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HLXFANKIT

Replacement Fan for OmniLogic

Installation Manual

Contents

Description.....1

Installation.....1

HLXFANKIT

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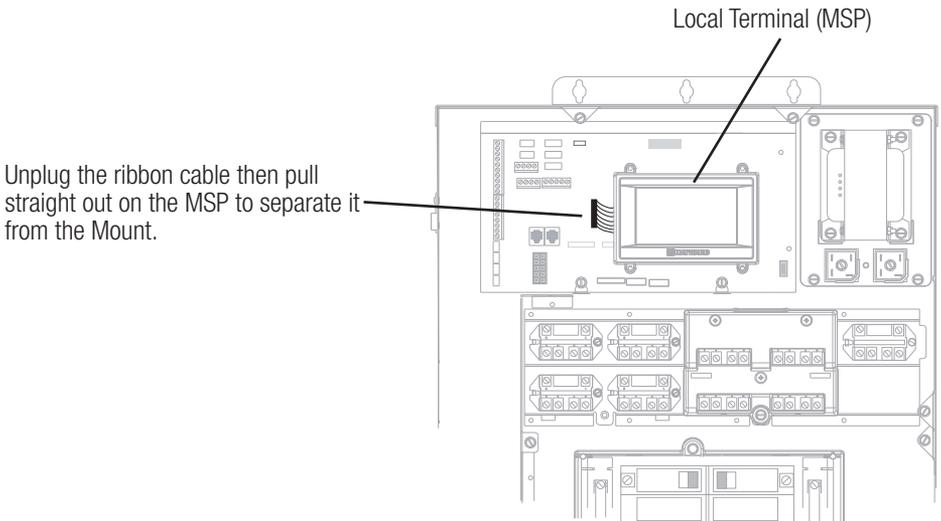
Description

The HLXFANKIT is a replacement fan and wiring harness for the OmniLogic pool controller. Fan wiring may be different depending on your unit's build date so the best method for fan replacement is to carefully trace the wiring from your fan to the rectifier and bridge. Identifying these connections before you begin will aid in the removal and installation of the fan.

Installation

DANGER of Death, Injury or Property Damage if procedure not followed. This accessory connects to the OmniLogic panel beneath the dead front panel. Panel removal is required for this installation. Power to the OmniLogic panel **MUST** be shut off before the dead front panel is removed. This means a complete shutdown of power to the entire OmniLogic controller.

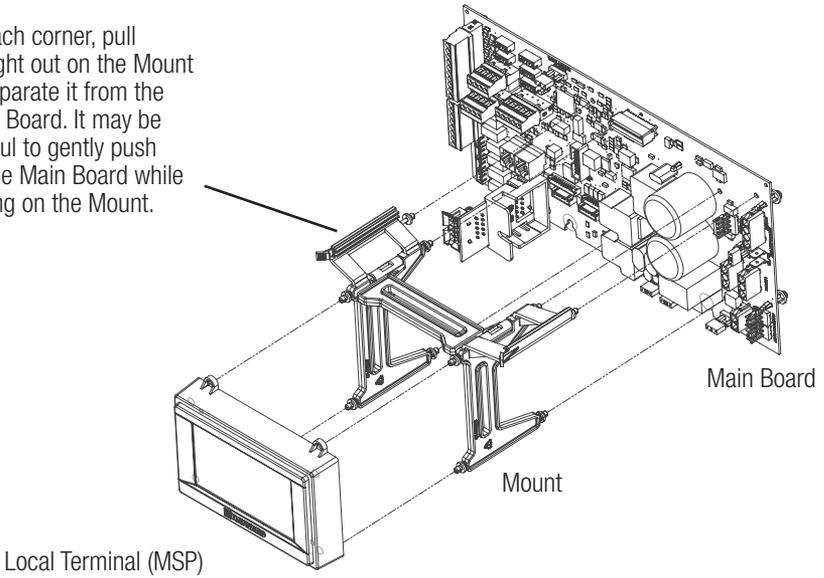
1. Ensure that power is removed from OmniLogic. If necessary, refer to the OmniLogic Installation manual for specific information about wiring and connections to the Main Board.
2. Remove the dead front panel to expose the OmniLogic Main Board.
3. If an HLIOEXPAND is installed, remove it from the Main Board and set it aside.
4. Remove the MSP (below) and the Mount (top of page 2).



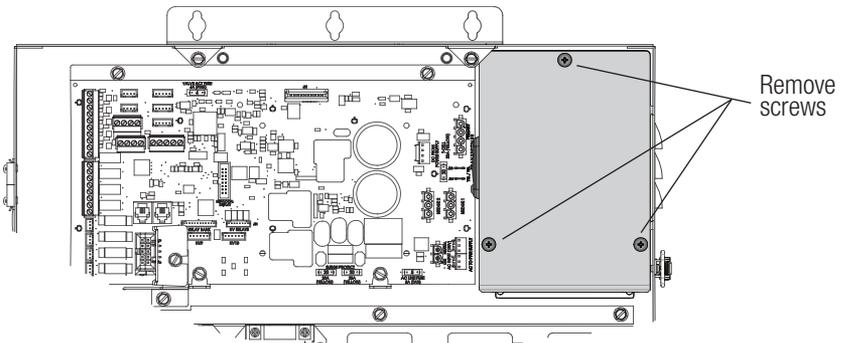


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At each corner, pull straight out on the Mount to separate it from the Main Board. It may be helpful to gently push on the Main Board while pulling on the Mount.



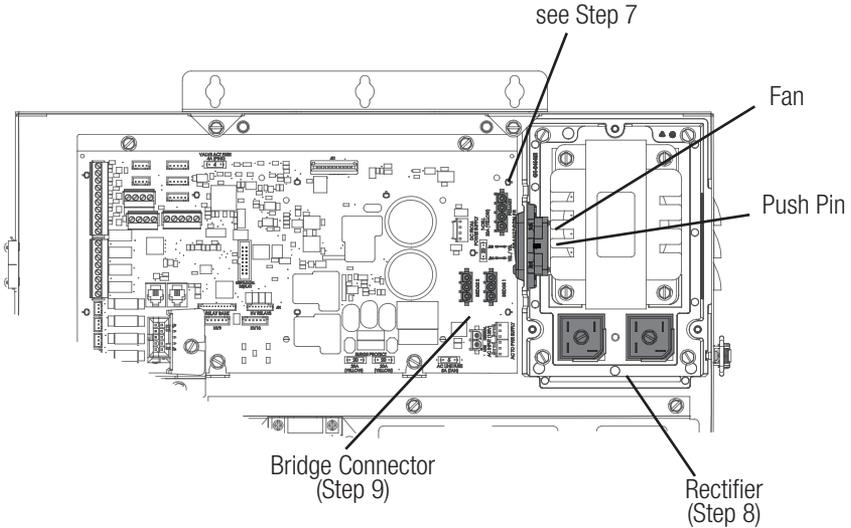
5. Unscrew the three Phillips head screws and remove the transformer box cover as shown.



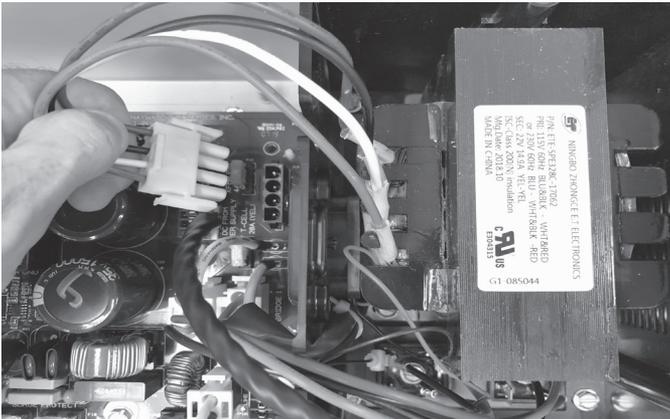


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6. With the transformer box cover and MSP removed, you'll have access to connections that will need to be removed. Each are shown below. Consider taking a photo or labeling the wires before fan removal.



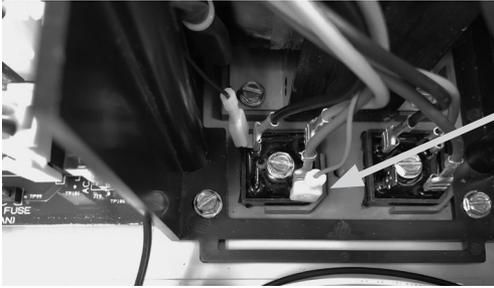
7. To allow more room for fan removal and installation, remove the connector shown in the photo below.



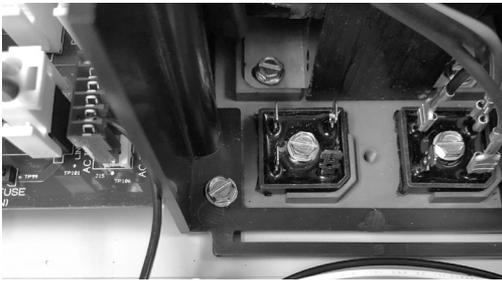


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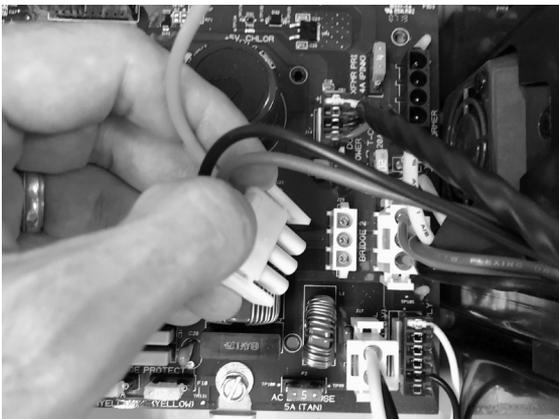
8. At the back of the fan, you'll notice 2 wires that route to lug connections at one of the rectifiers. Depending on your unit's build date, the wires may go to one or the other rectifier. These fan wires attach to shared lugs from a wiring harness. Rather than trying to remove the fan wires from the shared lugs, you'll find it much easier to remove all connections from the rectifier as shown. A replacement wiring harness is provided in the HLYFANKIT.



Shared lug connecting the fan wires to a wiring harness. Remove all connections from the rectifier.



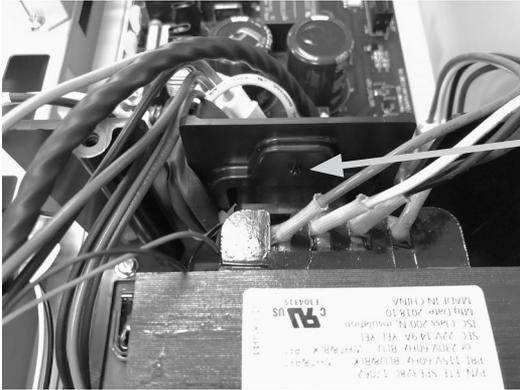
9. Depending on your unit's build date, the wiring harness from the rectifier will attach to one of the two bridge connectors. Follow the wiring harness and remove the appropriate bridge connector. Make note of how the wiring harness is routed.





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10. The fan can now be removed. A single push pin fastener secures the top of the fan to the transformer box. To remove the pin, push on it from inside the transformer box as shown. Remove the pin and tilt the top of the fan away from the box. You can now raise the fan out of the transformer box and carefully remove the wiring.



Push on the pin fastener from inside the transformer box to release.



Tilt fan outward and begin removal.



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While removing fan, gently route wires through the hole in the transformer box.

11. The replacement fan and wiring harness come as one piece and is easily installed by reversing the previous steps.

For further information or consumer
technical support, visit our website at
www.hayward.com



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