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› Easy Kleen Commercial Hot Water Gas Pressure Washer EZO3504G-H User Manual

Easy Kleen EZO3504G-H

Easy Kleen Commercial Hot Water Gas Pressure Washer

MODEL: EZO3504G-H

User Manual

1. Introduction

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Easy Kleen Commercial Oil Fired Hot Water Gas Pressure Washer, model EZO3504G-H. This versatile unit delivers 4 GPM at 3500 PSI, powered by a reliable 13 HP Honda engine with electric start. It features a high-capacity 400,000 BTU oil-fired burner, a 12-volt system, a 10-gallon gas tank, and a 20-gallon oil tank for extended operation.



Figure 1.1: Overall view of the Easy Klean Commercial Hot Water Gas Pressure Washer.

2. Key Features

- **Pump:** Commercial Duty Triplex Plunger Pump, Oil Bath Crankcase, Stainless Steel Valves, Brass Manifold, Direct Drive, Thermo Pump Protector.
- **Engine:** 13 HP Honda, Electric Start, Gasoline-driven, Efficient and Serviceable.
- **Heating Coil:** Schedule 80 Pipe, No Seam Welds, Elliptically Wound & Stretched, Structurally Braced to Reduce Vibration & Pipe Wear, Sealed with a Ceramic Blanket, Stainless Steel Housing.
- **Frame:** All Welded, Powder Coated, 12 Gauge Bent Steel Roll Cage, 3/4" Threaded Axles Welded to the Frame, Lifting Bar, 13" Pneumatic Wheels Attached with Lock Nuts, 10 Gallon Poly Fuel Tank, Hose Reel Mounting Plate.
- **Includes:** 36" Gun and Wand Assembly with Quick Coupler System, 0°/15°/25°/40° Nozzles, 1 Soap Nozzle, Downstream Chemical Injection System, 50' of High Pressure Hose.

3. Setup

Before operating the pressure washer, ensure all components are correctly assembled and connected.

1. **Wheel and Handle Assembly:** Attach the wheels and handle to the main frame as per the included hardware. Ensure all bolts are tightened securely.
2. **Fueling the Engine:** Fill the gasoline tank (10-gallon capacity) with fresh, unleaded gasoline. Do not overfill.
3. **Engine Oil:** Check the engine oil level before each use. Refer to the Honda engine manual for specific oil type and capacity.
4. **Burner Fuel:** Fill the burner fuel tank (20-gallon capacity) with diesel fuel or kerosene.
5. **Water Connection:** Connect a garden hose (minimum 5/8" diameter) to the water inlet on the pump. Ensure the water supply is clean and free of debris. A water filter is integrated; inspect it regularly.
6. **High-Pressure Hose and Wand:** Connect the 50-foot high-pressure hose to the pump's high-pressure outlet and the other end to the gun and wand assembly. Securely attach the desired nozzle (0°, 15°, 25°, 40°, or soap nozzle) to the quick coupler system on the wand.
7. **Battery Connection:** Ensure the 12V battery for the electric start and burner ignition is properly connected and charged.



Figure 3.1: Right side view, highlighting the Honda engine and burner components.

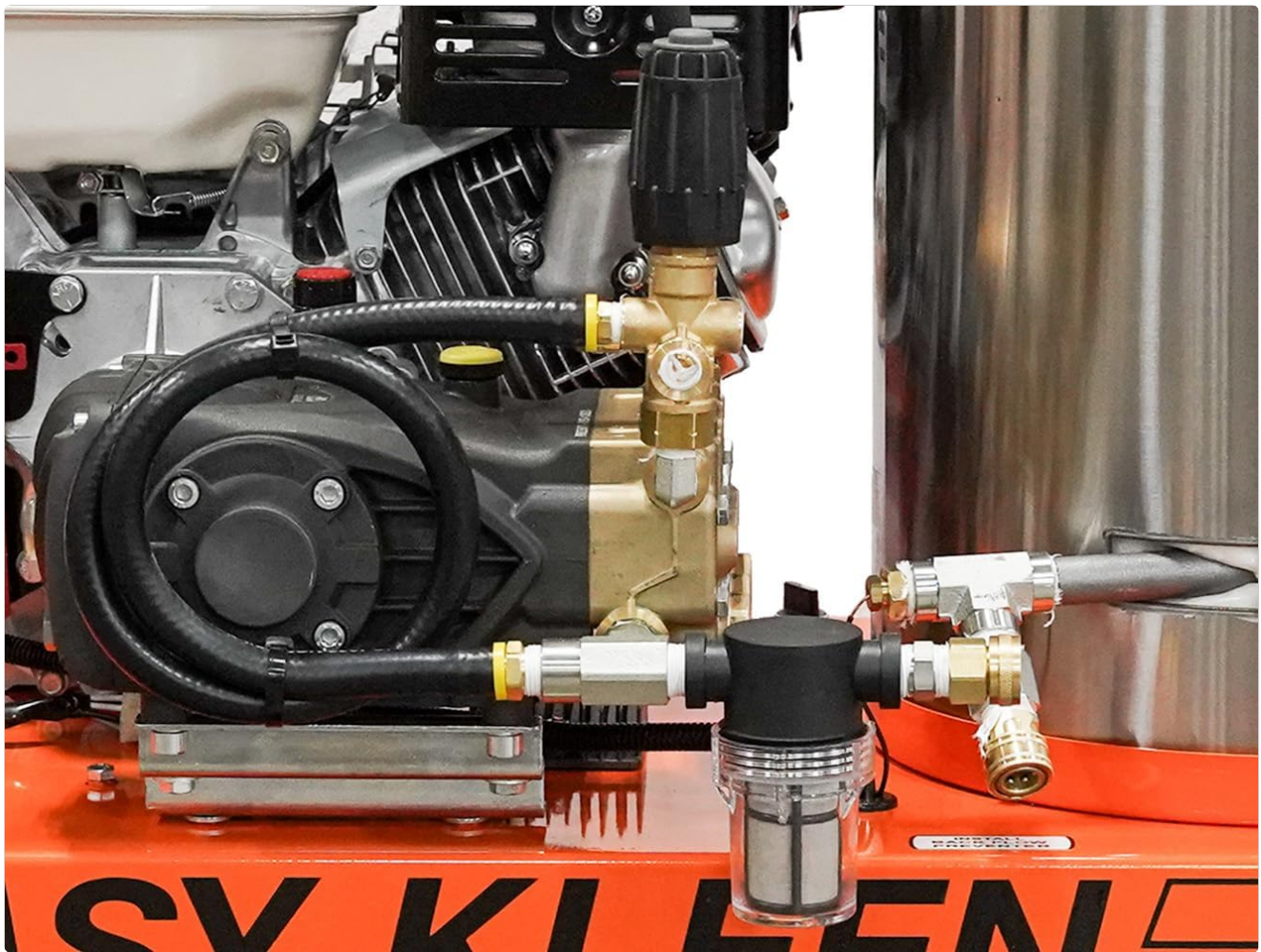


Figure 3.2: Detail of the pump and water inlet filter for clean water supply.

4. Operating Instructions

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

1. **Pre-Operation Check:** Verify all fluid levels (gasoline, engine oil, burner fuel). Ensure all hoses are securely connected and free from leaks. Check the water inlet filter for cleanliness.
2. **Water Supply:** Turn on the water supply completely to the pressure washer. Squeeze the trigger on the spray gun to purge air from the system until a steady stream of water flows out.
3. **Starting the Engine:** Ensure the engine throttle is set to the 'FAST' position. Turn the ignition key to start the 13 HP Honda engine. Allow the engine to warm up for a few minutes.
4. **Engaging Hot Water (Burner):** To activate the hot water function, ensure the burner fuel tank is adequately filled. Flip the burner switch to the 'ON' position. The burner will ignite, and hot water will be produced after a short delay.
5. **Using the Wand and Nozzles:** Select the appropriate nozzle for your cleaning task. Start cleaning from a distance and gradually move closer to the surface, maintaining a safe distance to avoid damage.
6. **Chemical Injection:** For chemical application, attach the soap nozzle and ensure the downstream chemical injection system is properly connected to your detergent container. The system will draw detergent at low pressure.
7. **Shutting Down:** First, turn off the burner switch. Allow the system to cool down by running cold water through it for a few minutes. Then, turn off the engine ignition. Finally, turn off the water supply and squeeze the trigger to relieve any remaining pressure in the system.



Figure 4.1: Detail of the Honda GX390 engine, indicating fuel and oil points.

5. Maintenance

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

- **Engine Oil:** Check engine oil before each use. Change oil every 50 hours of operation or seasonally. Refer to the Honda engine manual for specifics.
- **Pump Oil:** Check pump oil level regularly. Change pump oil every 200 hours of operation or annually. Use non-detergent pump oil.
- **Fuel Filter:** Inspect and clean or replace the fuel filter as needed, especially if fuel delivery issues occur.
- **Water Inlet Filter:** Clean the water inlet filter screen before each use to prevent debris from entering the pump.
- **Nozzle Cleaning:** Clean clogged nozzles using the provided nozzle cleaning tool.
- **Burner Maintenance:** Periodically inspect the burner coil for soot buildup. Consult a qualified technician for burner nozzle and ignition system maintenance.
- **Winterization:** In freezing temperatures, drain all water from the pump, hoses, and heating coil. Use a pump

saver or antifreeze solution to protect internal components from freezing damage.

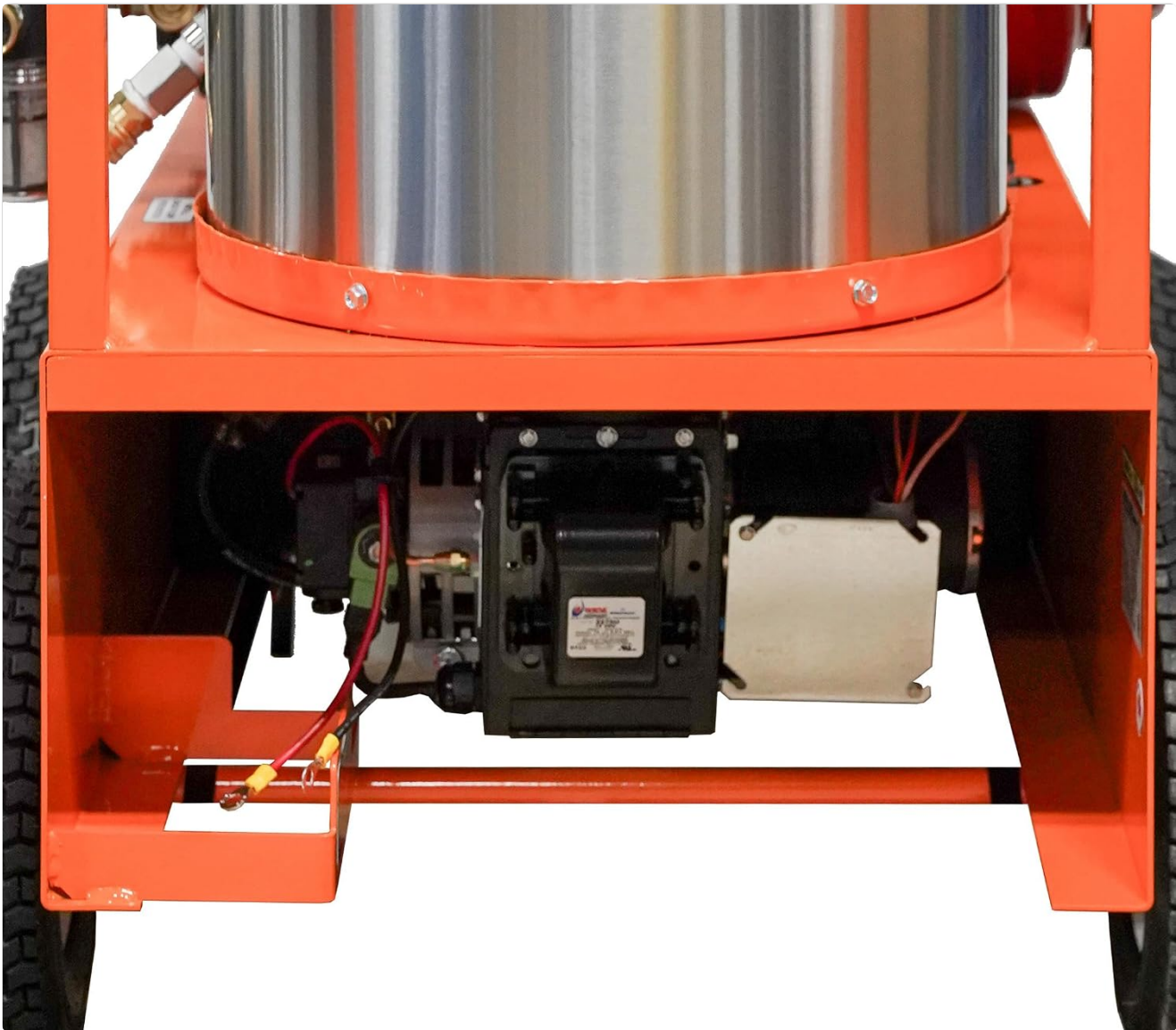


Figure 5.1: View of the burner assembly, important for hot water function and maintenance.

6. Troubleshooting

This section addresses common issues you might encounter.

Problem	Possible Cause	Solution
Engine will not start	No fuel, low engine oil, spark plug issue, battery low (for electric start)	Check fuel level, add oil, inspect/replace spark plug, charge/check battery.
No water pressure	Clogged nozzle, kinked hose, insufficient water supply, air in pump, worn pump seals	Clean nozzle, straighten hose, ensure full water supply, purge air, contact service for pump issues.
No hot water	No burner fuel, burner switch off, ignition failure, thermostat issue	Check burner fuel, turn on burner switch, inspect ignition system, consult technician.
Pulsating pressure	Air in pump, clogged inlet filter, restricted water flow, unloader valve issue	Purge air, clean filter, ensure adequate water supply, contact service for unloader valve.

7. Specifications

Detailed technical specifications for the Easy Kleen Commercial Hot Water Gas Pressure Washer.

- **Model Number:** EZO3504G-H
- **Power Source:** Gasoline (Engine), Diesel/Kerosene (Burner)
- **Maximum Flow Rate:** 4 Gallons Per Minute (GPM)
- **Maximum Pressure:** 3500 Pounds per Square Inch (PSI)
- **Engine:** 13 HP Honda Engine with Electric Start
- **Burner:** 400,000 BTU Oil-Fired, 12V System
- **Gasoline Tank Volume:** 10 Gallons
- **Burner Fuel Tank Volume:** 20 Gallons
- **Hose Length:** 50 Feet (High Pressure)
- **Wand Length:** 36 Inches
- **Product Dimensions (L x W x H):** 46" x 30" x 64"
- **Item Weight:** 425 Pounds
- **UPC:** 685671359536

8. Warranty and Support

For warranty information, technical support, or to order replacement parts, please contact Easy Kleen Pressure Systems Ltd. directly.

Manufacturer: Easy Kleen Pressure Systems Ltd.

Website: [Visit the Easy Kleen Store on Amazon](#)

Please have your model number (EZO3504G-H) and purchase date available when contacting support.

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