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> ORALOCK Carburetor for Craftsman Yard Vac Model 24A-070H799 with Briggs & Stratton 6.5hp 190cc Engine - Instruction Manual

## ORALOCK 24A-070H799

# ORALOCK Carburetor for Craftsman Yard Vac Model 24A-070H799 with Briggs & Stratton 6.5hp 190cc Engine - Instruction Manual

Comprehensive guide for installation, operation, and maintenance of your replacement carburetor.

## 1. PRODUCT OVERVIEW

This ORALOCK replacement carburetor is designed for specific outdoor power equipment. It is compatible with the **Craftsman Yard Vac Model 24A-070H799** and engines such as the **Briggs & Stratton 6.5hp 190cc**. This component is crucial for the proper fuel-air mixture delivery to the engine, ensuring optimal performance and reliable starting.



*Image 1: The ORALOCK replacement carburetor, shown with included gaskets for installation. This component regulates the fuel and air mixture for engine combustion.*

### **Key Features:**

- Direct replacement for specified Craftsman and Briggs & Stratton models.
- Ensures correct fuel-air ratio for efficient engine operation.

- Constructed for durability and reliable performance.
- Includes necessary gaskets for a complete installation.

## 2. SAFETY INFORMATION

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Always prioritize safety when working with power equipment and fuel systems. Failure to follow safety instructions can result in serious injury or property damage.

- **Disconnect Spark Plug:** Before performing any maintenance or installation, always disconnect the spark plug wire to prevent accidental engine starting.
- **Fuel Handling:** Work in a well-ventilated area. Avoid open flames, sparks, or smoking. Use an approved container for draining fuel.
- **Eye Protection:** Wear safety glasses or goggles to protect your eyes from debris and fuel splashes.
- **Gloves:** Wear appropriate gloves to protect your hands from fuel and sharp edges.
- **Engine Cool Down:** Allow the engine to cool completely before working on it to prevent burns.
- **Read Manuals:** Refer to your equipment's original owner's manual for specific safety precautions and procedures.

## 3. INSTALLATION GUIDE

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This section provides general steps for replacing a carburetor. Specific procedures may vary slightly depending on your exact equipment model. Always refer to your equipment's service manual for detailed instructions.

### Tools Required:

- Socket wrench set
- Screwdriver set (flathead and Phillips)
- Pliers
- Fuel line clamp or pinch-off tool
- Clean rags
- Fuel-safe container

### Step-by-Step Installation:

1. **Prepare the Equipment:** Ensure the engine is cool. Disconnect the spark plug wire. Turn off the fuel supply valve, if present.
2. **Drain Fuel:** Place a fuel-safe container under the carburetor. Disconnect the fuel line from the carburetor and allow any remaining fuel to drain.
3. **Remove Air Filter Assembly:** Loosen and remove the bolts or clamps securing the air filter housing and air filter. Carefully detach any hoses or linkages connected to it.
4. **Disconnect Linkages and Hoses:** Note the position of all throttle linkages, choke linkages, and fuel lines connected to the old carburetor. Take photos if necessary for reassembly. Carefully disconnect them.
5. **Remove Old Carburetor:** Unbolt the carburetor from the engine block. There may be two or more bolts. Remove the old carburetor and any old gaskets.
6. **Clean Mounting Surfaces:** Thoroughly clean the engine block and intake manifold mounting surfaces to ensure a good seal with the new gaskets.
7. **Install New Gaskets:** Place the new gaskets provided with the ORALOCK carburetor onto the mounting surfaces. Ensure they are correctly oriented.
8. **Mount New Carburetor:** Position the new ORALOCK carburetor onto the engine block, aligning it with the bolt holes

and gaskets. Secure it with the bolts, tightening them evenly.

9. **Reconnect Linkages and Hoses:** Reattach all throttle and choke linkages, ensuring they move freely without binding. Reconnect the fuel line securely.
10. **Reinstall Air Filter Assembly:** Reattach the air filter housing and air filter. Ensure all connections are tight.
11. **Reconnect Spark Plug:** Reconnect the spark plug wire.



*Image 2: A typical lawnmower with its engine exposed, illustrating the type of equipment this carburetor is designed for. The carburetor is usually located near the air filter.*

## 4. OPERATING INSTRUCTIONS (AFTER INSTALLATION)

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After successfully installing the new carburetor, follow these steps to start and operate your equipment.

1. **Refill Fuel Tank:** Add fresh, appropriate fuel to the equipment's fuel tank.
2. **Open Fuel Valve:** If your equipment has a fuel shut-off valve, open it to allow fuel to flow to the carburetor.
3. **Prime (if applicable):** Some carburetors or engines have a primer bulb. Press it several times until fuel is visible in the bulb or fuel lines.
4. **Set Choke:** For a cold engine, set the choke to the "FULL CHOKE" position. For a warm engine, the choke may not be necessary or only partially needed.
5. **Start Engine:** Follow your equipment's specific starting procedure (e.g., pull starter cord, turn key).
6. **Adjust Choke:** Once the engine starts and runs smoothly, gradually move the choke lever to the "RUN" position.
7. **Warm-up:** Allow the engine to warm up for a few minutes before putting it under load.

## 5. MAINTENANCE

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

- **Fuel Quality:** Always use fresh, clean fuel. Stale fuel can cause deposits and clog carburetor passages. Consider using

a fuel stabilizer, especially during storage.

- **Fuel Filter:** Regularly inspect and replace the fuel filter (if equipped) to prevent contaminants from reaching the carburetor.
- **Air Filter:** Keep the air filter clean. A dirty air filter restricts airflow, leading to a rich fuel mixture and poor engine performance.
- **Storage:** Before long-term storage, either run the engine until it runs out of fuel or drain the fuel tank and carburetor bowl to prevent fuel degradation and gumming.
- **Carburetor Cleaning:** If performance issues arise, the carburetor may need cleaning. This typically involves disassembling the carburetor, cleaning passages with carburetor cleaner, and replacing gaskets. This is an advanced task and may require professional assistance.

## 6. TROUBLESHOOTING

If you encounter issues after installing the new carburetor, consult this troubleshooting guide. Always ensure safety precautions are followed before attempting any repairs.

Problem	Possible Cause	Solution
Engine will not start	No fuel, clogged fuel line/filter, incorrect choke setting, spark plug issue, air leak.	Check fuel level, ensure fuel valve is open. Inspect/replace fuel filter. Adjust choke. Check spark plug for fouling or damage. Verify all carburetor mounting bolts are tight.
Engine runs rough or stalls	Dirty carburetor, incorrect idle speed, air filter clogged, old fuel.	Clean or replace air filter. Use fresh fuel. Adjust idle screw (if accessible and necessary). Carburetor may require cleaning or adjustment by a professional.
Engine lacks power	Clogged fuel filter, dirty air filter, carburetor not adjusted correctly.	Check/replace fuel and air filters. Ensure carburetor linkages are moving freely.
Fuel leaks from carburetor	Loose connections, damaged gaskets, float needle issue.	Check all fuel line connections and carburetor mounting bolts for tightness. Inspect gaskets for damage and replace if necessary. Internal carburetor issue may require professional repair.

## 7. SPECIFICATIONS

- **Brand:** ORALOCK
- **Compatible Equipment:** Craftsman Yard Vac Model 24A-070H799
- **Compatible Engine:** Briggs & Stratton 6.5hp 190cc
- **Manufacturer Part Number:** description (as per product data, though this is generic)
- **UPC:** 776973283787
- **Recommended Use:** Replacement part for Lawn Mower / Yard Vac engines

## 8. WARRANTY AND SUPPORT

For specific warranty information regarding your ORALOCK carburetor, please refer to the product packaging or contact the seller directly. General return policies may apply as per the retailer's terms.

For technical assistance or further inquiries, please reach out to the ORALOCK customer support via the contact information provided with your purchase or on the official ORALOCK website.



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