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› iBELL 2058CS 18-inch 58CC Petrol Chain Saw User Manual

IBELL 2058CS

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INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your iBELL 2058CS 18-inch 58CC Petrol Chain Saw. Please read all instructions thoroughly before assembly, operation, or maintenance to ensure personal safety and proper functioning of the equipment. Keep this manual for future reference.

PRODUCT OVERVIEW

Components Diagram



Figure 1: Key components of the iBELL 2058CS Petrol Chain Saw. Labels include Brake Pad, Kicker, Upper Cover of Carburetor, On/Off Switch, Engine Throttle, Trigger, Guide Bar, Saw Chain, Handle, and 2T Oil & Gasoline Mixing Tank.

Included Items



Figure 2: The iBELL 2058CS Petrol Chain Saw package includes the main unit, guide bar, saw chain, fuel mixing bottle, and a tool kit for assembly and maintenance.

The standard package for the iBELL 2058CS includes the main chainsaw unit, an 18-inch guide bar, a saw chain, a fuel mixing bottle, and a basic tool kit for initial assembly and routine adjustments.

SETUP

Unpacking and Assembly

Carefully remove all components from the packaging. Inspect for any damage. Follow these steps to assemble the guide bar and saw chain:

1. **Open the side cover:** Locate and open the side cover of the chainsaw to access the sprocket and guide bar mounting area.
2. **Install the inverted plate:** Position the inverted plate correctly onto the chainsaw body.

3. **Install the saw chain:** Carefully place the saw chain around the sprocket and guide bar, ensuring the cutting edges (knives) are facing the correct direction for cutting.
4. **Close the side cover and adjust chain tightness:** Reattach the side cover. Adjust the chain tension so that the chain is snug against the guide bar but can still be pulled freely by hand. The recommended tightness allows for approximately 0.4-0.6 inches of play when pulled from the center of the guide bar.
5. **Lock the side cover:** Securely fasten the side cover.
6. **Verify installation:** Ensure all parts are securely fastened and the chain moves smoothly.



Figure 3: Step-by-step visual instructions for guide bar and saw chain installation.

Fuel and Oil Mixture

The iBELL 2058CS is powered by a 2-stroke engine and requires a specific mixture of gasoline and 2T engine oil. Using an incorrect mixture can cause severe engine damage.

- **Mixing Ratio:** Mix gasoline with 2T engine oil at a ratio of **25:1** (25 parts gasoline to 1 part 2T oil).
- **Example:** For 1 liter of gasoline, add 40 ml of 2T engine oil.
- **Procedure:** Mix the fuel and oil in a separate, approved fuel container. Shake the mixture well before pouring it into the chainsaw's fuel tank. **Do not pour 2T oil directly into the fuel tank without pre-mixing with gasoline.**

HOW TO MIX 2T OIL WITH FUEL



**MIX FUEL WITH 2T OIL
IN A SEPARATE CONTAINER**



**DO NOT POUR OIL
DIRECTLY INTO FUEL TANK**

Figure 4: Proper mixing of 2T oil with fuel at a 25:1 ratio (40ml oil per 1 liter fuel).

OPERATING INSTRUCTIONS

Safety Precautions

Operating a chainsaw can be dangerous. Always prioritize safety to prevent serious injury.

- **Personal Protective Equipment (PPE):** Always wear a safety helmet, eye protection (goggles or face shield), hearing protection, heavy-duty gloves, safety boots, and appropriate chainsaw protective clothing.
- **Work Area:** Ensure the work area is clear of bystanders, pets, and obstacles. Maintain a stable footing and balance.
- **Pre-Operation Check:** Before each use, inspect the chainsaw for loose parts, damage, proper chain tension, and sufficient fuel and chain oil levels. Ensure the chain brake is functional.
- **Kickback Prevention:** Be aware of kickback risks. Avoid cutting with the tip of the guide bar. Always maintain a firm grip with both hands.
- **Fuel Handling:** Refuel in a well-ventilated area with the engine off and cool. Avoid spilling fuel.

Starting the Engine

The iBELL 2058CS features a large rope wheel for easier starting, reducing resistance.

1. **Place the chainsaw:** Position the chainsaw on a firm, flat surface. Ensure the chain brake is engaged.
2. **Choke:** For a cold engine, pull the choke lever out fully.
3. **Primer Bulb (if equipped):** Press the primer bulb several times until fuel is visible.
4. **Starting Handle:** Hold the front handle firmly with one hand and pull the starter cord with the other hand in a smooth, steady motion until the engine fires (usually a few pulls).
5. **Choke Adjustment:** Once the engine fires, push the choke lever halfway in (or fully in, depending on the model's specific starting sequence).
6. **Final Start:** Pull the starter cord again until the engine runs consistently.
7. **Warm-up:** Allow the engine to warm up for a few moments before engaging the throttle.

Cutting Techniques

Always maintain a balanced stance and firm grip. Engage the chain brake when moving between cuts or when the chainsaw is idling. Be mindful of the wood's tension and potential for kickback. The 20-inch bar is suitable for cutting diameters from 27 to 33 inches.



Figure 5: Demonstrating safe operation of the chainsaw with appropriate personal protective equipment.

Stopping the Engine

To stop the engine, release the throttle trigger and push the ON/OFF switch to the 'OFF' position.

MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your chainsaw.

- **Chain Sharpening and Tensioning:** Regularly check chain tension and adjust as needed. A dull chain increases effort and risk. Sharpen the chain according to manufacturer guidelines or have it professionally sharpened.
- **Cleaning:** After each use, clean sawdust and debris from the guide bar groove, sprocket area, air filter, and cooling fins.
- **Air Filter Maintenance:** Clean the air filter regularly. A clogged air filter can reduce engine performance and increase fuel consumption.
- **Spark Plug Inspection:** Periodically inspect the spark plug for wear and proper gap. Replace if necessary.

- **Automatic Chain Oiler:** Ensure the automatic chain oiler is functioning correctly to lubricate the chain and guide bar.
- **Storage:** When storing the chainsaw for extended periods, drain the fuel tank and run the engine until it stops to clear the carburetor. Clean the unit thoroughly and store it in a dry, secure location.

TROUBLESHOOTING

This section addresses common issues you might encounter with your iBELL 2058CS Petrol Chain Saw.

Problem	Possible Cause	Solution
Engine won't start	No fuel, incorrect fuel mixture, clogged fuel filter, fouled spark plug, incorrect choke setting, carburetor issues.	Check fuel level and mixture. Clean/replace fuel filter. Clean/replace spark plug. Adjust choke. If persistent, carburetor may need professional adjustment.
Engine starts but stalls	Incorrect idle speed, clogged air filter, fuel supply issues, carburetor adjustment.	Adjust idle screw. Clean air filter. Check fuel lines. Consult service for carburetor adjustment.
Chain not cutting efficiently	Dull chain, incorrect chain tension, worn guide bar.	Sharpen chain. Adjust chain tension. Inspect guide bar for wear and replace if necessary.
Excessive smoke from exhaust	Too much 2T oil in fuel mixture.	Ensure correct 25:1 fuel-to-oil ratio. Drain and refill with proper mixture if necessary.
Oil leak	Loose oil cap, damaged oil lines, faulty oil pump.	Check oil cap. Inspect oil lines for damage. Contact service if oil pump is suspected.

SPECIFICATIONS

Technical specifications for the iBELL 2058CS Petrol Chain Saw:

Feature	Detail
Brand	iBELL
Model Number	2058CS
Power Source	Fuel Powered (2-Stroke Engine)
Engine Displacement	58 CC
Horsepower	3.3 HP (2.5 KW)
Chain Length / Guide Bar	18 Inches
No-Load Speed	3000 ± 200 RPM

Feature	Detail
Maximum Speed	11500 RPM
Item Weight	6.9 Kilograms
Product Dimensions (L x W x H)	54.4L x 35.7W x 28.1H Centimeters
Fuel Consumption Reduction	Up to 20% (compared to standard models)

WARRANTY AND SUPPORT

Warranty Information

The iBELL 2058CS Petrol Chain Saw comes with a **6 Months Warranty** from the date of purchase. This warranty covers manufacturing or material defects as specified in the warranty card. Please note that the carburetor specifically has a 6-month warranty.

Important: Register your product online within one month (30 days) from the date of purchase to receive full warranty coverage. If the warranty card is missing, contact iBELL Customer Support within 10 days of purchase.

Customer Support

For any warranty-related issues, technical assistance, or product inquiries, please contact iBELL Customer Support:

- **Toll-Free Number:** 1800-1034-090
- **Direct Line:** +91-8589809292
- **Email:** icare@ibelltools.com

Manufacturer: STAR MACHINERY COMPANY LIMITED, NINGBO, PRC