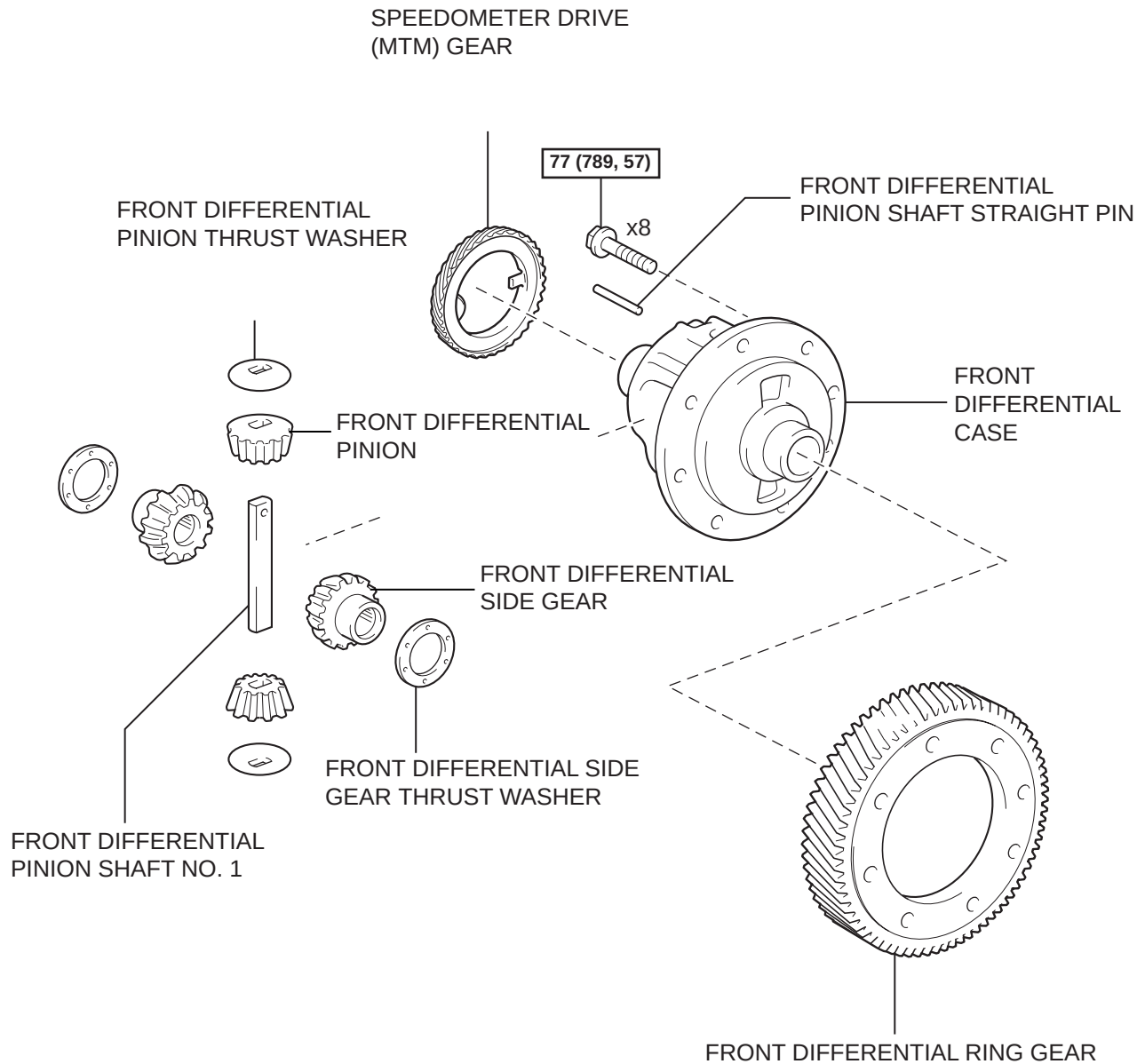


DIFFERENTIAL CASE

COMPONENTS

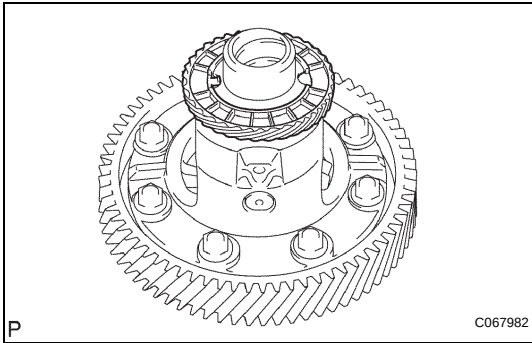


N*m (kgf*cm, ft.*lbf) : Specified torque

DISASSEMBLY

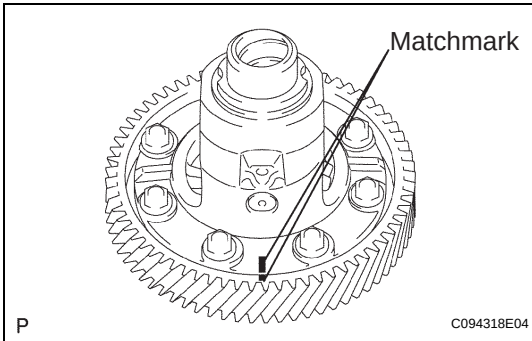
1. REMOVE SPEEDOMETER DRIVE (MTM) GEAR

- (a) Remove the speedometer drive (MTM) gear from the front differential case.



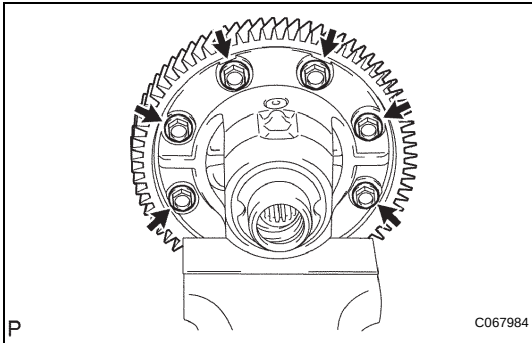
2. REMOVE FRONT DIFFERENTIAL RING GEAR

- (a) Put matchmarks on the front differential ring gear and front differential case.



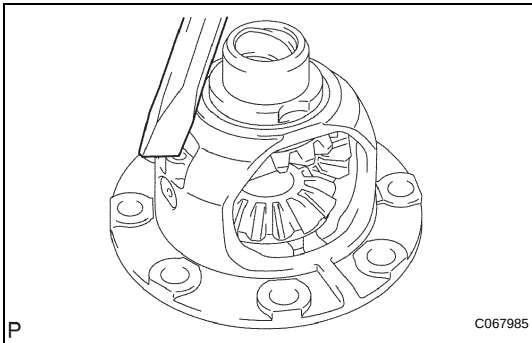
- (b) Remove the 8 bolts. Using a hammer, remove the front differential ring gear.

3. INSPECT FRONT DIFFERENTIAL SIDE GEAR BACKLASH (See page [MX-97](#))

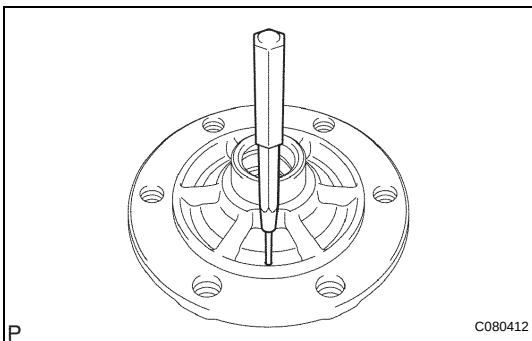


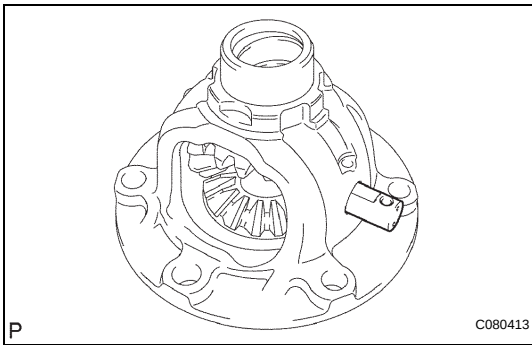
4. REMOVE FRONT DIFFERENTIAL PINION SHAFT STRAIGHT PIN

- (a) Using a chisel and a hammer, loosen the staked part of the front differential case.



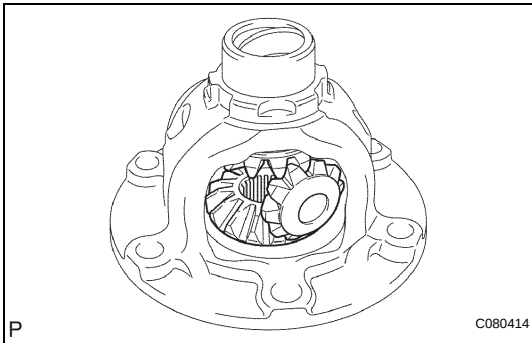
- (b) Using a pin punch (ϕ 3 mm) and a hammer, remove the front differential pinion shaft straight pin from the front differential case.





5. REMOVE FRONT DIFFERENTIAL PINION SHAFT NO. 1

- (a) Remove the front differential pinion shaft No. 1 from the front differential case.



6. REMOVE FRONT DIFFERENTIAL SIDE GEAR

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

HINT:

Turning the front differential pinion, remove the 2 pinions and 2 side gears.

7. INSPECT FRONT DIFFERENTIAL PINION THRUST WASHER (See page [MX-97](#))

8. INSPECT FRONT DIFFERENTIAL PINION SHAFT NO. 1 (See page [MX-98](#))

INSPECTION

1. INSPECT FRONT DIFFERENTIAL SIDE GEAR BACKLASH

- (a) Fixing the front differential pinion from the front differential case side. Using a dial indicator, measure the backlash of the front differential side gear.

Standard backlash:

0.05 to 0.20 mm (0.0020 to 0.0079 in.)

If backlash is out of specification, install proper side gear thrust washers.

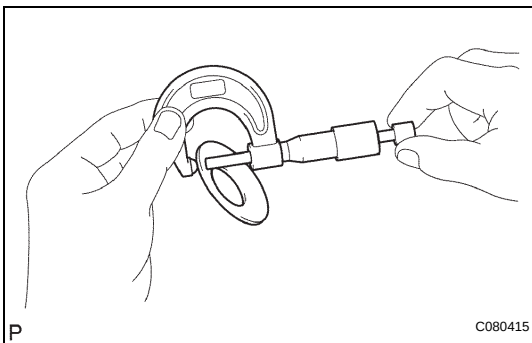
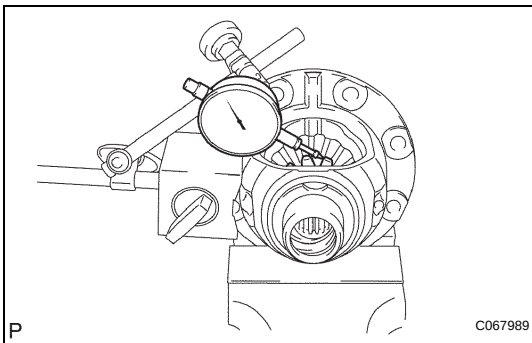
2. INSPECT FRONT DIFFERENTIAL PINION THRUST WASHER

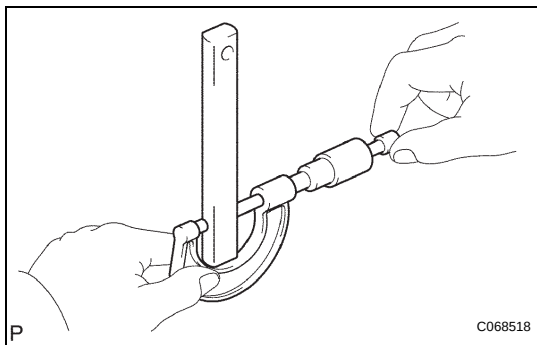
- (a) Using a micrometer, measure the thickness of the front differential pinion thrust washer.

Minimum thickness:

0.92 mm (0.0362 in.)

If the clearance is below the minimum, replace the front differential pinion thrust washer.





3. INSPECT FRONT DIFFERENTIAL PINION SHAFT NO. 1

- (a) Using a micrometer, measure the the outer diameter of the front differential pinion shaft No. 1.

Minimum outer diameter:

16.982 mm (0.6686 in.)

If the outer diameter is less than the minimum, replace the front differential pinion shaft No. 1.