RATION AT45026BEN

Instruction Manual

For Carburetor For DR 26 Field Brush Mower 14.5 HP AT45026BEN

Product Overview

This manual provides essential information for the installation, operation, and maintenance of the RATION AT45026BEN Carburetor, designed as a replacement part for the DR 26 Field Brush Mower with a 14.5 HP engine. This carburetor is engineered to ensure optimal engine performance and fuel efficiency.

Figure 1: RATION AT45026BEN Carburetor with accompanying gaskets and accessories. This image displays the main carburetor unit along with various components required for installation, including gaskets, fuel lines, and clamps.

Setup and Installation

Proper installation is crucial for the correct functioning of your DR 26 Field Brush Mower. Always ensure the engine is cool and disconnected from its power source before beginning any installation procedures.

1. **Preparation:** Gather necessary tools, including screwdrivers, wrenches, and pliers. Ensure you have a clean workspace.
2. **Compatibility Check:** Before installation, carefully compare the new RATION AT45026BEN carburetor with the original part. Verify that the product dimensions and mounting points match. Refer to the provided images for visual confirmation.
3. **Remove Old Carburetor:**
   - Locate the existing carburetor on your DR 26 Field Brush Mower.
   - Disconnect the fuel line, throttle linkage, and choke linkage. Be mindful of any fuel spills and have rags ready.

- Unbolt the old carburetor from the engine manifold.

4. **Install New Carburetor:**
   - Ensure all old gasket material is removed from the mounting surfaces.
   - Place new gaskets (supplied with the RATION AT45026BEN carburetor) onto the mounting studs.
   - Mount the new carburetor onto the engine manifold, ensuring a snug fit. Tighten bolts evenly to prevent air leaks.
   - Reconnect the throttle linkage, choke linkage, and fuel line. Secure fuel lines with clamps if necessary.
5. **Final Checks:** Double-check all connections for security. Ensure no tools or debris are left in the engine area.

For detailed visual guidance, consult your DR 26 Field Brush Mower's original service manual.

Operating Instructions

After successful installation, follow these general guidelines for operating your DR 26 Field Brush Mower with the new RATION AT45026BEN Carburetor.

1. **Fuel Supply:** Ensure the fuel tank contains fresh, clean fuel appropriate for your mower's engine.
2. **Choke and Throttle:** Set the choke to the appropriate starting position (usually "Full Choke" for cold starts). Set the throttle to a mid-range position.
3. **Starting the Engine:** Follow your mower's manufacturer instructions for starting. This typically involves pulling the recoil starter or engaging the electric start.
4. **Warm-up:** Allow the engine to warm up for a few minutes before engaging the cutting deck or applying full load. Gradually move the choke to the "Run" position as the engine warms.
5. **Adjustment:** If the engine runs rough or stalls, minor idle speed or mixture adjustments may be necessary. Consult a qualified technician if you are unsure.

Always operate the mower in a well-ventilated area and wear appropriate safety gear.

Maintenance

Regular maintenance of your RATION AT45026BEN Carburetor will prolong its lifespan and ensure consistent engine performance.

- **Fuel System Cleanliness:** Use fresh, clean fuel. Stale or contaminated fuel is a primary cause of carburetor issues. Consider using a fuel stabilizer if the mower will be stored for extended periods.
- **Fuel Filter:** Regularly inspect and replace the fuel filter according to your mower's maintenance schedule. A clogged fuel filter can restrict fuel flow to the carburetor.
- **Air Filter:** Ensure the engine's air filter is clean and free of debris. A dirty air filter can cause the engine to run rich and affect carburetor performance.
- **Carburetor Cleaning:** If performance issues arise, the carburetor may require cleaning. This involves disassembling the carburetor, cleaning jets and passages with carburetor cleaner, and replacing any worn gaskets or O-rings. This procedure should only be performed by individuals with mechanical experience.
- **Storage:** Before long-term storage, drain the fuel system or run the engine until it runs out of fuel to prevent fuel degradation and gumming in the carburetor.

Troubleshooting

This section addresses common issues that may arise with carburetor operation. For complex problems, consult a qualified service technician.

Problem	Possible Cause	Solution
Engine will not start	No fuel, clogged fuel filter, incorrect choke setting, fouled spark plug, carburetor jets clogged.	Check fuel level, replace fuel filter, adjust choke, inspect/replace spark plug, clean carburetor.
Engine runs rough or stalls	Dirty air filter, stale fuel, carburetor out of adjustment, fuel line obstruction.	Clean/replace air filter, drain and refill with fresh fuel, adjust carburetor (if applicable), check fuel lines.
Engine lacks power	Clogged fuel filter, dirty air filter, carburetor running lean or rich.	Replace fuel filter, clean/replace air filter, adjust carburetor mixture.
Fuel leaks from carburetor	Damaged float, worn needle valve, loose bowl screws, damaged gasket.	Inspect and replace float/needle valve, tighten screws, replace gaskets.

Specifications

- **Product Type:** Replacement Carburetor
- **Brand:** RATION
- **Model Number:** AT45026BEN
- **Compatibility:** DR 26 Field Brush Mower, 14.5 HP Engine
- **UPC:** 670308843953
- **Material:** Engineered for durability and optimal fuel delivery.

Figure 2: The official RATION brand logo. This logo identifies the manufacturer of the replacement carburetor.

Warranty and Support

Specific warranty details for the RATION AT45026BEN Carburetor are not provided within this manual. For warranty information, technical support, or assistance with parts, please contact the seller or the manufacturer directly. Retain your proof of purchase for any warranty claims.

For general inquiries or to locate authorized service centers for your DR 26 Field Brush Mower, refer to the mower's original documentation or the manufacturer's website.

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