

Light Ready Return Water Fitting for Above Ground Pools Owners Manual

IMPORTANT SAFETY INSTRUCTIONS
READ AND FOLLOW ALL INSTRUCTIONS
SAVE THESE INSTRUCTIONS

Table of Contents

| | | |
|--------------|---|---|
| SECTION I. | IMPORTANT SAFETY INSTRUCTIONS | 2 |
| SECTION II. | LIGHT READY RETURN FITTING INSTALLATION | 2 |
| SECTION III. | TECHNICAL DATA | 5 |
| A. | Replacement Parts | 5 |

WARNING

Before installing this product, read and follow all warning notices and instructions accompanying this product. Failure to follow safety warnings and instructions can result in severe injury, death, or property damage. Call (800) 831-7133 for additional free copies of these instructions.

Important Notice



Attention Installer.

This manual contains important information about the installation, operation and safe use of this product. This information should be given to the owner/operator of this equipment.

Pentair Water Pool and Spa, Inc.

1620 Hawkins Ave., Sanford, NC 27330 • (800) 831-7133 • (919) 566-8000
10951 West Los Angeles Ave., Moorpark, CA 93021 • (800) 831-7133 • (805) 553-5000
Visit us on the Internet at: www.pentairpool.com or www.staritepool.com

 **Pentair Water**
Pool and Spa[®]

SECTION I. IMPORTANT SAFETY INSTRUCTIONS

When installing and using this light ready return fitting, basic safety precautions should always be followed, including the following:

1. This return fitting can be installed on storable above ground or permanent above ground pools.
2. A storable pool has a maximum water depth of 42 inches and is so constructed that it may be readily disassembled for storage and re-assembled to its original integrity.
3. A permanent pool has a water depth of 42 inches or greater. Do not install on therapeutic pools, hydro-massage bathtubs, spas or hot tubs.
4. Risk of entrapment, injury or death. Use plumbing passageways only to return water to pool. Do not use as a suction device.
5. Locate your pool so that the wall is at least 10 feet from all electrical receptacles and at least 20 feet from all receptacles not protected by a GFCI. It is also very important to locate the pool so that it is not under any electrical wiring, that is less than 18 feet vertically above the pool wall and within an area located 10 feet outside the pool walls. The pool must also never be located under any lighting fixture or within five (5) feet measured horizontally from any fixture mounted less than five (5) feet vertically above the pool water level.
6. Risk of injury. Install the top of the light ready return fitting with a minimum of 8 inches and a maximum of 10 inches below top of pool wall or in manufacturers pre-punched return fitting hole.

SECTION II. LIGHT READY RETURN FITTING INSTALLATION

NOTE

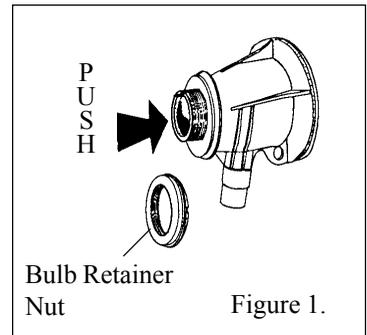
Installation of the light ready return fitting into the pool wall is the same for both the storable and the permanent above ground pools.

-
1. Remove the bulb retainer nut and push the return body out from the rear of the fitting body so that it will come out of the front of the fitting; see Figure 1.
 2. Unscrew the threaded wall flange from the fitting body by rotating it counter-clockwise.

NOTE

Retain the gaskets supplied and keep them accessible.

3. Use the Teflon® tape provided. Snugly wrap the threaded wall flange in a clockwise direction (as viewed from the back) starting at the edge of the threads; see Figure 2. Work towards the flange lip (overlapping 1/2 of the tape width with each wrap) then back towards the starting point.
- If you have a new pool, move on to step 10.
 - If the water level is below the return fitting on an existing pool, remove the old fitting and move on to step 10.
 - If the pool is full of water, follow steps 5 through 9.



NOTE

Steps 4 through 8 require two (2) No. 9 winterizing plugs (not supplied).

4. Remove the existing eyeball fitting from the return fitting on your pool wall, see Figure 3.
5. Place a winterizing plug in the front side of the existing return fitting and disconnect the return hose and clamp from the existing fitting.
6. Place a winterizing plug in the front side of the AquaLuminator® light threaded wall flange.
7. While holding the existing return fitting from the inside of the pool, remove the large nut or the existing fitting body on the outside of the pool wall.
8. Using a folded rag in the palm of your hand, push the old return fitting out of the wall from the outside of the pool; see Figure 4. Hold the rag firmly against the wall to prevent water spillage.
9. Insert the flange and gasket from the inside of the pool through the hole cut out for the inlet fitting. Ensure that the threaded wall flange is centered on the hole.
10. Take the remaining gasket and put it on the threaded wall flange from the outside of the pool; see Figure 5. Standard sheet metal walls will have one gasket and one spacer left over. Do not use these two items, as they are for use on narrow interlocking wall panels only.

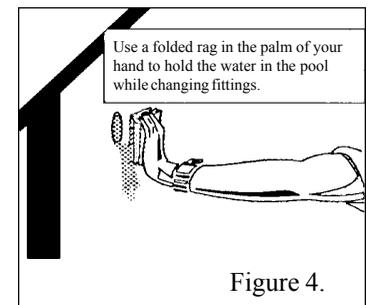
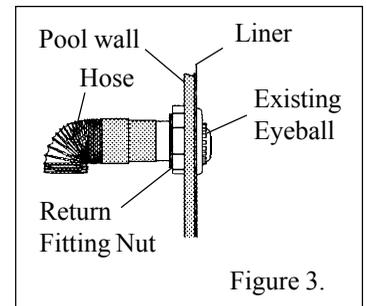
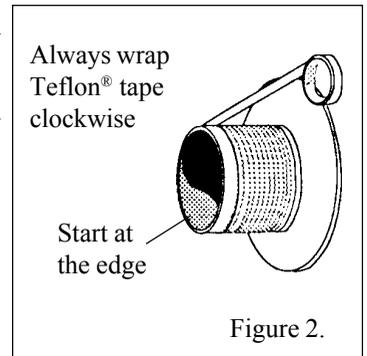
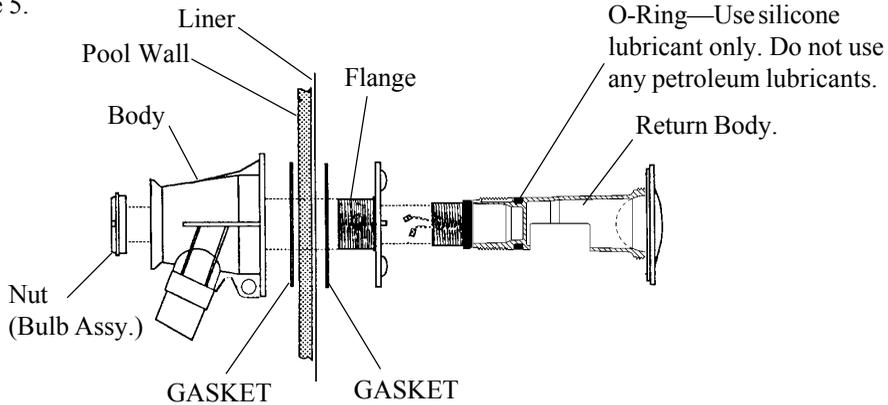


Figure 5.



⚠ CAUTION

For narrow, interlocking, extruded aluminum wall panels, center flange between the ridges while viewed from the inside of the pool. Add the spacer and additional gasket to the flange before inserting the flange through the wall panel. This is necessary to accommodate a fountain attachment.

11. With the inlet port of the fitting body in the 3 O'clock position, place the fitting body against the threads of the flange and keeping the inlet port in the 3 O'clock position; see Figure 6. Hand tighten the flange as tight as possible. Rotate the flange, not the body.



⚠ CAUTION

Do not over tighten the flange.

12. To complete the tightening process, hold the flange in place and rotate the fitting body until the inlet port is in the 6 o'clock position; see Figure 6.
13. Take a hose clamp and place it over the return hose cuff.
14. Slip the return hose from the equipment, over the inlet port, and tighten the hose clamp securely.
15. Take the light ready return fitting and insert it through the threaded wall flange. The keyway must point in the same direction as the top key on the fitting body.
16. From the inside the pool, push the bulb assembly and flow director with the red cap/plug in place into the fitting body until the bulb assembly/flow director are nearly flush against the inside pool wall.
17. Place eyeball and optional eyeball adapter in return body.

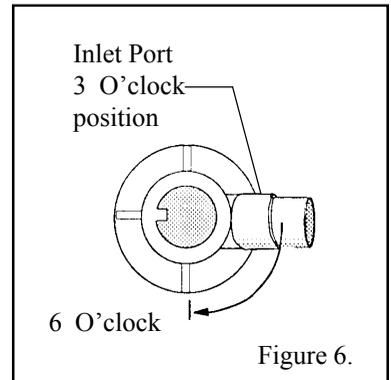


Figure 6.



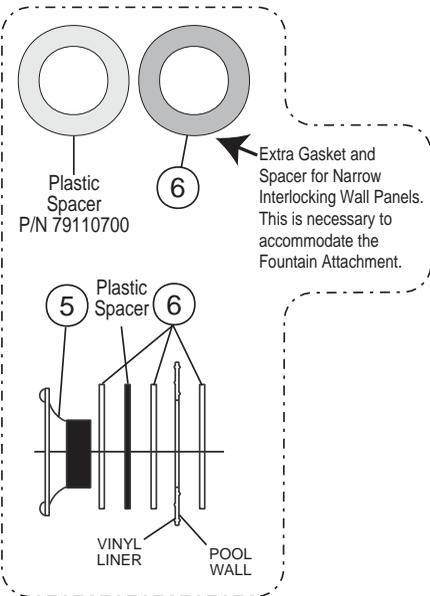
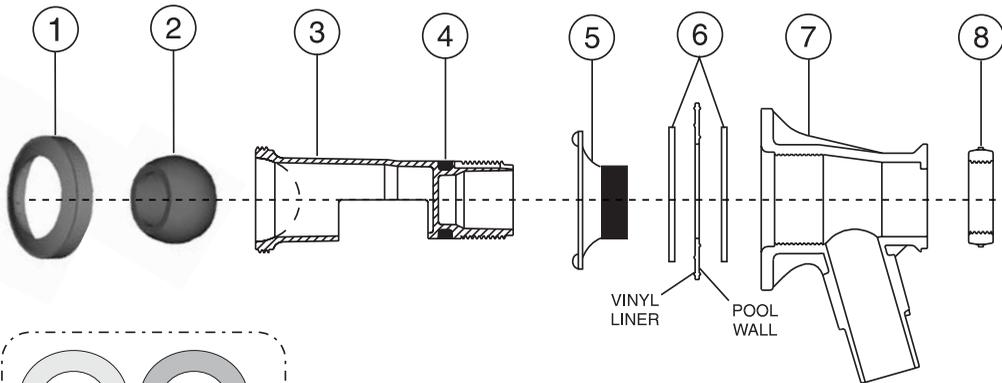
CAUTION

Do not over tighten as adjustability of the eyeball may be impaired and/or damage to parts causing leakage may occur. If the eyeball does not rotate by hand, the nut is too tight.

18. Thread the eyeball nut until it touches the return body, then finger tighten.

SECTION III. TECHNICAL DATA

A. REPLACEMENT PARTS



| Item No. | Part No. | Description |
|----------|----------|----------------------------|
| 1. | 87205000 | Nut, Return, Inlet Fitting |
| 2. | 87205300 | Eye 3/4 in. Orifice |
| 3. | 619397 | Return Body |
| 4. | 79116900 | O-ring |
| 5. | 79118300 | Wall Flange, Threaded |
| 6. | 79116800 | Gasket (2) |
| 7. | 79126900 | Fitting Body |
| 8. | 79116600 | Nut |

This page is blank.

This page is blank.

SAVE THESE INSTRUCTIONS

Pentair Water Pool and Spa, Inc.

1620 Hawkins Ave., Sanford, NC 27330 • (800) 831-7133 • (919) 566-8000
10951 West Los Angeles Ave., Moorpark, CA 93021 • (800) 831-7133 • (805) 553-5000
Visit us on the Internet at: www.pentairpool.com or www.staritepool.com



© 2009 Pentair Water Pool and Spa, Inc. All rights reserved.

This document is subject to change without notice.

Trademarks and Disclaimers: AquaLuminator® and Pentair Water Pool and Spa® are trademarks and/or registered trademarks of Pentair Water Pool and Spa, Inc. and/or its affiliated companies in the United States and/or other countries. Teflon® is a registered trademark of E.I. Du Pont De Nemours and Company Corporation. Unless noted, names and brands of others that may be used in this document are not used to indicate an affiliation or endorsement between the proprietors of these names and brands and Pentair Water Pool and Spa, Inc. Those names and brands may be the trademarks or registered trademarks of those parties or others.