CEAM016605

Operation & Maintenance Manual

WB146-5
WB146PS-5

BACKHOE LOADER

SERIAL NUMBERS	WB146-5	A23001 and up
	WB146PS-5	A43001 and up
ENGINE	4D102LE-2	

April 2016

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Cab Switches and Electric Accessories

Front Work Light Switch

This switch (22) enables the front work lights installed on the cab. When traveling on roads, switch off the work lights.



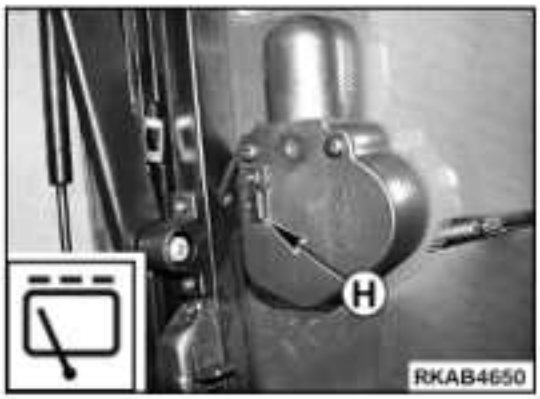
Rear Work Light Switch

This switch (20) enables the rear work lights installed on the cab. When traveling on roads, switch off the work lights.



Rear Windshield Wiper Switch

This switch (H) operates the rear windshield wiper.



Rear Windshield Washer Switch

This switch (I), with automatic return to the OFF position, operates the rear windshield washer.



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5. Install the lock pin.

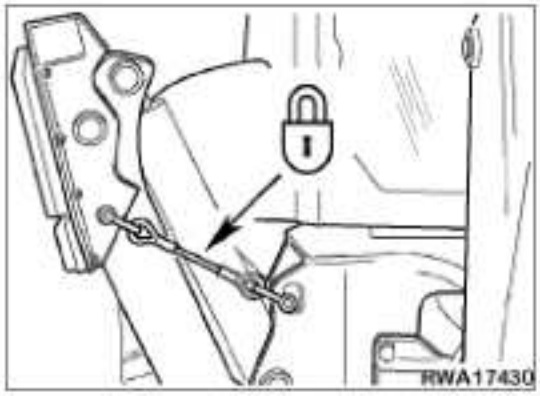


⚠ WARNING

When installing the backhoe lock pin, be careful not to get caught between the backhoe frame and boom. Never reach over the backhoe controls to install the lock pin. There is the possibility that you may bump one of the control levers causing the backhoe work equipment to move; or you may lose your balance and fall into the work equipment. Always install the lock pin while standing on the ground.

6. Connect the safety cables to prevent accidental lowering of the outriggers.

7. Use wire ropes and slings that match the weight of the machine. The operating weight of the WB146/146PS-5 is 7,300 kg (16,090 lb). Wind the wire rope and fix it to the lifting points as shown in "Lifting Position Marks."



Remark

Use protectors so that the wire ropes do not break at sharp edges or narrow places.
Use threaders and bars having sufficient width so that the slings and wire ropes do not touch the machine.

8. Clear the area of unwarranted personnel. Make sure enough ground guides are available to keep the area clear.

9. Lift the machine about 100 - 200 mm (4 - 8 in) above the ground.

10. Make sure that the wire ropes are not slack and that the machine is level. If ropes require adjustment, lower the machine back to the ground first.

11. If the wire ropes are taut and the machine is level, continue to lift the machine slowly. Provide signals to the crane operator and observe areas the crane operator cannot see.

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Every 10 Hours Maintenance

Lubricating Joints (Grease Fittings)

⚠ WARNING

- **Clean the grease fittings before attaching the grease pump.**
- **After lubrication, remove all the contaminated grease that may have spread out of the fittings.**
- **If the machine is used in difficult conditions, perform these operations more frequently than usual.**

This maintenance operation must be done with the front bucket resting on the ground, and backhoe equipment completely extended and resting on the ground, as indicated in the graphic.

Use the prescribed grease pump/grease. See "FUEL, COOLANT, AND LUBRICANTS" on page 3-8 and "LUBRICATION DIAGRAMS" on page 3-11.

★ As a general rule, each cylinder is provided with two grease fittings positioned on the couplings and that each pin serving as fulcrum point for movement is provided with at least one grease fitting.

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