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› Hayward HAXPLT1931 Natural Gas Pilot Replacement Manual for H-Series Ed1 Pool Heater

Hayward HAXPLT1931

Hayward HAXPLT1931 Natural Gas Pilot Replacement Manual

For Hayward H-Series Ed1 Style Pool Heaters

PRODUCT OVERVIEW

This manual provides instructions for the installation, operation, and maintenance of the Hayward HAXPLT1931 Natural Gas Pilot Replacement. This component is specifically designed for use with Hayward millivolt electronic H-Series Ed1 style pool heaters.

The HAXPLT1931 is a critical replacement part ensuring proper ignition and operation of your natural gas pool heater.

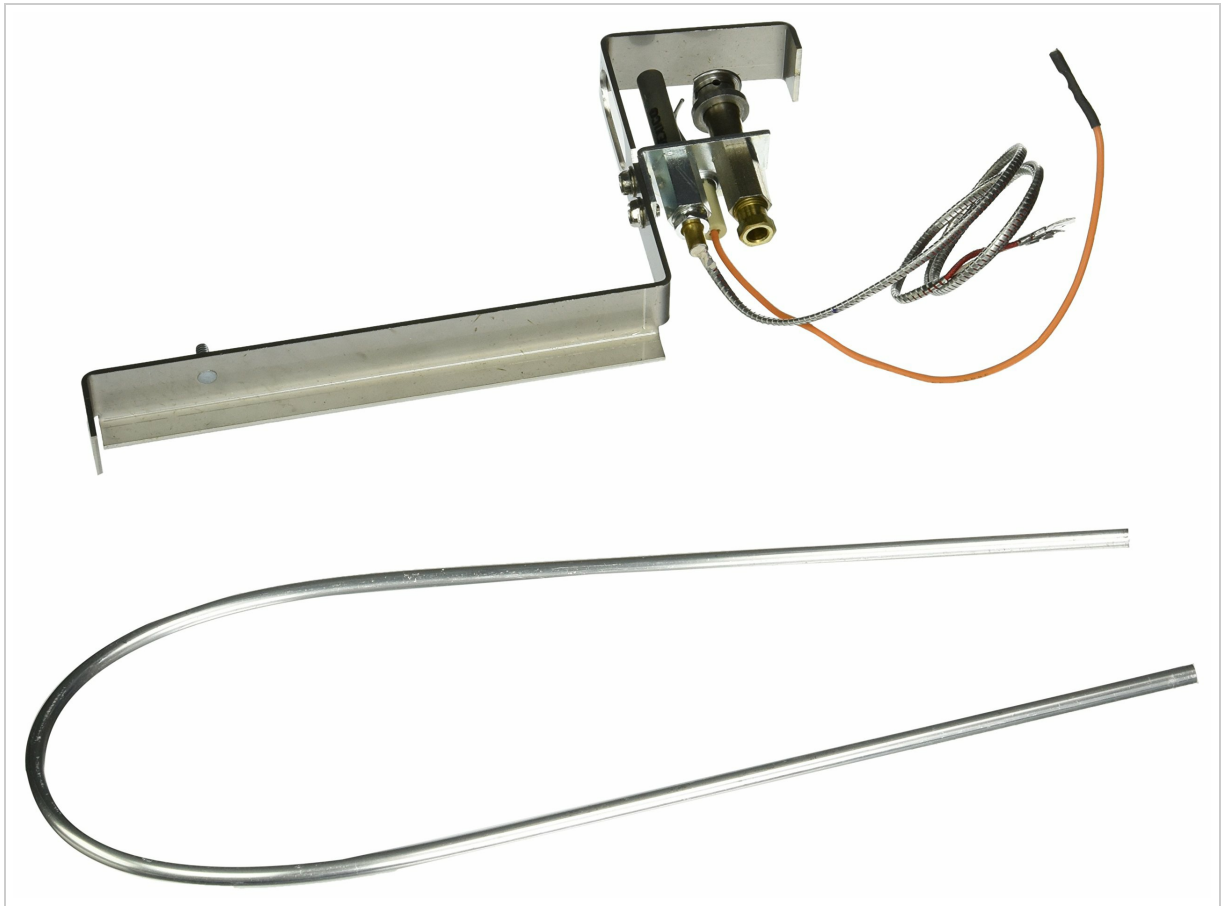


Image: Hayward HAXPLT1931 Natural Gas Pilot Replacement. This image shows the pilot assembly, including the pilot burner, thermopile, and gas tube.

IMPORTANT SAFETY INFORMATION

WARNING:

- Installation and service must be performed by a qualified installer, service agency, or gas supplier.
- Improper installation, adjustment, alteration, service, or maintenance can cause injury or property damage.
- Read the installation, operating, and maintenance instructions thoroughly before installing or servicing this equipment.
- Always turn off the gas supply to the pool heater before attempting any service or maintenance.
- This product is for natural gas applications only. Do not attempt to use with propane or other gas types.

INSTALLATION INSTRUCTIONS

This section outlines the general steps for replacing the natural gas pilot assembly. Refer to your specific Hayward H-Series Ed1 pool heater manual for detailed diagrams and safety procedures.

1. Preparation:

- Turn off the main gas supply to the pool heater.
- Disconnect electrical power to the pool heater at the circuit breaker.
- Allow the heater to cool completely if it has been in operation.
- Gather necessary tools, which may include screwdrivers, wrenches, and a gas leak detector.

2. Accessing the Pilot Assembly:

- Locate and remove the access panel(s) on your Hayward H-Series Ed1 heater to expose the burner tray and pilot assembly.
- Carefully observe the routing and connections of the existing pilot assembly for reference during reassembly.

3. Removing the Old Pilot Assembly:

- Disconnect the gas line from the pilot assembly using a wrench. Be prepared for a small amount of residual gas.
- Disconnect the thermopile wires from the gas valve terminals. Note their polarity if applicable.
- Remove any mounting screws or clips securing the pilot assembly to the burner tray.
- Carefully extract the old pilot assembly from the heater.

4. Installing the New Pilot Assembly (HAXPLT1931):

- Position the new HAXPLT1931 pilot assembly in the same location as the old one. Ensure it is correctly oriented.
- Secure the pilot assembly with the appropriate mounting screws or clips.
- Connect the thermopile wires to the gas valve terminals.
- Connect the gas line to the new pilot assembly. Use thread sealant approved for natural gas and tighten connections securely.
- Ensure the gas tube is routed correctly, avoiding kinks or contact with hot surfaces.

5. Leak Testing:

- Slowly turn on the main gas supply to the heater.
- Apply a non-corrosive leak detection solution (e.g., soapy water) to all gas connections.
- Bubbles indicate a gas leak. If a leak is detected, turn off the gas supply immediately, tighten the connection, and re-test. Do not proceed until all leaks are eliminated.

6. Final Steps:

- Replace the heater access panel(s).
- Restore electrical power to the pool heater.

OPERATING THE HEATER AFTER PILOT REPLACEMENT

After successful installation and leak testing of the HAXPLT1931 pilot assembly, follow these steps to operate your Hayward H-Series Ed1 pool heater:

1. Ensure the main gas supply to the heater is open.
2. Turn on the electrical power to the heater.
3. Set the heater's thermostat to a temperature above the current pool water temperature.
4. The heater should initiate its ignition sequence. The pilot light should ignite, and then the main burners should light.
5. Observe the pilot flame. It should be a strong, steady blue flame. A weak or yellow flame may indicate an issue with gas pressure or the pilot assembly.
6. If the heater fails to ignite or the pilot does not stay lit, refer to the Troubleshooting section.

Regular maintenance of your pool heater, including the pilot assembly, ensures efficient and safe operation.

- **Annual Inspection:** Have a qualified service technician inspect the pilot assembly and entire heater system annually, preferably before the heating season.
- **Pilot Flame Check:** Periodically check the pilot flame for proper size and color (blue). A weak or yellow flame may indicate a need for cleaning or replacement.
- **Cleaning:** Keep the area around the pilot assembly free from debris, dust, and insect nests, which can obstruct the flame or gas flow.
- **Gas Connections:** Occasionally check gas connections for any signs of corrosion or leaks.

TROUBLESHOOTING

This section provides basic troubleshooting steps for common issues related to the pilot assembly. For complex problems, contact a qualified service technician.

Problem	Possible Cause	Solution
Pilot light does not ignite.	No gas supply, faulty igniter, clogged pilot orifice.	Check gas supply valve. Inspect igniter for damage. Clean or replace pilot orifice (professional service recommended).
Pilot light ignites but does not stay lit.	Weak pilot flame, faulty thermopile, gas valve issue.	Ensure strong blue pilot flame. Check thermopile connections and output (should be around 750mV). Replace thermopile or gas valve if necessary (professional service recommended).
Main burners do not ignite after pilot lights.	Insufficient thermopile voltage, faulty gas valve, clogged main burner orifices.	Verify thermopile voltage. Inspect gas valve operation. Clean main burner orifices (professional service recommended).
Yellow or weak pilot flame.	Clogged pilot orifice, low gas pressure, air in gas line.	Clean pilot orifice. Check gas pressure. Purge air from gas line (professional service recommended).

SPECIFICATIONS

- **Model:** HAXPLT1931
- **Product Type:** Natural Gas Pilot Replacement
- **Compatibility:** Hayward H-Series Ed1 Style Pool Heaters (Millivolt Electronic Ignition)
- **Fuel Type:** Natural Gas
- **Weight:** Approximately 9.6 ounces (0.27 kg)
- **Country of Origin:** United States

PRODUCT INFORMATION VIDEO

Watch this video for an overview of Hayward's commitment to quality and innovation.

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Video: "Hayward: An American Story Since 1925". This video highlights Hayward's history, manufacturing processes, customer service, and innovative technology, showcasing their commitment to quality pool products.

WARRANTY AND SUPPORT

For specific warranty details regarding the Hayward HAXPLT1931 Natural Gas Pilot Replacement, please refer to the documentation included with your original Hayward H-Series Ed1 pool heater or visit the official Hayward website.

If you require technical assistance, replacement parts, or professional service, please contact Hayward Customer Support or a certified Hayward service provider.

Hayward Customer Support:

- Visit the official Hayward website for contact information and support resources.
- Consult your original heater manual for specific support contacts.