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> Ironton Horizontal Electric Log Splitter User Manual

Ironton 5-Ton, 15 Amp, 120V Motor

Ironton Horizontal Electric Log Splitter User Manual

Model: 5-Ton, 15 Amp, 120V Motor

Brand: Ironton

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Ironton Horizontal Electric Log Splitter. Please read this manual thoroughly before operating the machine to ensure proper use and to prevent injury or damage.

Product Overview

The Ironton Horizontal Electric Log Splitter is designed to simplify the process of splitting firewood. It delivers a powerful 5-ton maximum splitting force, capable of processing logs up to 20.5 inches in length and 10 inches in diameter. Its 15 Amp, 120V, 1 3/4 HP electric motor ensures reliable performance. Key features include a built-in log cradle to minimize bending and 5 3/4-inch tires for improved portability.



Figure 1: Front view of the Ironton Horizontal Electric Log Splitter, showing the main body, motor, and splitting wedge.

2. SAFETY INFORMATION

Always prioritize safety when operating power equipment. Failure to follow safety instructions can result in serious injury or death.

General Safety Rules

- Read and understand all instructions before operating the log splitter.
- Wear appropriate personal protective equipment (PPE), including safety glasses, gloves, and sturdy footwear.
- Keep hands and feet clear of the splitting wedge and ram at all times.
- Ensure the work area is clear of bystanders, children, and pets.
- Operate the log splitter on a firm, level surface.
- Do not operate the machine in wet conditions or near flammable materials.
- Disconnect power before performing any maintenance or adjustments.
- Never attempt to split logs larger than the specified capacity (20.5 in. L x 10 in. dia.).

3. SETUP AND ASSEMBLY

The Ironton Horizontal Electric Log Splitter requires minimal assembly. Follow these steps to prepare your unit for operation.

1. **Unpacking:** Carefully remove all components from the packaging. Inspect for any shipping damage.
2. **Wheel Installation:** Attach the 5 3/4-inch tires to the axle as per the diagram. Ensure they are securely fastened for portability.
3. **Support Leg Attachment:** Securely attach the front support legs to the main frame.
4. **Hydraulic Fluid Check:** Verify the hydraulic fluid level. Refer to the maintenance section for proper fluid specifications and filling procedures.
5. **Electrical Connection:** Ensure the power cord is free from damage. Connect the 120V plug to a grounded electrical outlet.



Figure 2: Side view of the log splitter, highlighting the motor and wheels for transport.

4. OPERATING INSTRUCTIONS

Follow these steps for safe and effective log splitting.

1. **Log Placement:** Place the log firmly against the splitting wedge on the log cradle. Ensure the log is centered and stable.
2. **Two-Handed Operation:** This log splitter requires two-handed operation for safety. Simultaneously engage both control levers/buttons to activate the ram.
3. **Splitting:** The ram will extend, pushing the log into the wedge. The short 14-second cylinder cycle time allows for efficient splitting.
4. **Ram Retraction:** Release the controls to retract the ram.
5. **Clear Split Wood:** Once the log is split, remove the pieces from the log cradle. The built-in log cradle helps contain split wood, reducing the need for excessive bending.
6. **Overload Protection:** If the motor strains or stops, release the controls immediately. Do not force the machine. The log may be too large or have excessive knots.



Figure 3: A user demonstrating the operation of the log splitter, placing a log onto the cradle.

5. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your log splitter.

- **Cleanliness:** Keep the log splitter clean and free of debris, especially around the ram and wedge area.
- **Hydraulic Fluid:** Check the hydraulic fluid level before each use. Top up with recommended hydraulic oil if necessary. Refer to the product specifications for the correct type.
- **Electrical Cord:** Inspect the power cord for any cuts, fraying, or damage before each use. Do not use if damaged.
- **Moving Parts:** Periodically check all bolts and fasteners for tightness. Lubricate moving parts as recommended by the manufacturer.
- **Storage:** Store the log splitter in a dry, protected area when not in use.





Figure 4: Detail view of the electric motor, which should be kept clean and free of obstructions.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your log splitter.

Problem	Possible Cause	Solution
Motor does not start	No power, faulty switch, thermal overload tripped	Check power connection, ensure switch is engaged, allow motor to cool if overloaded.
Ram does not extend or extends slowly	Low hydraulic fluid, air in hydraulic system, log too large	Check and add hydraulic fluid, bleed air from system (refer to full manual), reduce log size.
Log not splitting completely	Log too hard/knots, dull wedge	Rotate log, try smaller logs, sharpen or replace wedge if necessary.

7. SPECIFICATIONS

Model: Iron-ton Horizontal Electric Log Splitter

Splitting Force: 5 Tons

Motor: 15 Amp, 120V, 1 3/4 HP Electric

Max Log Length: 20 1/2 inches

Max Log Diameter: 10 inches

Cylinder Cycle Time: 14 seconds

Tire Size: 5 3/4 inches

8. WARRANTY AND SUPPORT

Your Ironton Log Splitter is backed by a manufacturer's warranty. For specific warranty details, please refer to the documentation included with your purchase or visit the official Ironton website.

Protection Plans

Extended protection plans are available for purchase to provide additional coverage beyond the standard warranty:

- **2-Year Protection Plan:** Provides coverage for 24 months.
- **3-Year Protection Plan:** Provides coverage for 36 months.
- **Complete Protect:** A monthly renewable plan covering eligible past and future purchases.

Customer Support

For technical assistance, parts, or service inquiries, please contact Northern Tool + Equipment, the authorized seller. They offer dedicated customer support and easy returns within 30 days. You can visit the [Ironton Store on Amazon](#) for more product information and support resources.

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