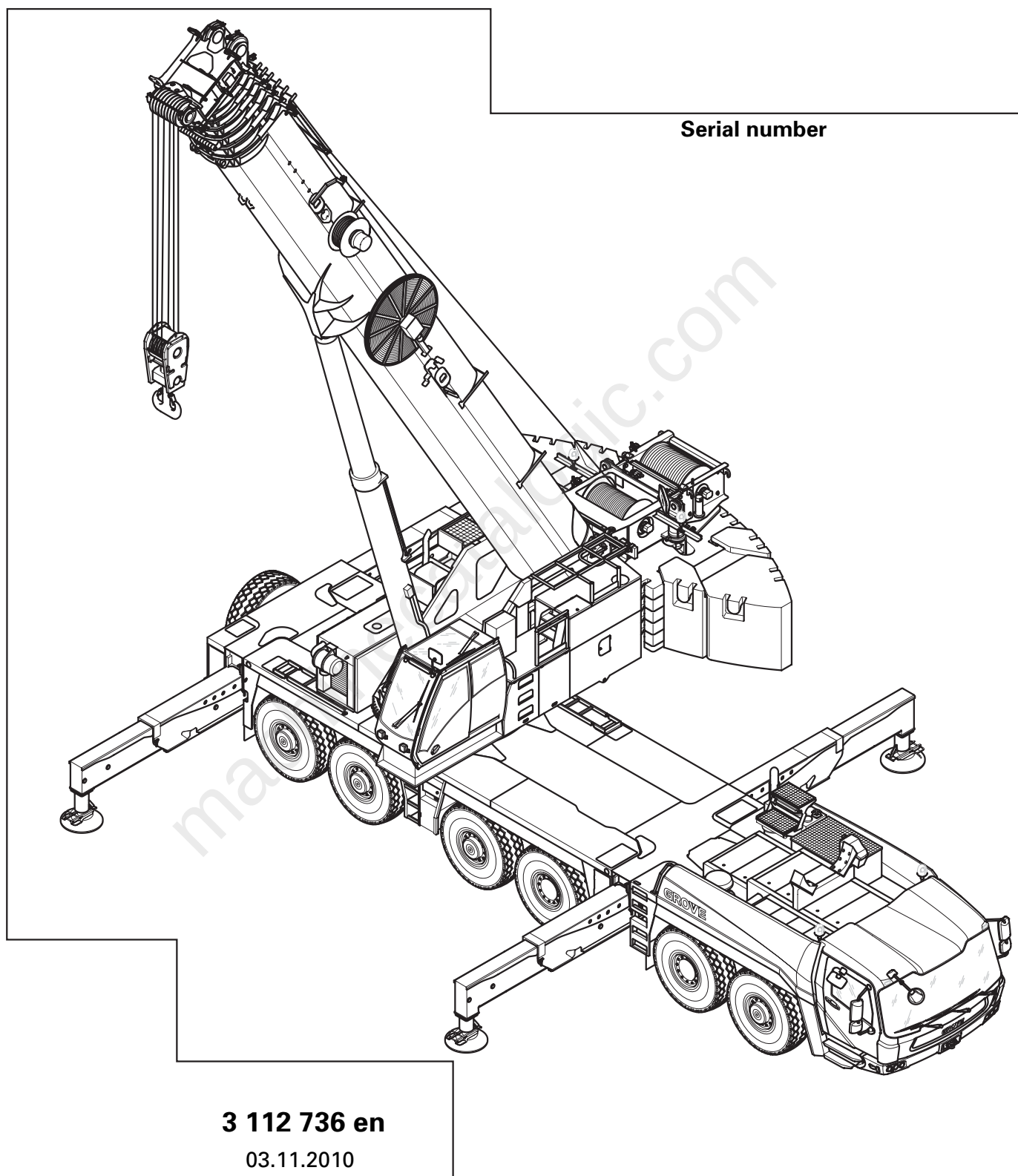


GROVE **GMK 6300L**

Operating Instructions Part 1 – Driving



Grove

Manitowoc

National Crane

Potain

Manitowoc
Crane Care

Main hoist

Drum diameter:	458 mm (rope centre to rope centre)
Rope diameter:	22 mm
Rope length:	330 m
Rope pull:	104 kN/line
Power unit group:	M 3 (in accordance with ISO 4301 - 2)
Load spectrum:	L 1
Factor of the load spectrum	$K_m = 0.125$
Theoretical service life:	$D = 3,200 \text{ h}$

Auxiliary hoist

Drum diameter:	458 mm (rope centre to rope centre)
Rope diameter:	22 mm
Rope length:	330 m
Rope pull:	104 kN/line
Power unit group:	M 3 (in accordance with ISO 4301 - 2)
Load spectrum:	L 1
Factor of the load spectrum	$K_m = 0.125$
Theoretical service life:	$D = 3,200 \text{ h}$

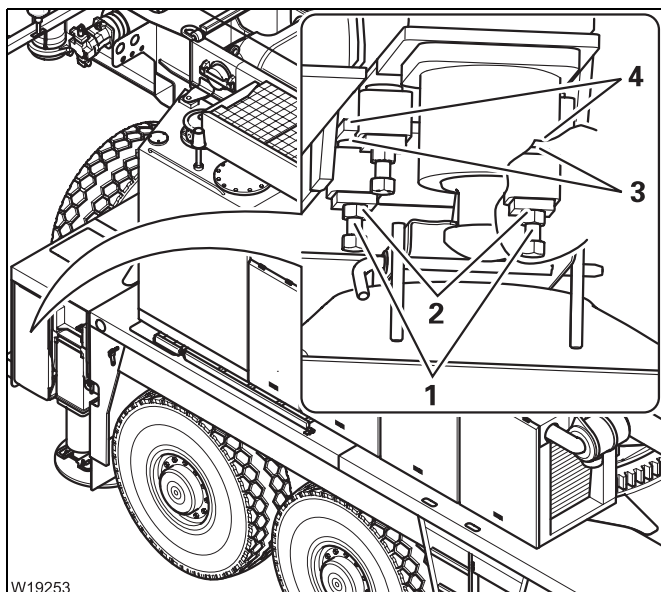
Slewing gears

Make:	Siebenhaar
Type:	01 DD
Power unit group	M2 (in accordance with ISO 4301 - 2)

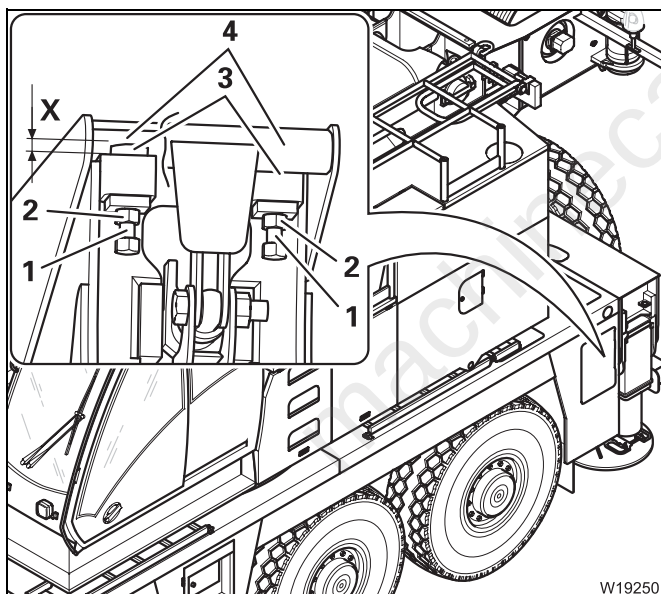


Screwing in

Before you retract/extend an outrigger beam after mounting, you must screw in the spacers.

**At the outrigger box**

- Screw in the screws (1) as far as possible until the spacers (3) are touching the outrigger beam (4) at the top.
- Ensure that the outrigger beam is aligned horizontally.
- Lock the screws in place with the nuts (2).

**At the outriggers**

- Screw in the screws (1),
 - until the spacers (3) lie on top on the outrigger box (4) and
 - until the distance (X) to the outrigger box (4) is an even 4 mm over the entire width.
- Lock the screws in place with the nuts (2).

10

Starting/Stopping the engine – for crane operation

10.1

Starting the engine – from the crane cab

This section describes only how to start the engine from the crane cab. You can also start the engine with the hand-held control;  p. 10 - 17.

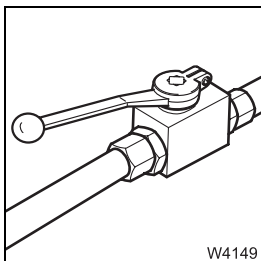
10.1.1

CHECKLIST: Starting the engine

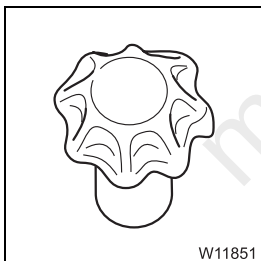


This checklist is not a complete set of operating instructions. There are accompanying operating instructions which are referred to by cross-references.

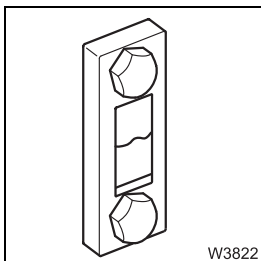
Observe the warnings and safety instructions specified there!



1. Check whether the valve on the hydraulic tank is open;  p. 10 - 6.



2. Check the coolant level in the engine;  *Maintenance manual*.



3. Check the oil level in the hydraulic system;  *Maintenance manual*.



Raising and lowering

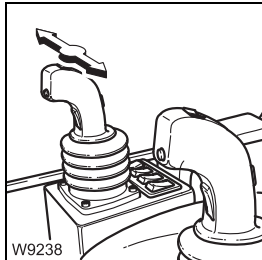
You can adjust the sensitivity of the control levers to suit the operating conditions;  *Setting the characteristic curves for the control levers*, p. 11 - 104.



Risk of accidents due to unexpected crane movements!

In the case of multiple configuration, check whether the control lever function *Derricking* is switched on before you move the control lever for derricking.

This way, you avoid accidents due to unexpected crane movements.



To lower:

- Push the control lever to the right – the main boom is lowered.

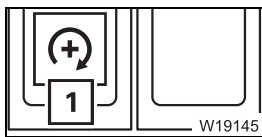
To raise:

- Push the control lever to the left – the main boom is raised.

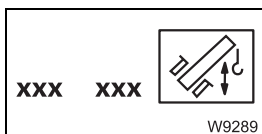
You can regulate the speed by moving the control lever and changing the engine speed with the accelerator.



The maximum derricking speed is automatically reduced as the system length is increased. If you now reduce the working radius (e.g. by retracting the telescoping), the derricking speed is automatically increased again.



You can set the desired engine speed (idling speed) with the button (1);  p. 10 - 15.



You can limit the maximum derricking speed;  p. 11 - 102.



You can switch on the high-speed mode for a higher speed;  p. 11 - 92.



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