

TECHNICAL INFORMATION COMMUNICATION



Quality and Continuous Improvement

Number: TIC 2022-0014

Date: 6/22/2022

Title: 38VMA Solenoid Valve Magnet Removal

Product Category: Variable Refrigerant Flow (VRF)

Products Affected:

38VMA072RDS5-1
38VMA072RDS6-1
38VMA096RDS5-1
38VMA096RDS6-1
38VMA120RDS6-1
38VMA120RDS5-1

Serial range: equipment manufactured prior to **1422V00886**

Situation:

Magnets have been added to SV3A to hold valve in the open position to prevent pressure build up in ODU piping section. This Magnet is not required for normal operation and should only be removed 24hrs. prior to start-up when power is initially applied to the system.

Technical Information:

It has been determined by our engineering and manufacturing team there is a potential for standing pressure in a de-energized unit to rise to the point of causing internal damage to the ODU. In response to this possibility, it has been decided that the systems currently in our Rialto warehouse should have the SV3A valve cycled to equalize system pressure. A magnet is then added to prevent any future rise in pressure, this magnet must be removed (image3) at start-up prior to initial operation of the equipment. Labels (image1) and Tags (image2) have been added to the ODU to identify this step. Additionally, a software change will be implemented that will cycle the valve once the unit is in operation but thermally satisfied.

For any distributor inventory, once equipment arrives on site power should be applied to the unit as the first step. Once power is applied the contractor can activate the N23 function for refrigerant recovery mode. This will open all the valves in the ODU allowing for pressure to equalize.

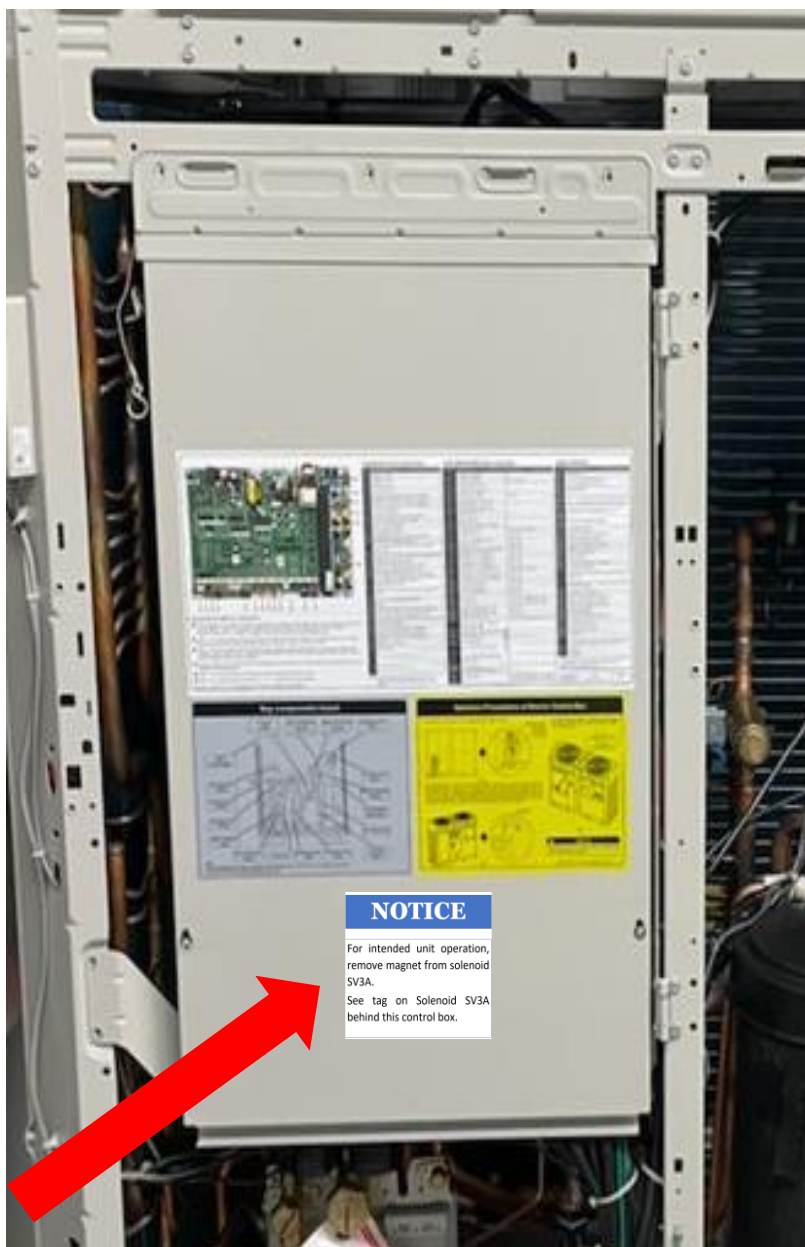
References:

Only trained and qualified personnel should design, install, repair and service HVAC systems and equipment. All national standards and safety codes must be followed when designing, installing, repairing and servicing HVAC systems and equipment. It is the responsibility of the Dealer to ensure local codes, standards, and ordinances are met.

TECHNICAL INFORMATION COMMUNICATION



Image 1: Label on electrical panel



Only trained and qualified personnel should design, install, repair and service HVAC systems and equipment. All national standards and safety codes must be followed when designing, installing, repairing and servicing HVAC systems and equipment. It is the responsibility of the Dealer to ensure local codes, standards, and ordinances are met.

Image 2: Tag on SV3A valve



TECHNICAL INFORMATION COMMUNICATION



Image 3: Magnet removal on SV3A



must be followed when designing, installing, repairing and servicing HVAC systems and equipment. It is the responsibility of the Dealer to ensure local codes, standards, and ordinances are met.