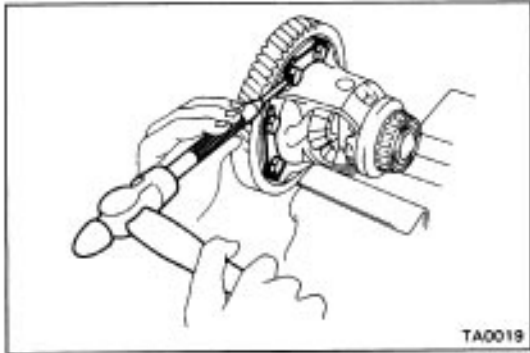
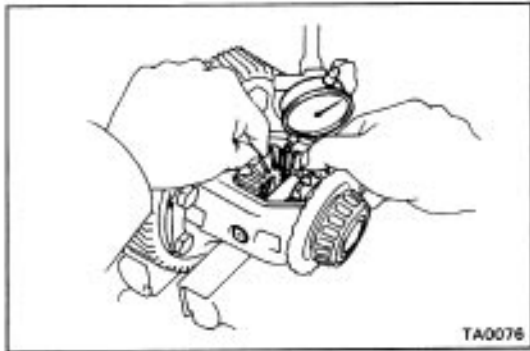


- (g) Then quickly install the ring gear on the differential case.
- (h) Install a new locking plates and set bolts. Tighten the set bolts uniformly and a little at a time. Torque the bolts.
Torque: 985 kg-cm (71 ft-lb, 97 N-m)



- (i) Using a hammer and drift punch, stake the locking plates.
HINT: Stake one claw flush with the flat surface of the nut. For the claw contacting the protruding portion of the nut, stake only the half on the tightening side.



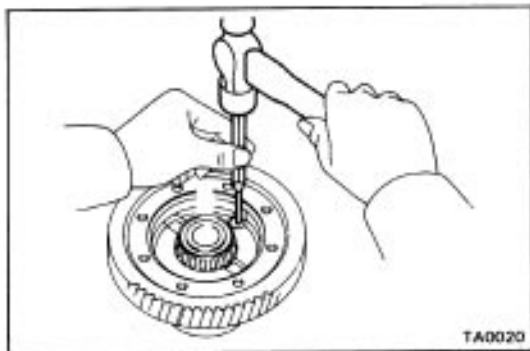
ADJUSTMENT OF BACKLASH

1. CHECK SIDE GEAR BACKLASH

Measure the backlash of one side gear while holding one pinion toward the case.

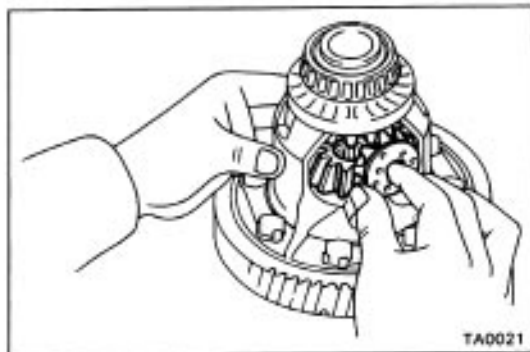
**Standard backlash: 0.05–0.20 mm
(0.0020–0.0079 in.)**

If the backlash is out of specification, install the correct thrust washer to the side gears.

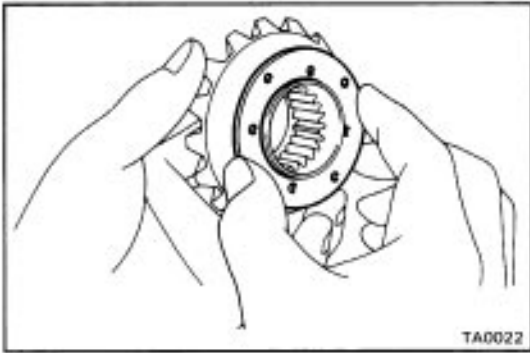


2. DISASSEMBLE DIFFERENTIAL CASE

- (a) Drive out the pinion shaft lock pin from the side on which the ring gear is installed.
- (b) Remove the pinion shaft from the case.

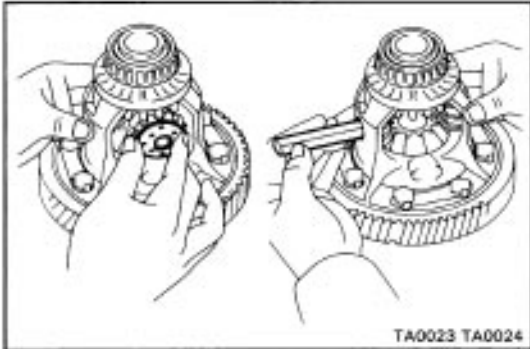


- (c) Remove the two pinion gears and two side gears with the four thrust washers from the case.



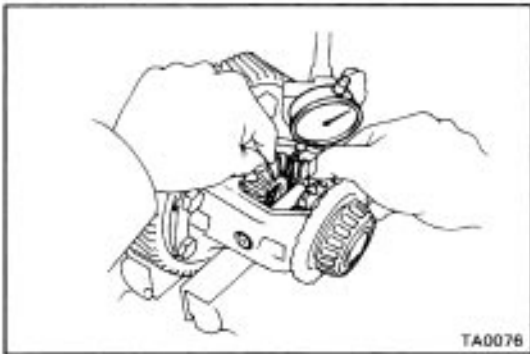
3. ASSEMBLE DIFFERENTIAL CASE

(a) Install the removed thrust washers to the side gears.



(b) Install the side gears with the thrust washers, pinion thrust washers and pinion gears.

(c) Install the pinion shaft.



(d) Measure the side gear backlash while holding one pinion gear toward the case.

Standard backlash: 0.05–0.20 mm (0.0020–0.0079 in.)

Referring to the table below, select the thrust washers which will ensure that the backlash is within specification.

Try to select washers of the same size for both sides.

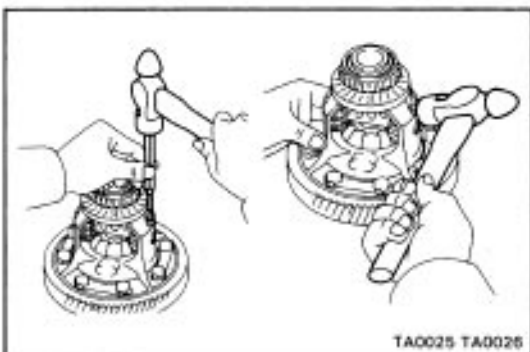
Thrust washer thickness		mm (in.)
0.95 (0.0374)	1.10 (0.0433)	
1.00 (0.0394)	1.15 (0.0453)	
1.05 (0.0413)	1.20 (0.0472)	

If the backlash is not within specification, install a thrust washer of different thickness.

(e) Install the lock pin.

(1) Using a hammer and punch, drive the lock pin through the case and hole in the pinion shaft.

(2) Stake the differential case.



INSTALLATION OF DIFFERENTIAL

1. INSTALL DIFFERENTIAL ASSEMBLY TO TRANSAXLE
(See steps 18 to 37 and 39 to 45 on pages [MT-20](#) to [MT-27](#))

2. INSTALL TRANSAXLE
(See page [MT-4](#))