



# KIT CAPACITOR COVER ASSEMBLY

100053- 3, 4, 6.



**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:

CAPACITOR COVER ASSEMBLY Removal and Installation Instructions.

**⚠ Note:** Care must be taken in removal and installation of the covers to prevent the screws from falling in to the power electronic compartment. Dropping cover screws can cause short circuit, energized components to explode, and damage to the power electronic parts of the compressor. Place the screws carefully after positioning the covers to minimize the risk of screws falling in to the power electronic areas.

## 2 - Suggested Tools:

The following tools are suggested:

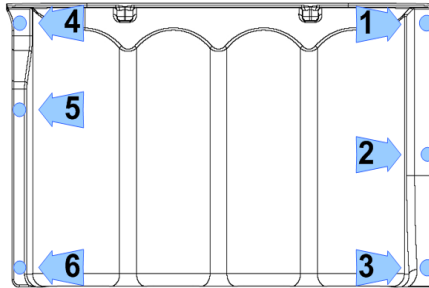
Philips/torx screwdriver

## 3 - Removal Instructions:

- You can change the capacitor cover with caution, without removing the top cover and mains input cover, in order to eliminate the risks of touching energized parts, and falling objects in to the power electronic compartment.
  1. Release the two (2) screws that secure the top cover and capacitor cover to each other.
  2. Release the six (6) screws that secure the capacitor cover. Lift away the cover.
  3. Remove the four (4) plastic nuts under the capacitor to mount the new capacitor relief membrane.

4 - Installation Instruction:

1. Install the mount the new capacitor relief membrane with the foil side up.
2. Reinstall the nylon nuts to the base of the DC capacitor assembly, under the main compressor housing and torque to 7 Nm (62 in.lb.).
3. Place the capacitor cover and secure it with the two (2) screws from the top cover.
4. Place the long screw (M5X20) and flat washer in position number three shown in the following figure.
5. Use the five remaining M5X15 screws to secure the cover. Fasten all six (6) screws according to the sequence below. Torque to 13 in.lb. on the second pass.



Kit Contents

QTY	Part(s) Description	Picture(s)
1	COVER - CAPACITOR ASSEMBLY, BLUE/BLACK/GREEN	
1	MEMBRANE - CAPACITOR RELIEF	
1	SCREW M5X20 TORX PAN HD	
1	WASHER M5 FLAT	
5	SCREW DOUBLE SEMS M5X15 TORX PAN HEAD	

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