



KIT TOP COVER ASSEMBLY

100054-3, 4, 6, 7, & 8.



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>
--	---	---	---

1 - Introduction:

TOP 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:

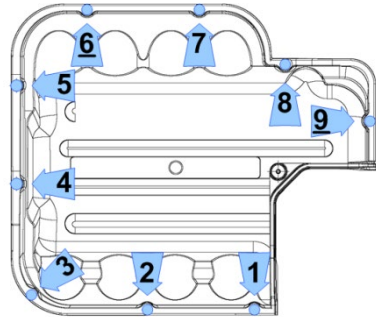
- Philips/torx screwdriver

3 - Removal Instructions:

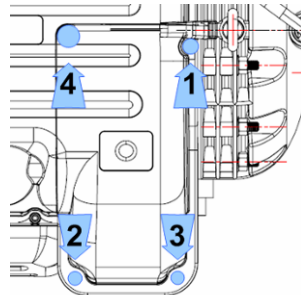
1. Remove the mains input cover by releasing the four (4) screws and lift away the cover.
2. Release the nine (9) screws that secure the top cover and lift away the cover.

4 - Installation Instruction:

1. Ensure that no residue remains on the contact surfaces of top cover and casting sides.
2. Place the top cover and secure it with the nine (9) M5x15 screws according to the following sequence. Follow the sequence twice. The first time, only fasten screws half way down to allow for adjustments. Torque to 13 in.lb. on the second pass.





3. Ensure that no residue remains on the contact surfaces of the mains input cover and casting sides.
4. Place the new mains input cover and secure it with the four (4) M5x15 screws. Tighten according to the following sequence.



5. Follow the sequence twice. The first time, only fasten screws to half way down to allow for adjustment. Torque to 13 in.lb. on the second pass. Fasten the # 4 screw only once and use caution as to not overtighten this screw.

5 - Kit Contents

Kit numbers	Compressor models
100054-3	KIT - COVER TOP ASSY (BLACK) EN/FR LABELS, AVAILABLE TO ALL OEMS
100054-4	KIT - COVER TOP ASSY (BLUE) DE LABELS, OEM SPECIFIC
100054-6	KIT - COVER TOP ASSY (GREEN) EN/FR LABELS
100054-7	KIT - COVER TOP ASSEMBLY (BLUE - MOLDED) EN/FR LABELS, OEM SPECIFIC
100054-8	KIT - COVER TOP ASSEMBLY (GREEN - MOLDED) DE LABELS, OEM SPECIFIC

QTY	Part(s) Description	Picture(s)
1	COVER - TOP ASSEMBLY, BLUE/BLACK/GREEN	
9	SCREW, DOUBLE SEMS M5X15 TORX PAN HEAD	

ENGINEERING
TOMORROW



All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.