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Stens 615-715

Stens OEM Carburetor Kit 615-715 for Walbro K20-HD Instruction Manual

Model: 615-715

Introduction

This instruction manual provides essential information for the proper installation, maintenance, and troubleshooting of the Stens OEM Carburetor Kit 615-715. This kit is designed to replace worn or damaged components in specific Walbro carburetors, restoring optimal engine performance. Please read this manual thoroughly before proceeding with any installation or maintenance.

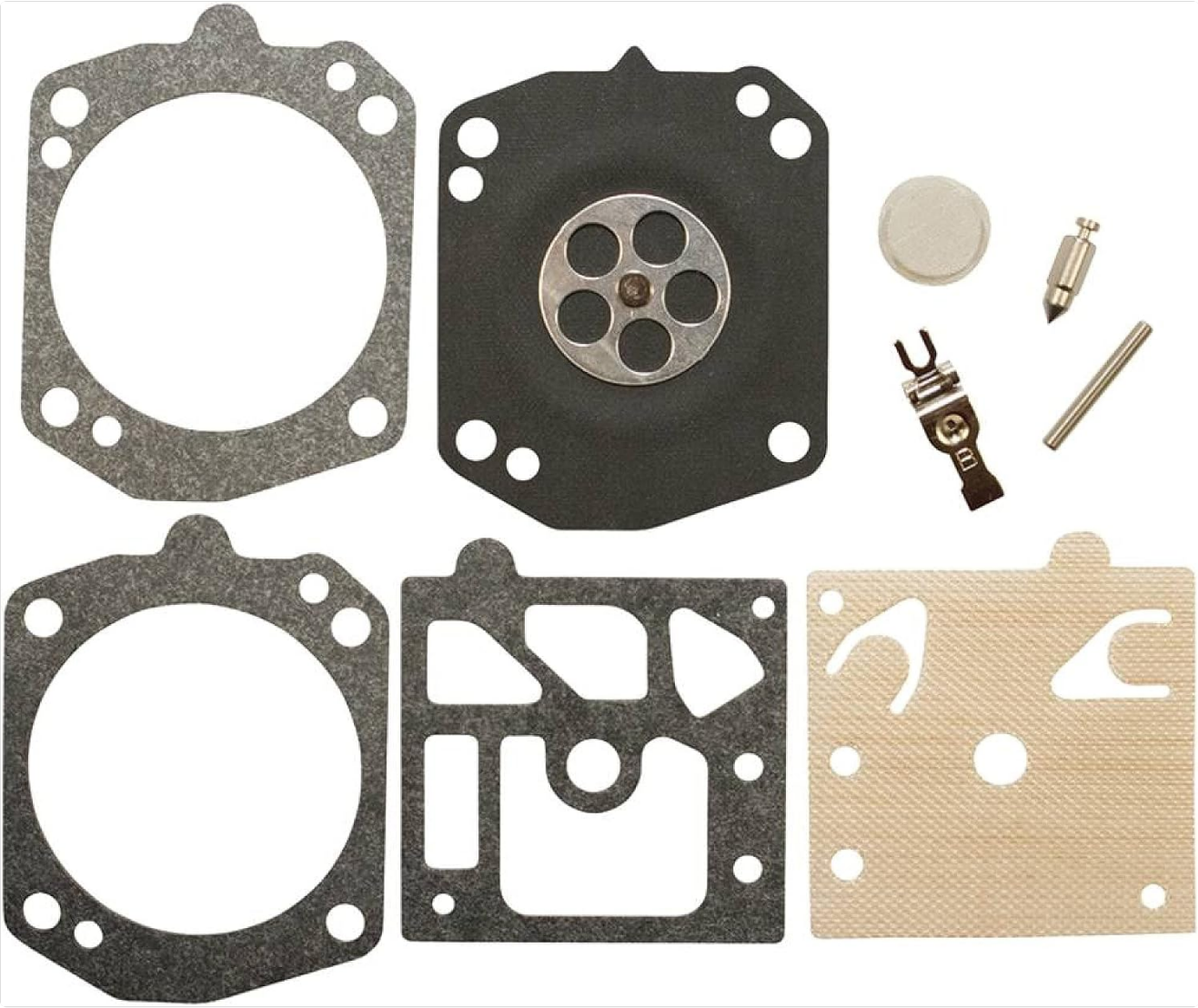


Image: Stens OEM Carburetor Kit 615-715 components. This kit includes various gaskets, a diaphragm, a needle, and a pin, essential for carburetor repair and maintenance.

Compatibility

The Stens OEM Carburetor Kit 615-715 is specifically designed for the following Walbro carburetor models:

- Replaces OEM number: Walbro K20-HD
- Fits Walbro Carburetors: HD-20-1, HD-25-1, HD-30-1, HD-39-318, HD-40-318, and HD-41-318

Note: This kit is not compatible with fuels containing greater than 10% ethanol.

Safety Information

Always prioritize safety when working with fuel systems and small engines. Failure to follow safety precautions can result in injury or damage.

- Ensure the engine is turned off and cooled down 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, such as 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.

Components Included

The Stens OEM Carburetor Kit 615-715 typically includes the following components necessary for a carburetor rebuild:

- Gaskets (various shapes and sizes)
- Diaphragm
- Inlet needle
- Inlet lever (fulcrum arm)
- Pin for inlet lever
- Screen/Filter

Note: Actual contents may vary slightly based on specific Walbro carburetor model variations. Refer to your carburetor's service manual for exact part identification.

Installation Guide

This section provides general steps for installing the carburetor kit. For detailed, model-specific instructions, consult the service manual for your specific Walbro carburetor.

1. **Preparation:** Ensure the engine is off and cool. Disconnect the spark plug wire. Drain any fuel from the fuel tank and carburetor.
2. **Remove Carburetor:** Carefully remove the carburetor from the engine, noting the position of all linkages, hoses, and mounting hardware. Take photos if necessary for reassembly.
3. **Disassemble Carburetor:** Disassemble the carburetor, paying close attention to the order and orientation of all components. Remove old gaskets, diaphragms, and the inlet needle assembly.
4. **Clean Carburetor:** Thoroughly clean all carburetor passages and components using a carburetor cleaner. Ensure all orifices are clear and free of debris. Air dry or use compressed air.
5. **Install New Components:** Install the new gaskets, diaphragm, inlet needle, and lever from the Stens kit. Ensure all components are seated correctly and oriented as per your carburetor's service manual.
6. **Reassemble Carburetor:** Reassemble the carburetor, ensuring all screws are tightened to the manufacturer's specifications.
7. **Reinstall Carburetor:** Mount the carburetor back onto the engine, reconnecting all linkages, hoses, and mounting hardware.
8. **Refuel and Test:** Refill the fuel tank with fresh, appropriate fuel (less than 10% ethanol). Reconnect the spark plug wire. Start the engine and check for proper operation and any fuel leaks. Adjust idle and mixture screws as needed according to your engine's specifications.

Maintenance

Regular maintenance helps prolong the life of your carburetor and ensures reliable engine performance.

- **Fuel Quality:** Always use fresh, clean fuel. Avoid fuel with high ethanol content (greater than 10%) as it can damage carburetor components over time.
- **Fuel Filter:** Regularly inspect and replace the fuel filter to prevent contaminants from reaching the carburetor.
- **Storage:** Before long-term storage, drain the fuel system or use a fuel stabilizer to prevent fuel degradation and gumming in the carburetor.
- **Air Filter:** Ensure the air filter is clean and properly installed to prevent dirt and debris from entering the

carburetor.

Troubleshooting

If your engine experiences issues after carburetor maintenance, consider the following common problems:

- **Engine Not Starting:**
  - Check for proper fuel flow to the carburetor.
  - Ensure the spark plug is clean and firing.
  - Verify all carburetor components are correctly installed and sealed.
  - Check for vacuum leaks around carburetor gaskets.
- **Rough Idling or Stalling:**
  - Adjust idle speed and mixture screws.
  - Inspect for clogged fuel passages or jets.
  - Check for air leaks.
- **Fuel Leaks:**
  - Ensure all gaskets are properly seated and not pinched.
  - Check fuel lines and connections for cracks or looseness.
  - Verify the inlet needle and seat are sealing correctly.

For persistent issues, consult a qualified service technician or your engine's specific service manual.

Specifications

Attribute	Detail
Brand	Stens
Model Number	615-715
Replaces OEM	Walbro K20-HD
Compatibility	Walbro HD-20-1, HD-25-1, HD-30-1, HD-39-318, HD-40-318, HD-41-318 Carburetors
Ethanol Compatibility	Not compatible with greater than 10% ethanol fuel
Material	Plastic (components like diaphragm), Gasket material, Metal (needle, pin)
Item Weight	Approximately 0.634 ounces
Product Dimensions	Approximately 6 x 4 x 0.25 inches (packaging)

Warranty and Support

For information regarding product warranty, returns, or technical support, please refer to the official Stens website or contact your authorized Stens dealer. Keep your purchase receipt as proof of purchase.

For further assistance, you may visit the Stens Store on Amazon.

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