COMPONENT PARTS INSTALLATION

AT08X–01

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 INSTALLATION NOTES

AT08Y–01

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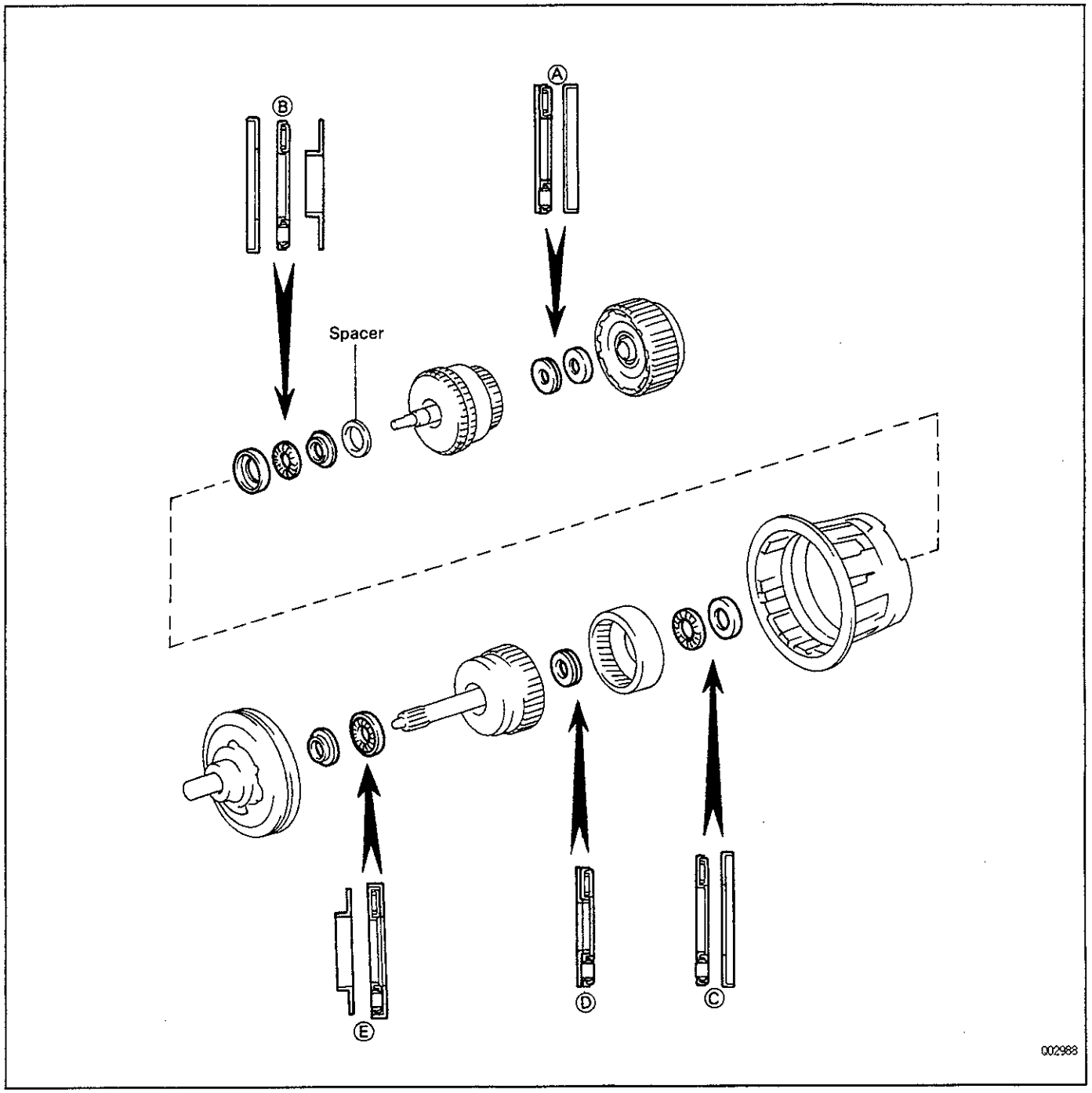
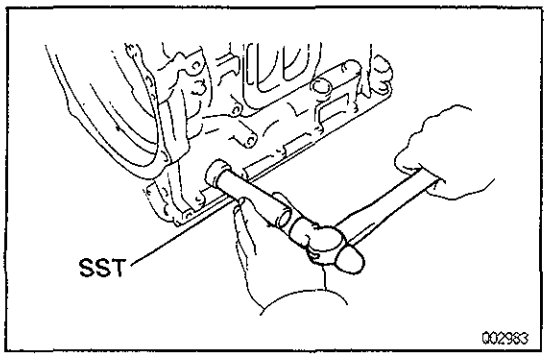
1. The automatic transmission is composed of highly precision–finished parts, necessitating careful inspection before assembly because even a small nick could cause fluid leakage of affect performance.
2. Before assembling new clutch discs, soak them in automatic transmission fluid for at least fifteen 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 places.
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.

AT08Z-01

BEARINGS AND RACES LOCATION



Mark	Thrust Bearing Diameter Inside/Outside mm (in.)	Front Race Diameter Inside/Outside mm (in.)	Rear Race Diameter Inside/Outside mm (in.)
Ⓐ	32.8 / 52.0 (1.291 / 2.047)	–	37.0 / 52.0 (1.457 / 2.047)
Ⓑ	32.8 / 52.0 (1.291 / 2.047)	37.0 / 52.0 (1.457 / 2.047)	32.8 / 50.4 (1.291 / 1.984)
Ⓒ	34.7 / 52.0 (1.366 / 2.047)	–	37.0 / 52.0 (1.457 / 2.047)
Ⓓ	23.2 / 42.0 (0.913 / 1.654)	–	–
Ⓔ	28.5 / 48.0 (1.122 / 1.819)	27.1 / 43.0 (1.067 / 1.693) 27.9 / 43.0 (1.098 / 1.693) 28.3 / 43.0 (1.114 / 1.693)	–



BASIC SUBASSEMBLY REASSEMBLY

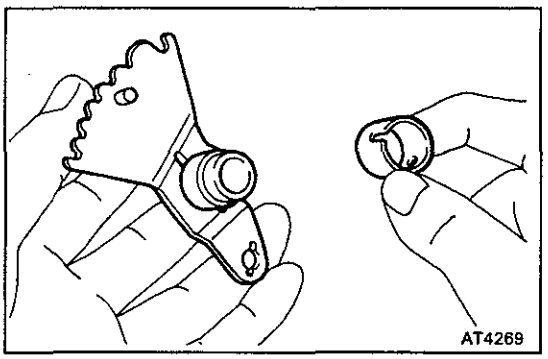
AT090-01

1. INSTALL MANUAL VALVE LEVER, SHAFT AND OIL SEALS

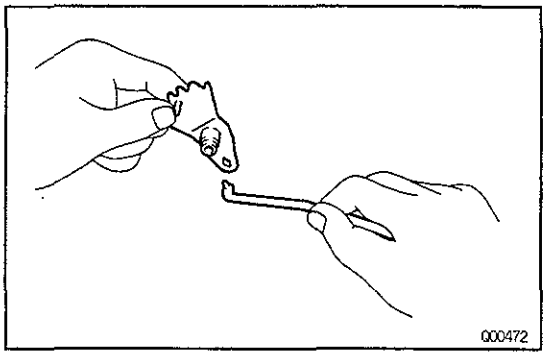
(a) Using SST, tap in new two oil seals.
SST 09350-36010(09350-06150)

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

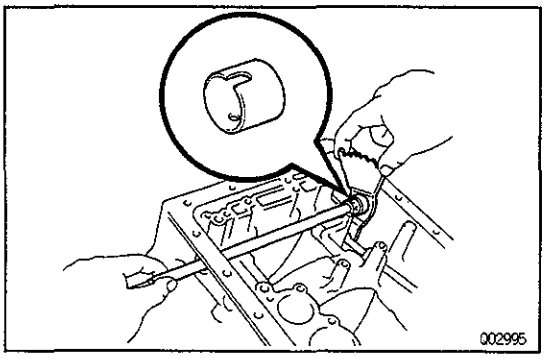
AT



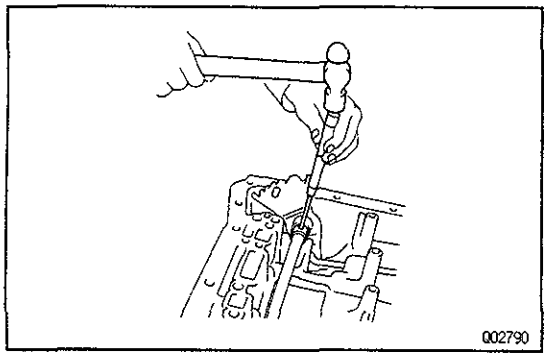
(b) Assemble a new spacer to the manual valve lever.



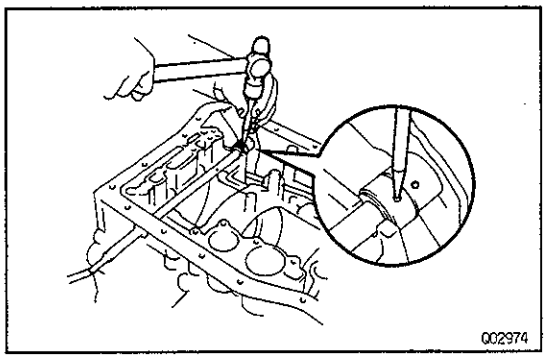
(d) Connect the parking lock rod to the manual valve lever.



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

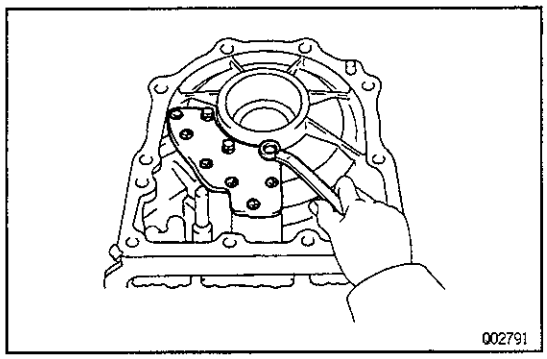


(f) Using a hammer, tap in the pin with the slot at a right angle to the shaft.



(g) Match the spacer hole to the lever calking hollow and calk the spacer to the lever.

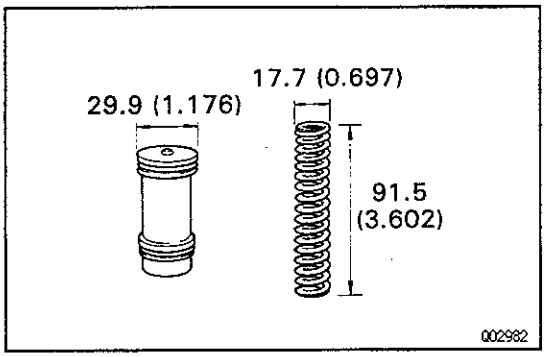
(h) Make sure the manual valve lever shaft turns smoothly.



2. INSTALL TRANSMISSION REAR COVER

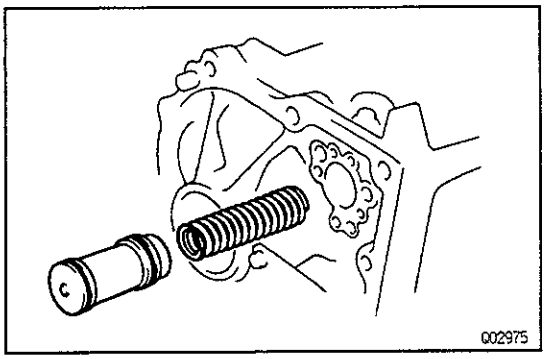
Install a new gasket and rear cover with the three bolts and six screws.

Torque:7.8 N-m (80 kgf-cm, 69 in.-lbf)



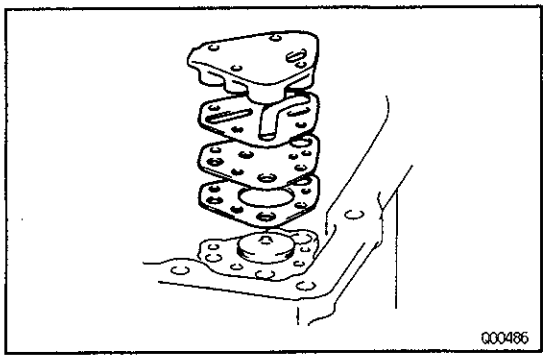
3. INSTALL C_1 ACCUMULATOR PISTON AND SPRING

(a) coat new two O–rings with ATF, and install them to the piston.



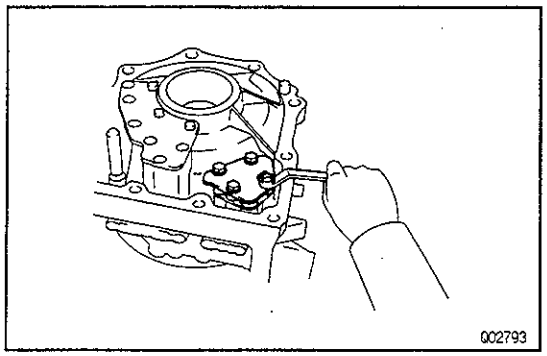
(b) Install the spring and accumulator piston into the bore of the transmission case.

HINT: Piston, spring diameters and spring free length are shown in the figure.

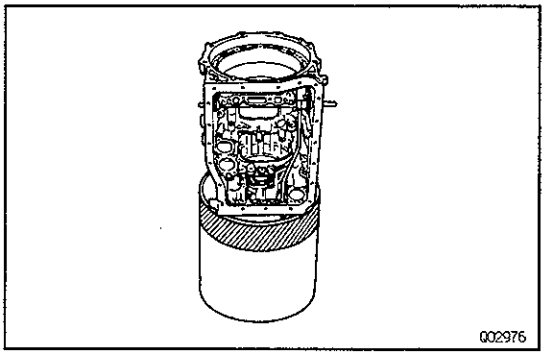


(c) Place the following parts on the transmission case.

(1) New gasket
(2) Plate
(3) New gasket
(4) Front clutch accumulator cover

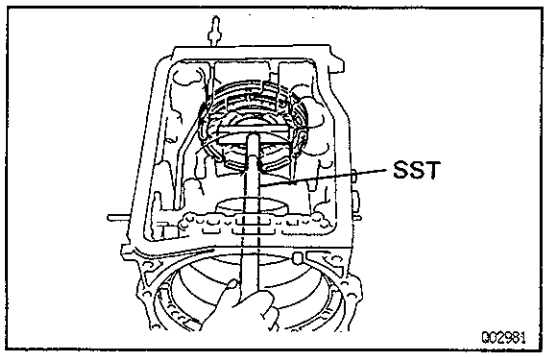


(d) Install the four bolts.
Torque:7.8 N·m (80 kgf·cm, 69 in.·lbf)



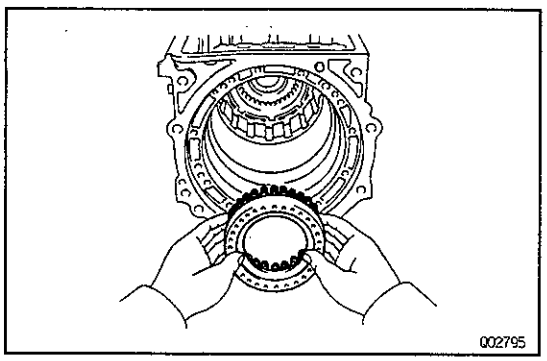
4. INSTALL FIRST AND REVERSE BRAKE PISTON

(a) Place the transmission case on a cylinder.
NOTICE: Be careful not to damage the transmission case. Tape the top of the cylinder.

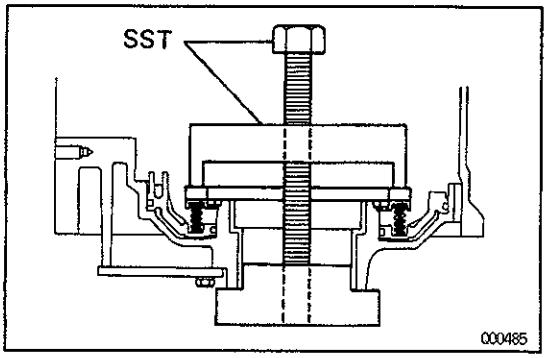


(b) Coat new two O–rings with ATF, and install them to the brake piston.

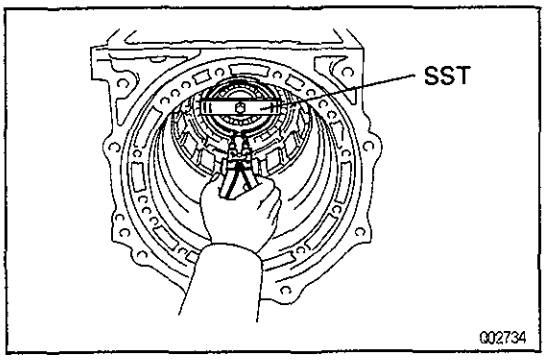
(c) Using SST, pushing the brake piston.
SST 09350–36010(09350–06035,09350–06050)



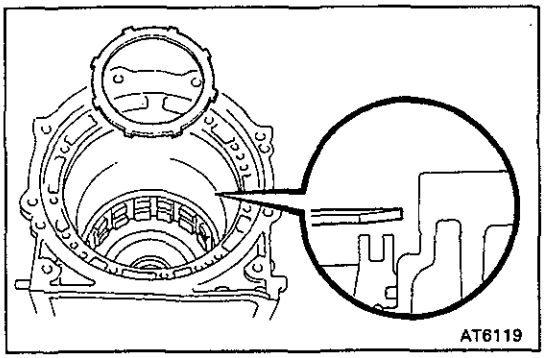
(d) Place the return spring on the brake piston.



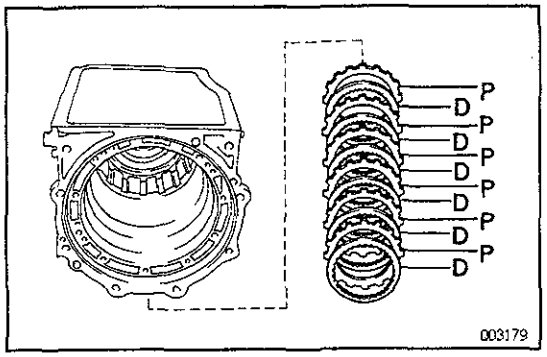
(e) Using SST, compress the return spring.
SST 09350–36010(09350–06030)



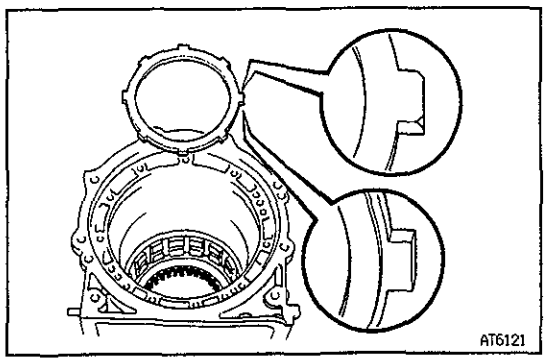
(f) Using snap ring plieres, install the snap ring.



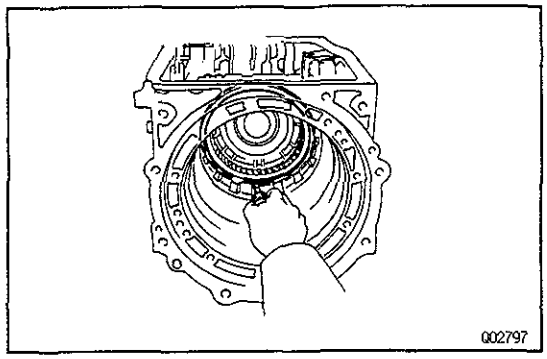
(g) Install the cushion plate, facing the rounded edge inward.



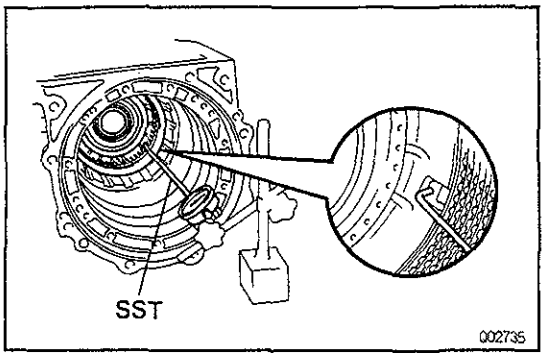
(h) Install the six plates and six discs in order:
P = Plate D = Disc
P–D–P–D–P–D–P–D–P–D–P–D



(i) Install the flange, facing the rounded edge outward.
HINT: If the flange is step–edged, install the flange with the step–edge, facing inward.



(j) Install the snap ring.
HINT: Be sure the end of the snap ring is not aligned with the cutout portion of the transmission case.



5. CHECK PISTON STROKE OF FIRST AND REVERSE BRAKE

Using SST and a dial indicator, measure the piston stroke by applying and releasing the compressed air 392 – 785 kPa (4 – 8 kgf – cm², 57 – 114 psi) as shown.

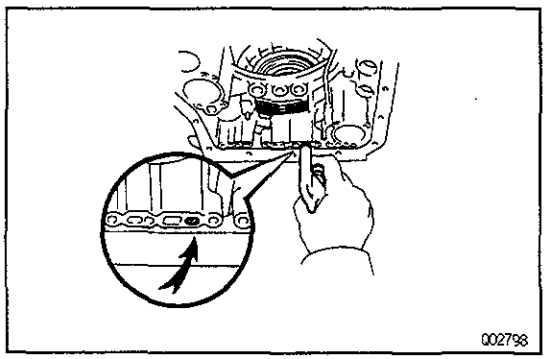
SST 09350–36010(09350–06120,09350–06130)

Piston stroke:

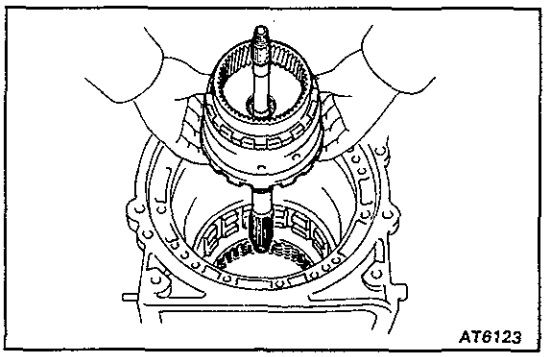
3.3–3.8 mm (0.130–0.150 in.)

If the piston stroke is not as specified, select another flange.

HINT: there are three different thicknesses for flange.



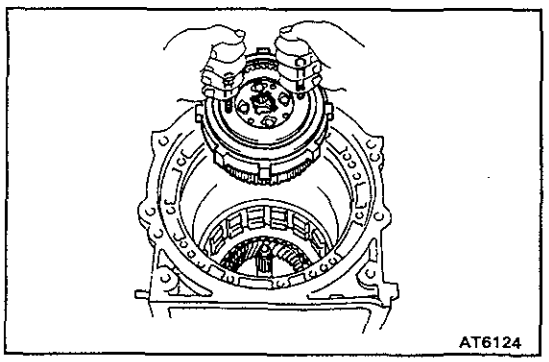
No.	Thickness mm (in.)
None	6.65 (0.2618)
1	7.05 (0.2776)
2	7.45 (0.2933)



6. INSTALL PLANETARY GEARS, ONE – WAY CLUTCH AND OUTPUT SHAFT ASSEMBLY

(a) Place the transmission case on a cylinder.

(b) Install the rear planetary carrier and output shaft assembly to the transmission case.



(c) Temporarily install two bolts to the front planetary carrier.

HINT: Use two 6 mm (1 mm pitch) bolts. Do not screw over 5 revolutions.

(d) Align the spline of the one–way clutch with the spline groove of the transmission case.

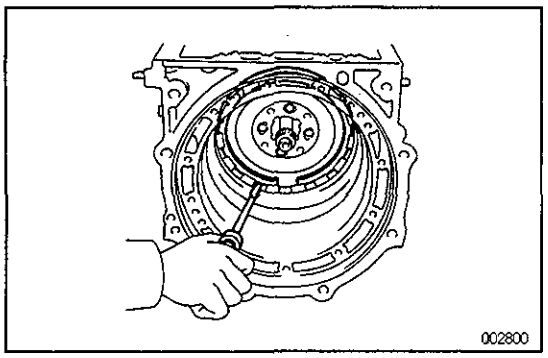
(e) Install the front planetary carrier and one–way clutch assembly into the transmission case.

HINT:

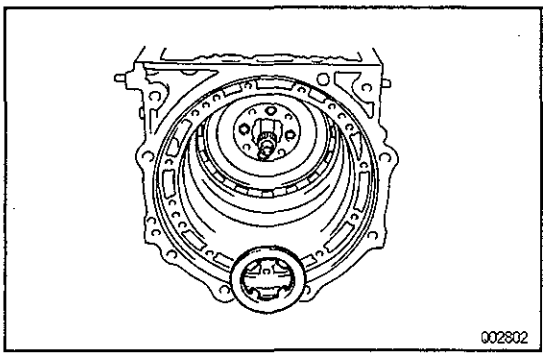
- Mesh the spline of the front planetary carrier with the flukes of the discs by rotating and pushing the front planetary carrier clockwise.
- If the front planetary carrier will not rotate clockwise, check the installation of the one–way clutch.

(f) Remove the two bolts from the front planetary carrier.

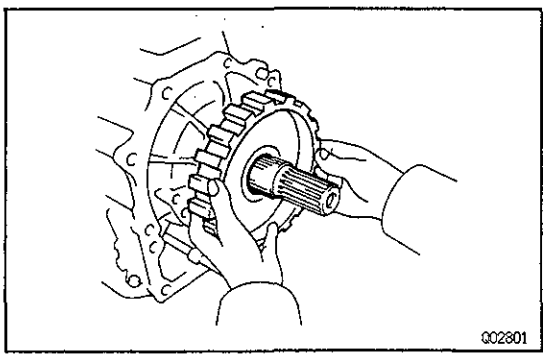
AT



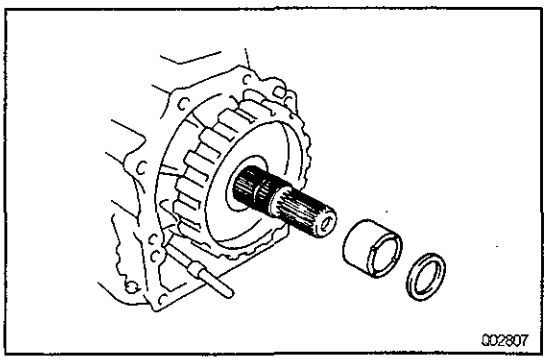
(g) Using a screwdriver, install the snap ring.
HINT: Be sure the end of the snap ring is not aligned with the cutout portion of the transmission case.



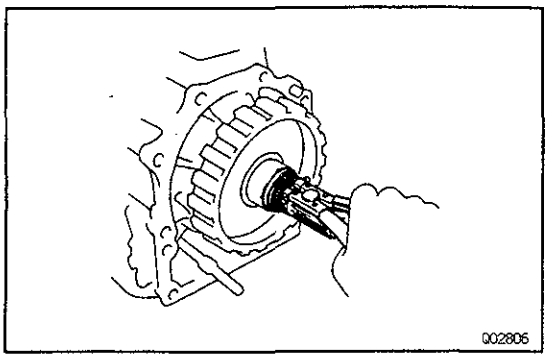
(h) Coat the thrust washer with petroleum jelly, and install it onto the front planetary carrier.
HINT: Securely fit the claws of the thrust washer into the grooves of the front planetary gear.



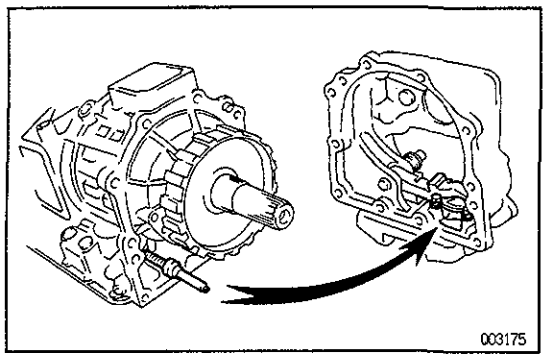
7. INSTALL SPEED SENSOR ROTOR
Install the speed sensor rotor onto the output shaft.



8. INSTALL OUTPUT SHAFT SPACERS
(a) Install the two output shaft spacers.



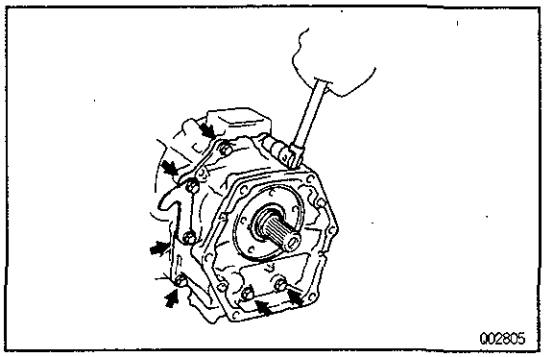
(b) Using snap ring pliers, install the snap ring.



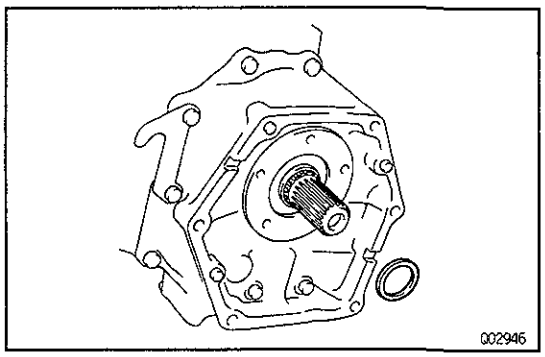
9. INSTALL TRANSFER ADAPTOR AND OUTPUT SHAFT REAR BEARING

(a) Place a new gasket on the transmission case.

(b) Install the parking lock rod between the parking lock pawl and bracket, and attach the transfer adaptor on the transmission case.

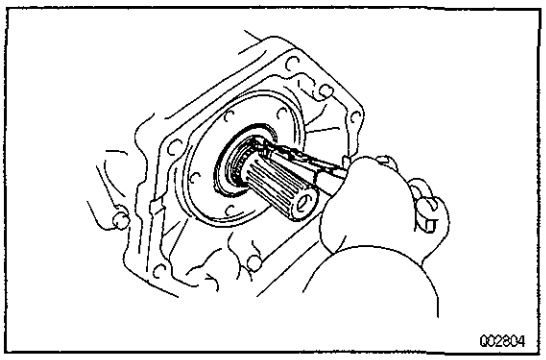


(c) Install the transfer adaptor with ten bolts.
Torque: 37 N·m (380 kgf·cm, 27 ft·lbf)

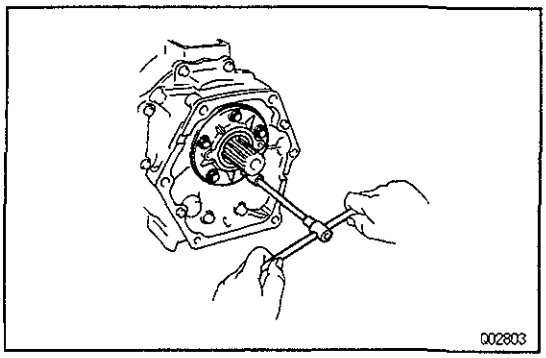


10. INSTALL OUTPUT SHAFT SPACER

(a) Install the spacer onto the output shaft.



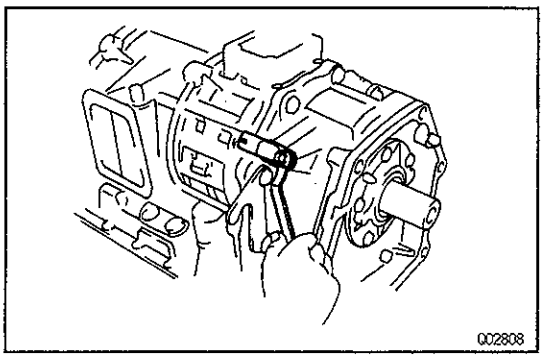
(b) Using snap ring pliers, install the snap ring.



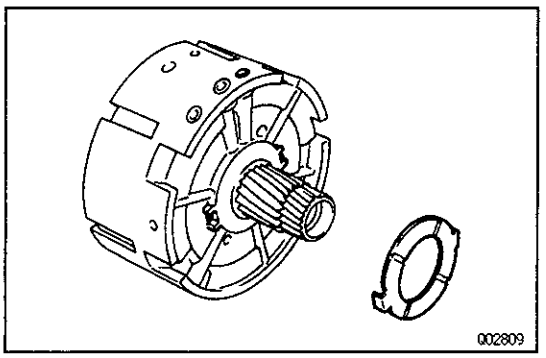
11. INSTALL OUTPUT SHAFT REAR BEARING RETAINER

Install the output shaft rear bearing with five bolts.

AT

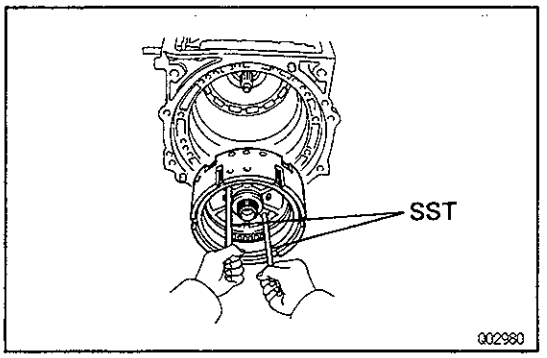


12. INSTALL SPEED SENSOR



13. TEMPORARILY INSTALL CENTER SUPPORT ASSEMBLY

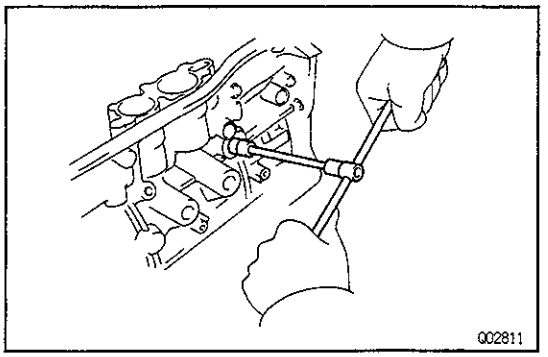
(a) Coat the thrust washer with petroleum jelly, and install it onto the rear side of the center support.
HINT: Securely fit the claws of the thrust washer into the grooves of the center support.



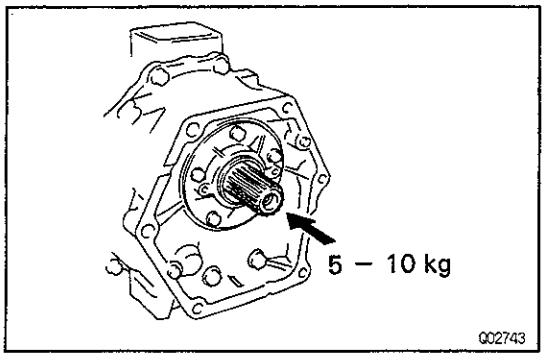
(b) Install SST (two bolts) to the center support.
SST 09350−36010(09350−06140)

(c) Align the oil holes and bolt holes of the center support and transmission case.

(d) Install the center support assembly into the transmission case.

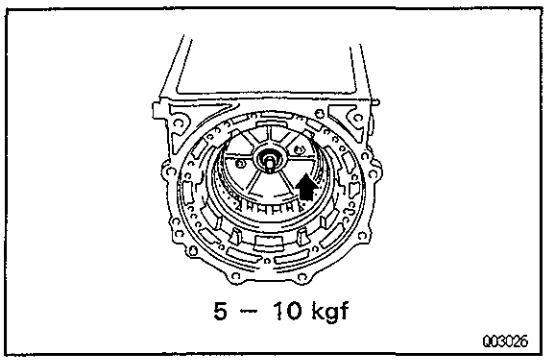


(e) Install the three center support bolts.
Torque: 25 N·m (250 kgf·cm, 18 ft·lbf)

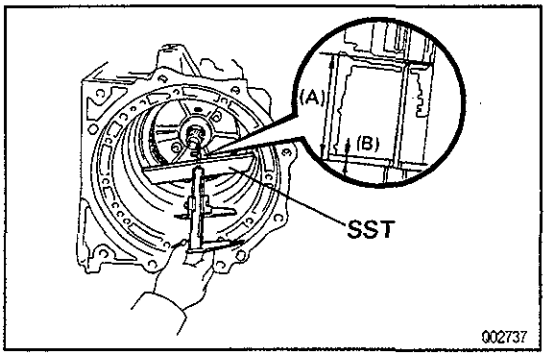


14. ADJUST THRUST CLEARANCE OF CENTER SUPPORT

(a) Push the transmission output shaft toward the front of the transmission by applying a force of 49−89 N (5−10 kgf, 11.0−22.0 lbf), then pull with the same amount of force.



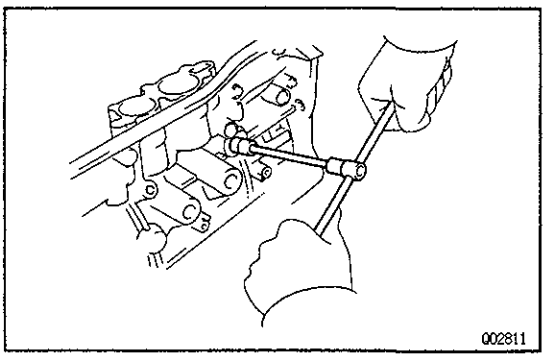
(b) Push the center support toward the rear of the transmission by applying a force of 49–89 N (5–10 kgf, 11.0–22.0 lbf), then pull with the same amount of force.



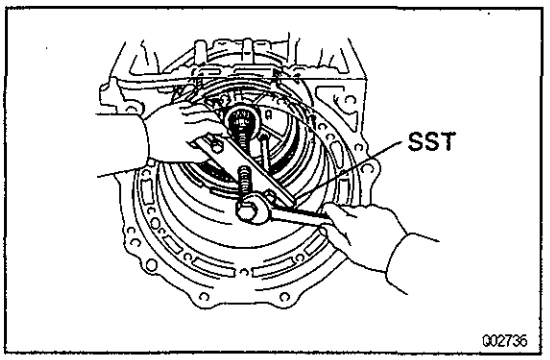
(c) Place SST on the center support.
SST 09350–36010(09350–06090)

(d) Using calipers, measure distance (A) between the tops of SST and the thrust washer on the front planetary gear.

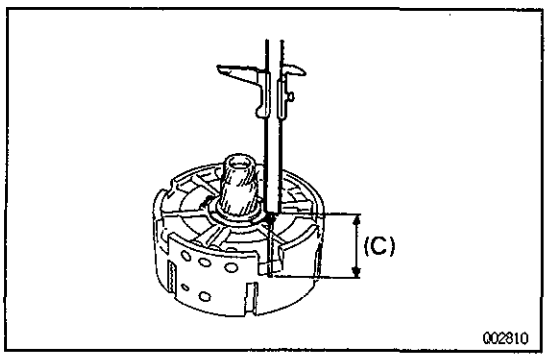
(e) Using calipers, measure thickness (B) of SST.



(f) Remove the three center support set bolts.



(g) Using SST, remove the center support assembly from the transmission case.
SST 09350–36010(09350–06140)



(h) Turn over the center support together with the thrust washer, and place it on a flat surface.

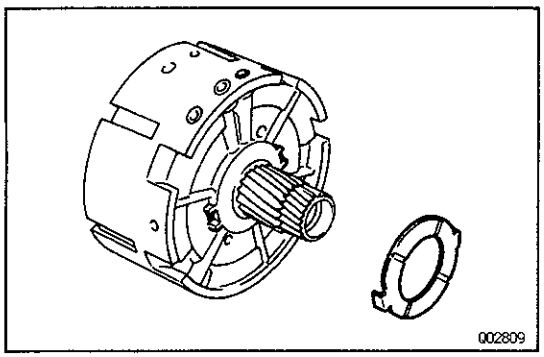
(i) Inserting calipers into the thrust washer hole, measure the distance (C) between it and the flat surface.

Center support thrust clearance:

A – (B + C)

Standard thrust clearance:

0.30–0.70 mm (0.0118–0.0276 in.)



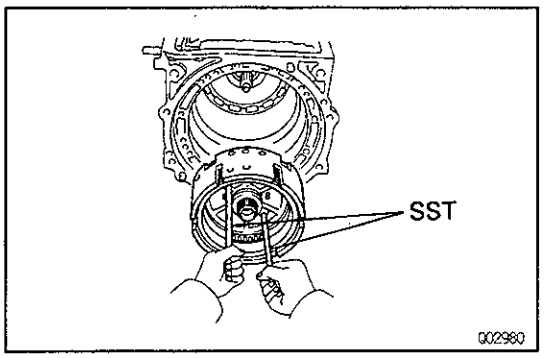
Maximum thrust clearance:

0.90 mm (0.0354 in.)

If the thrust clearance is greater than the maximum, select and install a thrust washer.

HINT: there are four different thicknesses for thrust washer.

Thickness mm (in.)	Thickness mm (in.)
1.8 (0.071)	2.4 (0.094)
2.1 (0.083)	2.6 (0.102)



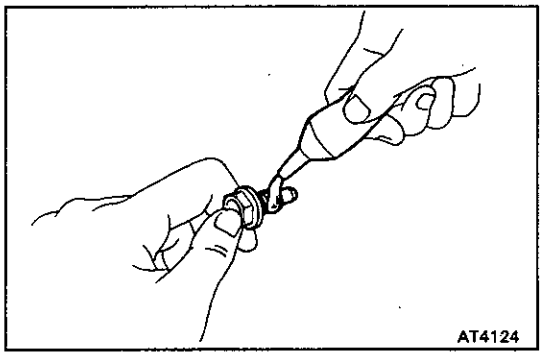
15. INSTALL CENTER SUPPORT ASSEMBLY

(a) Coat new three O—rings with ATF and install them to the oil holes of the center support.

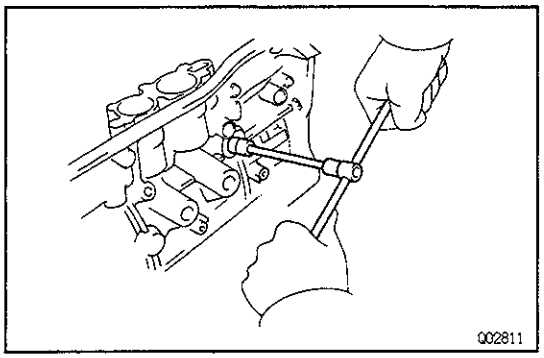
(b) Install SST (two bolts) to the center support.
SST 09350—36010(09350—06140)

(c) Align the oil holes and bolt hole of the center support and transmission case.

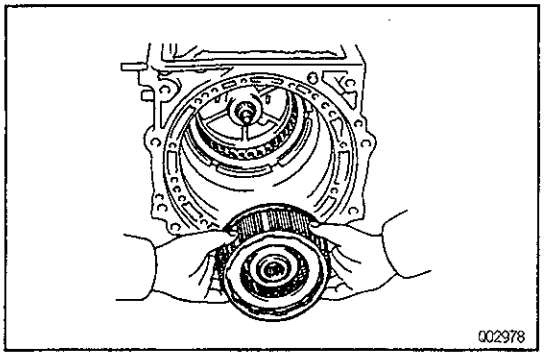
(d) Install the center support assembly into the transmission case.



(e) Apply sealant to the threads of the center support set bolts.
Sealant: Part No. 08833—00080, THREE BOND 1344, LOCTITE 240 or equivalent



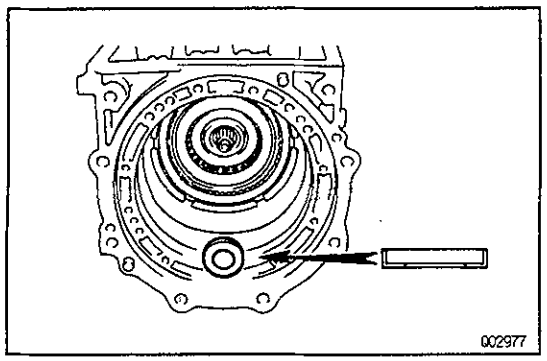
(f) Install the three center support set bolts.
Torque: 25 N·m (250 kgf·cm, 18 ft·lbf)



16. INSTALL REAR CLUTCH ASSEMBLY

Install the rear clutch assembly into the transmission case.

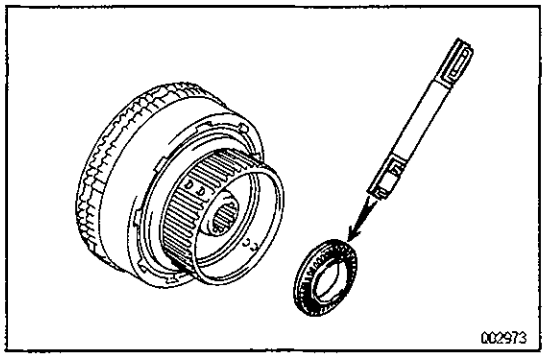
HINT: Mesh the spline of the rear clutch drum with the flukes of the discs by rotating and pushing the rear clutch drum clockwise or counterclockwise.



17. INSTALL FRONT CLUTCH ASSEMBLY

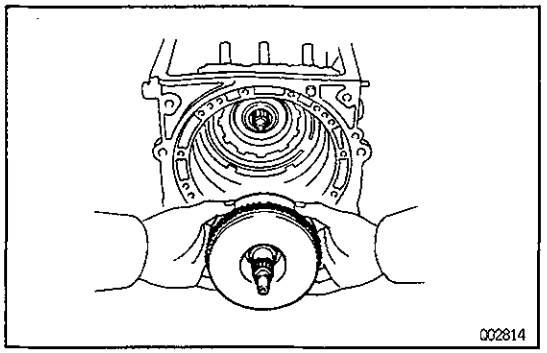
(a) Coat the race with petroleum jelly, and install it onto the rear clutch drum.
HINT: Race diameter

Diameter mm (in.)	Inside	Outside
Race	37.0 (1.457)	52.0 (2.047)

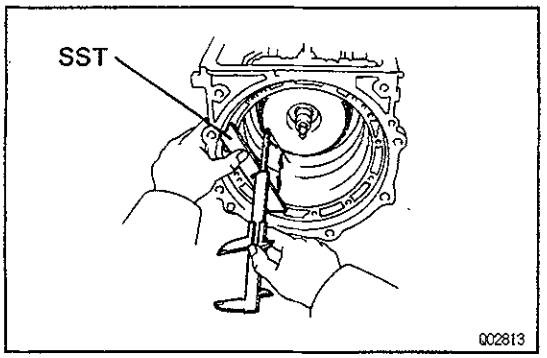


(b) Coat the bearing with petroleum jelly, and install them onto the front clutch hub.
HINT: Bearing and race diameters

diameter mm (in.)	Inside	
Bearing	32.8 (1.291)	52.0 (2.047)



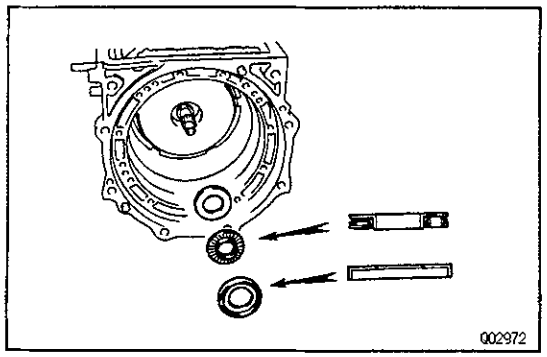
(c) Install the front clutch assembly into the transmission case.
HINT: Mesh the spline of the front clutch hub with the flukes of the discs by rotating and pushing the front clutch drum clockwise or counterclockwise.



18. CHECK CORRECT INSTALLATION OF FRONT CLUTCH ASSEMBLY

(a) Place SST on the installation surface of the oil pump.
SST 09350—36010(09350—06090)

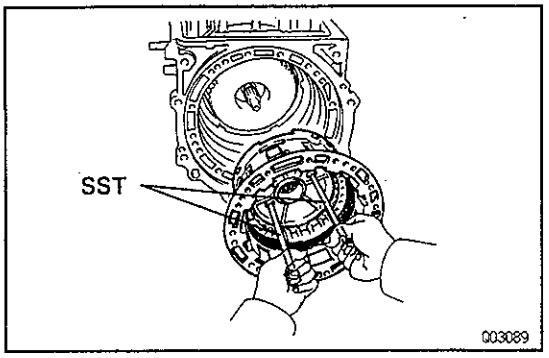
(b) Using calipers, measure the distance between the tops of SST and the clutch drum.
If the distance corresponds to that during disassembly, the front clutch assembly is installed correctly.



19. TEMPORARILY INSTALL OVERDRIVE CASE ASSEMBLY

(a) Remove the oil seal ring from the input shaft

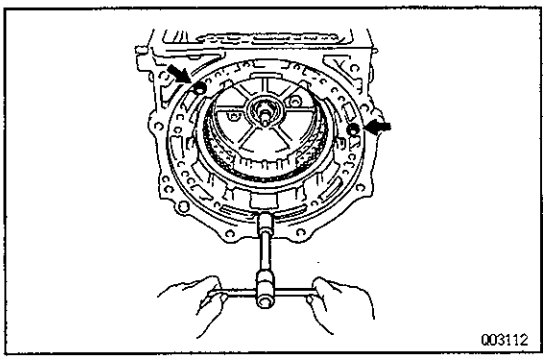
(b) Coat the race and bearing with petroleum jelly, and install the spacer and them onto the front clutch drum.
HINT: Bearing and race diameter



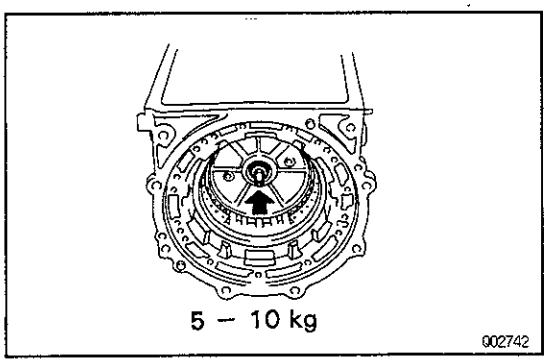
diameter mm (in.)	Inside	Outside
Bearing	32.8 (1.291)	52.0 (2.047)
Race (Front)	37.0 (1.457)	52.0 (2.047)
Race (Rear)	32.8 (1.291)	50.4 (1.984)

(c) Install SST (two bolts) to the O/D case.
SST 09350−36010(09350−06140)

(d) Align the oil holes and bolt holes of the O/D case and transmission case.

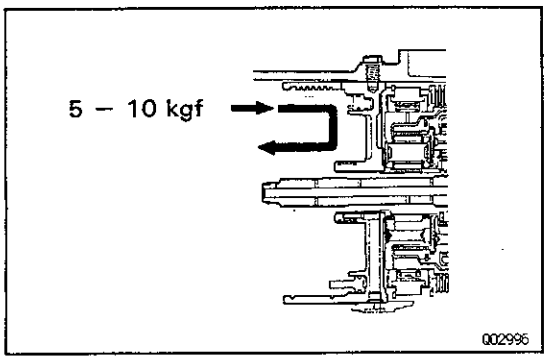


(e) Temporarily install the three bolts
Torque: 25 N·m (250 kgf·cm, 18 ft·lbf)

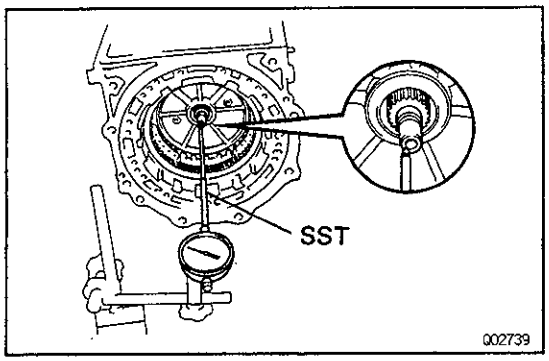


20. ADJUST THRUST CLEARANCE OF INPUT SHAFT (FRONT CLUTCH DRUM)

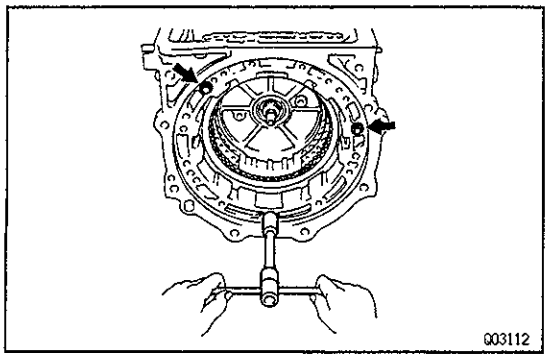
(a) Push the transmission output shaft toward the front of the transmission by applying a force of 49−98 N (5−10 kgf, 11.0−22.0 lbf).



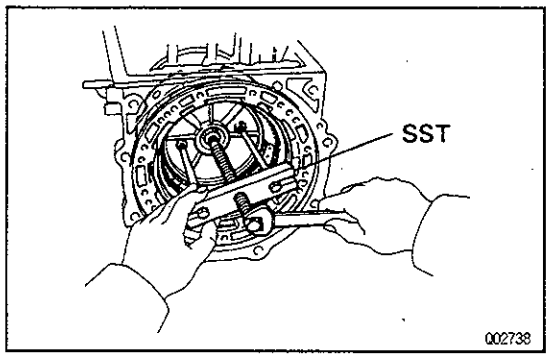
(b) Push the O/D case toward the rear of the transmission by applying a force of 49−98 N (5−10 kgf, 11.0−22.0 lbf).



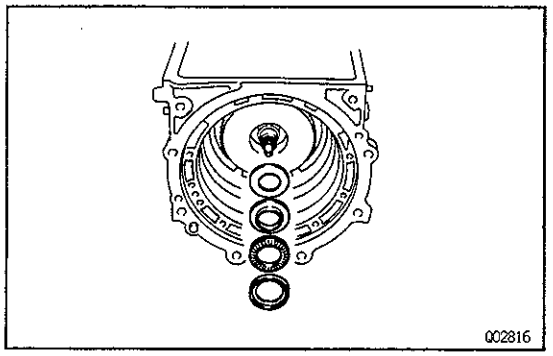
(c) Using SST and a dial indicator, measure the thrust clearance of the input shaft.
SST 09350−36010(093520−06130)
Standard thrust clearance:
0.30−0.70 mm (0.0118−0.0276 in.)
Maximum thrust clearance:
0.70 mm (0.0276 in.)
If the thrust clearance is greater than the maximum, adjust with a spacer.



(d) Remove the set bolts.



(e) Using SST, remove the O/D case assembly.
SST 09350−36010(09350−06140)



(f) Remove the thrust bearing, two races, and spacer from the front clutch drum or O/D case.

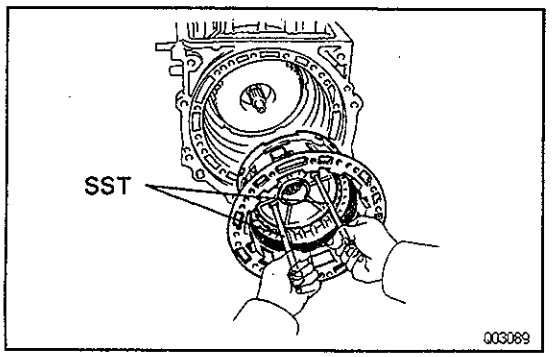
(g) Select a spacer.

Thicness mm (in.)	Thickness mm (in.)
0.9 (0.035)	1.8 (0.071)
1.2 (0.047)	2.1 (0.083)
1.5 (0.059)	

HINT: There are five different thicknesses for spacer.

(h) Install the spacer, two races and bearing onto the front clutch drum.

(i) Reinstall the oil seal ring to the input shaft.



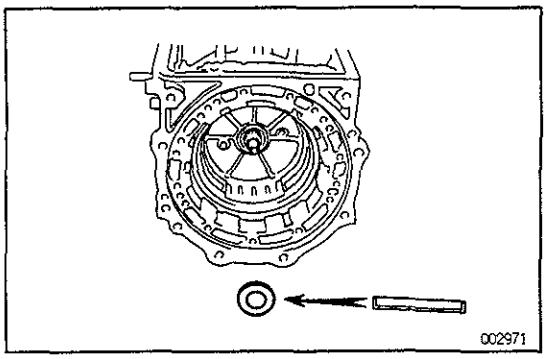
21. INSTALL OVERDRIVE CASE ASSEMBLY

AT091−02

(a) Coat new three O−ring with ATF, and install them to the oil holes of the O/D case.

(b) Install SST (two bolts) to the O/D case.
SST 09350−36010(09350−06140)

(c) Align the oil holes and bolt holes of the O/D case and transmission case.

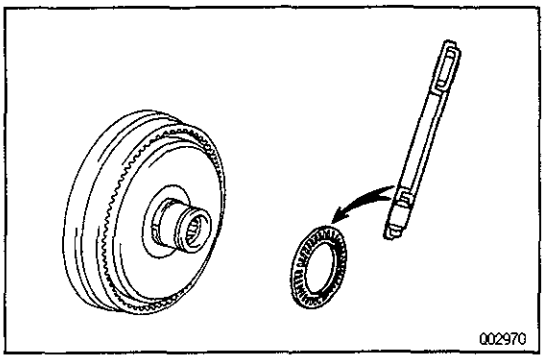


22. INSTALL OVERDRIVE RING GEAR ASSEMBLY

(a) Coat the race with petroleum jelly, and install it onto the O/D case.

HINT: *Race diameter*

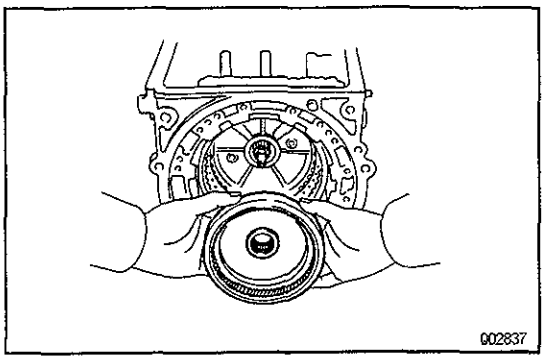
Diameter mm (in.)	Inside	Outside
Race	37.0 (1.457)	52.0 (2.047)



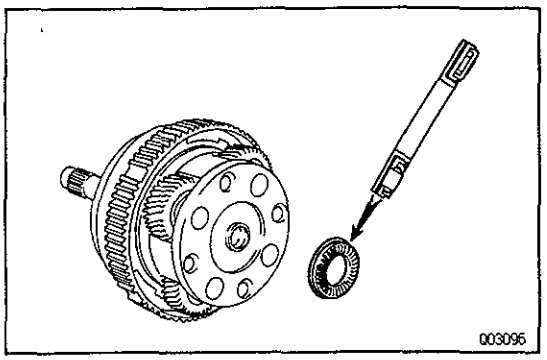
(b) Coat the bearing with petroleum jelly, and install it onto the ring gear flange.

HINT: Bearing diameter

Diameter mm (in.)	Inside	Outside
Race	34.7 (1.366)	52.0 (2.047)



(c) Install the ring gear assembly into the O/D case.

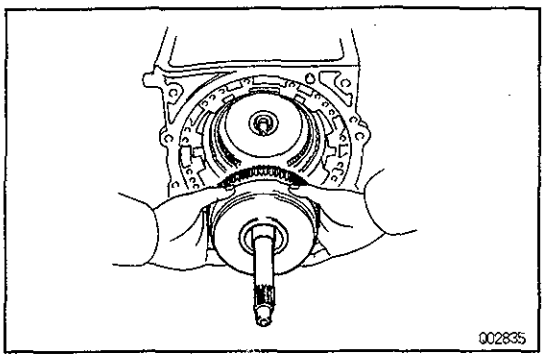


23. INSTALL OVERDRIVE PLANETARY GEAR, OVERDRIVE DIRECT CLUTCH AND ONE–WAY CLUTCH ASSEMBLY

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

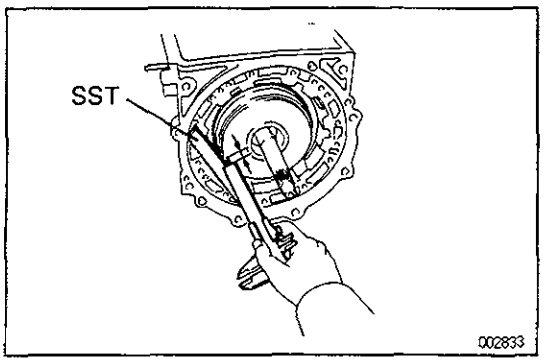
HINT: Bearing and race diameters

Diameter mm (in.)	Inside	Outside
Bearing	23.2 (0.913)	42.0 (1.654)



(b) Install the planetary gear, direct clutch and one–way clutch assembly into transmission case.

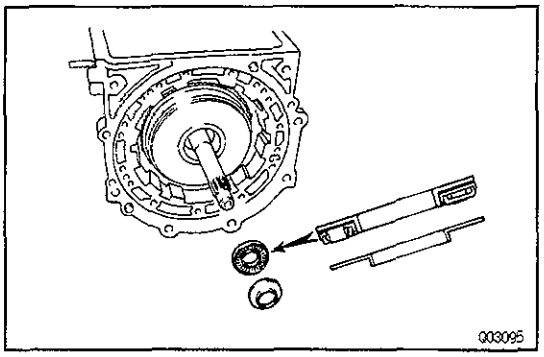
HINT: Mesh the spline of the O/D direct clutch drum with the flukes of the discs by rotating and pushing the O/D direct clutch drum clockwise or counter-clockwise.



24. CHECK CORRECT INSTALLATION OF OVERDRIVE PLANETARY GEAR, OVERDRIVE DIRECT CLUTCH AND ONE–WAY CLUTCH ASSEMBLY

(a) Place SST on the installation surface of the oil pump.
SST 09350–36010(09350–06090)

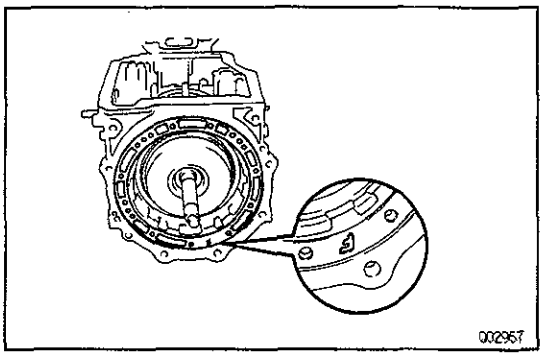
(b) Using calipers, measure the distance between the tops of SST and the clutch drum.
If the distance corresponds to that during disassembly, the O/D planetary gear, O/D direct clutch and one–way clutch assembly is installed correctly.



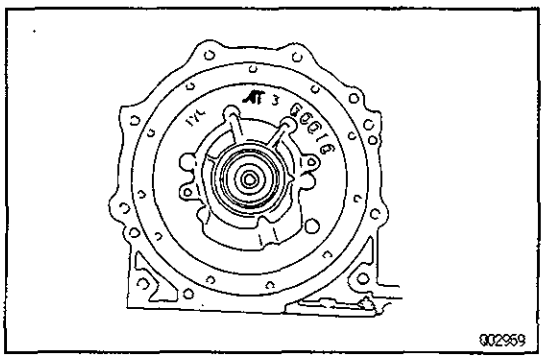
25. TEMPORARILY INSTALL OIL PUMP

(a) Coat the race and bearing with petroleum jelly, and install them onto the clutch drum.
HINT: Bearing and race diameters

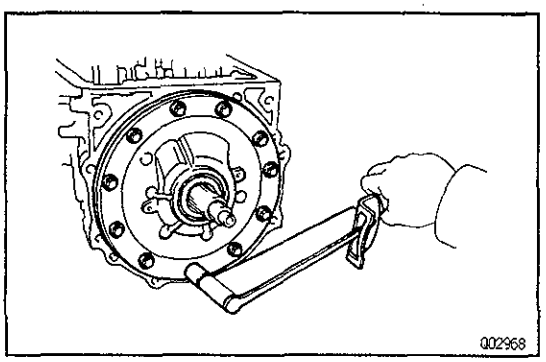
Diameter mm (in.)	Inside	Outside
Bearing	28.5 (1.122)	48.0 (1.890)
Race	27.1 (1.067) 27.9 (1.098) 28.3 (1.114)	43.0 (1.693)
Race (Rear)	28.5 (1.122)	48.0 (1.890)



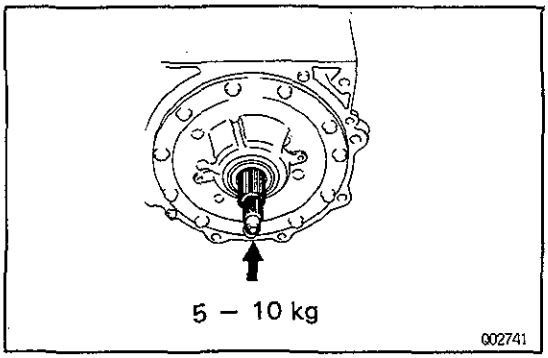
(b) Place the gasket on the transmission case.



(c) Align the bolt holes of the pump body and transmission case, and install it.

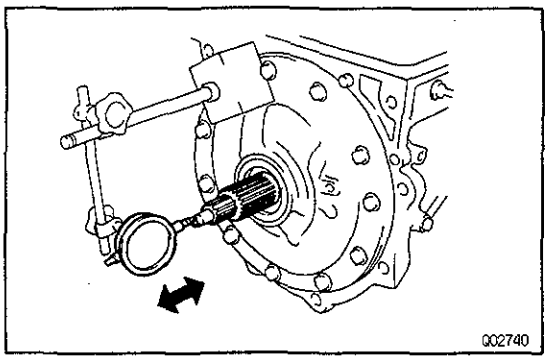


(d) Install and tighten the eleven bolts.
Torque: 21 N·m (210 kgf·cm, 16 ft·lbf)



26. ADJUST THRUST CLEARANCE OF OVERDRIVE INPUT SHAFT (OVERDRIVE PLANETARY GEAR)

(a) Push the O/D input shaft toward the rear of the transmission by a force of 49–98 N (5–10 kgf, 11.0 –22.0 lbf).



(b) Using a dial indicator, measure the thrust clearance of the input shaft.

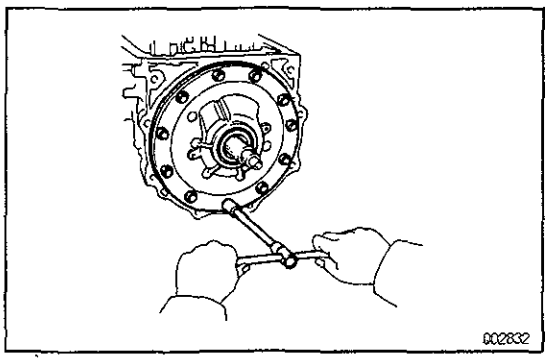
Standard thrust clearance:

0.40–0.90 mm (0.0157–0.0354 in.)

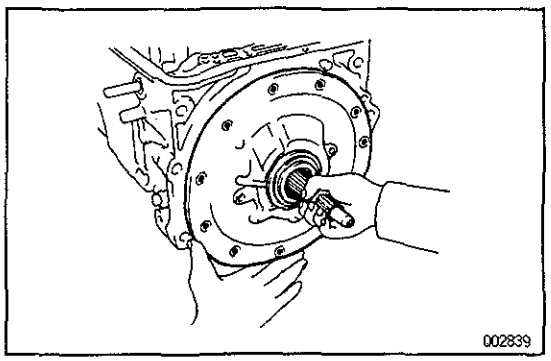
Maximum thrust clearance:

0.90 mm (0.0354 in.)

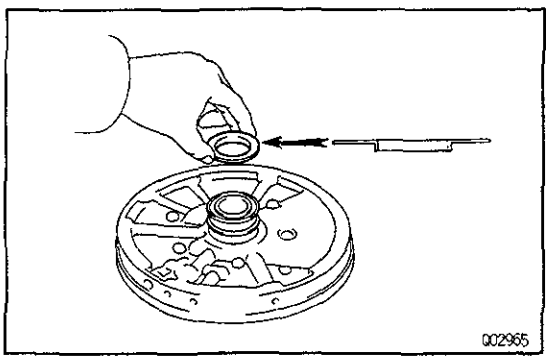
If the thrust clearance is greater than the maximum, adjust with a race.



(c) Remove the eleven oil pump set bolts.



(d) Remove the oil pump and gasket.



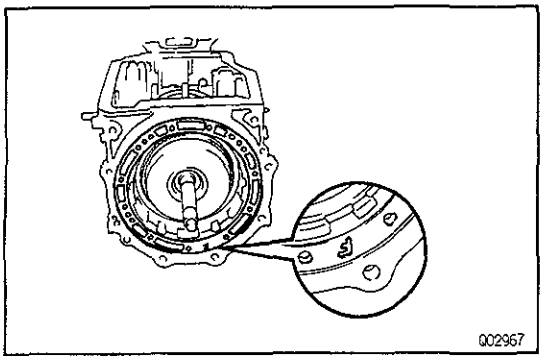
(e) Remove the race from the oil pump cover.

(f) *Select a race.*

HINT: there are three different thicknesses for race.

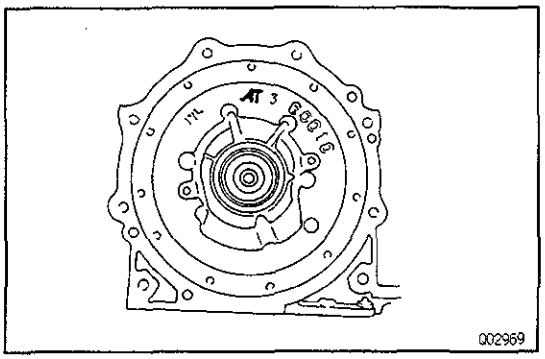
Thickness mm (in.)	Thickness mm (in.)
0.8 (0.031)	*1.4 (0.055)*
1.0 (0.039)	

(g) Coat the race with petroleum jelly, and install the oil pump cover.

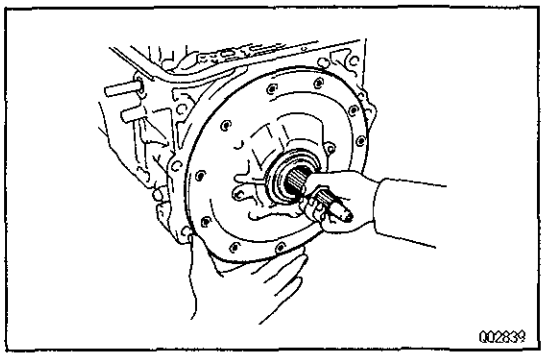


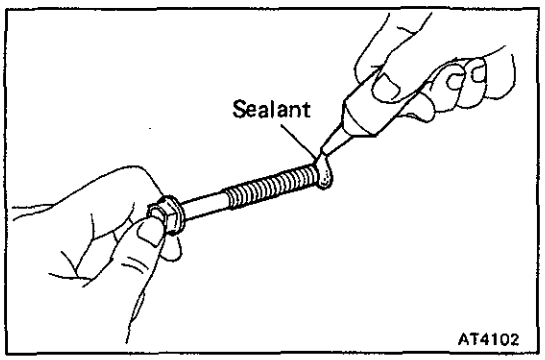
27. INSTALL OIL PUMP

(a) Place a new gasket on the transmission case.

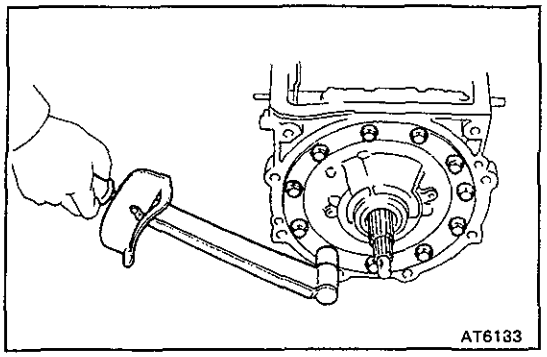


(b) Align the bolt holes of the pump body and transmission case.

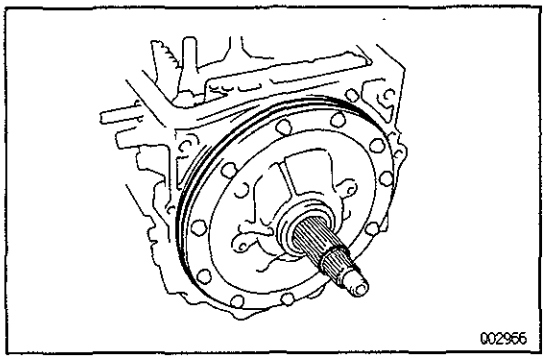




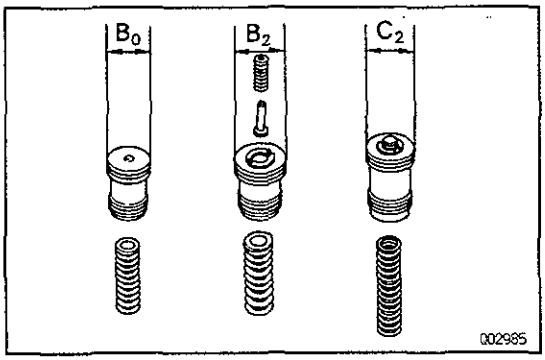
(c) Apply sealant to the threads of the oil pump set bolts.
Sealant: Part No. 08833–00080, THREE BOND 1344, LOCTITE 242 or equivalent.



(d) Install and tighten the eleven bolts.
Torque: 21 N·m (210 kgf·cm, 16 ft·lbf)



(e) Coat two new O–rings with ATF, and install them to the oil pump body.



28. INSTALL C_2, B_0, B_2 ACCUMULATOR SPRINGS AND PISTONS

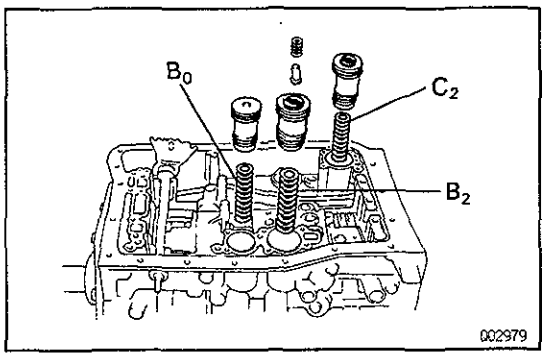
(a) Coat new O–rings with ATF, and install them to the pistons.

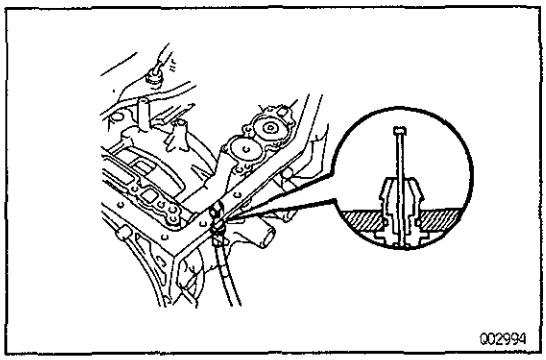
(b) Install the three springs and accumulator pistons into the bore of the transmission case as shown.
HINT: Piston diameter

	Piston Diameter mm (in.)
B_0	35.9 (1.413)
B_2	43.9 (1.728)
C_2	39.9 (1.571)

HINT: *Spring diameter and free length*

Spring (Color) mm (in.)	Free Length	Diameter
B_0 (Light Green)	63.1 (2.484)	20.7 (0.815)
B_2 (Blue)	65.0 (2.559)	25.1 (0.988)
C_2 (Green)	83.5 (3.287)	21.7 (0.854)

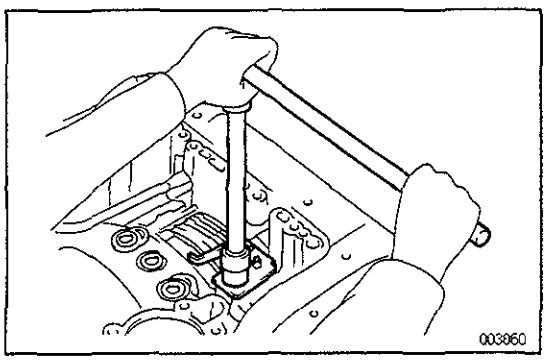




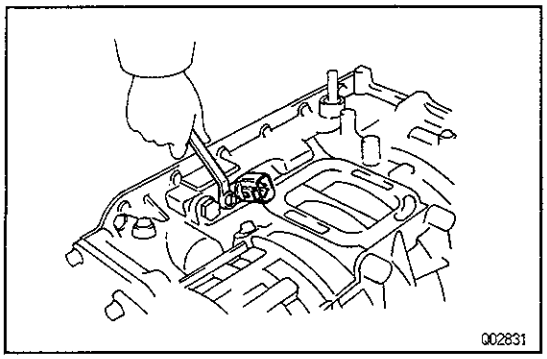
29. INSTALL THROTTLE CABLE

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

(b) Install the cable to the transmission case.



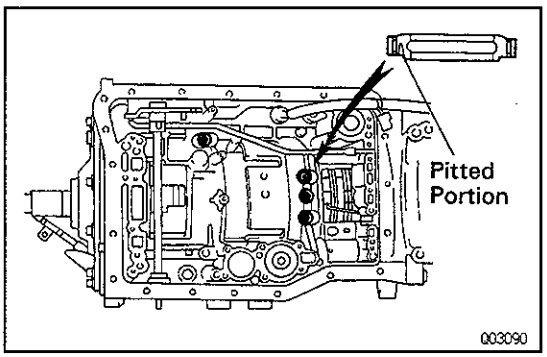
30. INSTALL FIRST AND REVERSE BRAKE GUIDE



31. INSTALL SOLENOID WIRING

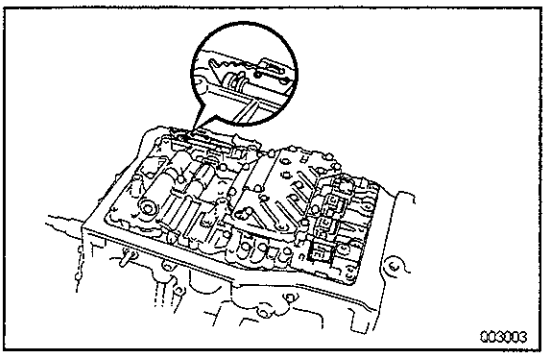
(a) Coat a new O—ring with ATF, and install it to the wiring.

(b) Install the solenoid wiring to the transmission case.



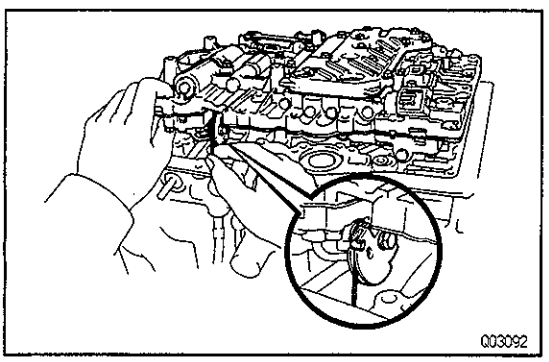
32. INSTALL CENTER SUPPORT APPLY GASKET

Install new four gaskets, facing the pitted side toward the transmission case.

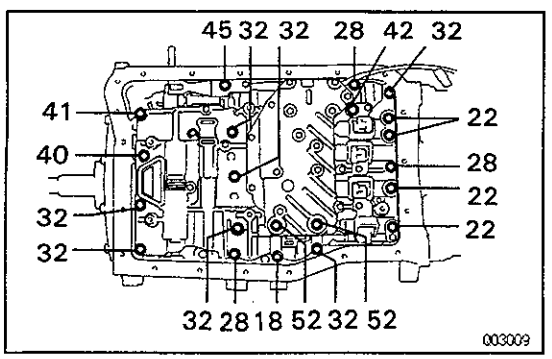


33. INSTALL VALVE BODY

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



(b) Connect the throttle cable to the cam.



(c) Install the bolts.

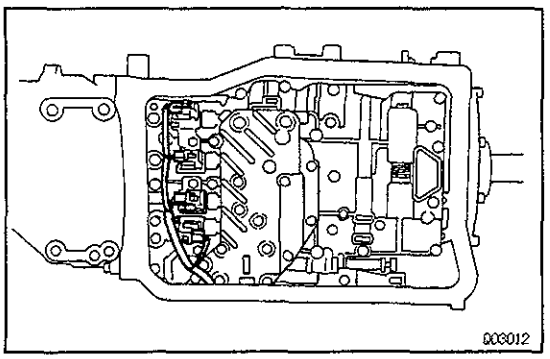
HINT: each bolt length is indicated below.

Bolt length:

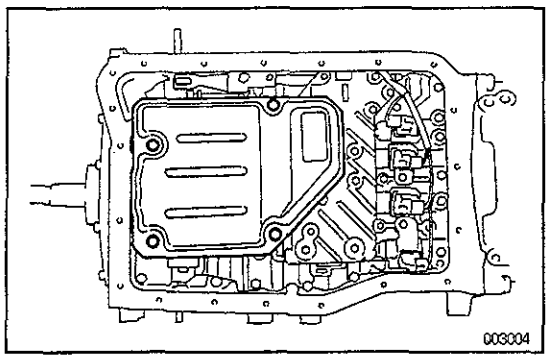
18 mm (0.71 in.)
22 mm (0.87 in.)
28 mm (1.10 in.)
32 mm (1.26 in.)
40 mm (1.57 in.)
41 mm (1.61 in.)
42 mm (1.65 in.)
45 mm (1.77 in.)
52 mm (2.04 in.)

(d) Check that the manual valve lever contacts the center of the roller at the tip of the detent spring.

(e) Tighten the bolts.
Torque: 10 N·m (100 kgf·cm, 7 in.·lbf)

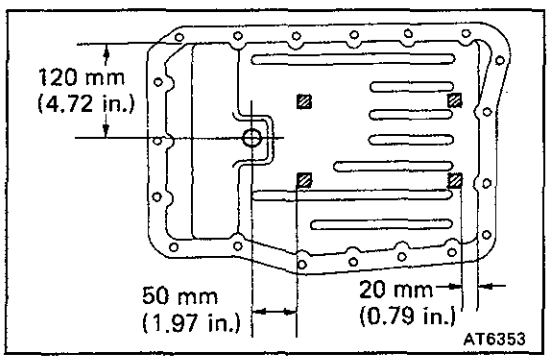


34. CONNECT FOUR SOLENOID CONNECTORS



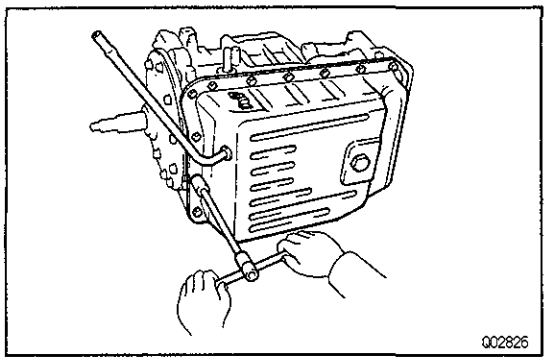
35. INSTALL OIL STRAINER

Install a new gasket and the oil strainer with the seven wave washers (for 8 mm head bolts) and ten bolts.
Torque: 10 N·m (100 kgf·cm, 77 ft·lbf)
Each bolt length is indicated below.



36. INSTALL MAGNETS IN PAN

Install the two magnets in the oil pan as shown in the figure.

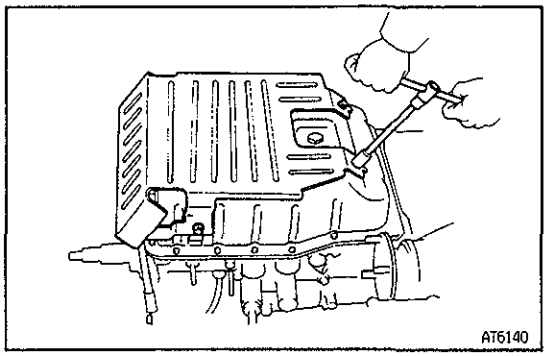


37. INSTALL OIL PAN

(a) Remove any packing material and be careful not to drop oil on the contacting surface of the transmission case and oil pan.

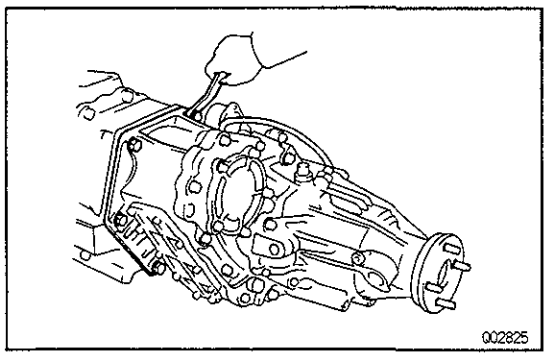
(b) Apply seal packing to the oil pan.
Seal packing: Part No. 08826 — 00090, THREE BOND 1281B or equivalent

(c) Install and torque the twenty bolts.
Torque: 6.9 N·m (70 kgf·cm, 61 in.·lbf)



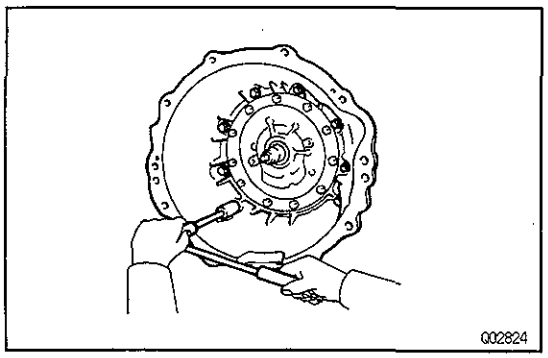
38. INSTALL OIL PAN PROTECTOR

Install the protector with the four bolts.



39. INSTALL TRANSFER ASSEMBLY

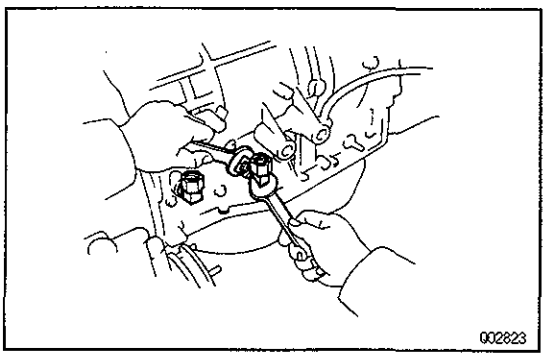
Install the transfer assembly with six bolts.



40. INSTALL TRANSMISSION HOUSING

(a) Install the transmission housing with the eight bolts.
NOTICE: Be careful do not dammage the two O—rings around the oil pump body when installing the transmission housing.
Torque: 64 N·m (650 kgf·cm, 47 ft·lbf)

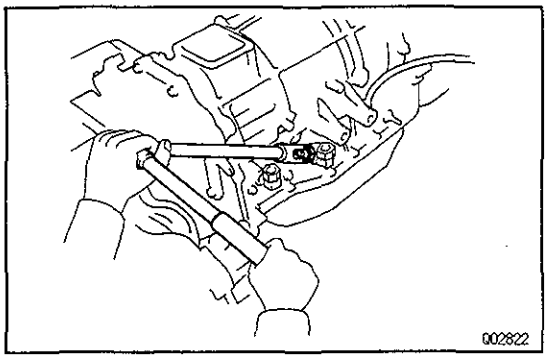
(b) Install the throttle cable to the transmission case with the bolt.



41. INSTALL TWO TRANSMISSION OIL COOLER UNIONS

(a) Coat new O—rings with ATF, and install it to each union.

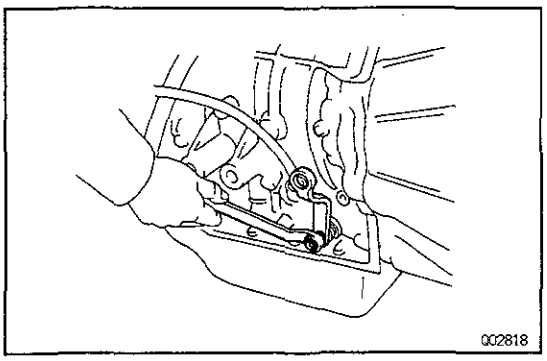
(b) Install the two unions.
Torque: 29 N·m (300 kgf·cm, 22 ft·lbf)



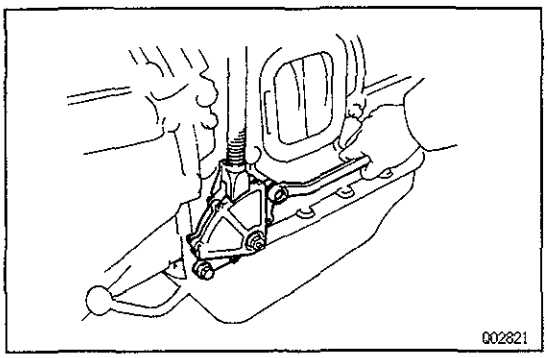
42. INSTALL A/T FLUID TEMPERATURE SENSOR

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

(b) Install the sensor to the front union.
Torque: 34 N·m (350 kgf·cm, 25 ft·lbf)

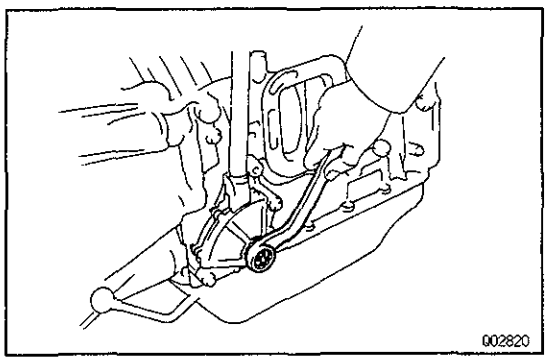


43. INSTALL CONTROL SHAFT LEVER
Torque: 13 N·m (130 kgf·cm, 9 ft·lbf)

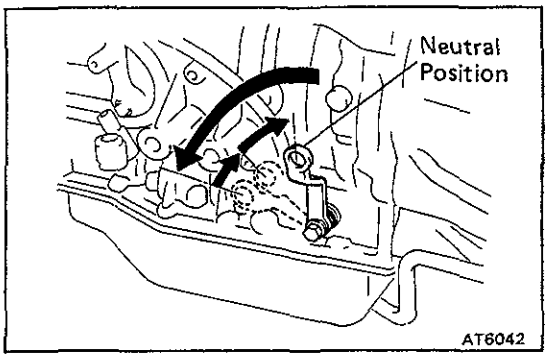


44. INSTALL NEUTRAL START SWITCH

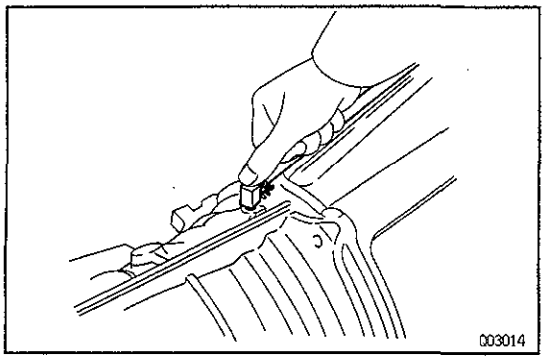
(a) Temporarily install the neutral start switch with the two bolts.



(b) Install the grommet, anew lock washer and the nut.
Torque: 6.9 N·m (70 kgf·cm, 61 in.·lbf)



(c) Fully turn the control shaft lever back and return two notches. It is now neutral position.



45. INSTALL BREATHER PLUG AND HOSE

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

(b) Install the breather plug and hose.