Hayward GLX-PCB-MAIN

Hayward GLX-PCB-MAIN Main PCB Replacement Manual

For Hayward Goldline AquaLogic and AquaPlus Automation Systems

1. Introduction

This manual provides detailed instructions for the safe and proper replacement of the Hayward GLX-PCB-MAIN Main Printed Circuit Board. This PCB is compatible with Hayward Goldline AquaLogic and AquaPlus automation and chlorination systems, including models AQL-PS-4, AQL-PS-8-V, AQL-PS-8, AQL-PS-16-V, AQL-PS-16, and wired remote control automation model AQL-SS-6B-BOX. Please read all instructions carefully before proceeding with installation.

2. Safety Information

- **DANGER:** Always disconnect power to the automation system at the circuit breaker before performing any service or maintenance. Failure to do so can result in serious injury or death.
- Only qualified personnel should attempt to install or service this product.
- Wear appropriate personal protective equipment, including safety glasses and gloves.
- Ensure all wiring connections are secure and correctly matched to prevent electrical hazards and damage to the system.
- Keep the area dry and free from moisture during installation.

3. Package Contents

Verify that your package contains the following item:

- 1 x Hayward GLX-PCB-MAIN Replacement Main Printed Circuit Board

4. Product Overview

The Hayward GLX-PCB-MAIN is a direct replacement main printed circuit board for various Hayward Goldline AquaLogic and AquaPlus automation and chlorination systems. It is designed to restore full functionality to your pool or spa control system.

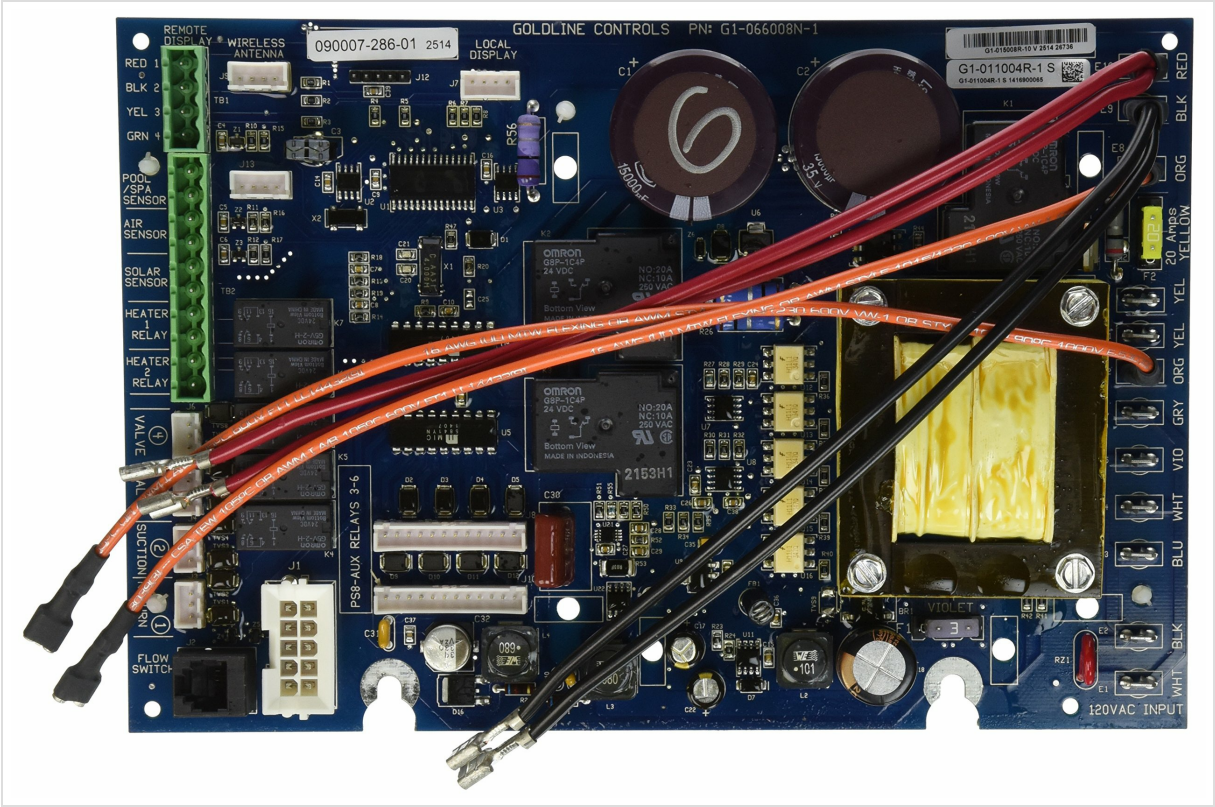

Image of the Hayward GLX-PCB-MAIN replacement main printed circuit board.

Key Features:

- Main Printed Circuit Board (PCB) replacement
- Fits Hayward Goldline AquaLogic Automation systems
- Compatible with AquaPlus Automation and Chlorination models AQL-PS-4, AQL-PS-8-V, AQL-PS-8, AQL-PS-16-V, AQL-PS-16
- Also compatible with wired remote control automation model AQL-SS-6B-BOX

5. Setup and Installation

Before beginning the installation, gather the necessary tools, which may include a screwdriver set, needle-nose pliers, and a camera or smartphone for documentation.

1. **Disconnect Power:** Turn off all power to the pool automation system at the main circuit breaker. Verify that power is off using a voltage tester.
2. **Document Existing Setup:** Before disconnecting any wires or removing the old board, take clear photographs or videos of the current wiring configuration. Pay close attention to where each external connection plugs into the old board. Also, navigate through the system's menus and record all existing configuration settings, timers, and parameters. To access locked configuration menus, you may need to press and hold the left and right arrow buttons simultaneously for a few seconds. This documentation is crucial for correctly setting up the new board.
3. **Remove Old Board:**
    - Carefully disconnect all wires from the old PCB. Note that some wire connections, especially spade connectors, can be very tight; needle-nose pliers may be helpful.
    - Locate the two hex-head screws at the bottom of the board. Loosen these screws but do not remove them completely.
    - Gently slide the board upwards until the plastic stand-offs on the back of the board come free from their keyhole slots in the frame.

- Tilt the board out and away from the frame to remove it.
- If applicable, carefully remove the four long plastic stand-offs that hold the display unit. To do this, squeeze the spring clip at the rear of the stand-off with needle-nose pliers while gently pulling the stand-off away from the front of the board.

4. **Install New Board:**
    - Position the new GLX-PCB-MAIN board, aligning the plastic stand-offs with the keyhole slots in the frame. Slide the board downwards until it is securely seated.
    - Tighten the two hex-head screws at the bottom of the board to secure it in place.
    - If removed, reattach the display unit stand-offs to the new board.
    - Reconnect all wires to the new PCB, referring to the photographs or videos taken in Step 2. Ensure that the new wiring provided with the replacement board is used if applicable, as some units may have updated wiring for improved performance. Match color-coded wires to the corresponding labeled connections on the circuit board.
5. **Verify Connections:** Double-check all connections to ensure they are firm and correctly placed.
6. **Restore Power:** Once all connections are verified, restore power to the automation system at the circuit breaker.

6. Operating Instructions (Post-Installation)

After installing the new GLX-PCB-MAIN, the system will need to be re-programmed as the new board will not retain previous settings.

1. **Access Configuration Menu:** Power on the system. If the configuration menu is locked, press and hold the left and right arrow buttons simultaneously for a few seconds to unlock it.
2. **Enter Settings:** Refer to the documented settings from your old board (Step 2 of Installation) and carefully input them into the new PCB. This includes all parameters for configuration, settings, and timers.
3. **System Initialization:** Allow the system to initialize. Observe the system's behavior to ensure all components (e.g., salt generator, pumps) are functioning as expected. The salt generator may have a brief delay before activating.

7. Maintenance

The GLX-PCB-MAIN is designed for long-term reliability. Regular maintenance of the overall automation system, including keeping the control panel clean and dry, will help ensure the longevity of the PCB.

- Periodically inspect the wiring connections for any signs of corrosion or looseness.
- Ensure the control panel enclosure is properly sealed to protect the PCB from moisture and pests.
- Avoid exposing the control panel to direct sunlight or extreme temperatures for extended periods.

8. Troubleshooting

Common Issue: "No Cell Power" Error

If your system displays a "No Cell Power" or "No Cell Power 2" error message after installation or during normal operation, consider the following:

- **Wiring Check:** Re-verify all wiring connections to the salt cell and the PCB. Ensure they are secure and correctly matched.
- **Cell Condition:** Inspect the salt cell itself for any damage, excessive scaling, or wear. Clean the cell if

necessary according to your salt chlorinator's manual.

- **System Settings:** Confirm that all system settings, particularly those related to the salt chlorinator, are correctly entered as per your original system's configuration.
- **Power Supply:** Ensure stable power supply to the entire automation system.
- If the error persists after checking these points, consult a qualified pool technician.

9. Specifications

Specification	Value
Product Dimensions	5 x 8 x 9 inches
Item Weight	4 ounces
Manufacturer	Hayward
Model Number	GLX-PCB-MAIN
ASIN	B0030E95PO

10. Warranty and Support

For warranty information and technical support, please refer to the official Hayward website or contact Hayward customer service directly. Keep your purchase receipt as proof of purchase.