Pentair PEN351446Z

Pentair 351446 Seal Plate Ring Instruction Manual

Model: PEN351446Z

Introduction

This manual provides essential information for the proper installation, maintenance, and troubleshooting of your Pentair 351446 Seal Plate Ring. This component is designed to ensure a reliable and energy-efficient seal for your pool or spa pump, contributing to the overall performance and longevity of your aquatic system. Pentair is a global leader in aquatic equipment, committed to providing high-performance products.

Safety Information

Always prioritize safety when working with pool and spa equipment. Read and understand all instructions before beginning installation or maintenance. Failure to follow safety guidelines can result in serious injury or property damage.

- Disconnect all power to the pump and associated equipment before performing any work.
- Wear appropriate personal protective equipment (PPE), such as gloves and eye protection.
- Ensure the work area is dry and free of hazards.
- If you are unsure about any procedure, consult a qualified pool professional.
- Keep children and pets away from the work area.

Proposition 65 Warning: This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

Product Overview

The Pentair 351446 Seal Plate Ring is an essential O-ring component designed to create a watertight seal within the pump assembly, specifically around the seal plate. This prevents water leaks and maintains optimal pump efficiency.

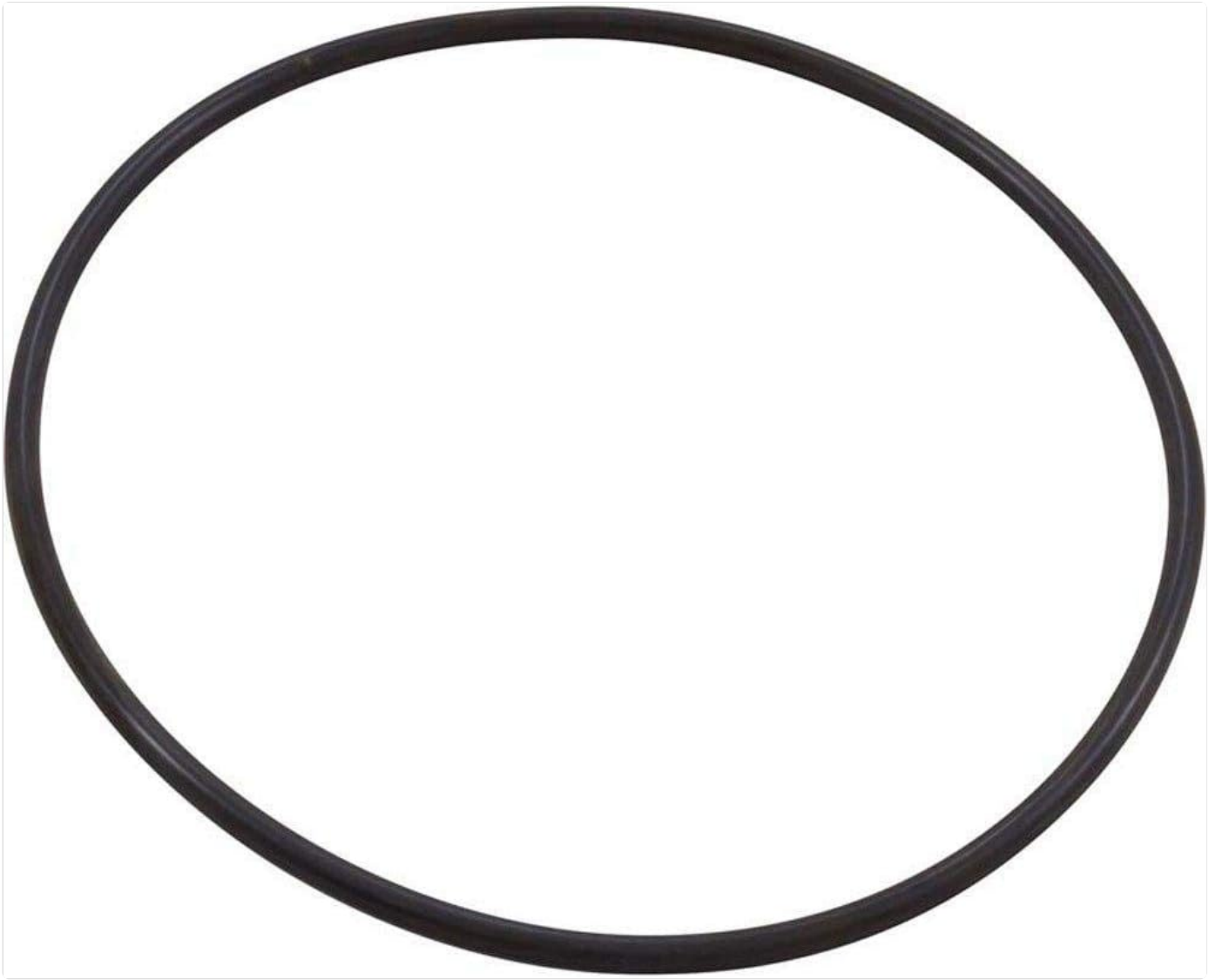


Image: A black, circular O-ring, which is the Pentair 351446 Seal Plate Ring, shown against a white background. This O-ring is designed to provide a critical seal within pool and spa pump systems.

Key Features:

- Seal plate o-ring
- Reliable and energy-efficient sealing
- Designed to enhance pool and spa pump performance

Setup and Installation

The seal plate ring is a replacement part and requires installation into an existing pump assembly. Follow these general steps for installation. Specific pump models may have variations; always refer to your pump's specific service manual for detailed instructions.

1. **Preparation:** Ensure the pump is disconnected from all power sources. Drain any water from the pump housing.
2. **Disassembly:** Carefully disassemble the pump components to access the seal plate. This typically involves removing bolts or clamps that secure the pump housing and motor to the wet end.
3. **Remove Old O-Ring:** Locate the old seal plate O-ring. Carefully remove it from its groove. Inspect the groove for any debris or damage and clean thoroughly.
4. **Install New O-Ring:** Lightly lubricate the new Pentair 351446 Seal Plate Ring with a silicone-based lubricant (do not use petroleum-based lubricants as they can degrade rubber). Carefully seat the new O-ring into the clean groove on

the seal plate. Ensure it is evenly seated and not twisted.

5. **Reassembly:** Reassemble the pump components in reverse order of disassembly. Ensure all bolts, clamps, and connections are securely fastened. Do not overtighten, as this can damage the O-ring or pump housing.
6. **Test for Leaks:** Once reassembled, slowly refill the pump with water and check for any leaks before restoring full power. Run the pump briefly and re-check for leaks.

Operating

The Pentair 351446 Seal Plate Ring is a passive component that functions as part of the pump's sealing mechanism. Once properly installed, its operation is integral to the pump's ability to maintain prime and prevent water leakage during normal pump operation. No direct user interaction is required for its operation after installation.

Maintenance

Regular inspection and proper care will extend the life of your seal plate O-ring and pump system.

- **Periodic Inspection:** During routine pump maintenance or when disassembling the pump for other reasons, inspect the O-ring for signs of wear, cracking, flattening, or stretching.
- **Lubrication:** If the O-ring appears dry but is otherwise in good condition, apply a thin coat of silicone-based lubricant to help maintain its flexibility and sealing properties.
- **Replacement:** Replace the O-ring if any signs of wear or damage are observed, or if leaks occur around the seal plate. It is good practice to replace O-rings whenever the pump is significantly disassembled for service.
- **Cleaning:** Keep the O-ring groove clean and free of debris, which can compromise the seal.

Troubleshooting

If you experience issues related to the seal plate, consider the following troubleshooting steps:

Problem	Possible Cause	Solution
Water Leakage from Seal Plate	• Damaged or worn O-ring • Improperly seated O-ring • Debris in O-ring groove • Overtightened or undertightened fasteners	• Inspect and replace O-ring if damaged. • Ensure O-ring is properly seated and not twisted. • Clean O-ring groove thoroughly. • Check fastener torque; adjust as necessary.
Pump Losing Prime	• Air leak at seal plate due to faulty O-ring	• Inspect and replace seal plate O-ring. • Ensure all pump connections are airtight.

If troubleshooting steps do not resolve the issue, contact Pentair customer support or a qualified pool professional.

Specifications

Attribute	Detail
Product Name	Seal Plate Ring
Brand	Pentair
Model Number	PEN351446Z (351446)
ASIN	B00DW5UVYA
Product Dimensions	10 x 0.28 x 10 inches
Item Weight	1.44 ounces
Manufacturer	Pentair - Distribution

Warranty

Pentair products are manufactured to high-quality standards. Specific warranty terms and conditions may vary by product and region. Please refer to the official Pentair website or contact customer support for detailed warranty information regarding the 351446 Seal Plate Ring.

Support

For technical assistance, replacement parts, or further information, please contact Pentair customer support or visit their official website.

Pentair Official Website: www.pentair.com

Pentair Store on Amazon: Visit the Pentair Store

Refer to your original pump manual for specific part diagrams and installation steps.

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