



VTT/VTX Spare Part Instructions

KIT CCM-CIM 24V CABLE

110065 & 110105.



Installation and servicing of Danfoss Turbocor® compressors by qualified and product trained personnel only. Follow these instructions and sound refrigeration/electrical/servicing practices relating to installation, commissioning, maintenance and service.

<p>Consult the appropriate Danfoss Turbocor Compressors Inc. (DTC) Service Manual on turbocoroem.com for detailed service instructions.</p>	<p>Never power compressor without covers in place and secured.</p> <p>Opening the drive panel will expose you to a voltage hazard of up to 575V AC and 900V DC. Ensure the mains input power is off and locked out before opening panel.</p> <p>Before opening the drive panel, wait at least 20 minutes after isolating AC power to allow the high voltage capacitors to discharge.</p>	<p>Always wear appropriately rated safety equipment when working around equipment and/or components energized with high voltage.</p> <p>This equipment contains hazardous voltages that can cause serious injury or death.</p>	<p>Recover all refrigerant from compressor in accordance with local codes and ensure pressure is fully vented before the removal of refrigerant containing components.</p>
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1 - Introduction

This kit contains the CCM-CIM 24V Cable. Please refer to our Service Manual for details regarding the replacement of this cable.

We have made the **VTT/VTX Service Manual** available to anyone. To access the manual, you may scan the applicable QR code below or you may go to our DTC website at www.turbocoroem.com. At the top of the page there is a pull-down menu called "Quick Links." Click this menu and select the appropriate service manual.

Refer to the applicable QR code below to download the VTT/VTX Service Manual.

English



Chinese



2 - CCM-CIM 24V CABLE Removal Instructions

NOTE: There are two (2) different styles of the CCM-CIM 24V cables. Revision “A” and “B” cables include Molex style connectors while Revision “C” and later cables include terminal block style connectors. As a result of this change, the connectors on the CCM board, CIM, and cable must match (i.e., revision “A” or “B” for the CCM board, CIM, and cable or Revision “C” or later for the CCM board, CIM, and cable).

1. Isolate VTT/VTX power as described in Section “Electrical Isolation of the VFD” of the Service Manual (M-SV-VT-001).
2. Remove the Service Side Cover.
3. Locate J7 on the CCM board and unplug the connector.
4. Remove the control panels cover where the CIM is located.
5. Remove the 24VDC connector from the CIM board.
6. Route the cable out of the service side and CIM boxes.

3 - CCM-CIM 24V CABLE Installation Instructions

1. Route the new cable between the CCM and CIM.
2. Insert the 24VDC connector to the CIM board.
3. Insert the 24VDC connector into J7 on the CCM board.
4. Replace covers.
5. Return the compressor to normal operation.
6. Test run the compressor to verify proper operation.

4 - Kit Contents

Kit numbers	Compressor models	
110065	VTT	
QTY	Part(s) Description	Picture(s)
1	ASSEMBLY - CABLE 24V CCM - CIM	

Kit numbers	Compressor models	
110105	VTT/VTX	
QTY	Part(s) Description	Picture(s)
1	ASSEMBLY - CABLE 24V CCM - CIM	