

Shimming (F100B)

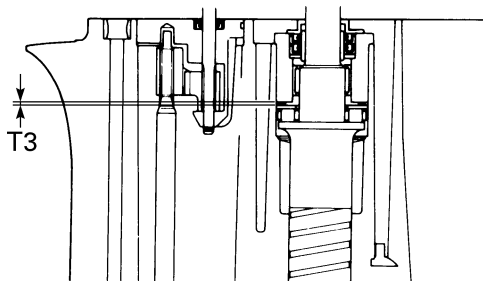
Shimming

NOTE:

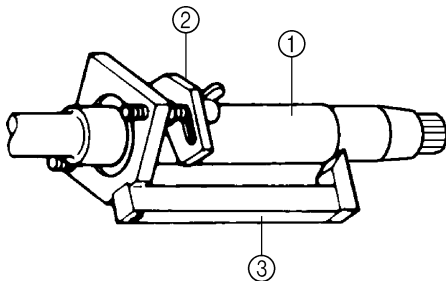
- Shimming is not required when assembling the original lower case and inner parts.
- Shimming is required when assembling the original inner parts and a new lower case.
- Shimming is required when replacing the inner part(s).

Selecting the pinion shims

1. Install the drive shaft ① to the shimming tools.



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NOTE:

- Select the shim thickness (T3) by using the specified measurement(s) and the calculation formula.
- Install the shimming tool to the drive shaft so that the shaft is at the center of the hole.
- Tighten the wing nuts another 1/4 of a turn after they contact the fixing plate ②.



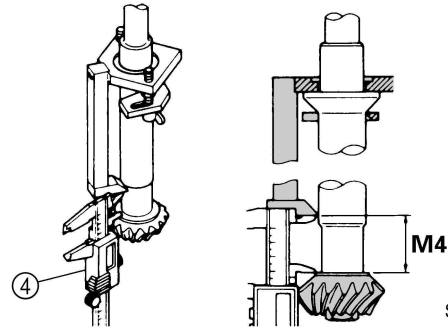
Pinion height gauge ③:
90890-06702

2. Install the pinion and pinion nut, and then tighten the nut to the specified torque.



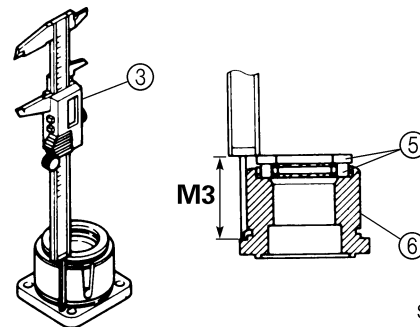
Pinion nut:
93 N·m (9.3 kgf·m, 67 ft·lb)

3. Measure the distance (M4) between the shimming tool and the pinion as shown.



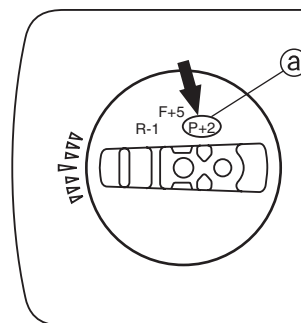
Digital caliper ④: 90890-06704

4. Install the thrust bearing ⑤ to the drive shaft housing ⑥, and then measure the housing height (M3) as shown.



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5. Calculate the pinion shim thickness (T3) as shown in the examples below.



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