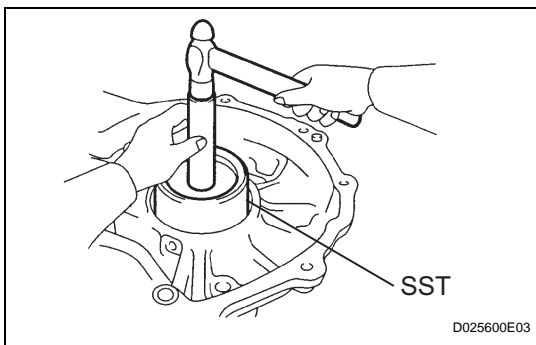


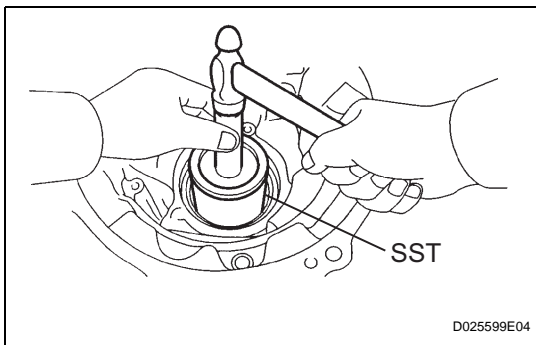
6. REMOVE FRONT DIFFERENTIAL SIDE GEAR

- (a) Remove the 2 front differential pinions, 2 pinion thrust washers, 2 front differential side gears and 2 side gear thrust washers from the differential case.



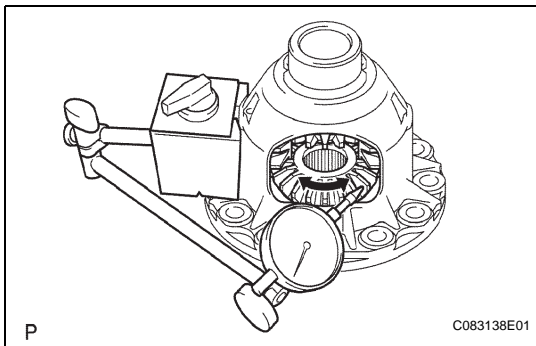
7. REMOVE DIFFERENTIAL SIDE BEARING RETAINER OIL SEAL

- (a) Place the transaxle case in a vise.
 - (b) Using SST, remove the oil seal.
- SST 09308-00010**



8. REMOVE TRANSAXLE HOUSING OIL SEAL

- (a) Place the transaxle housing in a vise.
 - (b) Using SST, remove the oil seal.
- SST 09308-00010**



INSPECTION

1. INSPECT FRONT DIFFERENTIAL SIDE GEAR BACKLASH

- (a) Using a dial indicator, measure the backlash of the side gear.

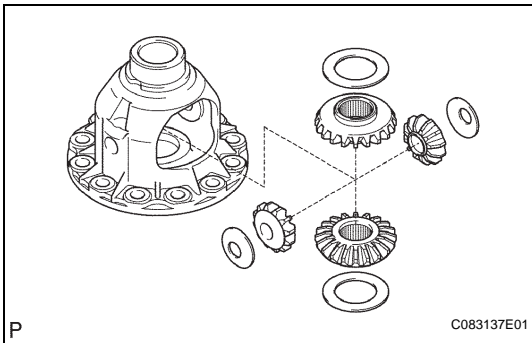
Standard backlash:
0.05 to 0.20 mm (0.0020 to 0.0070 in.)
Standard thrust washer thickness

Thickness	Thickness
1.0 mm (0.0394 in.)	1.2 mm (0.0472 in.)
1.1 mm (0.0433 in.)	1.3 mm (0.0512 in.)

REASSEMBLY

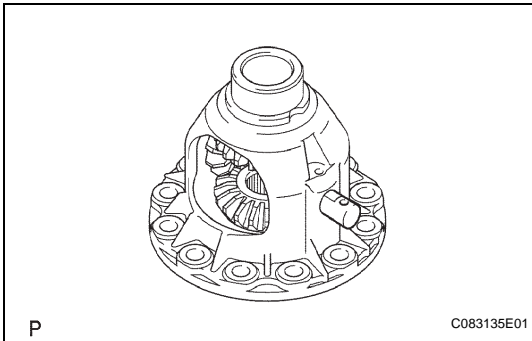
1. INSTALL FRONT DIFFERENTIAL SIDE GEAR

- (a) Coat the 2 front differential side gears, 2 side gear thrust washers, 2 front differential pinions and 2 pinion thrust washers with ATF, and install them to the differential case.



2. INSTALL NO. 1 FRONT DIFFERENTIAL PINION SHAFT

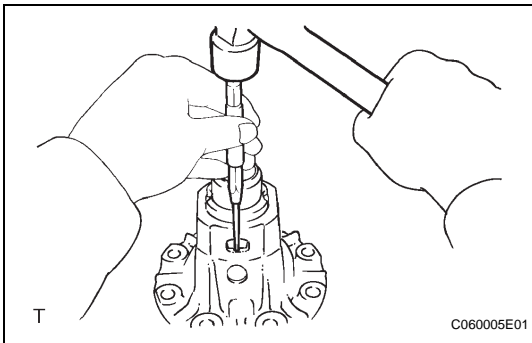
- (a) Coat the front differential pinion shaft with ATF, and install it to the differential case.



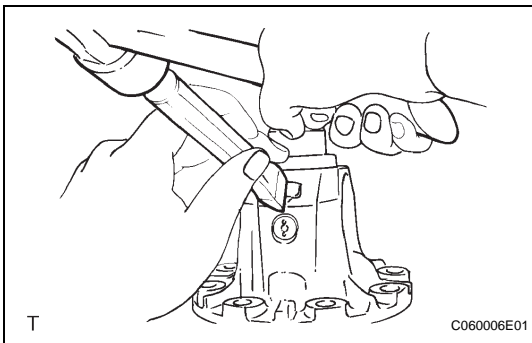
3. INSPECT FRONT DIFFERENTIAL SIDE GEAR BACKLASH (See page AX-257)

4. INSTALL FRONT DIFFERENTIAL PINION SHAFT STRAIGHT PIN

- (a) Using a pin punch and hammer, tap in the pinion shaft straight pin.



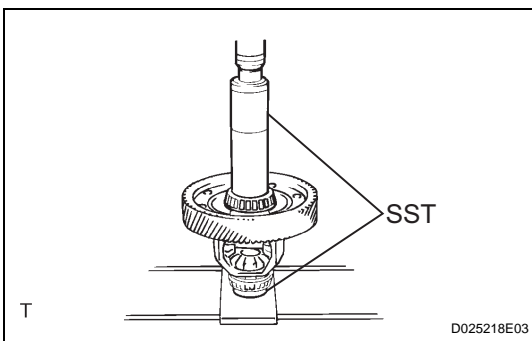
- (b) Using a chisel and hammer, stake the differential case.

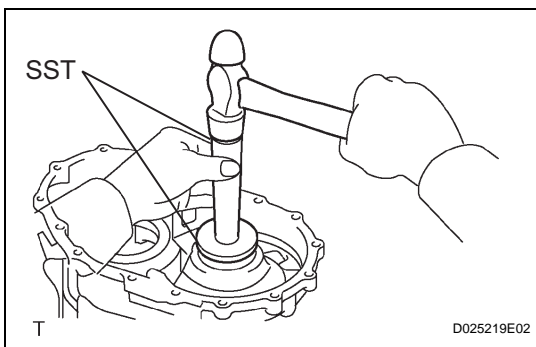


5. INSTALL FRONT DIFFERENTIAL CASE REAR TAPERED ROLLER BEARING

- (a) Using SST and a press, press in the front differential case tapered roller bearing rear inner race to the differential case.

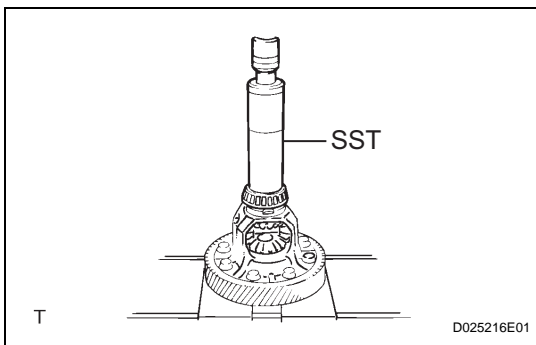
SST 09608-06041





- (b) Using SST and a hammer, tap in the case washer and front differential case tapered roller bearing rear outer race to the transaxle case.

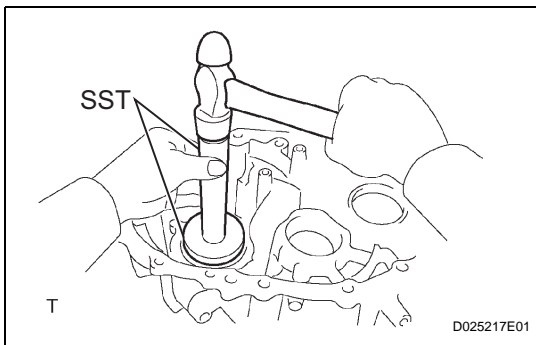
SST 09950-60020 (09951-00710), 09950-70010 (09951-07100)



6. INSTALL FRONT DIFFERENTIAL CASE FRONT TAPERED ROLLER BEARING

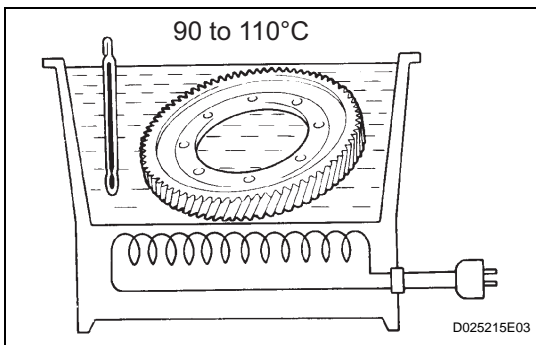
- (a) Using SST and a press, press in the front differential case tapered roller bearing front inner race to the differential case.

SST 09608-06041



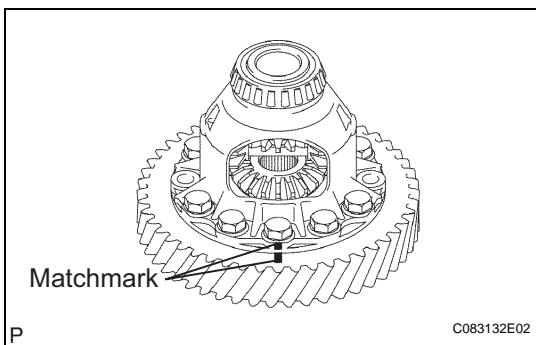
- (b) Using SST and a hammer, tap in the front differential case tapered roller bearing front outer race to the transaxle housing.

SST 09950-60020 (09951-00680), 09950-70010 (09951-07100), 09950-60010 (09951-00340)



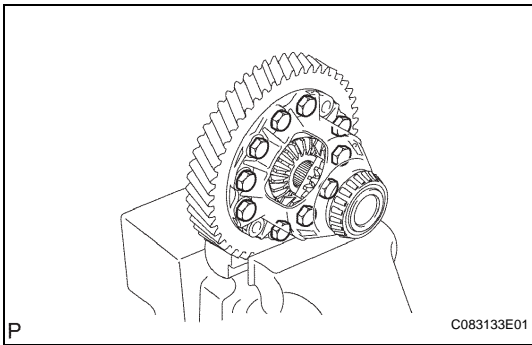
7. INSTALL FRONT DIFFERENTIAL RING GEAR

- (a) Using ATF and heater, heat the front differential ring gear to 90 to 110°C (194.0 to 230.0°F).
- (b) Clean the contact surface of the front differential case.

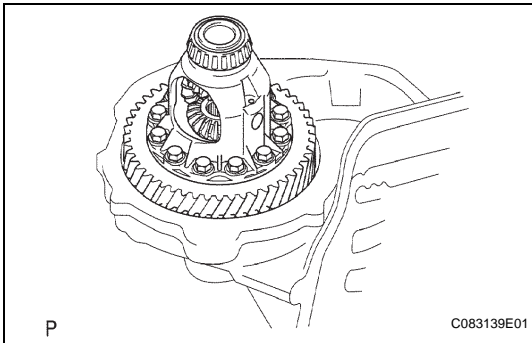


- (c) Align the matchmarks, and install the front differential ring gear case quickly.

AX

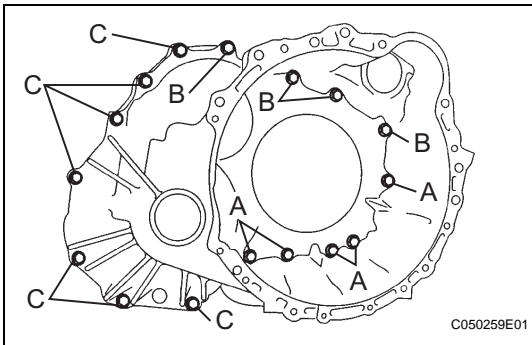


- (d) Tighten the 10 bolts.
Torque: 95 N*m (969 kgf*cm, 70 ft.*lbf)



8. INSPECT TAPERED ROLLER BEARING PRELOAD

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



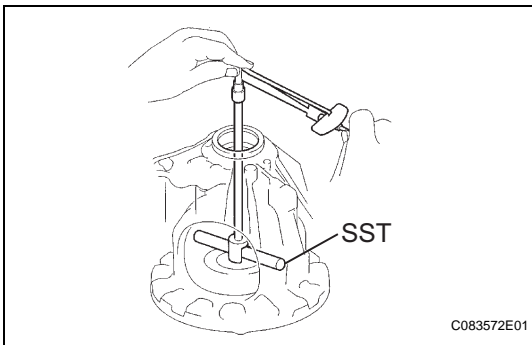
- (c) Install the 16 bolts.
Torque: 22 N*m (224 kgf*cm, 16 ft.*lbf) for bolt A
29 N*m (296 kgf*cm, 21 ft.*lbf) for bolt B and C

HINT:

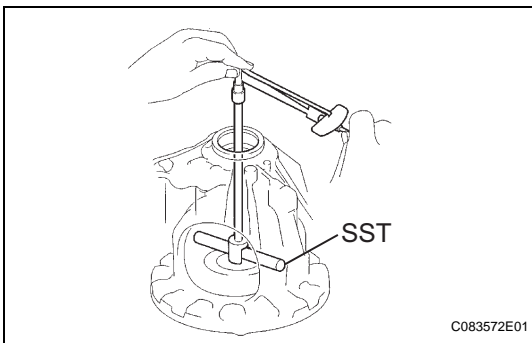
Each bolt length is indicated below.

Bolt length:

- 50 mm (1.97 in.) for bolt A and B**
- 42 mm (1.65 in.) for bolt C**



- (d) Using SST, turn the differential.
SST 09564-32011

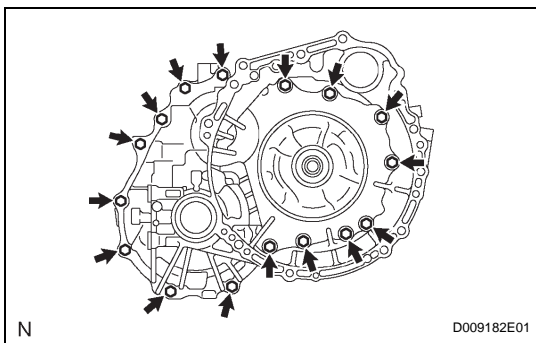


- (e) Using SST and torque wrench, measure the preload of the differential.
SST 09564-32011
Torque: Standard turning torque at 60 rpm
0.20 to 0.69 N*m (2.0 to 7.0 kgf*cm, 1.8 to 6.1 in.*lbf) for new
0.10 to 0.35 N*m (1.0 to 3.6 kgf*cm, 0.9 to 3.1 in.*lbf) for used

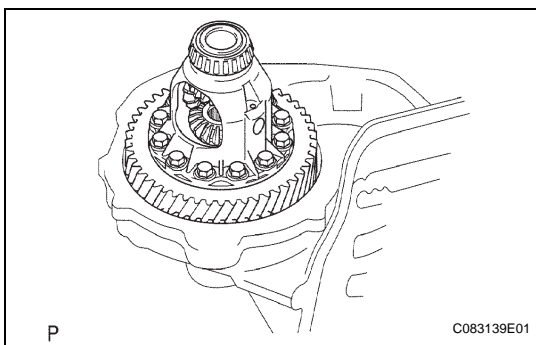
Standard adjusting shim thickness

Mark	Thickness
0	1.90 mm (0.074 in.)
1	1.95 mm (0.077 in.)
2	2.00 mm (0.079 in.)
3	2.05 mm (0.081 in.)
4	2.10 mm (0.083 in.)
5	2.15 mm (0.085 in.)
6	2.20 mm (0.087 in.)
7	2.25 mm (0.089 in.)
8	2.30 mm (0.091 in.)
9	2.35 mm (0.093 in.)
A	2.40 mm (0.094 in.)
B	2.45 mm (0.096 in.)
C	2.50 mm (0.098 in.)
D	2.55 mm (0.100 in.)
E	2.60 mm (0.102 in.)
F	2.65 mm (0.104 in.)
G	2.70 mm (0.106 in.)
H	2.75 mm (0.108 in.)
J	2.80 mm (0.110 in.)

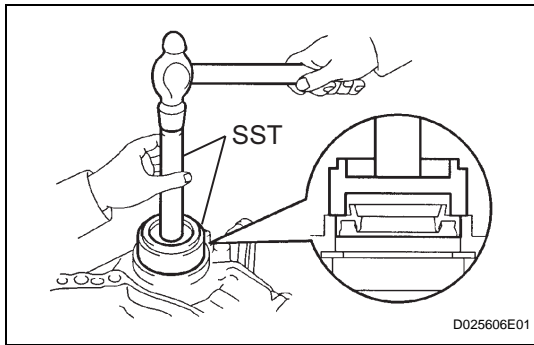
AX



- (f) Remove the 16 bolts.
- (g) Using a practice-faced hammer, remove the transaxle housing.

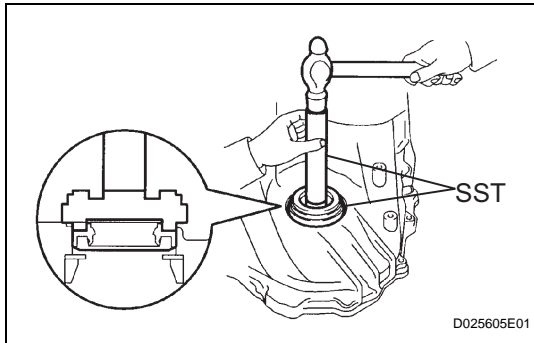


- (h) Remove the differential.

**9. INSTALL TRANSAXLE HOUSING OIL SEAL**

- (a) Coat the lip of a new oil seal with a little amount of MP grease.
- (b) Using SST and a hammer, tap in the oil seal.

SST 09350-32014 (09351-32150), 09950-70010 (09951-07150)

**10. INSTALL DIFFERENTIAL SIDE BEARING RETAINER OIL SEAL**

- (a) Coat the lip of a new oil seal with a little amount of MP grease.
- (b) Using SST and a hammer, tap in the oil seal.

SST 09350-32014 (09351-32150), 09950-70010 (09951-07150)