

## HURI Carburetor

# HURI Carburetor Instruction Manual

For Craftsman and Yard Machines Snowblowers

## 1. INTRODUCTION

This manual provides essential instructions for the installation, operation, and maintenance of your new HURI Carburetor. This replacement carburetor is designed to restore optimal fuel delivery to your snowblower engine, ensuring efficient and reliable performance. Please read this manual thoroughly before attempting any installation or operation.

### Safety Information

- Always disconnect the spark plug wire before performing any maintenance or installation to prevent accidental engine startup.
- Ensure the engine is cool before working on the carburetor.
- Work in a well-ventilated area. Gasoline fumes are flammable.
- Wear appropriate personal protective equipment, such as gloves and eye protection.
- If you are unsure about any step, consult a qualified technician.

## 2. PACKAGE CONTENTS

Verify that all components listed below are present in your package:

- 1x Carburetor
- 1x Gasket
- 1x Fuel Line
- 2x Primer Bulbs
- 1x Fuel Filter



Image 2.1: All components included in the HURI Carburetor replacement kit. This includes the main carburetor unit, a black fuel line, two red primer bulbs, a black gasket, and a red fuel filter.

### 3. COMPATIBILITY

This HURI Carburetor is designed as a replacement part for various snowblower models. Please confirm your model number against the list below:

- **Craftsman Snowblower Models:** 536887994, 536.886260, 536.887992, 536.797480, 536.772300, 536.885213, 536.887995, 536.88110, 536.887993, 536.884900, 536.886190, 143-029003 (for 8hp, 9hp, 10hp, 11hp Tecumseh engines, 26" and 28" snow throwers)
- **Yard Machines MTD Snow Thrower Models:** 317E640F000, 31AE665E118
- Also compatible with 826 Snow Blower Thrower.

### 4. SETUP AND INSTALLATION

The following steps outline the general procedure for replacing a snowblower carburetor. Specific steps may vary slightly depending on your snowblower model. Refer to your snowblower's original service manual for detailed instructions specific to your equipment.

**Tools Required (Typical):**

- Socket wrench set
- Screwdrivers (flathead and Phillips)
- Pliers
- Fuel line clamps
- Drain pan for fuel

### **Installation Steps:**

1. **Prepare the Snowblower:** Ensure the engine is off and cool. Disconnect the spark plug wire. Turn off the fuel supply valve (if equipped) and drain any fuel from the tank into an approved container.
2. **Access the Carburetor:** Remove any engine covers, air filter housing, or other components that obstruct access to the carburetor. Note the routing of all hoses and linkages.
3. **Disconnect Components:** Carefully disconnect the fuel line, throttle linkage, and choke linkage from the old carburetor. Use fuel line clamps to prevent fuel leakage.
4. **Remove Old Carburetor:** Unbolt the old carburetor from the engine. Remove the old gasket.
5. **Install New Gasket:** Place the new gasket (included in the HURI kit) onto the engine mounting studs. Ensure it is correctly oriented.
6. **Mount New Carburetor:** Position the new HURI Carburetor onto the mounting studs, aligning it with the gasket. Secure it with the original nuts, tightening them evenly.
7. **Connect Components:** Reconnect the fuel line, throttle linkage, and choke linkage to the new carburetor. Ensure all connections are secure and linkages move freely without binding. Replace primer bulbs and fuel filter if necessary using the provided parts.
8. **Reassemble:** Reinstall any covers or air filter housing removed earlier.



Image 4.1: Side view of the HURI Carburetor, illustrating the throttle and choke linkage points. This view helps in identifying where control cables connect during installation.



Image 4.2: Front view of the HURI Carburetor, showing the air intake opening and the two mounting holes for attachment to the engine. This perspective is crucial for proper alignment.



Image 4.3: Rear view of the HURI Carburetor, highlighting the fuel inlet barb and the float bowl at the bottom. This is where the fuel line connects.

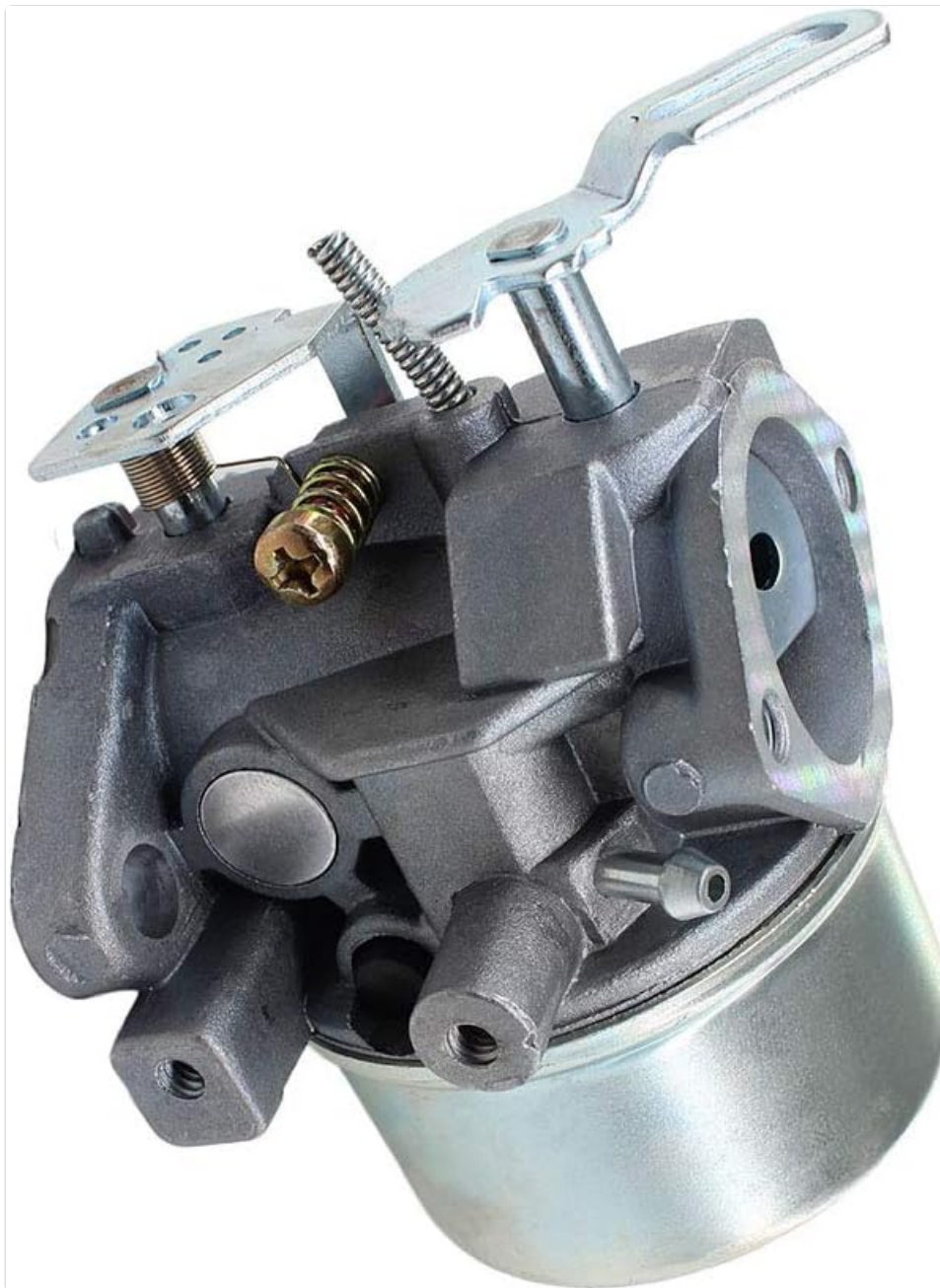


Image 4.4: Angled view of the HURI Carburetor, providing a comprehensive look at its various ports, screws, and overall construction. This view can assist in identifying specific components during installation.

## 5. OPERATING INSTRUCTIONS (AFTER CARBURETOR REPLACEMENT)

After successful installation, follow these steps to start your snowblower:

1. **Reconnect Spark Plug:** Reconnect the spark plug wire.
2. **Refill Fuel Tank:** Fill the fuel tank with fresh, appropriate fuel for your snowblower.
3. **Open Fuel Valve:** Open the fuel supply valve (if applicable).
4. **Prime the Carburetor:** Press the primer bulb 1 to 2 times. **Caution:** Over-priming can flood the carburetor and make starting difficult. If fuel begins to pour out, you have over-primed.
5. **Set Choke and Throttle:** Set the choke to the "FULL" or "START" position and the throttle to the "FAST" position.
6. **Start Engine:** Pull the starter cord firmly or engage the electric starter.
7. **Adjust Choke:** Once the engine starts and runs smoothly, gradually move the choke to the "OFF" or

"RUN" position.

## 6. MAINTENANCE

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

- **Fuel Quality:** Always use fresh, clean gasoline. 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 (a new one is included in your kit) to prevent contaminants from reaching the carburetor.
- **Storage:** Before long-term storage, run the engine until it runs out of fuel, or drain the fuel system completely to prevent gumming and varnish buildup in the 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 procedure and may require professional assistance.

## 7. TROUBLESHOOTING

If your snowblower experiences issues after carburetor replacement, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Engine won't start	No fuel, flooded engine, spark plug issue, incorrect choke setting.	Check fuel level. If flooded, wait 5-10 minutes, then try starting without choke. Check spark plug for fouling or damage. Ensure choke is set correctly.
Engine runs rough or stalls	Clogged fuel filter, old fuel, air leak, carburetor adjustment needed.	Replace fuel filter. Use fresh fuel. Check all carburetor mounting bolts and gaskets for air leaks. Carburetor adjustments are typically factory set; if needed, consult a professional.
Fuel leaks from carburetor	Improperly seated gasket, loose bolts, damaged float needle.	Check carburetor mounting bolts for tightness. Ensure gasket is correctly installed and not damaged. If problem persists, the float needle or seat inside the carburetor may be faulty.
Primer bulb not working	Cracked bulb, clogged fuel line to primer.	Replace the primer bulb (two are included in the kit). Check fuel lines for obstructions.

For issues not listed or if solutions do not resolve the problem, professional service may be required.

## 8. SPECIFICATIONS

- **Brand:** HURI
- **Product Type:** Replacement Carburetor
- **Compatible Engine Types:** 8hp, 9hp, 10hp, 11hp Tecumseh engines (as found in compatible snowblowers)
- **Fuel Type:** Gasoline
- **Item Weight:** Approximately 10.2 ounces

- **Package Dimensions:** Approximately 4.41 x 3.62 x 3.15 inches

## 9. WARRANTY AND SUPPORT

---

HURI products are manufactured to high standards. For specific warranty information regarding this carburetor, please refer to the documentation provided with your purchase or contact HURI customer support directly. Keep your proof of purchase for warranty claims.

For technical assistance or further inquiries, please visit the HURI official website or contact their customer service department. Contact details are typically available on the product packaging or the seller's information page.