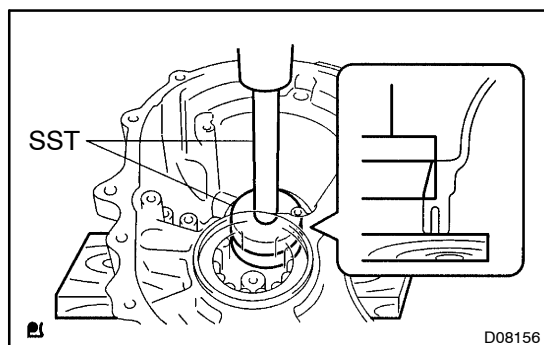
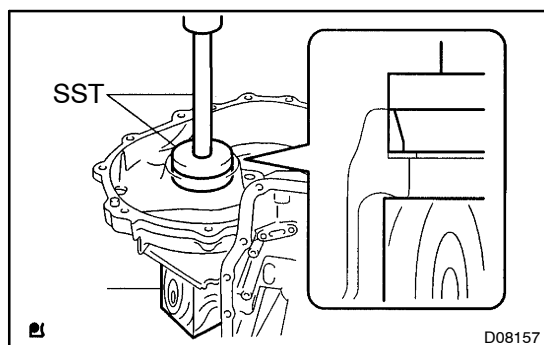




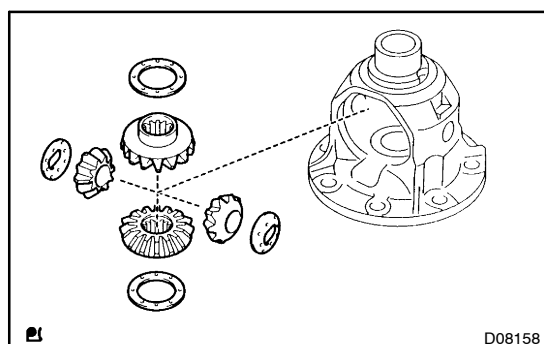
REASSEMBLY

1. INSTALL FRONT AND REAR BEARING RACE

- (a) Using SST and a press, press in the front bearing race.
SST 09950-60020 (09951-00680), 09950-70010 (09951-07150)

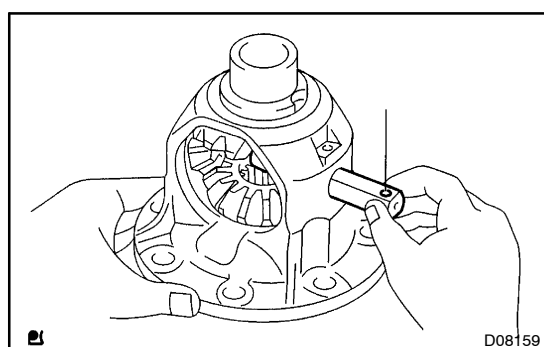


- (b) Install the plate washer to the transaxle case.
- (c) Using SST and a press, press in the rear bearing race.
SST 09950-60020 (09951-00720), 09950-70010 (09951-07150)

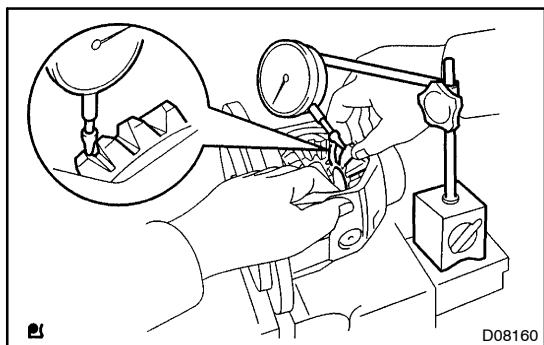


2. ASSEMBLE FRONT DEFERENTIAL CASE

- (a) Coat the front differential side gear thrust washer and front differential pinion thrust washer with ATF.
- (b) Install the 2 side gears, 2 pinions and 4 thrust washers to the differential case.



- (c) Install the pinion shaft No. 1 so that the hole for a straight pin will be aligned with the hole in the differential case.



- (d) Using a dial indicator, measure the backlash of side gear while holding the pinion toward the case.

Standard backlash: 0.05 – 0.20 mm (0.002 – 0.008 in.)

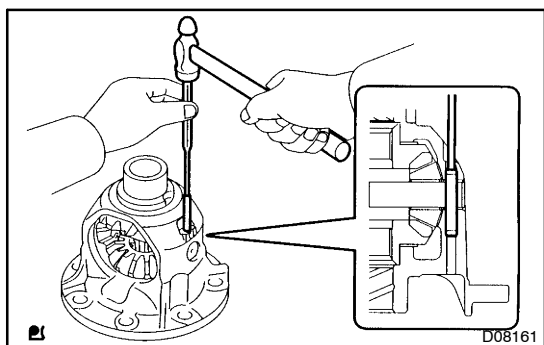
NOTICE:

Do not mount the surface of front differential case which contacts with bushing in a vise.

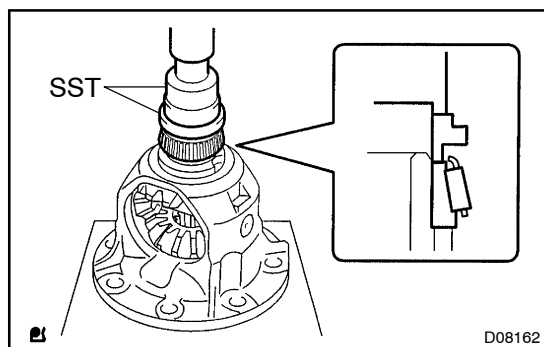
If the backlash is not within the specified value, refer to the table below and select a thrust washer which will ensure that the backlash is within the specified value.

Thrust washer thickness: mm (in.)

Mark	Thickness	Mark	Thickness
A	0.95 (0.0373)	D	1.10 (0.0433)
B	1.00 (0.0393)	E	1.15 (0.0453)
C	1.05 (0.0413)	F	1.20 (0.0472)

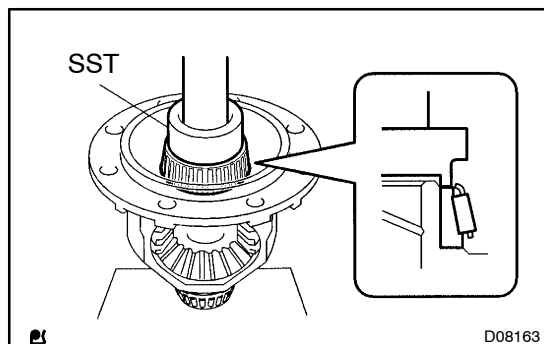


- (e) Using a pin punch and hammer, install the straight pin.



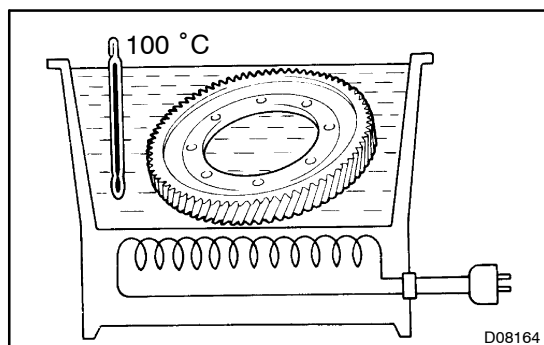
- (f) Using SST and a press, press in the front tapered roller bearing.

SST 09350-32014 (09351-32090, 09351-32120)



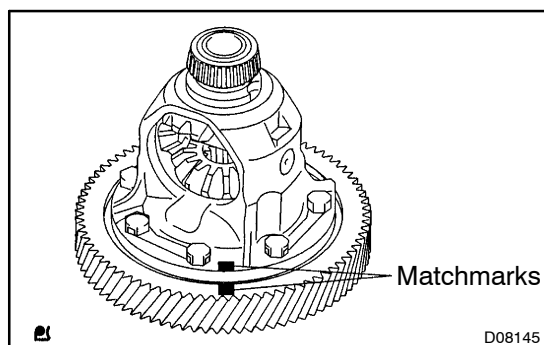
- (g) Using SST and a press, press in the rear tapered roller bearing.

SST 09350-32014 (09351-32150)

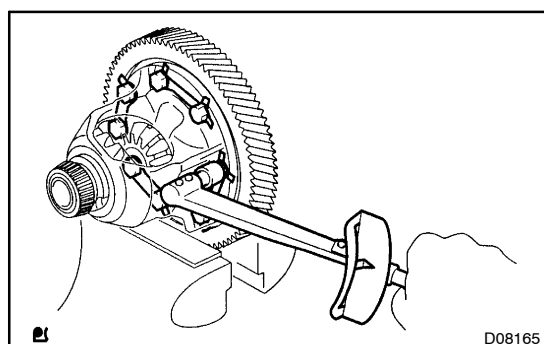


3. INSTALL DIFFERENTIAL RING GEAR

- (a) Clean the contact surfaces of the differential case and the ring gear.
- (b) Heat the ring gear in boiling water.
- (c) Carefully remove the ring gear from the boiling water.



- (d) Align the matchmarks on the differential case and ring gear and install the ring gear quickly.

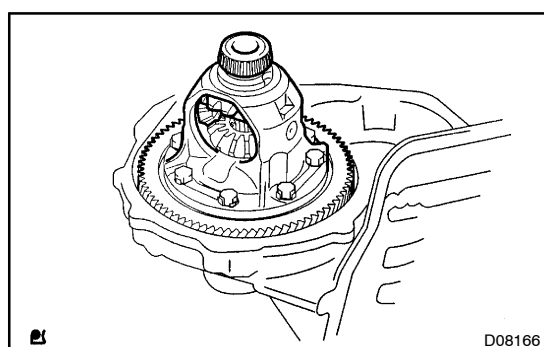


- (e) Install the 4 new lock plates and 8 bolts.

Torque: 96 N·m (980 kgf·cm, 71 ft·lbf)

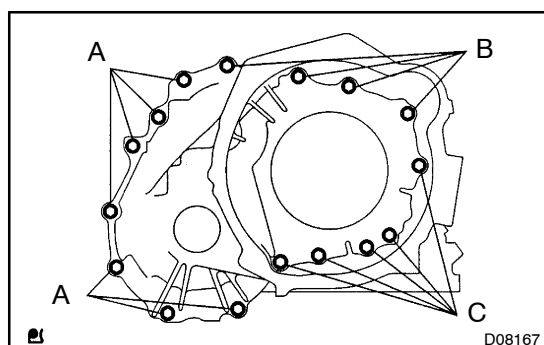
NOTICE:

- Tighten the bolts evenly in diagonal sequence over several times.
 - Tighten the bolt after the ring gear is cooled down.
- (f) Using a screwdriver and hammer, stake the lock plate.



4. CHECK PRELOAD OF DIFFERENTIAL CASE

- (a) Install the differential assembly to the transaxle case.
- (b) Install the transaxle housing to the transaxle case.



- (c) Install the 16 bolts.

Torque:

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

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

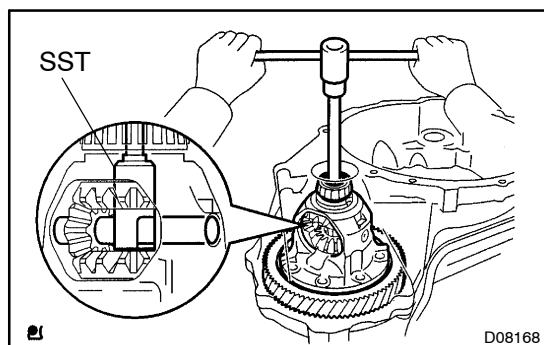
Bolt C: 22 N·m (224 kgf·cm, 16 ft·lbf)

Bolt length:

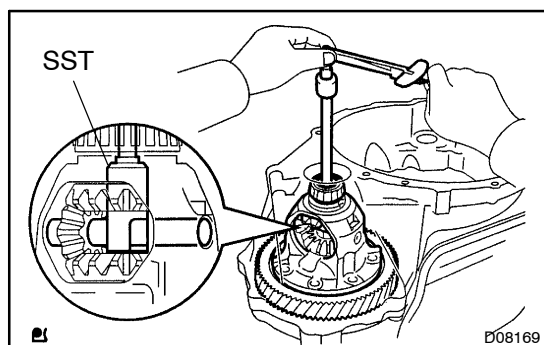
Bolt A: 42 mm (1.654 in.)

Bolt B: 50 mm (1.969 in.)

Bolt C: 50 mm (1.969 in.)



- (d) Using SST, turn the differential assembly right and left 2 or 3 times to allow the bearing settle.
SST 09564-32011



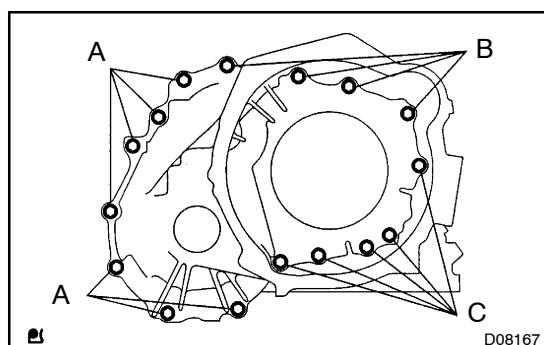
- (e) Using SST and torque wrench, measure the differential preload.
SST 09564-32011
Preload (at starting)
New bearing:
1.0 – 1.6 N·m (10.0 – 16.3 kgf·cm, 8.7 – 14.2 in.·lbf)
Reused bearing:
0.5 – 0.8 N·m (5.1 – 8.2 kgf·cm, 4.4 – 7.1 in.·lbf)

HINT:

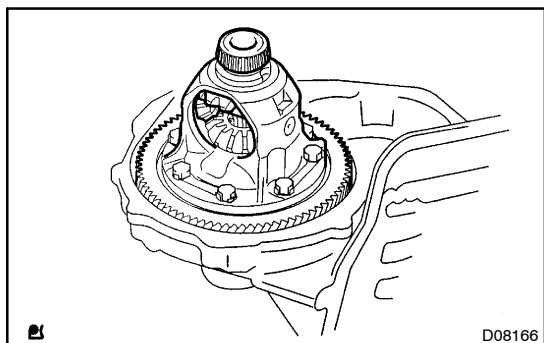
If the preload is not within the specified value, refer to the table below and select a thrust washer which preload is within the specified value.

Plate washer thickness: mm (in.)

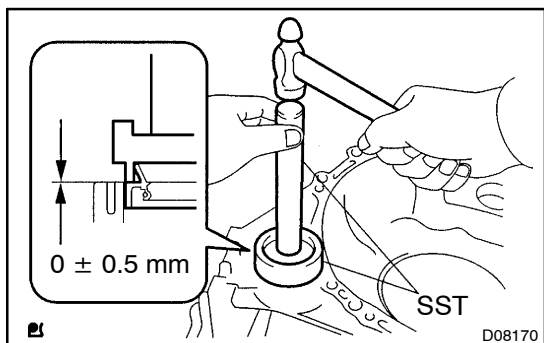
Mark	Thickness	Mark	Thickness
0	2.90 (0.1141)	A	3.40 (0.1339)
1	2.95 (0.1161)	B	3.45 (0.1358)
2	3.00 (0.1181)	C	3.50 (0.1378)
3	3.05 (0.1201)	D	3.55 (0.1398)
4	3.10 (0.1220)	E	3.60 (0.1417)
5	3.15 (0.1240)	F	3.65 (0.1437)
6	3.20 (0.1260)	G	3.70 (0.1457)
7	3.25 (0.1279)	H	3.75 (0.1476)
8	3.30 (0.1299)	J	3.80 (0.1496)
9	3.35 (0.1319)	–	–



- (f) Remove the 16 bolts and transaxle housing.



- (g) Remove the differential from the transaxle case.



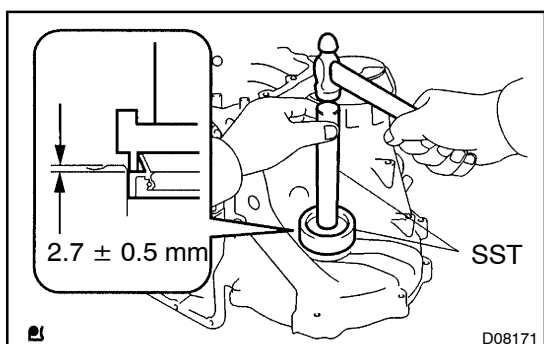
5. INSTALL TRANSAXLE HOUSING OIL SEAL

- (a) Using SST and a hammer, drive in a new oil seal.
SST 09350-32014 (09351-32150), 09950-70010
(09951-07150)

Oil seal drive in depth:

0 ± 0.5 mm (0 ± 0.0197 in.)

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



6. INSTALL DIFFERENTIAL SIDE BEARING RETAINER OIL SEAL NO. 1

- (a) Using SST and a hammer, drive in a new oil seal.
SST 09350-32014 (09351-32150), 09950-70010
(09951-07150)

Oil seal drive in depth:

2.7 ± 0.5 mm (0.1063 ± 0.0197 in.)

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