

This is a guide to replacing the pump for your WEN PW31 or PW3100 3100PSI Pressure Washer. This guide is best used in conjunction with the PW31 or PW3100 manual, included as a physical copy with your unit and available on the WEN website pages (PW31 link [here](#), PW3100 link [here](#)), by clicking “Click here to view the product manual”.

If at any point you need assistance, have questions, or want to order parts, call WEN customer service at 1-800-232-1195, M-F, 8-5 Central Time, or email techsupport@wenproducts.com.

If replacing any parts, use only genuine replacement parts purchased from WEN Products. Use of replacement parts not sold by WEN Products will void the product’s warranty and could lead to decreased performance or injury.

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TOOLS NEEDED

You will need:

- A 10mm combination wrench or socket and ratchet

You may want:

- An 8mm combination wrench
- Gloves
- Needle-nose pliers

ENSURE THAT THE ENGINE AND MUFFLER ARE COOL BEFORE BEGINNING ANY MAINTENANCE OR REPAIR WORK. FOLLOW ALL SAFETY PROCEDURES LISTED IN YOUR OWNER’S MANUAL. USE COMMON SENSE. AVOID INJURY.

OPTIONAL – REMOVING MUFFLER COVER

If desired, the muffler cover may be removed prior to removing the pump. This will help prevent a bruise if your wrench slips when removing the pump mounting bolts.

1. ENSURE THAT THE MUFFLER AND MUFFLER COVER ARE FULLY COOLED.
2. Use the 8mm wrench to remove the three screws shown in Figs. 1 – 2 below.



Fig. 1: Remove this screw.



Fig. 2: Remove these 2 screws.

3. Remove the muffler cover and set it aside.

REMOVING OLD PUMP

1. Relieve any pressure in the system by squeezing the gun trigger.
2. Disconnect the water supply and the high-pressure hose from the pump.
3. Place the pressure washer on a level surface.
4. Disconnect the detergent hose from the barbed fitting on the pump (see Fig. 3 below).
 1. TIP: needle-nose pliers are helpful to gently work the hose off the fitting.



Fig. 3: Remove hose from fitting.

5. Use the 10mm wrench to remove the four pump-mounting screws shown in Figs. 4 & 5 below.



Fig. 4: Top pump-mounting screws.



Fig. 5: Bottom pump-mounting screws.

6. Gently slide the pump off the engine shaft.

INSTALLING NEW PUMP

1. Grab the new pump.
2. Align the slot on the pump sleeve (see Fig. 6 below) with the shaft key (see Fig. 7 below).

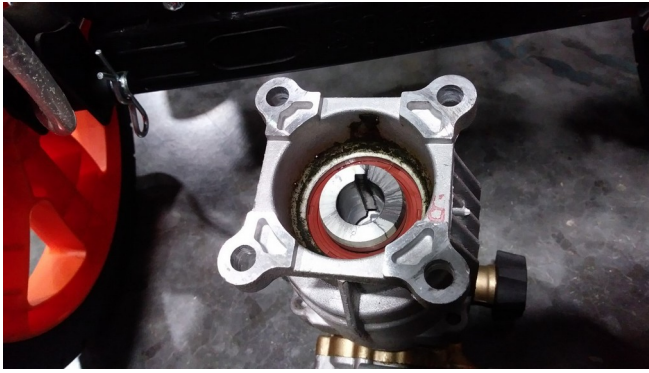


Fig. 6: Slot in pump sleeve mates with shaft key.

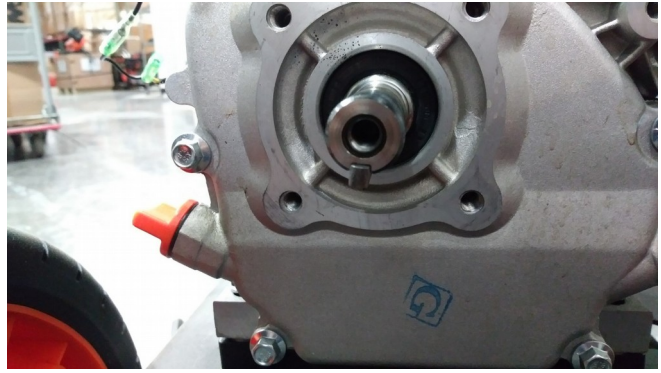


Fig. 7: Shaft key.

3. Align the four holes on the pump with the holes on the engine crankcase.
4. Re-install the four screws (see also Figs. 4 & 5 above) and tighten them finger tight.
5. Pick one of the four screws and tighten it fully with the 10mm wrench. Proceed in a circle, tightening each screw. Go around the circle twice, making sure all bolts are fully tightened.
6. Prepare the pressure washer for operation as instructed in your owner's manual.

QUESTIONS? PROBLEMS?

Contact WEN Customer Service at 1-800-232-1195, M-F, 8-5 CST, or email
techsupport@wenproducts.com