

General Pump TS1511

General Pump TS1511 T Series 47 Forged Brass Manifold

Instruction Manual

INTRODUCTION

This manual provides essential information for the proper installation, operation, maintenance, and troubleshooting of your General Pump TS1511 T Series 47 Forged Brass Manifold. This product is a high-quality triplex pressure washer pump designed for demanding applications. Please read this manual thoroughly before attempting to install or operate the pump to ensure safe and efficient performance.

SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the equipment:

- **High Pressure Hazard:** This pump generates extremely high pressure. Never direct the discharge stream at people, animals, or electrical equipment.
- **Proper Installation:** Ensure all connections are secure and leak-free before operation. Incorrect installation can lead to leaks and system failure.
- **Eye Protection:** Always wear appropriate eye protection when working with pressure washing equipment.
- **Moving Parts:** Keep hands, feet, and clothing clear of all moving parts during operation.
- **Ventilation:** If operating with a gasoline engine, ensure adequate ventilation to prevent carbon monoxide poisoning.
- **Read All Manuals:** Refer to the complete pressure washer system manual for additional safety guidelines.

SETUP

Careful setup is crucial for the longevity and performance of your pump.

1. Unpacking and Inspection:

- Carefully remove the pump from its packaging.
- Inspect the pump for any visible damage that may have occurred during shipping. Report any damage to your supplier immediately.

- Ensure all components listed in the packing slip are present.

2. Mounting:

- Mount the pump securely to a stable, level surface, typically the frame of a pressure washer unit.
- Ensure proper alignment with the power source (e.g., gasoline engine) to prevent undue stress on the shaft. The pump features a 24mm solid shaft.

3. Water Inlet Connection:

- Connect the water supply line to the pump's inlet port. The inlet is a 1/2" FPT (Female Pipe Thread) connection.
- Use appropriate thread sealant and ensure a tight, leak-free connection.
- Always use a water filter on the inlet line to prevent debris from entering the pump.

4. High-Pressure Outlet Connection:

- Connect the high-pressure hose to the pump's outlet port. The outlet is a 3/8" FPT (Female Pipe Thread) connection.
- Ensure this connection is also tight and leak-free.

5. Oil Level Check:

- Verify the oil level in the pump's crankcase before first use. Refer to the pump's oil sight glass or dipstick.
- Use the manufacturer-recommended pump oil.

OPERATING

The TS1511 pump is a component of a larger pressure washing system. Its operation is integrated with the power source (e.g., gasoline engine) and the water supply.

1. Pre-Operation Checks:

- Confirm all connections (water inlet, high-pressure outlet) are secure.
- Ensure the water supply is turned on and flowing freely to the pump.
- Check the pump oil level.
- Verify that the unloader valve is set correctly for your application.

2. Starting the Pump:

- With the water supply on and the trigger gun open (or unloader in bypass), start the power source (engine/motor) according to its manufacturer's instructions.
- Allow water to flow through the system to purge any air before engaging the trigger gun.

3. During Operation:

- Monitor the pump for unusual noises or vibrations.
- The pump is designed to deliver a maximum flow rate of 4.0 GPM (Gallons Per Minute) and a maximum pressure of 3500 PSI (Pounds per Square Inch) at 1450 RPM.
- Avoid prolonged operation in bypass mode, as this can lead to overheating and damage.

4. Shutting Down:

- Release the trigger on the spray gun.
- Turn off the power source (engine/motor).
- Turn off the water supply.
- Relieve any remaining pressure in the system by squeezing the trigger gun.

MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your General Pump TS1511.

- **Oil Changes:** Change the pump oil after the first 50 hours of operation, then every 3 months or 500 hours, whichever comes first. Refer to the pump manufacturer's recommendations for oil type and capacity.
- **Inlet Filter Cleaning:** Regularly inspect and clean the inlet water filter to prevent debris from entering the pump and causing damage.
- **Connection Checks:** Periodically check all hose connections and fittings for leaks. Tighten or replace as necessary.
- **Visual Inspection:** Inspect the pump for any signs of wear, corrosion, or damage. Pay close attention to seals and valves.
- **Winterization:** If operating in freezing temperatures, properly winterize the pump by flushing it with an antifreeze solution to prevent damage from ice expansion.
- **Storage:** Store the pump in a clean, dry environment when not in use.

TROUBLESHOOTING

This section addresses common issues you might encounter with your pump.

Problem	Possible Cause	Solution
No pressure or low pressure	• Insufficient water supply • Air in the pump • Clogged inlet filter • Worn seals or valves • Improperly adjusted unloader	• Check water source and hose for kinks • Purge air by running water through the system with the gun open • Clean or replace inlet filter • Inspect and replace worn components • Adjust unloader valve according to system requirements
Water leaks from pump	• Loose fittings • Worn seals or O-rings • Cracked manifold (rare)	• Tighten all connections • Inspect and replace damaged seals or O-rings • Contact a qualified technician for manifold inspection
Pump making unusual noise	• Lack of lubrication (low oil) • Air in the system • Worn bearings or internal components	• Check and add oil to the correct level • Purge air from the system • Contact a qualified technician for inspection and repair

SPECIFICATIONS

Key technical specifications for the General Pump TS1511 T Series 47 Forged Brass Manifold.

- **Model:** TS1511
- **Series:** T Series 47
- **Manifold Material:** Forged Brass

- **Shaft Type:** 24mm Solid Shaft
- **Maximum Flow Rate:** 4.0 GPM (Gallons Per Minute)
- **Maximum Pressure:** 3500 PSI (Pounds per Square Inch)
- **RPM:** 1450 RPM
- **Inlet Port:** 1/2" FPT
- **Outlet Port:** 3/8" FPT
- **Item Weight:** Approximately 32 Pounds
- **UPC:** 698035075850
- **Part Number:** JGPTS1511

WARRANTY

The General Pump TS1511 T Series 47 Forged Brass Manifold comes with an exclusive lifetime warranty on the forged brass manifold. For specific terms, conditions, and claim procedures, please refer to the official General Pump warranty documentation or contact General Pump customer service.

SUPPORT

For technical assistance, replacement parts, or further information regarding your General Pump TS1511, please contact General Pump customer support or visit their official website. When contacting support, please have your model number (TS1511) and serial number (if applicable) ready.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question