



# KIT IFV ACTUATOR

110072.



**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://turbocoroem.com">turbocoroem.com</a> for detailed service instructions.</p>	<p><b>Never power compressor without covers in place and secured.</b></p> <p><b>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.</b></p> <p><b>Before opening the drive panel, 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

This kit contains the IFV Actuator. 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](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 VTT/VTX Service Manual.

**English**



**Chinese**



2 - IFV ACTUATOR 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. Disconnect the Red (power) and Black (signal) cables from the IFV Valve.
3. Loosen the three (3) set screws that attach the IFV Actuator to the ICM Module.
4. Remove the IFV Actuator.

3 - IFV ACTUATOR Removal Instructions

1. Lubricate the ICM O-ring with the G4500 grease provided.
2. Place actuator on the ICM Module. Ensure the actuator is fully installed to the ICM.
3. Secure the IFV Actuator to the ICM Module.
4. Attach the Red (power) and Black (signal) cable to the actuator.
5. Return the compressor to normal operation.
6. Test run the compressor to verify proper operation.

4 - Programming (Mandatory)

1. Refer to the Service Manual for programming.

5 - Kit Contents

Kit numbers	Compressor models	
110072	VTT	
QTY	Part(s) Description	Picture(s)
	IFV ACTUATOR - ICAD1200A WITHOUT CABLE DANFOSS 027H9122	