

How to replace the impeller fan on a Quest 506 dehumidifier

SERVICE DOCUMENT



Quest 506-230v: #4036600

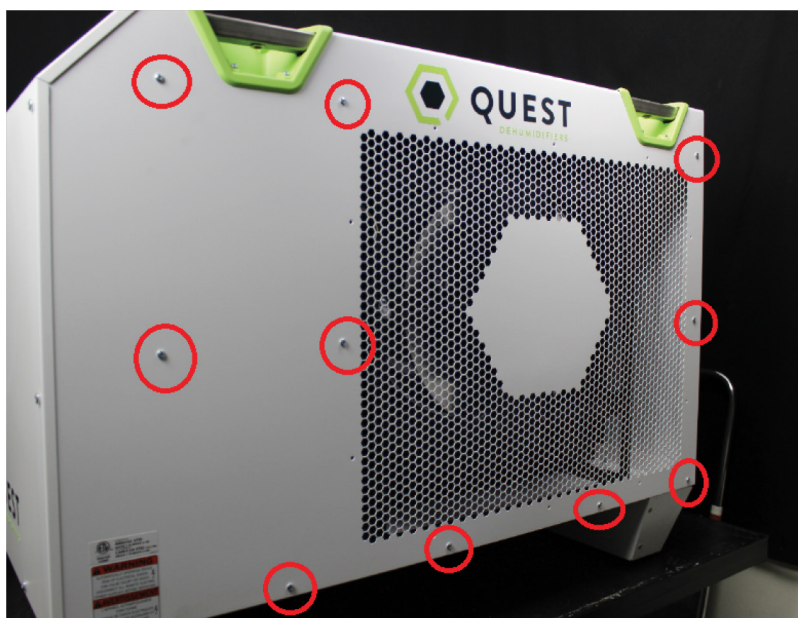
Quest 506-277v: #4036610

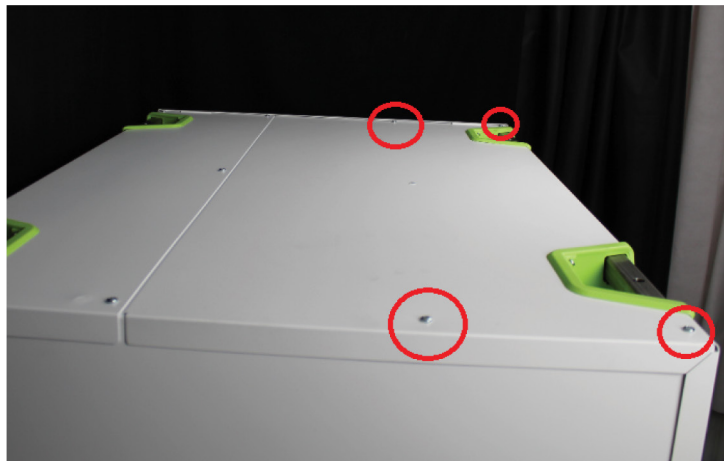
-  1. ***UNPLUG THE UNIT SO THAT NO POWER IS PRESENT*** 

2. If the unit is suspended using 3/8" threaded rod into the handle assemblies, uninstall the unit so that you can remove the fan side access cover.
3. Remove the Torx screws that hold the front control access cover in place:

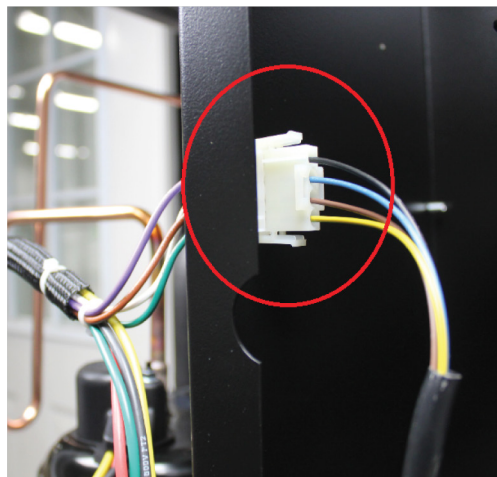


4. Remove the Torx screws that hold the fan side access cover in place – screws are located on side of panel, around handles, and on top side of panel:

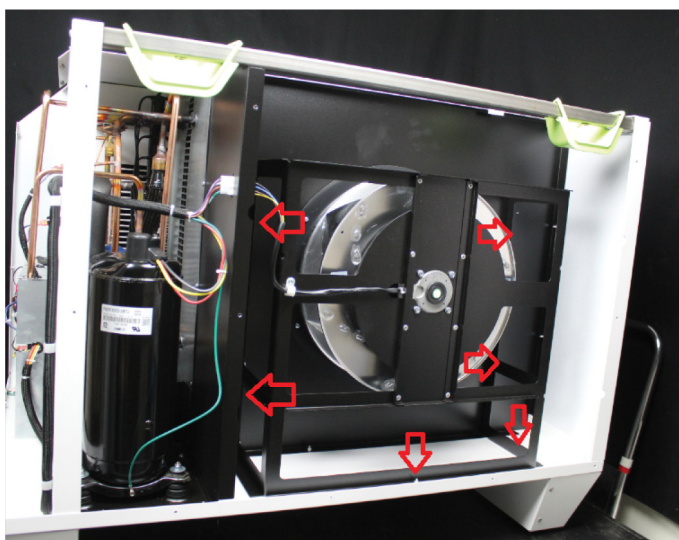




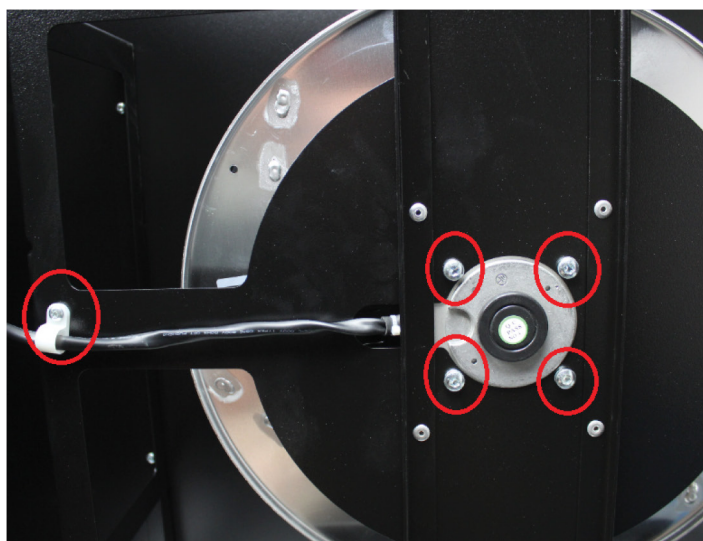
5. Remove handle trim pieces. Then remove fan side access cover to expose fan assembly.
6. Disconnect fan wire harness plug:



7. Remove Torx screws and nuts that hold the fan assembly bracket to the unit. Then remove bracket and fan motor assembly as one whole assembly from the unit:



8. With fan motor assembly removed from unit, remove the Torx screw from wire clamp securing wire to bracket. Then remove the 4 Torx screws that hold the fan motor to the fan bracket and remove fan motor:



9. Install new fan motor on bracket and reinstall in reverse order. ***NOTE: ONCE FAN BRACKET IS REINSTALLED, MAKE SURE THAT THE FAN MOTOR BLADE IS NOT RUBBING ON THE INNER FAN SHROUD - IF SO, READJUST FAN BRACKET***

10. Reinstall wiring plug, fan side access cover, handle trim plates, and front control access cover.
11. **If adequate power is available at site of repair, test unit operation before reinstalling the unit.**

Have Questions? Contact the Quest service department at **877-420-1330** or **service@questclimate.com**