


KIT O-RING TOUCHDOWN BEARING ASSY

110050.

 <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 DTC Service Manual on turbocor.danfoss.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:

The O-ring for the Touchdown Bearing Assembly prevents refrigerant pressure from bypassing the bearing assembly.

2 - Handling and Storage:

1. The O-ring for the Touchdown Bearing Assembly should be stored in the original packaging.
2. The O-ring should be kept free of debris and damage to ensure a leak-free seal during installation.

3 - Safety Notices:

- ⚠ Frequency converters contain dangerous voltages when connected to mains voltage. Do not disassemble when power is applied.
- ⚠ Isolation and recovery of refrigerant must be performed by a qualified service technician adhering to industry standards.

4 - Service Manual

Always refer to the VTT Service Manual for full detail on the removal and assembly steps.

5 - Leak Detection:

1. Leak test compressor to maximum 207psi (14.3bar, 1427kPa).
- ⚠ Do not use oxygen or dry air; this could cause fire or explosion.
- ⚠ Do not use leak detection dye in the refrigerant circuit.
2. If a leak is detected, repair leak and repeat leak detection.

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6 - Vacuum Dehydration:

1. Connect a Vacuum pump to the high and low pressure sides of the compressor.
 2. Evacuate compressor under a vacuum less than 500µm Hg (.67mbar).
 - ⚠ Do not connect Mega Ohmmeter while the compressor is under a vacuum; this may cause damage.
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7 - Filling (Charging) System:

1. Return the recovered refrigerant back to the system and open any previously closed isolation valves.
 - ⚠ Ensure no oil enters the system by using fresh recovery tanks and clean hoses.
 2. Ensure the charge is correct for the system application.
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8 - Maintenance:

1. Verify connections and fasteners are tight
 2. Test for leak around sealing surfaces.
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9 - Warranty:

1. This Danfoss Turbocor part is covered by the standard spare part warranty agreement.
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10 - Disposal:

1. Follow local regulations regarding waste disposal.
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11 - Kit Contents

Kit numbers	Compressor models	
110050	VTT	
QTY	Part(s) Description	Picture(s)
1	O-RING - #2-379	
1	LUBRICATION-SUPER-O-LUBE-2G	

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