



KIT STATOR TEMPERATURE SENSOR FEEDTHROUGH

110070.



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>
--	---	---	---

1 - Introduction

This kit contains the Stator Temperature 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. 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 Stator Temperature Sensor Feedthrough. Please refer to the Service Manual for the detailed steps.



2 - STATOR TEMPERATURE 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 Service Side Cover.
4. Disconnect the Stator Temperature Sensor Cable from CCM J12.
5. Remove the Stator Temperature Sensor Cable from feedthrough.
6. Remove the Service Electronics Assembly.
7. Remove the fasteners holding the Stator Temperature Sensor Feedthrough to the compressor housing.
8. Carefully remove the Stator Temperature Sensor Feedthrough from the compressor housing. Pull the internal connector through housing until it is exposed and then attach a clip or other device to assist holding the internal connector outside the housing.

NOTE: Do not over-extend the internal wire as damage could occur.

9. Disconnect the Stator Temperature Sensor Feed Through Wire from the internal connector.

3 - STATOR TEMPERATURE SENSOR FEEDTHROUGH Installation Instructions

1. Place new O-ring onto stator temperature sensor feed through.
2. Connect the Stator Temperature Sensor Feedthrough wire to the internal connector and install the feedthrough.
3. Install the Service Electronics Assembly.
4. Connect the Stator Temperature Sensor Feedthrough cable to CCM J12.
5. Leak test and evacuate compressor in accordance with standard industry practices.
6. Return the compressor to normal operation.
7. 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	
110070	VTT/VTX	
QTY	Part(s) Description	Picture(s)
1	CABLE - THERMAL SIGNAL	
4	SCREW, M5 – 902480	
12	SCREW, M12 – 902522	
12	WASHER, M12 FLAT – 902122	
12	WASHER, M12 SPLIT – 902123	
4	WASHER, M5 SPLIT – 902488	
1	O-RING – End Cap – 920382	
1	O-RING – Feedthrough – 920120	
1	LUBRICATION-SUPER-O-LUBE-2G	