

SIMPSON KB65132

Simpson Cleaning King Brute KB65132 CRX420 Gas Pressure Washer Instruction Manual

Model: KB65132 | Engine: CRX420

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1. INTRODUCTION

This manual provides essential instructions for the safe operation, assembly, maintenance, and troubleshooting of your Simpson Cleaning King Brute KB65132 CRX420 Gas Pressure Washer. This industrial-grade hot water pressure washer is designed for demanding cleaning tasks, delivering 4000 PSI at 4.0 GPM.



The Simpson Cleaning King Brute KB65132 CRX420 Gas Pressure Washer, a robust unit designed for heavy-duty cleaning tasks, featuring a gas engine and hot water capability.

2. SAFETY INFORMATION

Always read and understand all safety warnings and instructions before operating the pressure washer. Failure to follow these instructions may result in serious injury or property damage.

General Safety Precautions

- Wear appropriate personal protective equipment (PPE), including eye protection, hearing protection, and gloves.
- Never point the spray gun at people, animals, or electrical equipment.
- Ensure all connections are secure before starting the unit.
- Operate the pressure washer in a well-ventilated area.
- Keep children and pets away from the operating area.

Fuel and Engine Safety

- Use fresh, clean gasoline for the engine and diesel for the burner.

- Do not refuel a hot or running engine. Allow the engine to cool before adding fuel.
- Store fuel in approved containers and away from ignition sources.
- Be aware of hot surfaces on the engine and burner during and after operation.

3. COMPONENTS OVERVIEW

Familiarize yourself with the main components of your Simpson King Brute pressure washer.



4000 PSI



4.0 GPM



CRX® 420 engine with low engine shut down feature



AAA® industrial triplex pump built with external unloader and bypass hose



Armor® steel-braided hot water hose with quick connect fittings



Control panel with burner on / off rocker switch, thermostat control and hour meter

A collage showcasing the main components: the CRX 420 engine, the AAA industrial triplex plunger pump, the durable Armor steel-braided hot water hose, and the intuitive control panel with nozzle selections.

CRX 420 Engine

The CRX 420 direct drive engine provides reliable power for demanding cleaning tasks. It features a low-oil shutdown mechanism to protect the engine from damage.



A detailed close-up of the CRX 420 engine, highlighting its branding and design, which powers the pressure washer.

AAA Industrial Triplex Plunger Pump

This premium pump delivers 4000 PSI at 4.0 GPM and includes an external unloader and bypass hose for consistent performance and durability.



A close-up view of the AAA industrial triplex plunger pump, a key component responsible for delivering high-pressure water, featuring its external unloader and bypass hose.

Control Panel

The control panel features an on/off rocker switch for the burner, a thermostat control, and an hour meter. It also provides convenient storage for quick-connect nozzle tips.



A side view of the pressure washer, emphasizing the control panel with its various switches and nozzle tip storage.

Hose and Wand

The unit includes a 3/8-inch x 50-foot steel-braided hot water pressure washer hose and a heat-resistant pressure washer gun with a 48-inch wand, featuring an insulated grip for comfort and control.



A side view of the pressure washer, showing the coiled hot water hose and the spray gun attached to the unit.

4. SETUP

Follow these steps for initial assembly and preparation before first use.

1. **Unpacking:** Carefully remove all components from the packaging. Ensure all parts listed in the packing list are present.
2. **Wheel Assembly:** Attach the wheels to the frame as per the assembly diagram in the full manual. The four 13-inch pneumatic tires are designed for easy maneuverability.
3. **Handle Installation:** Secure the handle to the main frame.
4. **Connect High-Pressure Hose:** Connect one end of the 50-foot steel-braided hose to the pump outlet and the other end to the spray gun. Ensure connections are tight.
5. **Connect Water Supply:** Attach a garden hose (minimum 5/8-inch diameter) to the water inlet on the pump. Ensure the water supply is clean and free of debris.
6. **Add Engine Oil:** Fill the engine crankcase with the recommended engine oil to the appropriate level. Refer to the engine manual for specific oil type and capacity.
7. **Add Fuel:** Fill the engine fuel tank with fresh, unleaded gasoline (1.6 gal capacity). Fill the burner fuel tank with diesel (5.0 gal capacity). Do not overfill.
8. **Nozzle Selection:** Choose the appropriate quick-connect nozzle (15°, 25°, 40°, or Soap) for your cleaning task and insert it into the wand.

5. OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation of your pressure washer.

Starting the Pressure Washer

1. **Open Water Supply:** Turn on the water faucet completely to ensure a steady flow to the pump.
2. **Purge Air:** Squeeze the trigger on the spray gun to purge air from the system until a steady stream of water flows out.
3. **Engine Start:** Follow the engine manufacturer's instructions for starting the CRX 420 engine. This typically involves setting the choke, throttle, and pulling the recoil starter or using the electric start if equipped.
4. **Engage Burner (for Hot Water):** Once the engine is running, switch the burner on using the rocker switch on the control panel. Adjust the thermostat to the desired water temperature. Allow a few moments for the water to heat up.

Using the Pressure Washer

- Always start spraying away from the object to be cleaned to avoid damage.
- Maintain a safe distance from the cleaning surface, adjusting as needed for desired cleaning power.
- Use the appropriate nozzle for the task. Wider spray patterns (e.g., 40°) are for general cleaning, while narrower patterns (e.g., 15°) provide more concentrated power. The soap nozzle is for applying detergents.
- Move the spray gun in a sweeping motion to ensure even cleaning.

Shutting Down the Pressure Washer

1. **Turn Off Burner:** Switch off the burner on the control panel.
2. **Turn Off Engine:** Follow the engine manufacturer's instructions for shutting down the engine.
3. **Turn Off Water Supply:** Close the water faucet.
4. **Relieve Pressure:** Squeeze the trigger on the spray gun to release any remaining pressure in the system.
5. **Disconnect Hoses:** Disconnect the garden hose and high-pressure hose.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your pressure washer.

- **Check Engine Oil:** Before each use, check the engine oil level and add if necessary. Change oil according to the engine manual's schedule.
- **Inspect Hoses and Connections:** Regularly check the high-pressure hose, garden hose, and all connections for leaks, cuts, or damage. Replace damaged components immediately.
- **Clean Nozzles:** Clear any blockages from the nozzle tips using the provided nozzle cleaning tool.
- **Inspect Air Filter:** Check the engine air filter regularly and clean or replace it as needed, especially in dusty conditions.
- **Spark Plug:** Inspect and clean or replace the spark plug periodically as recommended by the engine manufacturer.
- **Winterization:** Before storing the unit for extended periods or in freezing temperatures, properly winterize the pump and engine to prevent damage. Consult the full manual for detailed winterization procedures.

7. TROUBLESHOOTING

This section addresses common issues you might encounter. For more complex problems, consult a qualified service technician.

Problem	Possible Cause	Solution
Engine will not start	No fuel; low engine oil; spark plug issue; choke setting incorrect	Add fuel; check/add oil (low-oil shutdown engaged); inspect/replace spark plug; adjust choke
No water pressure	Water supply off; clogged nozzle; air in pump; kinked hose	Turn on water; clean nozzle; purge air from system; straighten hose
Burner not igniting	No diesel fuel; electrical issue; igniter malfunction	Check/add diesel; inspect electrical connections; consult service manual
Pulsating pressure	Air in pump; restricted water flow; worn pump seals	Purge air; check water supply/filter; contact service for pump repair

8. SPECIFICATIONS

Key technical details for the Simpson Cleaning King Brute KB65132 CRX420 Gas Pressure Washer.

Feature	Detail
Model	KB65132
Engine	CRX 420
Pressure Rating	4000 PSI
Flow Rate	4.0 GPM
Pump Type	AAA Industrial Triplex Plunger Pump
Hose Length	50 Feet (Steel-Braided, Hot Water)
Engine Fuel Capacity	1.6 Gallons (Gasoline)
Burner Fuel Capacity	5.0 Gallons (Diesel)
Product Dimensions (L x W x H)	53"L x 28"W x 44"H (Shipping) / 42"L x 28"W x 47.5"H (Operational)
Item Weight	430 lbs (Shipping) / 396 lbs (Operational)
Compliance	49-State Compliant, CSA Certified



A diagram illustrating the precise dimensions of the pressure washer: 42 inches in length, 28 inches in width, and 47.5 inches in height.

9. WARRANTY INFORMATION

The Simpson Cleaning King Brute KB65132 CRX420 Gas Pressure Washer comes with the following limited warranties:

- **Engine:** 3-Year Limited Warranty
- **Pump:** 5-Year Limited Warranty
- **Frame:** 10-Year Limited Warranty

For detailed terms and conditions, please refer to the warranty card included with your product or visit the official Simpson Cleaning website.



4000 PSI



4.0 GPM

**3 YEAR
ENGINE
WARRANTY**

**5 YEAR
PUMP
WARRANTY**

**10 YEAR
FRAME
WARRANTY**



L 53" x W 28" x H 44"



430 LBS

KB65132 | 65132

LIMITED WARRANTIES


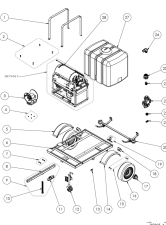




An overview of the Simpson King Brute pressure washer, highlighting its 3-year engine warranty, 5-year pump warranty, 10-year frame warranty, and overall dimensions.

10. SUPPORT

For further assistance, technical support, or to inquire about replacement parts, please contact Simpson Cleaning customer service or visit their official website.

You can find more information and support resources by visiting the [SIMPSON Store on Amazon](#).

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	<p>SIMPSON ALH3228 Premium Pressure Washer: Instruction Manual</p> <p>User manual for the SIMPSON ALH3228 Premium Pressure Washer. Includes safety guidelines, setup guide, operating instructions, maintenance procedures, and troubleshooting for the 3200 PSI, 2.8 GPM model.</p>
	<p>Simpson Big Brute Professional 95005 Pressure Washer Parts List and Diagram</p> <p>Detailed parts list and exploded view diagrams for the Simpson Big Brute Professional 95005 4000 PSI hot water pressure washer, including model numbers and component descriptions.</p>
	<p>SIMPSON ALH4240 Pressure Washer Instruction Manual</p> <p>This comprehensive instruction manual provides essential safety guidelines, setup instructions, operating procedures, maintenance tips, and troubleshooting advice for the SIMPSON ALH4240 premium pressure washer, featuring 4200 PSI and 4.0 GPM.</p>
	<p>Simpson Hot Water Pressure Washer Trailer Use and Care Manual</p> <p>Comprehensive use and care manual for Simpson Hot Water Pressure Washer Trailers, covering safety, operation, maintenance, and troubleshooting to ensure optimal performance and user safety.</p>
	<p>SIMPSON MSH3125-S Premium Pressure Washer Instruction Manual</p> <p>Comprehensive instruction manual for the SIMPSON MSH3125-S Premium Pressure Washer, covering safety guidelines, setup, operation, maintenance, and troubleshooting. Features 3100 PSI and 2.5 GPM.</p>
	<p>SIMPSON Premium Pressure Washer Instruction Manual</p> <p>Comprehensive instruction manual for SIMPSON premium pressure washers, covering safety guidelines, setup, operation, maintenance, and troubleshooting. Essential reading for safe and effective use.</p>



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The SIMPSON King Brute, **KB65132** offers an enhanced cleaning experience that provides maximum power and efficiency. Equipped with 50-State compliant CRX 420 engine and a reliable premium AAA Industrial Triplex pump. **KB65132 BURNER** Horizontal heat exchanger and burner on/off rocker switch, and hou...

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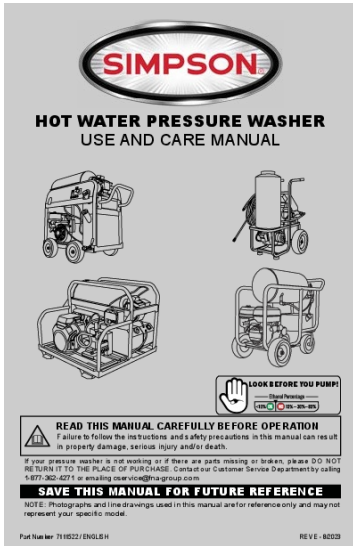
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Plunger Pump CRX 420 Engine Spray Gun and Insulated Wand QC Nozzles 3 8 in x 50 ft Hose State

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