

Hipa 14-853-36-S

Hipa XT675 Carburetor Kit Instruction Manual

For Kohler Courage XT-6, XT-7, XT650, XT6.5, XT6.75 Engines

Introduction	Compatibility	Features	Dimensions	Setup	Operating	Maintenance	Troubleshooting	Specifications	Warranty
				& Support					

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Hipa XT675 Carburetor Kit. This kit is designed to replace the carburetor in various Kohler Courage XT-6, XT-7, XT650, XT6.5, and XT6.75 engines, restoring optimal performance to your lawn mower or other outdoor power equipment.

The kit includes all necessary components for installation, eliminating the need for separate purchases.



ALL-IN-ONE KIT

Saving You Time And Money On Individual Purchases

Image 1.1: The Hipa XT675 Carburetor Kit, showing all included components such as the carburetor, air filter, fuel filter, fuel line, shut-off valve, gaskets, and clamps.

2. COMPATIBILITY INFORMATION

This Hipa carburetor kit is compatible with specific Kohler Courage XT-6, XT-7, XT650, XT149, XT173, and XT800 engines. Please verify your engine's model and part number before installation to ensure proper fitment.

2.1. Carburetor Compatibility

- Replaces Kohler Carburetor Part Numbers: 14 853 49-S, 14 853 36-S, 14 853 43-S, 14 853 47-S, 14 853 59-S.
- **Note:** This kit is **not** compatible with Kohler Carburetor Part Numbers 14 853 68-S or 14 853 55-S.



Save yourself the hassle of returns and exchanges by double-checking your engine's model number and part number before ordering any parts

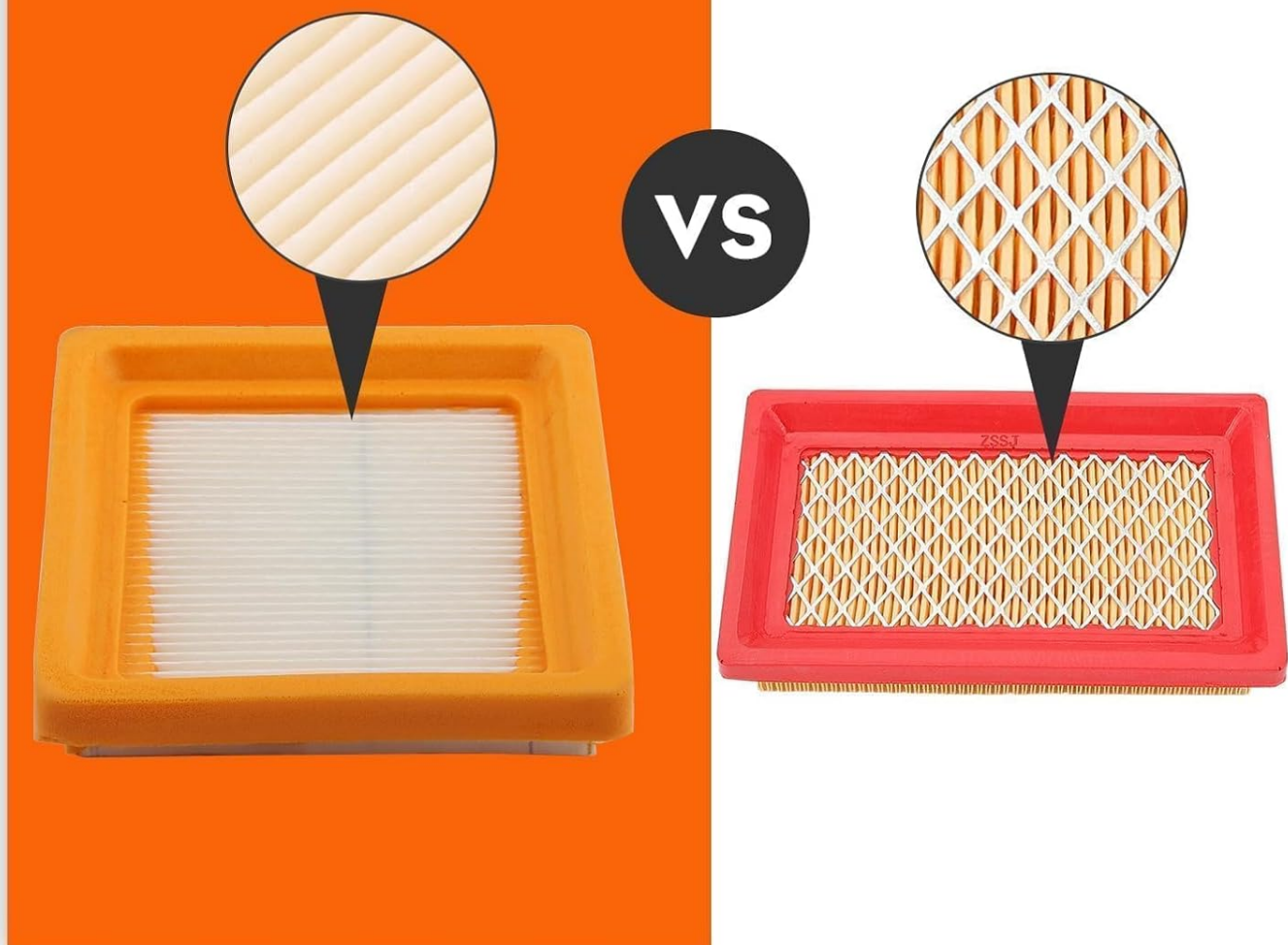
Image 2.1: Visual comparison of compatible carburetors (14 853 36-S, 14 853 49-S) versus incompatible models (14 853 55-S, 14 853 68-S). Always cross-reference part numbers.

2.2. Air Filter Compatibility

- Replaces Kohler Air Filter Part Numbers: 14 083 15-S, 14 083 16-S.
- **Note:** This kit is **not** compatible with Kohler Air Filter Part Numbers 14 083 01-S or 14 083 22-S.

14 083 15-S 14 083 16-S

14 083 01-S 14 083 22-S



Save yourself the hassle of returns and exchanges by double-checking your engine's model number and part number before ordering any parts.

Image 2.2: Visual comparison of compatible air filters (14 083 15-S, 14 083 16-S) versus incompatible models (14 083 01-S, 14 083 22-S). Ensure your existing air filter matches the compatible types.

2.3. Engine Model Compatibility

- Compatible with Kohler XT675, XT650, XT149 20371, XT173, XT800 engines.
- Also fits older versions of Kohler Courage XT6 and XT7 Engines.
- Specific XT650 models: XT650-2013, XT650-2015, XT650-3014, XT650-3016.
- Specific XT675 models: XT675-0005, XT675-0013, XT675-0022, XT675-2011, XT675-2014, XT675-2015, XT675-2017, XT675-2019, XT675-3001, XT675-3012, XT675-3016, XT675-3018.

3. PRODUCT FEATURES

The Hipa XT675 Carburetor Kit is engineered to provide reliable performance and efficient operation for your engine.

- **Optimized Engine Performance:** Designed to facilitate quick starts, fast acceleration, and stable RPMs.
- **Pre-tuned for Convenience:** The carburetor is factory-tuned and typically requires no further adjustments before installation.
- **Quality Construction:** Constructed with durable materials including brass components, composite rubber diaphragms, and an anodized aluminum body for resistance to heat, corrosion, and wear.
- **Rigorous Testing:** Each carburetor undergoes wet flow testing to ensure reliable engine performance under various conditions.

BRING YOUR ENGINE BACK TO LIFE



**QUICK
START**



**FAST
ACCELERATE**



**STABLE
RPM**



**LOW FUEL
CONSUMPTION**



Image 3.1: Visual representation of the carburetor's performance benefits, including quick starting, fast acceleration, stable RPM, and low fuel consumption.

ARRIVES READY TO RUN



Factory precisely tuned
No adjustment needed

Image 3.2: The carburetor is factory-tuned, ensuring it is ready for immediate installation and operation without requiring adjustments.

PRODUCT DETAILS



Image 3.3: Detailed views of the Hipa XT675 carburetor from various angles, highlighting its construction and components.

4. PRODUCT DIMENSIONS

Refer to the following dimensions to ensure proper fitment for your engine.



DIMENSIONS FOR A PERFECT FIT

Mounting Hole Distance (Center to Center):	41mm
Throttle Diameter:	16mm
Choke Diameter:	24mm
Fuel Inlet Line size:	7.8mm



Image 4.1: Diagram illustrating key dimensions of the Hipa XT675 Carburetor for accurate fitment.

Measurement	Value
Mounting Hole Distance (Center to Center)	41 mm
Throttle Diameter	16 mm
Choke Diameter	24 mm
Fuel Inlet Line Size	7.8 mm

5. SETUP AND INSTALLATION

Proper installation is crucial for the correct function of the carburetor. If you are unsure about any steps, consult a qualified technician.

5.1. Safety Precautions

- Ensure the engine is cool and disconnected from 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.
- Have a fire extinguisher nearby when working with fuel.

5.2. Preparation

1. Drain the fuel tank completely into an approved container.
2. Clean the area around the carburetor to prevent debris from entering the engine.
3. Gather necessary tools (wrenches, screwdrivers, pliers).

5.3. Removal of Old Carburetor

1. Disconnect the fuel line from the old carburetor. Use the included shut-off valve to prevent fuel flow if not already drained.
2. Carefully disconnect any linkages, springs, or wires attached to the carburetor. Take photos if needed for reassembly reference.
3. Unbolt the old carburetor from the engine manifold. Note the position of any gaskets.
4. Remove the old air filter and housing if necessary.

5.4. Installation of New Carburetor

1. Install the new gaskets provided in the kit, ensuring they are correctly seated between the carburetor and the engine manifold.
2. Mount the new Hipa carburetor onto the engine, aligning it with the mounting studs or bolt holes. Secure with bolts, tightening evenly.
3. Reconnect all linkages, springs, and wires to their correct positions on the new carburetor.
4. Install the new fuel line and fuel filter. Secure connections with the provided clamps.
5. Install the new air filter into the air filter housing.

5.5. Final Checks

1. Double-check all connections for tightness and proper routing.
2. Ensure no tools or debris are left near moving engine parts.
3. Reconnect the spark plug wire.
4. Refill the fuel tank with fresh, appropriate fuel.



HIPA

Hipa Carburetor for Kohler XT650
XT6.5 XT6.75 XT675 Lawn Mower
Engine Parts 14-853-21-S 14-853-36-S
14-853-43-S 14-853-49-S 14-853-47-S 14-853-59-S

Image 5.1: The Hipa XT675 Carburetor shown in context with a lawnmower engine, illustrating the general area of installation.

6. OPERATING INSTRUCTIONS

After successful installation, follow your engine manufacturer's guidelines for starting and operating your equipment. The Hipa carburetor is designed for optimal performance without requiring adjustments.

6.1. Starting the Engine

- Ensure the fuel shut-off valve is in the 'ON' position.
- Set the choke lever (if applicable) according to your engine's starting procedure (usually 'FULL CHOKE' for cold starts).
- Set the throttle to the appropriate starting position.
- Pull the starter rope firmly or engage the electric starter until the engine starts.
- Once the engine starts, gradually move the choke lever to the 'OFF' position as the engine warms up.

6.2. Running the Engine

- Allow the engine to warm up for a few minutes before engaging in work.
- Operate the engine at the recommended RPM for your equipment.
- Monitor engine sound and performance for any irregularities.

6.3. Shutting Down the Engine

- Reduce the engine speed to idle.
- Turn off the engine using the designated switch.
- For storage, turn the fuel shut-off valve to the 'OFF' position and run the engine until it runs out of fuel to prevent fuel system issues.

7. MAINTENANCE

Regular maintenance of your engine and carburetor components will ensure longevity and consistent performance.

7.1. Air Filter Maintenance

- Inspect the air filter regularly, especially in dusty conditions.
- Clean or replace the air filter as recommended by your engine manufacturer or when it appears dirty. A clogged air filter can restrict airflow and affect carburetor performance.

7.2. Fuel Filter Maintenance

- Check the fuel filter periodically for debris or discoloration.
- Replace the fuel filter annually or if it appears clogged to ensure a clean fuel supply to the carburetor.

7.3. Fuel System Care

- Always use fresh, clean fuel.
- Consider using a fuel stabilizer if storing the equipment for extended periods.
- Drain the fuel system before long-term storage to prevent fuel degradation and carburetor issues.



ALL-IN-ONE KIT

Saving You Time And Money On Individual Purchases

Image 7.1: The components of the Hipa XT675 Carburetor Kit, including the air filter and fuel filter, which require regular inspection and replacement as part of routine maintenance.

8. TROUBLESHOOTING COMMON ISSUES

If you encounter problems with your engine after installing the Hipa carburetor, refer to the following table for common issues and potential solutions.

COMMON ENGINE PROBLEMS

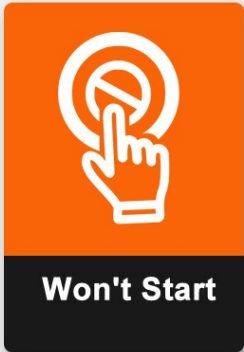


Image 8.1: Visual representation of common engine problems that can be related to carburetor function.

Problem	Possible Cause	Solution
Engine Won't Start	No fuel, clogged fuel filter, spark plug issue, incorrect choke setting.	Check fuel level and shut-off valve. Replace fuel filter. Inspect/replace spark plug. Adjust choke.
Engine Starts Then Stalls	Clogged fuel filter, dirty air filter, improper choke adjustment, old fuel.	Replace fuel filter. Clean/replace air filter. Adjust choke. Use fresh fuel.
Fuel Leaks from Carburetor	Improperly seated gaskets, loose connections, damaged float.	Check gasket seating and tighten mounting bolts. Inspect fuel line connections. If leak persists, carburetor may need inspection by a professional.
Engine Runs Rough / Lacks Power	Dirty air filter, clogged fuel filter, old fuel, spark plug issue.	Clean/replace air filter. Replace fuel filter. Use fresh fuel. Inspect/replace spark plug.

If these troubleshooting steps do not resolve the issue, it is recommended to consult a qualified small engine mechanic.

9. TECHNICAL SPECIFICATIONS

Specification	Detail
Brand	Hipa
Model Number (Carburetor)	14-853-36-S (Replaces 14-853-49-S and others)
Item Type	Carburetor Kit
Material	Brass components, composite rubber diaphragms, anodized aluminum body
Included Components	Carburetor, air filter, fuel filter, fuel line, shut-off valve, gaskets, clamps

10. WARRANTY INFORMATION

Hipa products are manufactured to high-quality standards. For specific warranty details regarding your Hipa XT675 Carburetor Kit, please refer to the product packaging or contact Hipa customer support directly. Typically, replacement parts come with a limited warranty covering manufacturing defects.

11. CUSTOMER SUPPORT

If you have any questions, require assistance with installation, or need to report a product issue, please contact Hipa customer support through the retailer where the product was purchased or visit the official Hipa website for contact information.
For additional resources and product information, you may visit the [Hipa Store on Amazon](#).

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

<https://manuals.plus/asin/B0CW2YYXL8N>

More documents and user manuals: <https://manuals.plus/>