

# Water Pump Replacement for CX630 and CX660 Pressure Washers

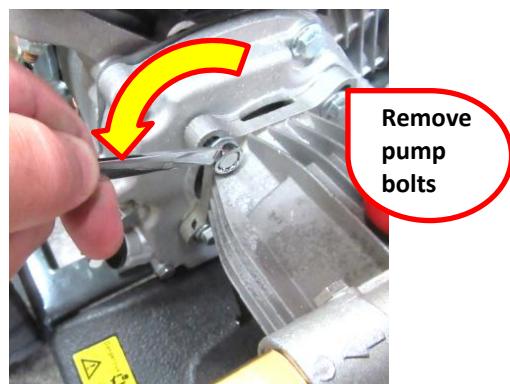
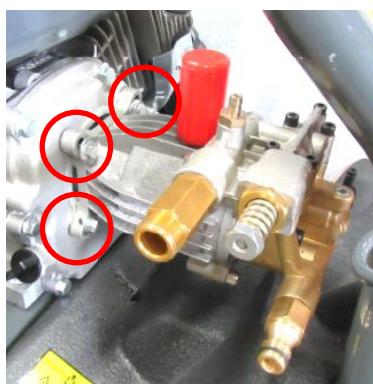
Read, understand and follow these instructions BEFORE installing a replacement pump.  
**Failure to correctly install the pump may void warranty.**



## Pump Replacement – CX630 and CX660

The water pump used on CX630 and CX660 models can be replaced. There have been several pump models used (appearance may vary to images below). This instruction describes replacing a previous model pump with the latest "sealed" type, however, can be applied to pump replacement in general.

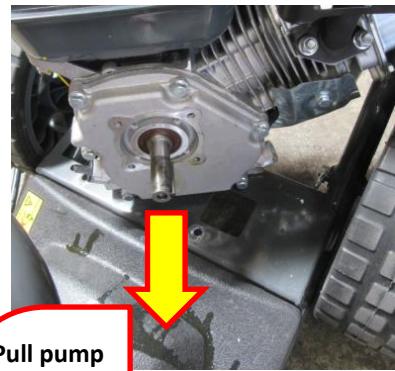
1. Ensure that the machine is sitting on a flat and level surface.
2. Disconnect all hoses from the pump [inlet, outlet, detergent].
3. Locate the 4 bolts securing the pump to the engine. Use a 10mm spanner or socket to remove the bolts.



4. Locate the engine mounting bolts. Loosen the bolt nearest the engine on/off switch, then remove the remaining 3 bolts (requires two 12mm spanners).



5. Gently rotate the engine and pump to the right. It is necessary to do this to remove the pump. When the pump is clear of the machine frame, pull it from the end of the crankshaft.



- Align the key on the crankshaft with the slot inside the replacement pump. If necessary, slowly pull the engine starter cord to rotate the crankshaft to a suitable position. Carefully slide the pump onto the crankshaft (the key and slot must align). Ensure the pump "head" with outlet fitting and detergent tube is at the top.



- Rotate the engine back into its original position and secure it using the previously removed engine mounting bolts. Ensure the bolts are tight.
- Secure the pump to the engine using the previously removed mounting bolts. Tighten the bolts sequentially, first to finger-tight, then a little more with a spanner, then to full tightness.
- Remove the inlet hose connector from the original pump and install it to the inlet connection on the new pump. Ensure that the O-ring is in good condition and ensure that the fitting is tight. It is recommended to use plumbers / Teflon tape on all threaded water pump connections.



## Hose Routing – CX660 Only

**The pump outlet hose to the hose reel must be routed as described below. This is to prevent it being exposed to excessive engine exhaust heat that may cause damage to the hose.**

- Ensure that the hose reel is mounted with the handle on the right-hand side and the pump hose on the left-side of the machine (when standing behind the machine and looking forward). If this is not the case, [watch this video](#).
- Route the pump-to-reel hose UNDER the engine, then connect it to the pump outlet.
- Secure the hose with cable ties to the machine frame, then trim off excess cable-tie.

