Per OSHA 1926.503 it is the machine owner's responsibility to ensure that all workers using this Ultra Cutter Pro are thoroughly trained in its' use and limitations.

Garlock provides this Operators’ Manual as a tool to help instruct the owner/worker in the proper use of this machine. Garlock expects the reseller and machine owner to make every effort to abide by OSHA 1926.503 and educate the worker in the proper use and limitations of this machine before putting it into service.

Keep this Manual with the Ultra Cutter Pro at all times. This will allow new users to read it before operating the Ultra Cutter Pro.

It is the Ultra Cutter Pro owner’s responsibility to ensure that all workers using this machine are thoroughly trained. Provide workers with this Operators’ Manual and make sure they understand its’ contents. Read it to them if necessary. Letting poorly trained workers use this machine can result in property or machine damage and/or serious injury or death to personnel.

WARNING! THIS MACHINE IS DESIGNED FOR USE ON FLAT, LEVEL ROOFS ONLY. ANY OTHER USE CAN CAUSE INJURY OR DEATH TO OPERATOR.
OPERATOR PREPARATION

Read Instructions

Reading the instructions completely is the first step to safe operation. An uninformed operator can subject themselves and others to serious injury or death.

Wear Proper Attire

Wear safety glasses and protective clothing if any cutting, scraping, or sweeping is being done in the work area during operation. Wear safety shoes. Hard hat must be worn by operator when work is being done overhead. When working with hot stuff, long sleeved cotton shirt buttoned at sleeves and collar must be worn (or other suitable protective clothing). Long pants without cuffs, and a face shield are also required when working with hot bitumen.

ROOF PREPARATION

Inspect Roof Deck

Before allowing equipment and personnel access to roof, make certain roof is strong enough to support the weight of the machine, operator and all personnel working near the machine. Clear the area of all potentially dangerous obstacles that could cause personal injury to the operator or others.

Keep unauthorized people away from construction area. WARNING! Check to see that all roof openings are guarded per OSHA regulations. Failing to do so may cause injury or death.

Maintain Warning Line System

Operation of Ultra Cutter Saw must be in compliance with Federal OSHA standards governing perimeters with respect to the use of power equipment. When operating parallel to roof edge, warning line system must be at least six feet from the edge. When operating perpendicular to edge, warning line must be ten feet from roof edge. For specific information on warning lines, the use of guard rails and motion-stopping-safety-systems, refer to section on OSHA law.

HOISTING MACHINE TO ROOF

Inspect the Hoist

Make certain hoist is in safe operating condition and operated by trained personnel. The hoist should be clear of ground objects, such as power lines; it should be secure and properly counter-balanced. Hoist should be inspected for frayed cables, bent frame members or faulty mechanical parts. Make sure everyone on the ground is completely clear of the hoisting area.

Connecting Ultra Cutter To Hoist

Attach Hoist Sling to the Lift Ring on Saw frame.

The machine weighs 260 lbs. Do not attach Hook to any other part of this machine. Use only hooks equipped with a spring loaded catch.
The Cutting Depth Control is located on the right side of dashboard. The **Depth Control** is used to adjust how deep the Blade cuts into the roof. Turning the **Depth Control** clockwise will make the Blade cut deeper into the roof. Turn the **Depth Control** counterclockwise and the Blade will cut less deeply into roof.

The Saw has 2 positions:
- Idle position is when the saw is raised up out of the Cut.
- Cutting position is when the Saw blade is lowered into the roof to the depth set by Depth Control.

**The Depth Control** raises and lowers the blade into the cut. To lower the blade into the cut, push down on the handle, pull up on the control lever until the shaft can slide through the hole in the control panel, and then still applying downward pressure on the handle, allow the handle to come up until Bearing on Depth Control contacts Dash Plate. To raise the blade simply push down on the handle until the groove in the shaft slides down into the groove in the control panel.
ENGINE CONTROLS

WARNING:
GASOLINE IS HIGHLY FLAMMABLE AND MUST BE HANDLED WITH CARE. DO NOT SMOKE OR ALLOW FLAMES OR SPARKS WHERE THE ENGINE IS REFUELED OR WHERE GASOLINE IS STORED.

ENGINE START-UP:

Read engine manufacturers operating and safety instructions.

Check the engine crankcase oil. Fill to manufacturers specifications.

Check fuel supply. Fill with fresh, clean gasoline (preferably unleaded).

With the Blade installed properly and set in the “DOWN” position, put the Depth Control in the idle position and make certain the it is set so the Blade is not in contact with the roof.

To Start Engine:

Pull choke knob to the left.

Turn the on-off switch to the “on” position.

Start engine by using Pull Rope on side of Breather Box.

Allow engine to warm up.
SAWING:

Position Saw where the cut is to be started. Make sure Blade Guard is in the “DOWN” position. Operate Depth Control to lower Blade into roof. Turn Depth Control slowly clockwise to lower Blade into roof. Adjust depth of cut deep enough to penetrate the top layers of the roofing felts but not more than half the thickness of insulation.

**WARNING** - Do not cut through metal deck or any other deck under roof. This may cause collapse of roof beneath operator, resulting in serious injury or death from fall.

Once saw has been lowered into cut, push it along a STRAIGHT PATH while keeping a pace that allows you to control the Saw and your footing. Cutting crooked path can damage Blade.

**WARNING**

To avoid flying stones and excessive blade wear; remove loose gravel before cutting.

When you reach the area where you need to stop cutting, push down on the Handle Bar until the Depth Control locks the Saw into the “out of cut” position.

**WARNING**

Stop forward motion of Saw whenever people are in front of you.

Move saw to the area where you want to start your next cut and repeat the process

**WARNING**

To avoid injury from trips or falls do not operate Saw while walking backwards!

Shut off Engine when done sawing or any time Saw is not attended by a trained operator.

**WARNING!**

NEVER OPERATE SAW WITH A BENT, BROKEN OR OTHERWISE DAMAGED BLADE. SUCH BLADES CAN CAUSE VIBRATION, LOOSEN OR FLY APART AND RESULT IN MACHINE DAMAGE OR OPERATOR INJURY!
**JOB SITE MAINTENANCE**

*Read and follow the Honda maintenance instructions.* Keep the cylinder head clean so that it can cool the engine properly. It is extremely important to keep the engine clean from dust by inspecting cylinder head fins and engine housing daily. Failure to properly clean the engine may result in overheating and engine failure.

**Tightening and Replacing Belts:**

Fig 1. Remove Bolt from front of Upper Belt Guard.

Fig 2. Remove Bolt from back of Upper Belt Guard.

Fig 3. Loosen all 4 bolts at base of Engine.

Fig 4. Loosen Bolt on back of frame to pull Engine back.

Fig 5. Tighten Bolt until belt can be deflected no more than 1/4” inch.

To complete Belt tightening procedure, tighten all 4 Bolts at base of Engine and replace Upper Belt Cover.

To replace Belt, perform steps outlined in Figs 1-3. Then proceed to Fig. 6

Fig 6. Loosen Bolt on back of frame and push Engine forward.
MACHINE SERVICE: Ultra Cutter Pro should be serviced and/or repaired by a qualified Service Center Technician only. Faulty or Incomplete repairs can lead to machine damage.

ENGINE LUBRICATION AND SERVICE

If service or repair of engine is needed, contact your local Honda Service Center. You will need the model, type and code number of your engine (located on blower housing). Garlock Equipment Company warranty does not cover the engine. This is covered by a separate warranty from Honda.

Machine lubrication recommendations are as follows:

Pillow Bearings on the saw shaft assembly and axle are pre-lubricated, but require lubrication every 10 hours of operation. Lubricant must be a high-quality multipurpose grease. Use extreme care when pumping grease into bearing not to push too hard. Destruction of bearing seal will otherwise result.

Threaded end of Depth Control should be maintained with spray lubricant periodically to keep it turning free.

Read Honda maintenance manual. Engine oil should be changed per Honda's recommendations. Keep the cylinder head clean so that it can cool the engine properly.

BLADE INSTALLATION:

WARNING! Incorrect blade installation can cause poor cutting and dangerous machine vibration. Install Blade as shown below and tighten the Nut. Be sure to remove any wrenches and lower Blade Guard before starting engine.

Set Saw in idle Position by pushing down on Handlebar until Depth Control engages.

Shut off Engine and remove spark plug wire from Spark Plug to prevent accidental starting.

Lift up the Blade Guard to expose the blade.

Insert a 1” open end wrench or crescent wrench on the flats on end of Saw Shaft opposite the Blade.

Use the Arbor Wrench (1.5 Hex closed end) to loosen the Arbor Nut holding the Blade and the (2) Blade Retaining Discs onto the Shaft.

Remove old Blade and Retaining Discs. Clean debris from the Shaft.

Install one Retaining Disc so the side with the relief is against the new Blade.

Install Blade so lower tooth is facing the front of the Saw.

Install second Retaining Disc so side with the relief is against the new Blade.

Tighten Arbor Nut securely so Blade will not slip on Shaft or work its way loose and come off.
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To replace any Warning Decals on your Ultra Cutter Pro, simply tear off the bottom half of this page and mail or fax to Garlock Equipment Company for FREE REPLACEMENTS.

Address: Garlock Equipment Co.
2601 Niagara Lane
Plymouth, MN 55447
Attention: Sales Dept.

Fax: 800-820-3268
This page intentionally left blank to allow user to remove back page (warranty) and send to factory.
GARLOCK TM

This card must be filled out completely and mailed within ten (10) days from date equipment is delivered or warranty is null and void.

EQUIPMENT PURCHASED  SERIAL NO.
DATE DELIVERED  NAME OF PURCHASER
ADDRESS  CITY  STATE  ZIP
PURCHASED FROM (DEALERS NAME)
ADDRESS  CITY  STATE

Was a copy of the owner’s manual and operating instructions included with the above equipment?  YES  NO
Will the owner of the equipment provide instruction and copies of the owner’s manual for all operators of the equipment?  YES  NO
Was the equipment specified above, received in good condition?  YES  NO
If there was some defect or damage to the equipment, please indicate the nature of the same

Please send product catalog □

SIGNATURE OF PURCHASER (If purchaser is a corporation, this card must be signed by corporate officer)

CUT ALONG DOTTED LINES AND MAIL TO GARLOCK EQUIPMENT CO., 2601 NIAGARA LANE, MINNEAPOLIS, MN 55447

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GARLOCK EQUIPMENT COMPANY
2601 Niagara Lane
Plymouth, Minnesota 55447

(A) EXPRESS WARRANTY: Manufacturer warrants each product to be free from defective material and workmanship for a period of 12 months from date of delivery to purchaser except that the materials and workmanship on electrical equipment and hydraulic equipment are warranted for a period of 120 days from date of shipment to the purchaser. This warranty does not cover the engine or tires which are covered by separate warranties of the respective manufacturers. This warranty does not apply to brushes, v-belts, cutting tools, cable or wire ropes, and impellers.
The manufacturer makes no other express warranties and no affirmation by manufacturer or its representatives by word or action shall constitute a warranty.

CONDITIONS: Since manufacturer is shipping equipment designed for specific purposes, any shop modifications made to said equipment by the owner, freight damage, collisions, overturn, dropping, water damage or damage to the machine or equipment after shipment by manufacturer voids the warranty. Warranty is further void if the equipment is subject to unusual, improper use or abuse or for purpose for which it was not intended.
The warranty is void if the machine or equipment is transferred to the possession of another by the original purchaser.
PARTS & SERVICE: During the warranty period as set forth in the express warranty parts found defective by the manufacturer’s inspection and covered by the warranty will be replaced free of charge. F.O.B. Plymouth, Minnesota. Should service such as erection, demonstration or repairing of the machine or equipment be requested beyond that covered by the warranty, such service will be rendered at a charge, plus transportation and expenses of the factory service representative.
The warranty card must be filled out and returned to the manufacturer at the time the product is put into service for the warranty to be valid. Warranty claims are limited to the machine or equipment sold by the manufacturer and under no conditions do they extend to work spoilage, contracts lost, or other costs that may accrue to the user or owner of the equipment and in no event shall the manufacturer be liable for any special or consequential damages.

Model
Serial No.
Date Purchased