

▲WARNING

FOR YOUR SAFETY—This product must be installed and serviced by a contractor who is licensed and qualified in pool equipment by the jurisdiction in which the product will be installed where such state or local requirements exists. In the event no such state or local requirement exists, the installer or maintainer must be a professional with sufficient experience in pool equipment installation and maintenance so that all of the instructions in this manual can be followed exactly. Before installing this product, read and follow all warning notices and instructions that accompany this product. Failure to follow warning notices and instructions may result in property damage, personal injury, or death. Improper installation and/or operation may void the warranty.

EQUIPMENT UNDER PRESSURE: Always turn pump off prior to disassembly. Your pump/filter system is operated under pressure and the pressure must be released before you begin work. Please see your pump/filter owner's manual for further instructions.

1. Introduction

This document gives instructions to install the Jandy In-Floor Workhorse 5-Port Valve Rebuild Kit.

The instructions were written with safety as the priority and must be followed exactly. Not following the written procedure or taking shortcuts may increase the risk of personal injury. Read through the instructions completely before starting the procedure.

Before starting the procedure, use the parts list at the back of these instructions to identify the parts that are in your kit. If any parts are missing from the kit please call your local pool distributor for assistance. For technical assistance, contact the Technical Service Department at 1-855-280-6465.

2. Installation

2.A Tools Needed

- 7/16" Wrench or Socket
- Small Phillips-Head Screwdriver

2.B Disassembly

See exploded parts diagram (Figure 1) for parts references.

1. Turn off the pump and release pressure from the pump and filter. Please refer to manufacturer's instructions for your pump and filter for proper instructions on how to properly and safely release pressure from the system. Loosen the union nuts located above and adjacent to the water valve. Remove the PVC elbow, union nuts and o-rings. Set aside parts. Remove the strainer cup, clean and set aside.
2. Using a 7/16" wrench or socket loosen and remove the V-clamp. Lift the water valve off the bottom plate.
3. Remove and discard the five small o-rings from the valve outlet ports and the large o-ring from the bottom plate.
4. Using a Phillips head screwdriver from bottom side, loosen the twelve retaining screws and corresponding nuts. Lift the top housing off of the center plate and set aside. Remove and discard all internal components including the pistons, cam assembly, washers, large o-ring, axle pin and steel balls.

2.C Reassembly

NOTE Do not remove the rubber band holding the impeller and cam assembly in place until step 4.

1. Firmly install each piston with the small hole on top placed toward the center of the center plate. If seated properly, the pistons will not fall out when the center plate is turned upside down.
2. Install a large o-ring on the outside ridge of the center plate.
3. Place a steel ball on each piston hole.
4. With the rubber band securing the cam assembly and the impeller up, slide the axle pin into the center hole of the center plate and press down firmly. **Cut and remove the rubber band.** The impeller and gears should spin freely.
5. Align the alignment pin with the alignment pin hole, then align the axle pin on the center plate with the corresponding hole on the top housing. Seat the housing onto the center plate and secure the retaining screws and nuts. **Do not over-tighten.**
6. Holding the water valve upside down, shake the valve to ensure that the ball bearings are seated properly. Place the five (5) small o-rings in the grooves around the outlet ports. (Wet rings to help them stick but do not lubricate.) Install the second large o-ring into the groove of the bottom plate.
7. Position the valve on the bottom plate ensuring the alignment hole and pin line up. Tighten the V-clamp onto the valve, tapping periodically to ensure uniform tension, until the ends are approximately 3/4" apart.
8. Reinstall strainer cup, dome up. Reposition PVC elbow and re-tighten unions. **Do not over tighten.**

3. Replacement Kit List & Exploded Drawing

The following table and drawing are for your reference. To order additional parts, please contact your local distributor.

Description	Qty
Pistons	5
Large O-Rings	2
Small O-Rings	5
Cam Assembly	1
Steel Balls	5
Retaining Screws	12
Retaining Nuts	12

