

TECHNICAL INFORMATION COMMUNICATION



Quality and Continuous Improvement

Number: TIC2021-0004

Date: 2/11/2021

Title: Modulating Inducer Assembly Power Connector Plug Position

Product Category:

Products Affected

59MN7B060C17--14	59MN7A060V17--14	987MB42060C17	987MA42060V17
59MN7B060C21--20	59MN7A060V21--20	987MB60060C21	987MA60060V21
59MN7B080C17--14	59MN7A080V17--14	987MB42080C17	987MA42080V17
59MN7B080C21--20	59MN7A080V21--20	987MB60080C21	987MA60080V21
59MN7B100C21--22	59MN7A100V21--22	987MB66100C21	987MA66100V21
59MN7B120C24--22	59MN7A120V24--22	987MB66120C24	987MA66120V24

Technical Information

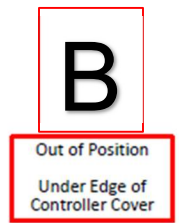
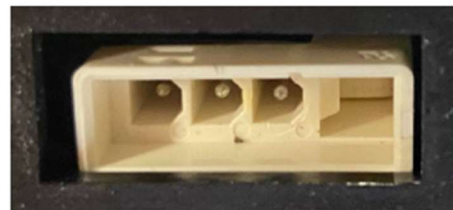
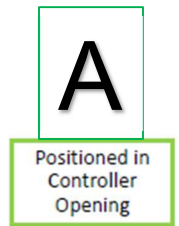
Investigation of modulating inducer assemblies that had been returned for noise has identified a potential for the power connector inside the assembly housing to be pushed under the edge of the assembly which could interfere with proper harness connection. This interference results in a potential of noisy or no operation of the inducer motor.

It is believed this incorrect position may be a result of movement during shipping or unit handling and not typical of operational movement.

This can be corrected by manually maneuvering the power connector inside the housing assembly to proper position. The operational problems were confirmed with repeatable maneuvering of the connector in and out of correct position.

Only trained and qualified personnel should design, install, repair and service HVAC systems and equipment. All national standards and safety codes must be followed when designing, installing, repairing and servicing HVAC systems and equipment. It is the responsibility of the Dealer to ensure local codes, standards, and ordinances are met.

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Field Interim Corrective Action:

1. In the event of inducer operational noise or no run condition review the position of the motor power connector. If the connector is out of position partially under the housing edge as shown in picture above (B) the connector position can be corrected in the field.
 - a. Disconnect from the incorrectly positioned connector and manually manipulate the connector out from under the edge of the housing to represent the correct position shown above (A). Reconnect the connector and verify proper operation.

Plant Interim Corrective Action:

1. The factory quality has been alerted and implemented production line measures to catch and correct this condition.

Permanent Corrective Action:

1. Redesign of the motor power connector mold will prevent the connector from being able to move under the housing edge and interfering with the harness connection. This will be a running change and seamless to the field.

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