

Revision Date: 1/27/2025

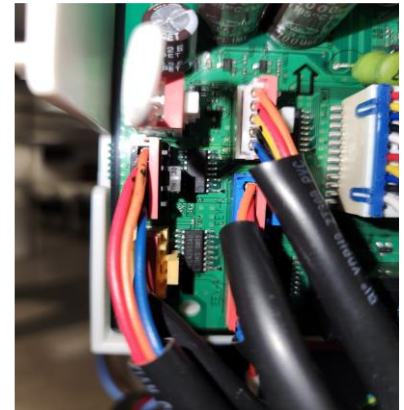
Subject: E422 Error Code

Models: FJM, RAC, CAC

Title: EEV Open Error. EEV 1 in Outdoor Unit Cannot Fully Open

Troubleshooting Steps

1. Disconnect power to the condenser and inspect the EEV electrical connector to ensure it is properly plugged into the PCB
2. Remove the EEV coil and inspect for rust or foreign objects.
3. Reseat coil to its proper position.
4. Remove the electrical connector for EEV #1 (A port) and measure the resistance between the blue wire and other colored wires. Use the resistance table below.
5. If the resistance is inconsistent, replace EEV #1 (A port) coil.
6. When power is supplied, do you hear or feel the EEV coil vibrate during calibration? If not, troubleshoot PCB.
7. Ohm EVA IN/OUT thermistors using a 10k ohm resistance chart.
8. When the system is running in cool mode, does your suction pressure go into a vacuum? On FJM model, run each Indoor unit individually to verify operating pressures. Replace EEV #1 (A port) assembly.

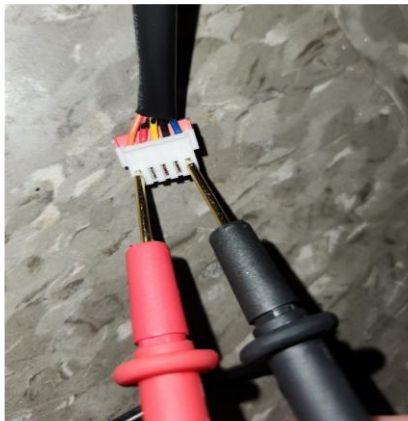


Inspect EEV Plug Location



Remove & Inspect EEV Coil for Rust or Foreign Object

Test Resistance



Winding	Resistance
Blue - Black	$46 \pm 2 \Omega (68F)$
Blue - Yellow	$46 \pm 2 \Omega (68F)$
Blue - Red	$46 \pm 2 \Omega (68F)$
Blue - Orange	$46 \pm 2 \Omega (68F)$

Blue - Orange / Red / Yellow / Black
: $46 \pm 10 \% \Omega$ at 20°C

Orange - Yellow : $92 \pm 10 \% \Omega$ at 20°C

Red - Black : $92 \pm 10 \% \Omega$ at 20°C