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N6 Motor And Gear Wheel Update Description

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Purpose

To provide a brief description of the N6 Motor (Models G1 and G1D) and Gear Wheel Update.

N6 MOTOR (MODELS G1 AND G1D) Pinion and Gear 2

Change made to improve the strength of the gears in the N6 Gear motor gearbox by making Pinion and Gear #2 bigger. The change affects all Top Running and Underhung motorized S and L speed end trucks.

- The stronger Pinion and Gear 2 will tend to improve durability and reliability.
- Will no longer have easy, single gear conversion method between S and L speeds. Conversion will be more complicated and more expensive (parts and labor).
- All outline drawings for S speed end trucks have been revised to reflect the 2 end truck versions, G1 and G1D.
- Although the entire gearmotor assembly will be interchangeable with existing design, the individual parts will not be interchangeable.
- A variety of documentation (EDOCs, Owner's Manual and Parts List) will be revised.
- Does not affect end truck frame design or any other features of Series 3 end trucks and cranes.

Two Part Gear Wheel Change

Change to a two-part design to improve the quality of the gear ring on the track wheels. Manufacturing and production will be made easier. Affects all 3 Ton and over geared and motorized end trucks. 1 Ton geared and motorized end trucks are not affected.

- No affect on features and benefits.
- No interchangeability issues.
- End truck design is unaffected because of previous point.
- A coincidental improvement – wheel bearings are relocated slightly producing a more even load distribution.
- Gain the opportunity to satisfy the occasional request for heat-treated Top Running wheels.

END

GENERAL USE
EDOC0308, Rev. 00
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