

## Hecht H152BTS

# Hecht 152 BTS Gasoline Brush Cutter

Model: H152BTS - Instruction Manual

## 1. IMPORTANT SAFETY INSTRUCTIONS

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Read all safety warnings, instructions, illustrations, and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

### 1.1 General Safety

- Always wear appropriate personal protective equipment (PPE), including eye protection, hearing protection, heavy-duty long pants, and non-slip footwear.
- Keep children, bystanders, and pets at least 15 meters (50 feet) away from the operating area.
- Do not operate the brush cutter when you are tired, ill, or under the influence of drugs, alcohol, or medication.
- Inspect the work area for objects that could be thrown or entangled in the cutting attachment. Remove all debris.

### 1.2 Fuel Safety

- Handle fuel with extreme care. It is highly flammable.
- Mix and store fuel in approved containers only.
- Do not smoke or allow flames or sparks near fuel or the brush cutter.
- Refuel outdoors only and wipe up any spills immediately.
- Allow the engine to cool before refueling.

### 1.3 Operation Safety

- Hold the brush cutter firmly with both hands during operation.
- Maintain proper footing and balance at all times.
- Be aware of kickback, especially when using the blade.
- Never operate without the guard properly installed.

## 2. PRODUCT OVERVIEW

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The Hecht 152 BTS is a powerful gasoline-powered brush cutter designed for clearing dense grass and weeds. It features a 2-stroke engine and can be used with both a line spool head and a 3-tooth blade.

## 2.1 Components

- Engine Unit
- Drive Shaft (disassemblable)
- Handlebar (adjustable)
- Throttle Control with Safety Lock
- Cutting Guard
- Line Spool Head
- 3-Tooth Blade
- Backpack Harness
- Fuel Tank
- Starter Rope

### *Image Placeholder: Product Diagram*

A detailed diagram showing all labeled components of the Hecht 152 BTS brush cutter.

## 3. SETUP

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### 3.1 Assembly

1. **Attach the Drive Shaft:** If disassembled for transport, connect the two parts of the drive shaft securely. Ensure the locking mechanism engages.
2. **Install the Handlebar:** Mount the handlebar onto the drive shaft and tighten the clamping bolts. Adjust the angle for comfortable operation.
3. **Mount the Cutting Guard:** Secure the cutting guard above the cutting attachment. Ensure it is firmly attached to protect against debris.
4. **Install Cutting Attachment:** Choose between the line spool head or the 3-tooth blade. Follow the specific instructions for securing the chosen attachment. Ensure it is correctly seated and tightened.
5. **Attach Backpack Harness:** Connect the backpack harness to the designated attachment points on the brush cutter. Adjust straps for a snug and balanced fit.

### *Image Placeholder: Assembly Diagram*

Visual guide illustrating the steps for assembling the brush cutter, including attaching the shaft, handlebar, guard, and cutting head.

### 3.2 Fueling

The Hecht 152 BTS uses a 2-stroke engine and requires a specific fuel mixture of gasoline and 2-stroke engine oil. Refer to the engine oil manufacturer's instructions for the correct mixing ratio (typically 25:1 or 50:1).

1. **Prepare Fuel Mixture:** Mix fresh unleaded gasoline with high-quality 2-stroke engine oil in an approved fuel container. Shake well.
2. **Open Fuel Cap:** Ensure the engine is cool. Carefully open the fuel tank cap.
3. **Fill Fuel Tank:** Pour the mixed fuel into the tank, avoiding overfilling. Leave a small air gap.
4. **Secure Cap:** Tightly close the fuel cap. Wipe away any spilled fuel.

## 4. OPERATING INSTRUCTIONS

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### 4.1 Starting the Engine

1. **Prime the Carburetor:** Press the primer bulb several times until fuel is visible.
2. **Set Choke:** Move the choke lever to the 'CLOSED' or 'START' position.
3. **Set Throttle:** Place the throttle lever in the 'START' or 'HALF THROTTLE' position.
4. **Pull Starter Rope:** Hold the brush cutter firmly. Pull the starter rope slowly until resistance is felt, then pull sharply and quickly. Repeat until the engine fires (usually 1-3 pulls).
5. **Open Choke:** Once the engine fires, move the choke lever to the 'OPEN' or 'RUN' position.
6. **Restart (if necessary):** If the engine stalls, repeat steps 4 and 5. If it runs, let it warm up for a few seconds before engaging the throttle fully.

### 4.2 Stopping the Engine

1. **Release Throttle:** Allow the engine to idle for a few seconds.
2. **Press Stop Switch:** Press and hold the engine stop switch until the engine completely shuts off.

### 4.3 Cutting Techniques

Always wear the backpack harness for balanced weight distribution and reduced fatigue.

- **Line Trimmer Operation (430 mm cutting width):** Use a sweeping motion from side to side. For automatic line feed, tap the cutting head gently on the ground while the engine is running at full throttle.
- **Blade Operation (255 mm cutting width):** For dense brush and small saplings, use the 3-tooth blade. Cut with a controlled, steady motion. Be aware of potential kickback.
- **Maintain Control:** Always keep a firm grip on the handlebar and maintain good balance.

*Image Placeholder: Operating Position*

Illustration demonstrating the correct and safe operating posture with the brush cutter and backpack harness.

## 5. MAINTENANCE

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Regular maintenance ensures optimal performance and extends the life of your Hecht 152 BTS brush cutter. Always disconnect the spark plug wire before performing any maintenance.

### 5.1 Air Filter

1. **Check Regularly:** Inspect the air filter before each use or after every 5 hours of operation.
2. **Clean/Replace:** Remove the air filter cover. Clean the filter element with warm, soapy water, rinse thoroughly, and allow to air dry completely. If heavily soiled or damaged, replace it.

### 5.2 Spark Plug

1. **Inspect Periodically:** Check the spark plug after every 20 hours of operation.
2. **Clean/Replace:** Remove the spark plug. Clean any carbon deposits with a wire brush. Check the electrode gap and adjust if necessary. Replace if electrodes are worn or insulation is cracked.

### 5.3 Cutting Attachments

- **Line Spool Head:** Replace the cutting line when it runs out. Use 2.5 mm diameter line.
- **3-Tooth Blade:** Inspect the blade for damage, cracks, or dullness before each use. Sharpen or replace

the blade as needed. Always ensure the blade is balanced after sharpening.

## 5.4 Storage

- Clean Thoroughly:** Clean the entire brush cutter, removing all grass, dirt, and debris.
- Drain Fuel:** For long-term storage (over 30 days), drain the fuel tank and run the engine until it stops to clear the carburetor.
- Store Safely:** Store the brush cutter in a dry, well-ventilated area, out of reach of children.

### *Image Placeholder: Maintenance Points*

Diagram highlighting key maintenance areas such as the air filter, spark plug, and cutting head attachment points.

## 6. TROUBLESHOOTING

Before attempting any repairs, ensure the engine is off and the spark plug wire is disconnected.

Problem	Possible Cause	Solution
Engine does not start	No fuel or incorrect fuel mixture Choke not set correctly Spark plug fouled or wet Air filter clogged	Check fuel level and mixture Adjust choke to 'CLOSED' for cold start Clean or replace spark plug Clean air filter
Engine runs, then stalls	Fuel cap vent blocked Fuel filter clogged Idle speed too low	Clean fuel cap vent Replace fuel filter Adjust idle speed (refer to service manual)
Loss of power during operation	Air filter clogged Spark plug faulty Incorrect fuel mixture	Clean air filter Replace spark plug Ensure correct fuel-oil ratio
Excessive vibration	Loose cutting attachment Damaged or unbalanced blade Bent drive shaft	Tighten cutting attachment Replace or balance blade Contact service center

## 7. SPECIFICATIONS

Feature	Specification
Model	Hecht 152 BTS
Engine Type	Single-cylinder, 2-stroke
Max. Engine Power	1.6 kW (2.2 PS)
Displacement	52 cm <sup>3</sup>
Nominal Speed	6500 rpm
Weight	7.9 kg

Feature	Specification
Blade Cutting Width	255 mm
Line Spool Cutting Width	430 mm
Line Thickness	2.5 mm
Fuel Type	Gasoline/2-stroke oil mixture

## 8. WARRANTY AND SUPPORT

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Hecht products are manufactured to high-quality standards and are guaranteed against manufacturing defects. Please retain your proof of purchase for warranty claims.

The warranty period typically covers defects in materials and workmanship under normal use. It does not cover wear and tear parts, misuse, neglect, or unauthorized modifications.

For warranty service, technical support, or to order replacement parts, please contact your authorized Hecht dealer or visit the official Hecht website for contact information.

### **Contact Information:**

Please refer to your purchase documentation or the official Hecht website for the most up-to-date service and support contact details in your region.