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Husqvarna 970613018

Husqvarna 445 Gas Chainsaw User Manual

Model: 445 (970613018)

INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and care of your Husqvarna 445 Gas Chainsaw. The Husqvarna 445 is a heavy-duty, all-around chainsaw designed for wood cutting and tree trimming, featuring a 50-cc 2.8-HP 2-Cycle X-Torq Engine and an 18-inch cutting bar. Please read this manual thoroughly before using the chainsaw to ensure proper handling and to maximize its lifespan.

IMPORTANT SAFETY INFORMATION

Always prioritize safety when operating the chainsaw. Wear appropriate personal protective equipment (PPE) including head protection, eye protection, hearing protection, gloves, and protective footwear. Ensure a clear work area and be aware of your surroundings. Never operate the chainsaw under the influence of alcohol or drugs.

WARNING: This product can expose you to chemicals including engine exhaust, which is known to the State of California to cause cancer, and carbon monoxide, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

COMPONENTS AND FEATURES

The Husqvarna 445 chainsaw is engineered with several features to enhance performance and user comfort:

- **18-inch Cutting Bar:** Recommended for use with bar lengths between 13 inches (min) and 20 inches (max).
- **50-cc, 2.8-HP X-Torq Engine:** Powerful and efficient engine designed to reduce emissions by up to 60% and increase fuel efficiency by up to 20%.
- **Smart Start:** Allows for quick and easy start-up with minimal effort.
- **Combined Choke/Stop Control:** Promotes easier starting and reduces the risk of engine flooding.
- **Air Injection Technology:** A centrifugal air cleaning system that expels larger dust and debris particles before they reach the air filter, improving engine life.
- **LowVib Technology:** Utilizes dampeners to reduce vibrations, lessening operator fatigue for more comfortable work.
- **Automatic Oiler:** Ensures consistent lubrication of the bar and chain during operation.
- **Side Chain Tensioning:** Allows for quick and easy adjustment of the chain.

- **Quick Refueling:** Features a flip-up fuel cap for easy access.

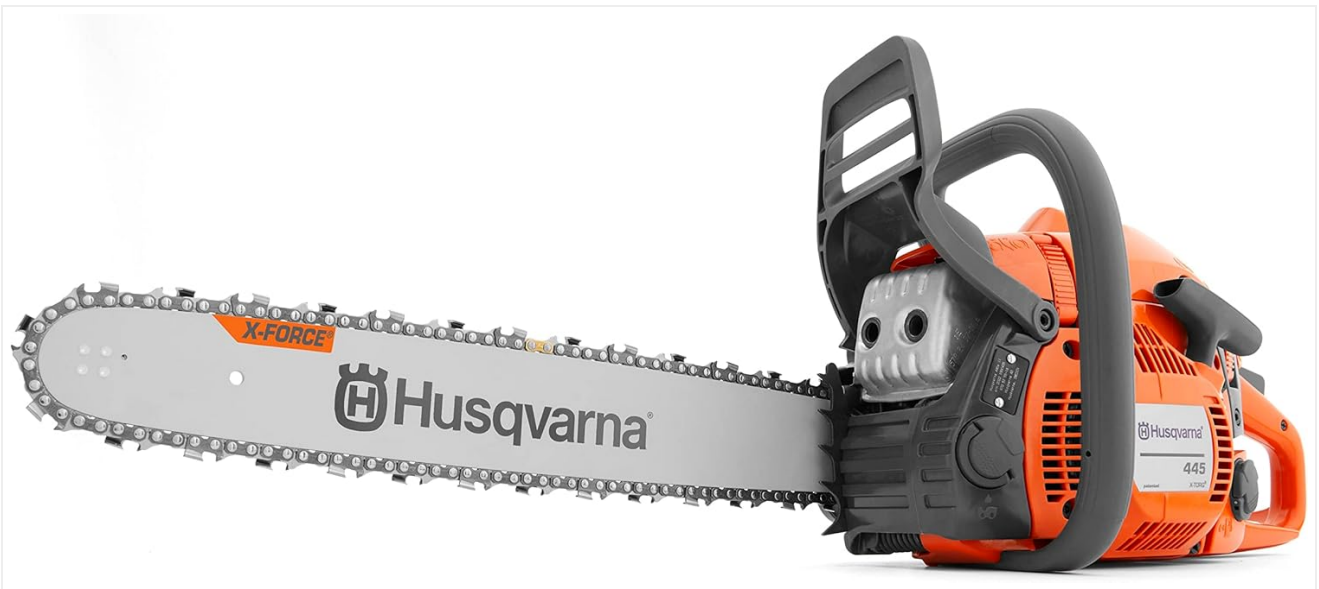
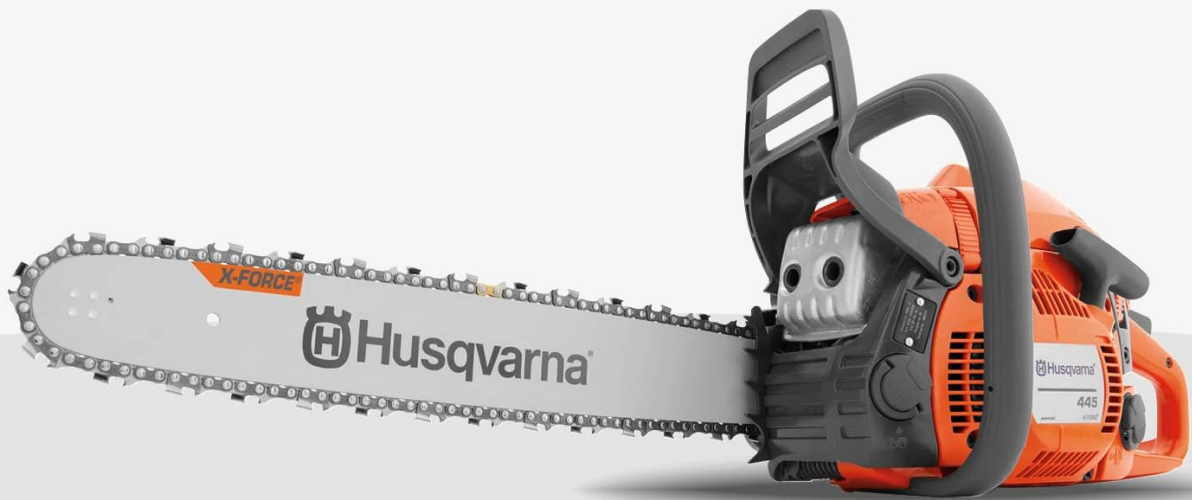


Figure 1: Husqvarna 445 Gas Chainsaw with 18-inch bar.



Figure 2: The 18-inch cutting bar and 50.2 cc engine.



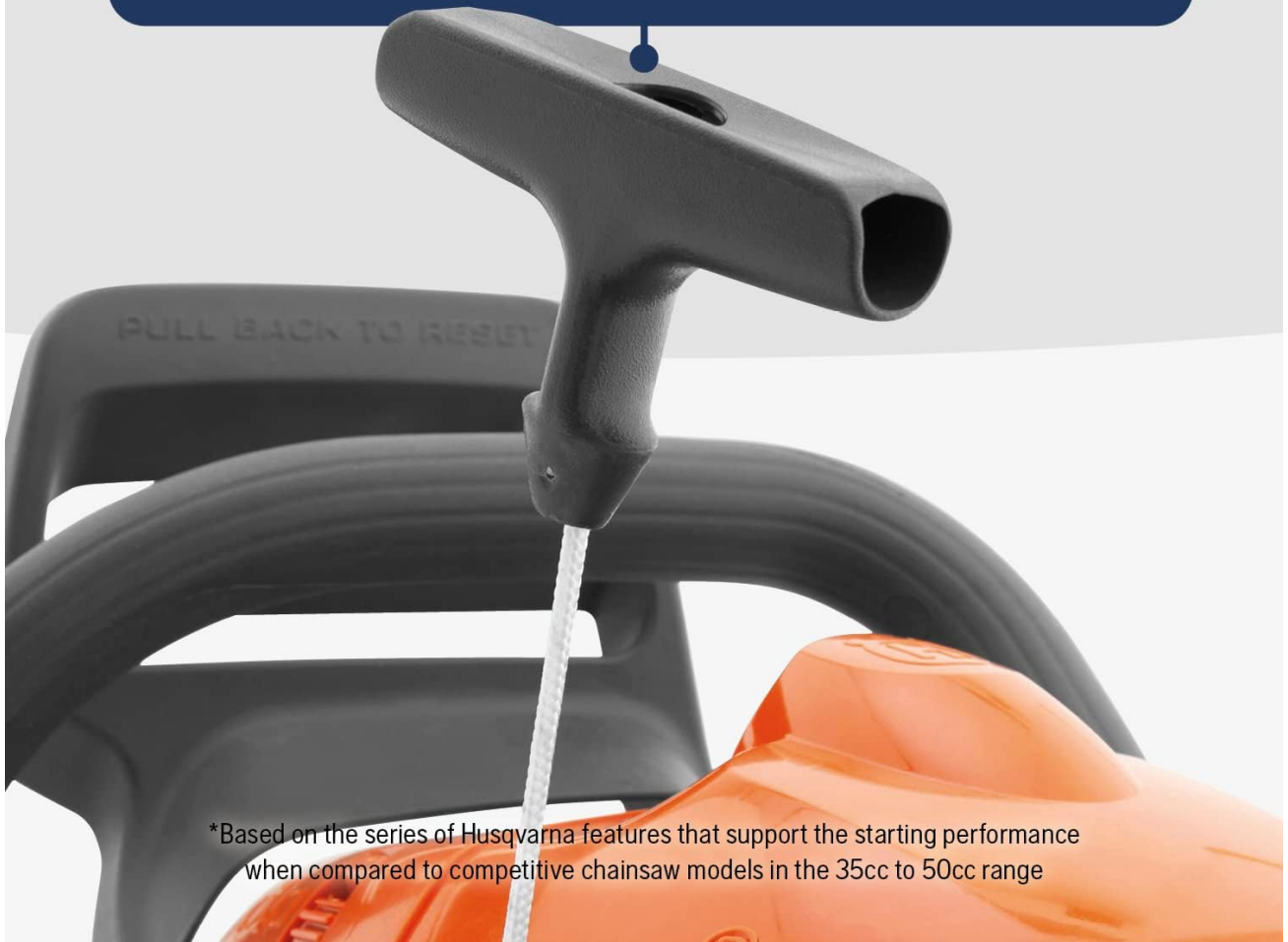
Powerful and Efficient X-TORQ[®] Engine

- Reduces emissions by up to 60%
- Increases fuel efficiency by up to 20%

Figure 3: Powerful and efficient X-TORQ engine.

Variety of easy starting features
for hassle-free starting

BEST-IN-CLASS STARTING PERFORMANCE*



*Based on the series of Husqvarna features that support the starting performance when compared to competitive chainsaw models in the 35cc to 50cc range

Figure 4: Variety of easy starting features for hassle-free starting.



Combined Choke/Stop Control

Provides easier starting and reduces
the risk of engine flooding

Figure 5: Combined Choke/Stop Control for easier starting.

Air Injection[®] Technology Expels dust and debris for prolonged engine life

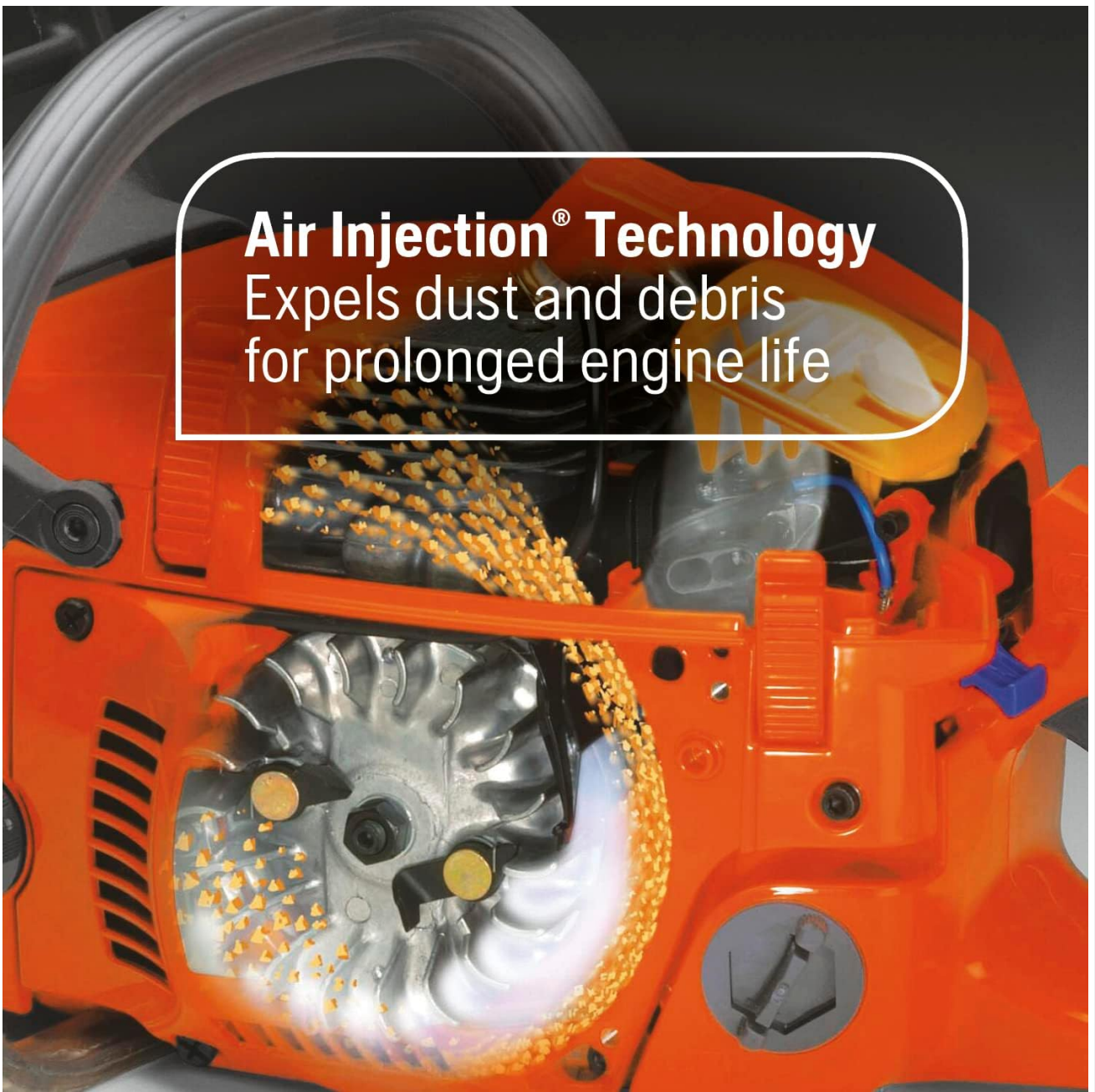


Figure 6: Air Injection Technology expels dust and debris for prolonged engine life.

LowVib[®] Technology

Reduces vibrations
for more comfortable
work.



Figure 7: LowVib Technology reduces vibrations for more comfortable work.



Side Chain Tensioning
Quickly and easily
adjust the chain.

Figure 8: Side Chain Tensioning for quick and easy chain adjustment.



Quick Refueling

Flip-up fuel cap for easy access

Figure 9: Flip-up fuel cap for quick refueling.

SETUP AND ASSEMBLY

Before first use, ensure all components are securely attached. This includes the guide bar and saw chain. Refer to the detailed assembly instructions provided in the separate assembly guide for your specific model. Fill the fuel tank with the correct fuel mixture (50:1 Husqvarna 2-stroke lubricant with gasoline) and the chain oil tank with appropriate chain lubricant. The chainsaw features an automatic oiler, but it is crucial to ensure the oil tank is filled before operation.

OPERATING INSTRUCTIONS

Starting the Chainsaw

1. Place the chainsaw on a firm, flat surface.
2. Engage the chain brake by pushing the front hand guard forward.
3. For a cold engine, pull out the choke control. For a warm engine, the choke may not be necessary.
4. Place your right foot through the rear handle and firmly press the chainsaw to the ground.
5. Pull the starter cord with your right hand until the engine fires (usually 1-3 pulls).
6. Once the engine fires, push the choke control in slightly (to half-choke position if applicable, or fully in for warm start).

7. Pull the starter cord again until the engine starts and runs.
8. Disengage the chain brake before beginning cutting operations.

Cutting Techniques

Always maintain a firm grip with both hands on the chainsaw handles. Stand in a balanced position. When cutting, let the saw do the work; do not force it. Be aware of kickback and always use the chain brake. For detailed cutting techniques for felling, limbing, and bucking, consult professional training or additional resources.

MAINTENANCE

Regular maintenance is crucial for the longevity and safe operation of your Husqvarna 445 Chainsaw.

- **Chain Tension:** Regularly check and adjust chain tension using the side chain tensioning mechanism. A properly tensioned chain should be snug against the guide bar but still allow you to pull it around by hand.
- **Chain Sharpening:** Keep the saw chain sharp for optimal performance and safety. Refer to the chain sharpening guidelines in your full owner's manual.
- **Air Filter Cleaning:** Thanks to the Air Injection system, the air filter requires less frequent cleaning. However, periodically inspect and clean the air filter to ensure proper engine function.
- **Spark Plug:** Inspect and clean or replace the spark plug as needed to ensure reliable ignition.
- **Fuel and Oil:** Always use fresh fuel mixed with Husqvarna 2-stroke lubricant at a 50:1 ratio. Use quality chain oil for the automatic oiler.
- **General Cleaning:** Keep the chainsaw clean from sawdust, debris, and oil residue.

TROUBLESHOOTING COMMON ISSUES

If you encounter issues with your chainsaw, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Engine does not start or is hard to start	Incorrect choke setting, old fuel, fouled spark plug, engine flooding.	Ensure correct choke usage. Use fresh fuel. Clean or replace spark plug. If flooded, clear excess fuel by pulling starter cord with choke off and throttle open.
Chainsaw cuts poorly or chain is dull	Dull chain, incorrect chain tension.	Sharpen or replace chain. Adjust chain tension.
No oil on chain	Empty oil tank, clogged oil passages.	Refill oil tank. Clean oil passages and guide bar groove.

For more complex issues, please consult a certified Husqvarna service technician.

TECHNICAL SPECIFICATIONS

Specification	Value
Brand	Husqvarna
Model Number	970613018

Specification	Value
Power Source	Gas Powered
Horsepower	2.8 HP
Engine Displacement	50-cc
Chain Length	18 Inches
Item Weight	11.2 Pounds
Product Dimensions	16"L x 8.9"W x 11.5"H
UPC	193028704446

WARRANTY AND SUPPORT

The Husqvarna 445 Gas Chainsaw comes with a standard **2-year warranty**. You can extend your warranty from 2 years to 5 years by purchasing 96 fluid ounces of Husqvarna pre-mixed fuel at the time of your product purchase. For further support, spare parts, or service, please visit the official [Husqvarna Store on Amazon](#) or contact Husqvarna customer service directly.