

This service Message is related to Periodic Checks and Maintenance of Scanclimber MCWP's

Scanclimber has received reports regarding the users/owners unfamiliarity of Scanclimber Mast Climbing Work Platforms with regards to the prescribed Periodic Checks.

This service message is intended to draw the attention of users/owners to the accurate execution of these periodic checks. Proper and responsible follow-up is essential in the long-term use and safe use of the MCWP's.

The owner/user is only authorised to perform maintenance on the drives in accordance with the instructions in the manual.

Periodic checks as described in the manuals are sufficient to cover the condition of the various components.

It is the customers/owners responsibility to ensure that the periodic checks are executed in accordance with the instructions

**Highlights**

Apart from the daily, weekly, and monthly checks, your special attention is asked for the **long term or annual checks.**

Please refer to the manual's instructions for the complete content of the "periodic checks".

Periodic checks of the structures**Annual checks prescribe**

- A visual examination of the structures with special attention to **corrosion and other damage** to the structure of load bearing parts and welds.
 - More information concerning the corrosion damages is found in the Service Message Appendix 1.
- An examination of the mechanical and electrical systems with special attention to safety devices if applicable.



The specific equipment manual describes periodic checks with minimum timeframes where applicable.
For the applicable procedures refer to the type-specific equipment manuals.

Periodic checks of the drives

Drives:

The manufacturer of the drives indicates that a thorough maintenance is recommended after a period of 10 years.

This maintenance should be carried out by a competent service company, preferably one authorised by the manufacturer of the drives.

Change of oil:

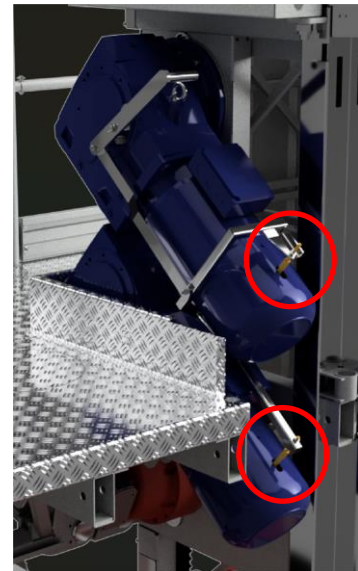
Change the oil in the drive unit gearbox (lifting frame and chassis) following the instructions for periodic checks in the manual.

Lubricant specification as specified in the manual are recommended by the manufacturer of the drives.

Drive Unit Brake test: 2 motor drives

The brake test must be carried out monthly.

1. When applicable, remove the emergency lowering mechanism that connects the motor brake levers.
2. Drive the platform 1 m above the base buffers.
Release the brake on the upper motor by pulling its lever.
The platform may not descend.
3. Release the brake on the lower motor by pulling its lever.
The platform should not descend.
4. Connect back the emergency lowering mechanism if it was removed.



Brake test: 1 motor drives

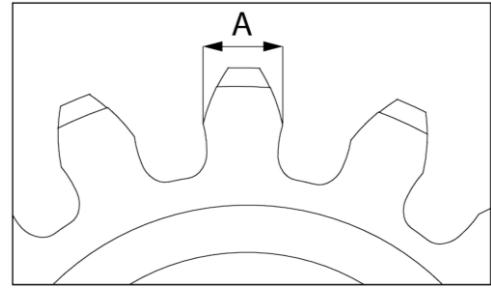
The brake test must be carried out monthly.

1. Drive the platform 1 m above the base buffers. Stop the platform and check if the stays on the place.
If the platform start sliding down, the brake must be checked.
2. Release the motor brake carefully by pulling its lever. The platform starts sliding down. If it doesn't, the brake must be checked.

Thorough examination of rack and pinions:

Examine the wear of the pinions:

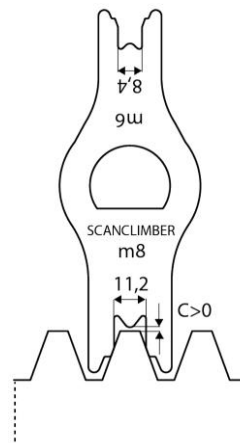
1. The pinion teeth are measured with a slide caliper. A new pinion has a tooth thickness (A) of 13.0 mm. The minimum allowed tooth thickness is 12.0 mm.
2. Measure several teeth of the pinion.



Slide caliper

Examine the wear of the racks:

1. Scanclimber offers a special tool (PG170354) for rack checking.
2. Measure several teeth of the rack in the across the full length of the mast.
3. If the teeth touch the reference surface ($C > 0$) of the gauge replace the mast section.



For any questions regarding maintenance and periodic checks, please consult your Scanclimber sales representative.