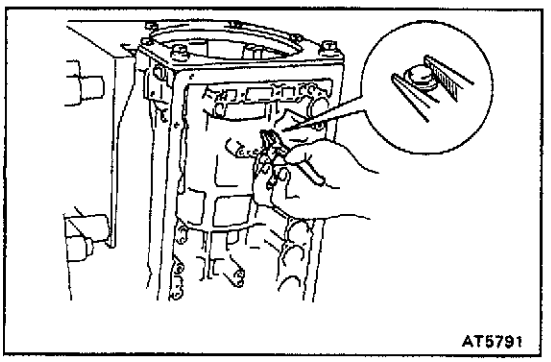


13. INSTALL SECOND COAST BRAKE BAND

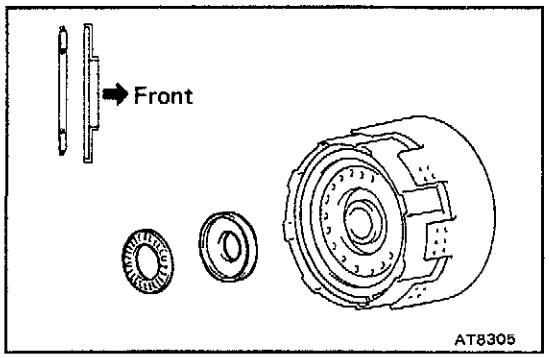
(a) Install the second coast brake band to the case.



(b) Install the pin through the brake band.



(c) Using needle–nose pliers, install the E–ring to the pin.



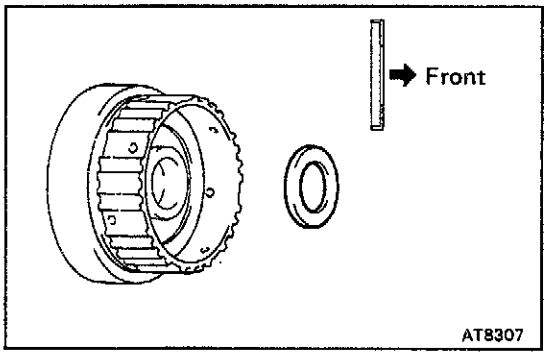
14. INSTALL FRONT PLANETARY RING GEAR TO FORWARD AND DIRECT CLUTCH

(a) Coat the bearing and race with petroleum jelly and install them onto the forward clutch.

Bearing and race diameter

mm (in.)

	Inside	Outside
Bearing	26.0 (1.024)	46.7 (1.839)
Race	26.0 (1.024)	48.9 (1.925)



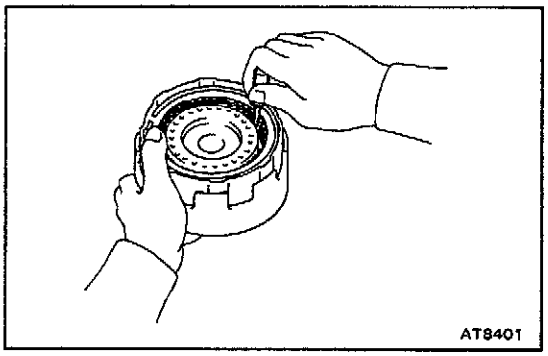
(b) Coat the race with petroleum jelly and install it onto the front planetary ring gear.

Race diameter

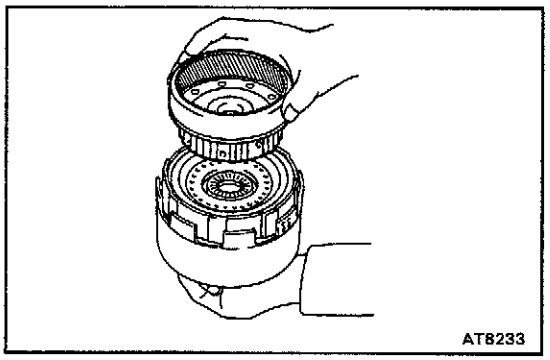
mm (in.)

	Inside	Outside
Race	26.8 (1.055)	47.0 (1.850)

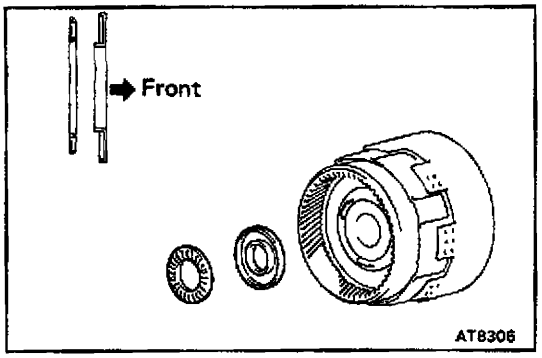
AT



(c) Align the flukes of the discs in the forward clutch.



(d) Align the splines of the front planetary ring gear with the flukes of the discs and install the front planetary ring gear to the forward clutch.



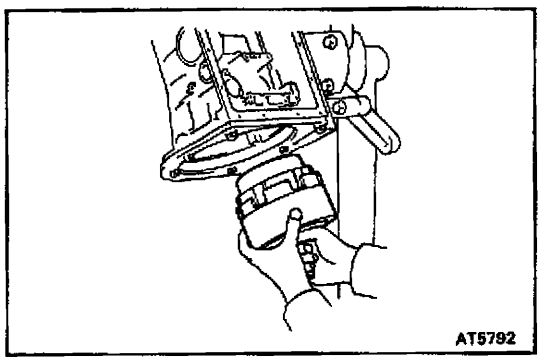
15. INSTALL ASSEMBLED DIRECT CLUTCH, FORWARD CLUTCH AND FRONT PLANETARY RING GEAR INTO CASE

(a) Coat the bearing and race with petroleum jelly and install them onto the ring gear.

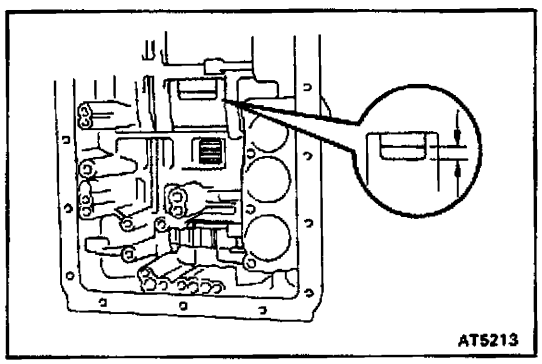
Bearing and race diameter

mm (in.)

	Inside	Outside
Bearing	32.6 (1.283)	47.7 (1.878)
Race	30.6 (1.205)	53.6 (2.110)



(b) Install the assembled direct clutch, forward clutch and front planetary ring gear into the transmission case.

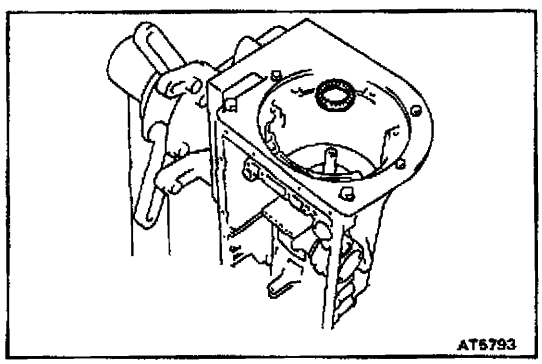


(c) Using vernier calipers, measure the distance between the sun gear input drum and direct clutch drum.

Height:

5.3 – 7.3 mm (0.209 – 0.287 in.)

If the values are non–standard, check for an improper installation.

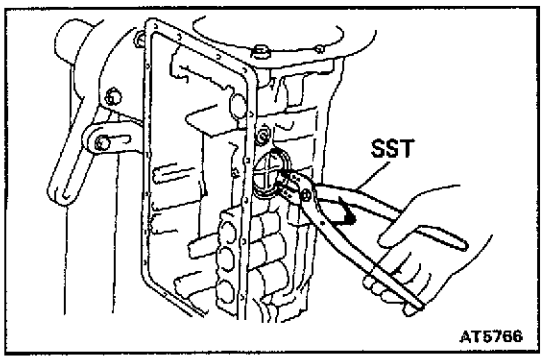


(d) Coat the assembled bearing and race with petroleum jelly and install it onto the forward clutch.

Assembled bearing and race diameter

mm (in.)

	Inside	Outside
Assembled bearing and race	33.7 (1.327)	47.6 (1.874)

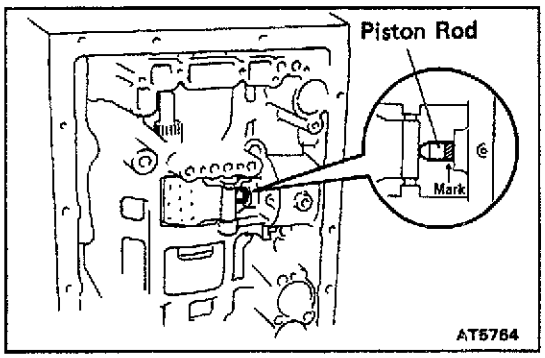


16. INSTALL SECOND COAST BRAKE COVER, PISTON ASSEMBLY AND SPRING

(a) Coat the 2 new O–rings with ATF and install them to the cover.

(b) Install the spring, piston assembly and cover to the case.

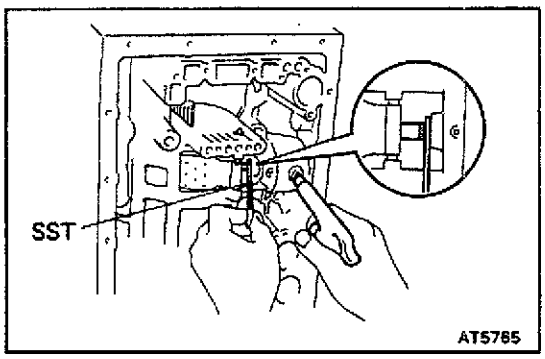
(c) Using SST, install the snap ring.
SST 09350–30020 (09350–07060)



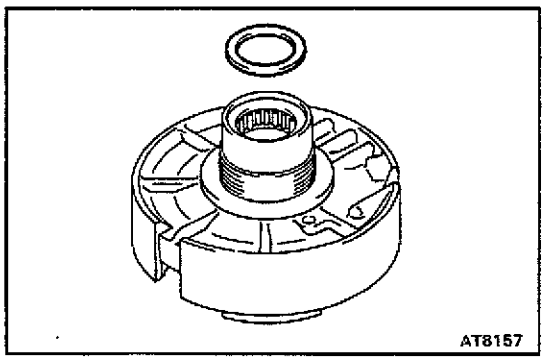
17. CHECK PISTON ROD STROKE OF SECOND COAST BRAKE

AT

(a) Place a mark on the second coast brake piston rod.



(b) Using SST, measure the stroke while applying and releasing compressed air (392–785 kPa, 4–8 kgf/cm², 57–114 psi).
SST 09240–00020
Piston rod stroke:
1.5 – 3.0 mm (0.059 – 0.118 in.)
If it is still more than standard value, replace the brake band with a new one.

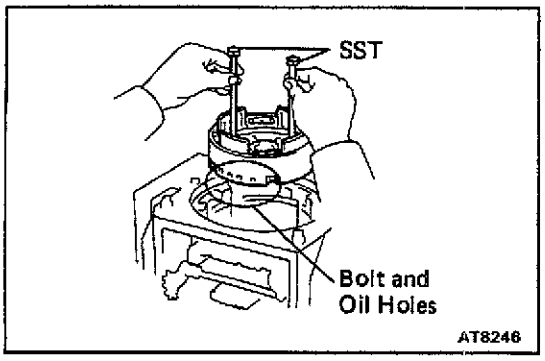


18. INSTALL OVERDRIVE SUPPORT ASSEMBLY

(a) Coat the race with petroleum jelly and install it onto the overdrive support assembly.
Race diameter

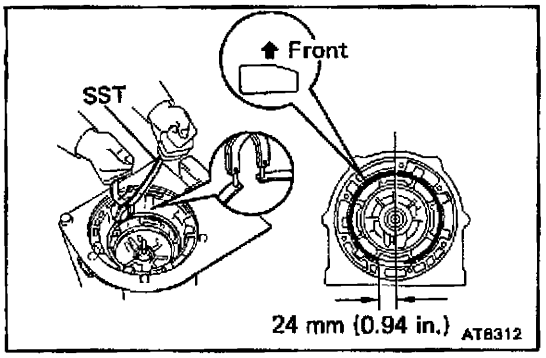
mm (in.)

	Inside	Outside
Race	36.8 (1.449)	50.9 (2.004)

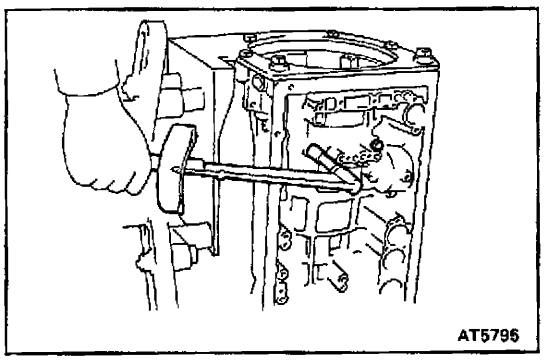


(b) Using 2 bolts of SST, aim the bolt and oil holes of the overdrive supprt toward the valve body side, and align them with the bolt holes of the transmission case and insert.
SST 09350–30020 (09350–07020)

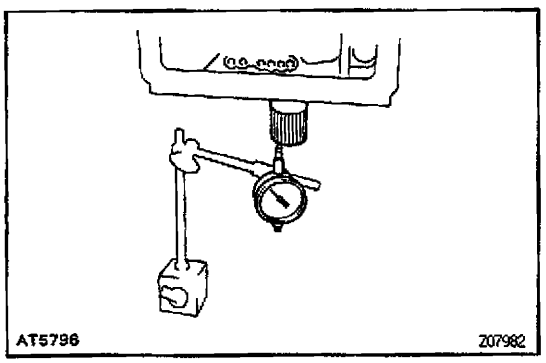
(c) Temporarily tighten the 2 bolts.



(d) Using SST, install the snap ring.
SST 09350–30020 (09350–07060)
HINT: Install the snap ring open end toward the valve body.



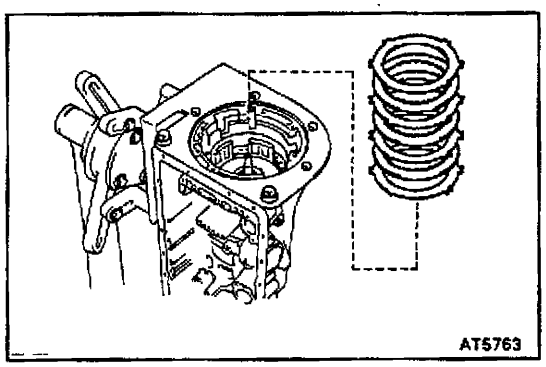
(e) Torque the 2 bolts.
Torque: 25 N·m (260 kgf·cm, 19 ft·lbf)



19. CHECK OUTPUT SHAFT

(a) Using a dial indicator, measure the end play of the output shaft with hand.
End play:
0.27 – 0.86 mm (0.0106 – 0.0339 in.)
If the values are non–standard, check for an improper installation.

(b) Check to see that output shaft rotates smoothly.



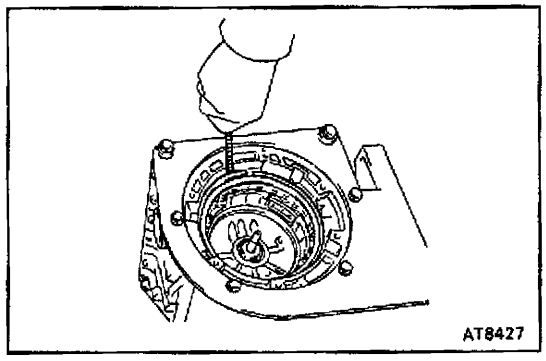
20. INSTALL FLANGES, PLATES AND DISCS OF OVER-DRIVE BRAKE

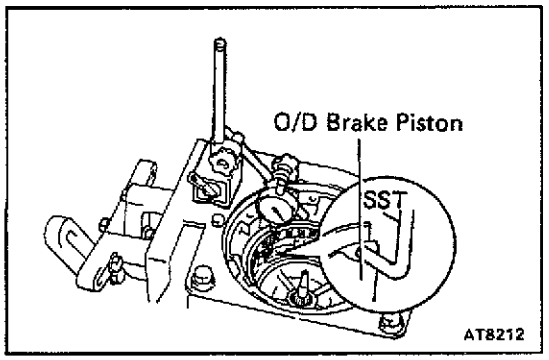
(a) Install the 4.0 mm (0.157 in.) thick flange (flat ring) with the rounded edge side of the flange facing the discs.

(b) Install the plates and discs.
Install in order: P = Plate D = Disc
D–P–D–P–D

(c) Install the flange (stepped ring) with the flat side of the flange facing the disc.

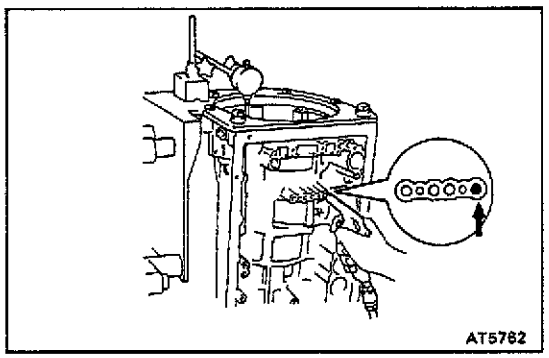
(d) Using a screwdriver, install the snap ring.





21. CHECK PISTON STROKE OF OVERDRIVE BRAKE

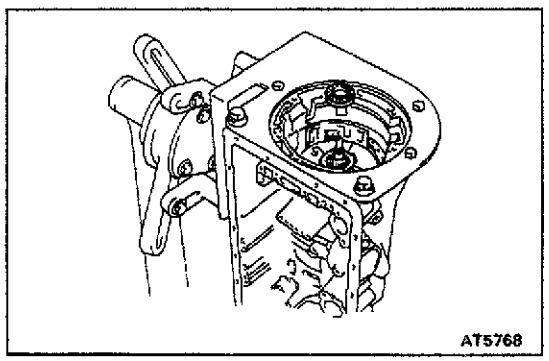
(a) Place SST and a dial indicator onto the overdrive brake piston.
SST 09350–30020 (09350–06120)



(b) Measure the stroke while applying and releasing compressed air (392–785 kPa, 4–8 kgf/cm², 57–114 psi).
Piston stroke:
1.32 – 1.62 mm (0.0520 – 0.0638 in.)
If the piston stroke is less than the limit, parts may have been assembled incorrectly, check and reassemble again.
If the piston stroke is nonstandard, select another flange.
HINT: There are 7 different thicknesses for the flange.
Flange thickness

mm (in.)

No.	Thickness	No.	Thickness
77	3.3 (0.130)	81	3.8 (0.150)
78	3.5 (0.138)	82	3.9 (0.154)
79	3.6 (0.142)	None	4.0 (0.157)
80	3.7 (0.146)	–	–

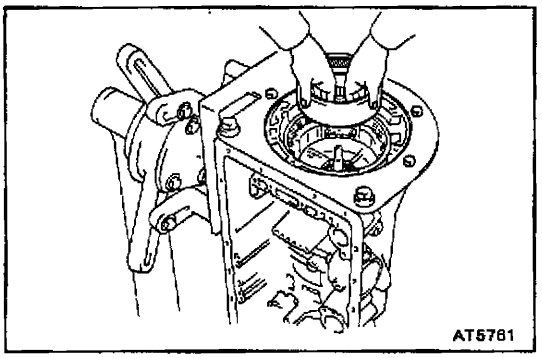


22. INSTALL OVERDRIVE PLANETARY GEAR UNIT WITH OVERDRIVE DIRECT CLUTCH AND ONE-WAY CLUTCH

(a) Coat the assembled bearing and race with petroleum jelly and install it onto the overdrive support.
Assembled bearing and race diameter

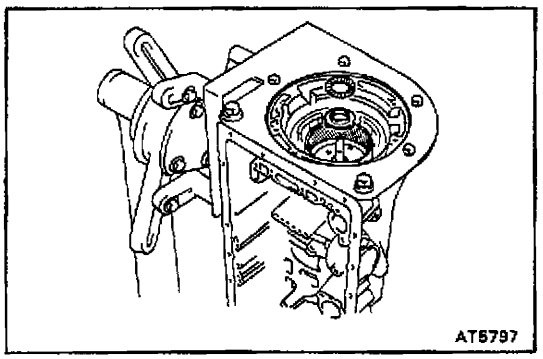
mm (in.)

	Inside	Outside
Assenbled bearing and race	37.2 (1.465)	58.8 (2.315)



(b) Install the overdrive planetary ring gear.

AT

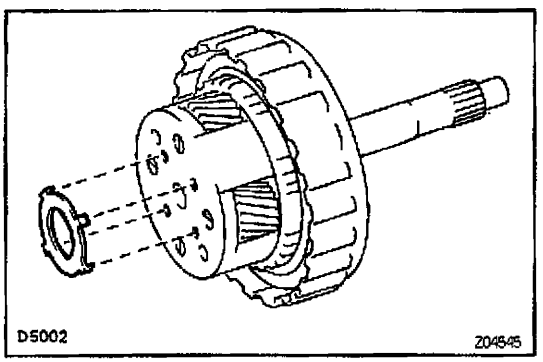


(c) Coat the bearing and race with petroleum jelly and install them onto the planetary ring gear.

Bearing and race diameter

mm (in.)

	Inside	Outside
Bearing	26.0 (1.024)	46.8 (1.843)
Race	24.2 (0.953)	47.8 (1.882)

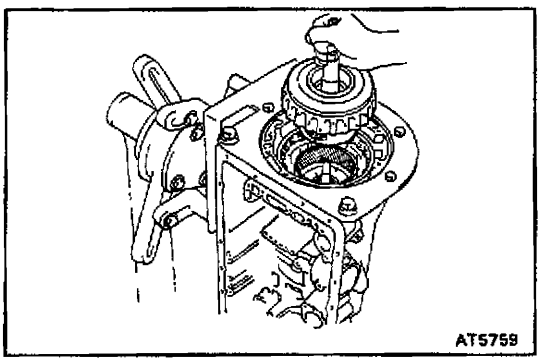


(d) Coat the race with petroleum jelly and install it onto the planetary gear.

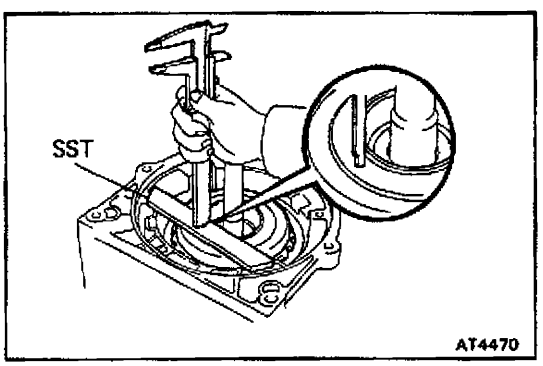
Race diameter

mm (in.)

	Inside	Outside
Race	27.1 (1.067)	41.8 (1.646)



(e) Install the overdrive planetary gear with the overdrive direct clutch and one–way clutch.



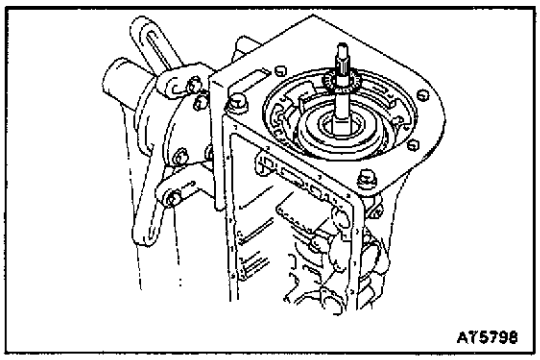
(f) Place SST on the transmission case.
SST 09350–36010 (09350–06090)

(g) Using calipers, measure distance between the tops of SST and the clutch drum.

Standard distance:

15.5 – 16.5 mm (0.610 – 0.650 in.)

If the values are non–standard, check for an improper installation.

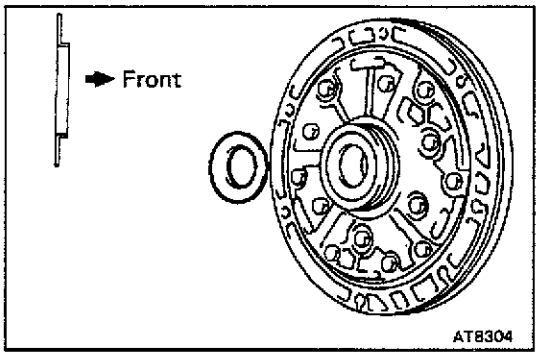


(h) Coat the assembled bearing and race with petroleum jelly and install it onto the O/D direct clutch.

Assembled bearing and race diameter

mm (in.)

	Inside	Outside
Assembled bearing and race	28.9 (1.138)	50.2 (1.976)



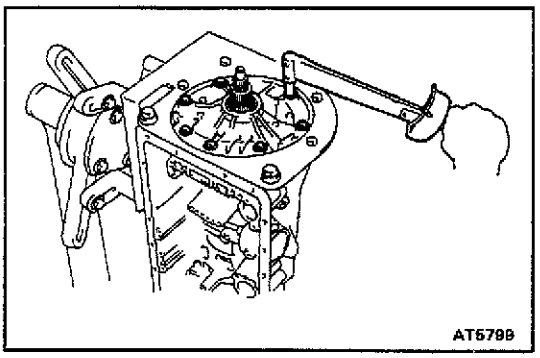
23. INSTLL OIL PUMP INTO CASE

(a) Coat the race with petroleum jelly and install it onto the oil pump.

Bearing diameter

mm (in.)

	Inside	Outside
Race	28.1 (1.106)	47.3 (1.862)



(b) Coat a new O–ring with ATF and install it around the pump body.

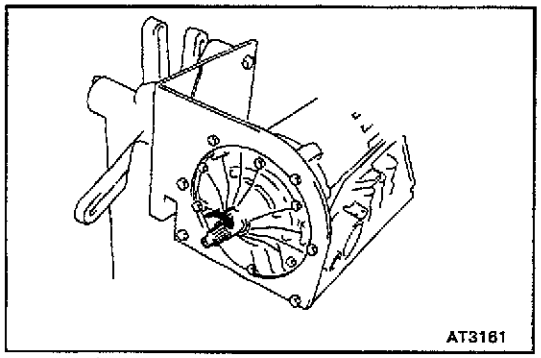
(c) Place the oil pump through the input shaft, and align the bolt holes of the pump body with the transmission case.

(d) Hold the input shaft, and lightly press the oil pump body to slide the oil seal rings into the O/D direct clutch drum.

NOTICE: Do not push on the oil pump strongly, or the oil seal ring will stick to the direct clutch drum.

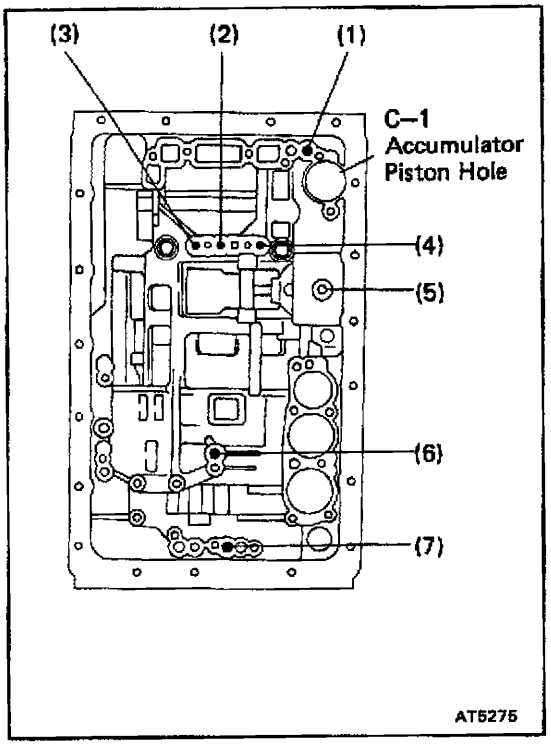
(e) Install the 7 bolts.

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



24. CHECK INPUT SHAFT ROTATION

Make sure the input shaft rotates smoothly.



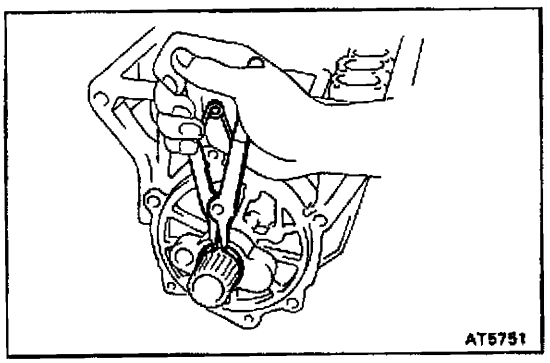
25. INDIVIDUAL PISTON OPERATION INSPECTION

Check for the sound of operation while applying compressed air into the oil hole indicated in the illustration.

HINT: When inspecting the O/D direct clutch, check with the C_0 accumulator piston hole closed.

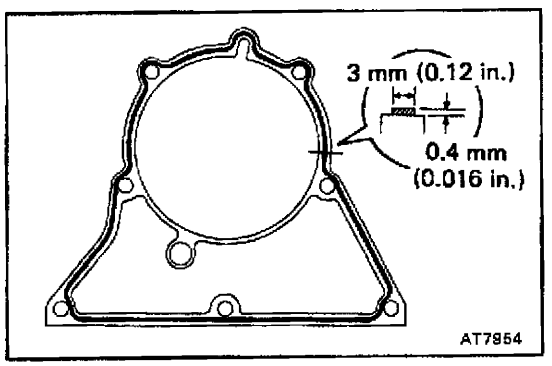
If there is no noise, disassemble and check the installation condition of the parts.

(1) O/D direct clutch
(2) Direct clutch
(3) Forward clutch
(4) O/D brake
(5) Second coast brake
(6) Second brake
(7) First and reverse brake



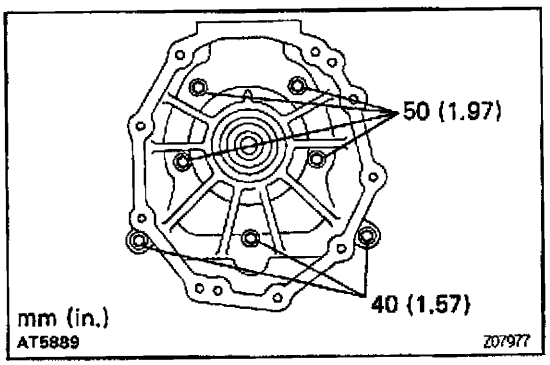
26. INSTALL SPEED SENSOR ROTOR AND KEY

(a) Install the key on the output shaft.
(b) Align the groove of the sensor rotor with the key, install the sensor rotor.
(c) Using snap ring pliers, install the snap ring.

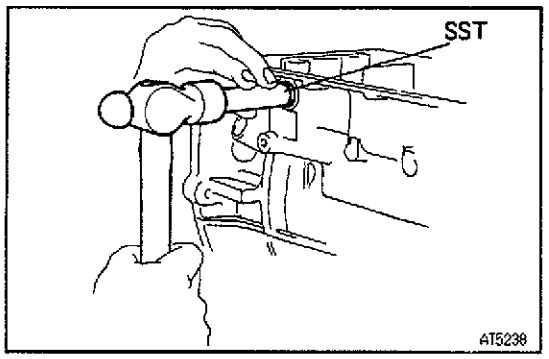


27. INSTALL TRANSFER CASE

(a) Clean contacting surface of any residual packing material using gasoline alcohol.
(b) Apply seal packing to the case.
Seal packing:
Part No. 08826–00090, THREE BOND 1281 or equivalent



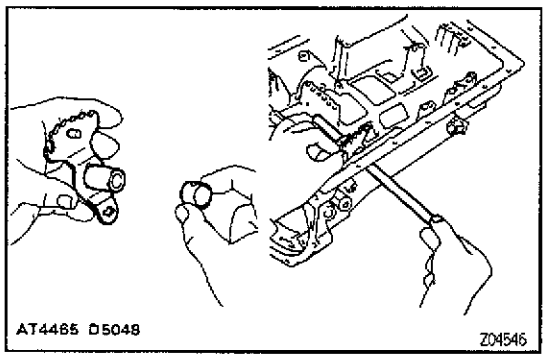
(c) Install the case and torque the 7 bolts.
Torque: 34 N·m (345 kgf·cm, 25 ft·lbf)
HINT: Each bolt length is indicated in the illustration.



28. INSTALL MANUAL VALVE LEVER, SHAFT AND OIL SEALS

(a) Using SST and a hammer, drive in the 2 new oil seals.
SST 09350–30020 (09350–07110)

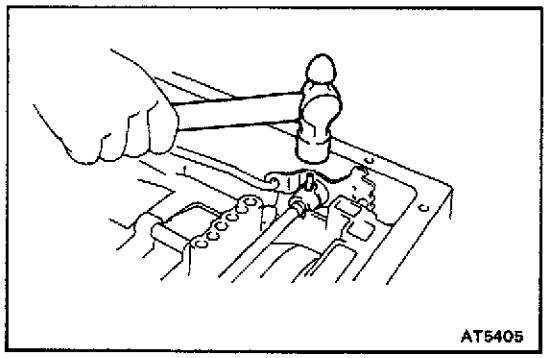
(b) Coat the oil seal lip with MP grease.



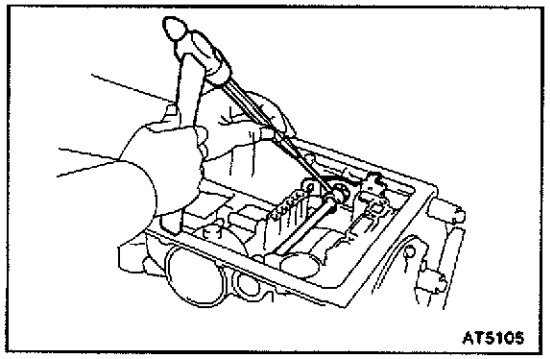
(c) Install a new spacer to the manual valve lever.

(d) Install the manual valve lever shaft to the transmission case through the manual valve lever.

AT

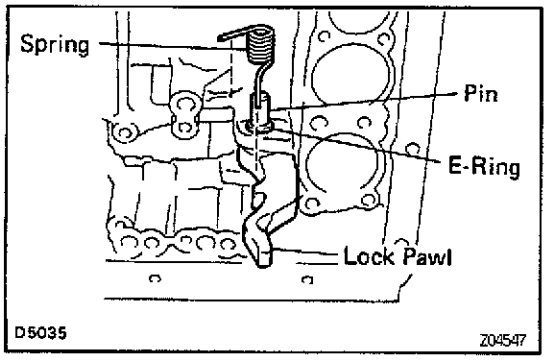


(e) Using a hammer, drive in a new spring pin.



(f) Match the manual valve lever indentation with the spacer hole and caulk them the punch.

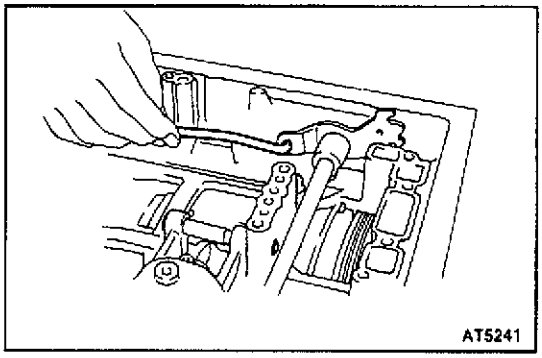
(g) Make sure the shaft rotetes smoothly.



29. INSTALL PARKING LOCK PAWL AND ROD

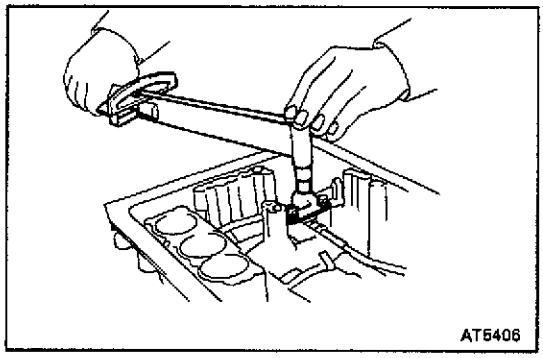
(a) Install the E–ring to the shaft.

(b) Install the parking lock pawl, shaft and spring.

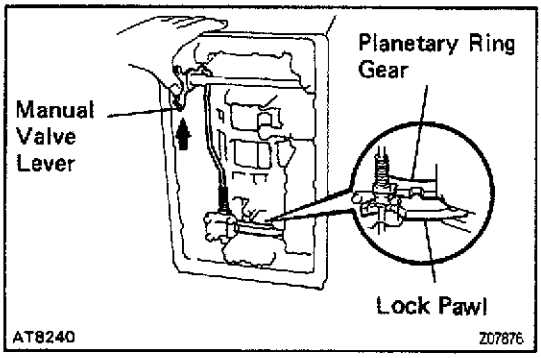


(c) Connect the parking lock rod to the manual valve lever.

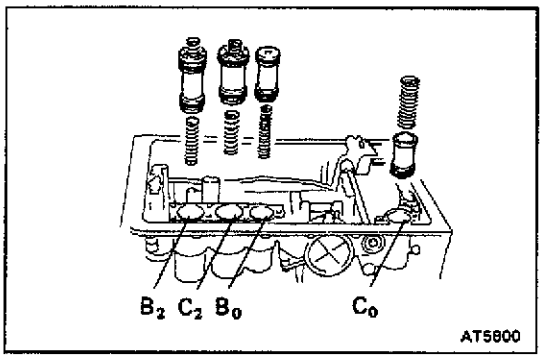
AT



(d) Place the parking lock pawl bracket onto the transmission case and torque the 3 bolts.
Torque: 7.4 N·m (75 kgf-cm, 65 in.-lbf)



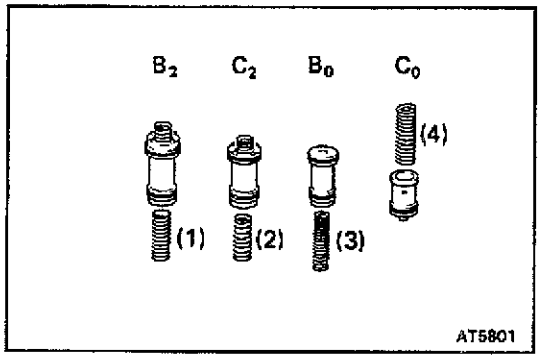
(e) Shift the manual valve lever to the P position, and confirm the planetary ring gear is correctly locked up by the lock pawl.



30. INSTALL ACCUMULATOR SPRINGS AND PISTONS

(a) Coat the new O–rings with ATF and install them to the pistons.

(b) Install the 4 springs and pistons to the bore.



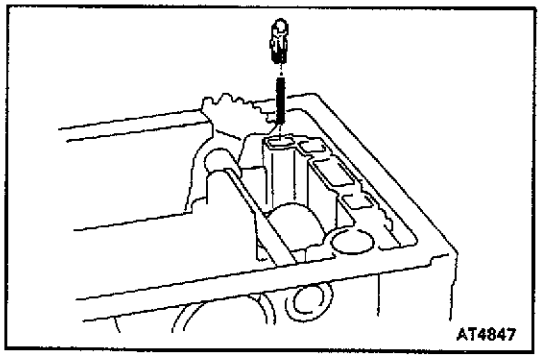
HINT: The pistons are marked in relief with either C_0, B_0, C_2 or B_2 to deferentiate between them.

- **Accumulator Spring**

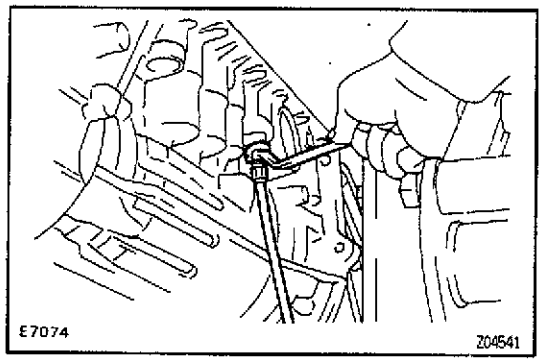
mm (in.)

Spring	Free length Outer diameter	Color
(1) B_2	70.5 (2.776) 19.7 (0.776)	Yellow
(2) C_2	68.5 (2.698) 20.2 (0.795)	Blue
(3) B_0	69.7 (2.744) 16.7 (0.657)	Light Green
(4) C_0	67.0 (2.638) 17.8 (0.701)	White

AT



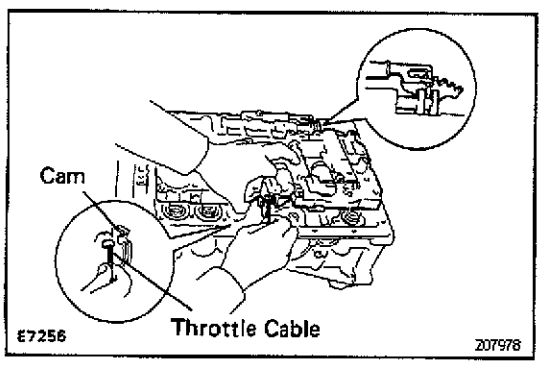
31. INSTALL CHECK BALL BODY AND SPRING



32. INSTALL THROTTLE CABLE

(a) Coat a new O–ring with ATF and install it to the cable.

(b) Install the cable to the case.



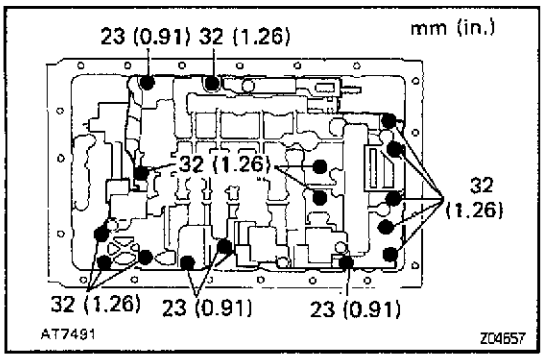
33. INSTALL VALVE BODY

AT05E–01

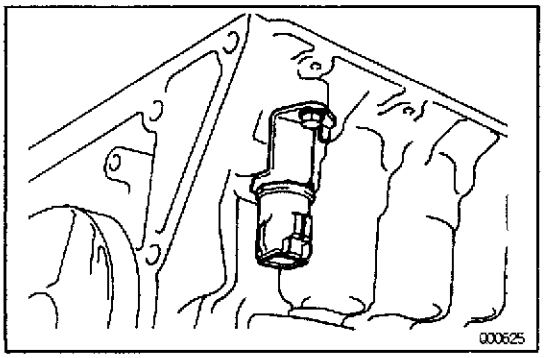
(a) Align the groove of the manual valve to pin of the lever.

(b) Connect the throttle cable to the cam.

(c) Confirm the springs into the accumulator pistons are installed correctly.



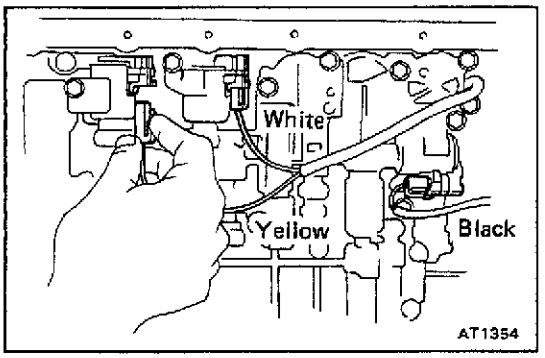
(d) Install the 16 bolts.
HINT: Each bolt length is indicated in the illustration.
Torque: 10 N·m (100 kgf-cm, 7 ft-lbf)



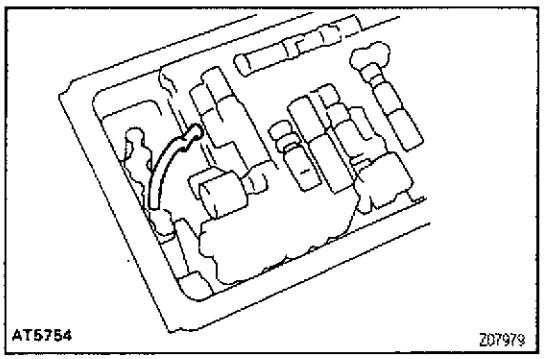
34. INSTALL TRANSMISSION SOLONOID WIRING

(a) Coat a new O—ring with ATF and install it to the grommet.

(b) Insert the solenoid wiring to the case and install the stopper plate.

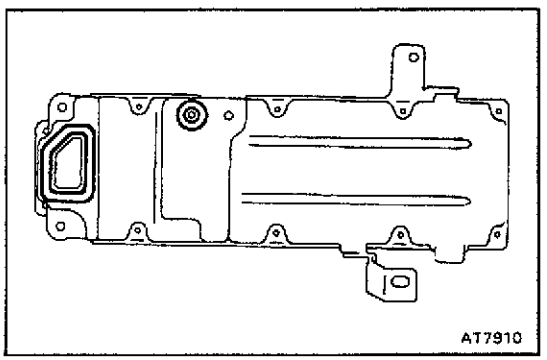


(c) Connect the connectors to the No.1, No.2 and lock—up solenoids.



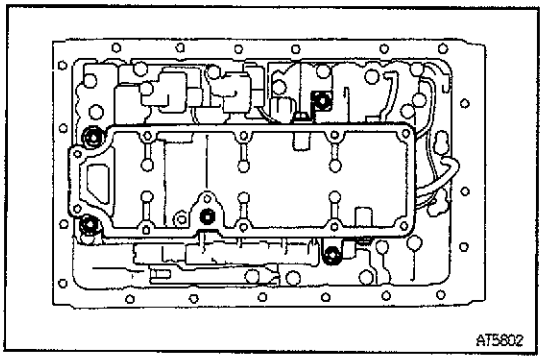
35. INSTALL OIL TUBES

Using a plastic hammer, install the tubes into position.
NOTICE: Be careful not to bend or damage the tubes.

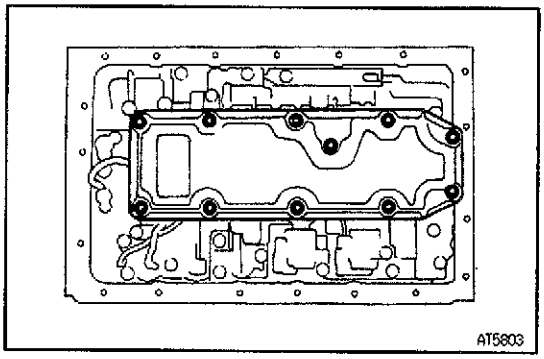


36. INSTALL OIL STRAINER AND GASKETS

(a) Install the 2 new gaskets in the oil strainer case.

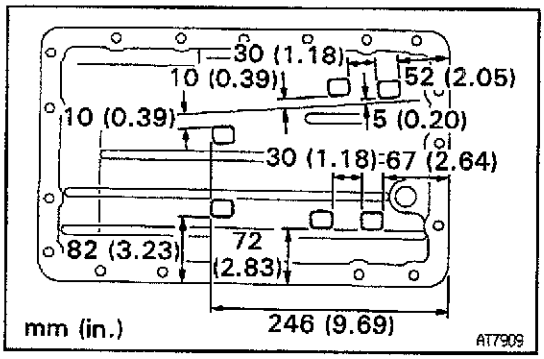


(b) Install the oil strainer case and torque the 5 bolts.
Torque: 10 N·m (100 kgf·cm, 7 ft·lbf)



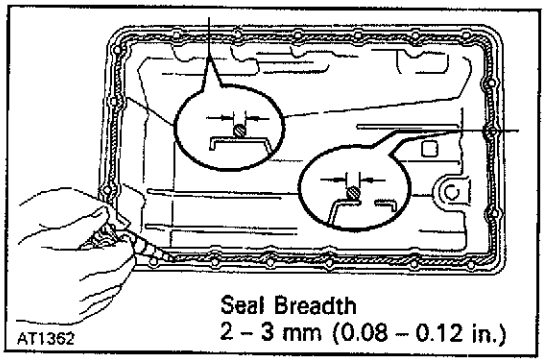
(c) Install a new gasket in the oil strainer case.
(d) Install the oil strainer and torque the 11 bolts.
Torque: 6.9 N·m (70 kgf·cm, 61 in.·lbf)

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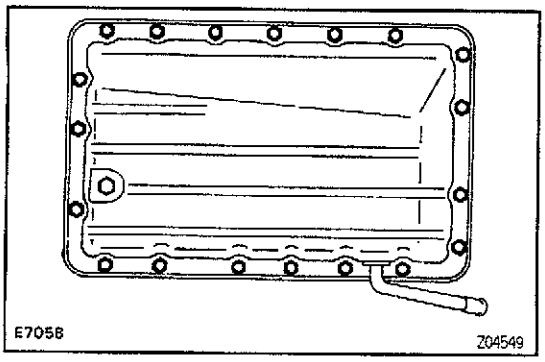


37. INSTALL OIL PAN

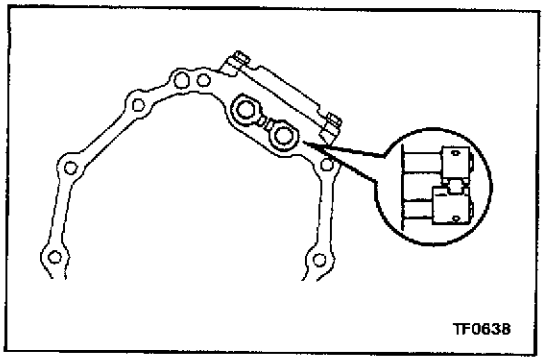
(a) Install the 6 mgnets.



(b) Remove any packing material and be careful not to drop oil on the contacting surfaces of the transmission case and oil pan.
(c) Apply seal packing to the oil pan.
Seal packing:
Part No. 08826–00090, THREE BOND 1281 or equivalent

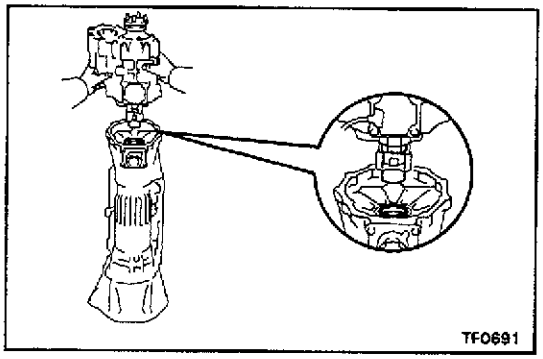


(d) Install and torque the 11 bolts.
Torque: 7.4 N·m (75 kgf·cm, 65 in.·lbf)

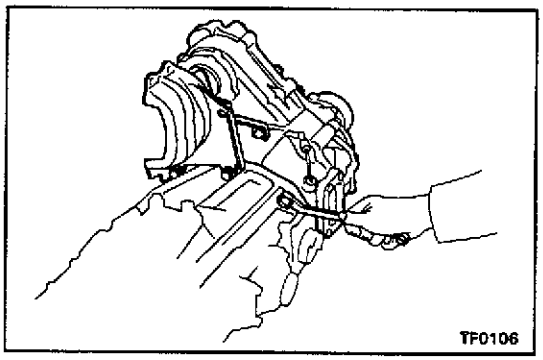


38. INSTALL TRANSFER AND PROPELLER SHAFT UPPER DUST COVER TO TRANSMISSION WITH NEW GASKET

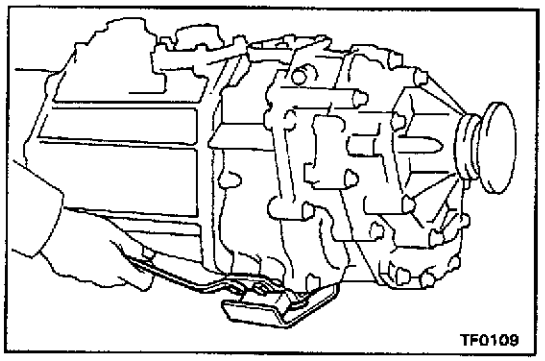
(a) Shift the 2 shift fork shafts to the high—4 position.



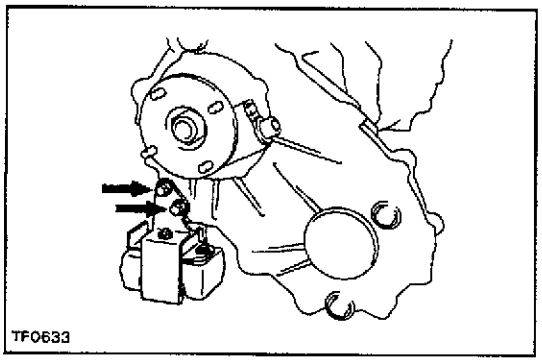
(b) Apply MP grease to the adaptor oil seal.
(c) Place a new gasket to the transfer adaptor.
(d) Install the transfer to the transmission.
HINT: Take care not to damage the oil seal by the input gear spline when installing the transfer.



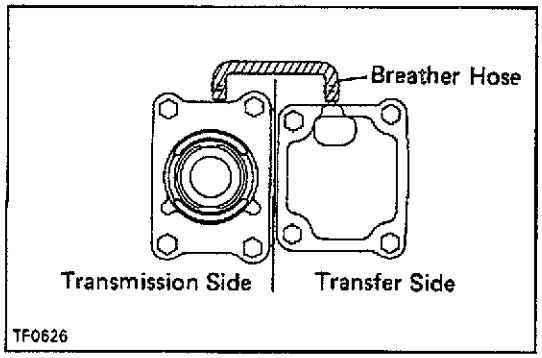
(e) Install and torque the bolts with the propeller shaft upper dust cover.
Torque: 36 N·m (370 kgf·cm, 27 ft·lbf)
(f) Install the dust cover bolt to the bracket.
Torque: 23 N·m (230 kgf·cm, 17 ft·lbf)



39. INSTALL ENGINE REAR MOUNTING
Torque: 25 N·m (260 kgf·cm, 19 ft·lbf)



40. INSTALL DYNAMIC DAMPER
Torque: 37 N·m (380 kgf·cm, 27 ft·lbf)

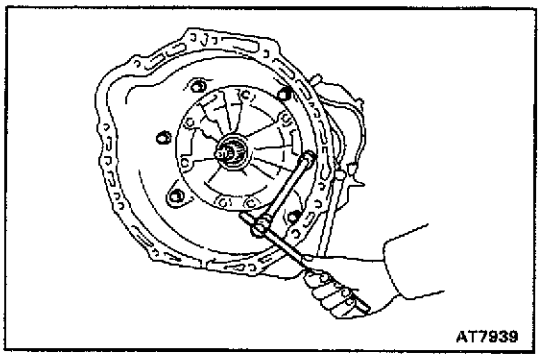


41. INSTALL BREATHER HOSE

Connect the breather hose for transfer upper cover and transmission control retainer.

Hose depth:

13 mm (0.51 in.)



42. INSTALL TRANSMISSION HOUSING

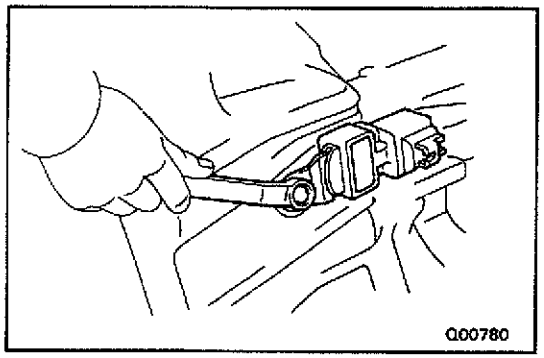
Install and torque the 6 bolts.

Torque:

14 mm bolt 34 N·m (345 kgf·cm, 25 ft·lbf)

17 mm bolt 57 N·m (580 kgf·cm, 42 ft·lbf)

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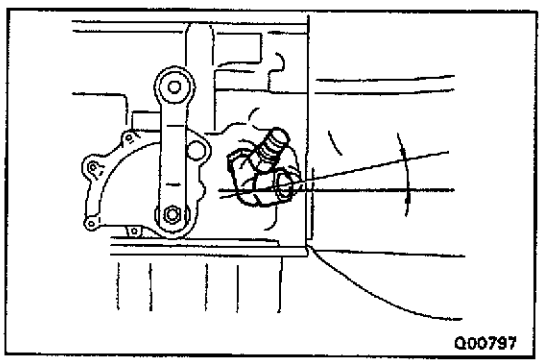


43. INSTALL VEHICLE SPEED SENSOR

(a) Coat a new O–ring with ATF and install it to the sensor.

(b) Install the vehicle speed sensor.

(c) Install the stopper plate.

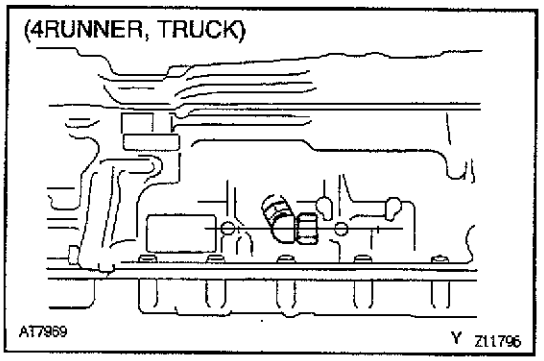


44. INSTALL UNION AND ELBOW

(a) Coat the new O–rings with ATF and install them to the union and elbow.

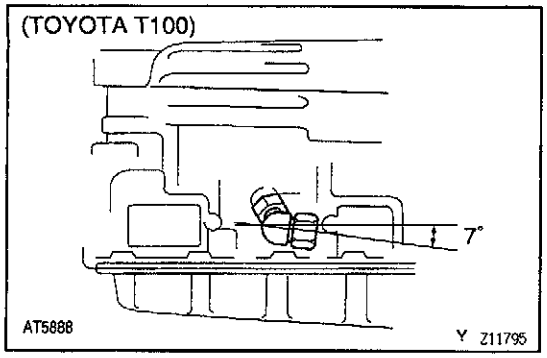
(b) Install the elbow.

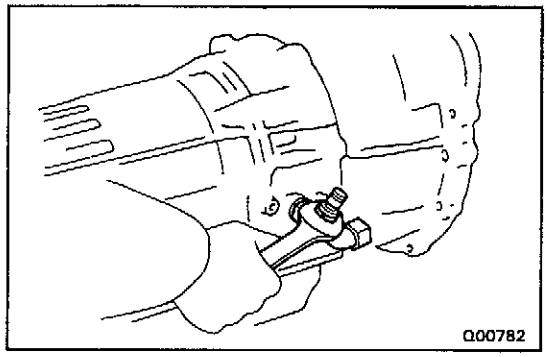
Torque: 29 N·m (300 kgf·cm, 22 ft·lbf)



(c) Install the union.

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

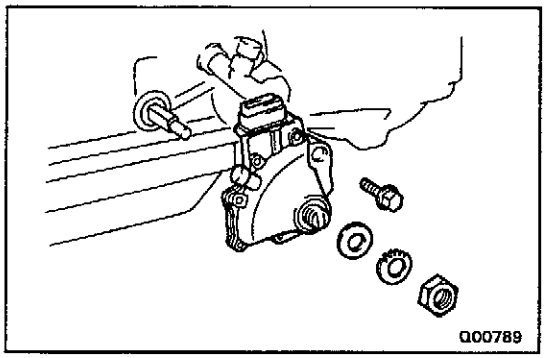




45. INSTALL A/T OIL TEMPERATURE SENSOR

(a) Coat a new O–ring with ATF and install it to the sensor.

(b) Install and torque the oil temperature sensor.

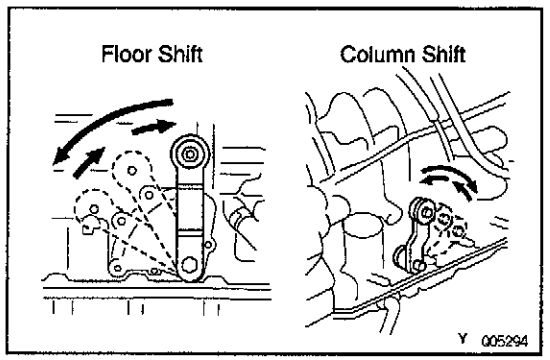


46. INSTALL PARK/NEUTRAL POSITION SWITCH

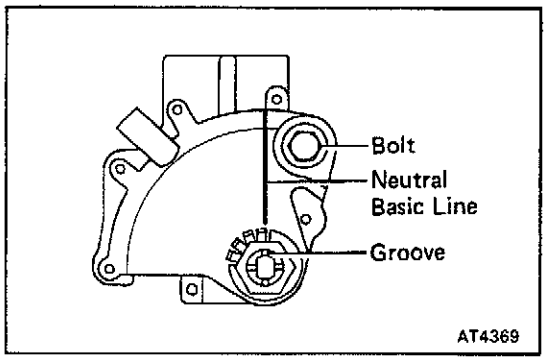
(a) Install the park / neutral position switch onto the manual valve lever shaft and temporarily tighten the adjusting bolt.

(b) Install the grommet and a new lock washer. Install and torque the nut.

Torque: 6.9 N·m (70 kgf·cm, 61 in.·lbf)



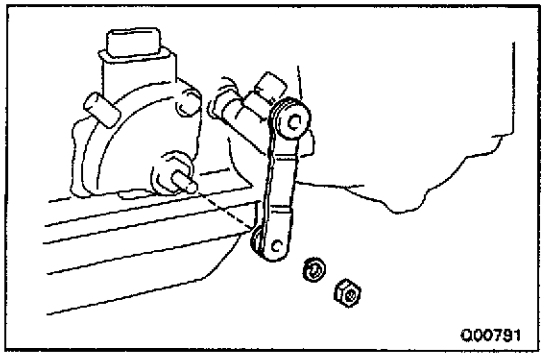
(c) Using the control shaft lever, fully turn the manual lever shaft back and return 2 notches. It is now in neutral.



(d) Align the neutral basic line and the switch groove, and tighten the adjusting bolt.

Torque: 13 N·m (130 kgf·cm, 9 ft·lbf)

HINT: Bend at least 2 of the lock washer tabs.



47. INSTALL TRANSMISSION CONTROL SHAFT LEVER
Torque: 16 N·m (160 kgf·cm, 12 ft·lbf)