

BLACK+DECKER BECS2040-QS

BLACK+DECKER BECS2040-QS Chainsaw User Manual

Model: BECS2040-QS

1. IMPORTANT SAFETY INFORMATION

Always read and understand all safety warnings and instructions before operating this chainsaw. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

- **Personal Protective Equipment (PPE):** Always wear appropriate PPE including safety glasses, hearing protection, gloves, and sturdy footwear.
- **Work Area Safety:** Keep the work area clean and well-lit. Do not operate the chainsaw in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- **Electrical Safety:** This is a corded electric chainsaw. Ensure the power cord is in good condition and avoid cutting near electrical lines. Disconnect from power before performing any adjustments or maintenance.
- **Chain Brake:** The BLACK+DECKER BECS2040-QS chainsaw is equipped with a chain brake that automatically cuts the power supply when activated or blocked, enhancing user safety. Regularly check its functionality.
- **Kickback Prevention:** Be aware of kickback, which can occur when the moving chain contacts an object at the upper quadrant of the guide bar's nose. Always maintain a firm grip with both hands.

2. PRODUCT OVERVIEW

The BLACK+DECKER BECS2040-QS is a powerful 2000W electric chainsaw designed for demanding cutting tasks. It features a 40 cm (16 inch) guide bar and a low-recoil chain for efficient and precise cuts in both wet and dry wood.

Key features include a tool-free chain tensioning system and an automatic lubrication system for reduced wear and increased cutting efficiency.



Figure 2.1: Front view of the BLACK+DECKER BECS2040-QS Chainsaw, highlighting its compact design and guide bar.



Figure 2.2: Side view of the chainsaw, showing the main handle and motor housing.



Figure 2.3: Top view of the chainsaw, illustrating the chain and guide bar assembly.

3. SETUP

3.1 Unpacking and Initial Inspection

Carefully remove all components from the packaging. Inspect the chainsaw for any signs of damage during transit. Ensure all parts listed in the packing list are present.

3.2 Filling the Chain Oil Reservoir

The chainsaw features an automatic lubrication system. Before first use and periodically during operation, ensure

the oil reservoir is filled with appropriate chain lubricant. Use only high-quality bar and chain oil.

1. Place the chainsaw on a flat, stable surface.
2. Locate the oil filler cap, typically on the top or side of the motor housing.
3. Unscrew the cap and carefully pour chain oil into the reservoir until it reaches the 'MAX' indicator. Do not overfill.
4. Securely replace the oil filler cap.



Figure 3.1: Illustrates the process of filling the chain oil reservoir. Proper lubrication is crucial for chain and bar longevity.

3.3 Adjusting Chain Tension

The BECS2040-QS features a tool-free chain tensioning system for easy adjustment. Correct chain tension is vital for safe and efficient operation.

1. Ensure the chainsaw is unplugged from the power source.
2. Locate the tensioning knob or ring on the side of the chainsaw.
3. Loosen the bar clamping knob (if present) slightly.
4. Turn the tensioning knob clockwise to tighten the chain or counter-clockwise to loosen it. The chain should be snug against the guide bar, but still able to be pulled freely by hand. There should be no sag on the underside of the bar.
5. Once tension is correct, tighten the bar clamping knob securely.



Figure 3.2: Close-up of the tool-free chain tensioning knob, allowing for quick and easy adjustments without additional tools.

4. OPERATING INSTRUCTIONS

4.1 Starting the Chainsaw

1. Ensure the chain brake is disengaged (pushed back towards the front handle).
2. Plug the chainsaw into a suitable power outlet.
3. Grip the front handle with your left hand and the rear handle with your right hand.
4. Press the safety lock-off button (if present) and then squeeze the trigger switch to start the motor.
5. Allow the chain to reach full speed before beginning a cut.

4.2 Cutting Techniques

Always use proper cutting techniques to ensure safety and efficiency. Plan your cuts before starting.

- **Felling:** For felling small trees, ensure a clear escape path. Make a notch cut on the side of the desired fall, then a felling cut from the opposite side.
- **Limbing:** Remove branches from a felled tree. Work from the base of the tree towards the top, cutting smaller branches first. Be aware of branches under tension.
- **Bucking:** Cutting a felled tree into logs. Support the log to prevent pinching the chain. Cut from the top down (overbucking) or bottom up (underbucking) depending on the log's support.



Figure 4.1: The BLACK+DECKER chainsaw in action, demonstrating its capability to cut through logs. Always ensure the log is stable before cutting.



Figure 4.2: A close-up of the chainsaw's guide bar and chain making a precise cut into wood, showcasing the low-recoil chain's effectiveness.

5. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your chainsaw. Always unplug the chainsaw before performing any maintenance.

5.1 Chain Sharpening

A sharp chain is essential for efficient and safe cutting. Sharpen the chain regularly or replace it when dull. Refer to the chain manufacturer's recommendations for the correct file size and sharpening angles.

5.2 Guide Bar Maintenance

Clean the guide bar groove regularly to remove sawdust and debris. Flip the guide bar periodically to ensure even wear, extending its lifespan.

5.3 Cleaning the Chainsaw

After each use, clean the chainsaw thoroughly. Remove sawdust, wood chips, and oil residue from the motor housing, chain, and guide bar. Use a brush or compressed air. Do not use water to clean electrical components.

5.4 Checking Oil Level

Periodically check the oil level in the reservoir during operation. Refill as needed to ensure continuous automatic lubrication of the chain and bar.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Chainsaw does not start	No power supply; Chain brake engaged; Faulty switch.	Check power connection; Disengage chain brake; Contact service center.
Chain does not move	Chain brake engaged; Chain too tight; Obstruction.	Disengage chain brake; Adjust chain tension; Clear obstruction.
Poor cutting performance	Dull chain; Incorrect chain tension; Insufficient oil.	Sharpen or replace chain; Adjust chain tension; Fill oil reservoir.
Excessive vibration	Loose chain; Damaged chain or bar; Loose components.	Adjust chain tension; Inspect and replace damaged parts; Tighten all fasteners.

If the problem persists after attempting these solutions, please contact BLACK+DECKER customer support or an authorized service center.

7. SPECIFICATIONS

Attribute	Value
Manufacturer	BLACK+DECKER
Part Number	BECS2040-QS
Item Weight	12.54 pounds (5.7 Kilograms)
Product Dimensions	0.79 x 0.79 x 0.79 inches
Item Model Number	BECS2040-QS
Power Source	Corded Electric
Wattage	2000 watts
Item Package Quantity	1
Batteries Required?	No
Included Components	Alone
Date First Available	April 19, 2024

8. WARRANTY AND SUPPORT

Specific warranty details for the BLACK+DECKER BECS2040-QS Chainsaw are typically provided with the product packaging or can be found on the official BLACK+DECKER website. Please retain your proof of purchase for warranty claims.

For technical support, service, or to inquire about replacement parts, please visit the official BLACK+DECKER support website or contact their customer service department. You can often find contact information on the product packaging or by visiting www.blackanddecker.com.