



# KIT IGV HERMETIC FEEDTHROUGH - 4 PIN

100321 and 100321-1



**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 <a href="http://turbocor.danfoss.com">turbocor.danfoss.com</a> for detailed service instructions.</p>	<p><b>Never power compressor without covers in place and secured.</b></p> <p><b>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.</b></p> <p><b>Before removing top cover, 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>
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1 - Introduction:

IGV HERMETIC FEEDTHROUGH - 4 PIN replacement.

This kit contains the IGV Feedthrough. 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.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 TTS/TGS/TTH/TGH Service Manual.

**English**



**Chinese**



2 - IGV HERMETIC FEEDTHROUGH -4 PIN Removal Instructions:

1. Isolate compressor power.
2. Isolate the compressor and recover the refrigerant according to industry standards.
3. Remove the IGV Feedthrough.

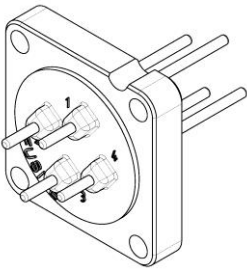



3 - IGV HERMETIC FEEDTHROUGH -4 PIN Installation Instructions:

1. If necessary, clean both mating surfaces with a lint-free cloth.
2. Lubricate the new O-ring.
3. Install the supplied O-ring into the groove of the supplied IGV feed through.
4. Install the new IGV Feedthrough.

**NOTE:** There are different styles of bearing power feed throughs. Older versions have a removable black neoprene gasket. This was later replaced on Major Revision "E" compressors with a non-removable red neoprene gasket.

5. Leak test and evacuate compressor in accordance with standard industry practices.
6. Return the compressor to normal operation.
7. Using the Service Monitoring Tool go to the Compressor Configurator, change the Control Mode to Manual Control Mode.
8. In the Compressor Monitor, type in 110% into the IGV Open Percentage. Verify the IGV responds by looking at the IGV Position Indicator. If IGV doesn't respond as expected, troubleshoot accordingly with the Service Manual.
9. Return the Control Mode to its previous setting.

4 - Kit Contents:

QTY	Part(s) Description	Picture(s)
1	HERMETIC FEEDTHROUGH - 4 PIN with O-RING	
4	SCREW M5X16 SOCKET HEAD CAP	
1	CLAMP	
1	LUBRICATION-SUPER "O" LUBE-2G	

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