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FYNORA-REVIXO CMXGTAMDAXSC

FYNORA-REVIXO CMXGTAMDAXSC Carburetor Instruction Manual

For MTD, Cub Cadet, and Craftsman 4-Cycle Trimmers

INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of the FYNORA-REVIXO CMXGTAMDAXSC Carburetor. This carburetor is designed as a replacement component for various 30cc 4-cycle trimmers from brands such as MTD, Cub Cadet, and Craftsman. It replaces part number 751-16046-4 and is compatible with specific engine models to ensure proper fuel-air mixture delivery for engine function.

COMPATIBILITY

This carburetor is compatible with the following engine and trimmer models:

- **MTD/Cub Cadet Engine Models:** WS410, E410, E405, WS4200, C405, C410.
- **Troy-Bilt Engine Models:** TB304BC, TB304H, TB304S, TBC304, TBE304.
- **Specific Model Numbers:** CMXGKAME3079, E30, CMXGKAME30A, CMXGTAMD30SA, WS405, CMXGTAMDSS30, CMXGVAMKC30A, CMXGVAMKC30C, 751-16046-4, 25A-E30-793, 2020, 25A-E30-791, 41AD30SA791, 41ADAXSC793, 41BDAXSC793, 41CDAXSC793, 41DDAXSC793, 41ADSS30793, 21AKC30C791, 21AKC30C793, 41AD304S866, 41AD304H766, 41AD304S766, 21AKC304766, 25A-304-766.

This carburetor serves as a replacement for part number 751-16046-4.

PRODUCT OVERVIEW



Image 1: Front and side view of the CMXGTAMDAXSC Carburetor. Key dimensions include a main bore diameter of approximately 25mm (0.98in) and fuel line connections of approximately 3mm (0.1in) in diameter. The air intake opening measures approximately 9mm (0.35in).

The carburetor is a critical component in a 4-cycle engine, responsible for mixing air and fuel in the correct ratio for combustion. This unit features a primer bulb for easier starting and standard fuel line connections. Refer to Image 1 for visual details and key dimensions.

SETUP AND INSTALLATION

Safety First: Before beginning any installation, ensure the engine is turned off and cool. Disconnect the spark plug wire to prevent accidental starting. Wear appropriate safety gear, including gloves and eye protection.

1. **Preparation:** Gather necessary tools, which may include screwdrivers, wrenches, and pliers. Have a clean cloth ready.
2. **Remove Air Filter Assembly:** Locate and remove the air filter cover and air filter element.
3. **Disconnect Fuel Lines:** Carefully disconnect the fuel lines from the old carburetor. Be prepared for a small amount of fuel leakage. Use clamps if necessary to prevent excessive fuel loss.
4. **Remove Old Carburetor:** Unbolt the old carburetor from the engine manifold. Note the orientation of any gaskets or spacers.
5. **Install New Carburetor:** Place new gaskets (if supplied or required) and the new FYNORA-REVIXO

CMXGTAMDAXSC Carburetor onto the engine manifold. Ensure proper alignment.

6. **Secure Carburetor:** Fasten the carburetor with the mounting bolts, tightening them evenly to prevent air leaks.
7. **Reconnect Fuel Lines:** Reconnect the fuel lines to the appropriate ports on the new carburetor. Ensure connections are secure.
8. **Reinstall Air Filter Assembly:** Replace the air filter element and cover.
9. **Final Checks:** Inspect all connections for tightness and ensure no tools or debris are left near the engine. Reconnect the spark plug wire.

OPERATING INSTRUCTIONS

After installation, the carburetor is ready for operation. The primary function of the carburetor is to deliver a combustible air-fuel mixture to the engine. For starting, follow the specific starting procedure outlined in your trimmer's original owner's manual, which typically involves:

- **Fueling:** Ensure the fuel tank contains the correct fuel type for your 4-cycle engine.
- **Priming:** Press the primer bulb several times until fuel is visible in the bulb and it feels firm.
- **Choke:** Set the choke lever to the "Full Choke" or "Start" position.
- **Starting:** Pull the starter rope firmly until the engine attempts to start or fires once.
- **Warm-up:** Move the choke lever to the "Half Choke" or "Run" position as the engine begins to run, then fully open the choke once the engine is warm and running smoothly.

If the engine does not start or runs poorly, refer to the Troubleshooting section.

MAINTENANCE

Regular maintenance helps ensure the longevity and performance of your carburetor.

- **Fuel System Cleanliness:** Use fresh, clean fuel. Stale or contaminated fuel can clog carburetor passages. Consider using a fuel stabilizer if the equipment will be stored for extended periods.
- **Air Filter Inspection:** Regularly check and clean or replace the air filter. A dirty air filter restricts airflow, leading to a rich fuel mixture and poor engine performance.
- **External Cleaning:** Keep the exterior of the carburetor clean from dirt, dust, and debris.
- **Primer Bulb Inspection:** Periodically check the primer bulb for cracks or hardening. Replace if damaged to ensure proper priming.

For internal cleaning or repair, it is recommended to consult a qualified service technician, as carburetor disassembly requires specialized knowledge and tools.

TROUBLESHOOTING

If you experience issues after installing the carburetor, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Engine does not start	No fuel, incorrect choke setting, clogged fuel filter, spark plug issue.	Check fuel level. Ensure choke is set correctly. Inspect fuel filter for clogs. Check spark plug for fouling or damage.
Engine runs poorly or stalls	Dirty air filter, fuel mixture incorrect, vacuum leak, old fuel.	Clean or replace air filter. Ensure carburetor is securely mounted with no air leaks. Use fresh fuel.
Fuel leaks from carburetor	Loose fuel line connections, damaged gasket, faulty primer bulb.	Tighten fuel line clamps. Inspect and replace gaskets if damaged. Check primer bulb for cracks.

If these steps do not resolve the issue, professional service may be required.

SPECIFICATIONS

- **Manufacturer:** FYNORA-REVIXO
- **Model Number:** CMXGKAME3079 E410 (Primary model identifier for manufacturing)
- **ASIN:** B0DZXKY2KQ
- **Replacement Part For:** 751-16046-4
- **Engine Type:** 30cc 4-Cycle Trimmer Engines
- **Approximate Main Bore Diameter:** 25mm (0.98in)
- **Approximate Fuel Line Connection Diameter:** 3mm (0.1in)
- **Approximate Air Intake Opening:** 9mm (0.35in)