




KIT CCM-CIM CABLE

110059 & 110103.

 <p>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>			
<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>

1 - Introduction

This kit contains the CCM-CIM 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 CABLE Removal Instructions

NOTE: There are two (2) different styles of the CCM-CIM cables. Revisions "A" and "B" cables include Molex style connectors while Revision "C" or 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" and "B" for 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 cover to the controls panel.
3. Disconnect the J2 CCM CAN terminals from the CIM.
4. Remove the compressor the Service Side Cover.
5. Disconnect J17 from the CCM board.
6. Remove the cable between the CIM and CCM boards.

3 - CCM-CIM CABLE Installation Instructions

1. Route the cable between the CCM and CIM.
2. Connect the cable to the J2 CCM/CAN termination on the CIM board.
3. Connect the opposite end of the cable to J17 CIM on the CCM board.
4. Secure the cables.
5. Reinstall the covers.
6. Return the compressor to normal operation.
7. Test run the compressor to verify proper operation.

4 - Kit Contents

Kit numbers		Compressor models	
110059		VTT	
QTY	Part(s) Description	Picture(s)	
1	ASSEMBLY - CABLE CAN CCM - CIM		

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110103		VTT/VTX	
QTY	Part(s) Description	Picture(s)	
1	ASSEMBLY - CABLE CAN CCM - CIM		

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