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› LIZAPUS Huayi OEM Carburetor Instruction Manual for Yard Machines Snow Throwers Models 31AS6BEE752, 31AS6BEE700, 31AS6BEF700

LIZAPUS 31AS6BEE752, 31AS6BEE700, 31AS6BEF700

LIZAPUS Huayi OEM Carburetor Instruction Manual

For Yard Machines Snow Throwers Models: **31AS6BEE752, 31AS6BEE700, 31AS6BEF700**

1. PRODUCT OVERVIEW

This manual provides instructions for the installation, operation, and maintenance of the LIZAPUS Huayi OEM Carburetor, a replacement component for specific Yard Machines snow thrower models. This carburetor is designed to restore optimal fuel delivery and engine performance.



Image 1: The Huayi OEM Carburetor, shown with a snow thrower, indicating its function in engine revitalization.

2. COMPATIBILITY AND FITMENT

This carburetor is specifically compatible with the following Yard Machines Snow Thrower models:

- Yard Machines 31AS6BEE752
- Yard Machines 31AS6BEE700
- Yard Machines 31AS6BEF700

It is designed as a direct replacement for Huayi 170SD and 175SC carburetors.

3. PACKAGE CONTENTS

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

- 1 x Carburetor

- 1 x Fuel Hose
- 1 x Fuel Filter
- 1 x Primer Bulb
- 3 x Gaskets

HUAYI OEM

The Same Performance as Original



Image 2: All components included in the replacement carburetor kit.

4. SPECIFICATIONS

Feature	Specification
Manufacturer	LIZAPUS (OEM Huayi)

Feature	Specification
Item Weight	9.6 ounces
Product Dimensions	4 x 4 x 4 inches
Mounting Hole Distance (Center to Center)	40mm / 1.57 inches
Central Bore Diameter	19mm / 0.74 inches
Replaces	Huayi 170SD, 175SC
UPC	790885815119

5. INSTALLATION (SETUP)

Carburetor replacement requires mechanical aptitude. If you are unsure about any steps, it is recommended to seek assistance from a qualified service technician. Always refer to your snow thrower's specific service manual for detailed instructions.

5.1 Safety Precautions

- Ensure the snow thrower engine is off and cool before beginning any work.
- Disconnect the spark plug wire to prevent accidental starting.
- Work in a well-ventilated area.
- Wear appropriate personal protective equipment, such as gloves and eye protection.
- Drain the fuel tank before removing fuel lines.

5.2 General Installation Steps

1. **Access the Carburetor:** Locate and remove any engine covers, air filter housings, or other components that obstruct access to the existing carburetor.
2. **Disconnect Fuel Lines:** Carefully disconnect the fuel lines from the old carburetor. Be prepared for fuel spillage and have rags ready.
3. **Disconnect Linkages:** Detach any throttle linkages, choke linkages, or other connections from the old carburetor. Note their positions for correct reassembly.
4. **Remove Old Carburetor:** Unbolt the old carburetor from the engine manifold. Ensure all old gaskets are removed from the mounting surfaces.
5. **Prepare New Carburetor:** Install the new gaskets provided in the kit onto the new carburetor, ensuring they are correctly oriented.
6. **Install New Carburetor:** Mount the new carburetor onto the engine manifold, ensuring a snug fit. Tighten mounting bolts evenly to prevent air leaks.
7. **Reconnect Linkages:** Reattach all throttle and choke linkages to the new carburetor in their original positions. Verify smooth operation.
8. **Reconnect Fuel Lines:** Connect the new fuel hose and fuel filter (if replacing) to the carburetor and fuel tank. Secure with clamps if necessary.
9. **Install Primer Bulb:** If replacing, install the new primer bulb.
10. **Reassemble:** Reinstall any removed engine covers or air filter housings.



Image 3: Detailed view of the carburetor, highlighting key connection points for installation.

5.3 Initial Start-up

- Refill the fuel tank with fresh, clean fuel.
- Reconnect the spark plug wire.
- Prime the carburetor several times until fuel is visible in the primer bulb or fuel lines.
- Start the engine according to your snow thrower's operating instructions.
- Allow the engine to warm up and check for any fuel leaks or abnormal operation.

6. OPERATION

The carburetor is a critical component responsible for mixing air and fuel in the correct proportions for combustion. Once properly installed, it operates automatically to deliver the fuel mixture to the engine based on throttle input and engine demand. Proper

operation relies on clean fuel and a well-maintained air filter.

7. MAINTENANCE

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

- **Fuel Quality:** Always use fresh, clean, unleaded gasoline. Stale or contaminated fuel is a primary cause of carburetor issues. Consider using a fuel stabilizer, especially during storage.
- **Fuel Filter:** Inspect and replace the fuel filter annually or more frequently if operating in dusty conditions. A clogged fuel filter can restrict fuel flow to the carburetor.
- **Air Filter:** Regularly clean or replace the air filter as per your snow thrower's manual. A dirty air filter can cause a rich fuel mixture and poor engine performance.
- **Storage:** Before long-term storage (e.g., off-season), drain the fuel system or run the engine until it runs out of fuel to prevent gum and varnish buildup in the carburetor.

8. TROUBLESHOOTING

If your snow thrower experiences issues after carburetor replacement, consider the following common troubleshooting steps:

- **Engine Not Starting:**
 - Check for fuel in the tank.
 - Ensure the primer bulb is working and fuel is reaching the carburetor.
 - Verify the spark plug is connected and in good condition.
 - Confirm choke and throttle linkages are correctly attached and operating freely.
- **Rough Idle or Stalling:**
 - Check for air leaks around the carburetor mounting gaskets.
 - Ensure the air filter is clean.
 - Verify fuel quality.
- **Lack of Power:**
 - Inspect the fuel filter for clogs.
 - Ensure the choke is fully open when the engine is warm.

For persistent issues, consult your snow thrower's service manual or a professional technician.

9. WARRANTY AND SUPPORT

For information regarding warranty coverage or technical support for your LIZAPUS Huayi OEM Carburetor, please refer to the product packaging or contact the seller directly through your purchase platform. Ensure you have your purchase details and product model numbers available when contacting support.

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