



KIT MODULE - SOFT START

100020-1, 2, 3, & 4



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

MODULE - SOFT START Removal and installation.

2 - IMPORTANT NOTICE:

These components should only be replaced by technicians trained and competent in Danfoss Turbocor Compressor service techniques/procedures.

Danfoss Turbocor Compressor electrical isolation and ESD protection and personal grounding procedures must be followed. These procedures are found in Sections "Electrical Isolation of the Compressor" and "Handling Electronic Static Devices" of the Service Manual (M-SV-001).

⚠ Always wear appropriately rated safety equipment when working around equipment and/or components energized with high voltage. Faulty components can explode and cause serious injury or death.

3 - Replacement Procedure:

1. Isolate compressor power as described in Section "Electrical Isolation of the Compressor" of the Service Manual (M-SV-001).
2. Unplug all cable connectors from the Soft-Start Board.
3. Disconnect Soft-Start ground wire from the ground post.
4. Remove screws that secure the Soft-Start mounting bracket.
5. Remove Soft-Start module.
6. Peel the paper backing off the four (4) new phenolic washers and place them, adhesive-side down, on top of the compressor.
7. Position Soft-Start module over the mounting holes.

8. Insert and tighten screws to secure the mounting bracket.
9. Attach all cable connectors to the Soft-Start board.
10. Attach Soft-Start ground wire to the ground post on compressor housing.
11. Please refer to Figure 1 for a visual illustration on how to replace the Soft Start.

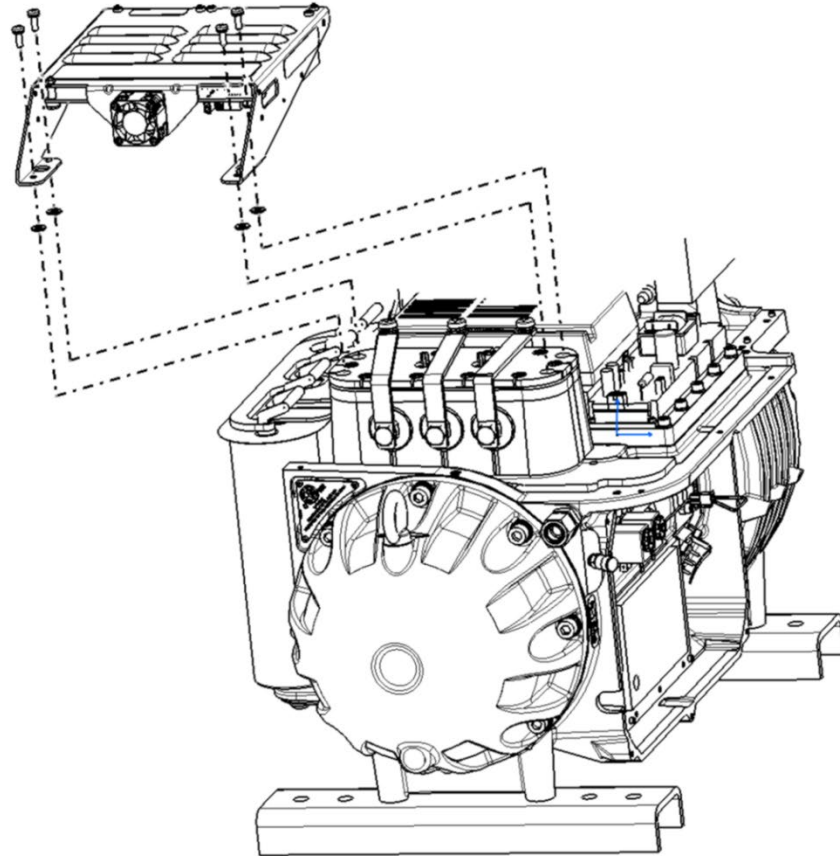
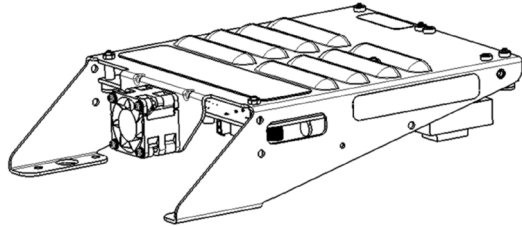




Figure 1 Soft Start Installation

Kit Contents

QTY	Part(s) Description	Picture(s)
1	MODULE - SOFT START	
4	SCREW M5X15 TORX PAN HEAD DBL SEMS	
4	PHENOLIC WASHER 1/4"IDx1/2"ODx1/16 WITH PSA-ADHESIVE ON 1 SIDE	



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