



Service Information

File In/With: SI0354	SI0354	
	New	617
Equipment Affected: YLAA		
Scroll Compressor Sequencing		

GENERAL

This Service Information letter is to provide a guideline for setting the scroll compressor sequencing on a trio set of compressors to:

- Start compressor # 2 first and
- Stop compressor # 2 last

This compressor sequencing change helps improve oil return and balancing between the scroll compressors.

SOLUTION

NOTE: The version of software that this option is available is 16.12 or later. The version can be found pressing HISTORY and then the DOWN arrow key. If the newer version is required, this can be procured from Baltimore Parts (YLAA software: **031-02755-004**. This includes the SD card).

To change the compressor sequence you need to enter service mode:

- Unit switch off position
- Press Program, UP, UP, DOWN, DOWN, ENTER
- Cycle through the service mode pressing ENTER until you find “SYS 1 (or 2) COMP SEQUENCE”. Use the UP/DOWN arrow keys to cycle between AUTO, COMP 1, COMP 2, COMP 3. Select ‘COMP 2’ and press ENTER to select the setting. You will need to change the setting for systems with trio set of compressors.
- Setting to AUTO will allow the compressors to start randomly as they always have based on run time and number of starts. Selecting one of the COMP will set that compressor to be the first on and last off compressor.

Continued on next page.

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.

- **In this case**, select COMP2, that will mean that compressor 2 in the trio will be the first on and last off, and will not run randomly based on the run time and number of starts.

If the unit has soft starters installed on the last compressor, the settings must be in AUTO and the SOFT STARTER option in the Service menu must be ENABLED. You cannot change the compressor starting sequence on units that have soft starters on the last compressor of each system. IF a unit has soft starters on every compressor in the system, then you can DISABLE the SOFT STARTER option and select the appropriate compressor sequence.