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HOOAI HSSK40 HSSK50 HS50 LH195SA

HOOAI 640084B Carburetor Instruction Manual

For Tecumseh 5HP Engines, MTD, and TORO 521 Snow Blowers

1. Introduction

This manual provides essential instructions for the installation, operation, and maintenance of your HOOAI 640084B Carburetor. This carburetor is designed as a replacement part for various Tecumseh 4HP and 5HP engines, commonly found in snow blowers from brands like MTD and TORO. Proper installation and maintenance are crucial for optimal engine performance and longevity.

2. Compatibility

The HOOAI 640084B Carburetor is compatible with a range of engines and snow blower models. Please verify your engine and model number against the list below to ensure proper fitment.

- **Tecumseh Engines:** 632107, 640084, 640105, 640299, 632107A, 640084A, 640084B, 640299A, 640299B models, 4 & 5 HP Engines, HS50, HSK40, HSK50, HSSK40, HSSK50, HSSK55, LH195SA, LH195SP, OHSK110, OHSK120, OHSK125.
- **Snow Blower Models:**
  - **TORO:** 38035, 38052, 38054, 38052C, 38035C, 38056, 521 Snow Blowers.
  - **MTD:** SnowKing 5HP engines, various Craftsman and Yard Machines snow blowers.
  - **Stens:** 520-902.



Image: HOOAI 640084B Carburetor. This carburetor is designed for engine starting and operation in compatible snow blowers.

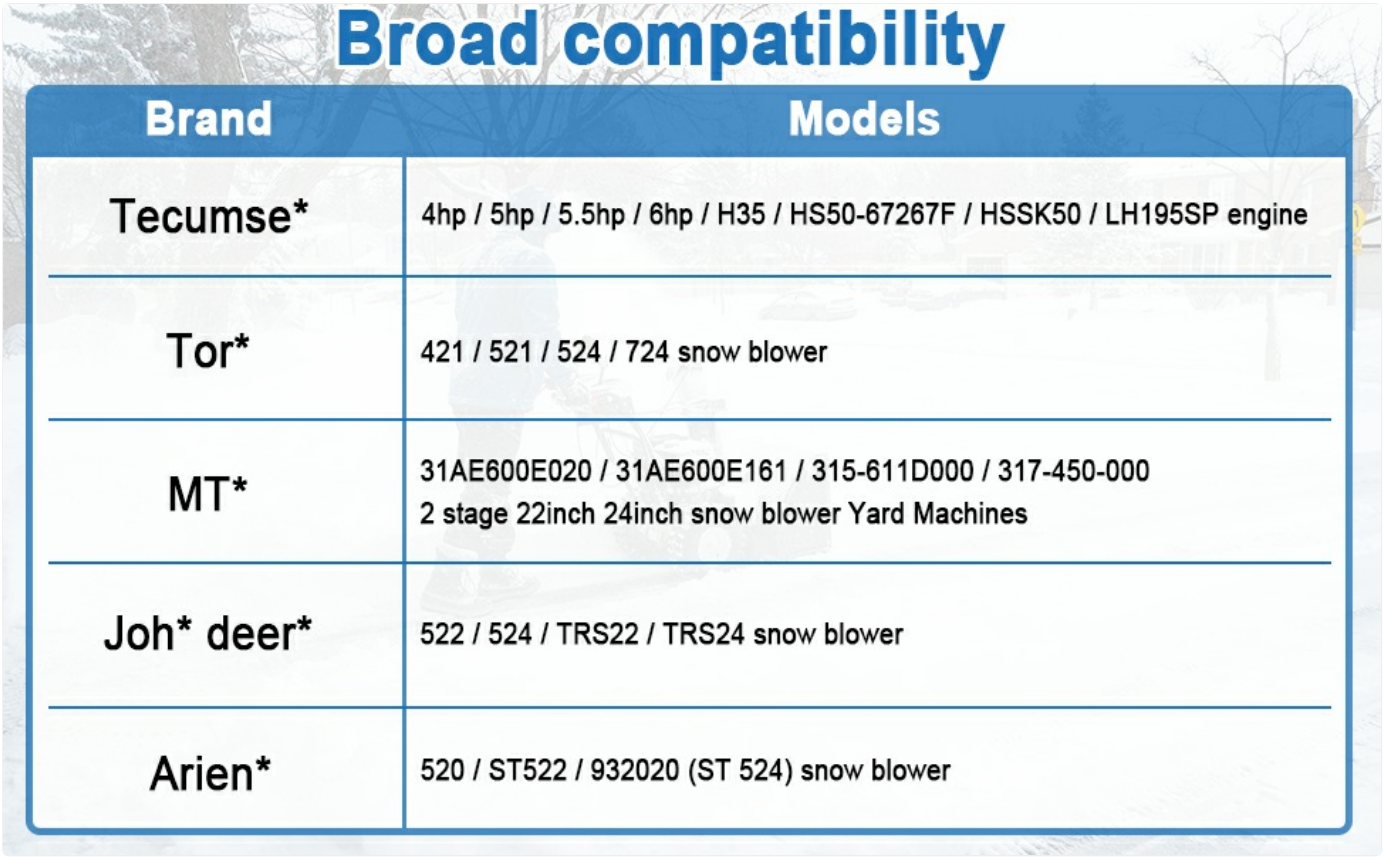


Image: Broad compatibility chart for the carburetor, listing various brands and models including Tecumseh, Toro, MT, John Deere, and Ariens snow blowers.

3. Package Contents

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

- 1 x 640084B Carburetor
- 1 x 1/4 inch Fuel Filter
- 1 x Inline Fuel Cut Off Valve
- 1 x Primer Bulb
- 4 x Line Clamps
- 1 x Paper Gasket
- 1 x ID 1/4 inch Fuel Line (approx. 30cm / 0.984 feet)
- 1 x ID 3/16 inch Fuel Line (approx. 35cm / 1.15 feet)
- 2 x Snow Blower Throttle Control Buttons



Image: Package contents for the HOOAI 640084B Carburetor kit.

4. Product Dimensions

Refer to the diagram below for key dimensions of the 640084B Carburetor to assist with installation and fitment verification.



Image: Detailed dimensions of the 640084B Carburetor.

5. Setup and Installation

Installation of the carburetor requires basic mechanical knowledge. Always ensure the engine is off and cool before beginning any work. Disconnect the spark plug wire to prevent accidental starting.

1. **Preparation:** Drain the fuel tank. Remove the air filter housing and any shrouds covering the carburetor.
2. **Disconnect Old Carburetor:** Carefully disconnect the fuel line, throttle linkage, and choke linkage from the old carburetor. Remove the mounting bolts.
3. **Remove Old Gaskets:** Ensure all old gasket material is removed from the engine and intake manifold surfaces.
4. **Install New Carburetor:** Place the new gasket(s) provided in the kit. Mount the new HOOAI 640084B Carburetor onto the engine, ensuring a snug fit.
5. **Connect Linkages:** Reconnect the throttle and choke linkages. Ensure they move freely and operate correctly.
6. **Install Fuel System Components:** Install the new fuel filter and inline fuel cut-off valve using the provided fuel lines and clamps. Connect the fuel line to the carburetor.

7. **Primer Bulb:** Install the new primer bulb if replacing the old one.
8. **Final Assembly:** Reinstall the air filter housing and any removed shrouds.
9. **Fuel and Test:** Refill the fuel tank with fresh fuel. Prime the carburetor as per your engine's instructions. Reconnect the spark plug wire and attempt to start the engine.



Image: Visual guide for carburetor installation, showing various connection points.

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Video: Official HOOAI-US Direct video demonstrating the Tecumseh 640084B Carburetor. This video provides a visual overview of the product and its components, which can aid in understanding its installation.

6. Operating the Carburetor (Post-Installation)

Once installed, the carburetor regulates the air-fuel mixture for your engine. Proper operation involves ensuring the engine starts, idles, and runs smoothly across its RPM range.

- **Choke Operation:** The carburetor features a four-position adjustable choke. Use the choke to enrich the fuel mixture for

cold starts. Gradually move the choke to the "run" position as the engine warms up.

- **Engine Starting:** Follow your snow blower's specific starting procedure, which typically involves priming the engine (if equipped with a primer bulb), setting the choke, and then pulling the recoil starter or using the electric start.
- **Smooth Running:** A properly installed and functioning carburetor will allow the engine to run smoothly without sputtering, stalling, or excessive smoke.

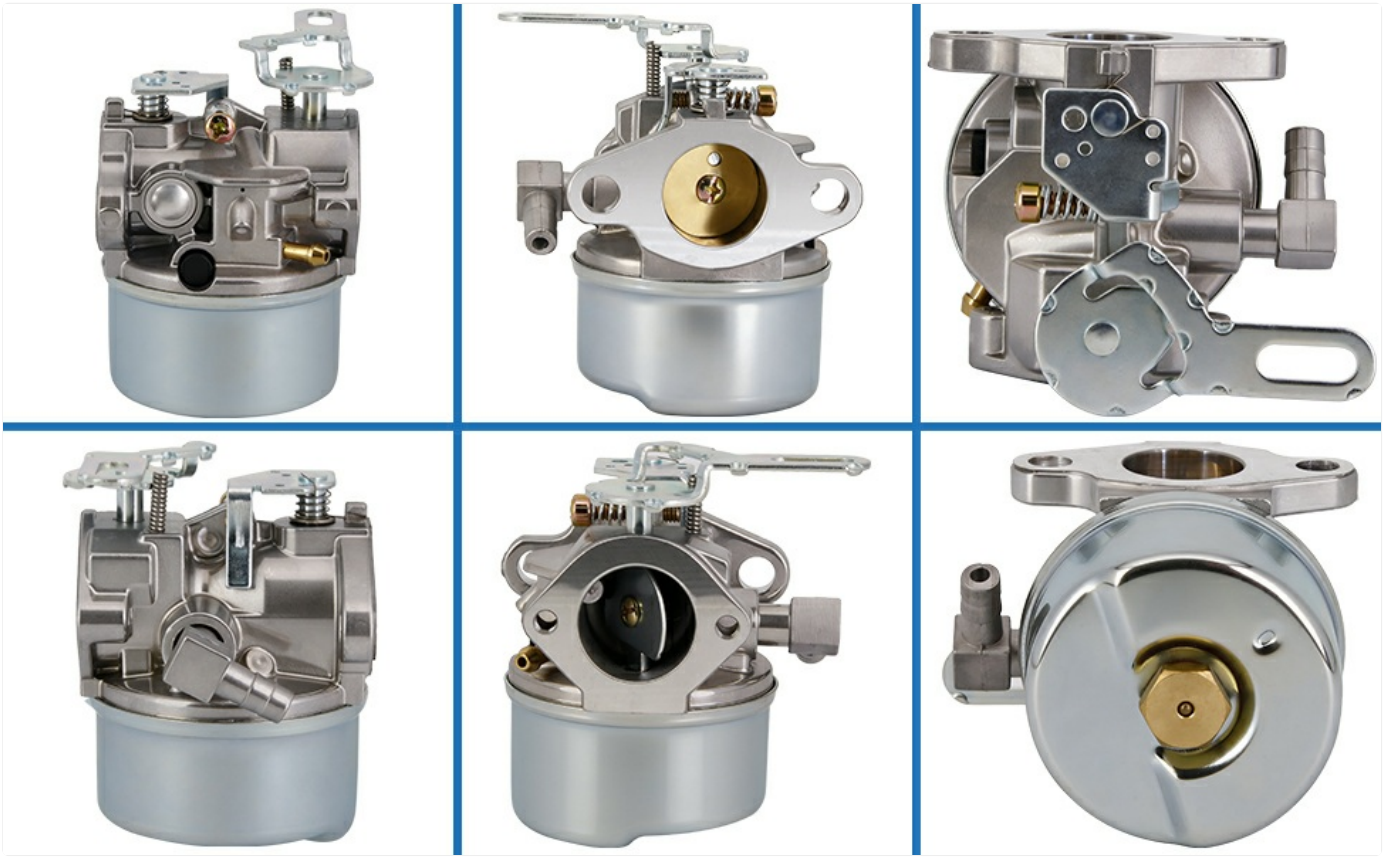


Image: A snowblower in operation, demonstrating the intended use of the carburetor for engine function.



Image: Illustration of the carburetor's four-position adjustable choke, detailing settings for optimal engine starting and running conditions.

7. Maintenance

Regular maintenance helps ensure the longevity and reliable 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 (included in the kit) to prevent contaminants from reaching the carburetor.
- **Air Filter:** Ensure the engine's air filter is clean and free of debris to allow proper airflow.
- **Storage:** Before long-term storage, run the engine until it runs out of fuel, or drain the fuel system to prevent fuel degradation and carburetor clogging.

8. Troubleshooting

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

Problem	Possible Cause	Solution
Engine won't start	No fuel, clogged fuel filter, incorrect choke setting, fouled spark plug.	Check fuel level, replace fuel filter, adjust choke, inspect/replace spark plug.
Engine runs rough or stalls	Dirty carburetor, improper fuel mixture, air leak, old fuel.	Ensure all connections are tight, use fresh fuel, clean carburetor if necessary.
Fuel leaks	Loose connections, damaged fuel line, faulty gasket.	Inspect all fuel lines and connections, replace damaged components or gaskets.

If issues persist, consult a qualified service technician or refer to your engine's specific service manual.

9. Specifications

- **Manufacturer:** HOOAI
- **Item Model Number:** HSSK40 HSSK50 HS50 LH195SA (referring to compatible engine models)
- **Item Weight:** 11.3 ounces
- **Package Dimensions:** 4.29 x 3.54 x 3.11 inches
- **Vehicle Service Type:** Snow Blower
- **Recommended Uses For Product:** Snowblower

10. Warranty and Support

HOOAI provides a carefree return policy and a 90-day money-back guarantee. A lifetime warranty is offered against manufacturer defects. For support or warranty claims, please contact HOOAI-US Direct through their official channels.
For additional information or assistance, you may visit the HOOAI Store on Amazon.

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