



BY JOHNSON CONTROLS

Service Information

File In/With:

Supersedes 113

SI0266

REV 314

Equipment Affected: YLAA - YCUL - YCAL - YCWL - YLUA - YLPA - YCRL

KITS AND FLASH CARD USED IN THE 031-02550-XXX CONTROL P.C.B.'S

KITS AND FLASH CARDS USED IN THE 031-02550-XXX CONTROL P.C.B.'S

When replacing the 031-02550-XXX Control P.C.B. you will find that there are two kits available. Each kit is specific for certain models and offers the following direction:

Kit p/n 331-02550-101: For use on YCAL and YCUL Product. Additionally this kit will come with two Flash Cards. Note the following direction on which Flash Card to use:

- Flash Card 031-02755-001 p/n for 12-86 nominal ton units.
- Flash Card 031-02755-003 p/n for 90 nominal ton units and up.

Kit p/n 331-02550-401: For use on YLAA, YLPA, YLUA, YCWL and YCRL Product. This kit comes with a single Flash Card 031-02755-004 p/n.

FIELD INSTALLATION SOFTWARE LOADING INSTRUCTIONS (READ BEFORE PROCEEDING)

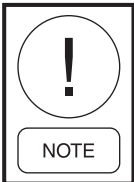
1. **BEFORE STARTING** the replacement, copy down the setpoints and configuration settings from the original PCB. (See Step 10)
2. **REMOVE POWER** from the VSD Chiller.
3. Remove the failed I/O board and IPU assembly from the chiller panel.
4. Install the replacement kit assembly in the chiller panel and connect ONLY the display (J1), keypad (J2) and power (J14) connectors.
5. Select the desired flash card from the kit and insert the flash card in the flash card slot (J5) on the I/O board (031-02550) until it clicks. (See Figure)
6. **APPLY POWER.** Boot-up can take as long as 10 seconds and will display an initializing message. The display will then show "Press 000 test or 100 test to begin". After another 15 seconds the display shall show reading flash card.
7. **DO NOT** remove the flash card or remove the power during this process.
8. After a minute or so, the display will show: cycle power to start new software (over)

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.

9. **REMOVE POWER.** Remove the flash card.
10. The New Control Board Kit comes complete with the BRAM (U5) Real Time Clock Lithium Battery installed. Although you can maintain set points and configuration settings by swapping out the old BRAM in place of the new, this is not a recommended practice. **DO NOT DO!** Prior to pulling the old board, copy down the set points and configuration settings, and program the new board with NEW BRAM.
11. Connect the remaining cables to the I/O board (031-02550).
12. **APPLY POWER.** Initializing messages shall appear on the display, followed by the standard status message.



If you suspect you received a defective part, you can contact Baltimore Parts at: 800-932-1701 / 410-780-9330.

