

SERVICE INSTRUCTION MS 7-2009E

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Utfärdare Issued by Aussteller Bertil Nyström	Datum Date Datum 2009-09-15	Produkt Product Produkt All rack and pinion driven lifts
Från maskin nr. From machine No. - Von Maschine Nr.	Till To - Zu	Berör/Concerns/Betrifft Rack and pinion

It is important to check wear of pinion and grease the rack to ensure optimal life time and achieve a soft and silent travel.

It is obtained by the following steps:

1/

Grease the rack, but avoid over-greasing in extremely dusty environments. Follow the recommendations in the Service and Maintenance Manual.

2/

Apply grease interval in accordance with the travel intermittence. Consider anyhow that the rack on a seldom used lift in a corrosive environment needs grease on the the rack to avoid corrosion.

3/

Use the Alimak Hek recommended grease types.

4/

Ensure that the guide rollers are adjusted correctly, that the pinion engages the rack in the centre and that it is not leaning.

5/

Change pinion and also guide rollers when the wearing limit is reached according the Service Manual. If further use of a worn out pinion is done, the rack will also be worn.

6/

If the rack has been over-greased and abrasive dirt has been collected in the cogs, the cog flanks shall be brushed clean and a new thin grease film applied.

Please forward this instruction to all people concerned before inserting it in your Service Manual under index 2, Service Instructions!

Form approved by Patrik Sundqvist, After Sales Manager. Date: 2009-02-02

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7/

Use the gauge for the actual product when checking the wear of pinion and rack. When checking the pinion visually, it is important to check the wearing in the middle of the pinion. The cog profile of the pinion can have no wearing on the sides due to the fact that the pinion is 4 mm wider than the rack.

Recommended gauges:

For older Scando lifts with Module 8:

Pinion, pitch diameter 120 mm
Rack

Gauge part No. 9096750-000
Gauge part No. 9019645-000

For SE, SC 450 and SC 650 lifts with Module 5:

Pinion, pitch diameter 115 mm and 200 mm
Rack

Gauge part No. 9098411-000
Gauge part No. 9103819-000

See attached photo of a pinion which is worn far more than the allowed limit:



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