

LIEBHERR
TELESCOPIC BOOM MOBILE CRANE

LTM 1160/1

as of series 000

Operating instructions

BAL -No. **08900-04-02**

pages : 1 up to 399

Crane number	
Date	

The operating instructions are part of the crane!

Always keep on hand!

**Comply with road travel and crane operating
regulations!**

Requirements of the crane operator

The most important requirement of the crane operator is to control, operate and adjust the crane so that there is no danger to the crane crew and/or third parties.

In order to fulfil this requirement, we would like to give you in the following a few important safety notes.

65% of all accidents involving vehicle cranes is due to improper crane operation.

Improper operating procedures most often carried out are:

Not paying careful attention while working in the case of, for example:

- slewing too quickly,
- quick braking of the load,
- cross pulling,
- loose cable formations

Overloading

Driving too fast with a load, or setting up and loading on an uneven surface.

Improperly slinging a load.

Operating in unsuitable conditions, especially pulling at an angle or fixed loads coming loose.

Wind on suspended load.

Improperly driving on public roads without a load, for example, engine or transmission overloaded.

Collision with bridges, ceilings, high-voltage wires.

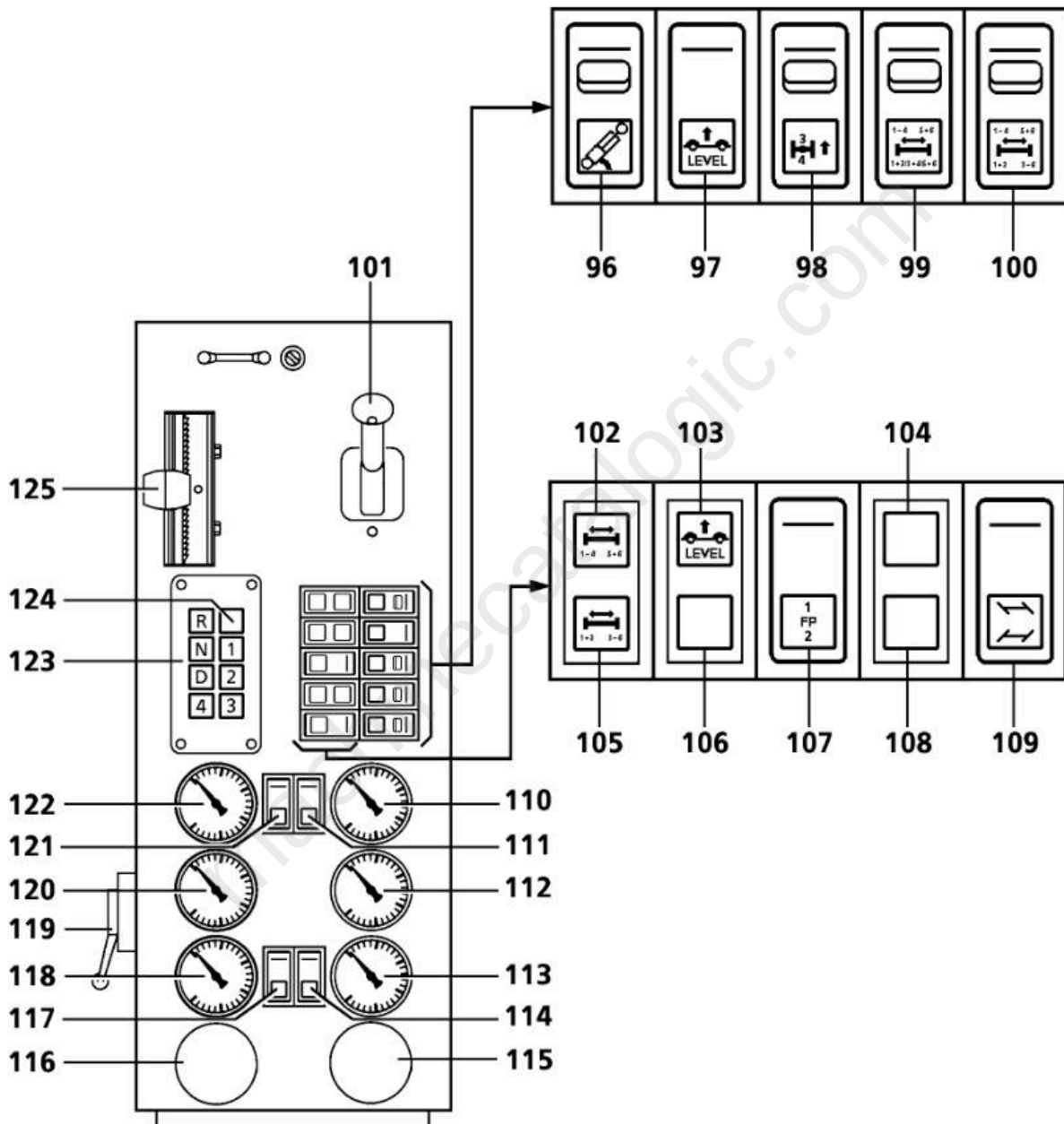
Insufficient support; support base beneath the supports not sufficient in capacity.

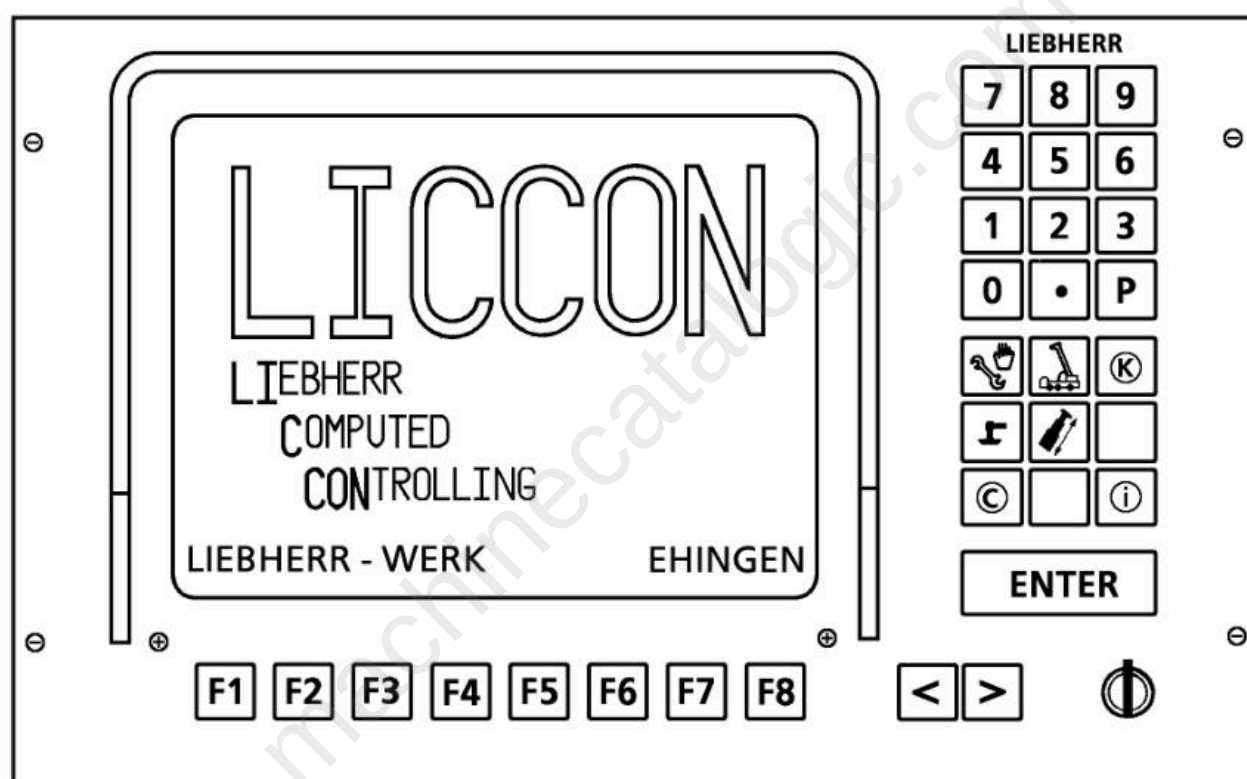
Improper assembly/disassembly of telescopic booms.

20% of all accidents involving cranes are due to improper maintenance:

- Lack of oil, grease or antifreeze
- Accumulation of too much dirt
- Broken cables, defective tires, worn parts
- Emergency limit switch or load torque limiter not operational
- Brake and/or transmission failure
- Defects in the hydraulic systems; for example, tears in hoses
- Loose screws

DANGER: In your interest and in the interest of others, please learn to command your crane thoroughly and familiarize yourself with all the dangers associated with the work to be carried out.





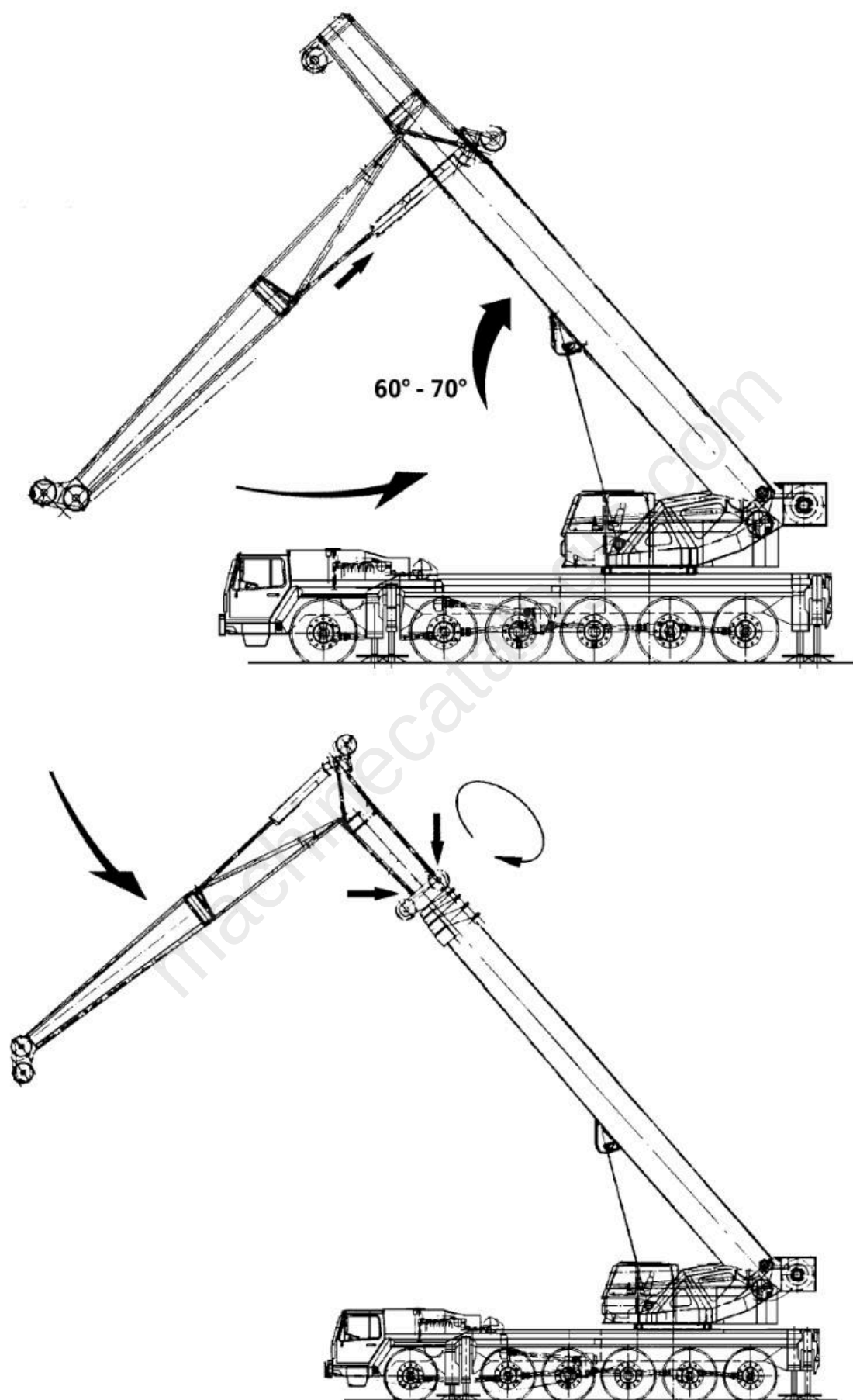
Ballast slabs

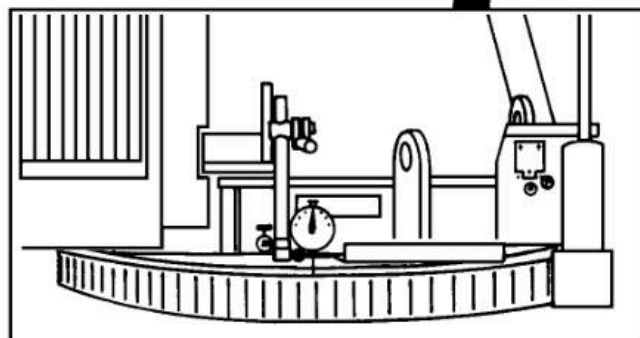
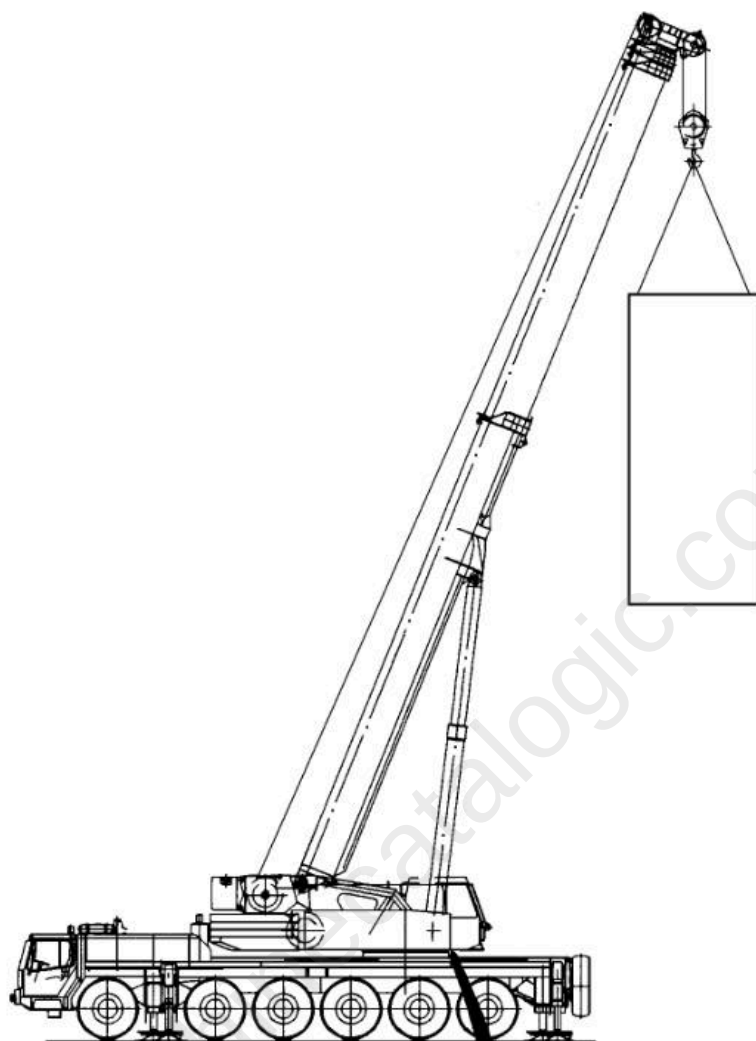
The ballast slabs are marked with their own weights.

D A N G E R : **The mounting of the ballast slabs must correspond to the information given in the load capacity table - otherwise, there is the danger of accidents.**

The following combinations are possible:

Ballast	Combination	Individual weight
3,0 t	winch II or auxiliary ballast	3,0 t
14,5 t	winch II or auxiliary ballast	3,0 t
	1 × slab 3	11,5 t
25,0 t	winch II or auxiliary ballast	3,0 t
	1 × slab 1	10,5 t
	1 × slab 3	11,5 t
35,5 t	winch II or auxiliary ballast	3,0 t
	1 × slab 1	10,5 t
	1 × slab 2	10,5 t
	1 × slab 3	11,5 t
46,0 t	winch II or auxiliary ballast	3,0 t
	1 × slab 1	10,5 t
	2 × slab 2	10,5 t
	1 × slab 3	11,5 t





Full Version Available

Liebherr LTM 1160/1 All Terrain Crane Operator Manual

Liebherr LTM 1160/1 all terrain crane operator manual covering controls, safe operation, setup, daily checks and care. Instant PDF download.

VIEW THE FULL MANUAL

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