

### ST-03 / ST05 EEV Block-off Tool Directions:

The ST-03 and ST-05 EEV Block-off Tools are used to temporarily replace a damaged or non-functioning EEV stepper motor in an IDU or HR box. The ST-03 tool closes the EEV, thus preventing refrigerant flood-back thereby allowing the system to continue to operate until the failed EEV stepper motor can be replaced.

Step 1: Place the system in OFF mode.

Step 2: Remove the existing stepper motor.

Step 3: Install the ST-03 EEV Block-off Tool. Verify the pointed tip of the brass thumb screw of the tool is aligned with the recessed dimple in the plunger.

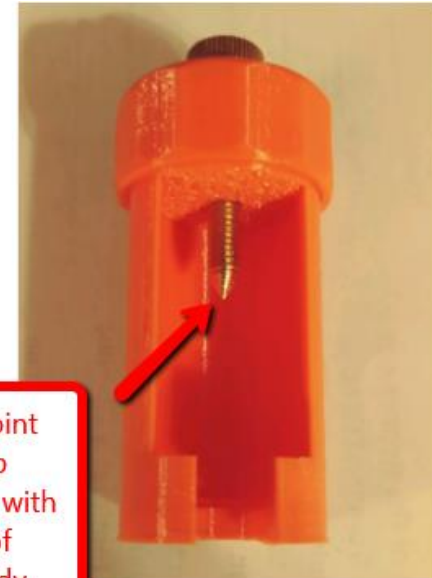
Step 4: Tighten the thumb screw as necessary to seat the valve body plunger, thus closing off refrigerant flow thru the valve.

**DO NOT OVER-TIGHTEN TO PREVENT DAMAGE TO THE TOOL.**

Step 5: Remove the system from service mode and reset.

Step 6: Restart the system and verify refrigerant is no longer bypassing thru the valve.

The ST-03 Tool is for temporary use only. The valve stepper motor should be replaced as soon as possible.



Verify the point of the thumb screw aligns with the dimple of the valve body plunger.



When the system is off, the refrigerant pressures on both sides of the EEV plunger will be close to the same. The plunger travel is less than 1/4" and does not require a lot of force to seat it. Be careful not to not apply excessive torque or damage to the tool may occur.

**\* This EEV Block-off Tool should only be used by qualified technicians who have been properly trained for troubleshooting and repairing VRF equipment.**

**VRF Specialty Tools assumes no liability for damage to the equipment, or the tool itself, as a result of improper use of the tool and/or failure to verify normal equipment operation after the tool has been used.**

**Limited Warranty:**

**Thank you for your purchase. All items sold by VRF Specialty Tools are warranted for 1 year from the date shipped. Warranty does not cover obvious physical damage from mishandling or exposure to water.**

**To obtain warranty please fill out the information below and email to [bld529.vst@gmail.com](mailto:bld529.vst@gmail.com).**

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