OPERATION & MAINTENANCE MANUAL

CK1200

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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 **A** 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.



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.

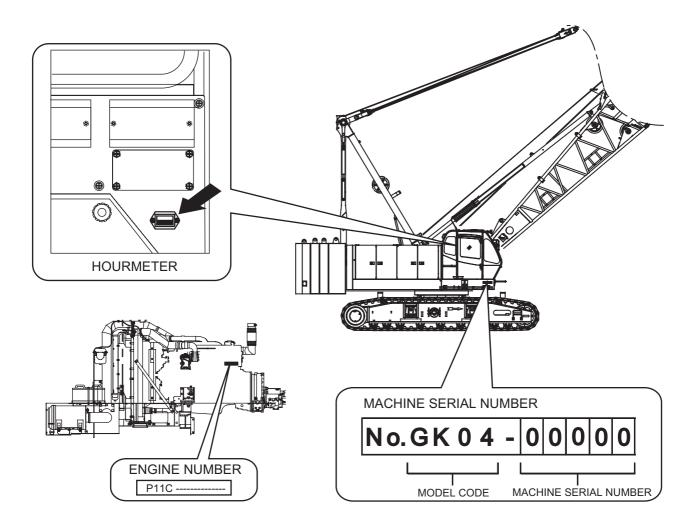
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Please continue studying this manual until proper operation is completely understood.

CK1200

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 CK1200 MACHIN SERIAL N	NE 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

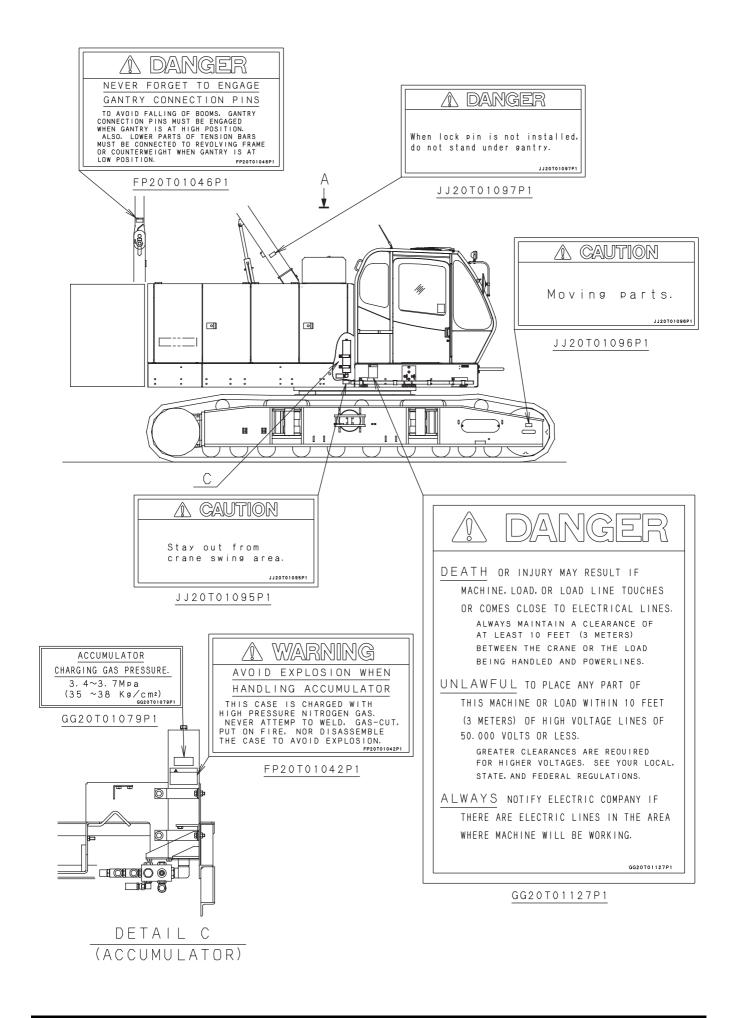
Safety labels, shown on the following pages, are installed directly on the machine and indicate the three levels of safety precautions. Confirm the positions and contents of all safety labels before starting work. Put them to practical use to secure safety when operating the machine, or checking and performing maintenance.

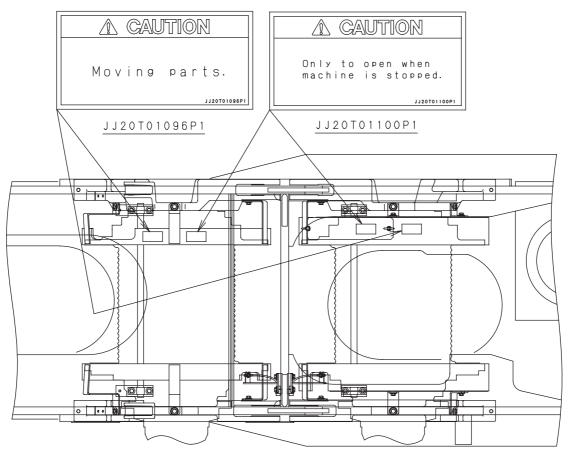
HANDLING OF WARNING LABELS

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.

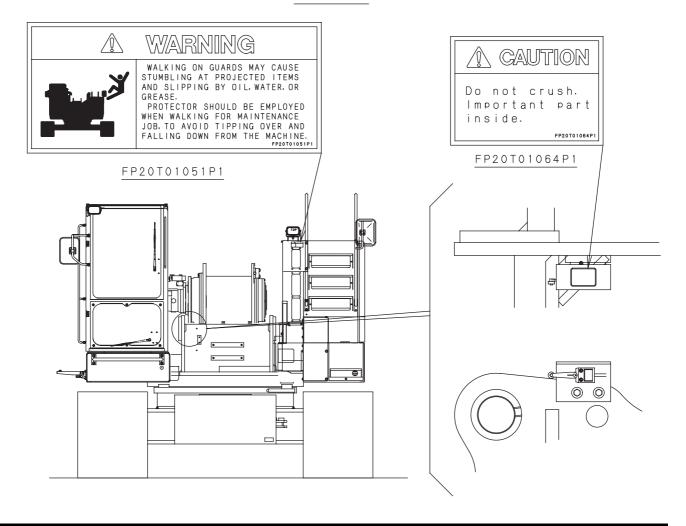
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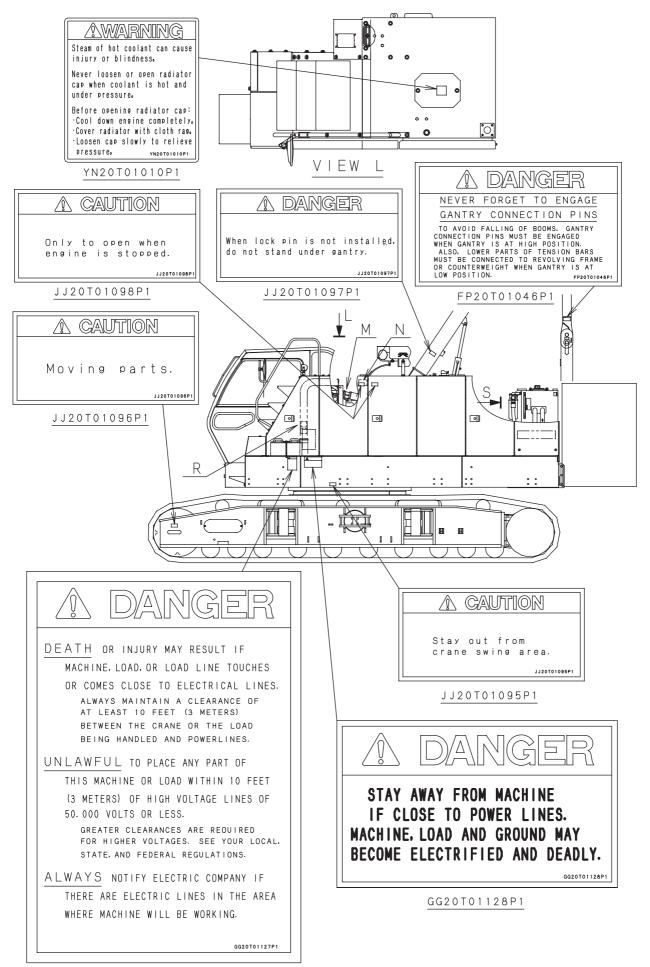




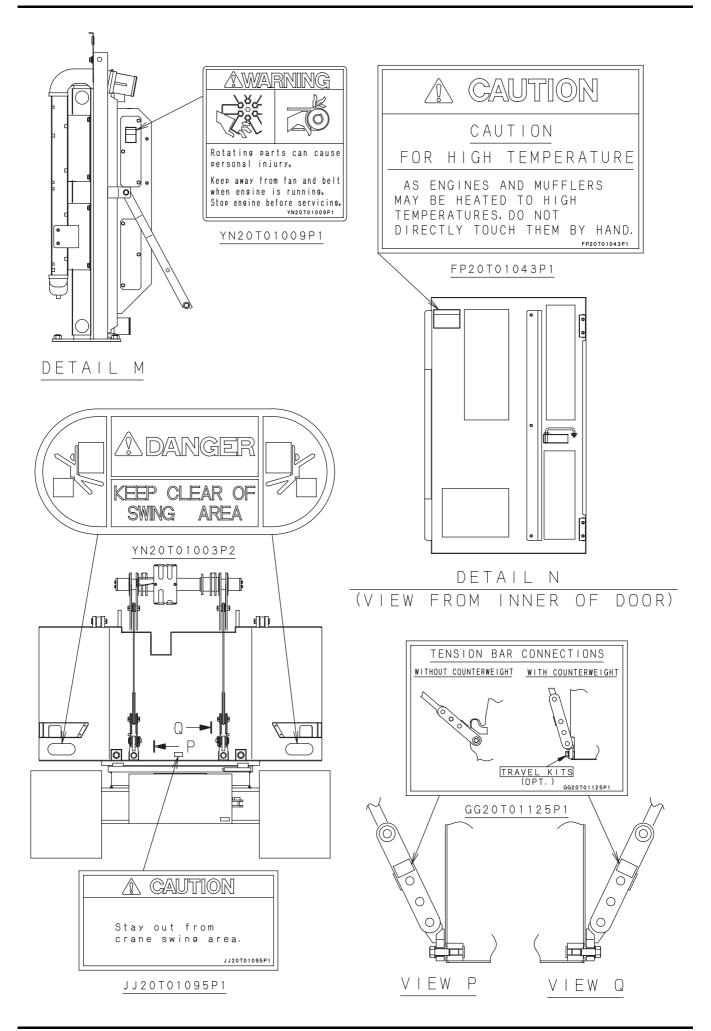
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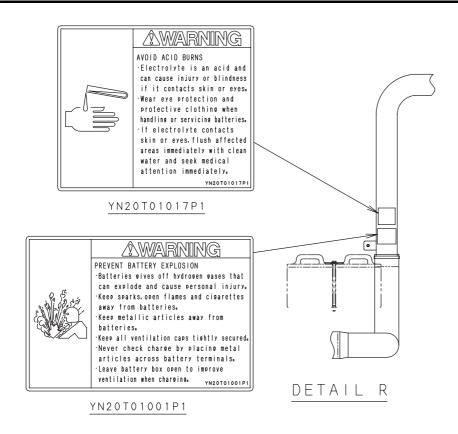
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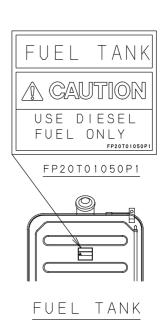


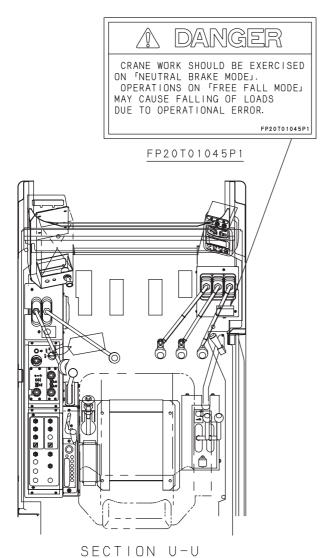
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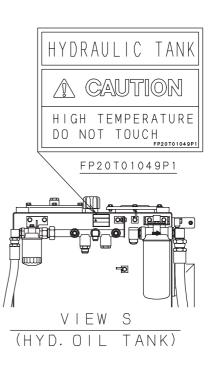


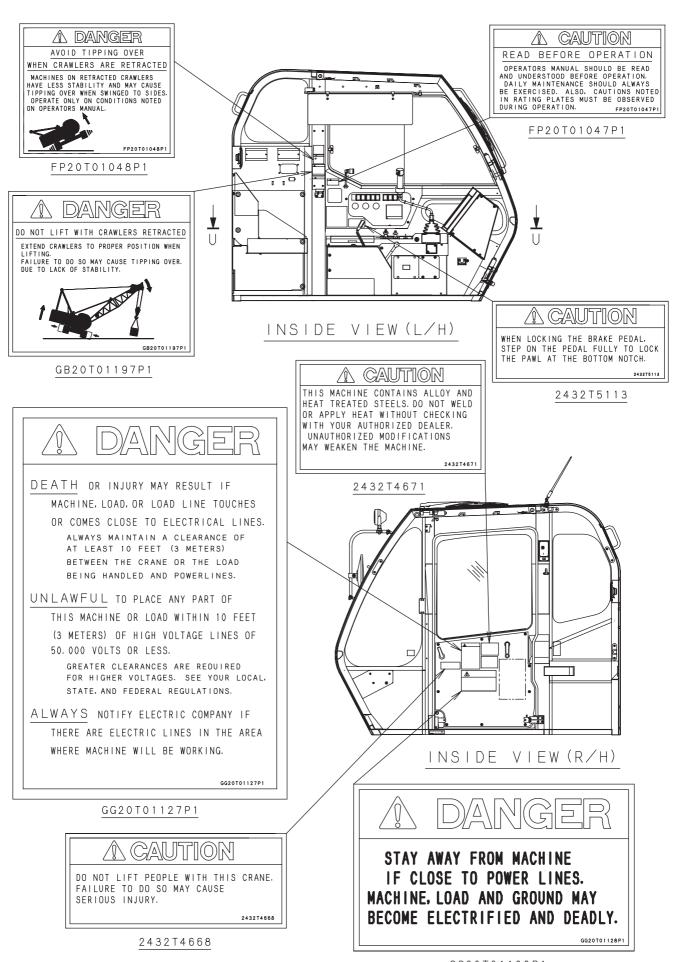
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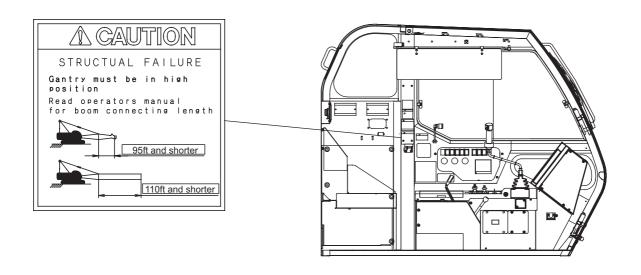


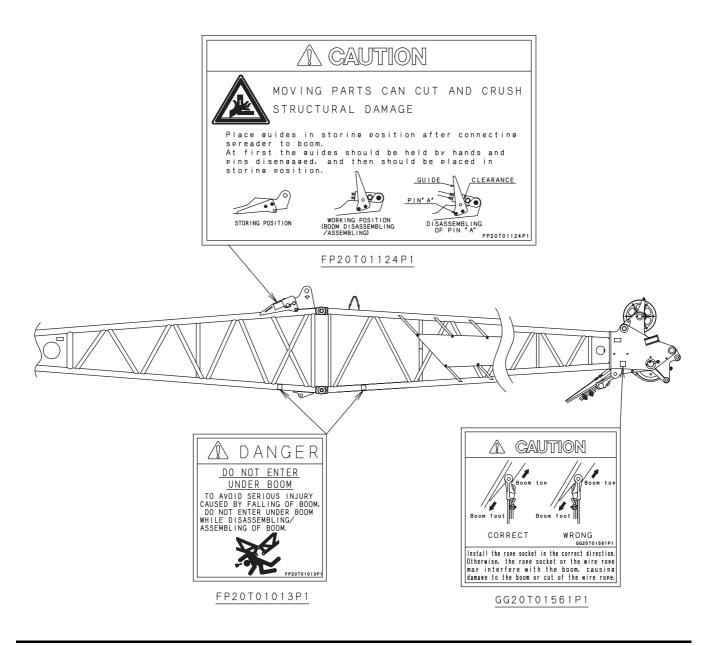




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1. SAFE OPERATING PRACTICES FOR MOBILE CRANES

INTRODUCTION

Because cranes have the ability to lift heavy loads to great heights, they also have a potential for accidents if safe operating practices are not followed. This book will help you prevent accidents that could result in injury, death, or property damage.

General safe practices for working on machinery must be followed as well as the safe operating practices recommended here.

OPERATOR'S RESPONSIBILITY

The operator is the best safety feature in any crane. Safety must always be the operator's most important concern. He must refuse to operate when he knows it is unsafe and consult his supervisor when safety is in doubt.

He must read and understand the Operator's Manual and see that the machine is in proper order before operating.

He must understand how to read the rating plate and know that his machine can safely lift each load before attempting to lift it.

He must never lift a load without knowing the length of the boom, the weight of the load, and the load radius or boom angle.

Never attempt to operate the crane at conditions exceeding those shown on the rating chart. Such operation can cause tipping or structural failure of the crane that can result in damage, injury, or death.

He must be alert, physically fit, and free from the influences of alcohol, drugs, or medications that might affect his eyesight, hearing, reactions, judgment.

He must see that unnecessary people, equipment, and material are kept out of the work area. The area around the machine should be properly barricaded.

When an operator's vision is restricted or when operating in hazardous places such as near electrical power lines or around people, a signalman must be used. Because the operator is not always in the best position to judge distances and can not see all parts of the jobsite, a signalman may also be necessary at other times. Operators must understand standard crane signals and take signals only from designated signalmen.

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Full download: http://manualplace.com/download/kobelco-crawler-crane-sk1200-1f-crane-operator-maintenance-s2gk23001ze

SIGNALMAN'S RESPONSIBILITY

The primary duty of a signalman is to assist the operator in safe and efficient operation. Operators depend on designated signalmen to assist them in making movements without endangering people or property.

Signalmen must have a clear understanding of the work to be done so that they can safely coordinate each job with operators and other crew members. Signalmen must place themselves where they can be clearly seen and where they can safely observe the entire operation. Standard crane signals must be used unless other methods of signaling, such as two way radios or flags have been agreed upon.

CREW MEMBER'S RESPONSIBILITY

Any unsafe condition or practice must be corrected or reported to the job supervisor.

Everyone who works around the crane, including riggers and oilers, must obey all warning signs and watch out for his own safety and the safety of others. Crew members setting up machines or handling loads are expected to know proper machine erection and rigging procedures.

Watch for hazards during operations and alert the operator and signalmen of dangers such as power lines, the unexpected presence of people, other equipment or unstable ground conditions.

MANAGEMENT'S RESPONSIBILITY

See that operators are trained, competent, physically fit and, if required, licensed. Good vision is required, as are good judgment, coordination and mental ability. Any person who lacks any of these qualities must not be allowed to operate a crane.

Signalmen must have good vision and sound judgment, know standard crane signals and be able to give signals clearly. They must have enough experience to be able to recognize hazards and signal the operator to avoid them.

Riggers must be trained to determine weights and distances and to select proper lifting tackle. Rigging is a complex subject far beyond the scope of this manual. It is management's responsibility to employ qualified riggers.

Crew members must be given specific safety responsibilities and instructed to report any unsafe conditions to their supervisors.