


# KIT FRONT BEARING SENSOR CABLE

110031.

 <p><b>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.</b></p>			
<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>

## 1 - Introduction

VTT/VTX Front Bearing Sensor Cable replacement.

This kit contains the Front Bearing Sensor 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](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**



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## 2 - FRONT BEARING SENSOR CABLE Removal Instructions

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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 Electronics Cover.
3. Remove the 9-pin connector from the CCM board.
4. Twist and pull to remove the sensor cable connection from the feedthrough.

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## 3 - FRONT BEARING SENSOR CABLE Installation Instructions

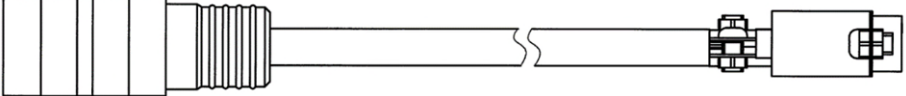
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1. Attach the bearing sensor cable to the feedthrough.
2. Install the 9-pin connector onto the CCM board.
3. Ensure the connections are tight at both ends of the cable.
4. Install the Service Side Cover.
5. Return the compressor to normal operation.
6. Test run the compressor to verify proper operation.

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## 4 - Kit Contents

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Kit numbers	Compressor models	
110031	VTT/VTX	
QTY	Part(s) Description	Picture(s)
1	CABLE - TWIN SIGNAL FRONT SENSOR	

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