



4 TON HAND PULLER CT0515



CE

ORIGINAL INSTRUCTIONS



SAVE THESE INSTRUCTIONS AND PRECAUTIONS.
READ ALL PRECAUTIONS AND INSTRUCTIONS BEFORE USE.

EC DECLARATION OF CONFORMITY

We CANNON TOOLS LTD

20 Station road, Rowley Regis, West Midlands, B65 0JU.U.K.

Declare that the following machine complies with the appropriate basic safety and health requirements of the EC Directive based on its design and type, as brought into circulation by us.

In case of alteration of the machine, not agreed upon by us, this declaration will lose its validity.

Product description: 4 TON HAND PULLER

Model: CT0515

Applicable EC Directives:

EC Machinery Directive 2006/42/EC

Harmonized standards

EN 12100, EN 13157

20 Station Road, Rowley Regis, West Midlands, B65 0JU.U.K.

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Managing Director

CANNON TOOLS LTD



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IMPORTANT SAFETY INFORMATION

1. **Do not pull more than rated load. Be aware of dynamic loading!** Sudden load movement may briefly create excess load causing product failure.
2. **Do not operate while puller restricted from forming a straight line with loading direction.**
3. **Do not operate puller with twisted, kinked, or damaged wire rope.** Inspect wire rope carefully before every use.
4. **Do not operate a damaged or malfunctioning puller.** Inspect puller carefully and test operation before every use.
5. **Do not use for vertical lifting. Do not lift people or lift loads over people.** Falling loads can injure or kill people.
6. **Do not operate puller with a lever extension.**
7. **Do not operate with rope not centered in its groove.**
8. **Do not remove or cover warning labels and/ or tags.** These carry important safety information.
9. Wear ANSI-approved safety goggles, ANSI-approved hard hat, suitable protective gloves and steel-toed work boots during setup and use.
10. This product is not a toy. Do not allow children to play with or near this item.
11. Use as intended only.
 - Do not use to handle molten material.
 - Do not use for aircraft purposes.
 - Do not use to link towed vehicles.
12. Keep hands clear of moving parts.
13. Do not use pipes or other devices to increase the force of the lever. This will cause a failure.
14. Please use an adequate sling, eye bolt or other accessory attached to the load to be pulled. Make sure that there is positive engagement of the puller hook to the load.
15. The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

OPERATION INSTRUCTIONS

Before Operating Puller

1. Familiarize yourself with all operating controls of the puller and with the operation(s) to be performed. Instructions include, the warnings on the puller, and the safety and operating instructions portion of this manual.
2. **TO PREVENT SERIOUS INJURY FROM PULLER FAILURE:**
Do not use damaged equipment. If adjustments or repairs are necessary, or

any defects are known, have the problem corrected before further use.

3. Do not operate a puller with an out-of-order sign.

4. Only a qualified technician should perform maintenance to the puller.

5. Do not use the wire rope as a ground for welding. Do not touch a welding electrode to the wire rope.

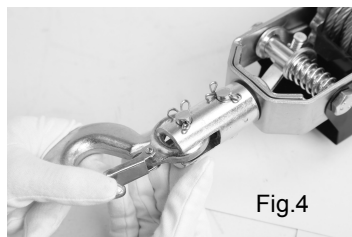
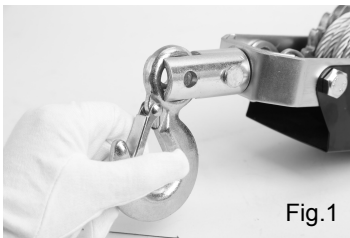
6. Designate a work area that is clean and well-lit. The work area must not allow access by children or pets to prevent distraction and injury.

7. There must not be objects, such as utility lines, nearby that will present a hazard while working.

8. Check operating mechanisms for proper operation, proper adjustment, and unusual sounds such as, but not limited to, binding noise of the wire rope and bearing squeal.

Operating

1. Installation the Anchor hook of the puller (see Fig.1-4)



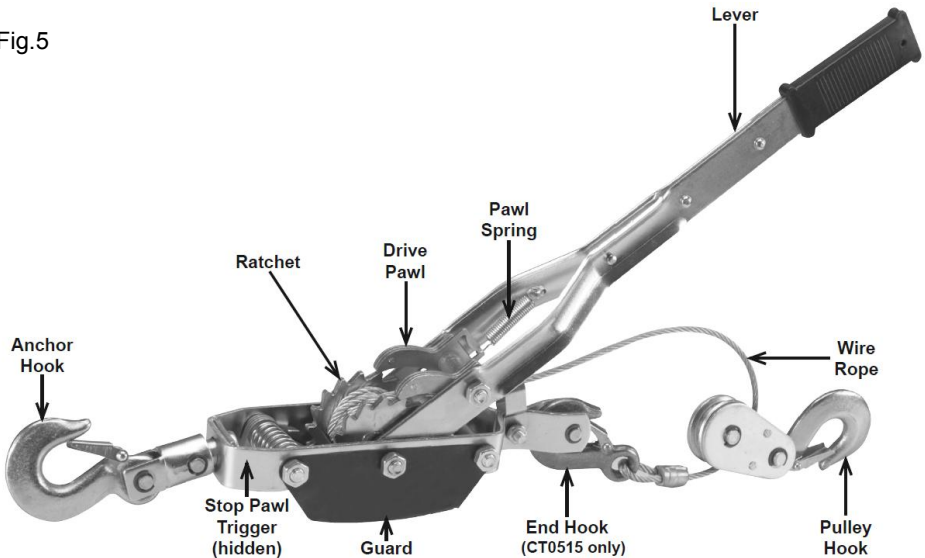
2. The CT0515 puller is designed for single or double line pulls.

a. A single line pull can reach twice as far and retract twice as fast, but it has half the weight capacity.

b. To do a single line pull, unhook the wire rope end hook and use it as the load hook. c. For double line pulls, attach the end hook to the puller's frame as shown in Fig 5, and use the pulley hook as the load hook.

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Fig.5



3. Swing the Handle away from the Anchor Hook to expose the Drive Pawl.

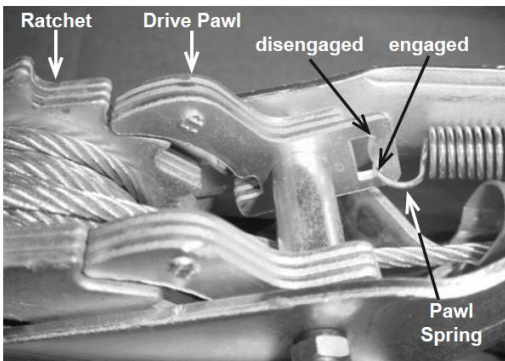


Fig.6 Drive Pawl Operation

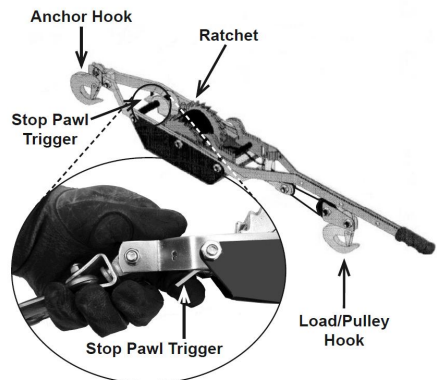


Fig.7 Releasing the Stop Pawl

4. Slide the Pawl Spring up to the disengaged position. The Drive Pawl will be held clear of the Ratchet.
5. Squeeze the Stop Pawl Trigger as shown above.
6. Pull the wire rope out to reach the load.
7. Release the Stop Pawl Trigger.
8. Do not wrap the puller wire rope around the load.
9. Attach the load to the load hook securely by properly rated, suitable means,

such as chains, shackles, hooks, lifting slings, etc. Load must be attached to prevent accidental disconnection.

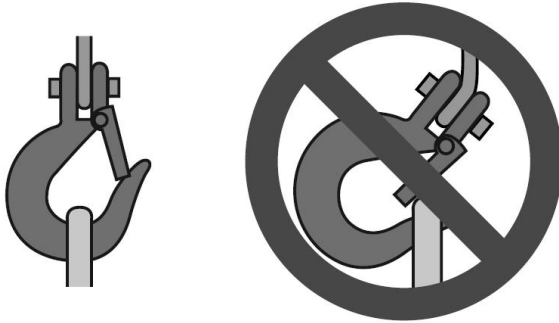


Fig. 8 Correct and incorrect hook attachment

10. Properly seat the sling or other device in the base (bowl or saddle) of the hook (see the left side diagram on Fig.8). Do not allow the hook hitch to support any part of the load.
11. Do not apply the load to the point of the hook (shown in Fig. 8 on the right side diagram).
12. Before moving the load, make sure wire rope is not kinked or twisted or that multiple part wire ropes are not twisted around each other.
13. Do not operate the puller unless wire rope is seated properly on the drum, pulleys, or sprockets.
14. Do not pick up a load in excess of the rated load appearing on the puller or load block, except during properly authorized tests. Do not use a puller overload limiting device to measure the maximum load to be pulled.
15. Give specific attention to load balancing and hitching or slinging to prevent load slipping.

Moving the Load

1. Slide the Pawl Spring down to the engaged position, as shown in Figure 6.
2. The Drive Pawl will be pressed against the Ratchet.
3. Do not engage in any activity which will divert the operator's attention while operating the puller. 3. Respond to signals from a designated person only. However, always obey a stop signal, no matter who gives it.
4. Do not move a load with the puller until the operator and all other personnel are clear of the load.
5. Make sure the load and puller will clear all obstacles before moving or rotating the load.
6. Do not move a load more than a few inches until it is well balanced in the sling or pulling device.
7. Each time a load approaching rated capacity is handled, check puller brake action by pulling the load just clear of supports and continuing only after verifying

that the brake system is operating properly.

8. **WARNING! Do not carry any load over any person.**

9. **WARNING! Do not carry personnel on the hook or the load.**

10. Pull the Handle toward the Anchor side of the Puller. This will pull the Load.

11. Swing the Handle back and forth until the load has been pulled to the desired position.

Parking the Load

1. Do not leave a supported load unattended unless specific precautions have been instituted and are in place.

2. Exercise care when removing a sling from under a landed and blocked load.

3. Secure the load so it will not move before releasing the tension on the wire rope.

4. To release the wire rope tension:

a. Swing the Handle away from the Anchor Hook to expose the Drive Pawl.

b. Slide the Pawl Spring up to the disengaged position. The Drive Pawl will be held clear of the Ratchet.

c. Swing the handle to the Anchor Hook side and force the spring loaded STOP PAWL pin down, then slowly raise the handle. This action will allow the wire rope drum to back off by one cam step.

d. Repeat this action, as needed, until the tension on the wire rope eases.

e. Pull on the STOP PAWL TRIGGER to release it from the cam and gently pull back on the tool to get wire rope slack and free it from the load.

5. To prevent entangling of the wire rope onto the drum, with the Load Hook still attached to the load, push the spring into its "Down" position. Hold the Anchor hook in one hand. While gently pulling against the load, swing the Handle back and forth to rewind the wire rope.

CAUTION! Do not rewind the wire rope to its end.

Maintenance

1. Repair or replacement of puller components must be performed only by a qualified technician using only identical replacement parts with the same rating.

2. Operating mechanisms, pawls, and brakes may require adjustment.

3. Note the following regarding specific components:

a. Replace damaged or worn hooks. Do not repair them by welding or reshaping.

b. Replace excessively worn braking components such as friction disks, ratchets, pawls, and pawl springs.

c. Replace or repair all critical parts, including load suspension components, that are cracked, broken, bent, excessively worn, or missing.

d. Replace bent, cracked, or otherwise damaged levers.

e. Replace missing or illegible warning labels.

4. Do not repair load-sustaining members by welding. Replace them as needed.

5. Lubricate all moving parts regularly using grease.

6. After maintenance work is completed and before restoring the puller to normal operation:
 - a. reinstall guards;
 - b. reactivate safety devices;
 - c. remove replaced parts and loose material;
 - d. remove maintenance equipment.
7. A puller that has been idle for a period of a month or more, but less than a year, must be inspected before being using.

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Made in China