

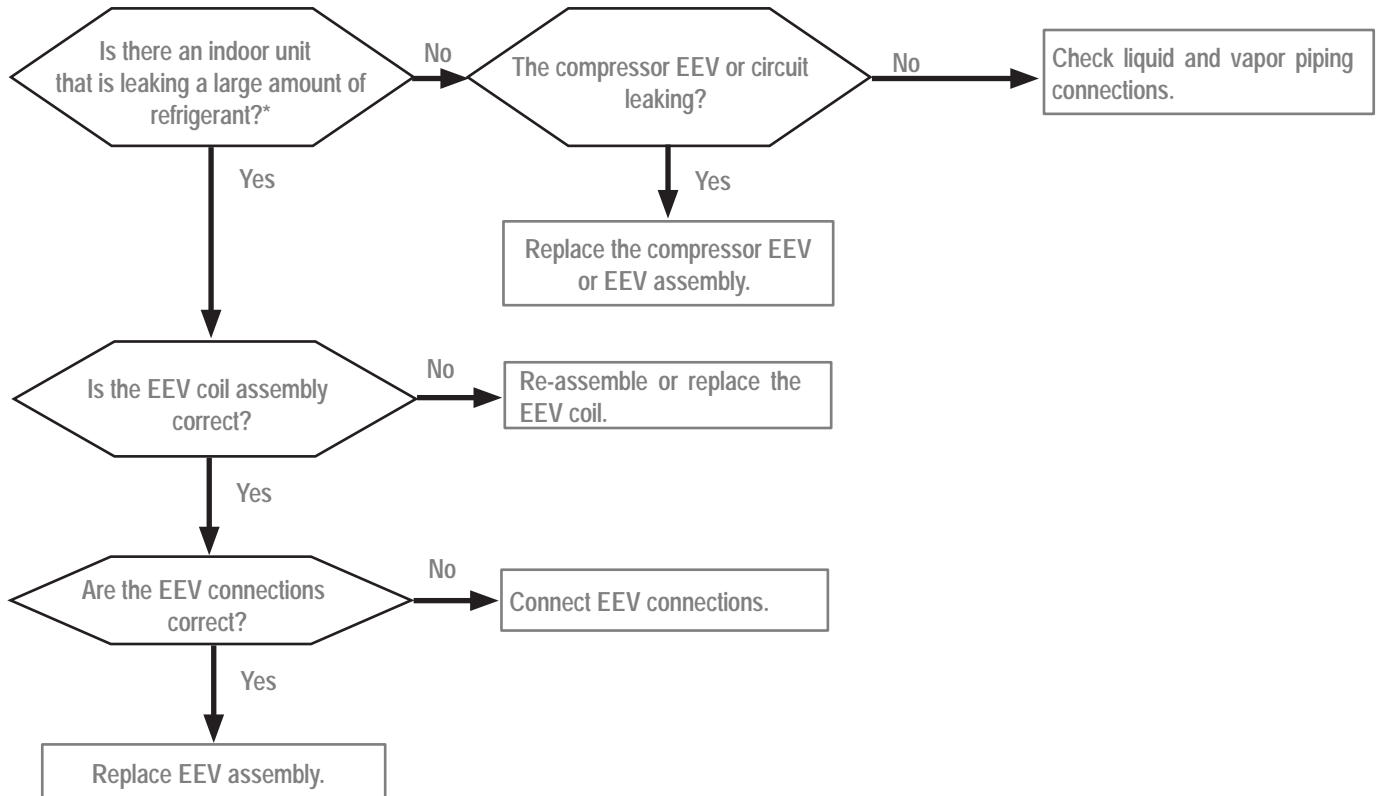
ERROR CODES

Error No. 150



WARNING Please refer to the Safety Precautions on pages 4-7 for more detail to prevent injury or death regarding the operation and service troubleshooting of the Multi V product.

Error No.	Description	Details	Causes
150 Master: 1501 Slave 1: 1502 Slave 2: 1503	Outdoor unit compressor discharge superheat not satisfied.	<p>Code indicates that based on current superheat measurements, there is a high possibility of liquid refrigerant flooding back and damaging the compressor.</p> <p>Discharge superheat is <math><4.8^{\circ}\text{F}</math> (liquid bypass) for ≥ 5 minutes.</p> <p>Code can only occur when the outdoor is operating in cooling mode (all indoor units must be in cooling mode; error cannot occur during simultaneous operation).</p> <p>The first time superheat falls <math><4.8^{\circ}\text{F}</math> ($<3^{\circ}\text{C}</math>) for 5 minutes, the system will shut down and CH150 is displayed on all indoor unit zone sensors and central control devices. After the initial occurrence, the outdoor unit cycles off and will auto-restart.$</math></p> <p>Following the initial restart, and after 10 minutes of operation to allow the system time to stabilize, if the superheat again falls <math><4.8^{\circ}\text{F}</math> ($<3^{\circ}\text{C}</math>) for 5 minutes, the system will shut down and auto restart for a second time.$</math></p> <p>If error occurs 3 times within any 1 hour period of compressor operation, the error code will be assigned a Level 3, and the system will shut down and remain off. A manual restart will be necessary.</p>	<p>After at least 10 minutes of compressor operation, the master outdoor unit microprocessor will calculate the system's compressor superheat. If at any time during compressor operation where all indoor units in thermal on are in cooling mode and the compressor superheat falls <math><4.8^{\circ}\text{F}</math> (<math><3^{\circ}\text{C}</math>) for ≥ 5 minutes, there is a high probability that liquid could flood back to the inlet of the compressor scroll, resulting in compressor damage.</math></math></p> <ol style="list-style-type: none"> 1. Indoor unit EEV has disconnected or short circuited. 2. Defective compressor EEV (large refrigerant leak has occurred). 3. Defective liquid piping and / or vapor piping connections.



*Excessive refrigerant leak: Both the piping inlet and outlet temperatures are $<50^{\circ}\text{F}</math> when the indoor unit is off (EEV 40 pulses). Also, a loud refrigerant flow noise was heard.$