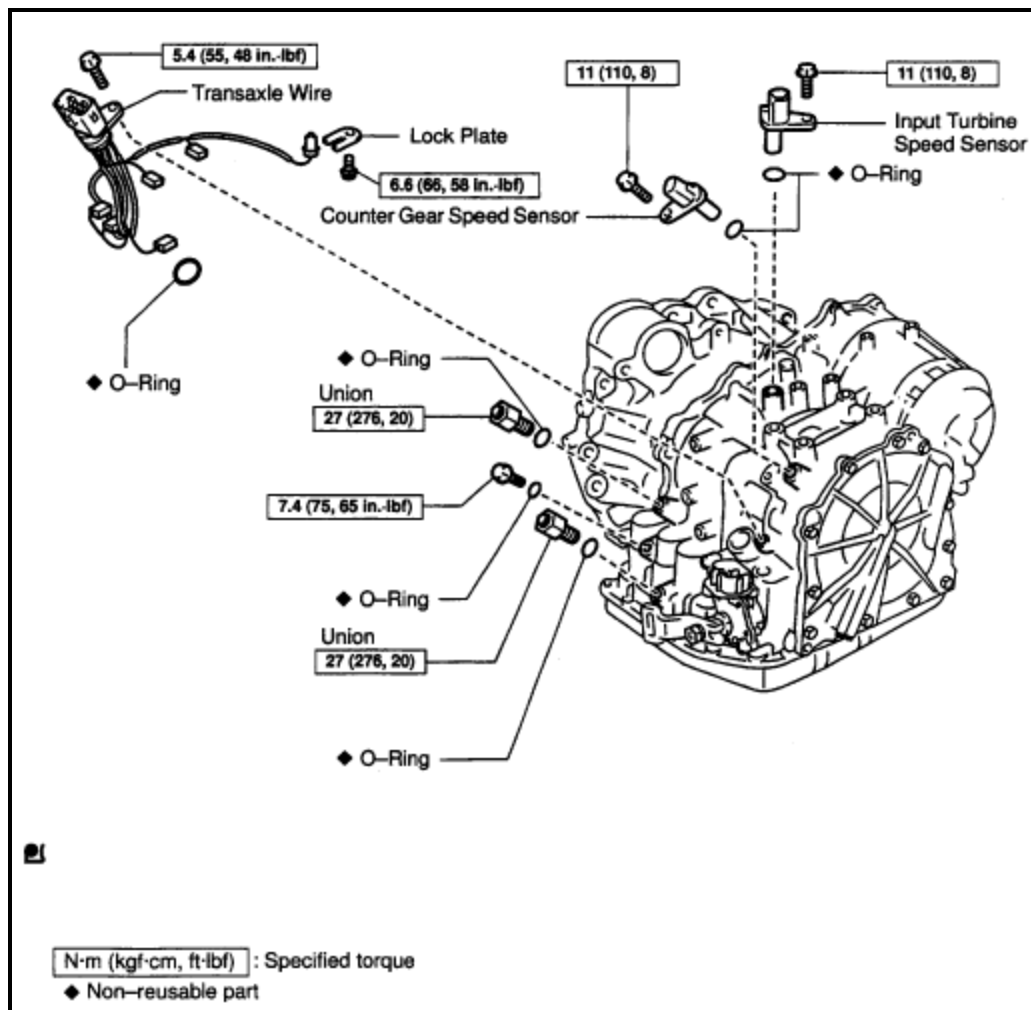
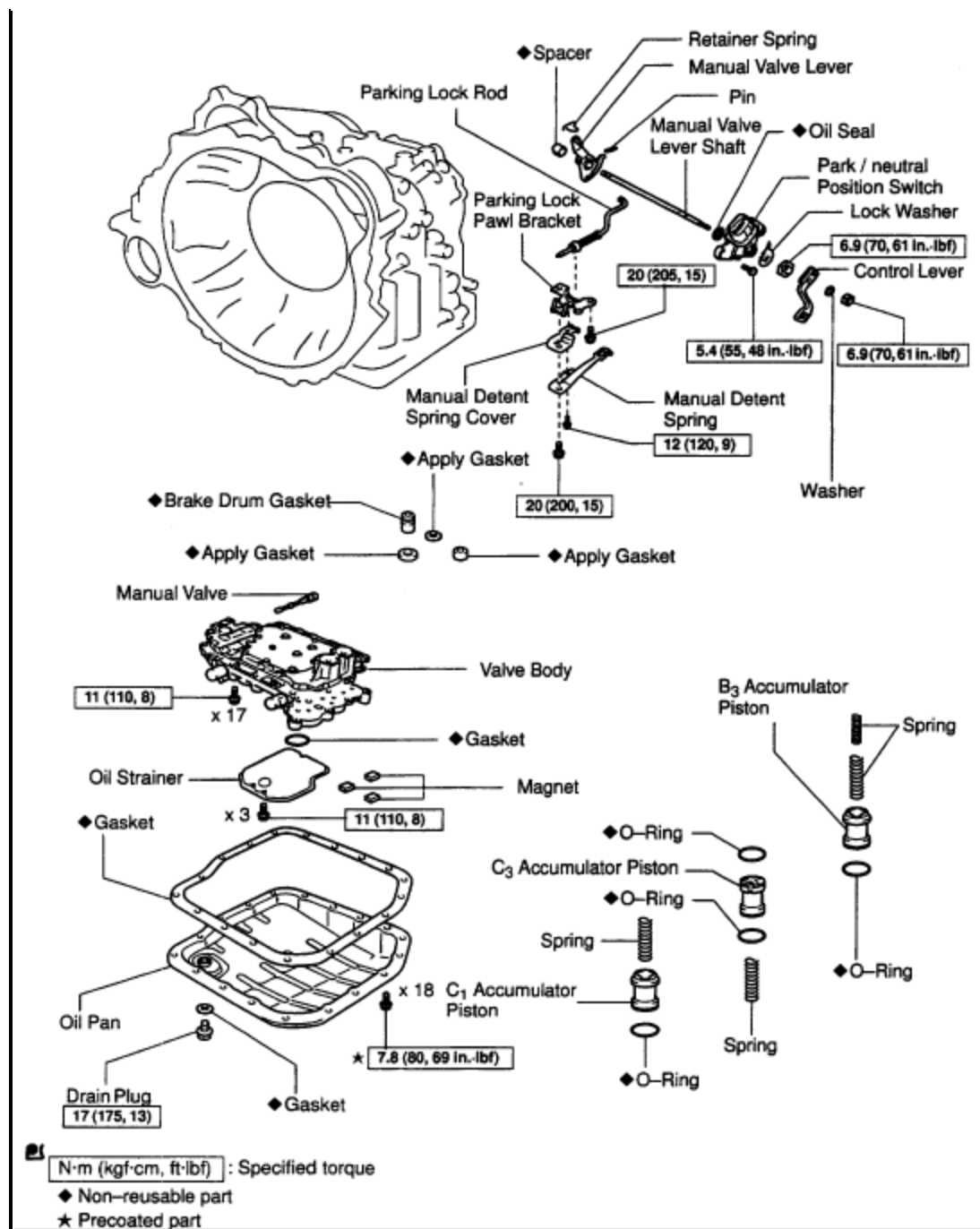


Part 2 of 2



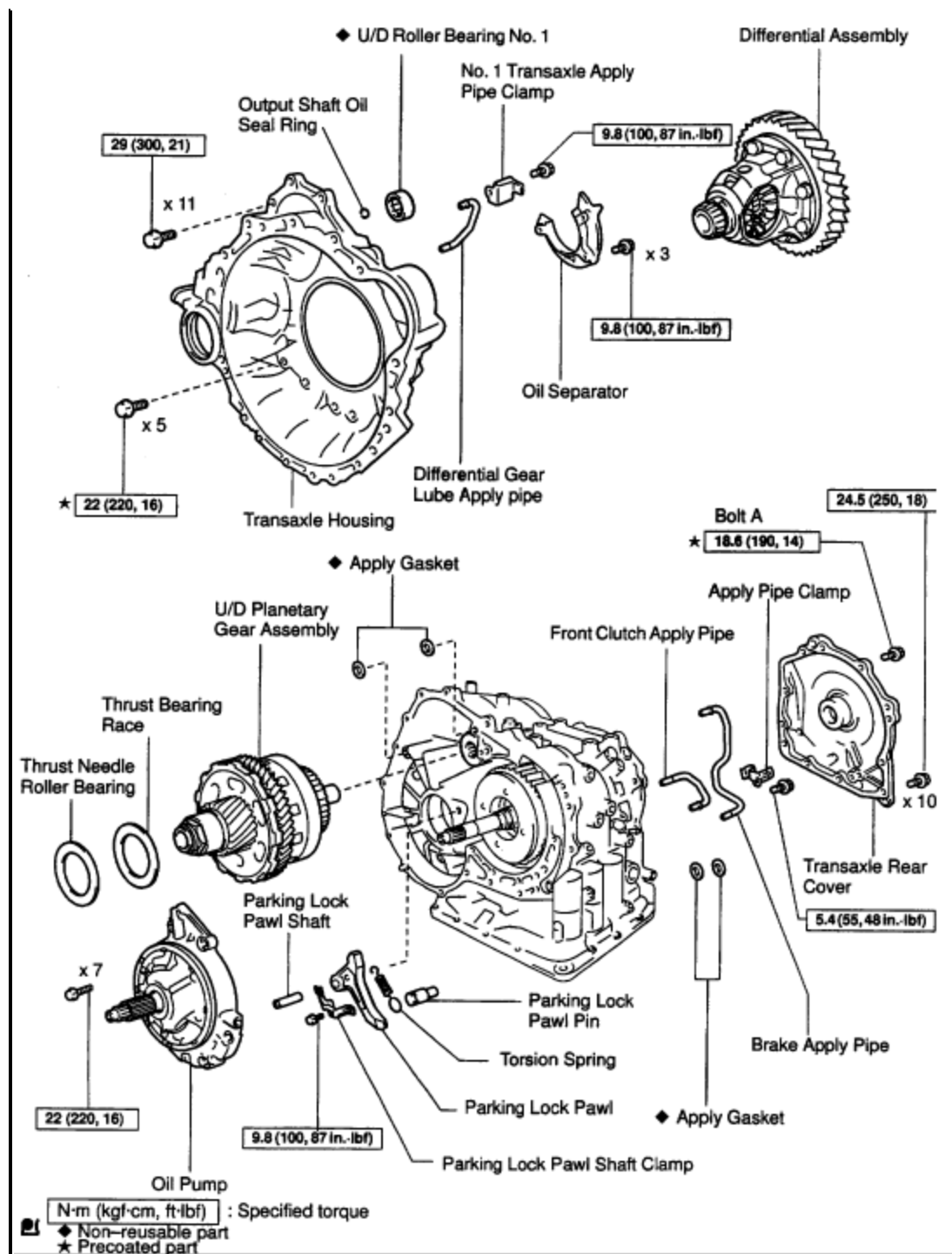
ZOOM

SIZED FOR PRINT



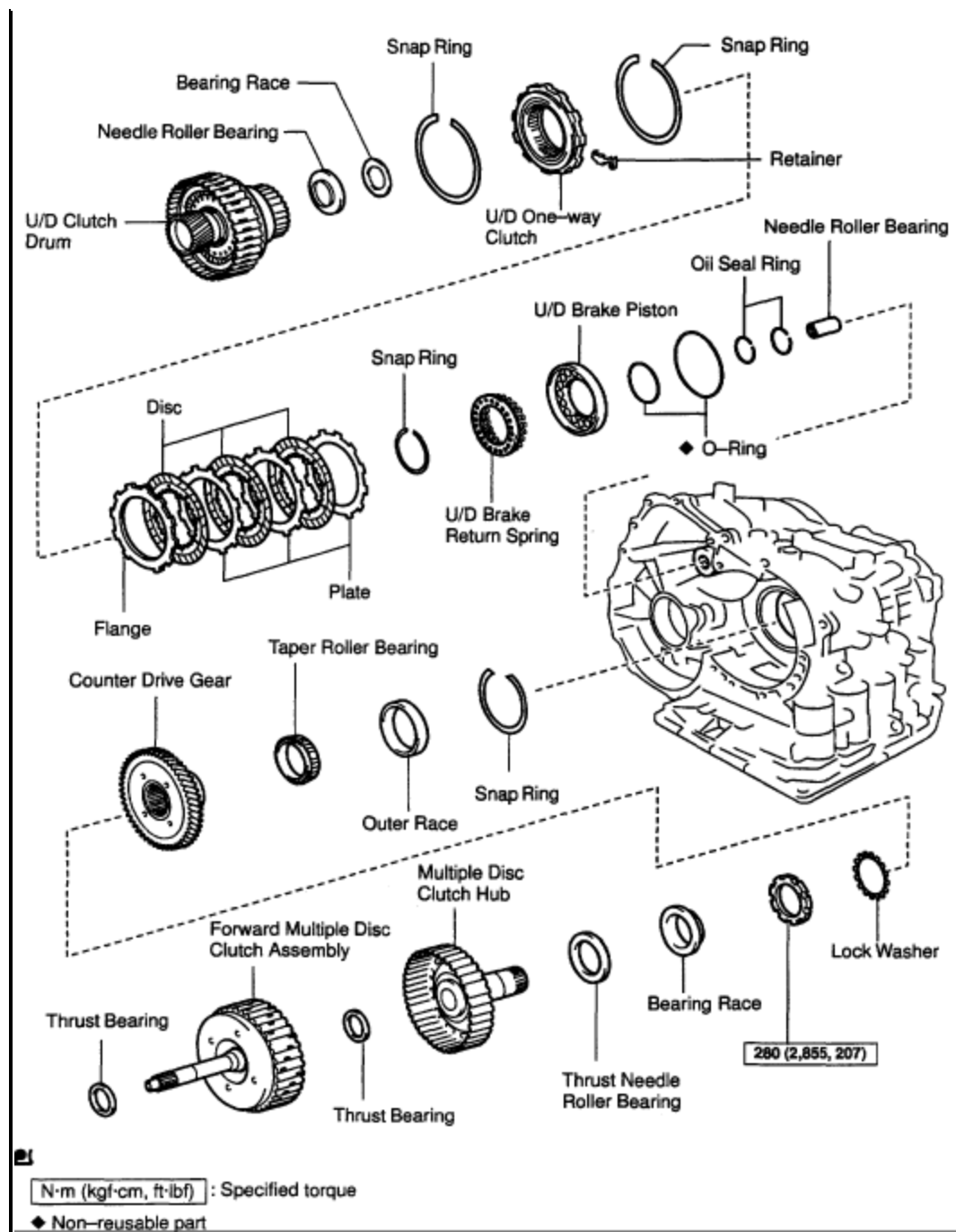
ZOOM

SIZED FOR PRINT



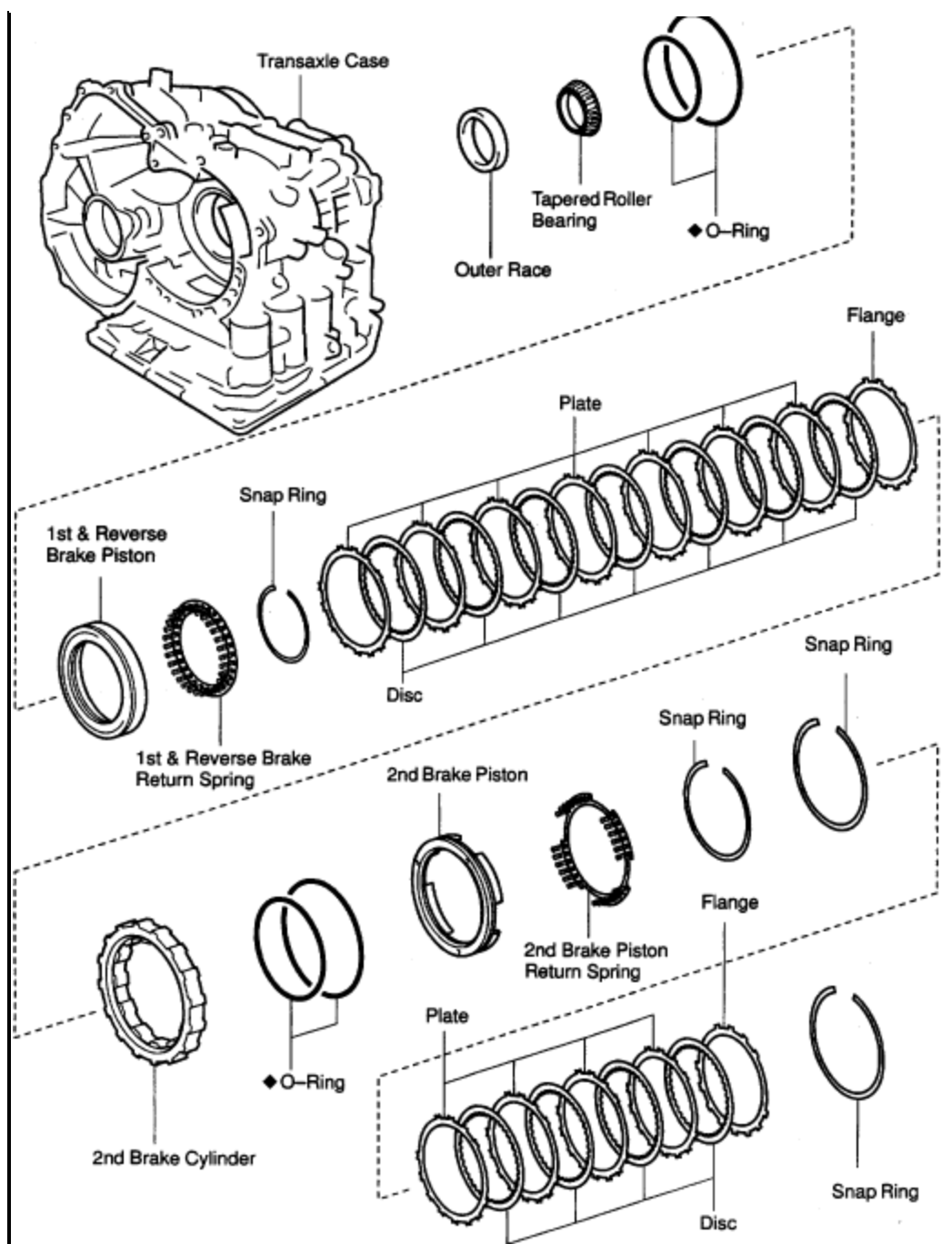
ZOOM

SIZED FOR PRINT



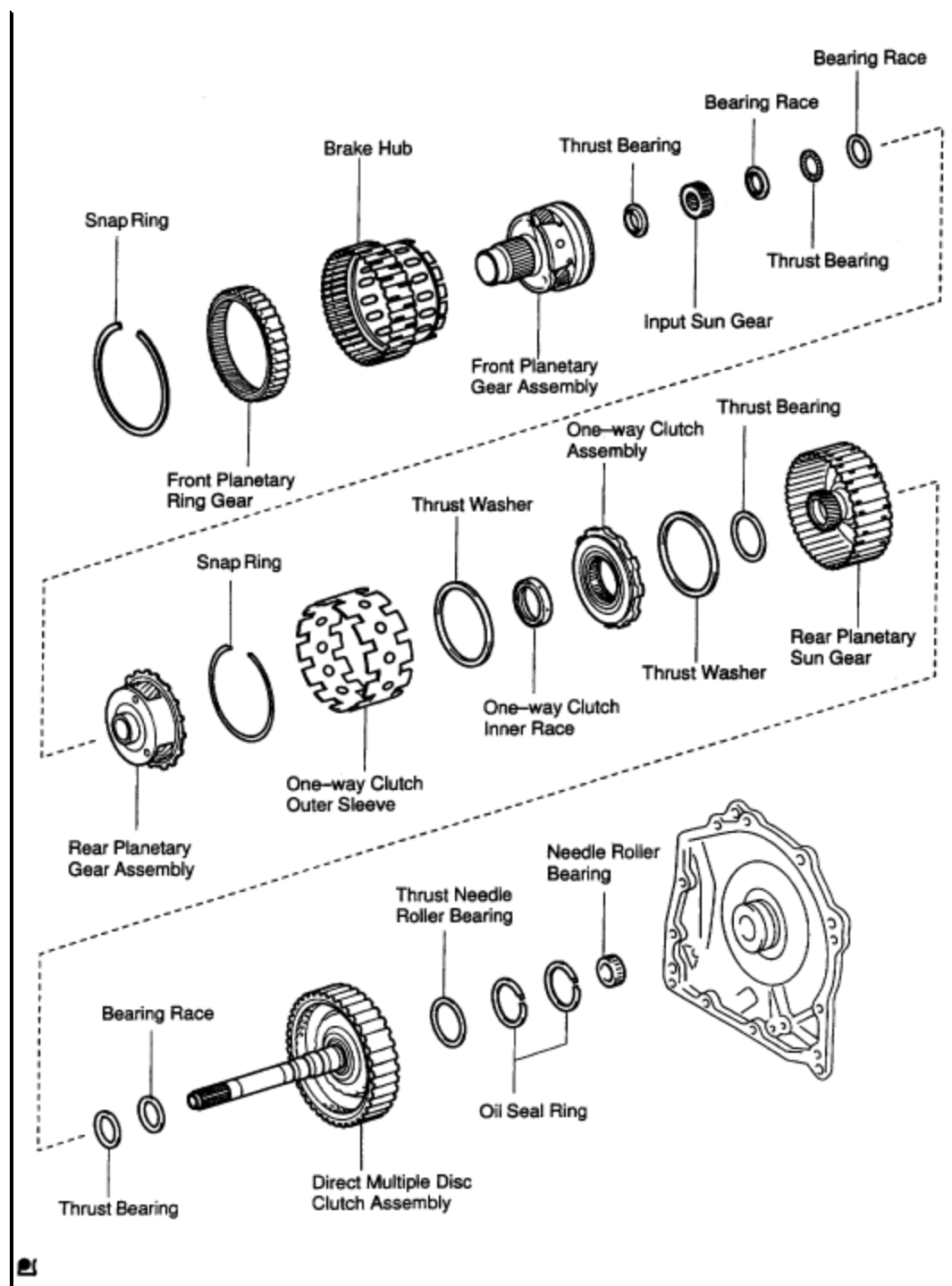
ZOOM

SIZED FOR PRINT



ZOOM

SIZED FOR PRINT



ZOOM

SIZED FOR PRINT

DISASSEMBLY

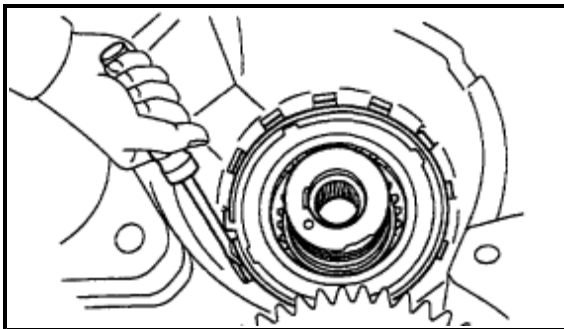




ZOOM

SIZED FOR PRINT

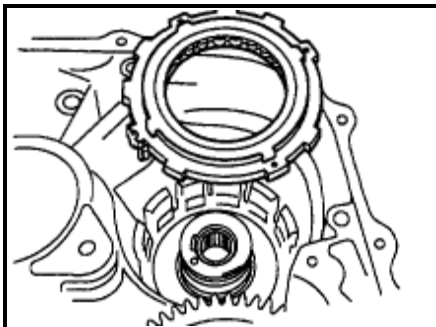
25. REMOVE U/D [CLUTCH](#) ASSEMBLY Remove the U/D [clutch](#) assembly, the thrust bearing and the bearing race from the transaxle [case](#).
26. REMOVE ONE-WAY CLUTCH NO. 2



ZOOM

SIZED FOR PRINT

- a. Using a screwdriver, remove the snap ring.

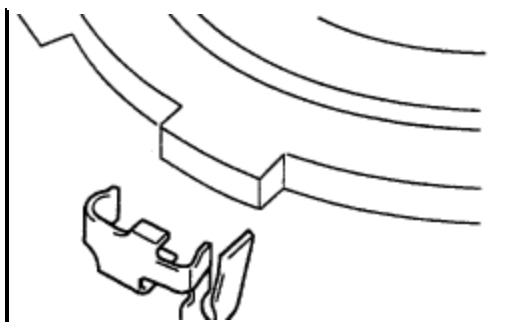


ZOOM

SIZED FOR PRINT

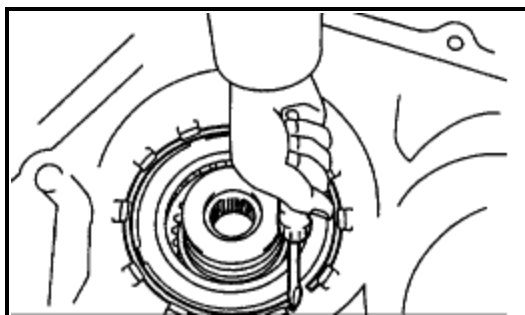
- b. Remove the one-way clutch No. 2 from the transaxle [case](#).



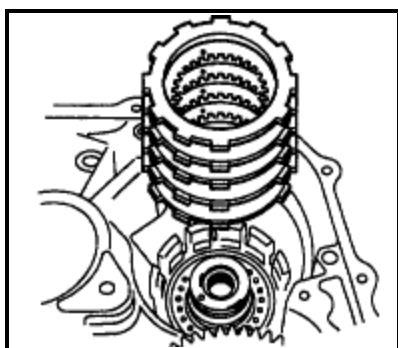
[ZOOM](#)[SIZED FOR PRINT](#)

- c. Remove the outer race retainer from the one-way clutch No. 2.

27. REMOVE U/D BRAKE

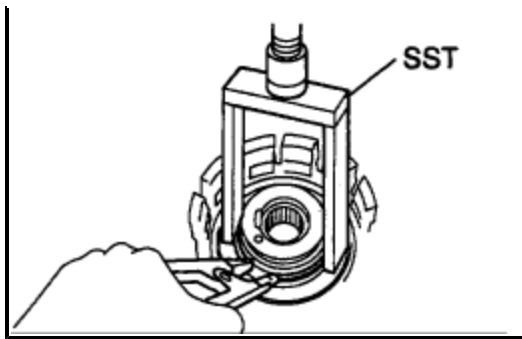
[ZOOM](#)[SIZED FOR PRINT](#)

- a. Using a screwdriver, remove the snap ring.

[ZOOM](#)[SIZED FOR PRINT](#)

- b. Remove the flange, 4 discs and 4 plates from the transaxle [case](#).

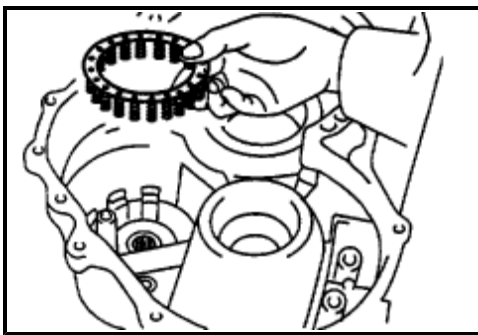




ZOOM

SIZED FOR PRINT

- c. Using SST, a snap ring expander and a press, remove the snap ring. SST 09387-00020

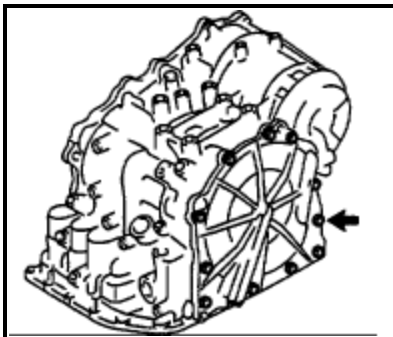


ZOOM

SIZED FOR PRINT

- d. Remove the piston return spring.

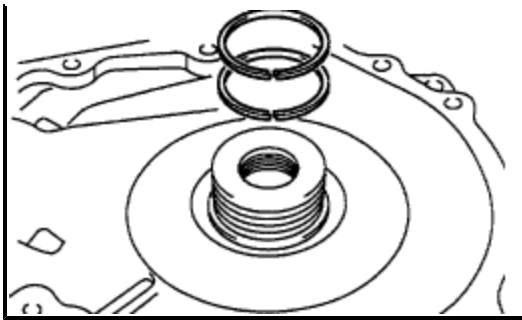
28. REMOVE TRANSAXLE REAR COVER



ZOOM

SIZED FOR PRINT

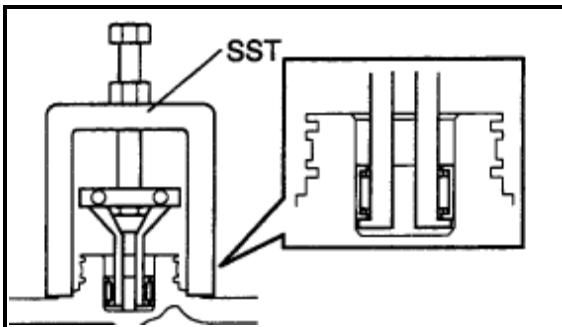
- a. Remove the 11 bolts.
b. Tap on the circumference of the rear cover with a plastic hammer to remove the transaxle rear cover from the transaxle [case](#).



ZOOM

SIZED FOR PRINT

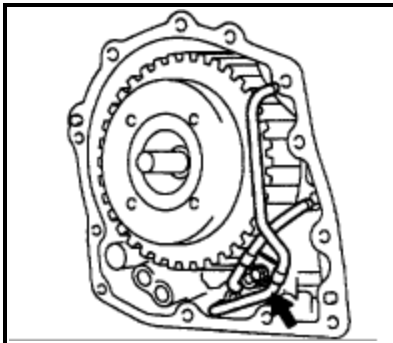
- c. Remove the 2 oil seal rings from the transaxle rear cover.



ZOOM

SIZED FOR PRINT

- d. Using SST, remove the needle-roller bearing. SST 09387-00040 (09387-01010, 09387-01030, 09387-01040)



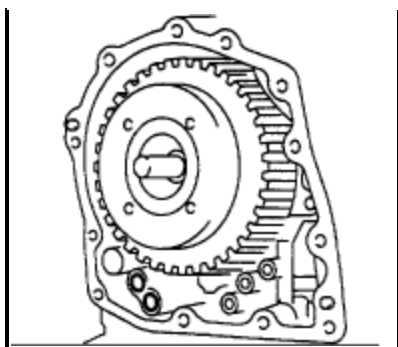
ZOOM

SIZED FOR PRINT

29. REMOVE BRAKE APPLY PIPE

- a. Remove a bolt, clamp and 2 brake apply pipes.



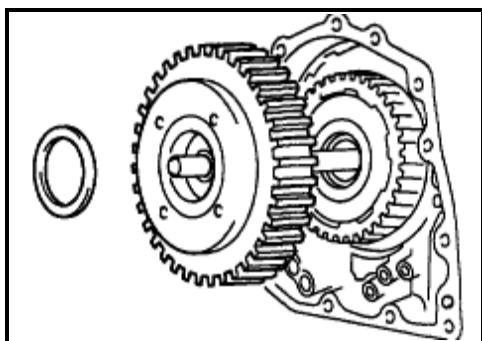


ZOOM

SIZED FOR PRINT

30. REMOVE TRANSAXLE [CASE](#) APPLY GASKET Using a screwdriver, remove the 2 apply gaskets.

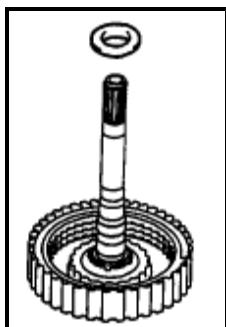
31. REMOVE [DIRECT CLUTCH](#) ASSEMBLY



ZOOM

SIZED FOR PRINT

a. Remove the thrust bearing and the [direct clutch](#) from the transaxle [case](#).



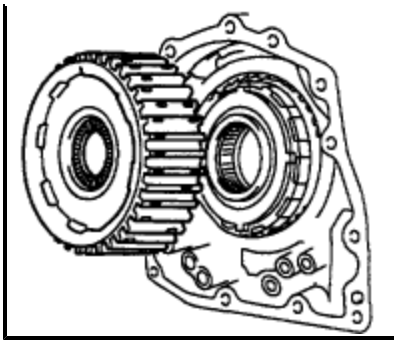
ZOOM

SIZED FOR PRINT

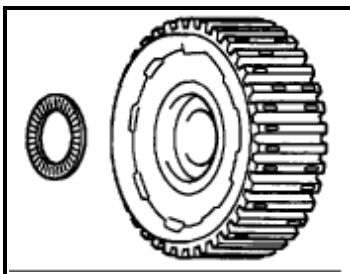
b. Remove the bearing race from the [direct clutch](#).

32. REMOVE REAR PLANETARY SUN GEAR ASSEMBLY

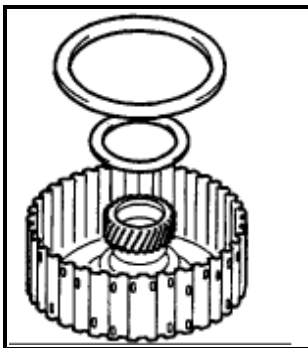


[ZOOM](#)[SIZED FOR PRINT](#)

- a. Remove the rear planetary sun gear assembly from the transaxle [case](#).

[ZOOM](#)[SIZED FOR PRINT](#)

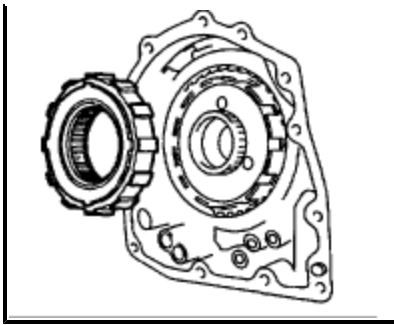
- b. Remove the thrust bearing from the rear planetary sun gear.

[ZOOM](#)[SIZED FOR PRINT](#)

- c. Remove the thrust washer No. 1 and thrust bearing from the rear planetary sun gear.

33. REMOVE ONE-WAY CLUTCH NO.1

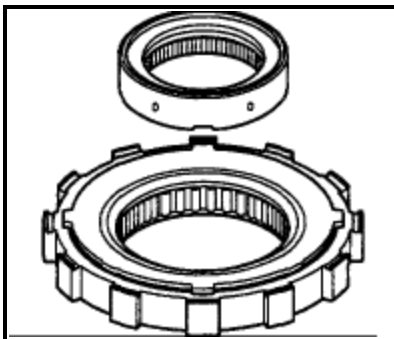




ZOOM

SIZED FOR PRINT

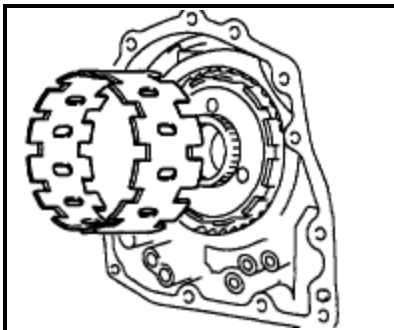
- a. Remove the one-way clutch No.1 from the transaxle [case](#).



ZOOM

SIZED FOR PRINT

- b. Remove the inner race from the one-way clutch No. 1.

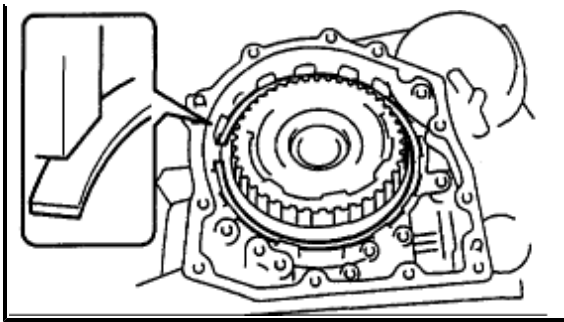


ZOOM

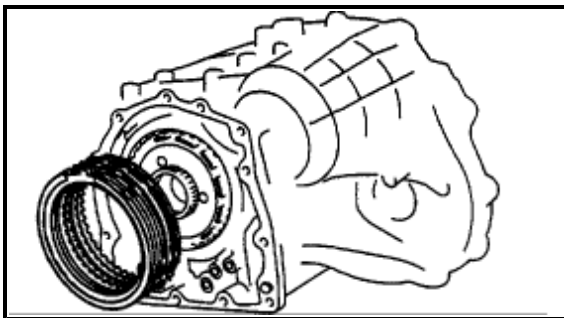
SIZED FOR PRINT

34. REMOVE ONE-WAY CLUTCH OUTER SLEEVE
35. REMOVE 2ND BRAKE



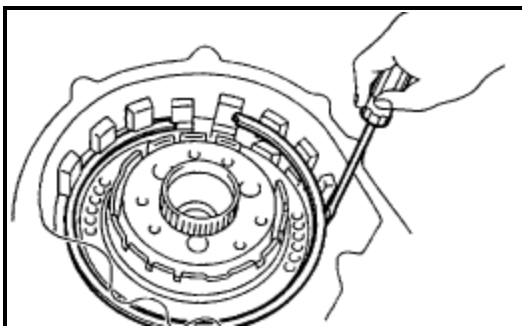
[ZOOM](#)[SIZED FOR PRINT](#)

- a. Using a screwdriver, remove the snap ring.

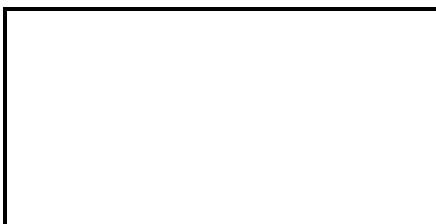
[ZOOM](#)[SIZED FOR PRINT](#)

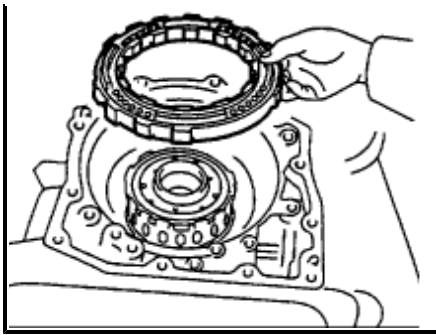
- b. Remove the flange, 4 discs and 4 plates from the transaxle [case](#).

36. REMOVE 2ND BRAKE CYLINDER

[ZOOM](#)[SIZED FOR PRINT](#)

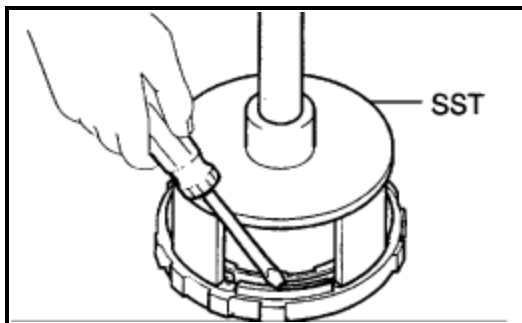
- a. Using a screwdriver, remove the snap ring.



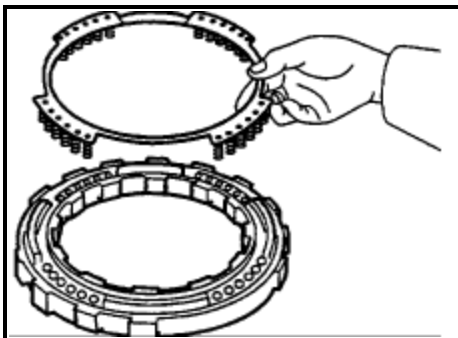
[ZOOM](#)[SIZED FOR PRINT](#)

- b. Remove the 2nd brake cylinder from the transaxle.

37. REMOVE 2ND BRAKE PISTON

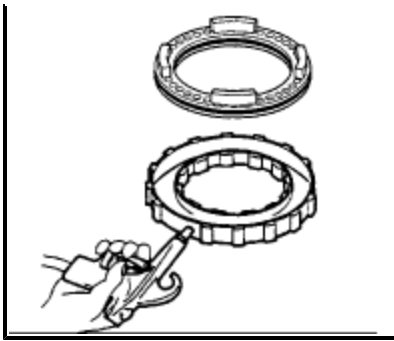
[ZOOM](#)[SIZED FOR PRINT](#)

- a. Using SST, a press and a screwdriver, remove the snap ring. SST 09387-00060

[ZOOM](#)[SIZED FOR PRINT](#)

- b. Remove the return spring.





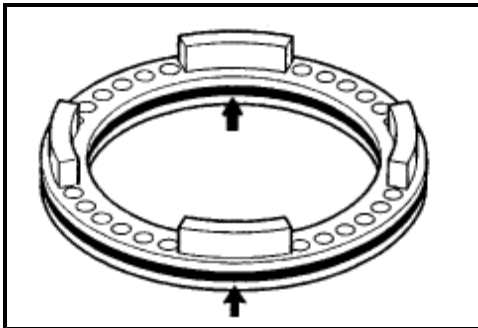
ZOOM

SIZED FOR PRINT

- c. Apply compressed air (**392 kPa, 4.0 kgf/cm², 57 psi**) to the 2nd brake cylinder to remove 2nd brake piston.

NOTICE:

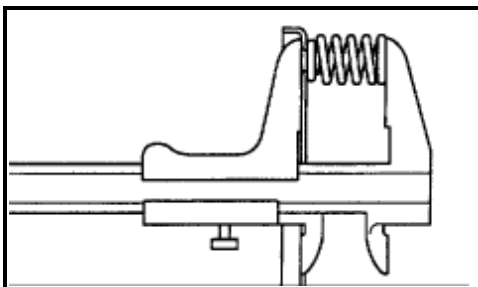
- Blowing of air may cause the piston to jump-out. When removing the piston, hold it with your hand using a waste cloth.
- Take care not to splash [ATF](#) when air-blowing.



ZOOM

SIZED FOR PRINT

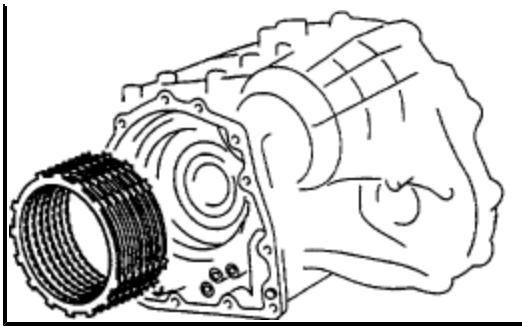
- d. Remove the 2 O-rings from the 2nd brake piston.



ZOOM

SIZED FOR PRINT

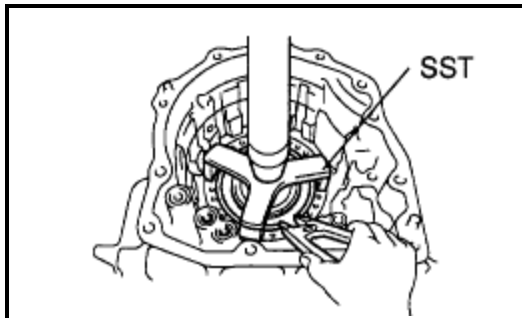
38. CHECK 2ND BRAKE PISTON RETURN SPRING Using vernier calipers, measure the free length of the spring together with the spring seat. Standard free length: **16.61 mm (0.6539 inch)**
39. REMOVE 1ST & REVERSE BRAKE



ZOOM

SIZED FOR PRINT

- a. Remove the flange, 5 discs and 5 plates.

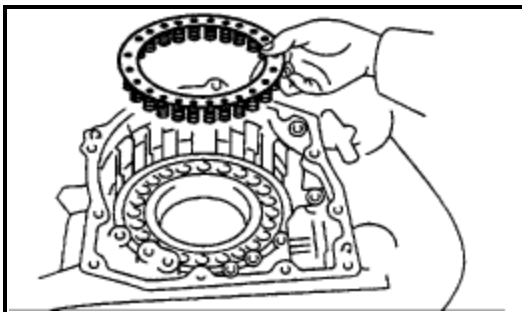


ZOOM

SIZED FOR PRINT

- b. Using SST, a press and a snap ring expander, remove the snap ring and the piston return spring. SST 09387-00070
NOTICE:

- Stop the press when the spring sheet is lowered **1 - 2 mm (0.039 - 0.078 inch)** from the snap ring groove, preventing the spring sheet from deforming.
- Do not expand the snap ring excessively.

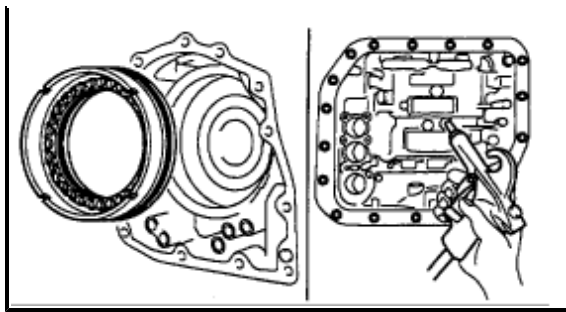


ZOOM

SIZED FOR PRINT

- c. Remove the return spring.





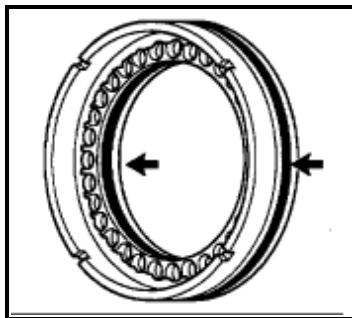
ZOOM

SIZED FOR PRINT

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

NOTICE:

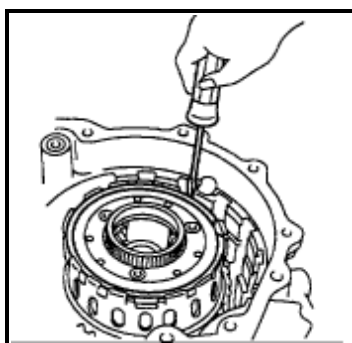
- Blowing of the air may cause the piston to jump -out. When removing the piston, hold it with your hand using a waste cloth.
- Take care not to splash [ATF](#) when air blowing.



ZOOM

SIZED FOR PRINT

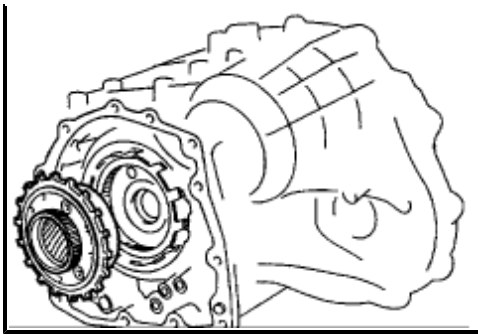
- e. Remove 2 O-rings from the 1st & reverse brake piston.

40. REMOVE REAR PLANETARY GEAR

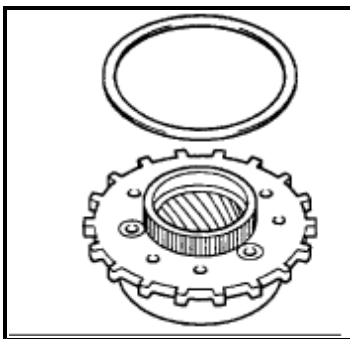
ZOOM

SIZED FOR PRINT

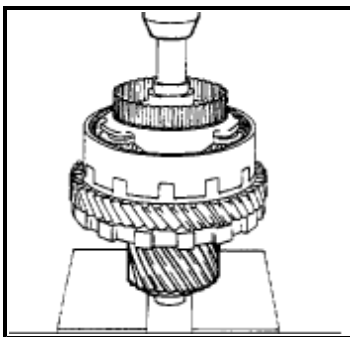
- a. Using a screwdriver, remove the snap ring.

[ZOOM](#)[SIZED FOR PRINT](#)

- b. Remove the rear planetary gear from the transaxle [case](#).

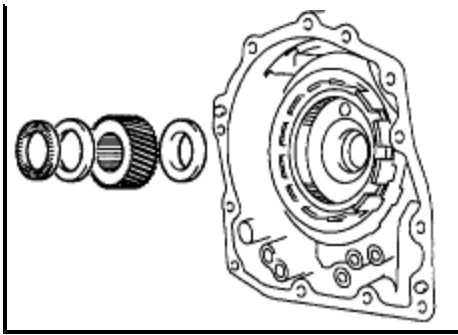
[ZOOM](#)[SIZED FOR PRINT](#)

- c. Remove the thrust washer No. 2 from the rear planetary gear.

[ZOOM](#)[SIZED FOR PRINT](#)

- d. Remove the bearing race from the rear planetary gear.





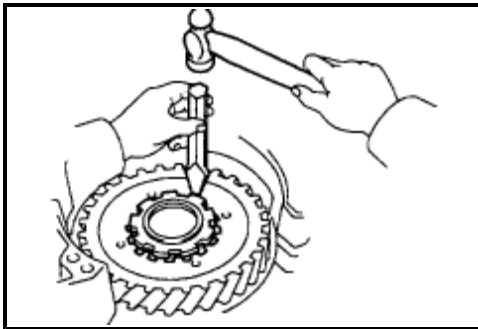
ZOOM

SIZED FOR PRINT

41. REMOVE FRONT PLANETARY SUN GEAR

- a. Remove the 2 thrust bearings, the bearing race and the front planetary sun gear from the transaxle [case](#).

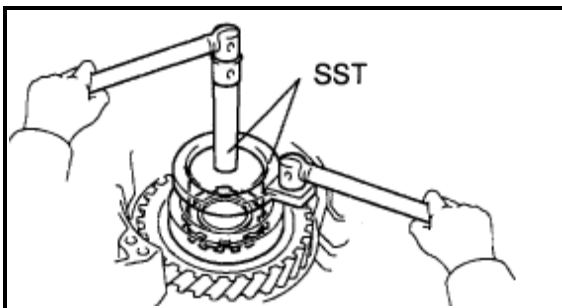
42. REMOVE FRONT PLANETARY GEAR ASSEMBLY AND BRAKE HUB



ZOOM

SIZED FOR PRINT

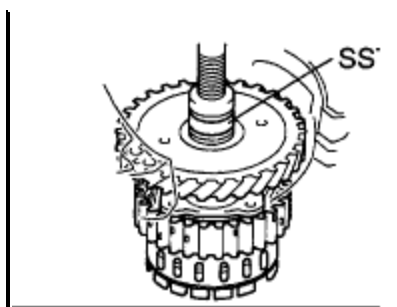
- a. Using a chisel and a hammer, unstick the lock washer. **NOTICE:** Push down all claws of the washer. Otherwise SST can not be fully pressed against the nut and can not loosen the nut.



ZOOM

SIZED FOR PRINT

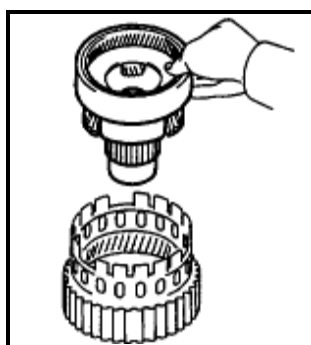
- b. Using SST, remove the nut. SST 09387-00030, 09387-00080
- c. Remove the lock washer.



ZOOM

SIZED FOR PRINT

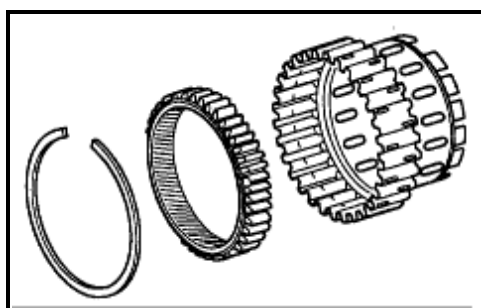
- d. Using SST and a press, remove the front planetary gear assembly from the counter drive gear. SST 09950-60010 (09951-00450)



ZOOM

SIZED FOR PRINT

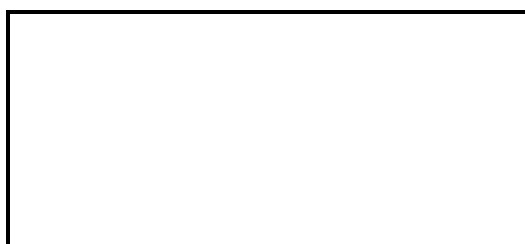
- e. Remove the front planetary gear.

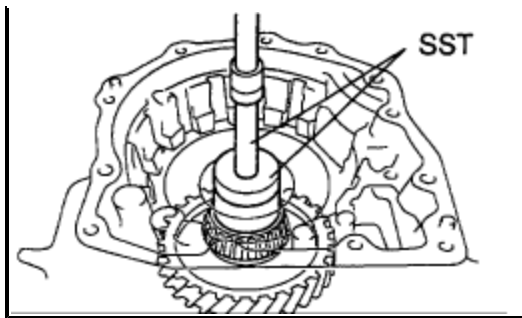


ZOOM

SIZED FOR PRINT

- f. Using a screwdriver, remove the snap ring.
g. Remove the front planetary [ring gear](#) from the brake hub.



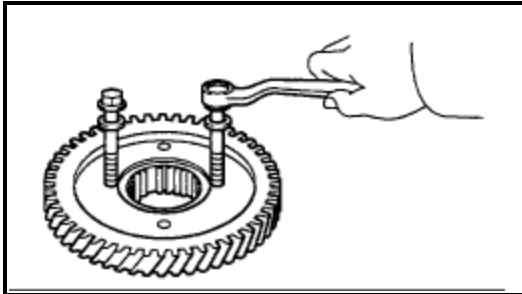


ZOOM

SIZED FOR PRINT

43. REMOVE COUNTER DRIVE GEAR

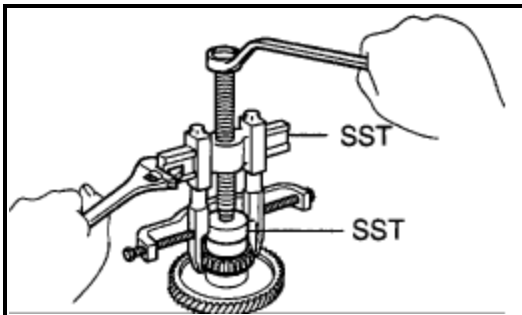
- a. Using SST and a press, remove the counter drive gear from the transaxle [case](#). SST 09950-60010 (09951-00600), 09950-70010 (09951-07100)



ZOOM

SIZED FOR PRINT

- b. As shown in the illustration, tighten 2 bolts evenly and make clearance of approximately **20.0 mm (0.797 inch)** between the counter drive gear and the inner race.

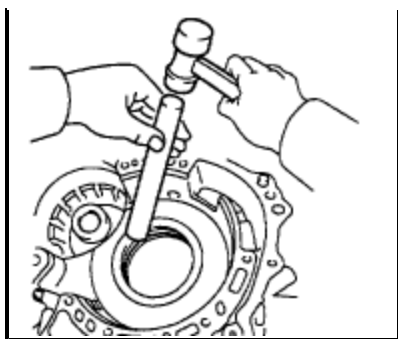


ZOOM

SIZED FOR PRINT

- c. Using SST, remove the tapered roller bearing RH. SST 09950-40011 (09951-04010, 09952-04010, 09953-04020, 09954-04010, 09955-04011, 09958-04011), 09950-60010 (09951-00600)

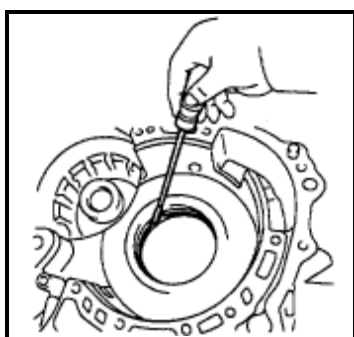




ZOOM

SIZED FOR PRINT

- d. Using a brass bar and a hammer, remove the 2 bearing outer races.

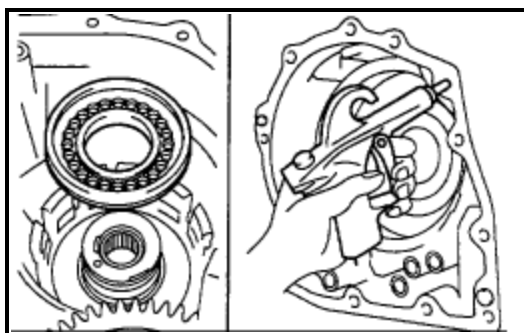


ZOOM

SIZED FOR PRINT

- e. Using a screwdriver, remove the snap ring from the transaxle [case](#).

44. REMOVE U/D BRAKE PISTON

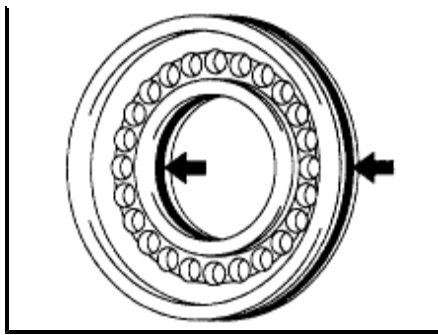


ZOOM

SIZED FOR PRINT

- a. Apply compressed air (**392 kPa, 4.0 kgf/cm², 57 psi**) to the transaxle [case](#) to remove the U/D brake piston.

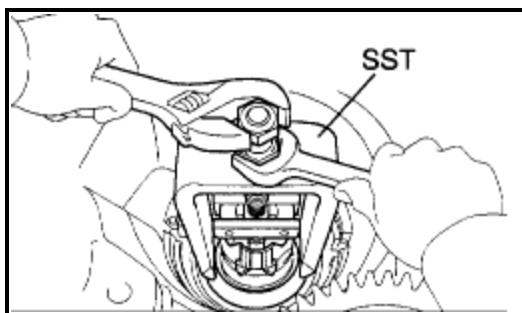




ZOOM

SIZED FOR PRINT

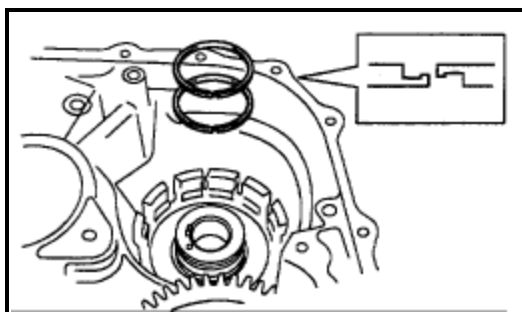
- b. Remove the 2 O-rings from the U/D brake piston.



ZOOM

SIZED FOR PRINT

- c. Using SST, remove the needle-roller bearing from the transaxle [case](#). SST 09387-00040, (09387-01020, 09387-01030, 09387-01040)



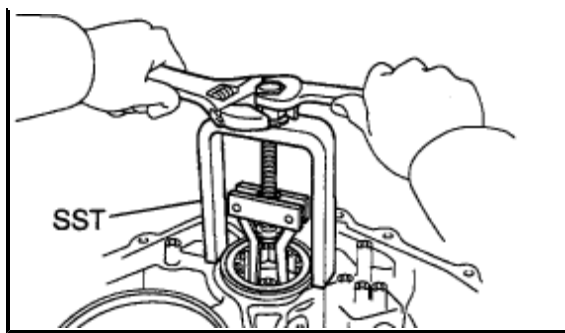
ZOOM

SIZED FOR PRINT

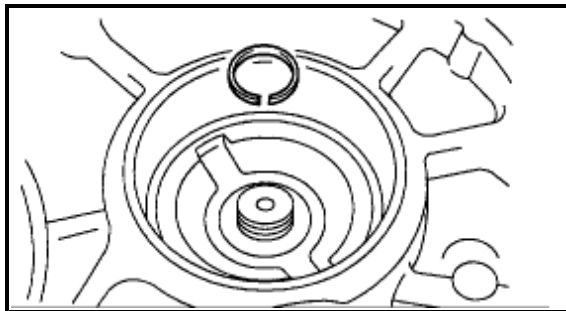
- d. Remove the 2 oil seal rings from the transaxle [case](#).

45. REMOVE U/D CYLINDRICAL ROLLER BEARING

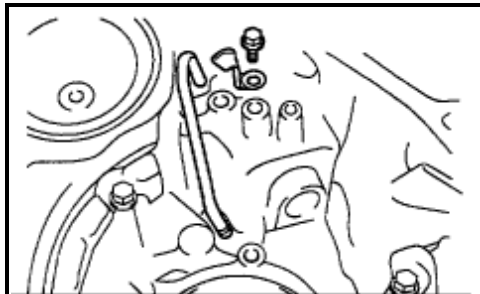


[ZOOM](#)[SIZED FOR PRINT](#)

- a. Using SST, remove the cylindrical roller bearing from the transaxle [case](#). SST 09514-35011

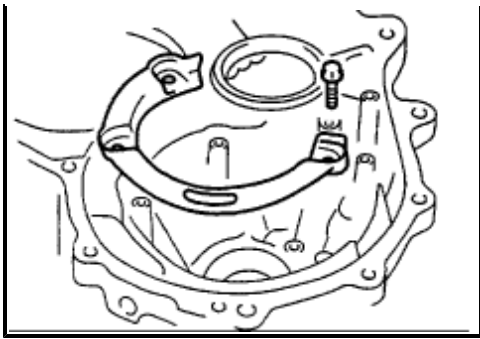
[ZOOM](#)[SIZED FOR PRINT](#)

- b. Remove the oil seal ring from the transaxle housing.

[ZOOM](#)[SIZED FOR PRINT](#)

46. REMOVE APPLY PIPE Remove the bolt, the clamp and the apply pipe from the transaxle [case](#).



[ZOOM](#)[SIZED FOR PRINT](#)

47. REMOVE OIL SEPARATOR

- a. Remove the 3 bolts and oil separator from the transaxle [case](#).