

Repair Instructions

To replace the fan motor in Pharmacy and Lab Fridge



To suit: TPR/TLR-360/520/750/950/1150/1500

Approvals		
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Safety Reminder

Replacing this fan requires the technician to hold a suitable electrical licence.

These instructions do not purport to address all potential safety issues, if any, associated with the product's use. It is the responsibility of the user of these instructions to establish appropriate safety and health practices and determine the applicability of regulatory limitations before use.

Before attempting any of the following, perform the actions listed below:

- Turn OFF power to the machine.
- Unplug the machine.

Summary

These instructions are for removing and replacing an evaporator fan in a pharmacy / lab fridge.

Tools Required	
Screw driver	Phillips Head
Screw driver	Large Flat head
Allen Key	5 mm
Spanner	7/8 th Open ended
Wire Snips	
Safety Step	

Kit Contents		
Item	Description	Quantity
WRA18217	Fan Motor to suit	1
Cable ties	To suit fan power cable	2
	This guide	1

Section 1: Preparation

Turn off the power and remove the plug from the outlet and remove the top panel. In some cases you will need a safety step or step ladder to be able to remove this panel safely.



Slide the panel up which will free it from the locating blocks on the cabinet.



Pull the panel forward free of the blocks. This will allow you to access the enclosure that contains the evaporator fan

Section 2: Remove the Fan

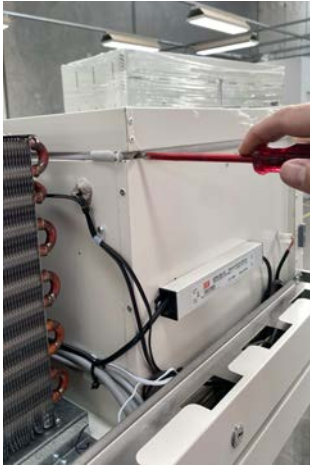


Remove the four screws (2 on either side) so you can remove the top cover of the fridge and gain access to the evaporator enclosure. This only applies to 360 cabinets. The other sizes do not have this cover.



Using a 5mm allen key, unscrew the allen bolts that is holding the cover of the evaporator enclosure.

Note: Some fridges have the evaporator cover held on by a bolt. Undo this using a 7/8th Spanner.



To open the evaporator enclosure, take a large flat head screwdriver and insert it between the foam tape and the top of the enclosure. Then, gently lever the screwdriver upwards to break the seal. This will allow you to remove the lid from the evaporator enclosure.



When you remove the cover, you will see the evaporator coil, the evaporator fan and the silver tube that contains the Dixell hot key sensor.



Use a small Philips head screwdriver to remove the Dixell hot key sensor housing and set it aside.



Remove the screws holding the evaporator fan in place (there are four in total). This will allow you to pull out the evaporator fan.



Disconnect the grey plug from the fan and cut the cable ties securing the fan power cable to it. This will enable you to swap it with a new fan.

Note: For older model fridges the fan has been hard wired in. You will need to cut the wires about 10cm from the fan to remove the fan

Section 3: Installation



Connect the power cable to the new fan and secure it with the supplied cable ties.



To install an older model fan in an older style cabinet, you'll need to splice the fan wires and chamber together, following the wiring instructions on the back of the fan.



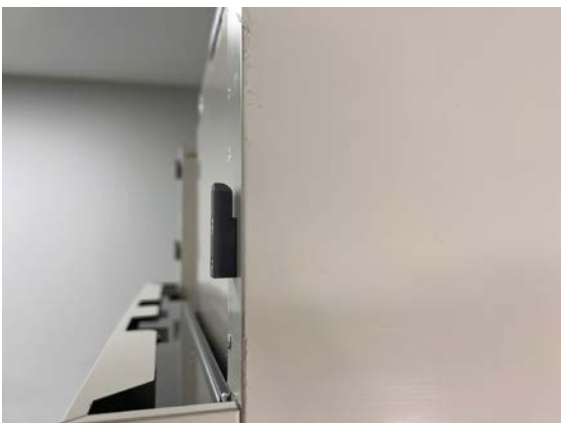
To install the fan properly, you need to align it with the metal supports. If the supports have moved, slide them back into position. Once the fan is aligned correctly, screw it down in place using a Phillips head screwdriver. Don't forget to reattach the bracket that contains the Dixell Hot Key Sensor.



To install the evaporator enclosure lid, ensure that the strip of foam running across the top is placed over the evaporator coil. This helps to cool hot air through the evaporator, rather than letting it pass above it. Once the lid is in place, screw it down securely.



Please attach the cover on top of the fridge and replace the screws.



You can reinstall the front panel. Place the panel slightly above it's final position matching the rectangular holes with the locating blocks.



Push the panel forward onto the blocks then slide it down to lock into place.

The panel should now be in place and even on all edges.



Section 4: Power ON

Plug the cabinet back in and turn on the power. Before using the fridge please make sure that the fridge is tested and does not need further calibration.

Section 5: Support and Contact

Repair and Support is available over the telephone Monday through Thursday from 8:30am to 4pm and Friday 8:30am to 2pm. Please contact service@thermoline.com.au for email technical support. You can also visit our website at www.thermoline.com.au for access to additional useful troubleshooting guides, operating manuals, and technical information.

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