

Raw Power Oil Transfer Pump Manual

www.wvodesigns.com
843-972-4211 support@wvodesigns.com

Sku: 1069 rev A



Thank you for purchasing the Raw Power Oil Transfer Pump from WVO Designs. This product is designed to move oil fast.

Pump a variety of oils with this transfer pump. The pump is meant to move oil unrestricted, so a filter would wear the pump motor unless you use a bypass valve. Use a course screen for the pump so as not to suck in bags, rags and the like. Pump will pass and grind up smaller particles.

*Suction height: 15ft. Pump height: 90ft.

*Inlet sticker may not be accurate as motor is made separately from pump head.

Parts List

QUANTITY	DESCRIPTION	PART
1	3/4 HP Baldor Motor	w1020
1	Pump Head 10, 15 or 25gpm	WCB-xx
1	Coupler, 14mm, Lo70	Lo70X14MM
1	Coupler, 16mm, Lo70	Lo70X16MM
1	Coupler Element, Rubber, Lo70	Lo70N
2	Pump Head Hose Barb Attachments	n/a
2	Pump Barb Attachment Gaskets	n/a
8	M6 x 20 screw	91280A330

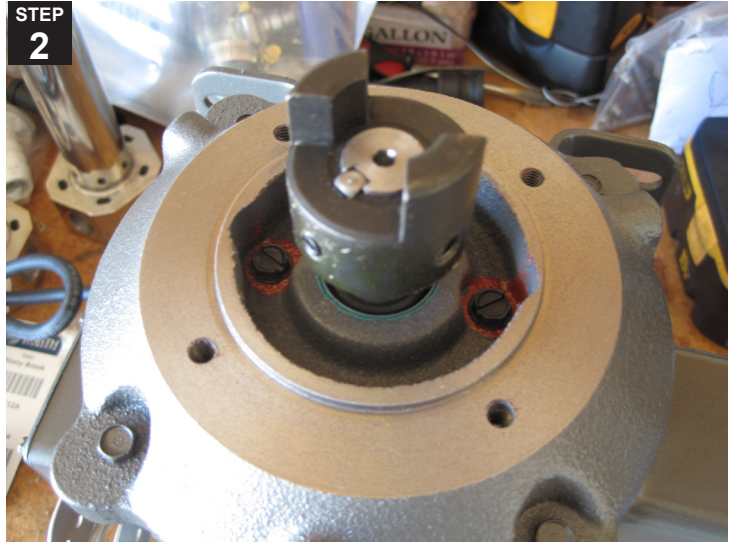
Assembly Instructions

STEP
1



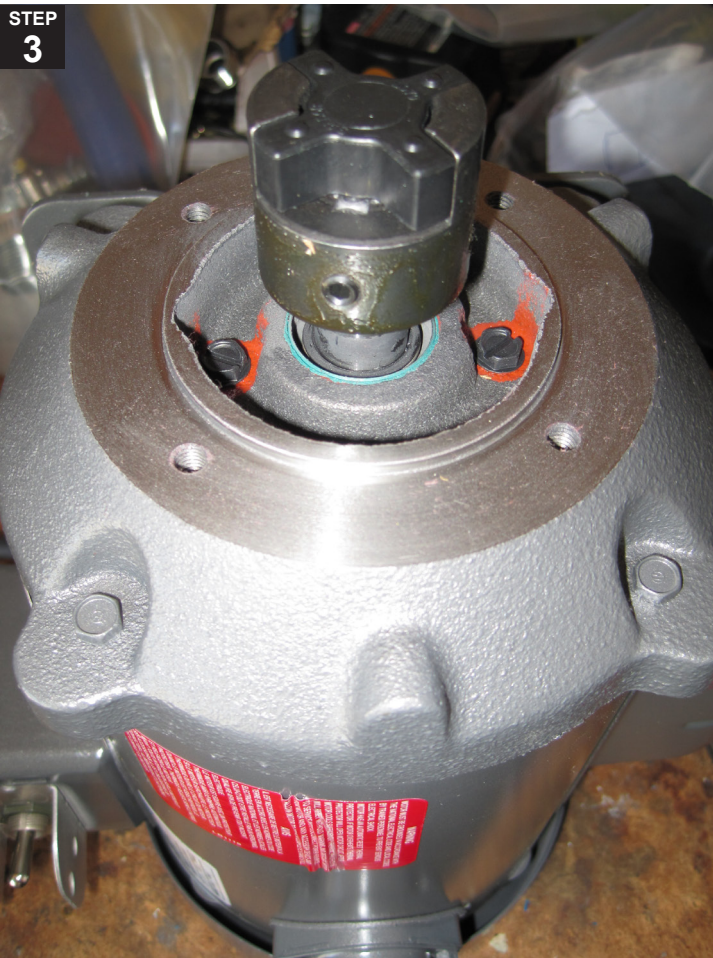
Place coupling on pump head shaft. Tighten both screws with 3mm allen wrench.

STEP
2



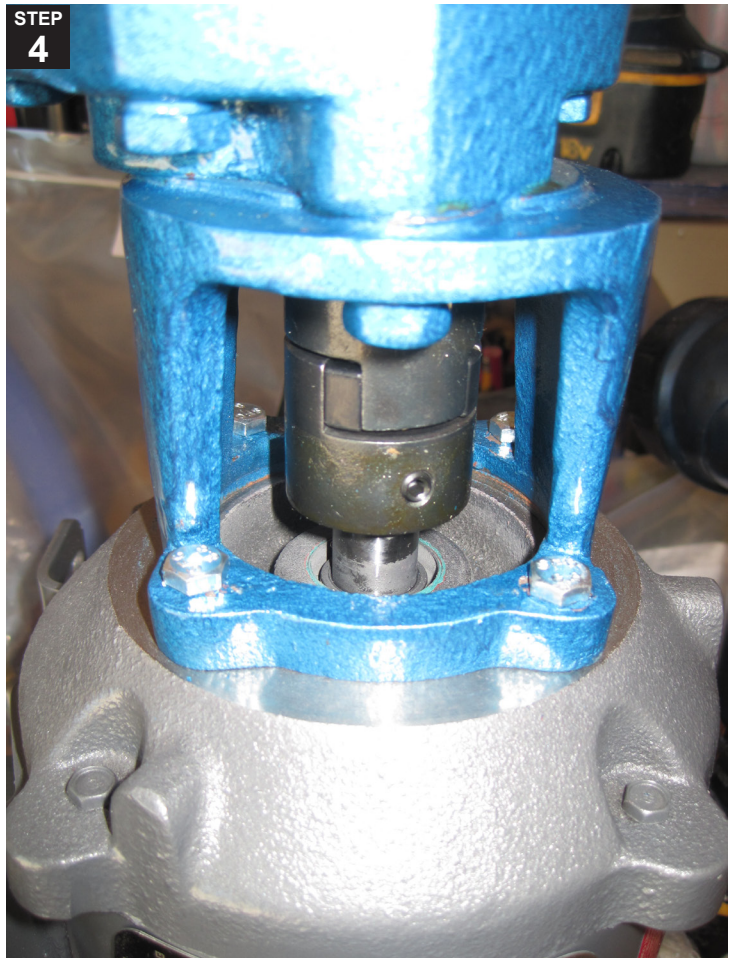
Place other coupling on motor shaft and tighten both screws.

STEP
3



Place rubber insert into coupling.

STEP
4

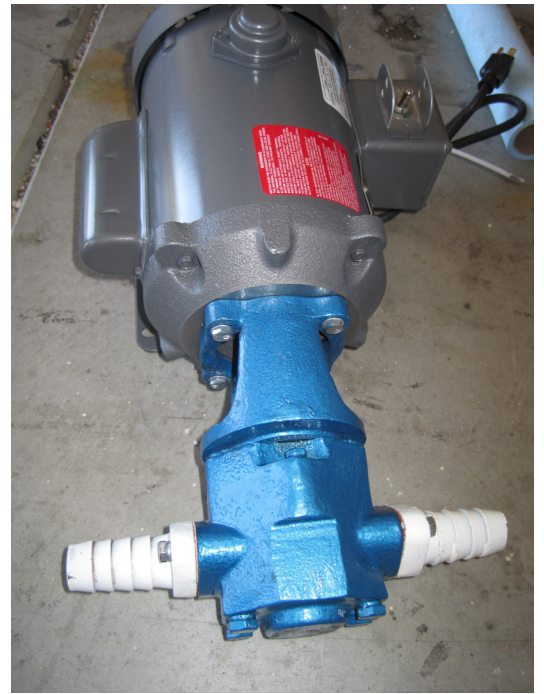


Stand motor on end and affix pump head.

STEP
5



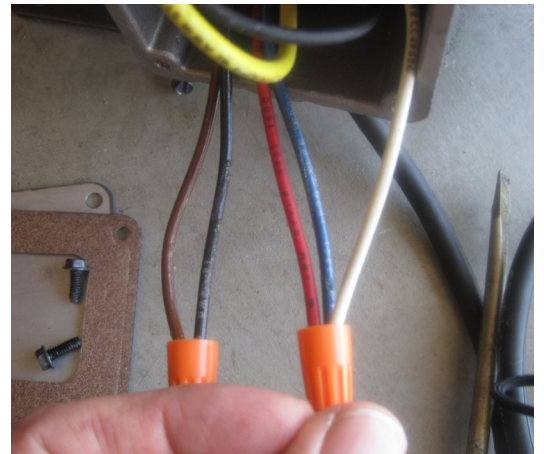
Place gasket between hose barb and pump head and tighten with remaining screws.



The complete pump.



*Note -Vacuum hose is difficult to push on fittings. Use a heat gun, hair dryer or a lighter if in a pinch. *Reversible flow: The pump flow is reversible by switching the wiring or adding a switch. Check the white label for specs, or email us for instructions how.



Troubleshooting

*Pump Not Priming—Check connections for air leaks

*Pump not turning on—Check to see if pump head shaft spins freely. If not then open up pump head to check for debris. Pump head can be opened from the shaft side.

*Pump shutting off, overloading or cycling—Flow is likely restricted. There may be too much restriction on the pump with a filter, or screen, small diameter hose or too viscous fluid. Remove fine filters, shorten the length of the hose or get larger hose. You can also change to a lower GPM pumphead for more suction power.