

OPERATION & MAINTENANCE MANUAL

CK1200 (Luffing)

APPLICABLE : from GK04-03001

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IMPORTANT INFORMATION

Thank you for your purchasing KOBELCO crawler crane. Our CK series full-hydraulically operated crawler crane, is manufactured based on our many years of experience and expertise. This manual describes important information about Model CK1200.

Before operating the machine, be sure to thoroughly read this manual in order to use the machine safely and efficiently.



Do not operate or maintain this machine until you read this manual and understand the instructions. Improper operation or maintenance of this machine may cause accidents and could result in serious injury or death.

Always keep this manual in the operator's cab.

If it is missing or damaged, place an order to a KOBELCO authorize distributor for a replacement.

If you have any questions, please consult your KOBELCO authorize distributor.

SAFETY INFORMATION

Most accidents, that occur during operation are due to neglect of precautionary measures and safety rules. Sufficient care should be taken to avoid these accidents.

Erroneous operation, lubrication or maintenance services are very dangerous and may cause injury to, or death of, personnel.

Precautionary measures or notes provided in this manual should be read and understood by personnel before starting each task.

Operation, inspection, and maintenance should be carefully carried out, and safety must be given first priority.

Safety labels are indicated with ▲ marks. The safety information contained in this manual is intended only general safety information.

Safety labels appear both in this manual and on the machine.

All safety labels are identified by the words "DANGER", "WARNING" and "CAUTION".

These words mean the following:



Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.



Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.



Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against possible damage to the machine and its components.

Note

Supplementary explanation.

It is very difficult for us to forecast every danger that may occur during operation. However, safety can be ensured by operating this machine according to methods recommended by KOBELCO.

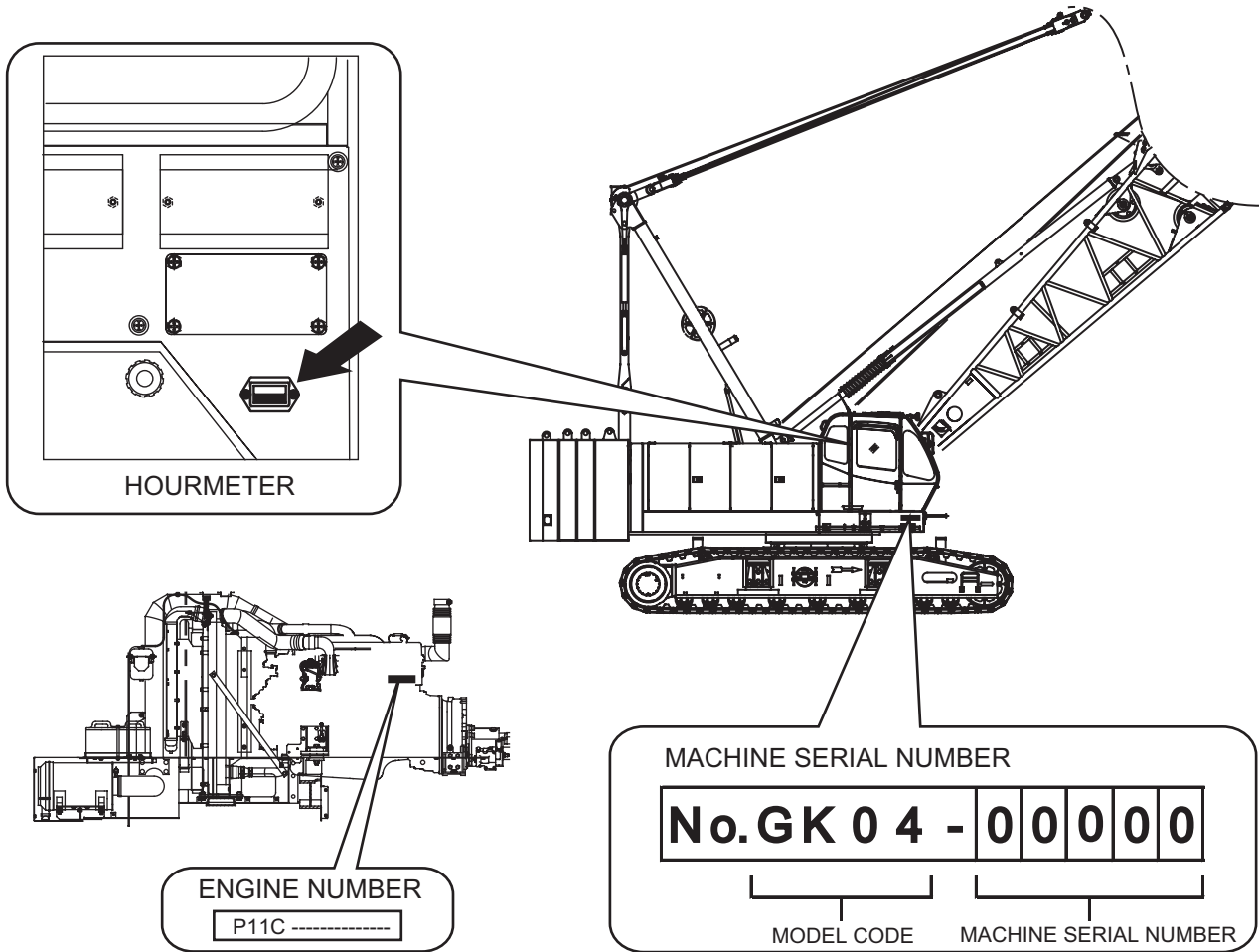
While operating the machine, be sure to perform work with great care, so as not to damage the machine or allow accidents to occur.

Please continue studying this manual until proper operation is completely understood.

IMPORTANT INFORMATION

MACHINE SERIAL NUMBER

When you order repair parts or need machine repair or service, always inform us of the machine serial number (stamped on the name plate) and the total number of hours indicated on the hourmeter (located on the gauge).



ENTER MACHINE SERIAL NUMBER OF THIS MACHINE

MACHINE MODEL	CK1200	MACHINE SERIAL No.	GK04-	ENGINE No.	P11C-
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WARRANTY

The terms under which this machine is guaranteed are clearly defined in the accompanying WARRANTY. Trouble and damage occurring during the terms of the guarantee shall be repaired at no cost to the purchaser, according to the warranty description, if the trouble or damage is determined to be our responsibility. However, if you use the machine contrary to the instructions of this manual, the WARRANTY does not cover any damage to the machine.

REPAIR PARTS

Use genuine KOBELCO parts when servicing and repairing the machine in order to ensure proper machine performance. Important security parts are designed to ensure operator safety and to protect the machine from serious damage. These parts must be replaced according to specified maintenance schedules.

EXPLANATION OF WARNING LABELS

Safety labels, shown on the following pages, are installed directly on the machine and indicate the three levels of safety precautions. Confirm the positions and contents of all safety labels before starting work.

Put them to practical use to secure safety when operating the machine, or checking and performing maintenance.

HANDLING OF WARNING LABELS

When the safety label is damaged or stained, order a replacement label from the designated service shop.
Do not remove the safety labels. If the surface of the safety label is soiled and/or difficult to be seen, wipe it cleanly.

IMPORTANT INFORMATION

⚠ DANGER

NEVER FORGET TO ENGAGE GANTRY CONNECTION PINS

TO AVOID FALLING OF BOOMS, GANTRY CONNECTION PINS MUST BE ENGAGED WHEN GANTRY IS AT HIGH POSITION. ALSO, LOWER PARTS OF TENSION BARS MUST BE CONNECTED TO REVOLVING FRAME OR COUNTERWEIGHT WHEN GANTRY IS AT LOW POSITION.

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⚠ DANGER

When lock pin is not installed, do not stand under gantry.

JJ20T01097P1

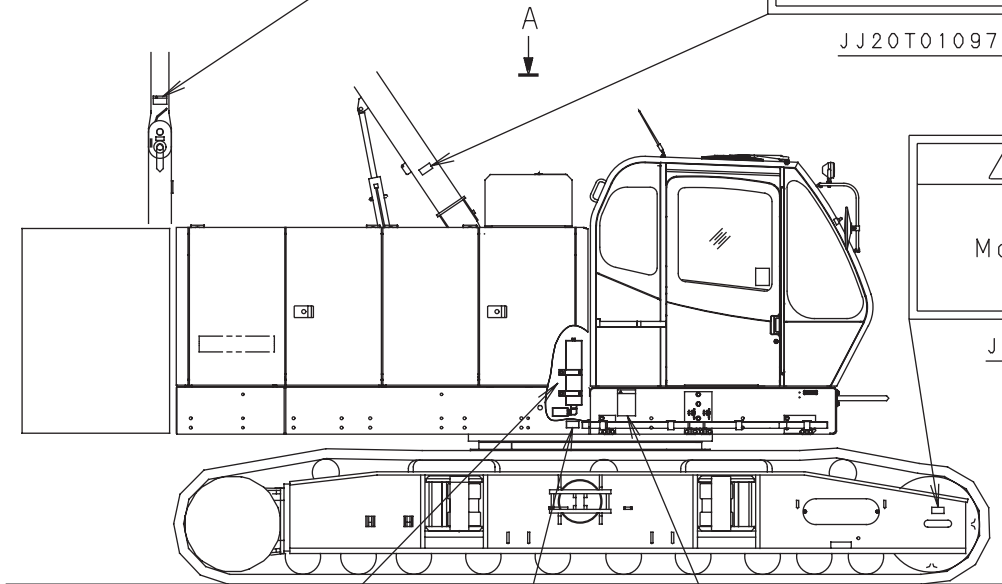
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⚠ CAUTION

Moving parts.

JJ20T01096P1

JJ20T01096P1



⚠ CAUTION

Stay out from crane swing area.

JJ20T01095P1

JJ20T01095P1

⚠ DANGER

DEATH OR INJURY MAY RESULT IF MACHINE, LOAD, OR LOAD LINE TOUCHES OR COMES CLOSE TO ELECTRICAL LINES. ALWAYS MAINTAIN A CLEARANCE OF AT LEAST 10 FEET (3 METERS) BETWEEN THE CRANE OR THE LOAD BEING HANDLED AND POWERLINES.

UNLAWFUL TO PLACE ANY PART OF THIS MACHINE OR LOAD WITHIN 10 FEET (3 METERS) OF HIGH VOLTAGE LINES OF 50,000 VOLTS OR LESS. GREATER CLEARANCES ARE REQUIRED FOR HIGHER VOLTAGES. SEE YOUR LOCAL, STATE, AND FEDERAL REGULATIONS.

ALWAYS NOTIFY ELECTRIC COMPANY IF THERE ARE ELECTRIC LINES IN THE AREA WHERE MACHINE WILL BE WORKING.

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ACCUMULATOR CHARGING GAS PRESSURE.

3.4 ~ 3.7 Mpa (35 ~ 38 Kg/cm²)

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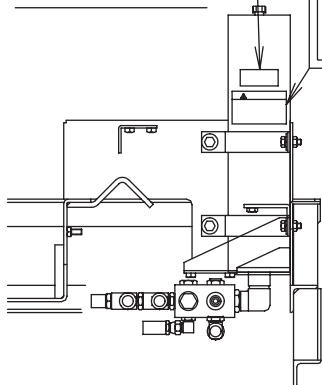
⚠ WARNING

AVOID EXPLOSION WHEN HANDLING ACCUMULATOR

THIS CASE IS CHARGED WITH HIGH PRESSURE NITROGEN GAS. NEVER ATTEMPT TO WELD, GAS-CUT, PUT ON FIRE, NOR DISASSEMBLE THE CASE TO AVOID EXPLOSION.

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DETAIL C
(ACCUMULATOR)