



Date: 03/23/2011

Target March 2011 P-Fresh / New Stores Post Turnover (03/24/2011)

Hot Gas Defrost Solenoid Failure

Refrigeration Service Providers,

Please be aware that we have been experiencing multiple failures of Sporlan Hot Gas Circuit Defrost Solenoids. These valves have been intermittently failing in the open position. This is causing high suction and subsequently high case temp alarms in the March 2011 stores.

If you are contacted for a service call pertaining to this it is imperative that you meet or exceed the two hour response time to help prevent the possibility of a product loss.

Attached is a document from Sporlan that will outline the method for repair of the solenoid coil

Also note that defrost times may have been temporarily changed at some of the March 2011 stores. Please do not change any set-points without Target's approval.

- **Issue:** Hot gas solenoid valves March 2011 cycle stores (New & Remodeled) stores have been sticking open causing rack shutdown. The alarm lists as 'Alarm Limit Exceeded' at the E2.
- **Solution:** The Sporlan Test Lab, in partnership with our manufacturers has identified the root cause of the sticking valve issue. The problem is caused by high carbon content in the solenoid coil. Inserting a brass washer between the top of the stem and the coil will cancel all residual magnetism. This is why failures have been inconsistent and only affected some stores.
- **Valves / Coils Affected:** All newly installed MKC-2 valves for March 2011 new & remodeled stores.

Repair

- If you receive a service call related to this problem please perform the repairs on all the affected valves/coils
- You may also be contracted by one or more of the three manufactures (Zero Zone, Hill , Hussmann) to install the brass washer
 - If you are contracted by a manufacture to make the repairs please get them completed in a timely manner!
- See attached Sporlan guide for process
- Insert the washer as depicted on the guide on all MKC-2 Coils in the store.



Reporting

- If you are contracted to perform the repairs follow the process that the manufacture provides.
- If you make the repairs during an emergency service call please contact FMOC.

Thank you,
Target Refrigeration Team