



Service Information

File In/With:	SI0372	
	New	1217
Equipment Affected:	YLAA	
Low suction faults: Electronic Expansion Valve Control Board		

GENERAL

Some YLAA chillers have experienced low suction nuisance faults. These nuisance faults can be alleviated by activating the ‘quick action’ setting on the firmware ‘B’ control boards.

To identify if the chiller is installed with the firmware 'B' control board, look for the last alpha-numerical designation printed on the board (it should to be 'B'). As shown in *Figure 1 on page 2*.

If the chiller has the firmware ‘A’ board and is experiencing low suction faults, it may be necessary to switch the control board to the latest firmware ‘B’ to stop this nuisance fault.

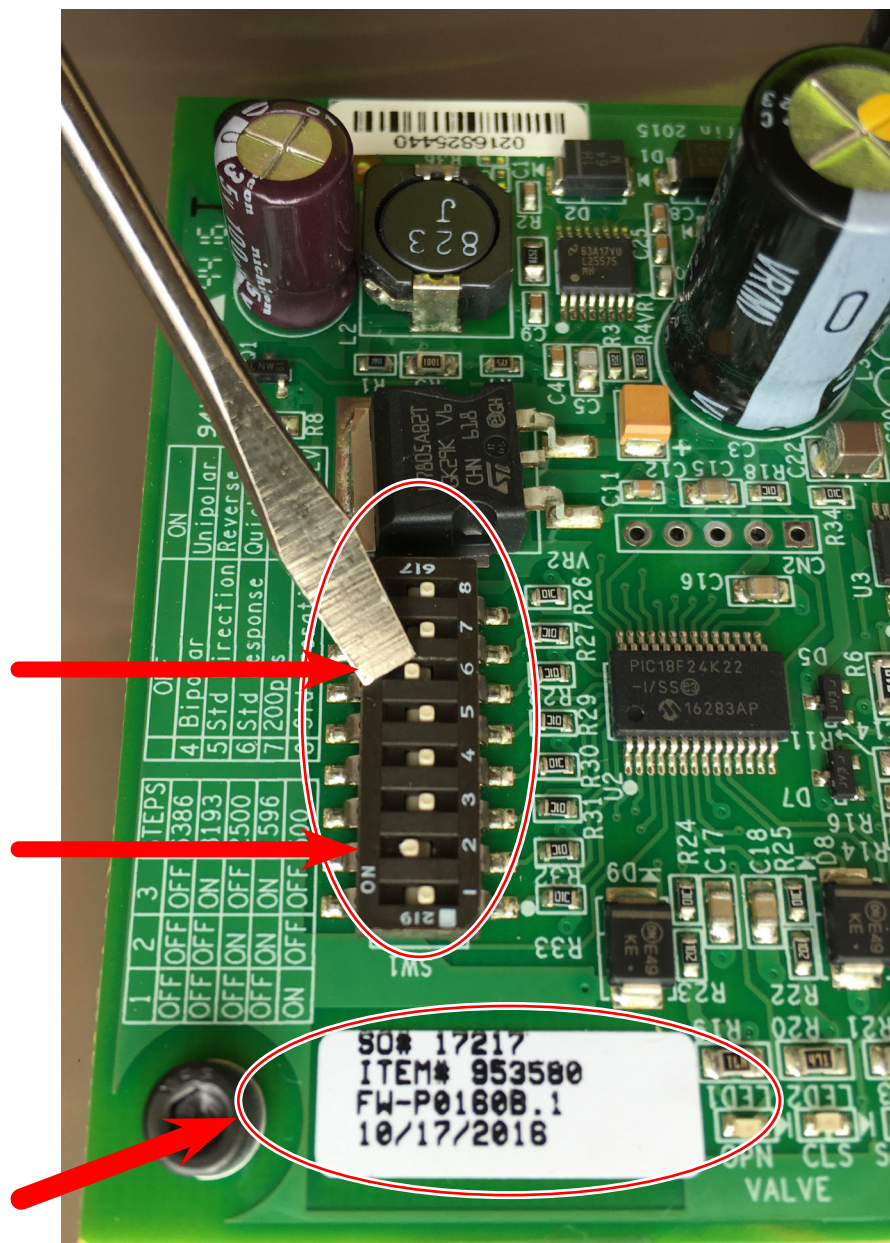
SOLUTION

1. Verify the software version on chiller by pressing HISTORY and then the DOWN ARROW to check. The software version should be **C.MMC.16.13**. If it is a lower version of software, it should be upgraded to the latest released version; 16.13, or newer.
2. Verify the firmware version on the EEV control boards (see picture). The firmware version should be “P0160**B**” in order to perform the next steps. If not as designated (Pxxxx**B**); procure part # 025-45462-042.
3. Remove all power from the chiller. There should be no lights on the EEV board.
4. Change DIP switch 6 to the ON position. **NOTE:** Do not change any other DIP switches. Only DIP switches 2 and 6 should be ON. See *Figure 1 on page 2*.
5. Reapply power to the unit and wait for the valves to complete the reset process.

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.



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FIGURE 1 - CONTROL PANEL