

## STIGA BC 545 B

# STIGA BC 545 B Petrol Brushcutter Instruction Manual

Model: BC 545 B | Brand: STIGA

## 1. INTRODUCTION

### Product Overview

The STIGA BC 545 B is a powerful petrol brushcutter designed for demanding gardening tasks. It features a robust 42.7 cm<sup>3</sup> (1.25 kW) 2-stroke engine and a reinforced straight shaft for enhanced durability and reduced vibrations. With a cutting width of 45 cm, it ensures quick and efficient operation over large areas. The ergonomic bike-style handlebar provides a secure grip and improved control, making it suitable for prolonged use. The latest generation Tap&Go Pro dual line head allows for quick line release with a simple tap, while the included 3T metal blade easily handles tougher growth. The provided double transport harness ensures comfort and stability during operation. Additional features include integrated handlebar controls for safety and a protected 1-liter fuel tank. This brushcutter is ideal for both domestic and intensive use.



Figure 1.1: Overview of the STIGA BC 545 B Petrol Brushcutter.

## 2. SAFETY WARNINGS

**Attention:** When operating, flying debris and cuts may occur. Always wear appropriate personal protective equipment.

- Always wear safety glasses or a face shield to protect against flying debris.
- Wear heavy-duty gloves to protect hands.
- Wear long pants and sturdy footwear to protect legs and feet.
- Ensure no bystanders or pets are within the working area. Maintain a safe distance.
- Before starting, inspect the brushcutter for any loose parts, damage, or blockages.
- Do not operate the brushcutter in wet conditions or near flammable materials.
- Always turn off the engine and disconnect the spark plug before performing any maintenance, cleaning, or adjustments.
- Handle fuel with extreme care. Refuel in a well-ventilated area with the engine off and cool.
- Familiarize yourself with all controls and safety features before operation.

## 3. PRODUCT FEATURES

- **Powerful Engine:** 42.7 cm<sup>3</sup> 2-stroke petrol engine with 1.25 kW power for demanding cutting tasks.
- **Wide Cutting Width:** 45 cm for fast and efficient cutting of grass and brush.
- **Ergonomic Handlebar:** Bike-style handle ensures control, comfort, and safe handling during use.
- **Complete Kit:** Includes Tap&Go dual line head, 3T metal blade, and double transport harness for increased

versatility.

- **Reinforced Shaft:** The powerful straight shaft reduces vibrations and increases durability for tough tasks.

42,7 cm<sup>3</sup>

Zweitaktmotor  
(1,25 kW)

Griffstange wie  
beim Fahrrad  
Bedienelemente  
am Griff

Automatisches  
Nachladen  
des Schneidfadens

Robust und  
vibrationsarm

1,0 Liter  
Tank

Mit Doppel-  
Schultergurt  
für mehr Komfort

Mit Dreizahn-  
Metallmesser  
und Doppelfaden-  
Trimmerkopf

Figure 3.1: Key features of the STIGA BC 545 B, including the 42.7 cm<sup>3</sup> two-stroke engine (1.25 kW), bike-style handlebar with controls, automatic line reload, robust and low-vibration design, double shoulder harness for comfort, 3-tooth metal blade, and dual line trimmer head, and 1.0 liter fuel tank.



## **Robuster und vibrationsärmer durch verstärkte Konstruktion**

Figure 3.2: Close-up of the robust and low-vibration design due to reinforced construction.

mit Schutz  
gegen Stöße



**42,7 cm<sup>3</sup>**  
**Zweitaktmotor (1,25 kW)**  
**und 1,0 Liter Tank**

Figure 3.3: View of the 42.7 cm<sup>3</sup> two-stroke engine (1.25 kW) and 1.0 liter fuel tank, with protection against impacts.

## 4. PACKAGE CONTENTS

The STIGA BC 545 B package typically includes the following components:

- STIGA BC 545 B Brushcutter Unit
- Bike-style Handlebar
- Tap&Go Pro Dual Line Head
- 3T Metal Blade
- Double Transport Harness
- Tool Kit (for assembly)
- User Manual



Figure 4.1: The STIGA BC 545 B brushcutter shown with its included accessories: the double transport harness and the 3T metal blade.

## 5. SETUP & ASSEMBLY

### 5.1 Handlebar Assembly

1. Carefully unpack all components.
2. Attach the bike-style handlebar to the main shaft using the provided clamps and bolts. Ensure it is securely fastened and aligned for comfortable operation.

3. Tighten all fasteners firmly but do not overtighten.

## 5.2 Attaching the Cutting Head

1. Depending on the task, choose between the Tap&Go line head or the 3T metal blade.
2. For the line head: Follow the instructions in the manual to securely attach the Tap&Go head to the gear housing. Ensure the line is properly wound and extended.
3. For the metal blade: Attach the 3T metal blade using the appropriate washers and nut. Ensure the blade is correctly oriented and tightened securely. **Always use the blade guard.**

## 5.3 Fuel Mixture Preparation

The STIGA BC 545 B uses a 2-stroke petrol engine, requiring a specific fuel-oil mixture. Refer to the engine manufacturer's recommendations for the exact mixing ratio (typically 50:1 or 25:1, depending on the oil type). Use high-quality unleaded petrol and a good quality 2-stroke engine oil.

1. Mix the fuel and oil in a separate, approved fuel container.
2. Shake the container thoroughly to ensure proper mixing.
3. Carefully pour the mixture into the brushcutter's fuel tank (1.0 liter capacity), avoiding spills.
4. Securely close the fuel cap.

# 6. OPERATING INSTRUCTIONS

## 6.1 Starting the Engine

1. Place the brushcutter on a flat, stable surface.
2. Ensure the cutting attachment is clear of any obstructions.
3. Set the choke lever to the 'START' or 'COLD START' position (if applicable).
4. Press the primer bulb several times until fuel is visible.
5. Engage the throttle lock (if available) and pull the starter cord firmly until the engine fires.
6. Once the engine starts, gradually move the choke lever to the 'RUN' position.
7. Allow the engine to warm up for a few moments before beginning operation.



# Bedienelemente direkt am Griff für optimale Effizienz und Sicherheit



Figure 6.1: Operating controls located directly on the handlebar for optimal efficiency and safety.





Figure 6.2: Close-up of the control grip, showing the power switch and throttle trigger.

## 6.2 Operating the Brushcutter

1. Attach the double transport harness for comfortable and balanced operation.
2. Hold the brushcutter firmly with both hands on the handlebar.
3. Maintain a stable stance and keep the cutting attachment away from your body.
4. Gradually apply throttle to increase the cutting speed.
5. Move the brushcutter in a sweeping motion, cutting from right to left for optimal efficiency with the line head, or as appropriate for the blade.
6. Avoid hitting hard objects like rocks or metal, especially when using the metal blade.

## 6.3 Stopping the Engine

1. Release the throttle to allow the engine to return to idle speed.
2. Press the engine stop switch (usually located on the handlebar controls) to turn off the engine.
3. Wait for all moving parts to come to a complete stop before setting the brushcutter down.

# 7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your STIGA BC 545 B brushcutter.

Always ensure the engine is off and cool before performing any maintenance.

## 7.1 General Cleaning

- After each use, clean the brushcutter thoroughly, removing grass, dirt, and debris from the engine housing, cutting head, and shaft.
- Use a brush or compressed air for hard-to-reach areas.
- Inspect the blade guard for damage and ensure it is securely attached.

## 7.2 Air Filter Maintenance

- Check the air filter regularly (e.g., every 10-15 hours of operation).
- Remove the air filter cover and take out the filter element.
- Clean foam filters with warm soapy water, rinse, and allow to dry completely. Lightly oil before reinstallation.
- Replace paper filters if heavily soiled or damaged.

## 7.3 Spark Plug Maintenance

- Inspect the spark plug every 25-30 hours of operation.
- Remove the spark plug using a spark plug wrench.
- Clean any carbon deposits with a wire brush.
- Check the electrode gap and adjust if necessary according to the manual's specifications.
- Replace the spark plug if it is worn or damaged.

## 7.4 Blade/Line Head Replacement

- **Line Head:** Replace the trimmer line when it becomes too short or worn. Follow the instructions for your Tap&Go head to reload the line.
- **Metal Blade:** Sharpen or replace the 3T metal blade when it becomes dull or damaged. Always use appropriate protective gear and tools for blade maintenance.

## 7.5 Storage

- Before long-term storage, drain the fuel tank or run the engine until it runs out of fuel to prevent fuel degradation.
- Clean the brushcutter thoroughly.
- Store in a dry, well-ventilated area, away from direct sunlight and extreme temperatures.

## 8. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Engine does not start	No fuel or incorrect fuel mixture Spark plug fouled or faulty Choke setting incorrect Air filter clogged	Check fuel level and mixture Clean or replace spark plug Adjust choke to correct position Clean or replace air filter
Engine runs, but cuts poorly	Trimmer line too short or worn Metal blade dull or damaged Engine not reaching full RPM	Extend or replace trimmer line Sharpen or replace metal blade Check fuel, air filter, and spark plug
Excessive vibration	Loose components Damaged cutting attachment Bent shaft	Check and tighten all bolts and screws Inspect and replace damaged blade/head Contact service center if shaft is bent
Engine stalls during operation	Fuel tank empty Overheating Clogged fuel filter	Refuel Allow engine to cool, check for obstructions Clean or replace fuel filter

## 9. SPECIFICATIONS

Feature	Specification
Model Number	287321002/ST1 (BC 545 B)
Engine Type	2-stroke petrol engine
Engine Displacement	42.7 cm <sup>3</sup>
Engine Power	1.25 kW
Fuel Tank Capacity	1.0 Liter
Cutting Width	45 cm
Cutting Attachments	Tap&Go Dual Line Head, 3T Metal Blade
Handle Type	Bike Handlebar
Product Dimensions (L x W x H)	189 x 69 x 44.5 cm
Weight	9 Kilograms
Material	Plastic
Power Source	2-stroke petrol

Feature	Specification
Assembly Required	No (pre-assembled, minor setup required)

## 10. WARRANTY & SUPPORT

For warranty information, please refer to the documentation provided with your purchase or contact your authorized STIGA dealer. STIGA products typically come with a manufacturer's warranty covering defects in materials and workmanship under normal use.

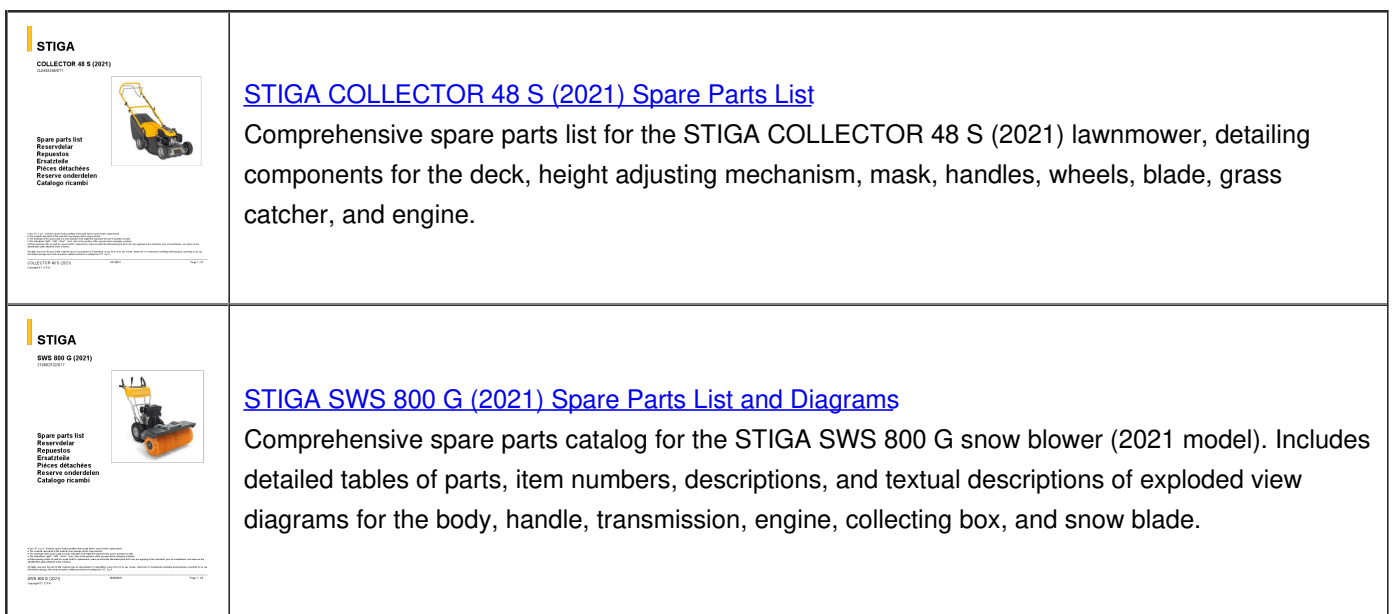
If you encounter any issues or require technical assistance, please contact STIGA customer support or an authorized service center. Ensure you have your product model number (BC 545 B) and serial number (if applicable) ready when contacting support.

For spare parts availability, please consult your local STIGA dealer or the official STIGA website, as information on spare parts availability is not directly provided here.

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This manual is for informational purposes only. Always refer to the official product manual for complete and up-to-date instructions.

## Related Documents - BC 545 B



Comprehensive user manual for the STIGA VILLA ride-on lawnmower, covering operation, safety, maintenance, and technical specifications for models 320 and 520. Includes assembly instructions, control descriptions, and troubleshooting.

Manuale di istruzioni per il caricabatterie STIGA RWC01, con informazioni sulla sicurezza, funzionamento, dati tecnici e risoluzione dei problemi.

Operator's manual for STIGA V302 and V302 S ride-on lawnmowers, detailing technical specifications, dimensions, operation, and maintenance guidelines.

Explore the STIGA CP1 Series Operator's Manual for detailed guidance on your CP1 434, CP1 484, and CP1 534 lawnmowers. This comprehensive guide covers essential safety protocols, operational procedures, maintenance schedules, and troubleshooting tips to ensure efficient and safe lawn care.