

PROCEDURE

FAN SEALANT

UGH071-0924



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Purpose of this Document

This document describes the steps required to add silicone to fan cover door and plastic compression fittings for the air-cooled condenser fans on an ECO.

Scope


The repair requires one (1) tube of 100% clear silicon. Each fan on the chiller requires this procedure.



This equipment should be installed, adjusted, and serviced by qualified technical personnel. Before performing maintenance or repairs on this product, you should disconnect and lockout electrical power sources to prevent injury. Allow unit to cool prior to attempting work or repairs.

Procedure

- 1 Remove four (4) screws from the lid motor ①.
- 2 Apply silicone to low voltage control wire cord grip on the inside of the connector ②.
- 3 Unthread retaining nut from cord grip and slide it up the wire away from the exposed connector ③.
- 4 Apply a generous amount of silicone into the cord grip connector ④. Ensure that the silicone goes completely around the wire; fill as much of the connector as possible.
- 5 Carefully replace the cord grip nut and allow the excess silicone to leak out ⑤, being careful not to cross thread.
- 6 Hand-tighten the cord grip nut. The result is to have the nut squeeze the silicone further into the cord grip fitting and leak out the front as shown in ⑤.
- 7 Wipe off excess silicone as needed.
- 8 Run a bead of 100% clear silicone around the outer edge of the motor opening ⑥. This is to ensure additional protection against water infiltration. You may add silicone to the inside of the door cover edge. The fan cover doors have two different style gaskets. One style is a full gasket that covers the entire door and the other style has an o-ring.
- 9 Replace cover ⑦. Follow a cross pattern when tightening the screws as shown in the picture. Do not over tighten. Alternate from one side to another in a cross pattern.
- 10 Tighten all connectors ⑧. DO NOT OVERTIGHTEN.

 **NOTE:** Take care not to strip the threads on cover and plastic cord grip fittings.

