

Oberwagen-Superstructure - Partie supérieure-Superestructura

**Bedienungsanleitung
Operation Manual
Notice de Conduite
Instrucciones de Servicio**

Fahrgestell-Chassis-Châssis-Chasis

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**Schmier- und Wartungsanleitung
Lubrication- and Maintenance Manual
Manuel d'entretien et de graissage
Instrucciones de mantenimiento y de engrase**

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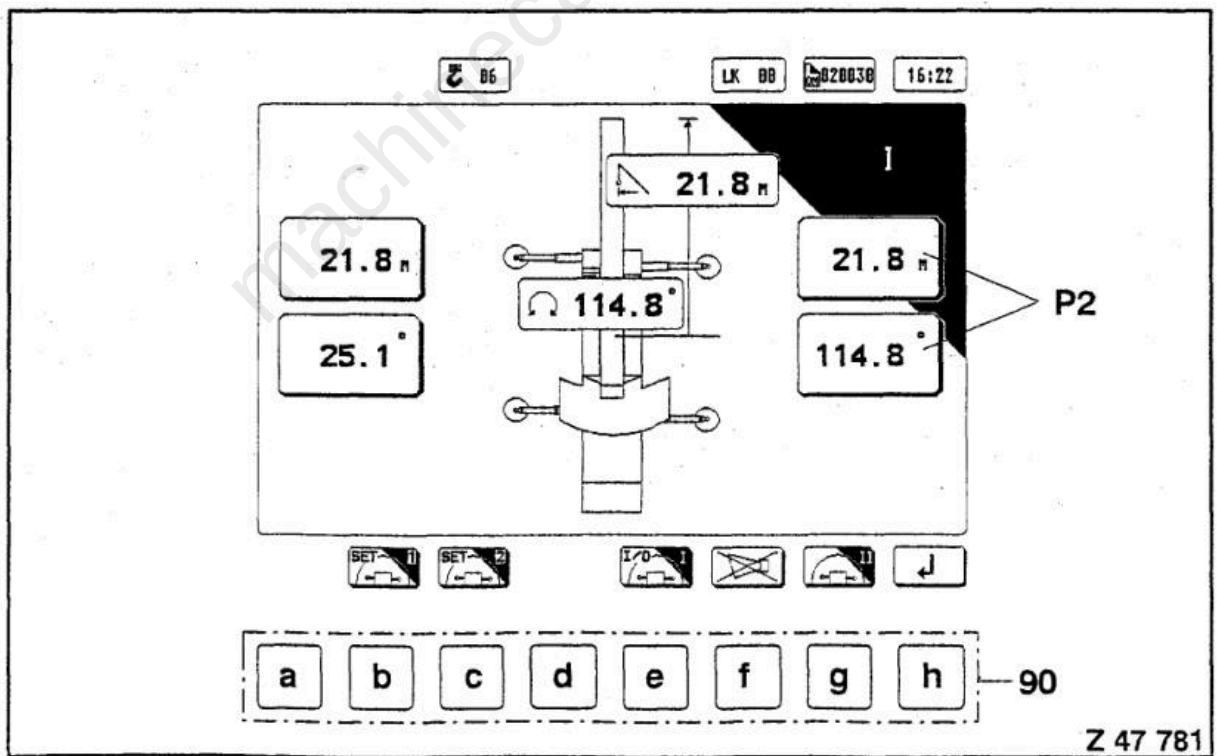
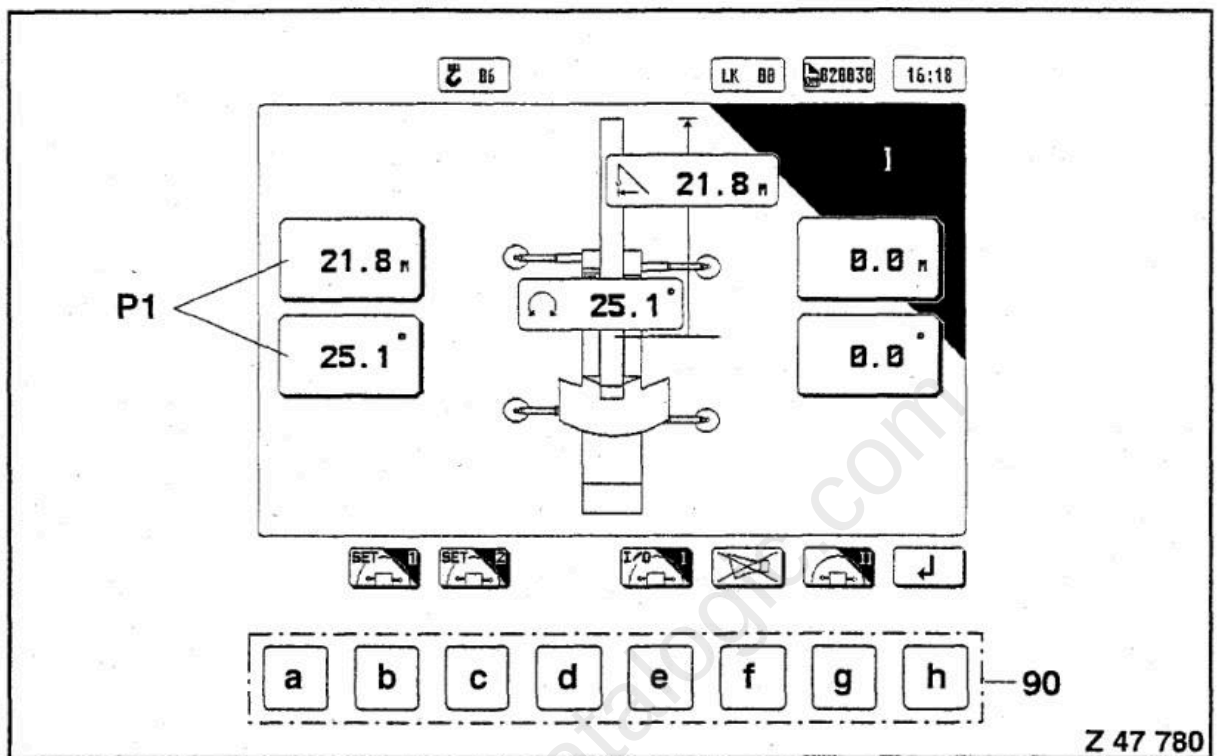
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Generalidades**

14. Now retract the counterweight hoist cylinders completely.
To this end, place rotary switch (2) in the pendant pushbutton (1) in position 1. (Z 43 413). By pressing on the arrow (31) of button (3) the counterweight lift cylinders (15) are retracted (Z 43 308 and Z 43 413).
The counterweight hoist cylinders (15) are lifted off the counterweight support (11) and are retracted (Z 43 305).



Make sure that these lift cylinders (15) are fully retracted. There is a risk of accidents when the superstructure is rotated if the counterweight lift cylinders are not fully retracted (Z 43 308).

15. Check the levelling of the crane and realign if required (see: operating instructions of the crane chassis, part 2, section 12).



12.5.3 Light Extension Lengths of the Main Boom (Z 43 109)



Light extension lengths are only for certain crane configurations (main boom operation without Superlift) and are only valid if the corresponding load capacity tables have been supplied with the device.

With the **light extension lengths** telescopic section 1 (possibly also telescopic section 2) is telescoped to 0 %. This serves the following purpose:

- Reaching higher loads at a large radius by reducing the head weight.
- If certain standard extension lengths are selected, the light extension lengths can be reached by direct retraction.

The individual extension lengths for the telescopic sections given in the table below must be adhered to. Observe the maximum permissible load in relation to the main boom length and extension sequence in the corresponding load tables.

The code no. "LK" specified in the table is the code that has to be entered on the ECIS console so that the main boom can be extended to the corresponding length.

Total main boom length (m)	Extension length of the individual telescopic sections				Code no. LK
	Tele 1	Tele 2	Tele 3	Tele 4	
28.6	0 %	45 %	45 %	45 %	30
33.2	0 %	0 %	90 %	90 %	86
35.3	0 %	0 %	100 %	100 %	96
37.9	0 %	90 %	90 %	45 %	70
42.5	0 %	90 %	90 %	90 %	80
45.6	0 %	100 %	100 %	100 %	90

12.5.3.1 Extension Sequence of the Telescopic Sections for Retracted Main Boom

If the desired main boom length is selected from the retracted condition, the same sequence is maintained when telescoping out as for when selecting standard boom lengths (see section 12.5.1 of these operating instructions).

4. By pressing switch (115) in the instrument panel, switch off the function "reel in auxiliary reeving winch". The indicator light integrated in the switch goes out.
Switch (116) remains activated, the function "reel in auxiliary reeving winch" is switched to control lever (1). The indicator light integrated in the switch (116) is reeled out.



Once the function "wind in reeving winch" has been switched to control lever (1), the superstructure can no longer be rotated.

5. Draw forward the hoist rope (Z 47 034).
With the superstructure engine running, move the control lever (1) in the crane operator's cab to the right to switch the auxiliary reeving winch to "wind in".
At the same time push control lever (2) in the crane operator's cab forwards to wind out rope "hoist 1".
The rope drum of the auxiliary winch (22) reels in the auxiliary reeving rope (23), the hoist rope (H1) is automatically drawn forward.



The speed is regulated via the control levers (1) and (2). Make sure that the rope does not become slack.

6. When the hoist rope (H1) has reached the height of the fly jib head, ease control levers (1) and (2) back into the "O" position and switch off operation of hoist 1 and the auxiliary winch.



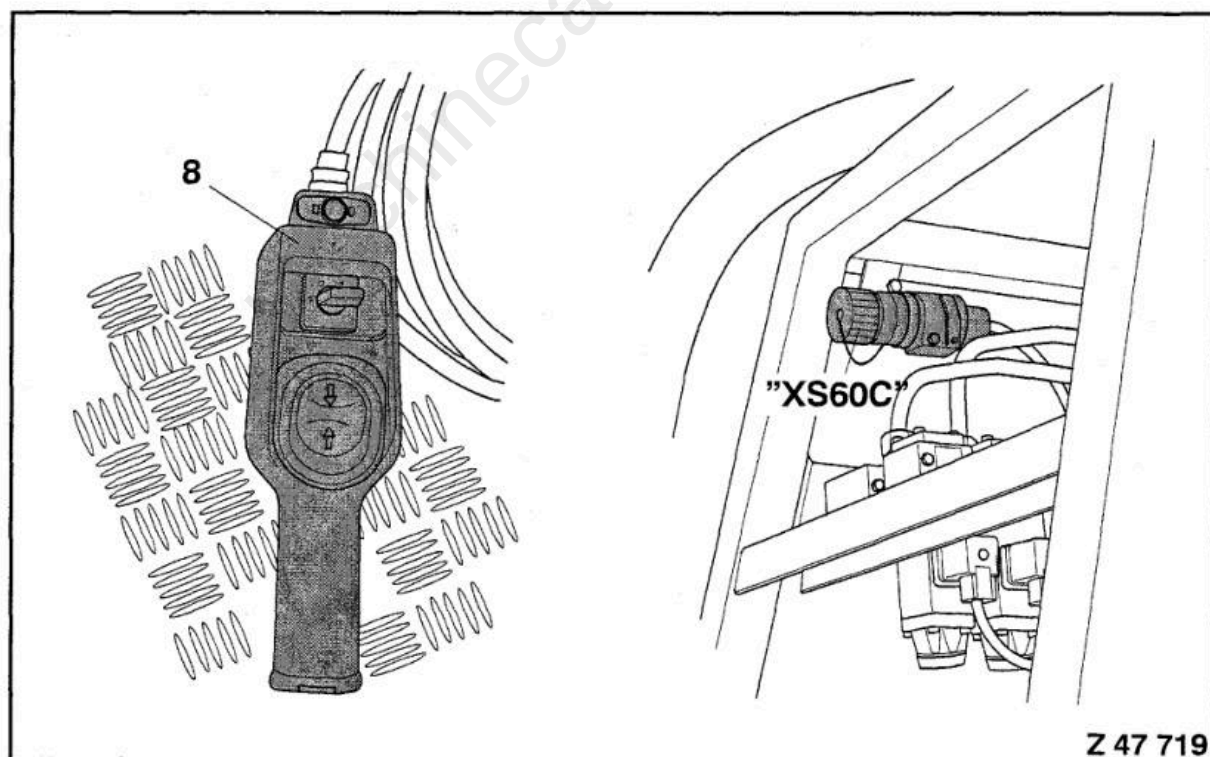
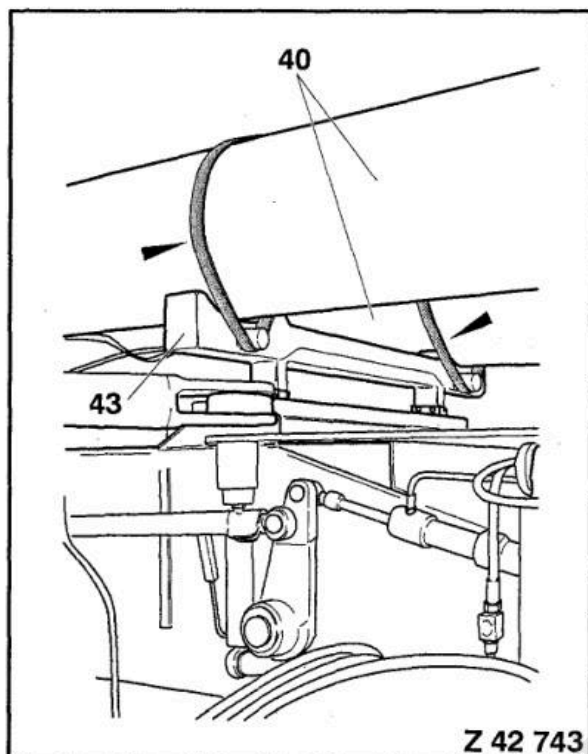
Drawing forward of the hoist rope must be ended before the fly jib head is reached. The hoist rope end with the attached rope sleeve (31) cannot be drawn through the rope protection arrangement of the deflection roller (B) (see detail "X").

7. Release the connection between the auxiliary reeving rope (23) and hoist rope (H1) by removing screw (29) (see detail "Z").
8. By pressing the control lever (1) switch the auxiliary winch (22) to "reel in" and reel the auxiliary reeving rope (23) fully onto the rope drum.
9. Press switches (115) and (116) in the dashboard again to switch off the function "reel in auxiliary reeving winch". The indicator lights fitted in the switches go out, the function "slew superstructure" is possible on control lever (1).

19.6.2 Erecting

Proceed as follows to erect the luffing fly jib (Z 46 194):

1. When the limit switch "high position fly jib" (S6.1) has switched off hoist 2, bridge the luminous pushbutton (102) using the limit switch. When the luminous pushbutton is pressed, "lower luffing gear", "raise hoist" and "extend telescopic sections" are bridged.
2. By drawing through the luffing rope with hoist 2, raise the rear luffing mast (13) until it is approximately vertical for fly jib lengths of up to 78 m.
For fly jib lengths of 84 m and 90 m, the rear luffing mast must be positioned approx. 25° to the rear.



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