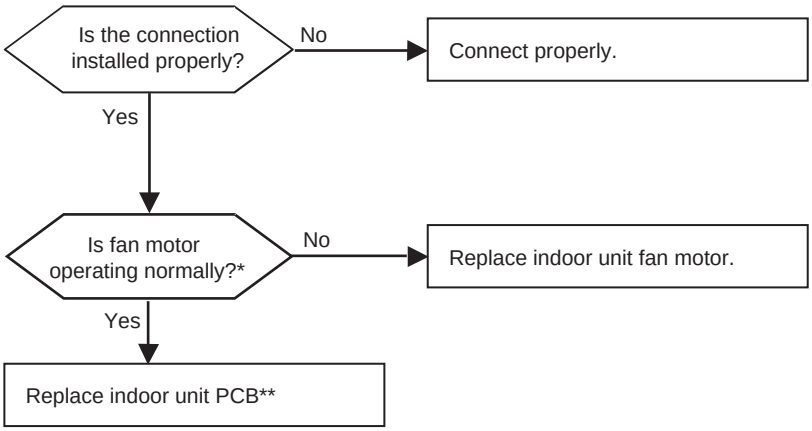
ERROR CODES

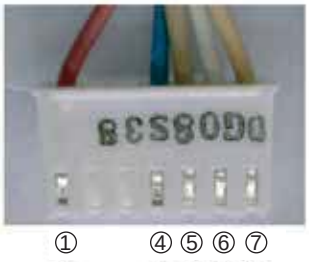
Error No. 10

⚠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
10	Indoor unit BLDC fan motor communications error.	Indoor BLDC fan motor feedback signal has been absent for at least 50 seconds.	1. Fan motor connector has been disconnected, removed, or malfunctioned. 2. Indoor fan motor lock has failed. 3. Indoor PCB error.



*The indoor unit fan motor hall sensor is operating normally when the values measured are as shown below.



Measure Each Terminal with the Tester

Tester		Normal Resistance (±10%)	
+	-		
①	④	∞	∞
⑤	④	Hundreds kΩ	Hundreds kΩ
⑥	④	∞	∞
⑦	④	Hundreds kΩ	Hundreds kΩ

Checking the Fan Motor Connections

Note:

Images here are representative of system components. Actual component appearance depends on model and system type.

** Replace the indoor unit PCB, perform the Auto Addressing procedure, and then input the central control address.

⚠WARNING

Check the fan motor connection to the PCB only when power is OFF. Electrical shock can cause physical injury or death.

⚠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.*

Dismantling / Servicing the Control Box and Inverter PCB

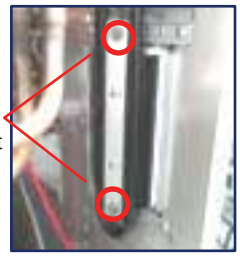
Note:

- ⃠ *Do not remove the heat sink assembly before detaching the middle bracket screws.*
- *Use care when detaching the heat sink assembly.* ⃠ *Do not apply excessive force. Applying excessive force will damage the heat sink assembly and will cause the unit to malfunction.*

Dismantling / Servicing the Control Box

1. Remove the control box cover.
2. Remove the middle bracket screws.
3. Gently detach the heat sink assembly from the control box.
4. Disconnect the fan lead wire from the control box, and detach the compressor lead wires from the compressors.
5. Detach the outer screws, and then remove the control box assembly from the outdoor unit.
6. To reassemble the control box, follow Steps 5 through 1 above.

Figure 64: Detaching the Middle Bracket Screws.

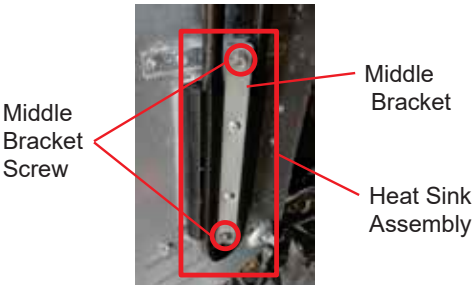


Note:

Heat transfer paste at the heat sink is required. For instructions, see "Replacing the Inverter PCB Heat Sink" page later in this section.

Figure 65: Removingthe Control Box Cover.

Figure 66: Removing the Middle Bracket Screws.



Dismantling / Servicing the Inverter PCB

1. Detach the four (4) thermal pad mounting screws at the left side of the control box.
2. Disconnect the compressor (U/V/W) and the power input (R/S/T) lead wiring.
3. Detach the two (2) middle IGBT mounting screws.
4. Remove the Inverter PCB from the control box assembly.
5. Remove the PCB from the corner supports.
6. To reassemble the Inverter PCB, follow Steps 5 through 1 above.

Figure 67: Detaching the Mounting Screws.

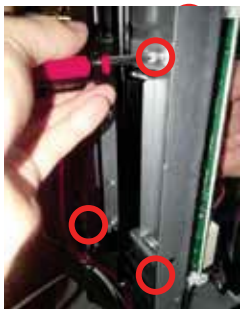


Figure 68: Disconnecting the Compressor and Power Input Wiring.

Figure 69: Detachingthe IGBT Screws.

1

Note:

- *Only use a JIS screwdriver. A standard Phillips screwdriver will damage / strip the inverter PCB screw heads.*
- *Heat transfer paste at the heat sink is required. For instructions, see "Replacing the Inverter PCB Heat Sink" page later in this section.*
- *Carefully reconnect the wires with out interchanging the locations.*

⚠WARNING

Dismantle the Control Box and Inverter PCB only when power is OFF. Electrical shock can cause physical injury or death.

Figure 70: Removing the Inverter PCB.

Figure 71: Removing the PCB.

Note:

Images here are representative of system components. Actual component appearance depends on model and system type.