



# Service Information

File In/With:		SI0318	
		New	316
Equipment Affected:	YCAL, YCRL, YCUL, YCWL, YLAA, YLPA		
Chiller Control Panels with 2550 or 3478 Microboards			

## BACKGROUND

As the electronics world has evolved, the memory of flash cards has dramatically increased. The 2GB SD (Secure-Data) format cards typically used with our microboards have been increasingly more difficult to find.

Working in tandem with Kingston Technology, the JCI Chiller Hardware and Software Engineering team have an innovative solution to the dwindling supply of 2GB SD cards.

## SOLUTION

Flash memory has a limited number of write cycle capabilities, meaning that SD cards will wear out after a period of time. To solve this problem, the format and flash controller in 4GB SD cards have been modified to "appear" like 2GB SD cards. This was done by creating a 2GB partition, whereby the remaining 2GB of excess memory will replace portions of the operating memory as it wears out. This special SD card has an extended lifespan, which exceeds that of a normal 2GB SD card.

The JCI/YORK part number for the blank SD card is 031-03466-000. It is available through Baltimore Parts.

Please note, using a locally purchased 2GB (or smaller) SD card for microboard programs or data logging will typically work. However, there have been instances where SD cards did not work. It was determined that these cards were previously used, but sold as new.

**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.