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Hipa XT675 XT650

Hipa XT675 149CC Auto Choke Carburetor Instruction Manual

Brand: Hipa | Model: XT675 XT650

INTRODUCTION

This manual provides instructions for the installation, operation, maintenance, and troubleshooting of the Hipa XT675 149CC Auto Choke Carburetor. This carburetor is designed as a replacement part for various lawn mower engines, including specific Kohler XT675 and XT650 models, Toro 20371, Husqvarna, and MTD engines. It replaces Kohler part number 14 853 55-S.

Before proceeding with installation, carefully review the compatibility information and compare your existing carburetor with the images provided to ensure proper fitment.

Carburetor for Toro 22 inch Recycler

14 853 55-S
(You're buying)



14 853 68-S



The choke lever on the top of carburetors are different
which are completely different in use

Note: Please compare the choke lever and MPN before making order.

Image: Comparison of the Hipa XT675 carburetor (14 853 55-S) with another model (14 853 68-S) for Toro 22-inch Recycler mowers, emphasizing differences in the choke lever for compatibility verification.

CARBURETOR WITH OR WITHOUT AUTO CHOKE



VS



14 853 55-S



14 853 49-S

Image: Comparison showing the Hipa XT675 carburetor with an auto choke mechanism (left) versus a carburetor without (right), highlighting the distinct choke lever. Ensure your original carburetor has the auto choke feature for proper replacement.

SETUP AND INSTALLATION

This carburetor is factory-tuned and typically requires no adjustment upon installation. The package includes one auto choke carburetor, one spark plug, and two mounting gaskets.

Required Tools:

- Wrench set
- Screwdriver set (if applicable for cover/base removal)
- Pliers (for hose clamps, if present)

Installation Steps:

1. **Preparation:** Ensure the engine is cool and disconnect the spark plug wire to prevent accidental starting. Turn off the fuel supply.

2. **Access:** Carefully remove any engine covers or air filter assemblies that obstruct access to the carburetor.
3. **Disconnect:** Disconnect the fuel line, throttle linkage, and choke linkage from the old carburetor. Be mindful of any fuel spills and have rags ready.
4. **Remove Old Carburetor:** Unbolt and remove the old carburetor from the engine. Remove and discard the old gaskets.
5. **Install New Carburetor:** Place new gaskets in position. Install the Hipa XT675 carburetor, ensuring all mounting bolts are securely tightened.
6. **Reconnect:** Reconnect the fuel line, throttle linkage, and choke linkage to the new carburetor. Ensure all connections are secure and free of leaks.
7. **Re-assemble:** Re-install any removed engine covers or air filter assemblies.
8. **Spark Plug Replacement:** If replacing the spark plug, remove the old one and install the new spark plug provided, tightening it to the manufacturer's specifications.
9. **Final Check:** Double-check all connections and ensure no tools or debris are left in the engine area.



**ARRIVES READY
TO RUN**

Factory precisely tuned
No adjustment needed

Image: The Hipa XT675 carburetor, indicating it is factory-tuned and ready for installation without further adjustment.

OPERATING INSTRUCTIONS

After successful installation, ensure the fuel tank is filled with fresh, appropriate fuel for your engine. Reconnect the spark plug wire. The auto choke feature of this carburetor is designed to assist with cold starts. Follow your engine manufacturer's specific starting procedures, which typically involve:

- Engaging the choke (if manual override is present, otherwise the auto choke will manage).
- Setting the throttle to the 'Start' or 'Fast' position.
- Pulling the starter cord or engaging the electric starter.

Allow the engine to warm up briefly before engaging any attachments or beginning work. The auto choke will gradually disengage as the engine reaches operating temperature.

MAINTENANCE

Regular maintenance of your engine's fuel system is crucial for optimal performance and longevity of the carburetor. Consider the following:

- **Fuel Quality:** Always use fresh, clean fuel. Stale or contaminated fuel is a primary cause of carburetor issues. Consider using a fuel stabilizer, especially during storage periods.
- **Fuel Filter:** Regularly inspect and replace the fuel filter according to your engine manufacturer's recommendations. A clogged fuel filter can restrict fuel flow to the carburetor.
- **Fuel Lines:** Periodically inspect fuel lines for cracks, leaks, or deterioration. Replace as needed. Cleaning fuel lines can prevent debris from reaching the carburetor.
- **Air Filter:** Ensure the air filter is clean and properly installed. A dirty air filter can cause the engine to run rich and affect carburetor performance.
- **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

Many engine starting and running difficulties are related to the carburetor or fuel system. If your engine exhibits the following symptoms, consider these troubleshooting steps:

- **Engine Starts, Then Dies (especially in choked condition):** This often indicates a fuel delivery issue.
- **Engine Requires Starting Fluid to Run:** Suggests insufficient fuel flow from the carburetor.
- **Engine Only Runs with Choke Engaged:** Points to a lean fuel mixture, often due to a clogged main jet or fuel passage.

Troubleshooting Steps:

1. **Check Fuel:** Ensure there is fresh, clean fuel in the tank.
2. **Inspect Fuel Filter and Lines:** Verify the fuel filter is not clogged and fuel lines are clear and undamaged.
3. **Spark Plug:** Check the spark plug for fouling or damage. Replace if necessary (a new one is included with this carburetor).
4. **Gaskets:** Ensure the carburetor mounting gaskets are properly seated and not leaking, which could cause air leaks and a lean condition.
5. **Air Filter:** Confirm the air filter is clean and allows proper airflow.

If these steps do not resolve the issue, further inspection by a qualified technician may be required.

SPECIFICATIONS

The Hipa XT675 149CC Auto Choke Carburetor is engineered for dependable engine performance, featuring quality materials resistant to heat, corrosion, and wear.

Feature	Specification
Model Number	XT675 XT650
Replacement for Kohler Part No.	14 853 55-S
Engine Compatibility	Kohler XT675, XT650, Toro 20371 149cc, Husqvarna, MTD engines
Mounting Hole Distance (Center to Center)	41mm
Throttle Bore Diameter	16mm
Choke Bore Diameter	24mm
Fuel Inlet Line Diameter	7.8mm
Fuel Type	Gasoline
Included Components	1 Auto Choke Carburetor, 1 Spark Plug, 2 Mounting Gaskets
Materials	Brass components, zinc plated float bowl, high-density plastic float, anodized aluminum carburetor body



Image: Diagram illustrating key dimensions of the Hipa XT675 carburetor, including mounting hole distance, throttle bore diameter, choke bore diameter, and fuel inlet line diameter.

SUPPORT

For further assistance, technical inquiries, or if you have questions regarding product compatibility, please contact Hipa customer support through your retailer or the official Hipa website. Always provide your product model number and any relevant engine information when seeking support.

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