

AR ANNOVI REVERBERI RMV25G30D-EZ

AR Annovi Reverberi RMV25G30D-EZ Pressure Washer Water Pump Instruction Manual

For Sears Craftsman Models 580.752230 and 020371-0

INTRODUCTION

This manual provides essential instructions for the safe and effective installation, operation, and maintenance of your AR Annovi Reverberi RMV25G30D-EZ Pressure Washer Water Pump. This pump is designed for use with compatible pressure washer units, including Sears Craftsman models 580.752230 and 020371-0. Please read this manual thoroughly before use and retain it for future reference.

IMPORTANT SAFETY INFORMATION

- **Read All Instructions:** Before operating the pressure washer pump, ensure you have read and understood all instructions in this manual and the pressure washer's main manual.
- **Pressure Rating:** Do not run the pump above its maximum PSI rating (3000 PSI). Exceeding this limit can cause severe damage to the pump and may result in serious bodily injury.
- **Fluid Temperature:** Ensure the maximum fluid temperature does not exceed 140° F (60° C).
- **Proper Installation:** Incorrect installation can lead to equipment malfunction or injury. Ensure all connections are secure and correct.
- **Maintenance:** Perform regular maintenance as described in this manual to ensure safe and efficient operation.

PRODUCT SPECIFICATIONS

RUGGED.

Model: AR RMV25G30D-EZ

Pump Features:

- **3000 PSI Maximum**
- **2.5 GPM Maximum Flow**
- **3400 RPM**
- **3/4" Horizontal Shaft**
- **Inlet 3/4" GHA**
- **Outlet 22mm x 14mm**



RELIABLE.

Image: The AR Annovi Reverberi RMV25G30D-EZ pump highlighting its rugged design and key performance specifications.

Model: RMV25G30D-EZ

Maximum Pressure: 3000 PSI

Maximum Flow: 2.5 GPM

Maximum Pump Speed: 3400 RPM

Shaft Size: 3/4" Horizontal

Maximum Fluid Temperature: 140° F (60° C)

Inlet Type: 3/4" GHA (Garden Hose Adapter)

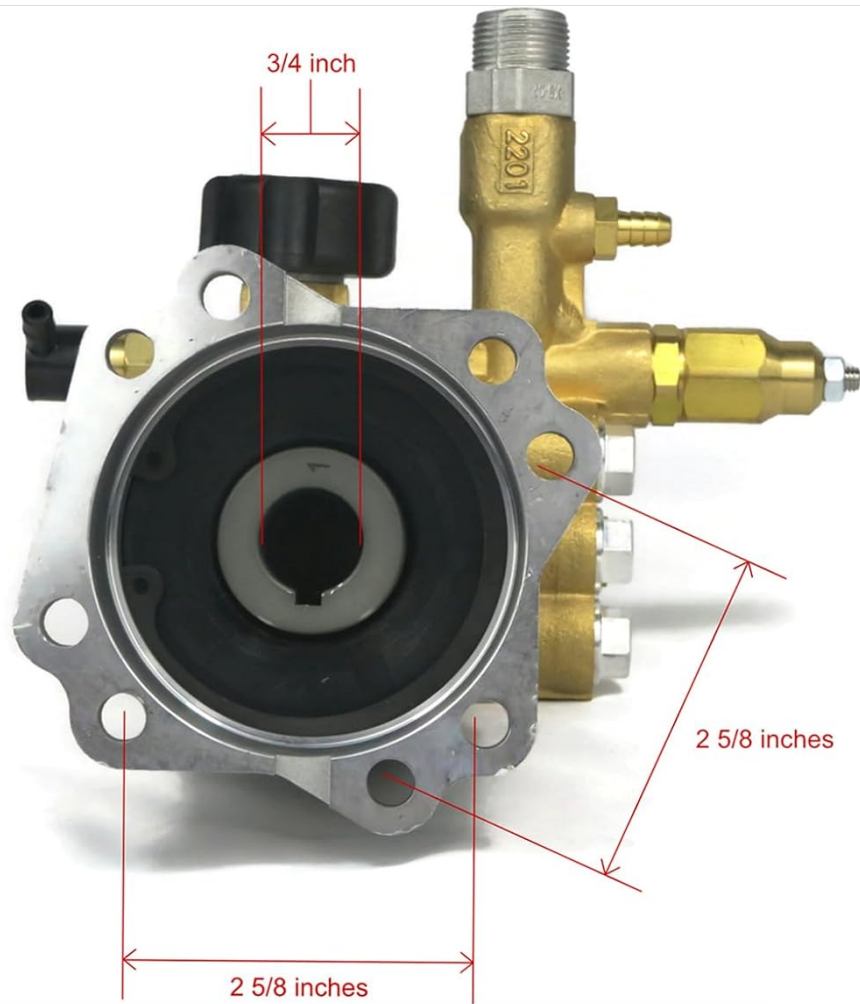
Outlet Type: 22mm x 14mm

Oil Capacity: 2.2 oz

Material: Brass

Item Weight: Approximately 7.75 lbs

Product Dimensions: Approximately 10 x 9.38 x 8 inches



3000 PSI | 2.5 GPM

HORIZONTAL 3/4" SHAFT



Image: Detailed diagram illustrating the pump's dimensions, including the 3/4 inch shaft, and confirming 3000 PSI and 2.5 GPM ratings.

EASY (EZ) START VALVE

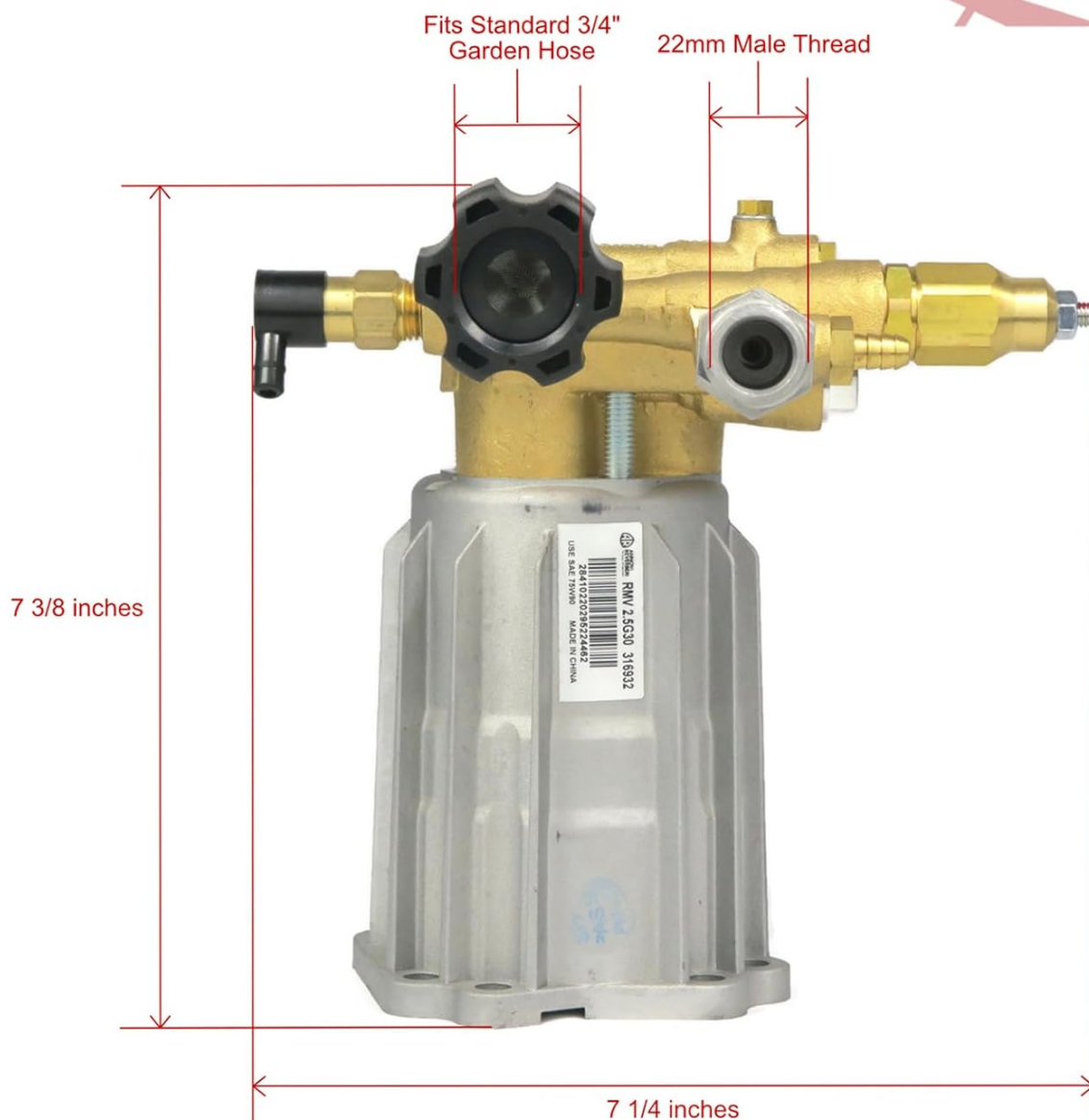


Image: A side view of the pump with measurements indicating its overall length and height, and highlighting the EZ Start Valve connection points.

PACKAGE CONTENTS

Upon unpacking, please verify that all the following items are included:

- (1) Horizontal Brass Pressure Washer Pump (Model: RMV25G30D-EZ)
- (1) Thermal Release Valve (pre-installed)
- (1) Chemical Injector (pre-installed)
- (4) Bolts
- (4) Lock Washers



Image: The complete AR Annovi Reverberi RMV25G30D-EZ pump assembly, along with the four mounting bolts and lock washers.



TRANSFORM YOUR OUTDOOR SPACES



Image: A close-up view of the four black hex-head bolts and four corresponding lock washers provided for pump installation.

COMPATIBILITY

This pump is designed to be compatible with various pressure washer units, including Sears Craftsman models 580.752230 and 020371-0. However, it is crucial to verify compatibility before installation.

- **OEM Part Number:** The only way to ensure correct replacement is by verifying your existing pump's OEM part number. Even if two pieces of equipment share the same year/make/model, they can have different part numbers.
- **Engine Specifications:** The RMV Series pumps are designed with a matching flange for convenient connection to most 3/4" shaft 4-7 HP engines.
- **Verification:** Please confirm your unit's model, spec, type/code, and serial number in addition to the OEM part number to ensure this is the correct part.

If you are unsure about compatibility, please contact the supplier for assistance.

SETUP AND INSTALLATION

1. **Prepare the Engine:** Ensure the pressure washer engine is turned off, cooled, and disconnected from any power source or fuel supply.
2. **Remove Old Pump (if applicable):** Carefully remove the existing pump from the engine, noting the orientation and connections.
3. **Mount the New Pump:** Align the new RMV25G30D-EZ pump with the engine's 3/4" horizontal shaft. The pump features a 4-bolt pattern for secure attachment. Use the provided bolts and lock washers to fasten the pump to the engine. Ensure bolts are tightened securely but do not overtighten.

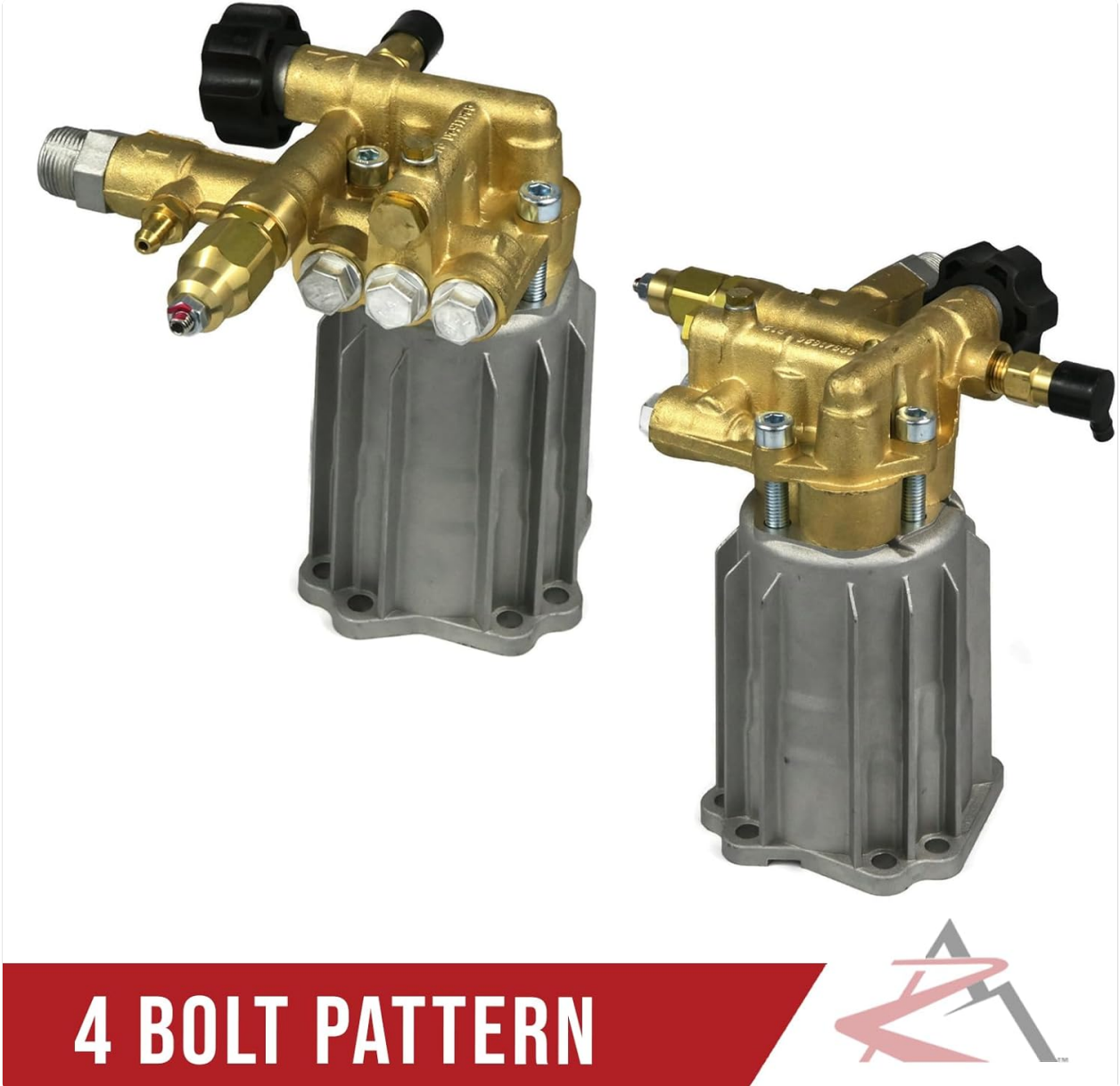


Image: The base of the pump illustrating the 4-bolt mounting pattern for attachment to the pressure washer engine.

4. **Connect Water Inlet:** Connect a standard 3/4" garden hose to the pump's 3/4" GHA inlet. Ensure the connection is tight to prevent leaks.
5. **Connect High-Pressure Outlet:** Attach your high-pressure hose to the pump's 22mm x 14mm outlet. Secure this connection firmly.
6. **Verify Pre-installed Components:** The thermal release valve and chemical injector come pre-installed. Ensure they are properly seated and not damaged.

PUMP CONNECTIONS

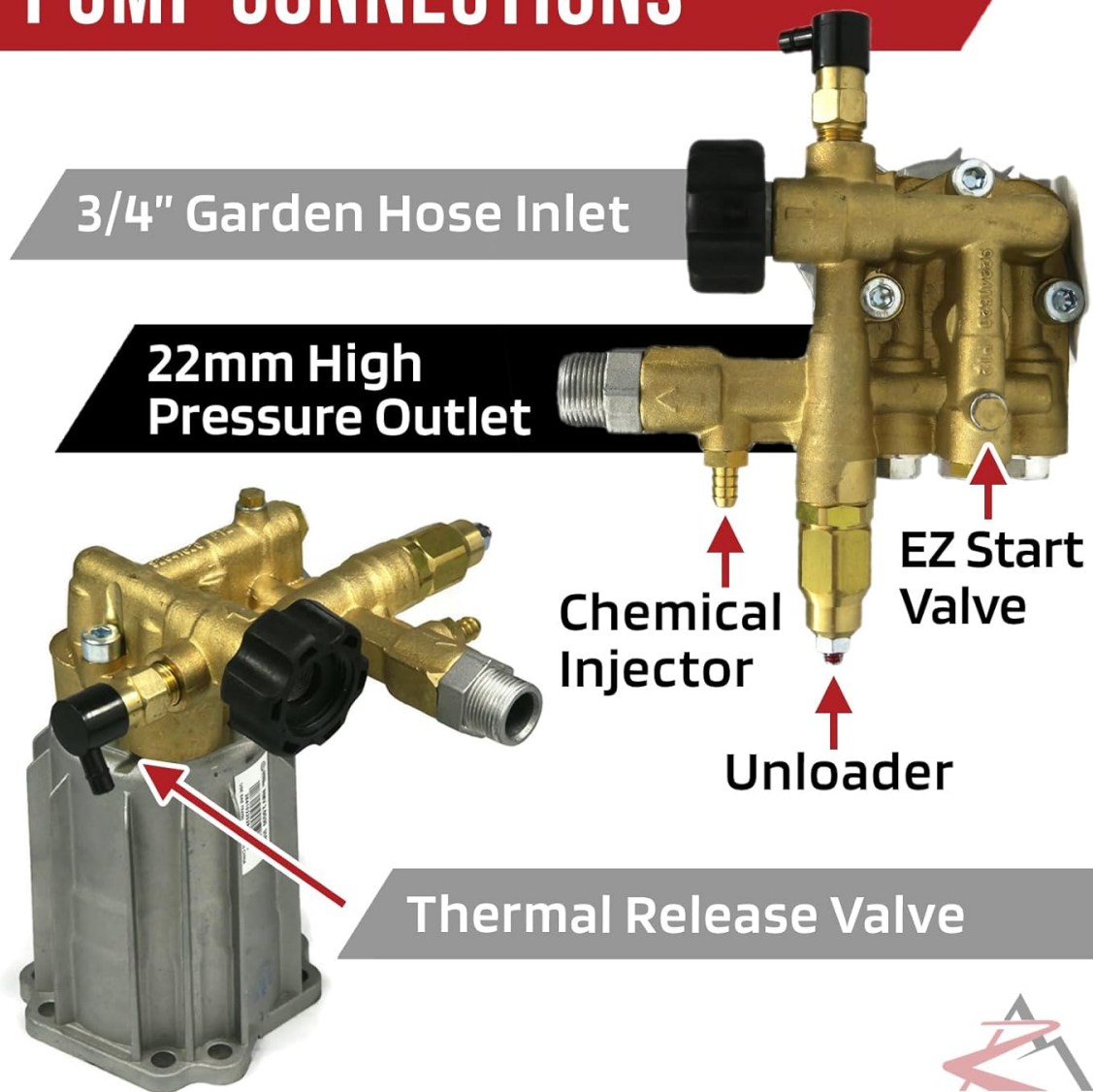


Image: A detailed view of the pump's various connection points, including the 3/4" Garden Hose Inlet, 22mm High Pressure Outlet, Chemical Injector, EZ Start Valve, Unloader, and Thermal Release Valve.

OPERATING INSTRUCTIONS

1. **Water Supply:** Ensure a continuous and adequate water supply is connected to the pump inlet before starting the engine. Running the pump dry can cause severe damage.
2. **Engine Start:** The pump includes an easy start valve (EZ) system. Follow your pressure washer engine's starting procedure.
3. **Pressure Control:** The pump features a built-in pressure control valve. Adjust as needed, but never exceed the maximum rated pressure of 3000 PSI.
4. **Chemical Injection:** If using the chemical injection system, refer to your pressure washer's main manual for proper detergent mixing and application procedures.
5. **Shut Down:** Always turn off the engine and relieve any residual pressure in the system after use.

MAINTENANCE

Regular maintenance is essential for the longevity and optimal performance of your pressure washer pump.

- **Oil Level:** Check the pump oil level regularly. The oil capacity is 2.2 oz. Refer to the pump manufacturer's recommendations for oil type and change intervals.
- **Winterization:** If storing the pressure washer in freezing temperatures, properly winterize the pump to prevent damage from ice expansion. Consult your pressure washer's manual for specific winterization procedures.
- **Cleanliness:** Keep the pump and surrounding area clean from dirt and debris.
- **Inspect Connections:** Periodically inspect all water and high-pressure connections for leaks or wear. Replace worn components as necessary.
- **Thermal Release Valve:** The thermal release valve is designed to protect the pump from overheating if water is recirculated for too long. Ensure it is free from obstructions.

TROUBLESHOOTING

This section provides general guidance for common issues. For detailed troubleshooting specific to your pressure washer unit, consult its main instruction manual.

- **No Pressure / Low Pressure:**
 - Check water supply for adequate flow and pressure.
 - Inspect inlet filter for clogs.
 - Ensure all connections are airtight and not leaking.
 - Verify the high-pressure hose and nozzle are not clogged or damaged.
- **Pump Leaking:**
 - Check all hose connections for tightness.
 - Inspect O-rings and seals for wear or damage.
 - A small amount of water from the thermal release valve is normal if the pump overheats due to prolonged recirculation.
- **Engine Stalls / Hard to Start:**
 - Ensure the EZ start valve is functioning correctly.
 - Refer to your engine's manual for engine-specific troubleshooting.

WARRANTY AND SUPPORT

Information regarding specific warranty terms for the AR Annovi Reverberi RMV25G30D-EZ pump should be obtained from your point of purchase or the manufacturer's official documentation. Damage resulting from exceeding the maximum PSI rating is typically not covered by warranty.

For questions regarding compatibility or technical assistance, please contact The ROP Shop, the supplier of this product. Their contact information can typically be found on your purchase receipt or their official website.