



3330 Dixie-Narco Blvd.
Williston, SC 29853
www.dixienarco.com

M094.0

Stack Vender EM3001 Refrigeration Enhancement

(609,047,10x.x4)

6-8-09

Models Affected: All Domestic Stack Vender with Model EM3001 Refrigeration Systems.

Reason: To improve performance of the refrigeration system.

In our continuing effort to improve the quality and reliability of the Model EM3001 Stack Vender Refrigeration System Dixie-Narco added a Condenser Pressure Switch in November 2007. This switch improves performance at lower ambient temperatures. Some of the unique items associated with the new EM3001 Refrigeration System (609,047,10x.x4) with a Condenser Pressure Switch are as follows:

- Condenser Fan Motor does not run when the compressor runs.
 - Condenser Fan Motor works off of pressure and temperature.
 - The colder the ambient temperature, the less the Condenser Fan Motor will run.
 - Condenser Fan Motor shuts off when the pressure gets to 123 PSI.
 - The hotter the ambient temperature, the more the Condenser Fan Motor will run.
 - Condenser Fan Motor runs when the pressure gets to 160 PSI.
- How do you test the Condenser Fan Motor when pressure is below 123 PSI?
 - Unplug Condenser Fan Motor and ohm it.
 - Unplug Condenser Fan Motor and develop a test cord to plug it to 115 VAC direct.

IMPORTANT Things You Should Be Aware of:

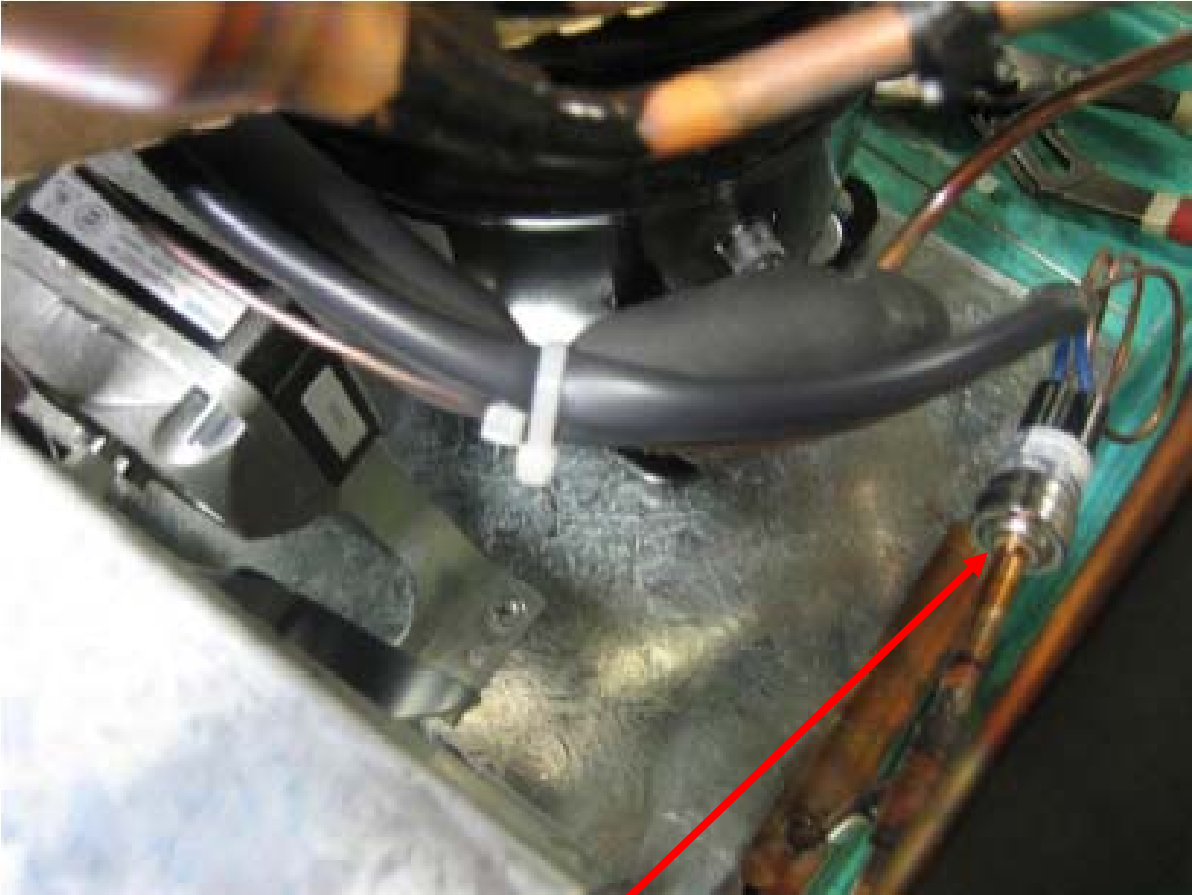
- On power up, the machine still uses the built-in 2 minute delay before the Refrigeration System starts. After this 2 minute period, the Compressor will start, depending on the Compressor pressures the Condenser Fan Motor may or may not start as the same time as the Compressor.
- For bench testing, a test cord will need to be developed to test the Condenser Fan Motor only.

Troubleshooting Notes:

The Refrigeration System is covered under your new product warranty and should be returned to Dixie-Narco in the event a warranty claim is required. The following can help you verify that you have a Refrigeration System problem.

- Using an appropriate measuring device you can ohm the Condenser Fan Motor to confirm it is functional.
- Contact the Dixie-Narco
- Department for assistance 803-266-5001.

Condenser Pressure Switch to our Model EM3001 Stack Vender Refrigeration



Pressure Switch