




# KIT REAR BEARING SENSOR FEEDTHROUGH

110069.

 <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

This kit contains the Rear Bearing Sensor Feedthrough. 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**



**NOTE:** The below instructions are a high-level view of the steps to replace the Rear Bearing Sensor Feedthrough. Please refer to the Service Manual for the detailed steps.

2 - Rear Bearing Sensor Feedthrough Removal Instructions

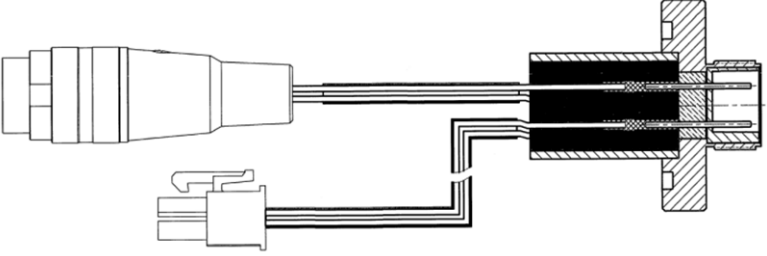




1. Isolate VTT/VTX power as described in Section "Electrical Isolation of the VFD" of the Service Manual (M-SV-VT-001).
2. Isolate the compressor and recover the refrigerant according to industry standards.
3. Remove the compressor End Cap.
4. Remove the Service Side Cover.
5. Disconnect internal Rear Bearing Sensor Feedthrough cable.
6. Disconnect the external bearing sensor cable from the feedthrough.
7. Remove fasteners holding the Rear Bearing Sensor Feedthrough to compressor housing.
8. Carefully remove bearing sensor feed through and gently pull the connectors through the housing.
9. Remove the O-ring.





3 - Rear Bearing Sensor Feedthrough Installation Instructions

1. Place new O-ring onto new Rear Bearing Sensor Feedthrough.
2. Carefully slide internal connectors into housing until the feedthrough is in place.
3. Install the Rear Bearing Sensor Feedthrough to the housing.
4. Connect the Rear Bearing Sensor Feedthrough wire to the internal connectors.
5. Connect the external bearing sensor cable to the feedthrough.
6. Install the Service Side Cover.
7. Install the End Cap.
8. Leak test and evacuate compressor in accordance with standard industry practices.
9. Return the compressor to normal operation.
10. Test run the compressor to verify proper operation.

4 - Kit Contents

**Note:** Any part numbers included in the kit contents are internal part numbers only. Please refer to our Spare Parts Manuals for any kit part numbers.

Kit numbers		Compressor models
110069		VTT/VTX
QTY	Part(s) Description	Picture(s)
1	FEEDTHROUGH-BEARING SENSOR REAR	
4	WASHER, M5 SPLIT – 902488	
1	O-RING – Feedthrough – 920120	
1	O-RING – End Cap – 920382	
4	SCREW, M5 – 902480	

12	SCREW, M12 – 902522	
12	WASHER, M12 FLAT – 902122	
12	WASHER, M12 SPLIT – 902123	
1	LUBRICATION-SUPER-O-LUBE-2G	

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