



## SERVICE BULLETIN

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**Title:** 19XL Guide Vane Actuator  
**Models Affected:** 19XL

**Number:** C9207  
**Date:** 6/19/92  
**Supersedes:** None  
**Date:**

**Purpose:**

This bulletin is to alert field personnel about a wiring change in the guide vane actuator on all 19XL centrifugals. This wiring in the actuator should be updated on all machines.

**File:** Installation-Start-Up-Operation

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## **Background:**

Guide vane actuators on chillers shipped prior to July, 1992 have two ground wires in the top terminal box of the actuator. The PSIO module, which outputs a 4 to 20 mA signal to the actuator, is supposed to have a floating ground. These ground wires in the actuator cause the signal to be grounded which can cause the guide vanes to hunt or to oscillate.

## **Action:**

Open the top cover of the guide vane actuator and locate two green wires. One wire goes from terminal X to the actuator casing, the other goes from terminal G to the casing. Remove both of these ground wires by unscrewing the terminals, then unscrew the casing ground screw and remove the wires from the actuator entirely. Replace the casing ground screw because it holds the wiring terminal plate in place.

The vendor has been asked to make the change on the actuators, but continue to make a check for the wires when starting a unit for the first time or when replacing an actuator.