

KIT COMPRESSOR INTERFACE CABLE HARNESS ASSEMBLY

100058-1, 2, 4.

<p>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>			
<p>Consult the appropriate Danfoss Turbocor Compressors Inc. (DTC) Service Manual on www.turbocoroem.com for detailed service instructions.</p>	<p>Never operate 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

COMPRESSOR INTERFACE CABLE HARNESS ASSEMBLY Removal and Installation - The interface cable connects the compressor to the compressor I/O board. I/O wiring specifications for this kit are shown in Figure 1.

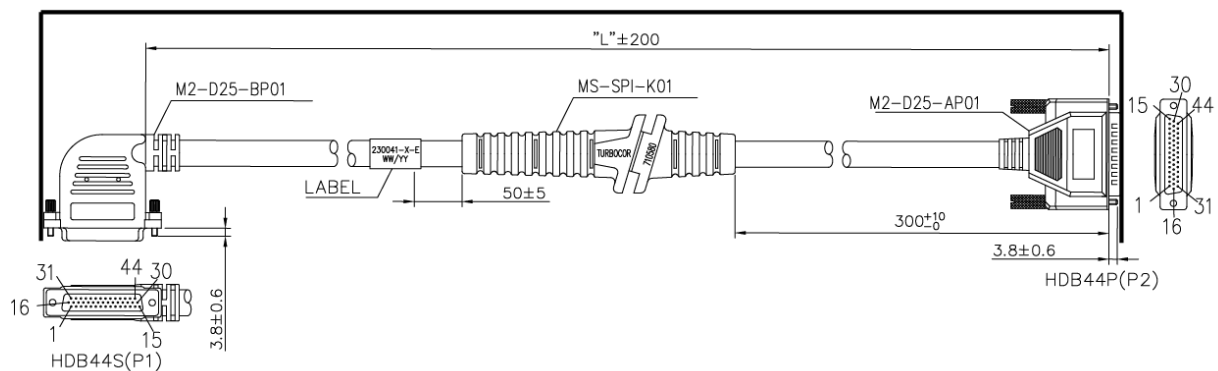


Figure 1 I/O Wiring Specifications

This kit contains the Compressor Interface Cable Harness. Please refer to our Service Manual for details regarding the replacement of the cable assembly.

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.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 TTS/TGS/TTH/TGH Service Manual.

English



Chinese



2 - Procedure to connect new cable:

- Incorrect wiring of the terminals can severely damage components.
1. Turn off the mains input power to the compressor.
 2. Wait for greenlight (D9) on the I/O board to turn off.
 3. Remove service side cover.
 4. Unscrew cable screws at connection points.
 5. Remove existing I/O cable from J6 on I/O board and J7 on backplane.
 6. Plug the new cable into connector J6 on the compressor I/O board and J7 on backplane. (Figure 2)

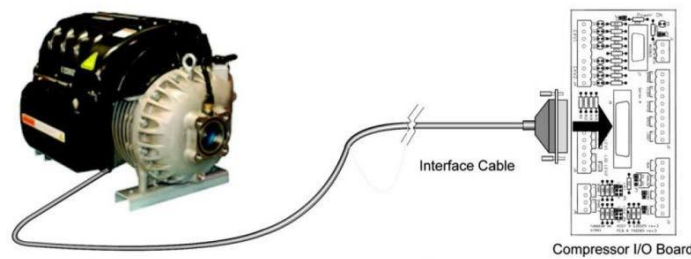


Figure 2 Compressor I/O Board Connections

- Note: The maximum values are the tested length of the cable. The compressor functionality has not been proven with cable length above maximum values specified here.

3 - Kit Contents

Kit numbers	Compressor models
100058-1	ALL FIE MODELS
100058-2	TT300 SIE
100058-4	ALL FIE MODELS

QTY	Part(s) Description	Picture(s)
1	Compressor Interface Cable Harness Assembly 100058-1, 100058-2: 5m 100058-4: 10m	

Danfoss can accept no responsibility for possible errors in catalogues, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without subsequential changes being necessary in specifications already agreed. 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.