

REPLACEMENT OF DIFFERENTIAL PARTS

1. REPLACE SIDE BEARING

(See page [MT-29](#))

- (a) Fasten SST under the bearing above the cutouts on the speedometer drive gear. Remove the bearing from the case.

SST 09502-10012

- (b) Using SST and a press, press a new side bearing onto the differential case.

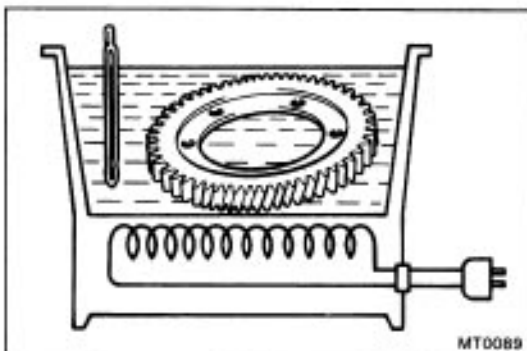
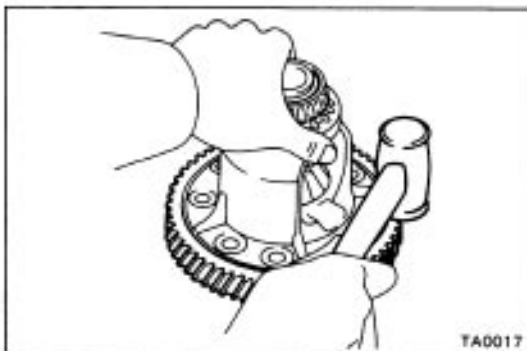
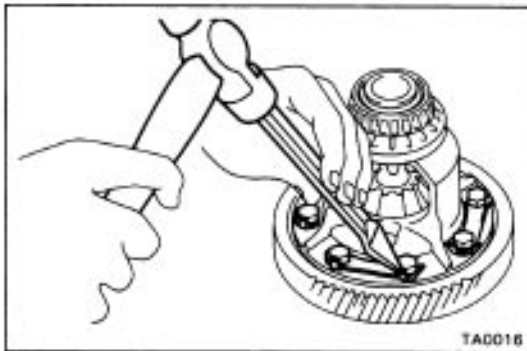
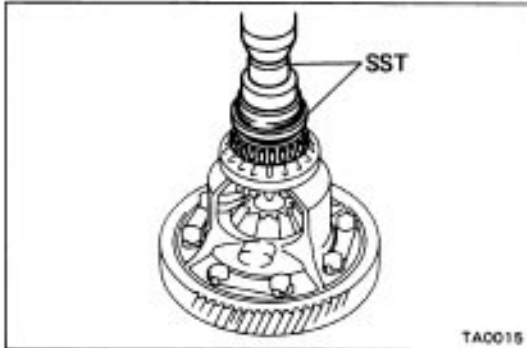
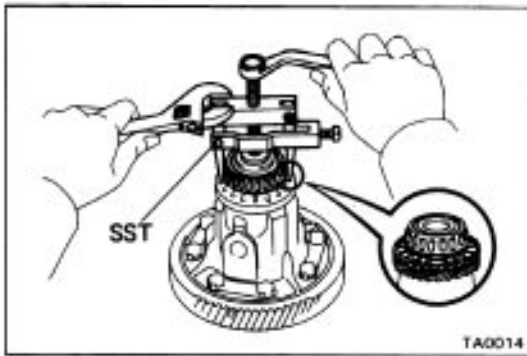
SST 09350-32014 (09351-32090, 09351-32120)

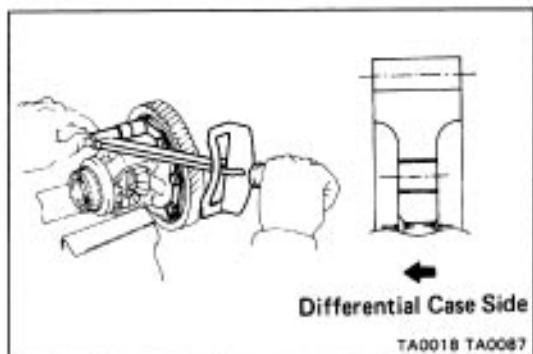
2. REPLACE RING GEAR

- (a) Loosen the staked part of the lock plate.
 (b) Remove the eight bolts and locking plate.

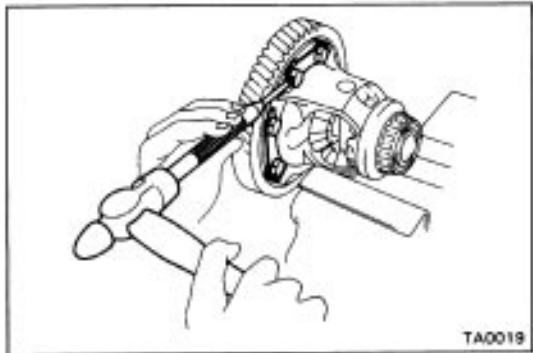
- (c) Using a copper hammer, tap on the ring gear to remove it from the case.

- (d) Clean the contact surface of the differential case.
 (e) Heat the ring gear to about 100 °C (212 °F) in an oil bath.
NOTICE: Do not heat the ring gear above 110°C (230°F).
 (f) Clean the contact surface of the ring gear with cleaning solvent.

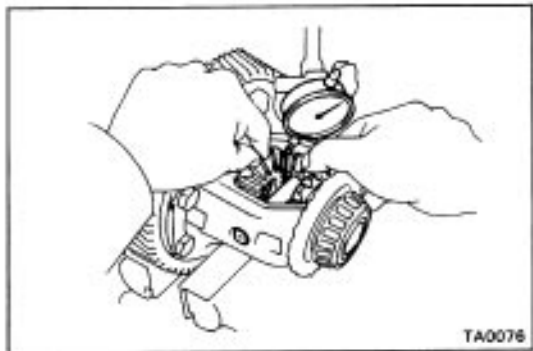




- (g) Then quickly install the ring gear on the differential case.
 (h) Install a new locking plates and set bolts. Tighten the set bolts uniformly and a little at a time. Torque the bolts.
Torque: 985 kg-cm (71 ft-lb, 97 N-m)



- (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

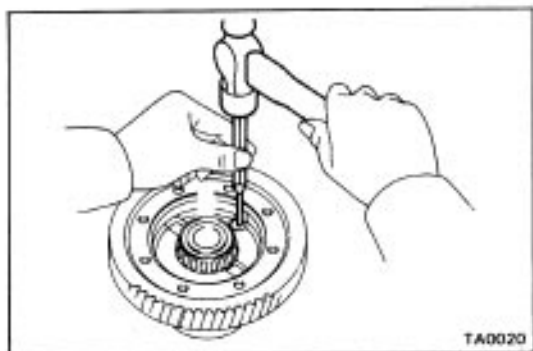
1. CHECK SIDE GEAR BACKLASH

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

Standard backlash: 0.05–0.20 mm

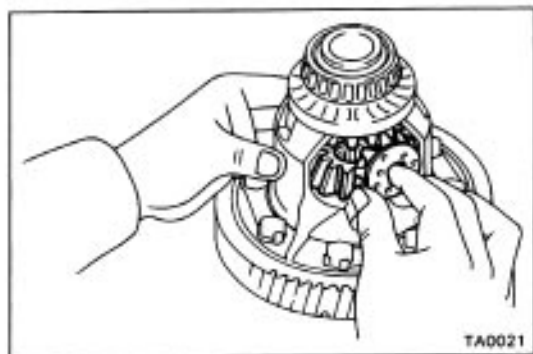
(0.0020–0.0079 in.)

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.