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› [BLACK+DECKER](#) /

› BLACK+DECKER GK1940T Electric Chainsaw User Manual - 1900W, 40cm Bar

BLACK+DECKER GK1940T

BLACK+DECKER GK1940T Electric Chainsaw User Manual

Model: GK1940T | 1900W | 40cm Bar Length

INTRODUCTION

This manual provides essential instructions for the safe and effective operation, maintenance, and troubleshooting of your BLACK+DECKER GK1940T Electric Chainsaw. Please read this manual thoroughly before using the chainsaw to ensure proper handling and to prevent injury or damage.



Figure 1: The BLACK+DECKER GK1940T Electric Chainsaw, featuring a 40cm bar and 1900W motor.

SAFETY INFORMATION

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

- **Personal Protective Equipment (PPE):** Always wear safety glasses, hearing protection, gloves, and sturdy footwear. Consider a safety helmet and leg protection.
- **Work Area:** Ensure the work area is clear of obstructions, well-lit, and free from bystanders, especially children and pets.
- **Electrical Safety:** Use only approved extension cords suitable for outdoor use and the chainsaw's power rating. Avoid operating in wet conditions.
- **Secure Grip:** Always hold the chainsaw firmly with both hands.
- **Kickback Prevention:** Be aware of kickback risks. Avoid cutting with the tip of the guide bar.
- **Chain Brake:** Familiarize yourself with the chain brake mechanism and ensure it is functioning correctly. The GK1940T features a chain brake that stops the chain in less than 0.15 seconds.
- **Maintenance:** Regularly inspect the chainsaw for damage, loose parts, or wear. Do not operate a damaged chainsaw.

SETUP AND ASSEMBLY

1. Attaching the Guide Bar and Chain

The BLACK+DECKER GK1940T features a tool-free chain tensioning system for easy assembly and adjustment.

1. Ensure the chainsaw is unplugged from the power source.
2. Remove the chain cover by loosening the tensioning knob.
3. Carefully place the chain around the sprocket and guide bar, ensuring the cutting edges face the correct direction.
4. Position the guide bar onto the mounting studs.
5. Replace the chain cover and hand-tighten the tensioning knob.
6. Adjust the chain tension as described in the "Chain Tension Adjustment" section.



Figure 2: Adjusting the tool-free chain tensioning knob for proper chain setup.

2. Filling the Oil Reservoir

The chainsaw features an automatic chain lubrication system. It is crucial to keep the oil reservoir filled with appropriate chain oil.

1. Ensure the chainsaw is unplugged and placed on a stable, level surface.
2. Unscrew the oil cap located on the side of the chainsaw.
3. Fill the reservoir with high-quality chain and bar oil. Do not use waste oil or motor oil.
4. Monitor the oil level indicator to avoid overfilling.
5. Securely replace the oil cap.



Figure 3: The oil reservoir with a clear indicator for monitoring oil levels.



Figure 4: Location of the oil cap for refilling the chain lubrication system.

OPERATING INSTRUCTIONS

1. Starting the Chainsaw

Before starting, ensure the chain brake is disengaged and the power cord is securely connected to a suitable outdoor extension cord.

1. Hold the chainsaw firmly with both hands, one on the front handle and one on the rear handle.
2. Press the safety lock-off button (if present) and then squeeze the trigger switch to start the motor.
3. Allow the chain to reach full speed before making contact with the material to be cut.



Figure 5: Proper hand placement and engagement of the safety switch for starting the chainsaw.

2. Cutting Techniques

Always maintain a stable stance and keep the chainsaw balanced during operation.

- **Felling Small Trees:** Plan your escape route. Make a notch cut on the side of the tree in the direction of the fall, then make a felling cut from the opposite side.
- **Limbing:** Remove branches from a fallen tree. Work from the base towards the top, cutting smaller branches first. Be aware of branches under tension.
- **Bucking:** Cutting a fallen log into sections. Support the log to prevent pinching the guide bar. Cut from the top down or

bottom up depending on the log's support.

- **Avoid Kickback:** Never cut with the tip of the guide bar. Always use the bottom or top edge of the bar.



Figure 6: Demonstrating the chainsaw in use for cutting a tree branch.



Figure 7: The chainsaw effectively cutting through a log, demonstrating its power.



Figure 8: Detail of the chain and spiked bumper, which aids in stable cutting.

MAINTENANCE

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

1. Chain Tension Adjustment

Proper chain tension is vital for safe and efficient cutting. The chain should be snug against the guide bar but still able to be pulled around by hand.

- With the chainsaw unplugged, loosen the tool-free tensioning knob slightly.
- Turn the adjustment screw (usually integrated with the knob) to increase or decrease tension.
- Once tension is correct, re-tighten the tensioning knob firmly.

2. Chain Lubrication

The GK1940T features automatic chain lubrication. Regularly check the oil level indicator and refill as needed to ensure continuous lubrication during operation.

3. Cleaning

- After each use, unplug the chainsaw and allow it to cool.
- Remove sawdust, chips, and debris from the guide bar, chain, and motor housing using a brush or compressed air.
- Clean the air vents to prevent overheating.

4. Chain Sharpening

A sharp chain is essential for safe and efficient cutting. If the chain becomes dull, it should be sharpened or replaced. Refer to a qualified service technician or consult specific chain sharpening guides for your chain type.

TROUBLESHOOTING

Before attempting any repairs, ensure the chainsaw is unplugged.

Problem	Possible Cause	Solution
Chainsaw does not start.	No power supply; safety switch not engaged; faulty power cord.	Check power connection and outlet; ensure safety lock-off and trigger are pressed correctly; inspect power cord for damage.

Problem	Possible Cause	Solution
Chain does not move or moves slowly.	Chain brake engaged; incorrect chain tension; dull chain; debris in sprocket area.	Disengage chain brake; adjust chain tension; sharpen or replace chain; clean sprocket area.
Chainsaw smokes or overheats.	Dull chain; insufficient lubrication; blocked air vents; motor overload.	Sharpen or replace chain; check oil level and refill; clean air vents; reduce cutting load.
Oil is not reaching the chain.	Empty oil reservoir; clogged oil port; incorrect oil viscosity.	Refill oil reservoir; clean oil port; use recommended chain oil.

SPECIFICATIONS

Model Number	GK1940T
Power	1900 W
Voltage	230 Volt
Bar Length	40 cm
Chain Speed	(Not specified in data)
Chain Brake Stop Time	< 0.15 seconds
Lubrication System	Automatic
Weight	5.4 kg (11.9 lbs)
Sound Level	105 Decibel

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Question

Example: How do I reset this device or fix this error?

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