

Mounting Instructions for the PK18219-RPL Replacement Pump Kit

Please read through complete directions before replacing the pump.

The pump is used as a replacement pump for many different manufactures who require a stand $\frac{3}{4}$ inch shaft replacement pump with a 4 bolt pattern.

The PK18219-RPL 520002 Pump Kit is a pre-assembled sealed pump with 6.0 ounces of 15w40 Full Synthetic Oil and will not require oil to be added to the pump before use. The pump will not require the oil to be changed for 250 hours of use.

The pump kit consists of the following parts:

- 1) Pump 3100 PSI @ 2.4 GPM Max depending on nozzle size.
 - 2800 psi @ 2.5 GPM
 - 2600 psi @ 2.6 GPM
 - 2400 psi @ 2.8 GPM
- 1) 22mm Male x 15mm Female installed brass hose adaptor fitting.
- 1) 3/16 Square Drive Key
- 1) 1/4 Thermal Relief Valve- Already Installed
- 1) 22mm Adaptor with 3/8 Quick Connect Fitting

Mounting Instructions:

- 1 Remove the old pump from the engine shaft by removing the 4 bolts that are currently holding the pump to the engine.
Remove the pump from the engine shaft and remove the old 3 /16 Drive key from the crankshaft.

We suggest spraying the bolt and pump shaft with “Break Away” or a similar type of penetrating fluid to help in the removal process of the bolts and pump.

- a. Sometimes you may need to allow the pump to set for several hours before removing the pump do to rust and corrosion on the pump shaft.
 - b. Some removals may require the pump to be carefully wedged off of the engine crankshaft. If this process is required take great care not to damage the engine case. Too much pressure against the engine case could cause a small crack in the engine case.
- 2 After the old pump is removed, remove and discard the old 3/16 square drive key and then clean the engine crankshaft with some emery cloth or steel wool as well as the keyway in the crankshaft.

- 3 Apply a light coat of “Anti-Seize” or similar grease on to the crankshaft and place the new 3/16 drive key that was provided in the pump kit into the keyway of the crankshaft.
Tap the new 3/16 drive key into the keyway and securely seat the new 3/16 drive key.
- 4 Align the keyway of the new pump to the keyway and new 3/16 drive key of the engine and slide the pump on to the crankshaft. This new pump should slide completely on to the crankshaft of the engine with little effort.
If the new pump does not slide on to the engine crankshaft with little effort you may need to clean the crankshaft of the engine better and also make sure the new 3/16 drive key is aligned properly.
- 5 Once the new pump has been installed you will need to make sure the four mounting bolts are cleaned well and have had some Blue Loctite applied to the threads of all 4 mounting bolts.
Install the 4 bolts and torque the bolts in a staggered pattern to 110 Inch pounds.
- 6 The PK18219-RPL Pump Kit pump is now ready to have water attached to the pump and start the break in process.
- 7 Attach the inlet water hose to the pump and turn your inlet water hose on **without** your **High Pressure** hose connected.
Allow the water to come through the pump for 2-3 minutes **without** starting your engine.
- 8 With the **inlet water still on**, now start the engine of your pressure washer and allow the pump to operate **without** the High Pressure hose connected for 5 minutes to complete the break in procedure.
Now turn the pressure washer engine off and then turn your inlet water off.
Your pump is now ready to be used.
- 9 Please refer to your owner’s manual for starting and operating procedures for your pressure washer.
Make sure the pump is winterized to prevent freezing and should always have pump conditioner installed when the pump will not be used for more than 30 days to help prevent any damage that could be caused by corrosion.

The PK18219-RPL Pump Kit replacement pump comes with a 1 year manufactures warranty.

For questions, comments or concerns please contact our customer service department at: 1-877-475-5660 or email them at: customerservice@allpatrtsinc.com