




KIT BEARING SENSOR HERMETIC FEED THROUGH - 9 PIN

100295 & 100295-1.

 <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 turbocor.danfoss.com for detailed service instructions.</p>	<p>Never power compressor without covers in place and secured.</p> <p>Removing the mains input cover will expose you to a voltage hazard of up to 575V. Ensure the mains input power is off and locked out before removing cover.</p> <p>Before removing top cover, 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:

BEARING SENSOR HERMETIC FEED THROUGH - 9 PIN Removal and Installation Instructions.

This kit contains the Bearing Sensor Feedthrough, O-ring, and the associated hardware. Please refer to our Service Manual for details regarding the replacement of the feedthrough.

We have made the TTS/TGS/TTH/TGH 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.turbocor.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 TTS/TGS/TTH/TGH Service Manual.

English



Chinese



2 - BEARING SENSOR HERMETIC FEED THROUGH - 9 PIN Removal Instructions:

1. Isolate compressor power.
2. Isolate the compressor and recover the refrigerant according to industry standards.
3. Remove the Service Side Cover.
4. Remove the Serial Driver.



NOTE: Refer to the Service Manual for proper electrostatic discharge (ESD) handling of electronic components.

5. Remove the PWM.
6. Remove the Bearing Sensor Feedthrough.

3 - BEARING SENSOR HERMETIC FEED THROUGH - 9 PIN Installation Instructions:

1. Using a lint-free cloth, clean the mating surface on the compressor housing.
 2. Verify that the new O-rings and Bearing Sensor Feedthrough are clean. If not, wipe off any contaminants with a lint-free cloth.
 3. Apply O-lube on each of the new O-rings.
 4. Install the new O-rings onto the new Bearing Sensor Feedthrough.
 5. Install the new Bearing Sensor Feedthrough.
 6. Leak test and evacuate compressor in accordance with standard industry practices.
 7. Install the PWM.
 8. Install the BMCC.
 9. Install the Serial Driver.
 10. Install the Service Side Cover.
 11. Return the compressor to normal operation.
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4 - Kit Contents:

QTY	Part(s) Description	Picture(s)
1	HERMETIC FEED THROUGH – 9-PIN D-SUB	
4	SCREW, M5X16 SOCKET HEAD CAP	
2	O-RING	
1	LUBRICATION, SUPER-O-LUBE-2G	

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