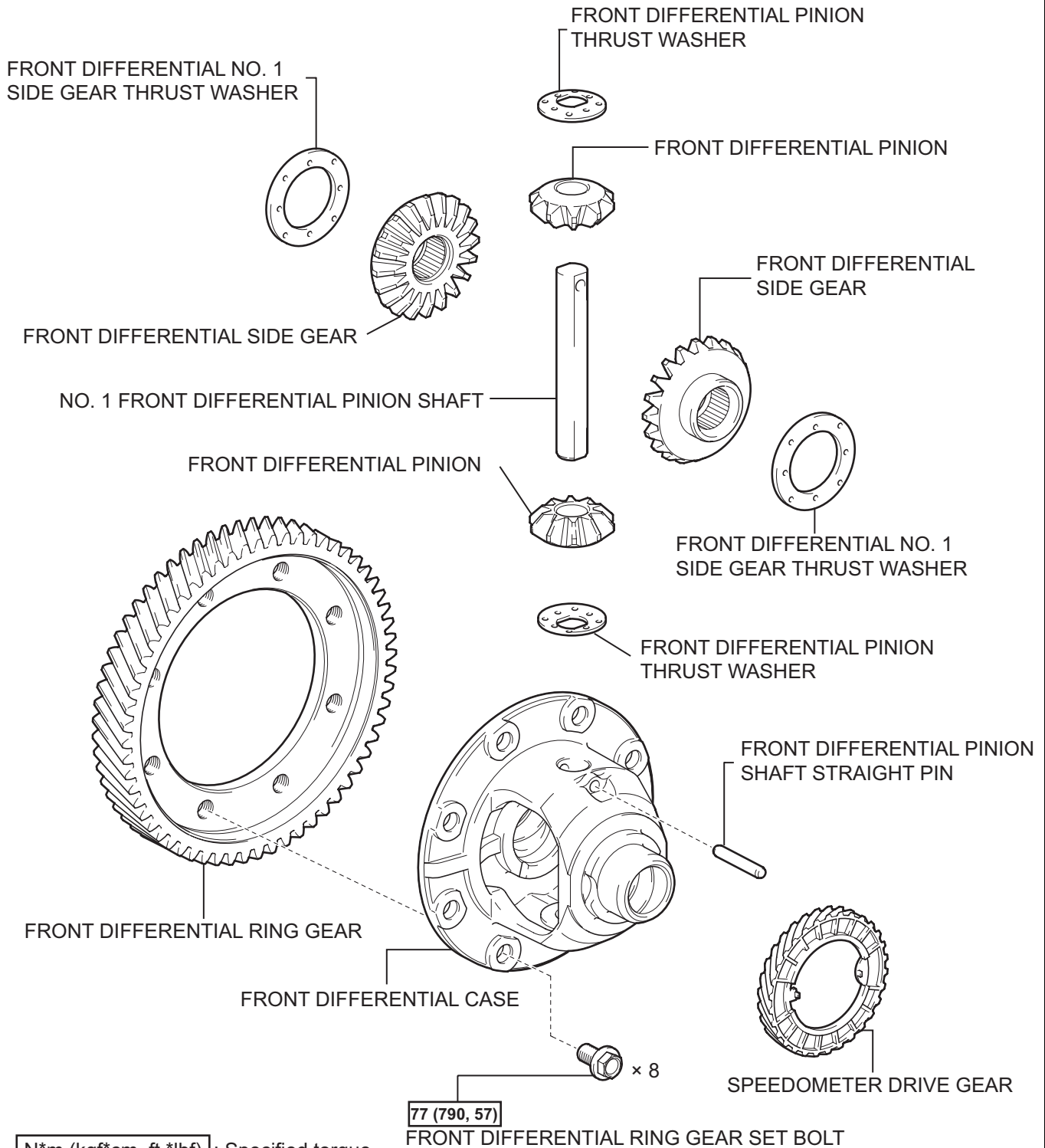


# DIFFERENTIAL CASE

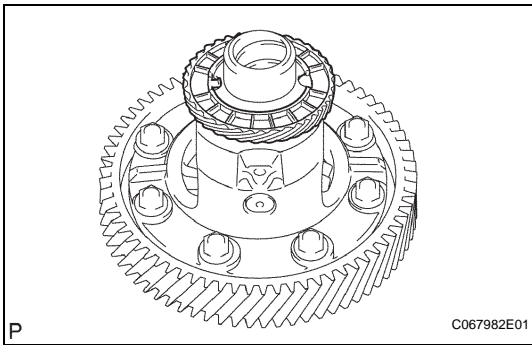
## COMPONENTS



## DISASSEMBLY

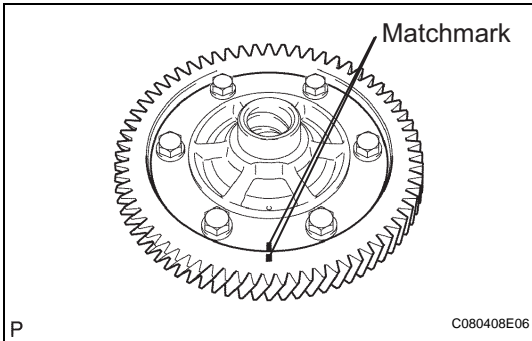
### 1. REMOVE SPEEDOMETER DRIVE GEAR

- Remove the drive gear from the front differential case.

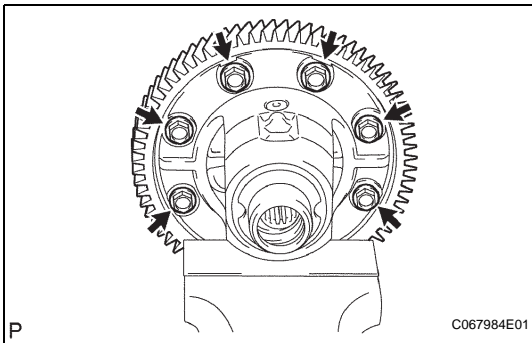


### 2. REMOVE FRONT DIFFERENTIAL RING GEAR

- Put matchmarks on the gear and front differential case.



- Remove the 8 bolts.
- Using a hammer, tap out the front differential ring gear from the case.



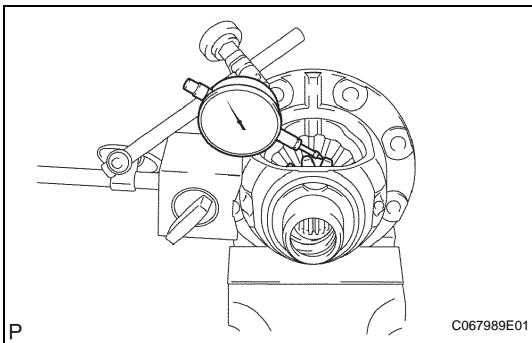
### 3. INSPECT FRONT DIFFERENTIAL SIDE GEAR BACKLASH

- Fix the front differential pinion to the front differential case side. Using a dial indicator, measure the gear backlash.

#### Standard backlash:

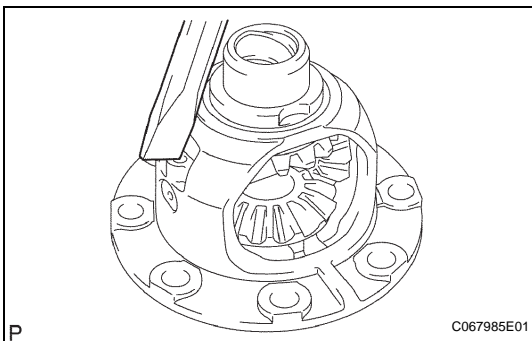
**0.05 to 0.20 mm (0.0020 to 0.0079 in.)**

If the backlash is not as specified, replace the pinion thrust washer and side gear thrust washers.

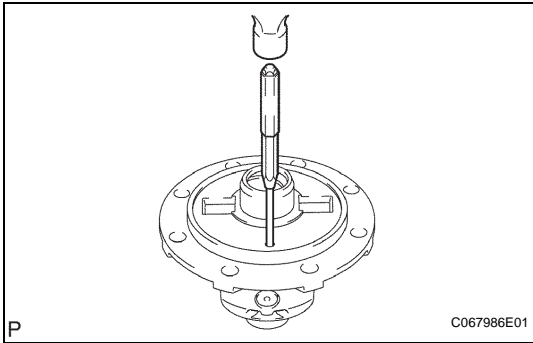


### 4. REMOVE FRONT DIFFERENTIAL PINION SHAFT STRAIGHT PIN

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



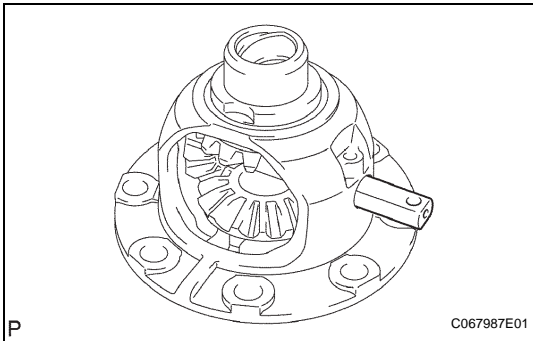
**MX**



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

## 5. REMOVE NO. 1 FRONT DIFFERENTIAL PINION SHAFT

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

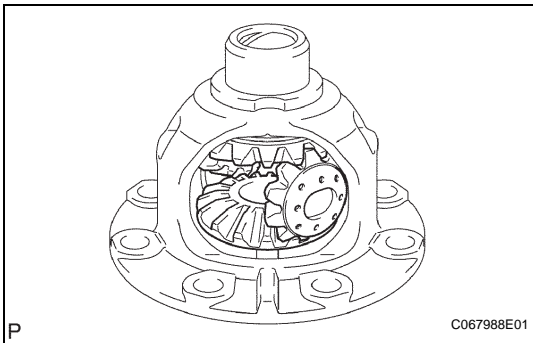


## 6. REMOVE FRONT DIFFERENTIAL SIDE GEAR

- (a) Remove the 2 front differential pinions, 2 front differential pinion thrust washers, 2 front differential No. 1 side gear thrust washers and 2 front differential side gears from the front differential case.

HINT:

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



## INSPECTION

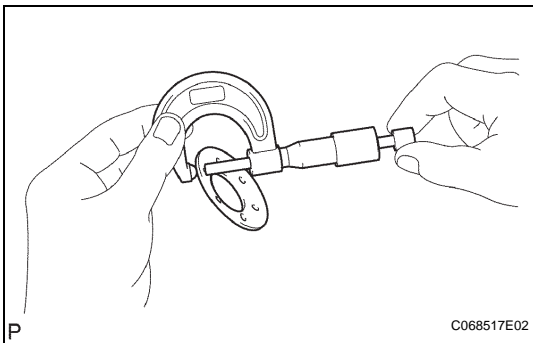
### 1. INSPECT FRONT DIFFERENTIAL PINION THRUST WASHER

- (a) Using a micrometer, measure the thickness.

**Minimum thickness:**

**0.94 mm (0.0370 in.)**

If the thickness is less than the minimum, replace the front differential pinion thrust washer.



### 2. REMOVE FRONT NO. 1 DIFFERENTIAL PINION SHAFT

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

**Minimum diameter:**

**16.982 mm (0.6685 in.)**

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

