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Saihisday 1485349-S

Saihisday 1485349-S Carburetor Kit Instruction Manual

For Kohler XT650, XT675 Series, Courage XT6, XT7 Engines

Introduction

This manual provides instructions for the installation, operation, and maintenance of the Saihisday 1485349-S Carburetor Kit. This kit is designed to restore optimal performance to compatible Kohler lawn mower engines. Please read all instructions carefully before proceeding with installation or maintenance.

Safety Information

Always prioritize safety when working with engine components and fuel systems. Failure to follow safety precautions can result in serious injury or property damage.

- Ensure the engine is cool and turned off before beginning any work.
- Disconnect the spark plug wire to prevent accidental starting.
- Work in a well-ventilated area to avoid inhaling fuel fumes.
- Wear appropriate personal protective equipment, including gloves and eye protection.
- Handle fuel with extreme care. Keep away from open flames, sparks, and heat sources.
- Dispose of old fuel and parts according to local regulations.

Compatibility

This carburetor kit is a replacement for the following Kohler engine part numbers and models. It is specifically designed for engines that utilize a vacuum choke pull-off mechanism.
Replaces Part Numbers:

- 14 853 49-S
- 14 853 59-S
- 14 853 47-S
- 14 853 43-S
- 14 853 36-S
- 14 853 21-S

Compatible Engine Models:

- Kohler XT650 Series (e.g., XT650-2027, XT650-2029, XT650-2031, XT650-3018, XT650-3028, XT650-3030, XT650-3034)
- Kohler XT675 Series (e.g., XT675-0041, XT675-2034, XT675-2037, XT675-2044, XT675-2070, XT675-2075, XT675-3035, XT675-3038, XT675-3043, XT675-3045, XT675-3066, XT675-3071, XT675-3076, XT675-3085, XT675-3086)
- Kohler Courage XT6 Engines
- Kohler Courage XT7 Engines

Air Filter Replacement for:

- 14 083 15-S
- 14 083 16-S

Package Contents

The Saihisday 1485349-S Carburetor Kit includes the following components:

- 1 x Carburetor
- 1 x Air Filter
- 1 x Fuel Filter
- 2 x Fuel Line
- 1 x Shut Off Valve
- 2 x Gasket
- 4 x Clamp



Image: Complete contents of the Saihisday 1485349-S Carburetor Kit, including the carburetor, air filter, fuel filter, fuel lines, shut-off valve, gaskets, and clamps.

Setup and Installation

Installation of the carburetor kit requires careful attention to detail. Professional installation is recommended to ensure proper function and avoid damage to the engine.

1. **Preparation:** Ensure the engine is off and cool. Disconnect the spark plug wire. Place a drip pan under the carburetor area to catch any spilled fuel.
2. **Remove Old Components:**
    - Carefully remove the air filter housing and old air filter.
    - Disconnect the fuel line from the old carburetor. Use clamps to prevent fuel leakage if the tank is not empty.
    - Remove any linkages or wires connected to the carburetor.
    - Unbolt and remove the old carburetor and gaskets. Note the orientation of all components for reassembly.

3. **Install New Carburetor:**
    - Place the new gaskets in their correct positions.
    - Mount the new carburetor, ensuring all mounting bolts are tightened securely but not over-tightened.
    - Reconnect all linkages and wires to the new carburetor.



Image: Front view of the Saihisday 1485349-S Carburetor, showing the air intake and fuel inlet.

4. **Install Fuel System Components:**
    - Replace the old fuel lines with the new ones provided, using the new clamps for a secure fit.
    - Install the new fuel filter in the fuel line, ensuring the flow direction is correct (if indicated).
    - Install the shut-off valve in an accessible location along the fuel line.
    - Connect the fuel line to the carburetor.
5. **Install Air Filter:**

- Insert the new air filter into the air filter housing.
- Reattach the air filter housing to the engine.



Image: The new air filter, featuring a pleated paper element within an orange frame, designed for efficient air filtration.

6. **Final Checks:** Double-check all connections for tightness and ensure there are no fuel leaks. Reconnect the spark plug wire.

Operating Instructions

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

1. Ensure the fuel shut-off valve is in the open position.
2. Fill the fuel tank with fresh, appropriate fuel for your engine.
3. Set the choke to the appropriate starting position (usually full choke for a cold engine).
4. Start the engine according to your lawn mower's manufacturer instructions (e.g., pull cord or electric start).
5. Once the engine starts, gradually move the choke to the run position as the engine warms up.
6. Allow the engine to run for a few minutes to ensure stable operation.

Maintenance

Regular maintenance of your carburetor kit components will ensure long-lasting performance.

- **Air Filter:** Inspect the air filter regularly (e.g., every 25 operating hours or annually, whichever comes first).

Replace it if it appears dirty or clogged. A dirty air filter can restrict airflow and affect engine performance.

- **Fuel Filter:** Replace the fuel filter annually or if you notice reduced fuel flow or engine sputtering.
- **Fuel Lines:** Periodically check fuel lines for cracks, leaks, or hardening. Replace as needed to prevent fuel leaks.
- **Carburetor Cleaning:** If the engine experiences issues like rough idling, stalling, or difficulty starting, the carburetor may require cleaning. This is an advanced procedure and may require professional assistance.

Troubleshooting

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

Problem	Possible Cause	Solution
Engine will not start	• No fuel or stale fuel • Choke not set correctly • Spark plug issue • Fuel shut-off valve closed	• Check fuel level and quality. • Adjust choke position. • Inspect/replace spark plug. • Open fuel valve.
Engine runs rough or stalls	• Air filter clogged • Fuel filter clogged • Carburetor adjustments needed • Vacuum leak	• Replace air filter. • Replace fuel filter. • Consult engine manual for carburetor adjustment procedures or seek professional help. • Check all connections for tightness.
Fuel leaks	• Loose fuel line connections • Damaged gaskets • Cracked fuel line	• Tighten clamps and connections. • Ensure gaskets are properly seated. • Replace damaged fuel lines.

If problems persist after troubleshooting, it is recommended to consult a qualified small engine mechanic.

Specifications

- **Brand:** Saihisday
- **Model Number:** 1485349-S (also replaces 14 853 49-S)
- **UPC:** 743815280037
- **Recommended Use:** Lawn Mower Engines
- **Compatibility Note:** For engines with a vacuum choke pull-off only.

Warranty and Support

Specific warranty details for this product are not provided in this manual. For warranty information or technical support, please refer to the product packaging or contact Saihisday customer service directly. Keep your purchase receipt for warranty claims.

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