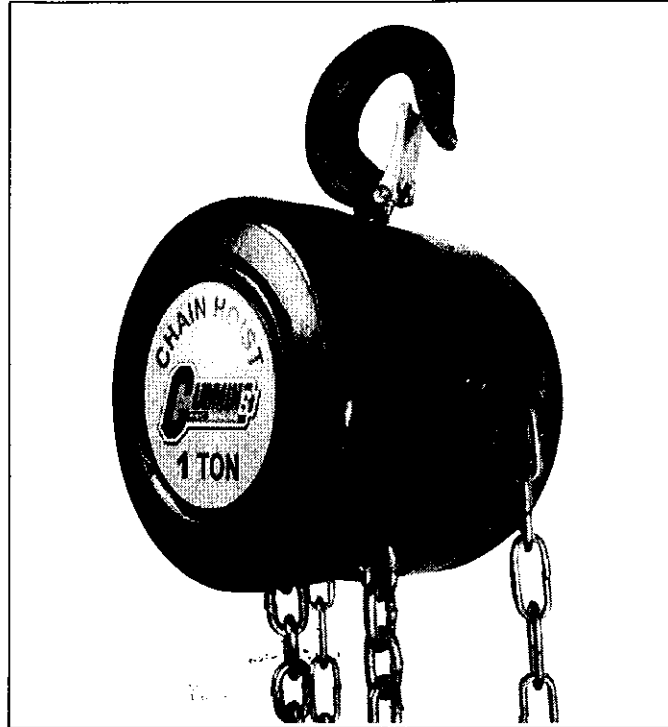




# Assembly & Instruction Manual **ITEM 3119**



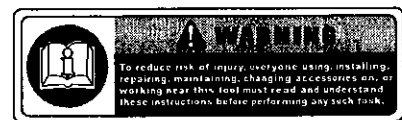
# 3 TON CHAIN HOIST

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Your new 3 TON CHAIN HOIST has been engineered and manufactured to Cummins Industrial Tools high standards for dependability, ease of operation, and operator safety. Pay close attention to the Rules for Safe Operation, Warnings, and Cautions. If you use your machine properly and only for what it is intended, you will enjoy years of safe, reliable service.

## SAFETY WARNINGS AND PRECAUTIONS

**WARNING:** When using tool, basic safety precautions should always be followed to reduce the risk of personal injury and damage to equipment. Read all instructions before using the tool!

- **Work area conditions.** Cluttered areas invite injuries.
- **Additional work area conditions.** Do not use machines or power tools in damp or wet locations. Do not expose to rain. Keep work area well lighted.
- **Keep children away.** Children must never be allowed in the work area. Do not let them handle machines, tools or extension cords.
- **Store idle equipment.** When not in use, tools must be stored in a dry location to inhibit rust. Always lock up tools and keep out of reach of children.
- **Use the right tool for the job.** Do not attempt to force a small tool or attachment to do the work of a larger industrial tool. There are certain applications for which this tool was designed. It will do the job better and more safely at the rate for which it was intended. Do not modify this tool and do not use this tool for a purpose for which it was not intended.
- **Dress properly.** Do not wear loose clothing or jewelry as they can be caught in moving parts. Protective, electrically non-conductive clothes and non-skid footwear are recommended when working. Wear restrictive hair covering to contain long hair.
- **Use eye protection.** Always wear ANSI approved impact safety glasses underneath a full face shield during use. Also, wear heavy duty work gloves.
- **Do not overreach.** Keep proper footing and balance at all times. Do not reach over or across running machines.
- **Maintain tools with care.** Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. The handles must be kept clean, dry, and free from oil and grease at all times.
- **Remove adjusting keys and wrenches.** Check that keys and adjusting wrenches are removed from the tool or machine work surface before starting work.
- **Stay alert.** Watch what you are doing, use common sense. Do not operate any tool when you are tired.
- **Check for damaged parts.** Before using any tool, any part that appears damaged should be carefully checked to determine that it will operate properly and perform its intended function. Any part that is damaged should be replaced.
- **Replacement parts and accessories.** When servicing, use only identical replacement parts. Use of any other parts will void the warranty. Only use accessories intended for use with this tool. Approved accessories are available from Cummins Industrial Tools.
- **Do not operate tools if under the influence of alcohol or drugs.** Read warning labels on prescriptions to determine if your judgment or reflexes are impaired while taking drugs. If there is any doubt, do not operate the tool.

**WARNING:** The warnings, cautions, and instructions discussed in this instruction manual can not cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which can not be built into this product, but must be supplied by the operator.

# OPERATING INSTRUCTIONS

## Specifications

■ Lifting Height	8"
■ Number of Chains	2
■ Chain Diameter	5/16"
■ Hook Opening	1-1/2"
■ Wheel Diameter	7"
■ Weight	40 lb

**NOTE:** All numbers in parenthesis are referenced to the diagram and parts list.

- The Chain Hoist is used for lifting heavy loads. **Do not exceed the capacity of the Chain Hoist.** Always make sure that the supporting device that the hoist is hanging on can support the weight of the load. If there is any question that the Chain Hoist or the hoist's support will not withstand the weight, do not use the Chain Hoist.
- If the HAND CHAIN becomes difficult to pull, do not try to force it. Immediately support and suspend the load. Check for tangled chain, broken parts on the block, or if the load exceeds the rated capacity of the Chain Hoist. **NEVER CHECK OR INSPECT THE HOIST WITHOUT FIRST SUPPORTING THE LOAD.**
- Before regular use, test the Chain Hoist using a load equivalent to the working load. Follow the instructions below for testing the Chain Hoist.

- **Step 1.** Hook the top HOOK (#38) of the Chain Hoist onto the hoisting support as in Fig. 1.
- **Step 2.** Hook the bottom HOOK (#38) onto the load to be lifted. If straps or chain are being used, verify that their rating exceeds the weight of the load. Make sure that the load is centered and that both Hooks are secured.

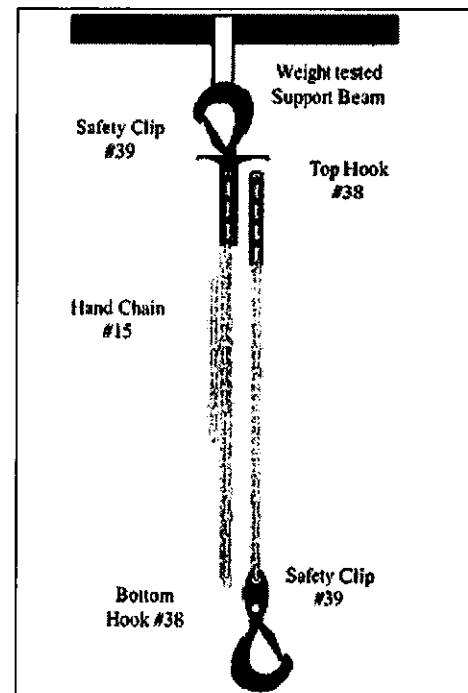


Figure 1- Setting up the Hoist

## OPERATING INSTRUCTIONS

- **Step 3.** Use the HAND CHAIN (#15) to raise the load so that it is barely lifted off the ground (see Fig. 2). Watch attentively the position of the load as the weight may shift.

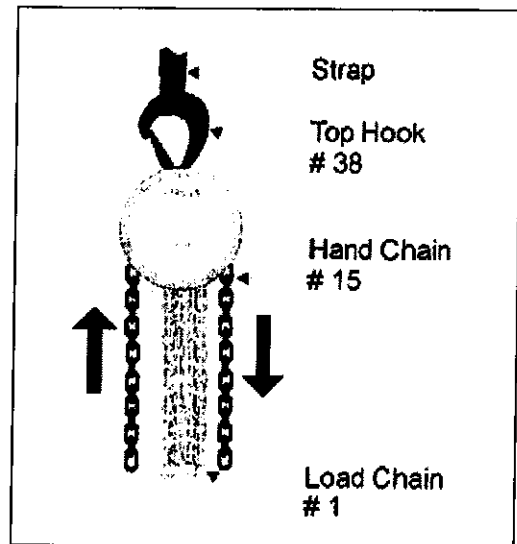


Figure 2- Raising the Load

- **Step 4.** Wait for the load to stop moving and then slowly raise the load to the desired height. Immediately support the load.
- **Step 5.** Use the HAND CHAIN to lower the load as shown in Fig. 3.

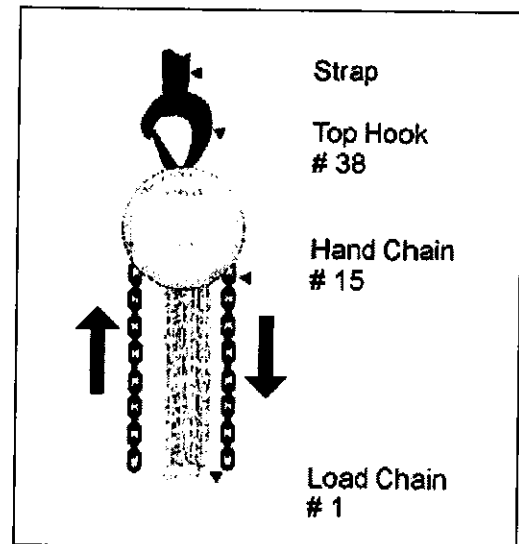
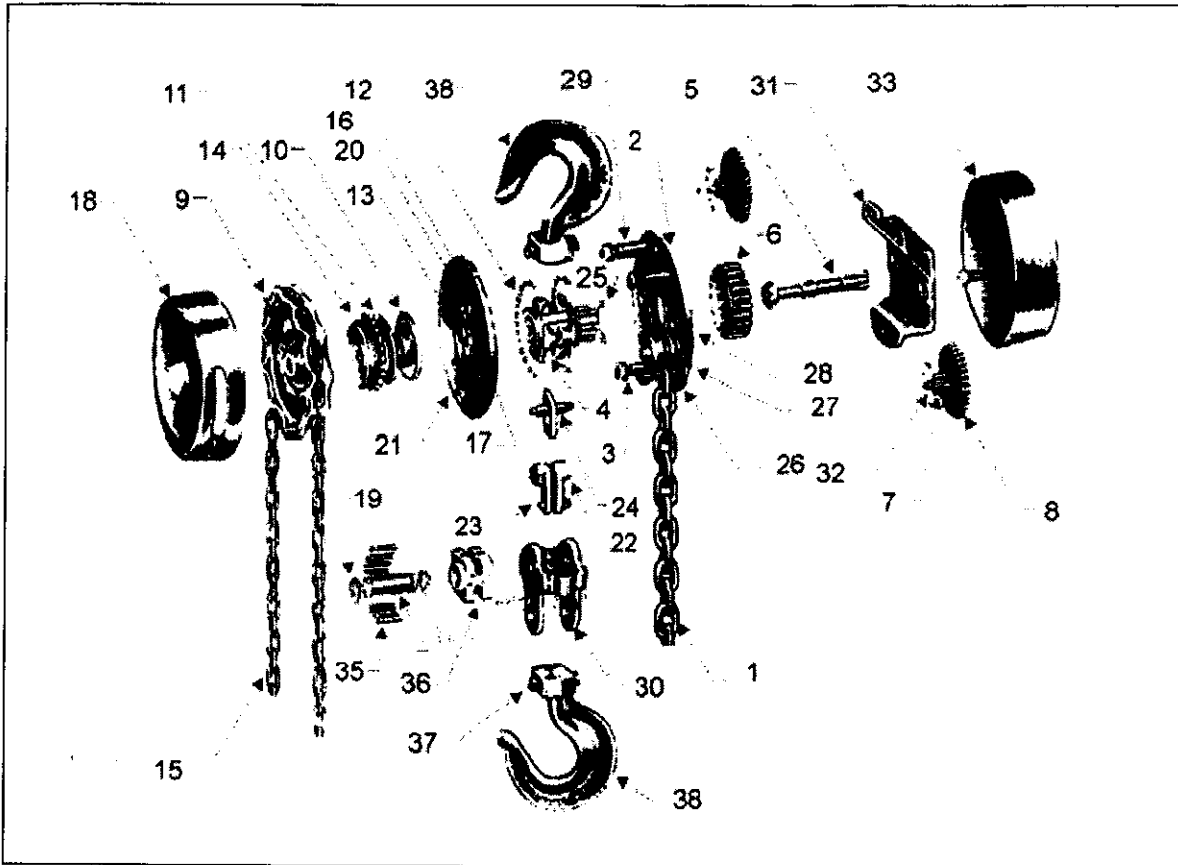


Figure 3- Lowering the Load

**WARNING:** Always stand clear of the load while lifting. Never work under the load while it is in the raised position. If any work must be done on the load, brace it before moving under it.

# EXPLODED DIAGRAM & PARTS LIST

## Exploded Diagram



# EXPLODED DIAGRAM & PARTS LIST

## Parts List

NO	Description	Qty
1	Load Chain	1
2	Right Side Plate	1
3	Lower Stay	1
4	Chain Sprocket	1
5	Driving Shaft	1
6	Spline Gear	1
7	Pinion Shaft	1
8	Disk Gear	1
9	Hand Wheel	1
10	Brake Seat	1
11	Friction Plate	1
12	Roller	1
13	Bearing Race	1
14	Ratchet Disk	1
15	Hand Chain	1
16	Pawl Spring	1
17	Pawl	1
18	Hand Wheel Cover	1
19	Snap Ring	1
20	Pawl Pin	1
21	Left Side Plate	1
22	Suspension Plate	1
23	Suspension Pin	1
24	Chain Latch	1
25	Snap Ring	1
26	Pin	1
27	Guide Roller	1
28	Bearing Race	1
29	Upper Stay	1
30	Hook Hanger	1
31	Bent Plate	1
32	Roller	1
33	Sheet Cover	1
34	Shaft	1
35	Needle	1
36	Idle Sheave	1
37	Hook Holder	1
38	Hook	2
39	Lifting Chain	1