

023771 and 023773 Repair Kit Instructions

For convertible jet pump models:

UT3121, 0036860

UT3114, 0037158

SJ05

SJ07

SJ10



⚠ WARNING **Disconnect the pump from electricity before performing any work on this product.**

Tools needed:

Flat screwdriver

Phillips screwdriver

14 mm socket or wrench

17 mm socket or wrench

2 inch socket extension

Snap ring / 90 degree circlip pliers

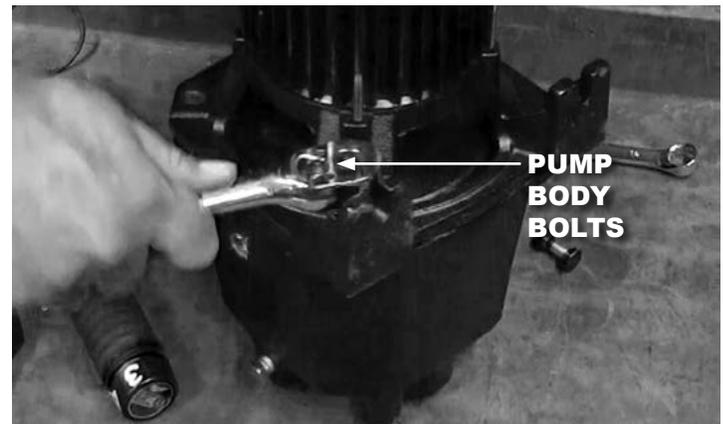
Rubber mallet

Teflon tape

1. Disconnect the pressure switch by removing the cover and loosening the three screws that hold the wires in place. Remove the strain relief nut and pull the wires through the strain relief. Unscrew the switch from the pump head.

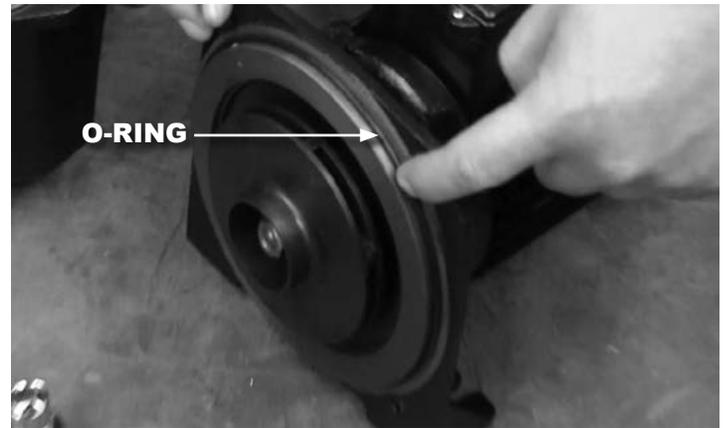


2. Remove the pump body bolts that hold the pump together along with the plastic lock washer on the outside of each bolt. Separate the pump head from the pump body.

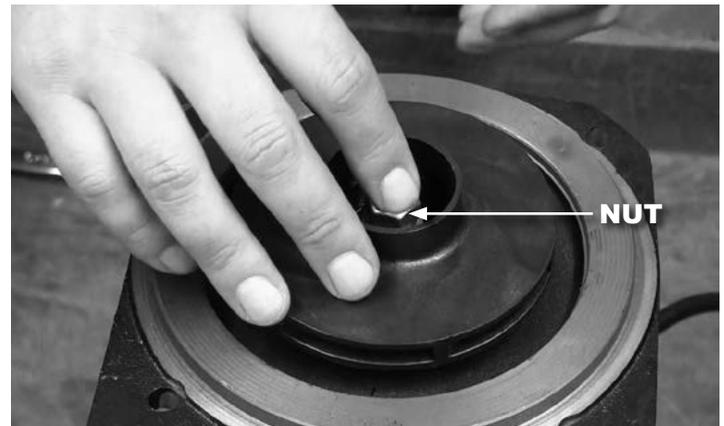


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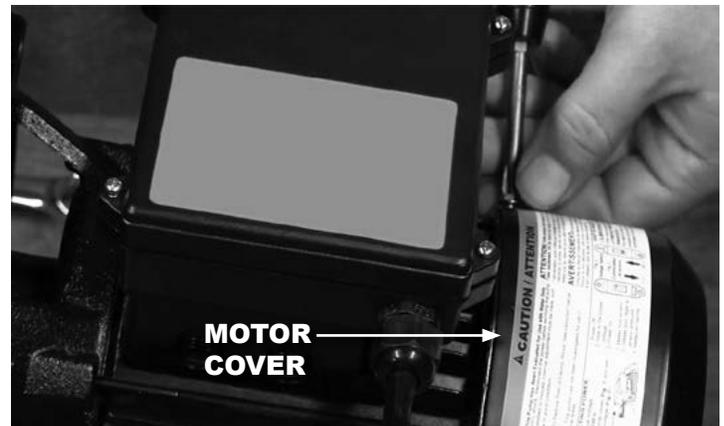
3. Note the position of the o ring inside of the pump body. Pull this off and discard it. This will be replaced later in the repair process.



4. The impeller is attached to the shaft by a nut. You will need to hold that shaft still in order to get the impeller off.



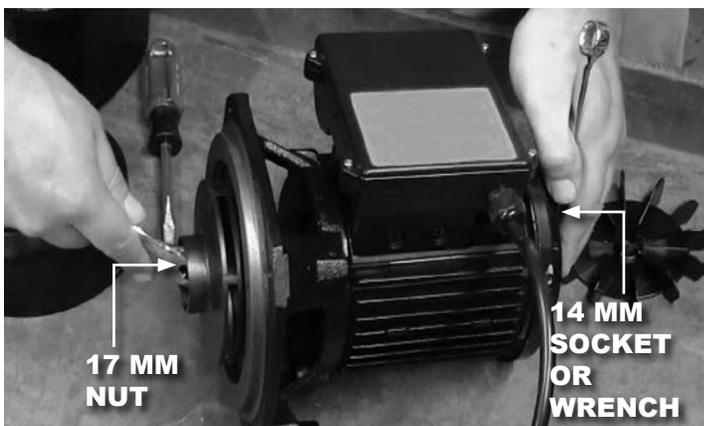
5. To reach the shaft, remove the rear motor cover and the three small Phillips head screws.



6. Carefully pry the fan off the motor shaft, rotating as you go.



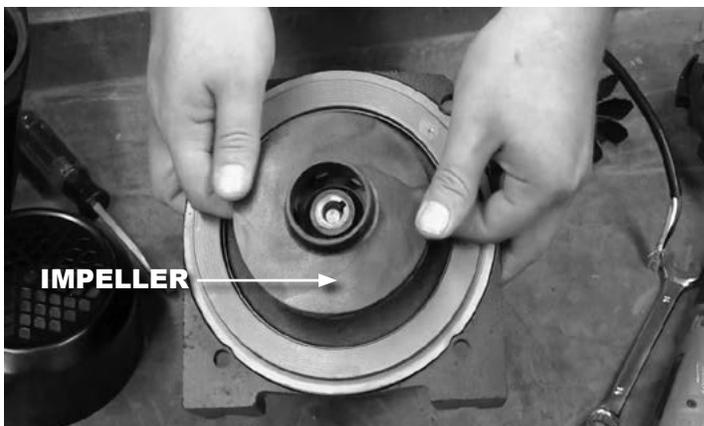
7. You will use a 14 mm socket or wrench to hold the shaft stationary while you remove the 17 mm nut from the other side of the pump.



8. To remove the impeller, remove the lock washer underneath the nut, and the flat washer underneath the lock washer. Note the sequence of parts, since you will reinstall them in the same order.



9. Once the lock washer is removed, slide the impeller off of the shaft.



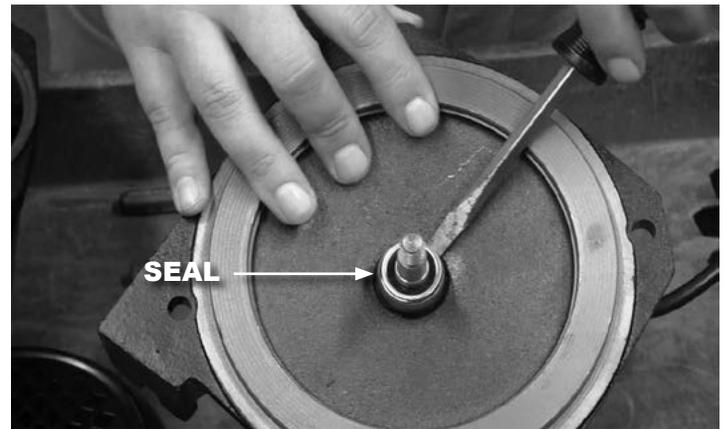
10. Remove the key from the keyway in the shaft and set it aside.



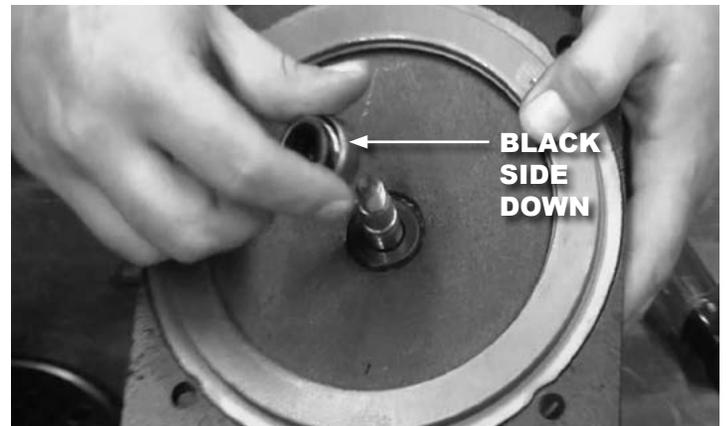
11. Using snap ring or 90° circlip pliers, spread the retaining ring apart and pull it off of the shaft.



12. Remove the flat washer located under the retaining ring, and pry the seal off of the shaft with a flat screwdriver. Discard the old seal.



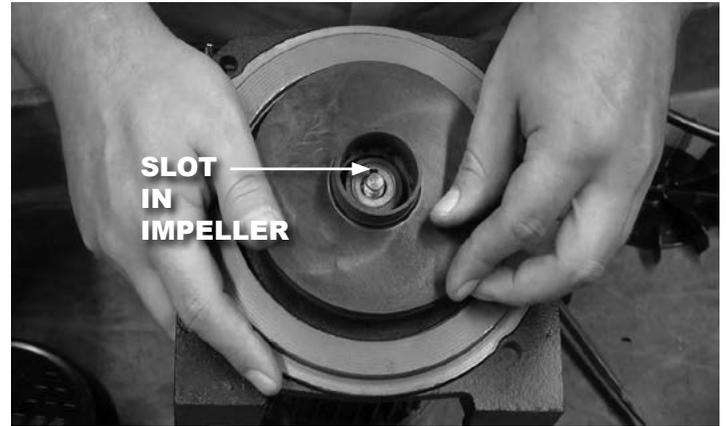
13. To install the new seal, make sure the black side is down and press it onto the shaft so it seats firmly.



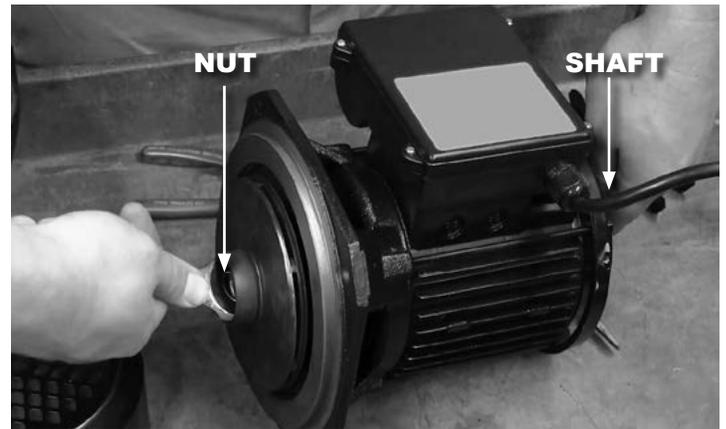
14. Reinstall the flat washer and the retaining ring. Spread the retaining ring apart, slide it over the shaft, and seat it back into the groove in the shaft.



15. Replace the key in the keyway, and reinstall the impeller, keeping the slot in the impeller lined up with the key.



16. Replace the flat washer, the lock washer and then the nut. Tighten the nut hand tight by holding the shaft still with a 17 mm socket or wrench, and turning the nut to the right.



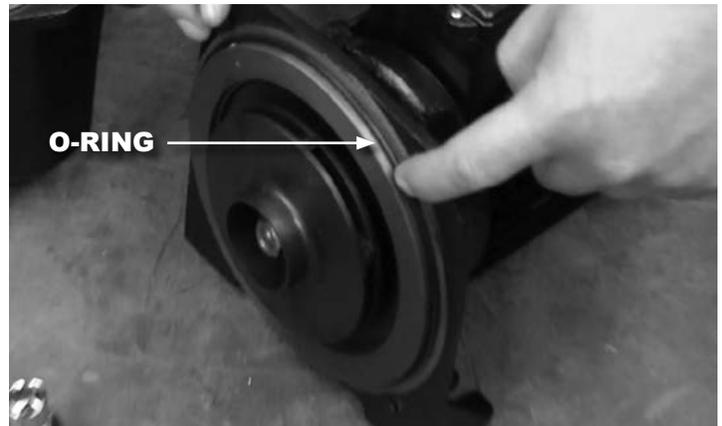
17. To replace the diffuser, pry it out of the pump head with a flat head screwdriver.



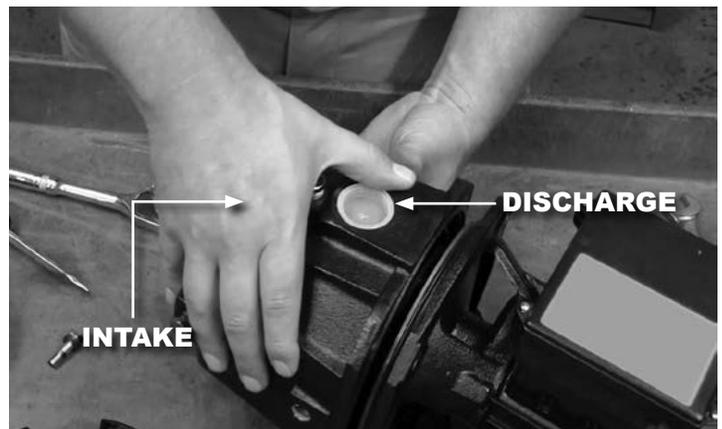
18. Discard the old diffuser, and install the new one from the repair kit. Alignment isn't required, but it may need a tap from a rubber mallet to seat back into the ridge inside the pump head.



19. Reinstall the o-ring so it seats inside the ridge inside the pump body.



20. Reattach the pump head to the pump body, making sure the discharge is on top and the intake is on the front.



21. Reinstall the hardware, using a 14 mm socket with a 2 inch extension where needed. These bolts need to be more than hand tight.



22. To reinstall the fan, find the flatted portion of the fan opening and the flatted portion of the shaft. Line those two up. Press the fan back in place and replace the motor cover.



23. Last, you'll reattach the pressure switch to the pump. Start by removing the old Teflon tape from the switch threads and rewrapping them with new tape.



24. Insert the wires through the strain relief nut and then through the strain relief. Connect the green wire to the ground screw. The black and white leads can be connected to either inside terminal. Attach all three wires and hand-tighten the screws.



25. Replace the cover on the pressure switch to complete the repair.

