

KOBELCO

OPERATION & MAINTENANCE MANUAL

CKE2500



Read and understand these instructions.
Failure to do so will increase risk of injury.



WARNING

Sound the signal horn to warn the surrounding personnel before starting the engine. Failure to observe this precaution may result in serious injury or loss of life.

- (1) Turn the key switch 2 steps to the right (ON position).

- (2) By turning the key switch one step more to the right (START position), the engine starts. After the engine starts, immediately release the key. The key returns to the ON position automatically.

Do not allow the starter to run more than 15 seconds continuously. If the engine does not start within 15 seconds, release the key and wait for more than 20 seconds, then start the engine again.

- (3) When it is difficult to start the engine due to low atmosphere temperature, turn the key to the left (HEAT position) to preheat the engine, then start the engine.

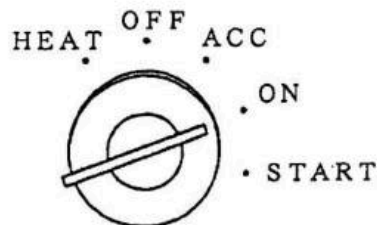
The standard preheating time is 15 to 20 seconds.

Do not preheat for more than 40 seconds continuously.

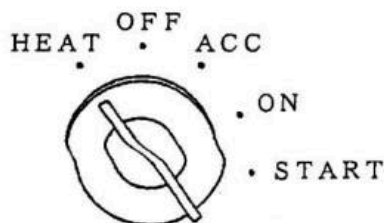
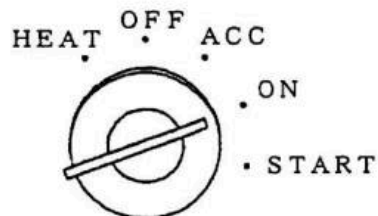
- (4) After the engine starts, immediately, check the monitor for abnormality. If the readings are improper, stop the engine immediately, and determine the cause.



HORN SWITCH

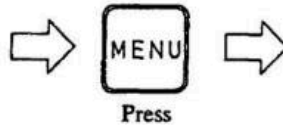
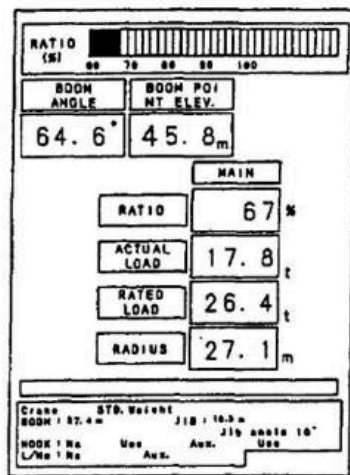


HORN SWITCH

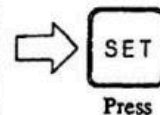
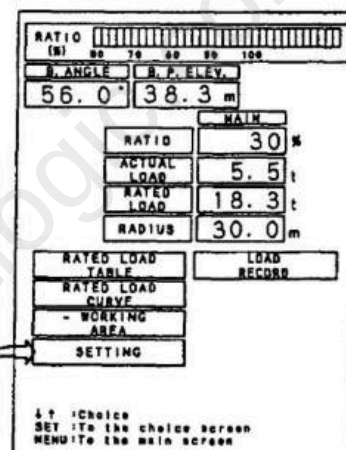
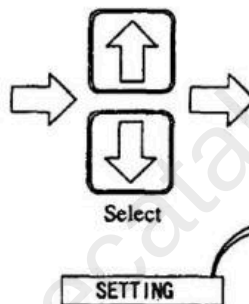
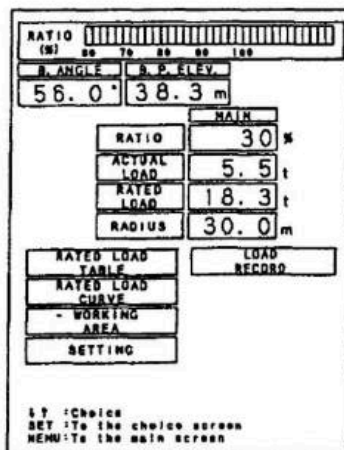


1. Setting

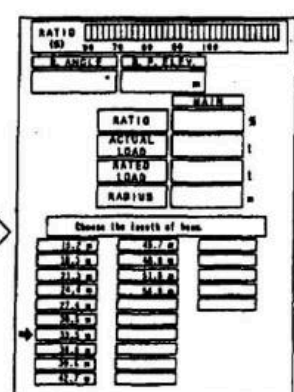
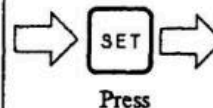
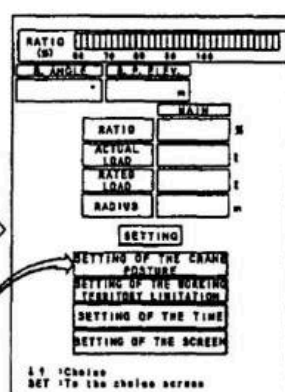
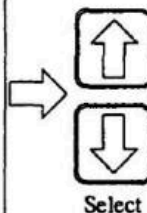
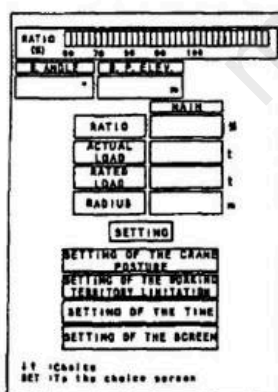
(1) Press the **MENU** switch while the main screen is displayed. Then, the item selection screen appears.



(2) On the item selection screen, select the "SETTING" with the and switches, and press the switch.



(3) Next, select the "SETTING OF THE CRANE POSTURE" among the items displayed on the screen with the  and  switches, and press the  switch.



4.12.3 REEVING THE REAR DRUM WIRE ROPE TO THE AUXILIARY SHEAVE

- (1) Place the ball hook near the tip of the auxiliary sheave.
- (2) Control the rear drum control lever to the lowering position to pay out the wire rope up to the tip end of the boom, and pass the wire rope through the idler sheave and auxiliary sheave in this order.

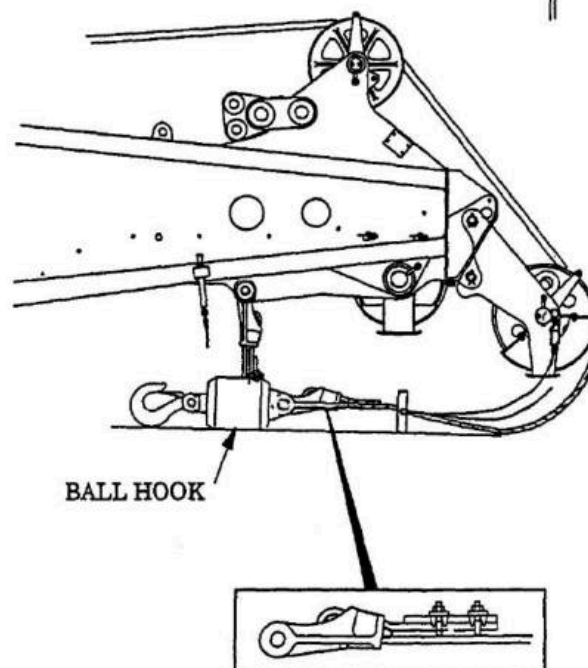
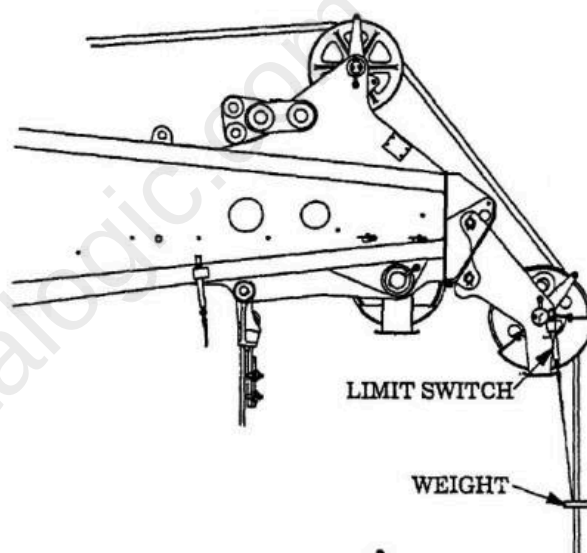
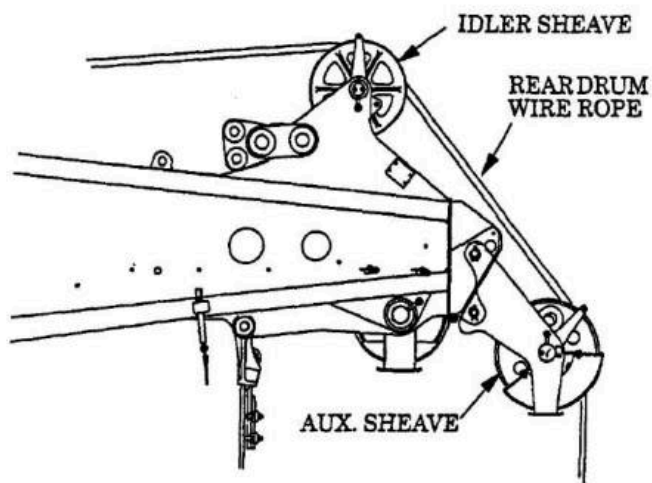


WARNING

- Do not touch a wire rope directly with bare hands. If wire protrude, you could be injured. Working gloves are recommended.
- Keep away from rope end when removing the wire rope. It may suddenly jump and cause injury.
- Keep hands and clothing clear of the rotating drum and running wire rope. Failure to observe this precaution may result in serious injury or loss of life.

The number of the wire rope part line for the auxiliary sheave must be always one.

- (3) Install the limit switch and weight to the auxiliary sheave.
- (4) Pass the wire rope end through the weight for the limit switch, and fix the end to the ball hook with the use of the rope socket.
- (5) Connect the wiring of the auxiliary hook anti-two-block (overhoist) limit switch, referring to Chapter 3 Safety Device.



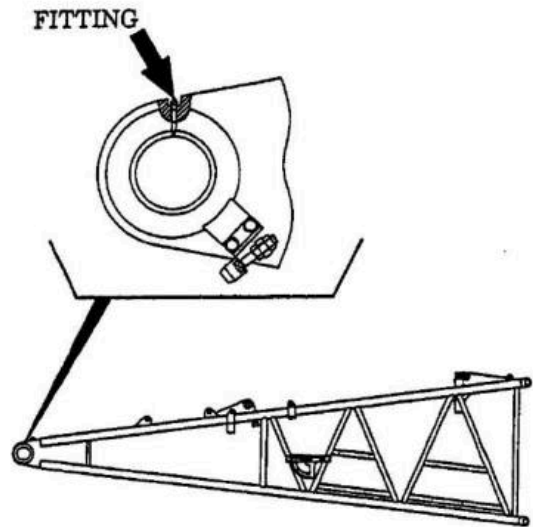


WARNING

Shut off engine before lubrication.
Failure to observe this precaution may result in serious injury or loss of life.

1. BOOM FOOT PIN

Grease from the grease fittings on the foot pin (left and right).



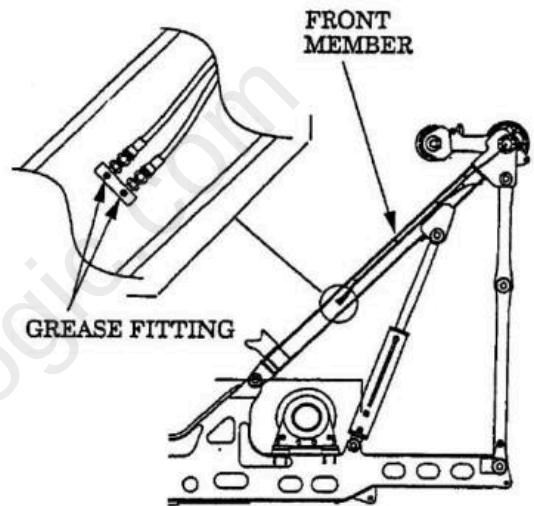
2. GANTRY LINK

Grease from the grease fittings provided on the front member.



WARNING

Before climbing on machine make certain that the guard and walk ways are clean and dry, and use life belt in order to prevent falls due to slippery surface. Failure to observe this precaution may result in serious injury or loss of life.



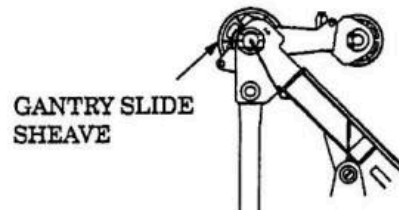
3. GANTRY SLIDE SHEAVE

Grease from the grease fittings provided on the sheave.



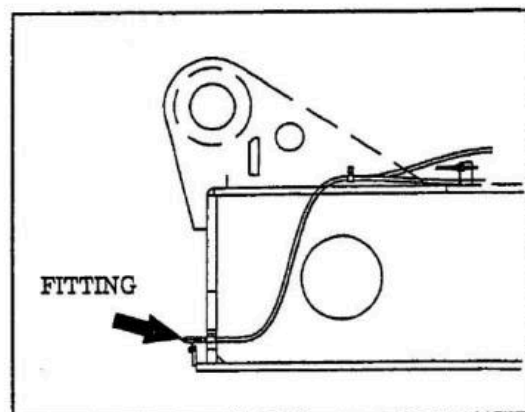
WARNING

Before climbing on machine make certain that the guard and walk ways are clean and dry, and use life belt in order to prevent falls due to slippery surface. Failure to observe this precaution may result in serious injury or loss of life.



4. DRUM LOCK

To grease the front and rear drum locks, grease from the grease fittings provided in the front of the revolving frame (two places).



Full Version Available

Kobelco CKE2500 Crawler Crane Operator Manual

Kobelco CKE2500 crawler crane operator manual covering controls, safe operation, assembly and daily maintenance. 425-page English PDF. Instant PDF download.

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