

East Point Equipment Co., Inc.

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SINGLE BLADE ROOF CUTTER OPERATING INSTRUCTIONS

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IMPORTANT SAFETY & OPERATING INSTRUCTIONS

READ THE INSTRUCTIONS

You have purchased a quality piece of roofing equipment. This equipment must be used by knowledgeable professionals in the roofing industry. All persons operating this unit must have full knowledge of proper operating and equipment safety procedures. If you are not familiar with the hazards associated with the application and removal of built up roofing, do not attempt to use this product. If you are a knowledgeable roofing professional, continue by reading these Safety & Operation instructions. These instructions have been developed to ensure you will enjoy years of trouble-free operation. It is full of valuable information on how to operate and maintain your piece of equipment properly and safely. After reading all this information completely and understanding it entirely, continue with the operation. If you have any doubts about understanding any portion, **STOP, Do Not Continue**. Call East Point Equipment for further information. Safety should be your number one consideration! Knowing the rules means "SAFETY IS NO ACCIDENT."

ATENCION

Las instrucciones y etiquetas proporcionadas con esta maquina, escritas en ingles, se deben leer y entender completamente antes de usar por primera vez. Si no lee entede ingles, debe pedir que alguien le lee en español para que puede entender completamente los requerimientos de seguridad y opercion antes de que se utilice esta maquina.

WARRANTY

East Point Equipment Co., Inc. warrants that all goods will be free from defects in material and workmanship for a period of 90 days. Should any failure appear within 90 days from delivery date to the user, we should be notified that the goods have been stored, installed, maintained and operated in accordance with the manufacturer's recommendations, correct such defect by suitable repair or replacement. The warranties stated above are the sole warranties applicable to East Point Equipment Co., Inc. products.

East Point Equipment Co., Inc. shall not in any event be liable for any consequential damages, secondary charges, expenses for installing or disconnecting, or loss of time resulting from any alleged defect in the product.

Each product is designed for a specific purpose. Use this equipment only as intended and described in the safety and operating instructions, otherwise the warranty is void. Unauthorized changes or modifications will void the manufacturer's warranty. Changes or modifications may result in the creation of a new danger and/or the elimination of a feature which had some safety value.

East Point Equipment Co., Inc. may make changes and improvements at any time to its products, and East Point Equipment Co., Inc. shall be under no obligation to incorporate the same in or substitute the same for any products previously sold.

ENGINES

Read the instructions sent with each engine. Fill out the Warranty Sheet, if applicable, and place a copy in your file for future reference. If you have any questions or problems with your engine, contact your nearest Authorized Service Center or East Point Equipment Co., Inc. to help you. If the engine is

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sent to East Point Equipment Co., Inc., whether under warranty or not, you will be charged for the freight to and from Atlanta, Georgia, repairs (if not under warranty), plus a \$25.00 charge for handling.

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IMPORTANT SAFETY & OPERATING INSTRUCTIONS

Safety Precautions

1. Never operate a roof cutter that is damaged in any way. Look over the machine to make sure the guards, shields, and pins are in place and securely tightened. Look for bent frame members, cracks, broken welds and other damaged components. A qualified mechanic should repair or replace damaged components. As repairs are needed, use only original East Point Equipment Co., Inc. parts.



CAUTION: See Controls on page 5 for important instructions regarding the handles and engine. Operators MUST completely understand these instructions before operating on the roof.

2. Each operator must practice maneuvering the roof cutter on the ground until the operator feels comfortable with the machine.
3. **DO NOT** start or operate near roof's edge. Read and follow OSHA requirements (No 1926.500 & 1926.502 Fall Protection) for the proper type of fall protection needed for your job. Guard all roof openings.
4. Do not modify the machine. Do not operate a modified machine.
5. Do not allow other people to be near the machine or walk in front of the machine during operation (except Operator).
6. Operate the roof cutter moving forward only, never backward.
7. Operate on flat, level, built-up roofs only.
8. Keep away from electrical lines and extension cords.
9. Never tilt the machine during operation.
10. Do not operate this machine if you are under the influence of alcohol or drugs that could impair judgment ability.
11. Keep the equipment in good condition and wash regularly (including the engine).
12. The owner or operator must see that all warning decals are in place and legible. Write or call East Point Equipment Co., Inc. for replacement decals and instructions.

PERSONAL PROTECTIVE EQUIPMENT

1. Wear safety glasses or a face shield during operation. Also, wear a particle mask/respirator and proper eye protection.
2. Wear clothing that fits properly – not too tight, not too loose.
3. Wear a long-sleeved shirt buttoned at the cuffs.
4. Wear steel-toed safety boots and a hard hat.
5. Do not wear jewelry or headphones.

BLADE INSTALLATION



WARNING: Never operate the machine with a bent, broken or damaged blade. It could cause vibration and fly apart or cause damage or injury.

1. Disconnect the spark plug before installing the blade.
2. Blade assembly mounts on the threaded mandrel shaft and is held in place with a disc and a 1" left hand nut. The blade turns clockwise. The nut turns counter-clockwise to tighten it.

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3. Tighten the 1" hex nut securely so the blade will not come loose.

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MACHINE WEIGHTS

The Single Blade Roof Cutter w/11HP engine weighs 250 lbs.

PREPARING THE ROOF

1. Check for roof deterioration before allowing equipment and personnel access to the roof. Make certain roof is strong enough to support the weight.
2. Clear the work area of all potentially dangerous obstacles.
3. Read and follow OSHA No. 1926.500 and 1926.502 (dated August 9, 1994) Fall Protection Standard for the proper type of fall protection for your job. Guard all roof openings.

PREPARING THE HOIST

1. Be sure your hoist is in safe operating condition, to be operated by trained personnel.
2. Inspect the hoist daily (or crane) for bent members, or faulty mechanical parts. Check cable for frays, bends or damage and repair or replace as needed.
3. Always know the lifting capacity of the hoist. The hoist should be secure and maintain an adequate counterweight. Do not use people as the counterweight. See Machine Weights listed above for exact weights.
4. Watch out for power lines.
5. Make sure people are clear of the area before hoisting. Never hoist above people.
6. Never ride on a hoist or conveyor.
7. Know the standard hoisting signals and use them.
8. Secure all lines properly for the night.
9. Hoisting area needs to be clean, dry and clear of obstacles. Use good housekeeping.

HOISTING TO ROOF

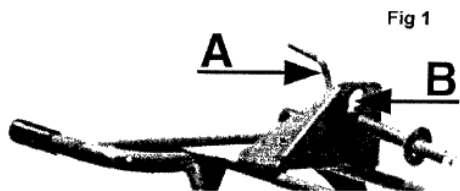
1. There is one lifting bar located in between the tube frame above the engine.
2. Do not hook cable to any other part of the machine as damage or injury could result.

CONTROLS

- a. Adjusting Rod (adjusts depth)
- b. Keyhole
 - a. The adjusting Rod (fig. 1) is located in the middle of the handle assembly. Tuning the Adjusting Rod clockwise adjusts the cutting depth lower; Counter-clockwise rotation of Adjusting Rod raises the cutting blade. The operator must be familiar with this process before using the roof cutter on the roof.
 - b. When the machine is in the idle position, the adjusting rod must be in the lower part of the keyhole (fig. 1). When the machine is in the cutting position, the adjusting rod must be in upper part of the keyhole.

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BEFORE STARTING ENGINE



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 gas is stored.

1. Look over the machine to make sure the guards, shields and pins are in place and securely tightened. Look for bent frame members, cracks, broken welds and other damaged components. A qualified mechanic should repair or replace damaged components. As repairs are needed, use only original East Point Equipment Co., Inc. parts.
2. Read engine manufacturers' safety instructions. Check engine oil. Add/change as recommended by manufacturer. Check fuel supply. Use fresh, clean unleaded gasoline. Do not use mixed gasoline or gasohol. Clean up any spills completely. **Never** add gas to engine while it is running. Shut off engine and allow cooling at least five minutes before refueling.
3. Check the belts for proper tension. There should be approximately 1/2" -3/4" deflection when pushing on belts. See "Changing and Adjusting Belts" below.
4. Place the Adjusting Rod (adjusts depth) in the idle position and make certain the control is set so the blade does not make contact with the roof deck. (Pushing down on the handles will allow the adjusting rod to slide to the idle position.)
5. **DO NOT** start or operate near roofs' edge unless using the proper fall protection for your job (OSHA Standard 1926.500 & 1926.502 Fall Protection). Guard all roof openings.
6. Start the engine and allow to warm up for five minutes.
7. After following above instructions, go to next section.

MACHINE OPERATION—ADJUSTING THE BLADE

1. To avoid flying stones and excessive wear to the blade, always sweep loose gravel and clear the roof before cutting. **NOTE:** If possible, lightly spray the area to be cut with water. This will help keep asphalt dust from building up inside the engine.
2. Position the roof cutter where work is to be done.
3. When you are ready to start cutting, push down on the handles with one hand and with the other, move the adjusting rod into the upper keyhole.
4. Turn the adjusting rod handle slowly clockwise to lower blade into the roof to desired depth.
5. Push the roof cutter forward only as fast as the blade will readily cut into the roof.
6. Never pull the roof cutter backwards to operate.
7. If you want to stop cutting, push down on the handles to lock the adjusting rod in the idle position, letting the blade rotate freely without cutting the roof. (Don't leave the roof cutter unattended while in this position.)
8. Take every precaution not to cut through any other deck under the roof covering.
9. The Roof Cutter is designed to cut only tar, imbedded gravel, felts, and insulation.
10. When the machine is left unattended, turnoff the engine, and chock the wheels if necessary.
11. Cut in a straight line and stop forward motion of the Roof Cutter when people are in front of you.

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CHANGING and ADJUSTING BELTS

1. Remove the belt cover
2. Loosen the four bolts going through the engine base and frame. These should be just loose enough to allow the engine to slide easily in the next step.
(Continued next page)

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CHANGING BELTS (continued)

3. To loosen the belts, locate the bolts and engine pull backs on back of engine and frame (item#18). Loosen the right hand bolt. On the left hand side, loosen the adjustment nut only a few turns. The engine can turn left as the right hand side is tightened and the nut is the only adjustment. Loosen only enough to remove and replace the belts. This will keep the engine close proper alignment and allow for easier adjustment with the new belts installed.
4. Remove the old belts and replace with new belts.
5. With the new belts in place, begin to adjust the belt pull backs. The pull back bolts also have a nut and washer on the inside of the frame bracket. Tighten the right pull back bolt slowly and adjust the nut on the left side pull back bolt to keep the engine and pulley in alignment with the belt. Be careful when tightening and make sure the engine is moving easily as you tighten the belts. You can break the engine case if it gets hung up and resists moving. Continue to adjust the belt tension until there is approximately one-half to three-quarters of an inch deflection of the belt when pushed down firmly between the two pulleys.
6. Once the belt tension is correct and alignment is verified, tighten the four engines bolts going through the engine base and frame. Be careful not to over tighten.
7. Install the belt cover

MAINTENANCE



WARNING: Disconnect spark plug wire before servicing the engine.

Lubrication recommendations are as follows:

1. Make certain all guards are in place and securely tightened before operating. Look for bent frame members, cracks, broken welds and other damaged components. Repair any damages. As repairs are needed, use only East Point Equipment Co., Inc. original parts.
2. Read engine instructions for engine maintenance. If the engine needs service or repair, contact an Authorized Engine Service Center.
3. Change the engine oil daily. This application of the engine produces higher than average temperatures and dust tends to break down the oil more quickly. See Engine Owners Manual for recommended oil. Frequent oil changes will significantly prolong life of engine.
4. **NEVER** allow fine bitumen dust to accumulate on the engine flywheel and cylinder head, resulting in overheating of the engine. This will void the engine manufacturer's warranty.
5. Shut off engine and allow engine to cool before refueling. Never add gasoline to engine while it is running. Use fresh, clean unleaded gasoline to increase valve life. Do not use mixed gasoline or gasohol. Clean up any spills completely.
6. Grease bearings on front & rear wheels periodically as needed.
7. Pillow block bearings on the mandrel shaft assembly are pre-lubricated, but require lubrication every 10 hours of operation. Lubricant must be a high-quality, multi-purpose grease. Be

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extremely careful not to push grease too hard into the bearings or the bearing seal will be destroyed.

8. Maintain the threaded adjusting rod with lubricant periodically to keep it turning freely.
9. Adjust the belt tension so there is approximately $\frac{1}{2}$ " – $\frac{3}{4}$ " deflection of the belt when pushed down firmly between the two pulleys. See "Changing or Adjusting Belts" on pages 6-7.
10. Keep Roof Cutter as clean as possible by washing regularly (including the engine). This helps keep oil and asphalt from building up, so your machine runs cooler and lasts longer.
11. Check tires, belts, bearings and blades, and replace as needed.