



BY JOHNSON CONTROLS

Service Information

File In/With:	201.21-NMx, 201.23-NMx, 201.28-NMx	SI0261	
		New	0312

Equipment Affected:	YCAV, YCIV and YVAA VSDs
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VSD Power Conduit Cutout Sealing Procedure

PROBLEM

Moisture and condensation forming inside the VSD cabinet are resulting in component failures. The following are examples of issues that may occur from moisture collecting in the VSD cabinet:

- Rust forming on copper bus bars and power connections
- Rust forming on metal components
- Rust on the Printed Circuit Boards (PCB)
- Poor connections on the pins inside the plugs
- Main circuit breaker tripping
- Poor plug connections.

All of these issues could result in catastrophic failures, intermittent failures and expensive repair bills on the VSD.

SOLUTION

When installing the VSD Power IN and Power OUT conduits they MUST be sealed per JCI instructions to prevent moisture from entering the VSD cabinet.

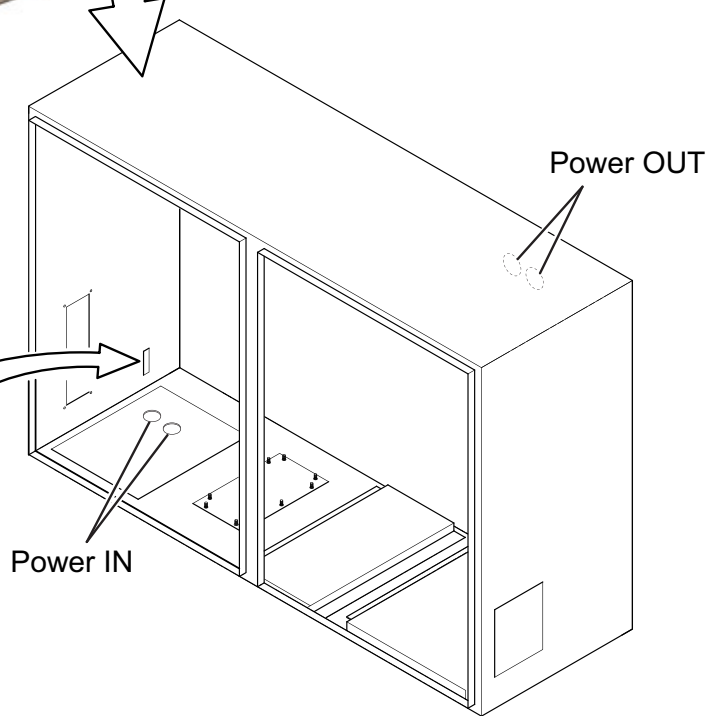
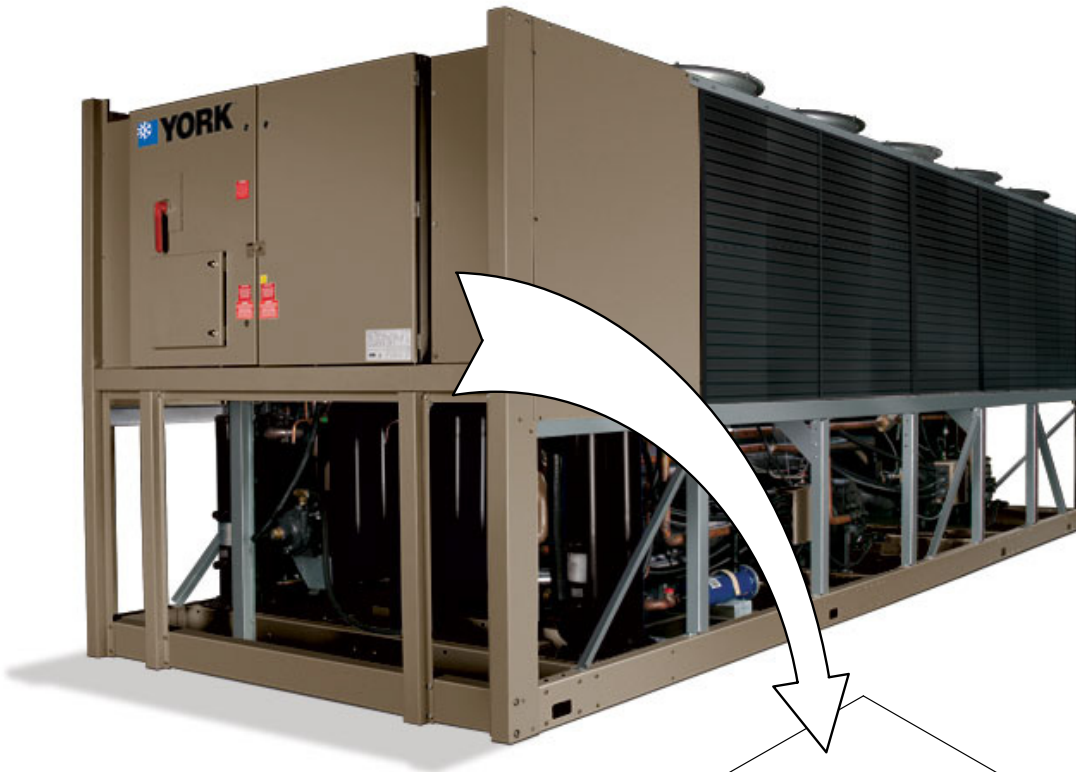



NOTE: The CAUTION label shown is located where the Power IN wires come into the VSD Cabinet.

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.





CAUTION

ALL CONDUIT OPENINGS MUST BE SEALED TO PREVENT AIR MOVEMENT FROM AND OR TO THE CONDUIT SOURCE. FAILURE TO COMPLY WITH THIS CAUTION CAN AND WILL RESULT IN THE FORMATION OF EXCESSIVE CONDENSATION INSIDE THIS PANEL AND WATER DAMAGE TO THIS EQUIPMENT.

¡PRECAUCION!

TODAS LAS PERFORACIONES PARA TUBO CONDUIT EN EL PANEL DEBERAN SER SELLADAS PARA EVITAR LA CIRCULACION DEL AIRE DEL INTERIOR AL EXTERIOR Y VISCEVERSA. EL NO CUMPLIR CON ESTA RECOMENDACION DARA COMO RESULTADO UNA CONDENSACION EXCESIVA DENTRO DEL PANEL Y UN DAÑO IRREVERSIBLE POR FORMACION DE AGUA EN EQUIPO.

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