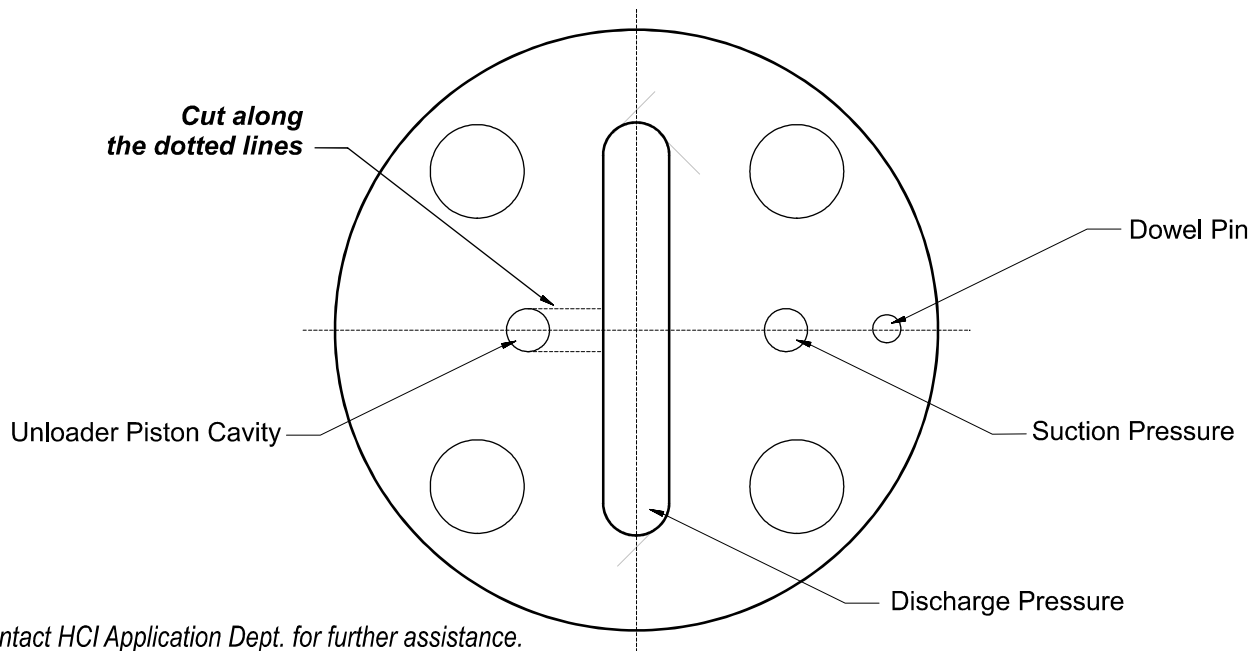

BIG-4 Unloader Troubleshooting Tip

This Service Bulletin is in response to situations when a Big 4 compressor with unloading is installed on a package and the unloader solenoids are missing.

SYMPTOMS: If your Big 4 compressor is experiencing extremely rapid and loud rattling you should check the compressor to make sure it is not equipped with an unloader. To do so check your compressor to see that the model number has an N. If so, you do not have the unloading feature on your compressor and you should immediately contact the Hartford Compressors Application Engineering Department for assistance. But if your model number does not have an N, you do have unloading and unloading solenoids installed on the heads. In this situation if you run this compressor with the shipping plate attached and do not have the solenoids, the result will be a loud rattling or chattering due to the unloading pressure pushing and pulling on the plate.

SOLUTION: If you do not have or are unable to get the unloader solenoids to install on the compressor, we have come up with a correction that can be performed at the job-site until proper parts can be purchased and installed.

The correction involves making an adjustment on the unloader gasket. First check to see that the unloader gasket is in good condition. After you inspect the gasket you need to make a cut on the gasket from the unloader piston cavity to the discharge pressure port. (*Please see the diagram below for location of cut*). This correction will allow enough of an opening for the gas to make its way between the unloader piston cavity and the discharge pressure opening. This sets the compressor in the "load" position.



Please contact HCI Application Dept. for further assistance.