



Operation Manual

Guillotine Cutter

RC-5



- **Technical Specifications**
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This is a detailed instruction guide specific to Champion Rescue Tools Guillotine Cutter – please see separate information provided for general hydraulic tool usage, warranty information, MSDS information, etc.

when every second counts
trust a CHAMPION

Introduction

Thank you for purchasing the RC-5 Guillotine Cutter – a tool designed for cutting in areas where significant power is used and patient safety is a major concern. For

General Operating and Safety Instructions please refer to the “General Operating Procedures” Booklet furnished with your tool.



Operating Pressure	5,000 or 10,500 psi
Weight	30.5 lbs
Length	27.5 inches
Width	6.3 inches
Height	6.8 inches
Blade Opening	4.5 inches
Max Cutting Force	248,000 lbs
Hydraulic Fluid Type	Specified by Customer

General Safety and Operating Instructions

1. Always turn the power unit to the “off” position and place the control valve in the “off” position for any service or clearing work. You should also “dump” the valve by pushing it all the way to one side and then the other – this releases any stored energy and eliminates tool creep.
 2. Familiarize yourself with the tool(s) and control valve, moving the control valve back and forth until familiar with the valve action and operation. NEVER put any part of your body between the moving parts of this or any other tool!
 3. Using a hydraulic tool is a one person operation with no exceptions.
 4. The Guillotine Cutter will cut a broad range of materials. Inspect the cutter blade after each use to make sure it is in good condition. Inspection of the blade before each use is a MUST! If blade is suspect in any way, pull the tool out of service immediately and replace the blade. Remember you are cutting with many thousands of pounds of force.
 5. The Hydraulic Cylinder on your new tool operates under extreme pressure and is a sealed unit. Under normal use, it does not require service. The factory sealed cylinder must NEVER be taken apart. Doing so will void your warranty and could potentially result in severe injury or even death.
 6. As long as the cylinder remains sealed and is not tampered with, any defect or malfunctions are covered by the Champion limited lifetime warranty (to the original purchaser). See the “Champion Rescue Tools Statement of Lifetime warranty” for additional information.
 7. The control valve must be kept clean. Blow off sand and dirt with an air hose. Use WD-40- on the valve spring. Valve does not need any maintenance.
 8. As with all Champion Rescue Tools, the operating speed can be slowed down or increased by moving the trigger accordingly. If the trigger is opened partial the movement will be slow; If the trigger is opened all the way movement will be faster.
- Always use proper safety gear and follow all safety instruction as outlined in this manual.

Using the RC-5 as a Guillotine Cutter and Crimper

Always use proper safety gear and follow all safety instructions as outlined in the manual.

1. Always inspect the tool prior to use.
2. Be sure to follow proper general procedures (as well as any department specific procedures) for performing vehicle extrication – otherwise severe injury or even death for the occupants or tool operator is possible.
3. Do a visual check before making a cut, as for every action there is often an equal reaction. Check twice and cut once.
4. Check blades, handle bolts and screws are in place and securely fastened.
5. Check fluid level in power unit reservoir.
6. Connect tool to power unit.
7. Start power unit, move the operating lever on the valve (on the power unit) to run (pressure) position.
8. Twist the trigger clockwise to extend and counter clockwise to retract. NOTE: if blade does not operate correctly, make sure quick disconnect couplers are connect properly. If problem persists, refer to the troubleshooting section of instruction manual.
9. Extend and retract blade several times to purge air from system. Blade should slide freely.
10. Before operating tools, review safety section of instruction manual.
11. Champion Rescue Tools strongly recommends that you familiarize yourself with the Champion Rescue Tools by making several cuts on commonly encountered materials before putting the tool into field service.
12. When cutting material, make sure the object being cut is anchored on both sides and the tool is held firmly.
13. Keep the blade(s) at a right angle to the material being cut and don not allow the blade to twist while cutting. Failure to do so may result in component damage, causing serious personal injury and/or damage to the property and/or equipment.
14. As with all Champion Rescue Tools, the operating speed can be slowed down or increased by moving the trigger as follows: If the trigger is opened partially the movement will be slowed; moving the trigger all the way over to the maximum position will increase the speed.
15. Front Handle: The Champion Rescue Tools cutter is equipped with a 360-degree movable front handle. To operate, loosen the thumb screw located on the side of handle. Slide the handle freely to the desired position and tighten firmly. Keep handle against the head-retaining ring at all times.
16. Crimping: Champion Rescue Tools crimping blade was designed as an emergency tool to effectively obstruct the flow of fluid or gas in ruptured lines. The crimping blade has a 98% closure minimum on most steel pipe with full closure occurring in most cases, but cannot be guaranteed due to varied materials, age and condition of pipe to be crimped.

Blade Changing Instructions

1. Extend blade approximately 2 – 2.5 inches or until cap head screws are exposed.
2. Turn off pump.
3. Move thumb control (valve) back and forth a few times to neutralize pressure.
4. Disconnect the cutter from power source.
5. Use Allen wrench to back out cap head screws completely and discard head screws.
6. Slide old blade out of track through the slot in the head of the tool (use mallet if necessary).
7. Slide new blade through slot in the head into the slot in the rod.
8. Seat blade completely into rod and align screw holes.
9. Insert new cap head screws into large holes in rod (countersunk side not the threaded side) CAUTION: start by hand the first few times.
10. With the Allen wrench, screw cap head screws through the blade and into the threaded part of the rod.
11. Tighten cap head screws until snug.
12. Be sure cap head screw heads are even or slightly below the surface of the rod.
13. Check the threaded side to insure that the cap head screws do not protrude past the surface of the rod.
14. Reconnect the cutter to the power source.
15. Turn power on.
16. Retract rod with the new blade attached to the rear position.
17. The cutter is now ready to use.

Maintenance Instructions

1. Inspect the tool head and the overall tool after every use for wear and damage. Never use a damaged tool.
2. Remove any debris from the tool or heads.
3. Keep the tool clean and dry. Wipe with a clean cloth if necessary. Use a mild detergent to clean the tool and dry thoroughly.
4. Lubricate the valve spring with a light lubricant, such as WD-40.
5. Ensure the handle is tight.
6. Inspect couplers to ensure that they operated correctly and are free of dirt and debris. Blow out with an air hose if needed.
7. Inspect hoses for cracks, cuts and bulges. DO NOT operate tools with damaged hoses.
8. Inspect cutting blade for wear or damage. DO NOT operate with damaged blades.
9. Keep tool free from rust and corrosion.
10. Replace handle if broken or damaged.
11. Replace Missing or damaged decals, if needed.

Support

Should you require either technical, service, training, or any other type of support, please contact our Corporate Offices at:



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