



BY JOHNSON CONTROLS

SB0143

Supersedes: SB0143 (1214)

315

File In: N/A

SERVICE BULLETIN

Affected Equipment: TM3 VSD Compressor Drives
658 through 1100HP

Subject: Circuit Breaker Operating Mechanism Retrofit

Issue Date: 3/09/2015

Withdrawal Date: 7/15/15

Materials Needed: Part 026-46046-WTY Circuit Breaker Mechanism Kit

Tools Required: Large Flat Blade Screwdriver

Est. Time Required: 1 hour plus travel in accordance with policy

Warranty: Yes

KDD: 046

GENERAL

The bracket on the circuit breaker that holds the operating lever assembly contains a snap ring that holds the assembly in place. The groove for the ring was manufactured incorrectly, and the ring may not seat in the groove as designed. This may cause the shaft to pull out of the circuit breaker bracket and make the circuit breaker inoperable. Also, the ring may fall into other electrical contacts and cause a short circuit.

This issue affects TM-3 Drives with the following serial number ranges only:

- EVR-xxx through GWR-xxx (May 2013 through July 2014)
- HVM-xxx through FWM-xxx

SOLUTION

The entire bracket must be replaced. Failure to perform this task may cause damage to the equipment and/or possible harm to personnel.

The new bracket can be ordered from the JCI Parts Center. The part number is 026-46046-WTY.

PROCEDURE

1. Stop the chiller, remove all power to the VSD, and lockout/tagout. Wait 5 minutes for the bus capacitors to discharge.
2. Open the panel and verify with a voltmeter that the bus is discharged.
3. Remove the four screws (two on each side) holding the bracket to the circuit breaker, and remove the bracket.
4. Install the new bracket and secure with the four screws.

Work on this equipment should only be done by properly trained personnel who are qualified to work on this type of equipment. Failure to comply with this requirement could expose the worker, the equipment and the building and its inhabitants to the risk of injury or property damage.

The instructions on this service bulletin are written assuming the individual who will perform this work is a fully trained HVAC & R journeyman or equivalent, certified in refrigerant handling and recovery techniques, and knowledgeable with regard to electrical lock out/tag out procedures. The individual performing this work should be aware of and comply with all Johnson Controls, national, state and local safety and environmental regulations while carrying out this work. Before attempting to work on any equipment, the individual should be thoroughly familiar with the equipment by reading and understanding the associated service literature applicable to the equipment. If you do not have this literature, you may obtain it by contacting a Johnson Controls Service Office.

Should there be any question concerning any aspect of the tasks outlined in this bulletin, please consult a Johnson Controls Service Office prior to attempting the work. Please be aware that this information may be time sensitive and that Johnson Controls reserves the right to revise this information at any time. Be certain you are working with the latest information.

5. Close the door, and exercise the circuit breaker handle to verify that it works properly.
6. Place the old bracket in the box, and return it to:

Johnson Controls, Inc.

631 S. Richland Avenue

York, PA 17403

Door 100

Attn: Chelsea Paley

Please include the service defect number and the drive serial number in the box.

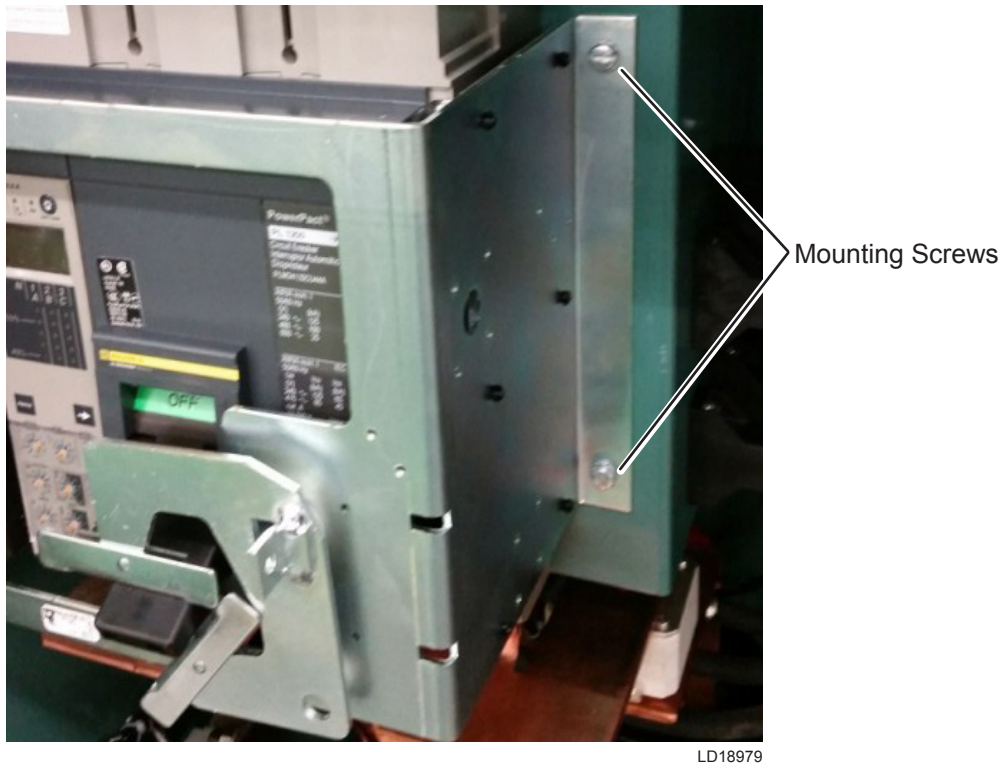


FIGURE 1 - RIGHT SIDE

**FIGURE 2 - LEFT SIDE****WARRANTY**

If the unit is still under warranty, claims to cover this Service Bulletin should be submitted using the standard warranty procedures. The problem description section of the warranty claim must contain a reference to this Service Bulletin (SB0143). All repairs covered by this letter must be made by JCI Service Personnel. The replaced bracket must be returned to Chelsea Paley at the address on previous page.

For repairs outside of the warranty period, file a Known Documented Defects (KDD) claim through standard processing using KDD-046, and reference this Service Bulletin.

Neither the warranty nor the KDD can be approved until the bracket is received.

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