

TOOLCY 4400PSI-Stainless Steel Outlet

TOOLCY 4400 PSI Triplex Plunger Pressure Washer Pump User Manual

Model: 4400PSI-Stainless Steel Outlet

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your TOOLCY 4400 PSI Triplex Plunger Pressure Washer Pump. Please read all instructions carefully before use to ensure proper function and to prevent injury or damage.

Safety Information

Always wear appropriate personal protective equipment (PPE) when operating pressure washing equipment, including eye protection, hearing protection, and gloves. Ensure the work area is clear of bystanders and pets. This pump is designed for COLD WATER use only.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package. If any parts are missing or damaged, please contact TOOLCY customer support.

- 1x TOOLCY Triplex Plunger Pressure Washer Pump
- 1x Shaft Key
- 1x Oil Breather Plug (yellow)
- 4x Mounting Bolts
- Washers for mounting bolts
- Chemical Injector Tube

PACKAGE LIST



Figure 2.1: Included components with the TOOLCY pressure washer pump.

3. TECHNICAL SPECIFICATIONS

Brand	TOOLCY
Model	4400PSI-Stainless Steel Outlet
Maximum Pressure	4400 PSI
Maximum Flow Rate	4 GPM
Shaft Diameter	1 inch
Shaft Orientation	Horizontal
Recommended Engine Horsepower	9-15 HP (270-420cc)
Recommended Rated RPM	3400 RPM

Inlet Connection	3/4" NH Garden Hose
Outlet Connection	3/8" Quick Connect
Material	Anodized Aluminum Crankcase, Brass Pump Head
Item Weight	19.96 pounds (9.07 kg)

Compatibility: This pump is compatible with various gas engines including Honda GX340, GX390, GX270; Simpson Armor 41114, 41096, 41115; Simpson Monster 41113, 41028, 41030, 41032, 41034; AAA 90039, 90038, 90034, DW3635; AR RKV3G27, RKV3G34, RKV4G36, RSV4G40, RKV3G39, RRV4G40HD, RG 2125HN, RG 1528HN, SLPHP4040-402; CAT 66DX40GG1, 66DX35G1I; and others like 3-0308, 3-0350, EXHP3640, EZ4040G, EZ4040, TS2021, WS202, DXPW3035, DXPW3535, DXPW4035.

4. SETUP AND INSTALLATION

Follow these steps to properly install the TOOLCY pressure washer pump onto your gas engine.

4.1 Preparing the Engine

1. Ensure the engine is turned off and cooled down.
2. Pull the recoil starter to rotate the engine shaft until the keyway is facing upward.
3. Insert the new shaft key (included with the pump) into the engine shaft keyway. A light coating of anti-seize compound on the engine shaft is recommended for easier future removal.

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Video 4.1: Demonstrates the easy installation process of the 1-inch shaft triplex pump, including preparing the engine shaft and inserting the keyway.

4.2 Mounting the Pump

4. Align the keyway on the pump with the key on the engine shaft.
5. Carefully push the pump all the way onto the engine shaft until it is fully seated.
6. Rotate the pump until its mounting holes align with the engine block mount.
7. Install the new bolts and tighten them securely and evenly to ensure there are no gaps.

EASY INSTALLATION

FOR HORIZONTAL 1 INCH SHAFT ENGINE

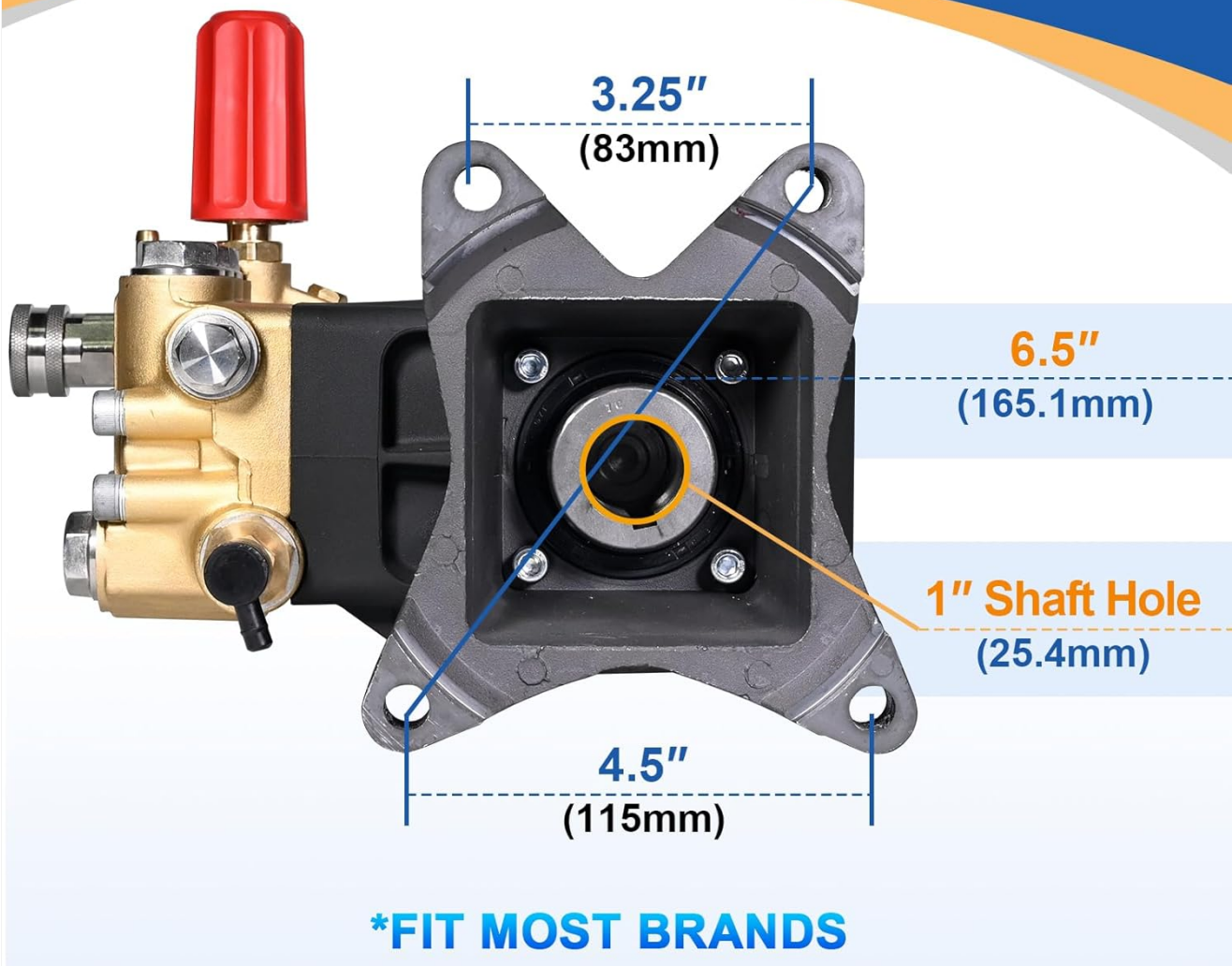


Figure 4.2: Pump mounting dimensions for horizontal 1-inch shaft engines.

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Video 4.2: Detailed setup instructions for the 1-inch shaft triplex pressure washer pump from TOOLCY, showing pump alignment and bolt tightening.

4.3 Oil Breather Plug Installation

8. Remove the red oil plug from the pump.
9. Install the yellow oil breather plug into the opening. This allows for proper ventilation during operation.

CONVENIENT OIL SIGHT GLASS FOR EASY OIL INSPECTION



* OIL PRE-FILLED:

- ① CHECK the oil level at the oil sight glass before use.
- ② The oil needs to be replaced every 50-60 hours with 15w-40w.
- ③ Pump for COLD WATER use only.

Figure 4.3: Oil sight glass and breather plug location.

4.4 Connecting Hoses

10. Connect a standard 3/4" garden hose to the pump's inlet. Ensure a tight connection to prevent leaks.
11. Connect your pressure washer hose to the 3/8" quick connect outlet.

5. OPERATING INSTRUCTIONS

Once the pump is installed and hoses are connected, you can begin operation.

5.1 Pressure Adjustment

This pump features an adjustable unloader, allowing you to fine-tune the pressure output. Turn the unloader clockwise for increased pressure and counter-clockwise to reduce pressure. The final working pressure (PSI) depends on the output/horsepower of your gas engine and the nozzle used.

ADJUSTABLE PRESSURE

TURN UNLOADER CLOCKWISE FOR MORE



4000 PSI

2800 PSI



4400 PSI
Max Pressure



4.0 GPM
Max Flow



10-15 HP
Engine



* **Tips:** The working pressure (PSI) depends on the output/horsepower of the gas power washer engine

Figure 5.1: Adjusting pressure using the unloader valve.

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Video 5.1: Overview of the TOOLCY 3600-4000 PSI Pressure Washer Pump, highlighting its features and pressure adjustment capabilities.

5.2 General Operation Tips

- Always ensure a steady supply of cold water to the pump before starting the engine. Running the pump dry can cause severe damage.
- Use appropriate nozzles for the cleaning task. Different nozzles provide varying spray patterns and pressures.
- When not actively spraying, release the trigger to allow the unloader to bypass water, reducing strain on the pump and engine.
- This pump is suitable for residential and light commercial pressure washing tasks such as cleaning driveways, decks, fences, sidewalks, and vehicles.



RENEW YOUR GAS POWER WASHER

Figure 5.2: Examples of cleaning applications for the pressure washer pump.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your pressure washer pump.

6.1 Oil Level Check and Replacement

- The pump comes with pre-filled oil. Before first use, check the oil level at the oil sight glass.
- The oil needs to be replaced every 50-60 hours of running time. Use 15W-40 oil.
- The sight glass helps you easily monitor the oil level and detect if water has clouded the oil, indicating a potential issue.

6.2 Storage

- Before storing, especially in freezing temperatures, ensure all water is drained from the pump and hoses to prevent damage.
- Store the pump in a dry, protected area.

7. TROUBLESHOOTING

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

7.1 Low Pressure Output

- **Check Water Supply:** Ensure the garden hose is fully open and providing adequate water flow.
- **Inspect Nozzle:** A clogged or worn nozzle can reduce pressure. Clean or replace as needed.
- **Adjust Unloader:** Turn the unloader clockwise to increase pressure.
- **Air in System:** Run water through the pump with the engine off and trigger open to purge air before starting.

7.2 Water Leaks

- **Check Connections:** Ensure all hose connections are tight and properly sealed.
- **Inspect O-Rings:** Worn or damaged O-rings in quick connects or hose fittings can cause leaks. Replace if necessary.

7.3 Pump Not Engaging

- **Engine Running:** Confirm the gas engine is running correctly.
- **Shaft Key:** Ensure the shaft key is properly seated and the pump is fully engaged with the engine shaft.

8. WARRANTY AND SUPPORT

For warranty information, technical assistance, or to purchase replacement parts, please contact TOOLCY customer support. Refer to your product packaging or the official TOOLCY website for the most current contact details. You can also visit the [TOOLCY Store on Amazon](#) for additional products and information.