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› MUTURQ Triplex Pressure Washer Pump (Model: Triplex 3500PSI) - Instruction Manual

MUTURQ Triplex 3500PSI

MUTURQ Triplex Pressure Washer Pump

Model: Triplex 3500PSI - Instruction Manual

INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your MUTURQ Triplex Pressure Washer Pump, Model Triplex 3500PSI. This horizontal triplex pump is designed to deliver 3500 PSI at 3.0 GPM, restoring full performance for various outdoor cleaning tasks. It is engineered for compatibility with 5–8 HP engines featuring a 3/4 inch shaft, serving as a direct replacement for many gas-powered pressure washer pumps, including those from Simpson, Ryobi, Craftsman, Greenworks, Troy-Bilt, and Honda GX200/GC190.

The pump features a heavy-duty 3/4" triplex plunger design with a solid brass head for reliable operation and stability. A built-in Thermal Relief Valve (TRV) protects the pump from overheating during bypass mode. Designed for extended use, this pump offers up to 500 hours of working time, significantly longer than standard pumps, with reduced vibration and wear.

SETUP AND INSTALLATION

Before installation, ensure the pump is compatible with your engine. Verify that your engine has a 3/4-inch shaft and matches the required PSI and GPM specifications. The pump features a standard inlet and a 3/8" quick connection high-pressure hose outlet, along with an extra M22 male adapter for versatility.

Compatibility Check:

- Engine Orientation: Ensure it is a horizontal engine.
- PSI and GPM: Confirm your engine's requirements match the pump's 3500 PSI and 3.0 GPM.
- Engine Shaft Diameter: Must be 3/4 inch.
- Current Pump Inlet and Outlet Connection: Verify connections for proper fit.

This pump is compatible with models such as Simpson MorFlex 40224, 40225, 40226, Santoprene 41182, 90037, and Honda GC190/GX200 engines with a 3/4-inch triplex shaft.

Installation Steps:

1. **Prepare the Engine:** Ensure the pressure washer engine is turned off and cooled down. Disconnect the spark plug wire to prevent accidental starting.
2. **Remove Old Pump:** Carefully detach the old pump from the engine. This typically involves removing mounting bolts and sliding the pump off the engine shaft.
3. **Install New Pump:** The complete kit includes mounting bolts and a shaft key. Align the new pump with the engine shaft and mounting holes. Insert the shaft key into the keyway on the engine shaft, then slide the pump onto the shaft. Secure the pump with the provided mounting bolts. Installation typically takes about 10 minutes.
4. **Connect Hoses:** Connect your garden hose to the 3/4" NH inlet and your high-pressure hose to the 3/8" quick connection outlet (or use the M22 adapter if needed).
5. **Check Oil:** The pump comes pre-filled with SAE 15W-40 oil. Verify the oil level using the convenient oil sight glass.

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PREMIUM CONSTRUCTION

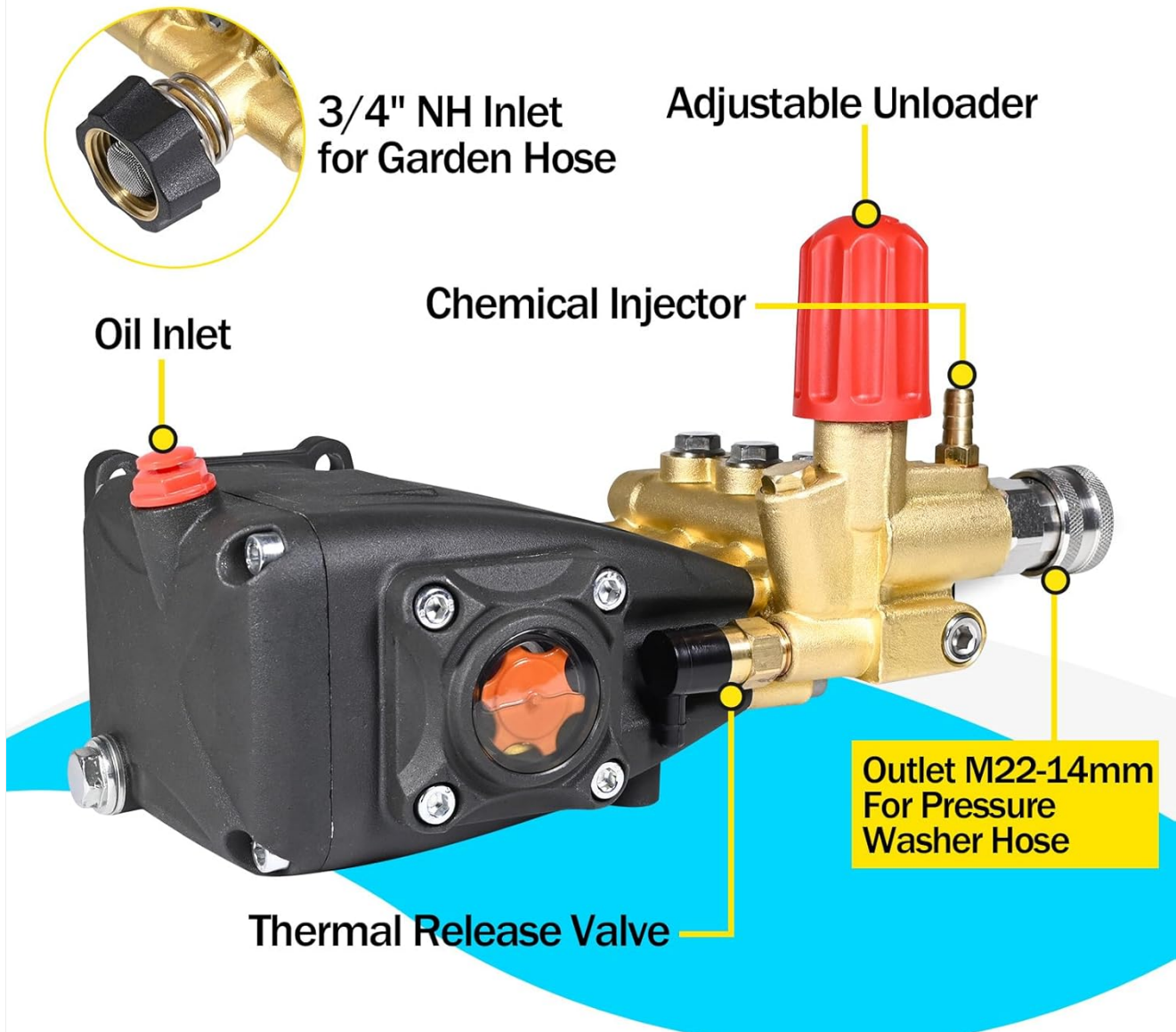


Figure 1: Key components of the MUTURQ Triplex Pressure Washer Pump.

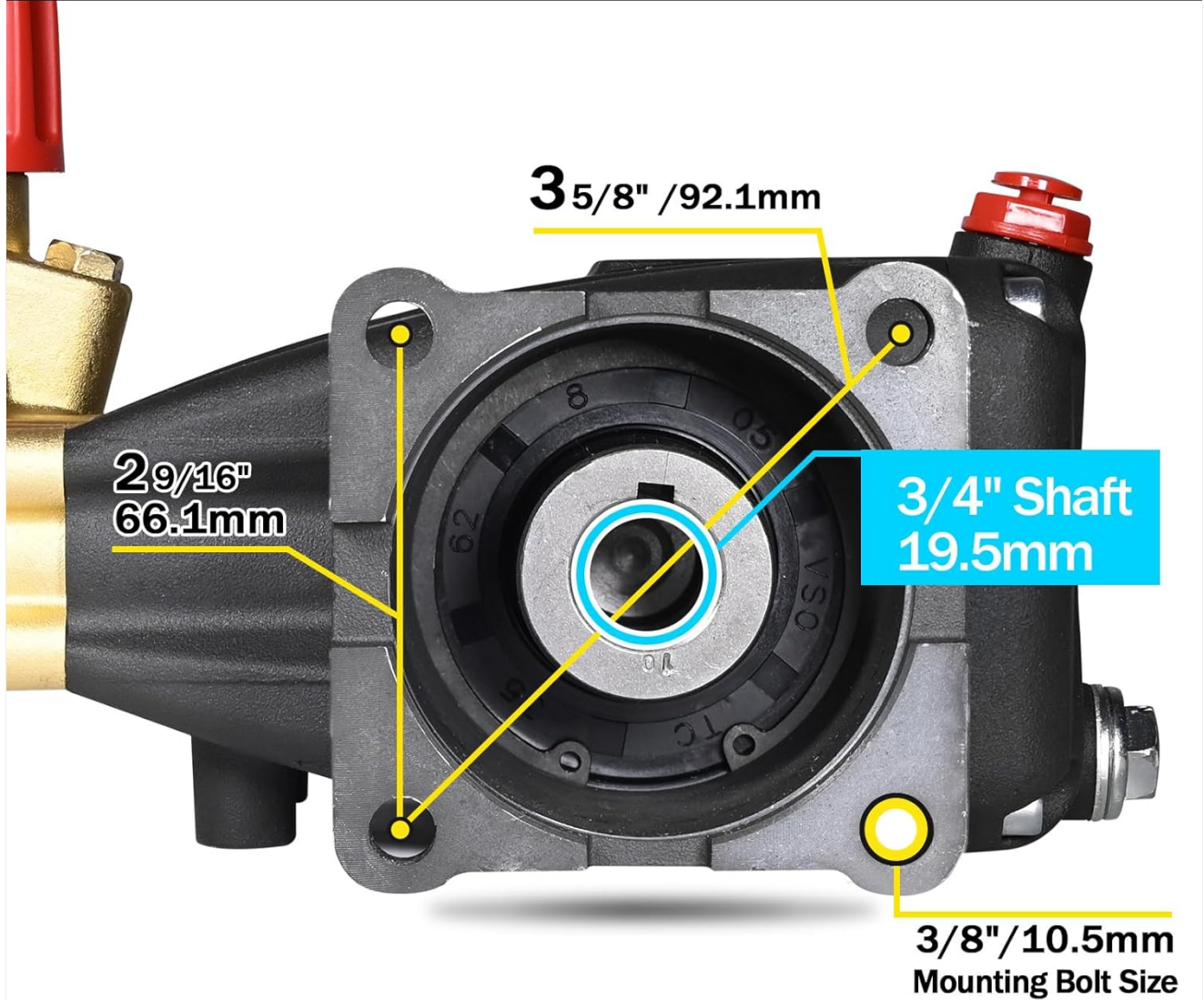


Figure 2: Mounting bolt and shaft dimensions for proper fitment.



Figure 3: Included accessories for installation and operation.

OPERATING INSTRUCTIONS

Once the pump is securely installed and hoses are connected, you can begin operation. Always ensure a steady water supply to the pump before starting the engine to prevent damage.

Pressure Adjustment:

The pump features a built-in unloader valve that allows for easy pressure adjustment without the need for special

tools. This enables you to tailor the pressure from gentle car detailing to blasting tough grime.

- To **increase pressure**, turn the unloader valve knob clockwise.
- To **reduce pressure**, turn the unloader valve knob counter-clockwise.

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ADJUST THE PRESSURE DIRECTLY BY HAND

NEW!!

1800 – 3500 PSI / 3.0 GPM

— Reduce pressure

+ Increase pressure

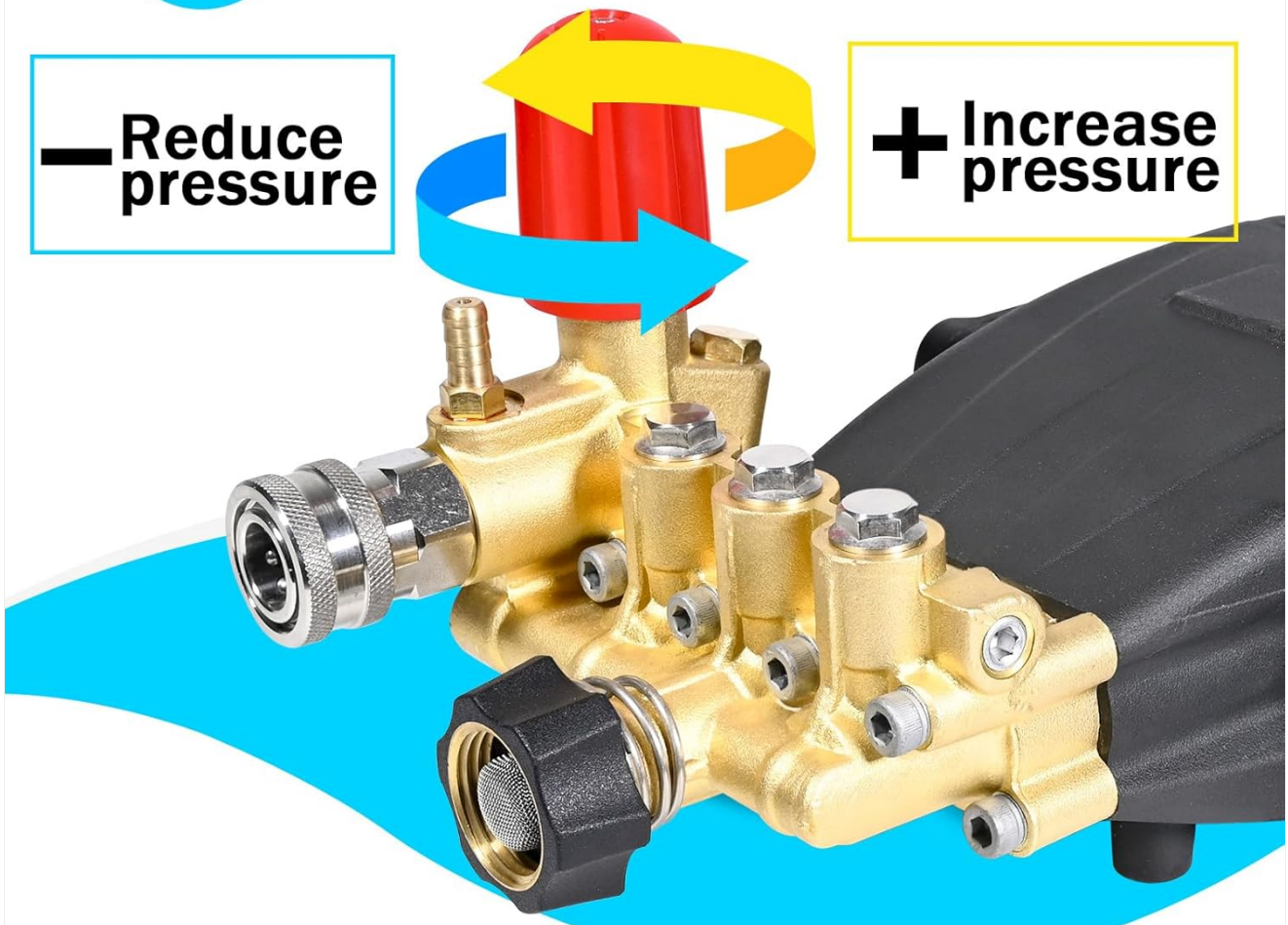


Figure 4: Adjusting pressure using the unloader valve.

Chemical Injection:

The pump includes a chemical injector for applying cleaning solutions. Refer to your pressure washer's main manual for specific instructions on how to use the chemical injection feature with your unit.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your MUTURQ Triplex Pressure Washer Pump.

Oil Maintenance:

- The pump comes pre-filled with SAE 15W-40 oil.
- Always check the oil level using the convenient oil sight glass before each use.

- Change the pump oil every 50 hours of running time. Use SAE 10W-40 engine oil for replacement.
- Before use, replace the breathing valve (oil inlet cap) with the yellow cap provided in the accessories.

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EASY INSTALLATION



Figure 5: Oil sight glass and rust-resistant crankcase.

Need SAE 10W-40 engine oil
Change oil every 50 hrs runing time



Figure 6: Oil inlet and oil change recommendations.

Thermal Relief Valve (TRV):

The integrated Thermal Relief Valve (TRV) automatically protects the pump from overheating when the pressure washer is in bypass mode (e.g., when the trigger is released). Ensure this valve is clear of debris and functioning correctly.

TROUBLESHOOTING

This section addresses common issues you might encounter with your pressure washer pump. For more complex problems, please contact technical support.

• Low Pressure Output:

- Check water supply: Ensure adequate water flow to the pump.
- Adjust unloader valve: Turn the unloader valve knob clockwise to increase pressure.
- Inspect nozzles: Clogged or worn nozzles can reduce pressure. Clean or replace as needed.
- Air in pump: Run water through the pump with the engine off until all air is purged.

• Pump Overheating:

- Ensure continuous water flow.
- Check TRV: Verify the Thermal Relief Valve is not obstructed.
- Avoid prolonged bypass mode: Do not leave the pressure washer running in bypass mode for extended periods without spraying.

• Oil Leakage:

- Check oil seals and gaskets. If leaks persist, contact technical support.

SPECIFICATIONS

Detailed specifications for the MUTURQ Triplex Pressure Washer Pump, Model Triplex 3500PSI.



Max Pressure (PSI)	1800 - 3500
Max Flow Reta (Gallon pre min)	3.0 GPM
Engine Shaft	3/4"
Pump Type	TRIPLEX
Engine Type	HORIZONTAL
Manifold	BRASS
Crankcase	ALUMINUM

Figure 7: OEM Power Washer Pump Specifications.

Feature	Specification
Brand	MUTURQ
Model	Triplex 3500PSI
Maximum Pressure	3500 PSI
Maximum Flow Rate	3.0 GPM (Gallons Per Minute)
Engine Shaft Diameter	3/4 inch
Pump Type	Triplex Plunger
Engine Type Compatibility	Horizontal (5-8 HP engines)
Manifold Material	Brass
Crankcase Material	Aluminum
Item Weight	11.97 pounds
Package Dimensions	14 x 11 x 11 inches

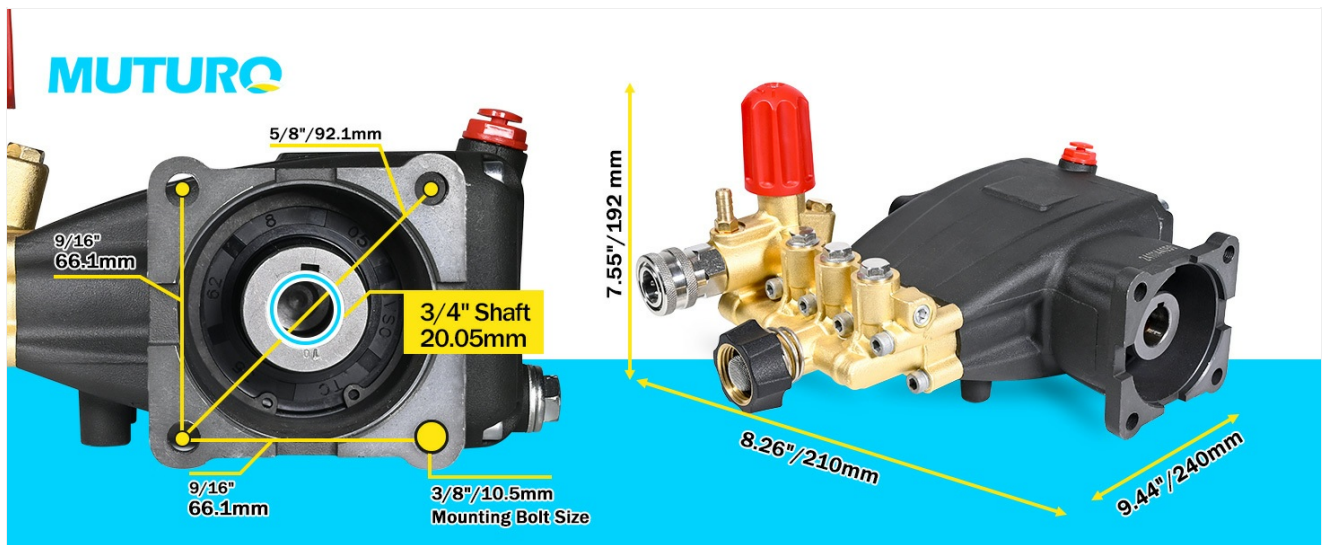


Figure 8: Pump dimensions for installation planning.

WARRANTY INFORMATION

Specific warranty details for the MUTURQ Triplex Pressure Washer Pump are not provided in this manual. For information regarding product warranty, coverage, and claims, please refer to the product packaging or contact MUTURQ customer support directly.

CUSTOMER SUPPORT

For any technical assistance, pre-sale model matching consultation, replacement services, or other inquiries, please feel free to contact MUTURQ professional technical support. Our team is available to provide guidance and resolve any issues you may encounter.

Please have your product model (Triplex 3500PSI) and any relevant purchase information ready when contacting support to ensure efficient service.

