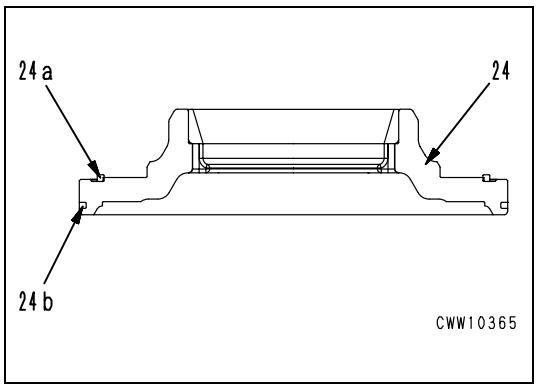
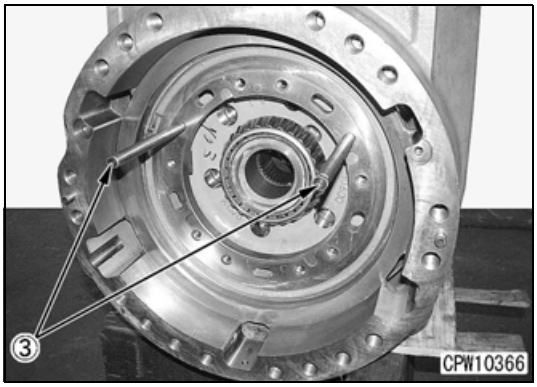
2) Attach the o-ring (24a) and seal (25b) to the bearing carriers (24) on the left and right.



3) Attach the guide bolt ③ in the bearing carrier attachment holes on the left and right of the differential case.

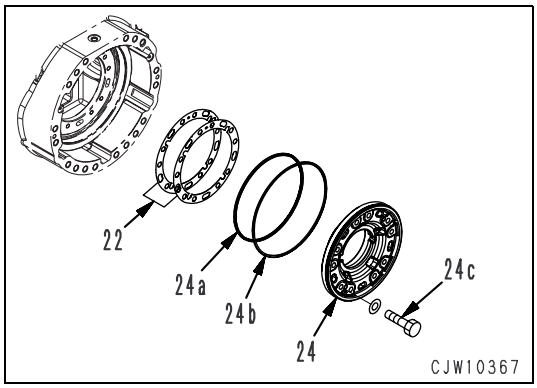


4) Attach the removed shim (22) to the bearing carriers (24) on the left and right, then fasten the bearing carrier attachment bolt (24c).

★ Fasten the bevel gear while turning it.

Bearing: **Axle oil**

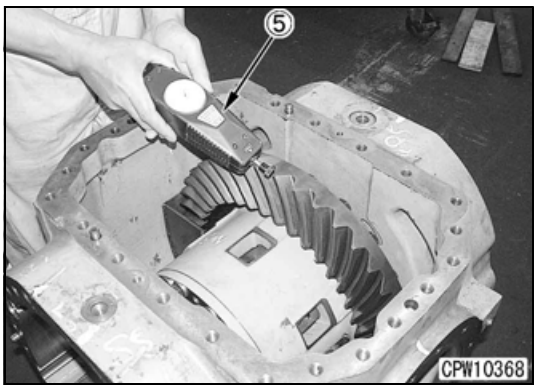
Mounting bolt: **157 ~ 196 Nm {16 ~ 20 kgm}**



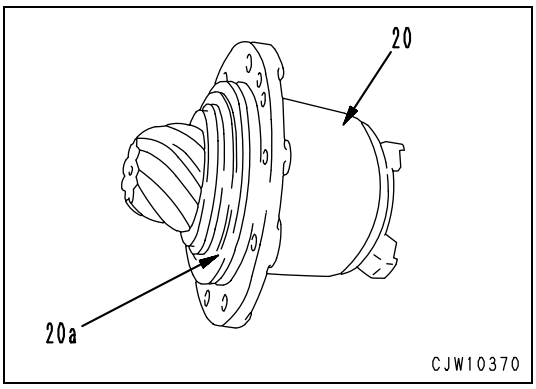
5) Use the push-pull gauge ⑤ to measure the preload of the bevel gear.

★ Activation rotation power: 1.4 ~ 3.8 kg.

★ When the activation rotation power is outside the reference value, adjust the shim thickness.



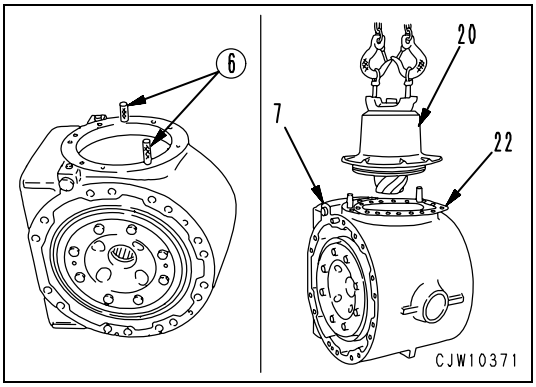
6. Cage assembly



1) Insert the o-ring (20a) in the groove of the cage assembly (20).

O-ring: **Oil (Axle oil)**

★ Coat the oil slightly.



2) Attach the guide bolt ⑥ to the differential carrier assembly (7), assemble the removed shim (22), then mount the cage assembly (20).

★ At assembly, turn the thinner side of the shim to the cage.

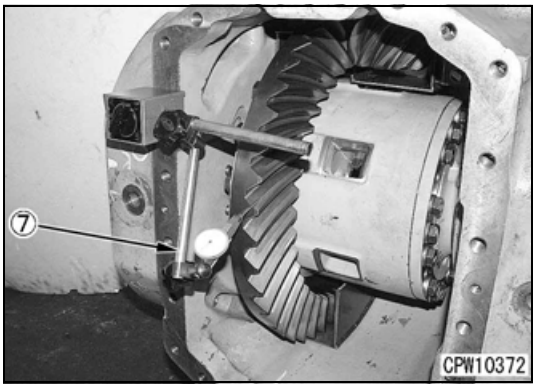
Attachment bolt: **245 ~ 309 Nm {25 ~ 31.5 kgm}**

3) Securely fasten the coupling attachment bolt temporarily tightened in step 2.

Attachment bolt: **Adhesive (LT-2)**

Attachment bolt: **490 ~ 608 Nm {50 ~ 62 kgm}**

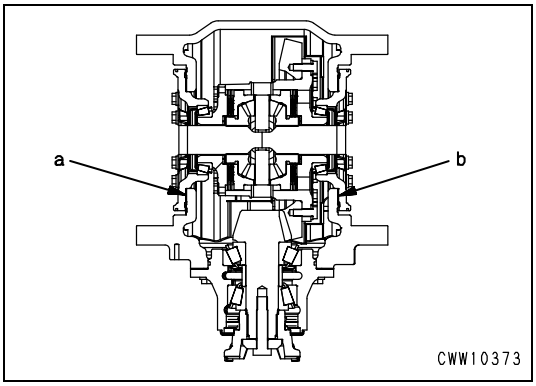
7. Back rash adjustment



1) Use the dial gauge ⑦ to measure the back rash of the bevel gear.

★ Back rash reference value: 0.25 ~ 0.33 mm

★ Measure the back rash at three portions on the circumference of the bevel gear. Then confirm that an error for each measurement value is in the range of 0.1 mm.



2) To obtain the back rash in the reference value, move a part of the shim of the bevel gear to the reverse side.

★ At movement of the shim, do not change the total thickness of the left and light.

★ When the back rash is too high, move a part of shim **b** to shim **a**.

★ When the back rash is too low, move a part of shim **a** to shim **b**.