Pretul DES-25P

Pretul DES-25P Gas Brush Cutter User Manual

Model: DES-25P

1. Safety Information

Read and understand all safety warnings and instructions before operating the brush cutter. Failure to follow these instructions may result in serious injury.

- **Personal Protective Equipment:** Always wear protective glasses and sturdy shoes during use. Additional protective gear such as hearing protection, gloves, and long pants are recommended.
- **Bystander Safety:** Avoid using the brush cutter in the presence of people or animals. Ensure a safe distance (at least 15 meters or 50 feet) from others.
- **Body Positioning:** Keep the device away from all body parts during operation to prevent cutting injuries or injuries from thrown projectiles.
- **Work Area:** Clear the work area of any debris, rocks, or other objects that could be thrown by the cutting line.
- **Fuel Handling:** Handle gasoline with extreme care. It is highly flammable. Refuel in a well-ventilated area with the engine off and cool.

2. Product Overview

The Pretul DES-25P is a powerful and versatile gas brush cutter designed for residential use, ideal for trimming thin grass, weeds, and light brush.

Key Features:

- 2-stroke engine for efficient power.
- Anti-vibration "D" type handle for enhanced control and comfort.
- Functions as both a brush cutter and an edger.
- Suitable for residential use, cutting thin grass, green weeds, and light brush.
- 25 cc engine displacement, 1 HP power, 17" (43 cm) cutting diameter, 7,500 rpm speed.

Components:

Familiarize yourself with the main parts of your Pretul DES-25P brush cutter.



Figure 2.1: Detailed view of the 2-stroke, 25cc, 1 HP engine, highlighting its power and suitability for light residential use.



Figure 2.2: The curved shaft design allows for easy maneuverability, and the brush cutter weighs 5.2 kg.



Figure 2.3: Practical cutting with a 17-inch (43 cm) diameter and 7,500 RPM speed, optimized for thin grass.



Figure 2.4: Achieve defined edges with the edging function, using a recommended line diameter of 2.7 mm.



Figure 2.5: Designed for ease of use with an anti-vibration handle, soft start system, and easy line reload system.



Figure 2.6: The detachable shaft allows for easy storage and transport of the brush cutter.



Figure 2.7: The 500 ml fuel tank allows for easy visualization of the fuel level. Use a 40:1 fuel mixture (5 caps of 2-stroke oil per 1 liter of premium gasoline).

3. Setup

3.1 Unpacking

Carefully remove all components from the packaging. Check for any damage during transit. Ensure all parts listed in the manual are present.

3.2 Assembly Instructions

Assembly is required for this product. Follow these general steps:

1. **Attach the Handle:** Secure the D-handle to the shaft at a comfortable operating position using the provided fasteners.

2. **Install the Guard:** Mount the safety guard over the cutting head to protect against debris. Ensure it is firmly attached.
3. **Connect the Shaft:** If the shaft is detachable, connect the two sections securely until they lock into place.
4. **Install the Cutting Head:** Attach the cutting head (trimmer head) to the shaft according to the instructions. Ensure the line is properly spooled.

3.3 Fuel Mixture

This brush cutter uses a 2-stroke engine and requires a specific fuel mixture. Use unleaded gasoline with a minimum octane rating of 87 and high-quality 2-stroke engine oil.

- **Mixing Ratio:** 40:1 (40 parts gasoline to 1 part 2-stroke oil).
- **Preparation:** Mix the fuel in a separate, approved fuel container. First, add half the required gasoline, then all the 2-stroke oil, shake well, and finally add the remaining gasoline. Shake again.
- **Filling the Tank:** With the engine off and cool, carefully fill the fuel tank. Do not overfill. Wipe up any spills immediately.

4. Operating Instructions

4.1 Starting the Engine

1. **Prime the Engine:** Press the primer bulb several times until fuel is visible in the return line.
2. **Set Choke:** Move the choke lever to the FULL CHOKE position.
3. **Ignition Switch:** Ensure the ignition switch is in the "ON" (1) position.
4. **Pull Starter Cord:** Hold the brush cutter firmly. Pull the starter cord slowly until resistance is felt, then pull sharply and quickly. Repeat until the engine attempts to start (usually a few pulls).
5. **Half Choke:** Once the engine attempts to start, move the choke lever to the HALF CHOKE position.
6. **Restart:** Pull the starter cord again until the engine starts.
7. **Run Warm:** Allow the engine to run for 30-60 seconds to warm up, then move the choke lever to the RUN position.

4.2 Cutting Techniques

- **Sweeping Motion:** Use a side-to-side sweeping motion, cutting from right to left for optimal debris deflection.
- **Edging:** For precise edges, hold the cutting head at an angle to the ground.
- **Avoid Overloading:** Do not force the cutting line into thick vegetation. Take smaller passes.
- **Line Advancement:** Tap the cutting head gently on the ground while the engine is running at full throttle to advance the cutting line.

4.3 Stopping the Engine

To stop the engine, simply move the ignition switch to the "OFF" (0) position.

5. Maintenance

Regular maintenance ensures optimal performance and extends the life of your brush cutter.

5.1 Cleaning

- After each use, clean the exterior of the brush cutter with a damp cloth.
- Remove any grass, dirt, or debris from the cutting head and guard.
- Ensure cooling fins are free of obstructions.

5.2 Spark Plug

- **Check Periodically:** Inspect the spark plug every 25 hours of operation or annually.
- **Cleaning/Replacement:** Clean any carbon deposits. If the electrode is worn or damaged, replace the spark plug with the recommended type.

5.3 Air Filter

- **Clean Regularly:** Clean the air filter every 10 hours of operation or more frequently in dusty conditions.
- **Procedure:** Remove the air filter cover, take out the filter element, and clean it with warm soapy water. Rinse thoroughly and allow to dry completely before reinstallation. Replace if damaged.

5.4 Line Replacement

When the cutting line becomes too short or breaks, it needs to be replaced. Refer to your cutting head's specific instructions for line reloading. Use a 2.7 mm diameter line.

5.5 Storage

- **Short-Term:** Store in a clean, dry place away from direct sunlight and heat.
- **Long-Term:** Drain the fuel tank completely or use a fuel stabilizer. Clean the unit thoroughly. Store in a secure, dry location.

6. Troubleshooting

This section provides solutions to common problems you might encounter.

Problem	Possible Cause	Solution
Engine does not start	No fuel, incorrect choke setting, ignition switch OFF, fouled spark plug, flooded engine.	Check fuel level and mixture. Adjust choke. Turn ignition ON. Clean/replace spark plug. Follow de-flooding procedure (full throttle, no choke, pull cord several times).
Engine starts but stalls	Incorrect choke setting, old/stale fuel, clogged fuel filter, dirty air filter.	Move choke to RUN position. Use fresh fuel. Clean/replace fuel filter. Clean air filter.
Loss of power during operation	Dirty air filter, incorrect fuel mixture, worn spark plug, cutting line too long.	Clean air filter. Ensure correct fuel mixture. Replace spark plug. Shorten cutting line.

Problem	Possible Cause	Solution
Excessive vibration	Damaged cutting head, bent shaft, loose components.	Inspect cutting head for damage. Check shaft for bends. Tighten all fasteners.

7. Specifications

Detailed technical specifications for the Pretul DES-25P brush cutter.

Specification	Value
Brand	Pretul
Model Number	DES-25P (22430)
Power Source	Gasoline
Engine Displacement	25 cc
Engine Power	1 HP
Cutting Width	17 inches (43 cm)
Speed	7500 RPM
Item Weight	5.2 Kilograms
Item Dimensions (L x W)	100 cm x 70.6 cm
Fuel Tank Capacity	500 ml
Fuel Mixture Ratio	40:1 (Gasoline:2-stroke oil)
Recommended Line Diameter	2.7 mm
Assembly Required	Yes
Country of Origin	China
Included Components	As described on packaging

8. Warranty and Support

8.1 Manufacturer's Warranty

This Pretul DES-25P brush cutter comes with a**1-year manufacturer's warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

The warranty does not cover damage resulting from misuse, neglect, unauthorized repairs, or normal wear and tear.

8.2 Customer Support

For technical assistance, warranty claims, or to order replacement parts, please contact Pretul customer service. Refer to the contact information provided with your product packaging or visit the official Pretul website for support details.

When contacting support, please have your model number (DES-25P) and serial number (if applicable) ready.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question