

Pentair PEN354531Z

Pentair Trap Lid for PacFab Dynamo Aboveground Swimming Pool Pumps Instruction Manual

1. PRODUCT OVERVIEW

The Pentair Trap Lid is a replacement component specifically designed for Pentair Sta-Rite Dynamo aboveground swimming pool pumps. This lid secures the pump's trap basket, preventing debris from entering the pump impeller and ensuring efficient filtration of your pool water. It is constructed from durable materials to withstand typical pool environment conditions.



Image showing the Pentair Trap Lid, designed for PacFab Dynamo aboveground swimming pool pumps. The lid is clear, allowing visual inspection of the pump basket and debris level.

Key Features:

- Direct replacement for Pentair Sta-Rite Dynamo aboveground swimming pool pumps.
- Durable construction for long-lasting performance.
- Transparent design for easy inspection of the pump basket.

2. SETUP AND INSTALLATION

Proper installation of the trap lid is crucial for preventing leaks and ensuring optimal pump performance. Please follow these steps carefully.

1. **Safety First:** Before beginning any work on your pool pump, ensure the pump is turned off and disconnected from its power source to prevent electrical hazards.
2. **Remove Old Lid:** Carefully unscrew and remove the existing trap lid from your Pentair Sta-Rite Dynamo pump.
3. **Inspect O-Ring:** The new Pentair Trap Lid **does not include an O-ring**. It is essential to either transfer the O-ring from your old lid or install a new, compatible O-ring (sold separately). Inspect the O-ring for any cracks, tears, or signs of wear. A damaged O-ring will cause leaks. Ensure the O-ring

is clean and properly seated in the groove around the pump's trap housing.

4. **Clean Sealing Surface:** Clean the sealing surface of the pump's trap housing to remove any debris, dirt, or old lubricant that could compromise the seal.
5. **Install New Lid:** Place the new Pentair Trap Lid onto the pump's trap housing, aligning it correctly. Screw the lid on clockwise until it is hand-tight. **Do not overtighten**, as this can damage the lid or the pump housing.
6. **Check for Leaks:** Reconnect the pump to its power source and turn it on. Observe the lid area for any signs of water leaks. If a leak occurs, turn off the pump, disconnect power, and re-check the O-ring placement and lid tightness.

3. OPERATING INSTRUCTIONS

The Pentair Trap Lid functions as a secure cover for your pump's strainer basket. Its operation is straightforward:

- Ensure the lid is always securely hand-tightened before operating the pump.
- The transparent design allows for visual inspection of the strainer basket without removing the lid. Monitor the basket for debris accumulation.
- To access the strainer basket for cleaning, always turn off the pump and disconnect power before unscrewing the lid.

4. MAINTENANCE

Regular maintenance of your trap lid will extend its lifespan and ensure efficient pump operation.

- **Regular Inspection:** Periodically inspect the lid for any signs of cracks, discoloration, or damage. Replace the lid if significant damage is observed.
- **O-Ring Care:** Annually, or more frequently if needed, remove the O-ring, clean it, and apply a silicone-based lubricant designed for pool O-rings. This helps maintain its flexibility and sealing properties. Replace the O-ring if it appears brittle, cracked, or stretched.
- **Cleaning:** Clean the lid with mild soap and water. Avoid abrasive cleaners or solvents that could damage the plastic.
- **Winterization:** During winterization, ensure the lid is removed, cleaned, and stored in a dry, protected area if the pump is not in use.

5. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Water leaking from around the lid	<ul style="list-style-type: none"> • O-ring is missing or improperly seated. • O-ring is damaged (cracked, brittle, stretched). • Lid is not tightened sufficiently. • Lid or pump housing threads are damaged. 	<ul style="list-style-type: none"> • Ensure O-ring is present and correctly seated in its groove. • Replace the O-ring if damaged. • Hand-tighten the lid firmly (do not overtighten). • Inspect lid and housing threads for damage; replace components if necessary.
Lid is difficult to remove or install	<ul style="list-style-type: none"> • O-ring is dry or improperly lubricated. • Lid was overtightened. • Debris in threads. 	<ul style="list-style-type: none"> • Apply silicone-based lubricant to the O-ring. • Ensure lid is only hand-tightened. • Clean threads on both lid and pump housing.
Lid appears cracked or discolored	<ul style="list-style-type: none"> • Exposure to harsh chemicals or UV. • Physical impact. 	<ul style="list-style-type: none"> • Replace the lid. • Ensure proper chemical balance in pool water.

6. SPECIFICATIONS

- **Product Dimensions:** 7 x 6.25 x 3.5 inches
- **Item Weight:** 12.3 ounces
- **Manufacturer:** Pentair
- **Model Number:** PEN354531Z
- **Compatibility:** Pentair Sta-Rite Dynamo aboveground swimming pool pumps

7. WARRANTY AND SUPPORT

For specific warranty information regarding your Pentair Trap Lid, please refer to the documentation provided with your original pump or contact Pentair customer support directly. Pentair is committed to providing quality products and support.

Pentair Customer Support: For technical assistance, troubleshooting beyond this guide, or warranty claims, please visit the official Pentair website or contact their customer service department. You can often find contact information on the manufacturer's website or through your product retailer.

You can also visit the [Pentair Store on Amazon](#) for additional product information and support resources.