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> Husqvarna 543RS Brushcutter User Manual

Husqvarna 543RS (Model 966779901)

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Model: 543RS (966779901)

1. PRODUCT OVERVIEW

The Husqvarna 543RS is a semi-professional brushcutter featuring an X-Torq engine, designed to reduce fuel consumption by up to 20% and emissions by up to 75%. It includes an independent starter for easy rope changes and versatile cutting equipment that can be used with both a trimmer head and a blade. The handlebar and shaft are adjustable with wing nuts for user comfort.



An image showing the Husqvarna 543RS brushcutter from the side, highlighting its orange engine housing, white shaft, and black handles. The cutting head is visible on the left.

2. SAFETY WARNINGS

WARNING: Read all safety warnings and instructions before operating this brushcutter.

- The use of this brushcutter requires safety precautions.
- Ensure you wear appropriate clothing and footwear, as well as protective eyewear to prevent projections.

- Be careful not to injure yourself with the starter rope.
- Never cut materials that could be projected towards you or others.
- Keep this brushcutter out of reach of children and pets.

3. SETUP

3.1 Assembly

1. **Handlebar Assembly:** Attach the handlebar to the shaft using the provided wing nuts. Adjust to a comfortable working position.
2. **Cutting Guard Installation:** Securely fasten the cutting guard over the cutting attachment area. Ensure it is properly aligned to protect against debris.
3. **Cutting Attachment:** Depending on your task, install either the T35 M trimmer head or the Multi 275-4 grass blade. Refer to the specific attachment's instructions for proper mounting.
4. **Harness Adjustment:** Put on the Husqvarna double harness and adjust it for a balanced and comfortable fit, distributing the weight evenly across your shoulders and hips.

3.2 Fueling

- Use a mixture of unleaded gasoline and Husqvarna 2-stroke engine oil. Follow the recommended mixing ratio (typically 50:1 or 2%).
- Fill the fuel tank (capacity 0.75 L) carefully, avoiding spills.
- Ensure the fuel cap is securely tightened before operation.

4. OPERATING INSTRUCTIONS

4.1 Starting the Engine

1. Place the brushcutter on a flat, stable surface.
2. Engage the choke (if cold start).
3. Press the primer bulb several times until fuel is visible.
4. Pull the starter rope firmly until the engine fires. The independent starter design facilitates this.
5. Disengage the choke gradually as the engine warms up.
6. Allow the engine to warm up for a few moments at idle speed (3,000 rpm) before beginning work.

4.2 Operation

- Always maintain a firm grip on the handlebar with both hands.
- Keep a safe distance from other people and objects.
- Use a sweeping motion when cutting, moving from right to left for optimal cutting efficiency with the blade.
- For trimmer line, feed out new line as needed by tapping the trimmer head on the ground while running at full throttle.
- Do not force the machine; let the engine's power (1.5 kW, max 9,000 rpm) do the work.

5. MAINTENANCE

5.1 Daily Maintenance

- Clean the exterior of the brushcutter, especially the engine cooling fins, to prevent overheating.
- Check the cutting attachment (trimmer head or blade) for wear or damage. Replace if necessary.
- Inspect the cutting guard for cracks or damage.
- Check all nuts and bolts for tightness.

5.2 Regular Maintenance

- **Air Filter:** Clean or replace the air filter regularly to ensure proper engine performance.
- **Spark Plug:** Inspect and clean the NGK CMR7H spark plug. Replace if electrodes are worn or fouled.
- **Fuel Filter:** Check and replace the fuel filter in the tank periodically.
- **Gearbox Lubrication:** Ensure the gearbox is properly lubricated according to the manufacturer's recommendations.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Engine won't start	No fuel, fouled spark plug, clogged fuel filter, incorrect choke setting	Check fuel level, clean/replace spark plug, replace fuel filter, adjust choke
Loss of power during operation	Clogged air filter, incorrect fuel mixture, dull cutting attachment	Clean/replace air filter, use correct fuel mixture, sharpen/replace cutting attachment
Excessive vibration	Damaged or unbalanced cutting attachment, loose components	Inspect/replace cutting attachment, tighten all bolts and nuts

7. SPECIFICATIONS

Feature	Specification
Brand	Husqvarna
Model Number	966779901
Engine Size	40.1 cm ³
Power	1.5 kW
Maximum Speed	9,000 rpm
Fuel Tank Capacity	0.75 L
Idle Speed	3,000 rpm

Feature	Specification
Spark Plug	NGK CMR7H
Lubricant Type	Husqvarna 2-stroke
Trimmer Head	T35 M
Grass Blade	Multi 275-4
Harness	Husqvarna double harness
Weight (without cutting equipment)	7.4 kg (22.05 lbs)
Tube Length	1,483 mm
Tube Diameter	28.05 mm
Power Source	Gas Powered
Color	Black / Orange
Cutting Width	40.1 Centimeters
Speed	10000 rpm

8. WARRANTY AND SUPPORT

For information regarding warranty coverage, please refer to the warranty card included with your product or visit the official Husqvarna website. Keep your proof of purchase for any warranty claims.

For technical support, spare parts, or service, please contact your authorized Husqvarna dealer or Husqvarna customer service. You can find contact information on the Husqvarna website or in your product documentation.

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