

Title: 19DK COMPRESSOR ASSEMBLY INTERFERENCE

Number: C8902

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Supersedes: new

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Models Affected: ALL 17/19 DK/DR CHILLERS WITH DK COMPRESSORS

PURPOSE

The purpose of this bulletin is to alert service personnel of a possible interference condition in the assembly of 17/19 DK/DR chillers with DK compressors.

BACKGROUND

It has been reported that in a very few cases, the guide vane ring mounting bolts interfere with the volute casting and keep the V-band clamp flange from properly mating. See Figure 1. The joint comes together well enough to allow the clamp to be installed and the O-ring seals during the factory leak test but later the O-ring relaxes and a leak develops. It can be very difficult to diagnose this problem.

The volute machining has been revised to insure that there will be adequate bolt clearance as shown on Figure 1.

RECOMMENDATION

If there is a leak at the joint between the volute and the suction elbow, check for possible interference between the bolts and the volute casting. Grind the casting away locally to eliminate the interference.

MAIL KEYS: 2.33B, 2.33D, 2.40B, 2.45, 2.53, 5.14A, and 5.14B

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Figure 1

