ASSEMBLY OF DIFFERENTIAL

★ Coat the rotating surfaces of the bearing roller, inner race and outer race rollers with engine oil before installing.

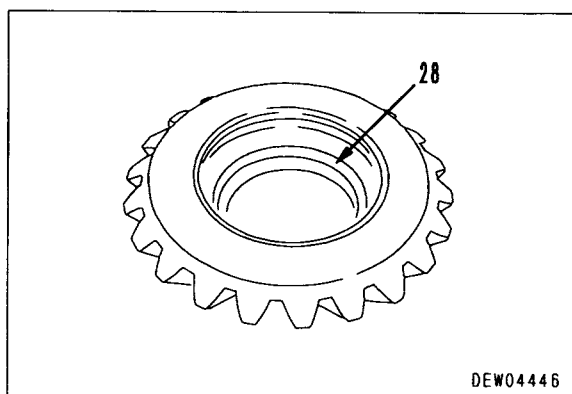1. Using the eyebolts (Dia. = 24 mm, Pitch = 3.0 mm), install the bevel gear.
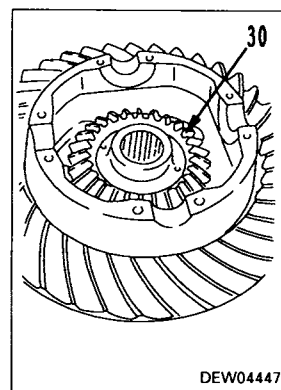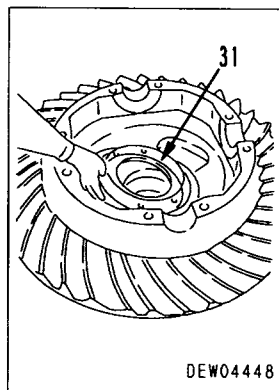   Mounting bolt: **Adhesive (LT-2)**
   Mounting bolt:
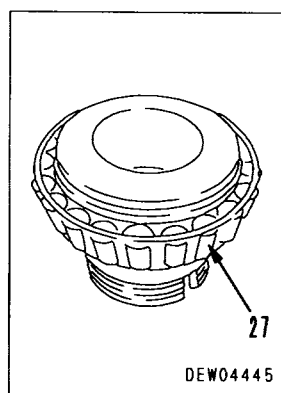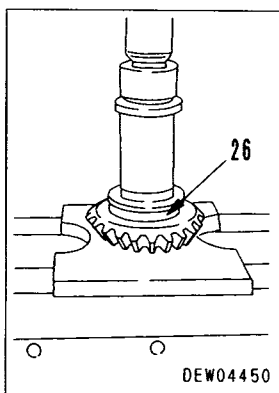
   932 ± 98 Nm {95 ± 10 kgm}

2. Install thrust washer (31).
   ★ Align the thrust washer with the dowel pin when installing.
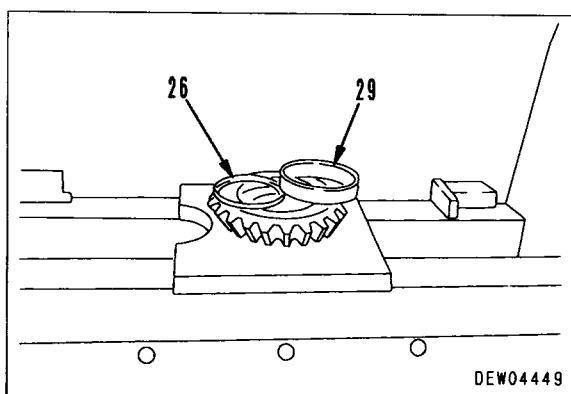
3. Install bevel gear (30).

★ Assemble pinion gear as follows.
   1) Install outer races (29) and (28).

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   2) Press fit bearing (27) in shaft.

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   3) Assemble collar (26).

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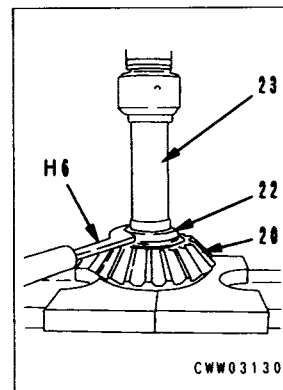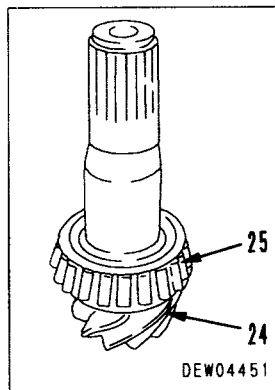①

4) Assemble pinion gear (24) and bearing (25) in shaft.
5) Fit lock plate and tighten lock nut (22) with wrench ②.
   ★ Bend the lock plate securely.
   ⟨kgm⟩ Lock nut:
                    981 ± 98 Nm {100 ± 10 kgm}

★ Assemble differential gear case assembly as follows.
1) Assemble pinion gear assembly (20) in cross shaft (21), and install to case.
   ★ Align the notch in the pinion gear with the cross shaft dowel pin when installing.
2) Install bevel gear (19).
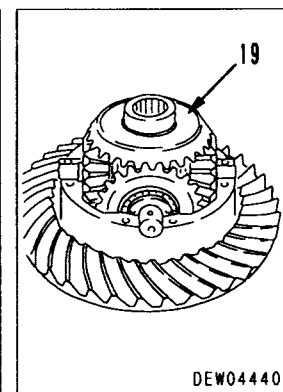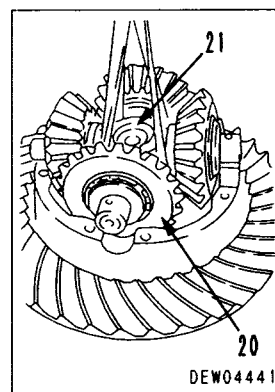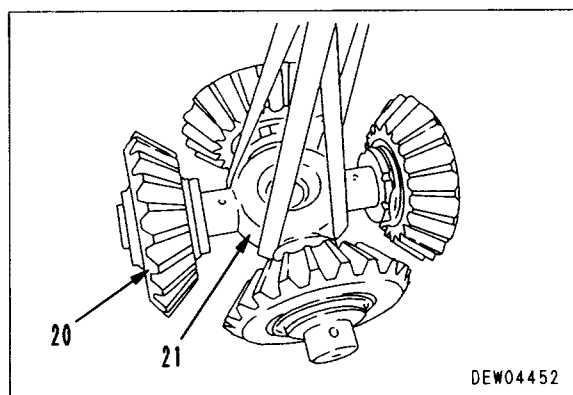   ★ Move the bevel gear and check that the pinion gear assembly rotates smoothly.
3) Install thrust and bearing to case.
   ★ Align the thrust with the dowel pin when installing.
4) Install case, and tighten mounting bolts.
   ⟨⟩ Mounting bolt: **Adhesive (LT-2)**
   ⟨kgm⟩ Mounting bolt:
                    932 ± 98 Nm {95 ± 10 kgm}

4. Tighten nut (12) temporarily, and put differential gear case assembly (15) in differential case.
   ★ Align the nut with the groove in the differential case, then check that it rotates smoothly by hand.