

ROEDE ROEDE321

ROEDE Carburetor ROEDE321 User Manual

Model: ROEDE321 | Brand: ROEDE

1. PRODUCT OVERVIEW

This manual provides essential information for the installation, operation, and maintenance of your ROEDE Carburetor, model ROEDE321. This high-quality replacement part is designed to restore optimal performance to compatible garden equipment.

Key features include:

- Brand New and High Quality construction.
- Made of durable and practical materials.
- Direct replacement for old or damaged parts.
- Sturdy and durable design for long service life.
- Easy to install and reliable to use.

2. COMPATIBILITY

This carburetor is a direct replacement for the following part numbers:

- Makita PN: 168669-7
- 525-60860-00
- DA00000417
- 671000417

It is compatible with the following string trimmer models:

For Makita String Trimmers:

- RBC2510
- RBC2500
- PTR2500
- EM2500U
- ER2600L
- EM2600L
- EM2600U

For Dolmar String Trimmers:

- LT-27
- MS-27C
- MS-27U

3. PACKAGE CONTENTS

Upon opening your package, please verify that all the following components are included:

- 1 x Carburetor
- 1 x Gaskets (set)
- 1 x Fuel Filter
- 1 x Spark Plug
- 2 x Primer Bulbs
- 2 x Fuel Lines



Figure 3.1: Complete ROEDE Carburetor replacement kit showing all included parts.

If any items are missing or damaged, please contact your seller immediately.

4. SETUP AND INSTALLATION

Safety First: Before beginning any installation, ensure the equipment is turned off, cooled down, and disconnected from any power source (e.g., spark plug wire removed). Wear appropriate personal protective equipment (PPE) such as gloves and eye protection.

General Installation Steps:

1. **Preparation:** Clear the work area and gather necessary tools (e.g., screwdrivers, wrenches, pliers).
2. **Access Carburetor:** Locate the existing carburetor on your string trimmer. This typically involves removing air filter covers and possibly other shrouds.
3. **Disconnect Components:** Carefully disconnect the fuel lines, throttle linkage, and any other connections to the old carburetor. Note their positions for reassembly.
4. **Remove Old Carburetor:** Unbolt and remove the old carburetor. Be mindful of any gaskets that may be stuck.
5. **Install New Gaskets:** Place the new gaskets provided in the kit in their correct positions between the engine, insulator (if present), and the new carburetor. Proper gasket placement is crucial for an airtight seal.

6. **Mount New Carburetor:** Position the new ROEDE carburetor and secure it with the original bolts. Do not overtighten.
7. **Reconnect Components:** Reattach the fuel lines (ensuring correct routing for inlet and return lines), throttle linkage, and any other connections. Replace the fuel filter if necessary.
8. **Replace Spark Plug:** Remove the old spark plug and install the new one provided. Ensure it is tightened correctly.
9. **Replace Primer Bulbs:** If the old primer bulbs are cracked or hardened, replace them with the new ones.
10. **Final Assembly:** Reinstall any covers or shrouds that were removed.



Figure 4.1: Side view of the carburetor, showing key connection points for installation.



Figure 4.2: Top view of the carburetor, illustrating the air intake and mounting flange.

After installation, prime the carburetor by pressing the primer bulb until fuel is visible. Check for any fuel leaks before attempting to start the engine.

5. OPERATION

Once the new carburetor is installed, the engine should start and run smoothly. If your equipment has carburetor adjustment screws (typically 'L' for low speed and 'H' for high speed), minor adjustments may be necessary for optimal performance. Refer to your equipment's original user manual for specific carburetor tuning procedures.

Important Considerations:

- **Fuel Mixture:** Always use the correct fuel-to-oil mixture specified by your equipment manufacturer for 2-stroke engines. Incorrect mixtures can damage the engine and carburetor.
- **Clean Fuel:** Ensure your fuel is clean and free of debris. Use a fresh fuel mixture, especially for 2-stroke

engines. Stale fuel can cause carburetor issues.

- **Air Filter:** A clean air filter is essential for proper carburetor function. Ensure the air filter is clean and properly installed.

6. MAINTENANCE

Regular maintenance of your carburetor and associated components will extend the life of your equipment and ensure reliable operation.

- **Fuel Filter Replacement:** The fuel filter should be replaced periodically, typically annually or if signs of clogging appear. The kit includes a new fuel filter.
- **Spark Plug Inspection:** Inspect the spark plug regularly for wear, fouling, or incorrect gap. Replace it as needed. The kit includes a new spark plug.
- **Fuel Lines and Primer Bulbs:** Check fuel lines for cracks or hardening and primer bulbs for tears. Replace them if damaged. The kit includes new fuel lines and primer bulbs.
- **Carburetor Cleaning:** If the equipment experiences fuel-related issues, the carburetor may need cleaning. This typically involves disassembling the carburetor and cleaning jets and passages with carburetor cleaner. This should only be performed by individuals with appropriate mechanical knowledge.
- **Fuel Storage:** When storing equipment for extended periods, drain the fuel tank and run the engine until it stops to clear fuel from the carburetor, or use a fuel stabilizer.

7. TROUBLESHOOTING

If you encounter issues after installing the new carburetor, consider the following common troubleshooting steps:

| Problem | Possible Cause | Solution |
|-----------------------------|--|---|
| Engine won't start | No fuel reaching carburetor, incorrect fuel mixture, clogged fuel filter, faulty spark plug, air leak. | Check fuel lines for kinks, ensure primer bulb is working, verify correct fuel mixture, replace fuel filter, check/replace spark plug, inspect gaskets for proper seal. |
| Engine runs rough or stalls | Improper carburetor adjustment, dirty air filter, stale fuel, minor fuel restriction. | Adjust carburetor (if applicable), clean/replace air filter, use fresh fuel, check fuel filter. |
| Loss of power | Clogged fuel filter, dirty air filter, incorrect carburetor adjustment, worn spark plug. | Replace fuel filter, clean/replace air filter, adjust carburetor, replace spark plug. |
| Fuel leaks | Loose fuel lines, damaged primer bulb, improperly seated gaskets. | Tighten fuel line clamps, replace primer bulb, ensure gaskets are correctly installed and carburetor is tightened. |

If problems persist after following these steps, it is recommended to consult a qualified service technician or contact your seller for further assistance.

8. SPECIFICATIONS

| Attribute | Detail |
|--------------------------|---------------------------|
| Manufacturer | ROEDE |
| Brand | ROEDE |
| Model | ROEDE321 |
| Item Weight | 1.76 ounces |
| Package Dimensions | 1.18 x 0.79 x 0.39 inches |
| Country of Origin | China |
| Manufacturer Part Number | ROEDE321 |

9. WARRANTY AND SUPPORT

Warranty information for this product is typically provided by the seller at the time of purchase. Please refer to your purchase documentation or contact the seller directly for details regarding warranty coverage, returns, or technical support.

For any questions or assistance with installation or troubleshooting that is not covered in this manual, please reach out to the seller or a qualified service professional.



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This manual is for informational purposes only. Always exercise caution and follow safety guidelines when working with power equipment.