



# KIT CONTROL CARD VFD

110087



**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 <a href="http://turbocoroem.com">turbocoroem.com</a> for detailed service instructions.</p>	<p><b>Never power compressor without covers in place and secured.</b></p> <p><b>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.</b></p> <p><b>Before opening the drive panel, wait at least 20 minutes after isolating AC power to allow the high voltage capacitors to discharge.</b></p>	<p>Always wear appropriately rated safety equipment when working around equipment and/or components energized with high voltage.</p> <p><b>This equipment contains hazardous voltages that can cause serious injury or death.</b></p>	<p><b>Recover all refrigerant from compressor in accordance with local codes and ensure pressure is fully vented before the removal of refrigerant containing components.</b></p>
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## 1 - Introduction

This kit contains the Control Card. Please refer to our Service Manual for details regarding the replacement of this component.

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](http://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 - CONTROL CARD Removal Instructions

1. Isolate VTT/VTX power as described in Section "Electrical Isolation of the VFD" of the Service Manual (M-SV-VT-001).
2. Open the front panel of the VFD.
3. Remove the plastic housing that covers the metal mounting bracket for the Control Card.
4. Remove the wiring from the card. Be sure to mark the control wiring so it is correctly placed into the new card.
5. Remove the metal cradle that holds the Control Card.
6. Remove the card and disconnect the ribbon cable.

3 - CONTROL CARD Installation Instructions

1. Insert the ribbon cable to the back of the new Control Card.
2. Install the Control Card.
3. Attach the metal cradle to the front side of the VFD card.
4. Terminate the control wires that were marked in removal process.
5. Replace the plastic housing back over the 9-pin connector and place gasket around the housing.
6. Close the door on the panel and verify the gasket is properly placed.
7. Return the compressor to normal operation.
8. Test run the compressor to verify proper operation.

4 - Kit Contents

Kit numbers	Compressor models	
110017	VTT/VTX	
QTY	Part(s) Description	Picture(s)
1	VFD Control Card	