



KIT CABLE HARNESS COMPRESSOR COOLING & COIL ASSEMBLY

100063-1



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

CABLE HARNESS COMPRESSOR COOLING & COIL ASSEMBLY Removal and Installation Instructions.

This kit contains the Motor Cooling and Coil Assembly Harness and the associated hardware. Please refer to our Service Manual for details regarding the replacement of the harness.

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.turbocor.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 - CABLE HARNESS COMPRESSOR COOLING & COIL ASSEMBLY Removal Instructions:




1. Isolate compressor power.
2. Remove the Service Side Cover.
3. Remove the Solenoid Retaining washer and nuts.
4. Remove the coils and keep them in a safe place. Remember the marks on the solenoid and plunger assembly in order to keep proper order in the assembly step.

3 - CABLE HARNESS COMPRESSOR COOLING & COIL ASSEMBLY Installation Instructions:

NOTE: Since the orientation of solenoids is important in the compressors other than the TT300 models, care must be taken when replacing them in order to prevent cooling system's malfunctioning.

1. Insert the solenoids into the plungers according to the color code or in some cases designated "R" / "L" for right / left. The coil assembly marked blue should be in the right side or alternatively locate the left and right coil assemblies according to their marks.
2. If there is no color code on the coil assembly, check the cables orientation on the J16 terminal on the Backplane for proper installation.
3. The solenoid assembly connected to the two lower cables on the J16 terminal must be mounted on the right-side valve.
4. Install the Solenoid Retaining washer and nuts.
5. Plug in the "J16" female terminal on the Backplane assembly.
6. Install the Service Side Cover.
7. Return the compressor to normal operation.

4 - Kit Contents:

QTY	Part(s) Description	Picture(s)
1	COOLING COIL HARNESS ASSEMBLIES	
2	NUT-SPECIAL-SOLENOID VALVE	
2	WASHER BEVELED DISC. SOLENOID VALVE Ø13.8xØ8.7x0.5	

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