

MODEL _____ **HSP-8018C** _____
BOOK No. _____ **783** _____
SERIAL No. _____

CRANE SERIAL NUMBER

The crane serial number is stamped on the serial number plate which is located inside the operator's cab. The serial number should always be furnished when ordering parts for the crane or when corresponding with the distributor or factory concerning the crane. Providing the serial number is the only way of ensuring the correct parts and/or information can be furnished.

In the event the serial number plate is not readable, a number is stamped on the upper revolving frame which can be used to identify the crane. On cable cranes this number is located on the right hand boom foot mounting lug. On hydraulic cranes the number is stamped just below the boom hoist cylinder mounting lugs.

MODEL _____ **HSP-8020C** _____
BOOK No. _____ **783** _____
SERIAL No. _____

CRANE SERIAL NUMBER

The crane serial number is stamped on the serial number plate which is located inside the operator's cab. The serial number should always be furnished when ordering parts for the crane or when corresponding with the distributor or factory concerning the crane. Providing the serial number is the only way of ensuring the correct parts and/or information can be furnished.

In the event the serial number plate is not readable, a number is stamped on the upper revolving frame which can be used to identify the crane. On cable cranes this number is located on the right hand boom foot mounting lug. On hydraulic cranes the number is stamped just below the boom hoist cylinder mounting lugs.

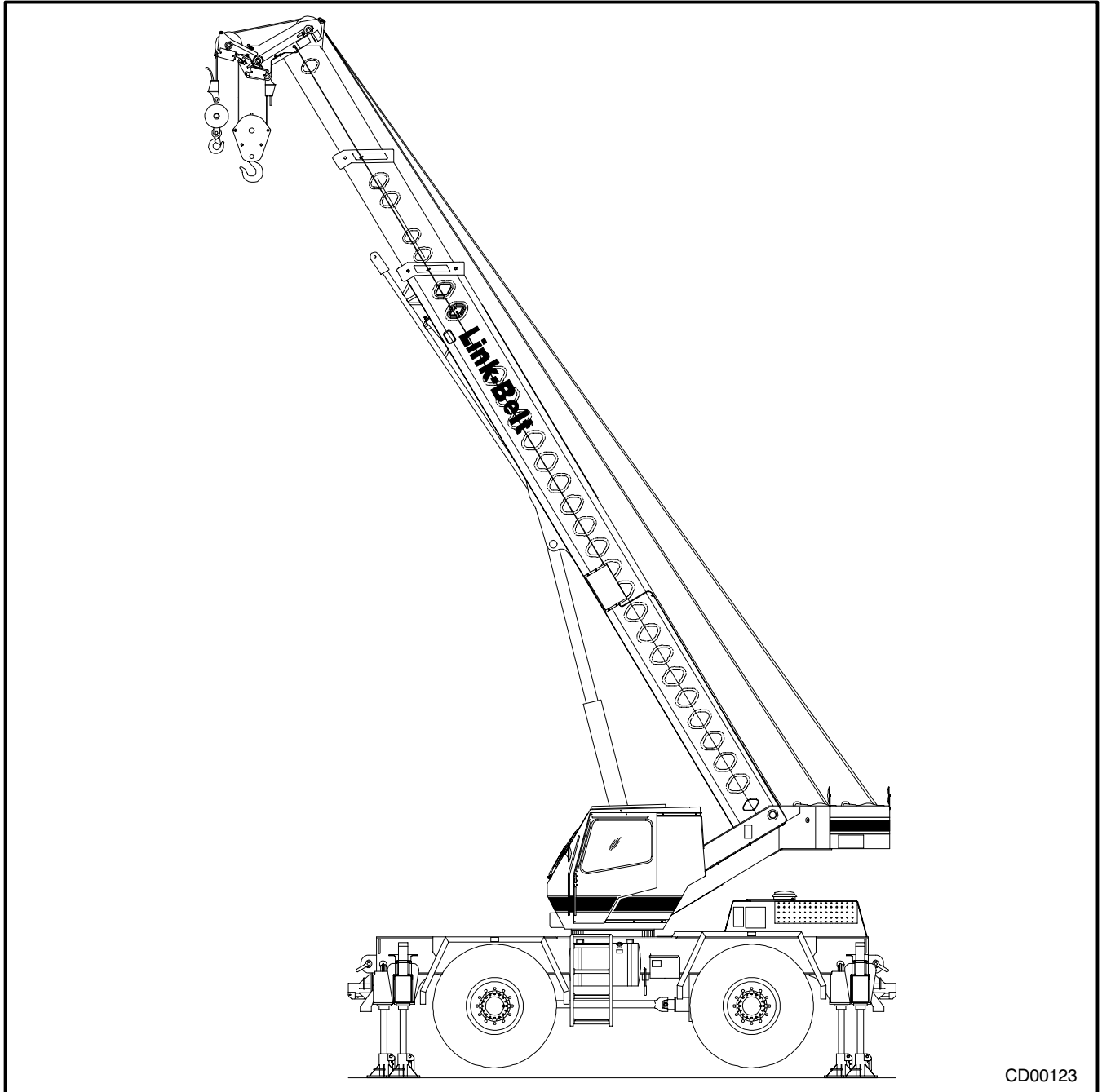
MODEL _____ **HSP-8022C** _____
BOOK No. _____ **783** _____
SERIAL No. _____

CRANE SERIAL NUMBER

The crane serial number is stamped on the serial number plate which is located inside the operator's cab. The serial number should always be furnished when ordering parts for the crane or when corresponding with the distributor or factory concerning the crane. Providing the serial number is the only way of ensuring the correct parts and/or information can be furnished.

In the event the serial number plate is not readable, a number is stamped on the upper revolving frame which can be used to identify the crane. On cable cranes this number is located on the right hand boom foot mounting lug. On hydraulic cranes the number is stamped just below the boom hoist cylinder mounting lugs.

Operator's Manual



Crane Serial Number

The crane serial number is stamped on the crane capacity plates. A set is located in the operator's cab on the left side of the interior. The crane serial number should always be furnished when ordering parts for the crane, or when corresponding with the distributor or factory regarding the crane. The serial number is the only method the distributor or factory has of ensuring that the correct parts will be furnished.

In the event the serial number can not be found on the capacity plate, a number is stamped on the top right side of the carrier frame and on the right side of the upper frame just below the boom hoist cylinder lug. This number can then be used to identify the crane.

Operator's Manual



WARNING

CONSTRUCTION EQUIPMENT CAN BE DANGEROUS IF IMPROPERLY OPERATED OR MAINTAINED. THIS MACHINE SHOULD BE OPERATED AND MAINTAINED ONLY BY TRAINED AND EXPERIENCED PEOPLE WHO HAVE READ, UNDERSTOOD, AND COMPLY WITH THE OPERATOR'S MANUAL.

The productive life of construction equipment depends largely on the care and consideration given to it. This especially holds true for hydraulic cranes. This operator's and maintenance manual was compiled to explain the procedures and adjustments necessary for proper operation of this crane.

A study of this manual will acquaint the operator and service personnel with the construction of this crane. It will enable them to identify and remedy most problems that may occur. Any questions pertaining to the care and upkeep of this crane which are not covered in this manual should be directed to your nearest distributor.

Operator's Manual

Throughout this manual, reference is made to the left, right, front and rear pertaining to direction and locations. These reference directions are relative to the operator as he is sitting in the operator's seat with the upper directly over the front of the carrier. (Engine to the rear of the operator).

Danger, warning and caution captions as well as special notes are used throughout this manual and on the crane to emphasize important and critical instructions. **If any instruction, caution, warning or danger labels, decals or plates become lost, damaged or unreadable, they must be replaced.** Information contained on such labels, decals and plates is important and failure to follow the information they contain could result in an accident. Replacement labels, decals and plates can be ordered through your distributor. For the purpose of this manual, and the labels which are placed on the crane, danger, warning and caution captions and notes are defined as follows:



DANGER

An operating procedure, practice, etc. which, if not correctly followed, may result in severe personal injury, dismemberment or loss of life.



WARNING

An operating procedure, practice, etc. which, if not correctly followed, may result in personal injury.



CAUTION

An operating procedure, practice, etc. which, if not correctly followed, may result in damage to or destruction of equipment or property.

NOTE

Note: An operating procedure step, condition, etc. which is essential in order for the process to be completed properly.

Operator's Manual

General Index

A detailed table of contents for each section of this manual is included at the beginning of each section. The following is a description of each section:

Section 1 – Operating Instructions Pages 1–1 Thru 1–64

Section 1 includes the necessary information for safe, productive crane operation. It includes the nomenclature and operation of all control switches, levers, pedals, and instrumentation of the crane.

Section 2 – Lubrication And Preventive Maintenance Pages 2–1 Thru 2–26

Section 2 includes the necessary information for proper lubrication and preventive maintenance for daily operations. It includes the check/change intervals and procedures for maximizing the service life of the crane under normal working conditions. It also includes lubrication types and specifications approved for use in the crane.

Section 3 – Periodic Adjustments Pages 3–1 Thru 3–20

Section 3 includes the adjustments which must be made periodically to keep the crane in proper, safe working order. It includes the procedures and necessary information for adjusting the brakes, mechanical linkages and hydraulic pressures on the crane.

Section 4 – Attachments Pages 4–1 Thru 4–18

Section 4 includes the use and operation of the crane attachments. It includes the necessary information for installation, erection, storage, and removal of the auxiliary lifting sheave, offset lattice fly section and telescoping fly section.

Section 5 – General Information And Specification Pages 5–1 Thru 5–20

Section 5 includes general information on the serial number and capacity plates, general information on wire rope specifications, inspection, replacement, connections and reeving and general specifications and schematic diagrams of the crane.

Section 6 – Fundamental Terms Pages 6–1 Thru 6–4

Section 6 includes a list of terms which are used to refer to crane functions, assembly, operation and maintenance. These terms are defined as to how they are used in this manual.