

[Manuals.plus](#) /

› [BILT HARD](#) /

› BILT HARD 6 Inch 420cc 15HP E-Start Gas Powered Drum Wood Chipper Instruction Manual

BILT HARD 6 Inch 420cc 15HP E-Start Gas Powered Drum Wood Chipper

BILT HARD 6 Inch 420cc 15HP E-Start Gas Powered Drum Wood Chipper

Instruction Manual

1. IMPORTANT SAFETY INFORMATION

Read and understand all safety warnings and instructions before operating this wood chipper. Failure to follow these instructions may result in serious injury or death.

- Always wear appropriate personal protective equipment (PPE), including eye protection, hearing protection, gloves, and sturdy footwear.
- Keep hands, feet, and clothing away from all moving parts, especially the feeding chute and discharge chute.
- Ensure the work area is clear of bystanders, children, and pets.
- Operate the chipper on a level, stable surface.
- Never operate the chipper indoors or in poorly ventilated areas due to carbon monoxide risk.
- Do not feed material larger than the specified maximum chipping diameter (6 inches).
- In case of emergency or malfunction, immediately activate the emergency stop bar.
- Handle fuel with extreme care. Store fuel in an approved container in a well-ventilated area, away from ignition sources.



There is an emergency stop press bar. These can be used to stop the machine at any time in case of an emergency.

Figure 1: Emergency Stop Bar. This red bar is designed for quick machine shutdown in emergencies.

2. SETUP AND ASSEMBLY

Proper assembly and setup are crucial for safe and efficient operation. Refer to the installation video for visual guidance.

2.1 Unpacking and Inspection

- Carefully remove all components from the packaging.
- Inspect for any shipping damage. Contact customer support immediately if damage is found.
- Ensure all parts listed in the packing list are present.

2.2 Tow Bar and Wheel Assembly

The chipper is equipped with a reversible 2-inch coupler hitch for easy towing and robust wheels for mobility.



**A 2-inch coupler is concealed on the trailer hitch,
compatible with a 2-inch trailer ball.**

Figure 2: Towing the Wood Chipper. The 2-inch coupler hitch allows for easy attachment to a lawn tractor or ATV.



**Equipped with two 16" Tubeless Wheels, providing enhanced stability
when being towed**

Figure 3: Tubeless Wheels. The chipper features two 16-inch tubeless wheels for enhanced stability during transport.

For detailed assembly instructions, please watch the official installation video:

Your browser does not support the video tag.

Video 1: Installation Guide for BILT HARD 6 Inch Gas Powered Drum Wood Chipper. This video provides a step-by-step visual guide for assembling the wood chipper.

3. OPERATING INSTRUCTIONS

This section details the steps for safely starting and operating your BILT HARD wood chipper.

3.1 Pre-Operation Checklist

- Check engine oil level and add if necessary.
- Fill the fuel tank with fresh, unleaded gasoline.
- Inspect blades for sharpness and damage.
- Ensure all guards and safety devices are in place and functioning correctly.
- Clear the area around the chipper of any obstructions.

3.2 Starting the Engine

The 15HP 420cc engine features an electric start for convenience.

1. Ensure the emergency stop bar is in the operating position.
2. Turn the fuel valve to the 'ON' position.
3. Set the choke lever to the 'CHOKE' position (for cold starts).
4. Turn the ignition switch to the 'ON' position.
5. Press the electric start button until the engine starts.
6. Once the engine starts, gradually move the choke lever to the 'RUN' position.

For a visual guide on starting, refer to the tutorial video:

Your browser does not support the video tag.

Video 2: Start-up Tutorial for BILT HARD 6 Inch Gas Drum Wood Chipper. This video demonstrates the correct procedure for starting the chipper's engine.

3.3 Chipping Material

The chipper can process branches up to 6 inches in diameter using its dual-blade and anvil system.



Figure 4: Maximum Chipping Diameter. The chipper is designed to handle branches up to 6 inches in diameter.

- Feed branches into the feeding chute one at a time, butt-end first.
- Allow the chipper to pull the material through. Do not force material into the chute.
- Avoid feeding material with excessive dirt, rocks, or metal, as this can damage the blades.
- The 360° rotatable discharge chute allows for precise debris control.



Figure 5: Chipping in Action. The machine efficiently processes branches into wood chips.

Your browser does not support the video tag.

Video 3: BILT HARD 6 Inch Gas Powered Drum Wood Chipper Overview. This video provides a general demonstration of the chipper's operation and features.

3.4 Shutting Down the Chipper

1. Allow the engine to idle for a few minutes to cool down.
2. Turn the ignition switch to the 'OFF' position.
3. Turn the fuel valve to the 'OFF' position.
4. Disconnect the spark plug wire to prevent accidental starting during maintenance or storage.

4. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your wood chipper.

4.1 Engine Maintenance

- **Oil Change:** Change engine oil after the first 5 hours of operation, then every 25 hours or annually. Refer to the engine manual for oil type and capacity.
- **Air Filter:** Clean or replace the air filter every 10 hours or more frequently in dusty conditions.
- **Spark Plug:** Inspect and clean the spark plug every 50 hours. Replace if worn.

4.2 Blade and Belt Maintenance

The chipper features a dual-blade and anvil system with double-edged CR alloy steel blades and 2 V-belts.

- **Blades:** Inspect blades for sharpness and damage before each use. Sharpen or replace dull/damaged blades as needed. Always use genuine replacement parts.
- **V-Belts:** Check belt tension and condition regularly. Replace worn or cracked belts to maintain optimal chipping performance.

4.3 General Maintenance

- Keep the chipper clean and free of debris.
- Lubricate moving parts as indicated in the engine manual.
- Store the chipper in a dry, protected area when not in use.

5. TROUBLESHOOTING

This section provides solutions to common operational issues.

Problem	Possible Cause	Solution
Engine does not start	No fuel or stale fuel Choke not set correctly Spark plug faulty Battery discharged (for electric start)	Fill with fresh fuel Adjust choke lever Clean or replace spark plug Recharge or replace battery
Poor chipping performance	Dull or damaged blades Loose or worn V-belts Engine RPM too low	Sharpen or replace blades Adjust tension or replace belts Ensure engine is at full throttle
Chipper jams frequently	Overfeeding material Feeding oversized material Wet or stringy material	Feed material slowly Ensure material is within 6-inch limit Allow material to dry; alternate with dry material

If you encounter issues not covered here, please contact BILT HARD customer support.

6. SPECIFICATIONS

Key technical specifications for the BILT HARD 6 Inch Gas Powered Drum Wood Chipper.



Figure 6: Product Overview with Key Specifications.

- **Model:** 6 Inch 420cc 15HP E-Start Gas Powered Drum Wood Chipper
- **Engine:** Ducar 4-Cycle Gas Engine, 15HP, 420cc, Air-cooled OHV
- **Starting System:** Electric Start (12V 18Ah lead-acid battery included)
- **Chipping Capacity:** Up to 6 inches (diameter)
- **Cutting System:** Dual-blade and anvil system, double-edged CR alloy steel blades, steel roller
- **Mobility:** 4-Wheels, Towable with reversible 2-inch coupler hitch
- **Wheels:** 16-inch Tubeless Wheels
- **Discharge Chute:** 360° Rotatable with adjustable deflector
- **Safety Features:** Emergency Stop Bar
- **Item Weight:** Approximately 626 pounds
- **Package Dimensions:** 50 x 45 x 31 inches
- **Wheelbase:** 40.55 inches

7. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation included with your product or visit the official BILT HARD website. The product typically includes a 30-day easy return policy.

For customer support, technical assistance, or to order replacement parts, please contact BILT HARD directly through their official channels. Contact information can usually be found on the product packaging or the manufacturer's website.