

# Replacing Impeller Fan on XT Platform Dehumidifier

## SERVICE DOCUMENT



**\*UNPLUG DEHUMIDIFIER BEFORE  
ATTEMPTING ANY REPAIRS\***

Quest Dual 105: #4032270  
Quest Dual 155: #4031490  
Quest Dual 155 - 50hz: #4037400-XX  
Quest Dual 165: #4037410  
Quest Dual 205: #4033060  
Quest Dual 225: #4035400

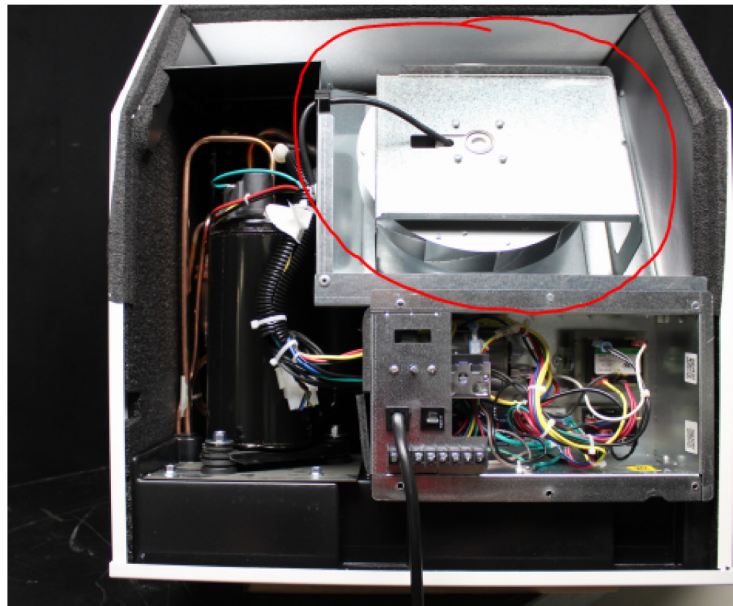
1. Remove front control panel access cover by removing all of the 5/16" hex screws around cover



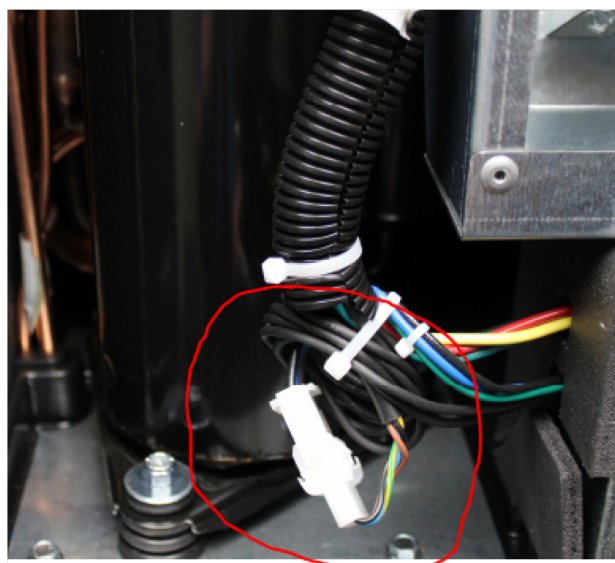
2. Remove front panel of dehumidifier (This panel consists of the vertical section and section at a 45-degree angle toward top of unit) by removing all 5/16" hex screws along the sides of the panel and top of the panel.



3. Once screws are removed, pull panel forward and lift out of the lip on the base of the unit.
4. Locate the impeller fan assembly on the top righthand side of the unit. You will see the back side of the fan secured to a bracket.



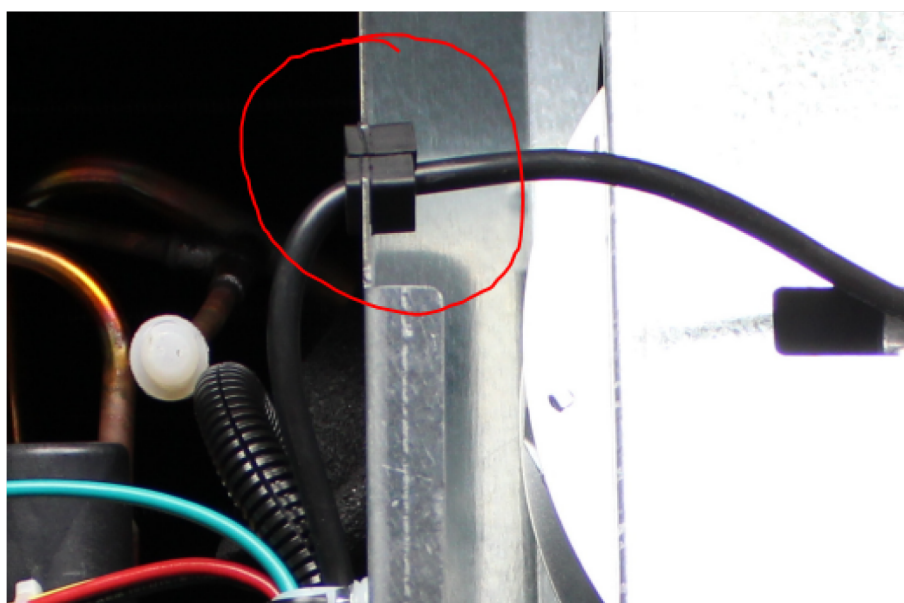
5. Follow the wiring from the fan down toward the compressor area. The wiring plugs into a plastic style connector. Separate that connector. \*Note: this wiring may be wrapped in a black loom to protect it\*



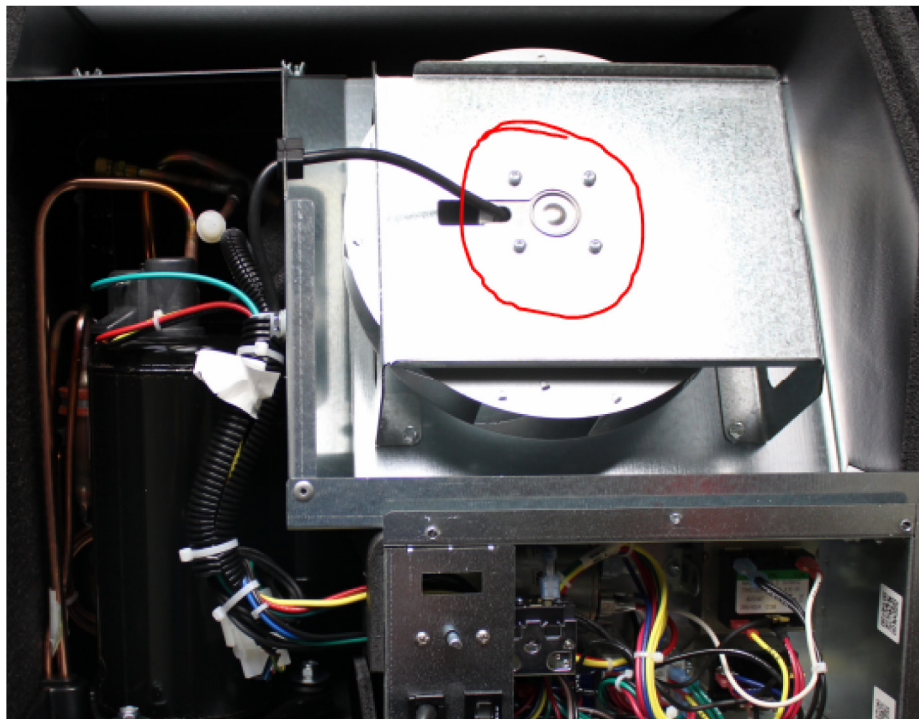
6. Using a long socket extension, or drill extension with 5/16" hex bit, remove the 5/16" hex screws that hold the metal fan bracket to the metal fan shroud.



7. Remove the fan bracket and impeller fan assembly from the unit. The wiring for the fan has a rubber sleeve on it that runs through the metal fan shroud. This will pull out of the metal shroud. The rubber sleeve is separated to remove from the wire. Reuse this on the new impeller fan assembly.



8. Remove the impeller fan assembly from the fan bracket by removing the 4 Phillips screws on the back of the impeller fan motor.



9. Install the new impeller fan assembly on to the fan bracket using those same 4 Phillips screws.
10. Reinstall the impeller fan assembly and fan bracket to the fan shroud using the 5/16" hex screws
11. Route the wire and rubber sleeve back through the metal fan shroud.
12. Reconnect the plastic connector for the wiring to the other side of the connector down by the compressor.
13. Zip tie any loose wiring so it does not come in contact with any moving parts.
14. Plug in dehumidifier and call for fan operation or dehumidification operation to test fan - **\*Note: if impeller fan assembly is rubbing on fan shroud, slight fan bracket adjustment may be necessary\***
15. Unplug dehumidifier and reinstall the large front cover and small control access cover.
16. Plug in dehumidifier and operate as normal

Have Questions? Contact the Quest service department at **877-420-1330** or **[service@questclimate.com](mailto:service@questclimate.com)**