




# KIT Inlet Guide Vane (IGV) MOTOR SERVICE

100035-1, 100035-2.

 <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 (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>

1 - Introduction:

IGV MOTOR SERVICE removal and installation instructions.

This kit contains the IGV Motor, O-rings, and applicable fasteners. Please refer to our Service Manual for details regarding the replacement of the IGV Motor.

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 MOTOR SERVICE Removal Instructions:



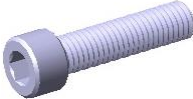




1. Isolate compressor power.
2. Isolate the compressor and recover the refrigerant according to industry standards.
3. Remove the IGV Housing Assembly.
4. Remove the IGV Feedthrough.
5. Remove the IGV Motor.








3 - IGV MOTOR SERVICE Installation Instructions:

1. Install the IGV Motor.
2. Install the IGV Feedthrough.
3. Install the new IGV Housing Assembly.
4. Leak test and evacuate compressor in accordance with standard industry practices.
5. Test run the compressor to verify proper operation and movement of the IGV assembly.
6. Return the compressor to normal operation.

4 - Kit Contents:

Kit numbers	Compressor models
100035-1	All TT and TG Models

QTY	Part(s) Description	Picture(s)
1	MOTOR ASSEMBLY - IGV 12VDC STEPPER	
1	SCREW M5X8 S/SET FLT POINT	
12	SCREW M10X40, SOCKET HEAD CAP	
2	SCREW M10X30, SOCKET HEAD CAP	
4	SCREW M5X16, SOCKET HEAD CAP	
14	WASHER M10, FLAT	
14	WASHER M10, SPLIT LOCK	

1	O-RING (IGV)	
1	O-RING (Suction)	
1	O-RING (Discharge)	
1	O-RING (Economizer) *For TT300/TG230 compressors only*	
1	O-RING (Economizer) *For all TT-TG compressors excluding TT300/TG230*	
1	O-RING (Feed Through)	
2	LUBRICATION-SUPER-O-LUBE-2G	

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