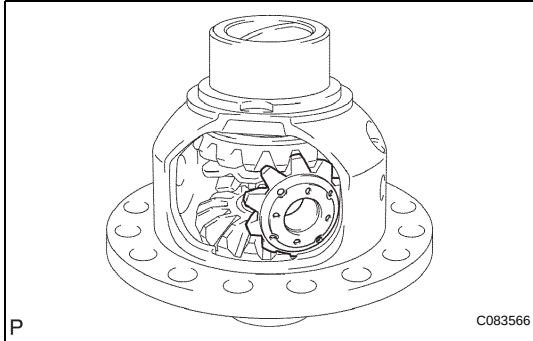
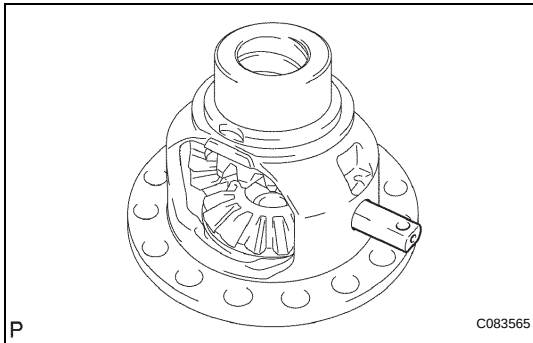


REASSEMBLY

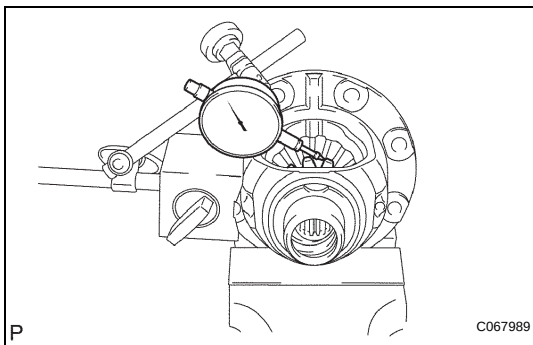
1. **INSPECT FRONT DIFFERENTIAL PINION THRUST WASHER** (See page [MX-97](#))
2. **INSPECT FRONT DIFFERENTIAL PINION SHAFT NO. 1** (See page [MX-98](#))



3. **INSTALL FRONT DIFFERENTIAL SIDE GEAR**
 - (a) Coat the sliding and rotating surface of the 2 front differential side gears with gear oil.
 - (b) Install the 2 front differential side gear thrust washers to the 2 front differential side gears.
HINT:
Install the front differential side gear thrust washer that has the same thickness as the removed one.
 - (c) Install the 2 front differential side gears, 2 front differential pinions and 2 front differential side pinion thrust washers to the front differential case.
HINT:
Turning the front differential side gear, align the 2 front differential pinions with the hole of the front differential case.



4. **INSTALL FRONT DIFFERENTIAL PINION SHAFT NO. 1**
 - (a) Coat the rotating surface of the front differential pinion shaft No. 1 with gear oil.
 - (b) Install the front differential pinion shaft No. 1 to the front differential case so that the hole for the front differential pinion shaft straight pin is aligned with the hole in the front differential case.



5. **ADJUST FRONT DIFFERENTIAL SIDE GEAR BACKLASH**
 - (a) Fixing the front differential pinion to the front differential case side. Using a dial indicator, measure the front differential side gear backlash.
Standard backlash:
0.05 to 0.20 mm (0.0020 to 0.0079 in.)
If the backlash is out of specification, replace the side gear thrust washer.

Thrust washer thickness:

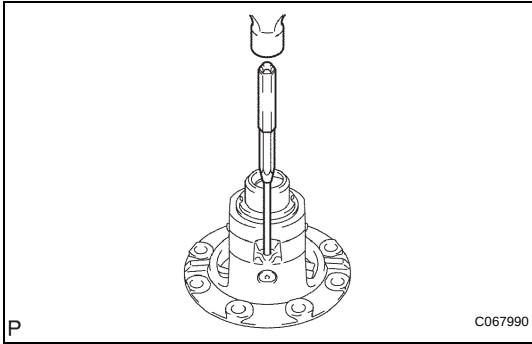
Part No.	Thickness: mm (in.)
41361-22140	0.95 (0.0374)
41361-22020	1.00 (0.0394)
41361-22150	1.05 (0.0413)
41361-22030	1.10 (0.0433)
41361-22160	1.15 (0.0453)
41361-22040	1.20 (0.0472)

HINT:

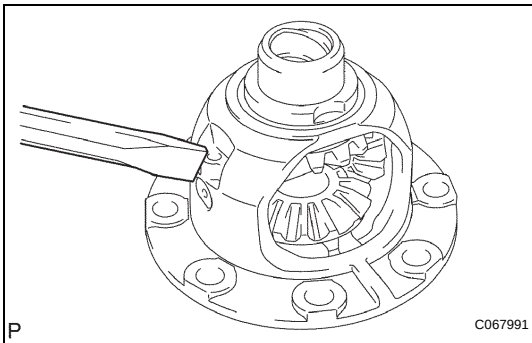
- Because the washer does not have any identification mark, measure the front thickness with a micrometer to select a proper thrust washer.
- Select washers that has the same thickness as both the right and left.

6. INSTALL FRONT DIFFERENTIAL PINION SHAFT STRAIGHT PIN

- (a) Using a pin punch (ϕ 3 mm) and a hammer, install the front differential pinion shaft straight pin to the front differential case.

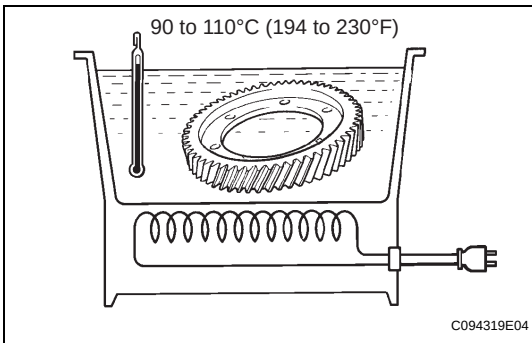


- (b) Using a chisel and a hammer, stake the front case hole.



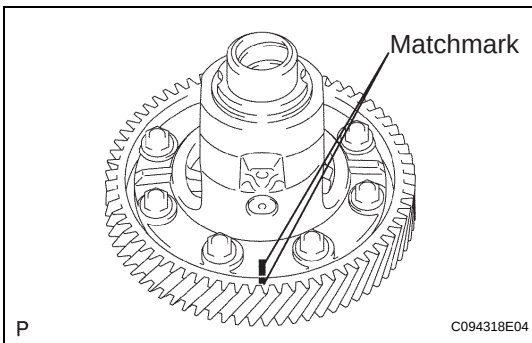
7. INSTALL FRONT DIFFERENTIAL RING GEAR

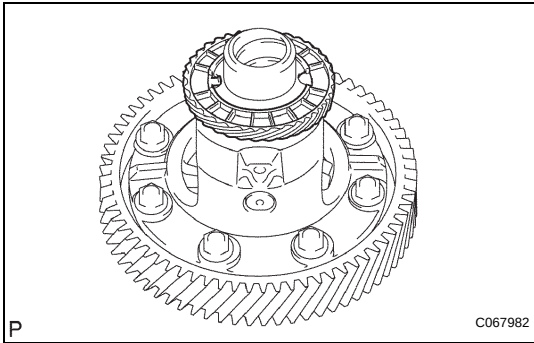
- (a) Clean the contact surface of the front differential case and front differential ring gear.
- (b) Using a heater, heat the front differential ring gear to 90 to 110°C (194.0 to 230.0°F)
- (c) After the moisture on the ring gear has completely evaporated, quickly install the front differential ring gear to the front differential case.



- (d) Align the both matchmarks, quickly install the 8 bolts with the front differential ring gear to the front differential case.

Torque: 77 N*m (789 kgf*cm, 57 ft.*lbf)



**8. INSTALL SPEEDOMETER DRIVE (MTM) GEAR**

- (a) Install the speedometer drive (MTM) gear to the front differential case.