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## How To Change Your Water Pump

1. Loosen bolts on your lower unit...use a box wrench....Do not use pliers!.....you do not want to strip or break any bolts heads here. I also sprayed some Liquid Wrench on then before I started. Your motor MAY have to be in forward OR reverse.



2. Find a bucket or a stool. You'll need something to support the lower unit once it is loose...some books recommend that you take off the prop.



3. Now that you have the bolts loose you need to disconnect the shifting rod. On some outboards you disconnect the shifting rod underneath the block...on this motor which is a 28HP Johnson you have an access door. Note: This style is a pain in the butt in my humble opinion.....see below.



4. Make sure that you mark everything and do not attempt this while the boat is on the dock unless you like diving for small bolts in murky water. After getting the shift rods apart the lower unit will drop down on you hence why I suggest the stool or bucket under the lower unit.



5. Again you'll want to mark everything! The next step is to replace the water pump itself. You'll need to loosen the 4 bolts as seen in the above picture. What the wrench is pointing to is where the water tube has to go when you put everything back together. This HAS to be aligned!
6. Next you can now replace the water pump notice ALL of the parts I have. I chose only to replace the seals and the impeller, but not the cup itself. Take care that you do not loose the little key that holds the impeller in place.



7. Below is a picture of the old pump notice the blades. This should have been replaced a long time ago!



8. Make sure that you replace ALL of the seals!...



9. Put everything back together....hopefully!.. Now for the hard part at least for me....getting the shifting rods together....if anyone knows of the trick PLEASE let me know!



10. Again thank you to Ray who was very helpful like always! Every motor is different so take the above with a grain of salt! And as always look for the sign on the water [www.lakethunderbird.com](http://www.lakethunderbird.com) stop by and say hello so that I can put a name to face!