



HERRMIDIFIER[®]
Engineered Humidification Systems

Trion Herrmidifier Motor Replacement

Instructions For Removing and Replacing Motor and Impeller

Disconnect the unit from the power source and turn off the water supply. Then open the junction box on the Herrmidifier and disconnect the motor wires. Remove the dome from the center pan. The center pan with the motor assembly attached is now free to be removed off the water tank. Please Note the four (4) rubber dampeners on the underside of the center pan. You will see four (4) brass hex nuts that hold the motor assembly (motor base and motor) onto the center pan. Loosen the nuts and gently remove the motor assembly off the center pan. It will be necessary to slide the motor wires out from the junction box and through the hole in the center pan. The impeller can now be removed from the motor shaft by loosening the set screw with a small Allen wrench. (The set screw is on the side of the stem immediately under the fins of the impeller.) Remove the two motor mounting nuts and remove the motor and cover from the motor base. Note the positions of the motor wires in the trough in the motor base.

Install the new motor to the motor base and connect with the two motor mounting nuts, being sure the wire is in the trough. Slide the motor cover over the motor and apply clear silicon caulking to seal to the cover to the motor base. Line-up the set screw in the impeller with the flat side of the motor shaft and slide the impeller as far as it will go onto the motor shaft. Do Not Tighten the set screw yet! Replace and the motor assembly onto the center pan making sure that each has a rubber grommet. Hand tighten the four (4) hex nuts. Tighten the hex nuts only about 1 turn after the rubber grommets starts to compress. Do Not over tighten! Now pull the impeller down and away from the motor so that the fins on the underside of the impeller are about 1/16" away from the center pan. Now tighten the set screw. Turn the impeller to be sure there is no rubbing. Complete the rest of the assembly in the reverse order.

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