

Customer Notification

B-CN-360-EN REV A

May 3, 2024

SUBJECT: TTS/TGS Series Cavity Temperature Sensor

Purpose

The purpose of this bulletin is to advise our customers that we have replaced our spare part instructions for the TTS/TGS Series Cavity Temperature Sensors. In our previous instructions, there was a special subset of instructions for an obsolete spare part kit. The replacement document, now called Spare Part Kit Information, will now include only safety information and kit contents. Additionally, we have removed any obsolete kits from this document. The Spare Part Kit Information document will continue to include the QR codes to access our service manuals. We strongly recommend referencing our Service Manual for any compressor repair as it contains all relevant safety information, as well as detailed specifications such as torque values and illustrations with the step-by-step instructions.

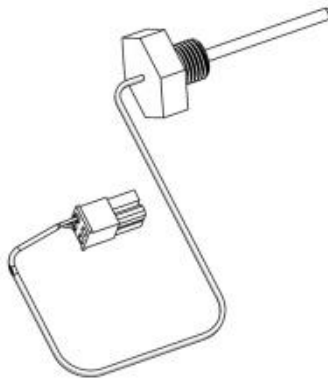


Figure 1 – Cavity Temperature Sensor

Action Required

Cavity Temperature Sensor Removal

1. Isolate compressor power.
2. Wait for the LEDs on the Backplane to turn off.
3. Isolate the compressor and recover the refrigerant according to industry standards.
4. Remove the Service Side Cover.
5. Verify the LEDs on the Backplane have turned off.
6. Remove the Serial Driver.
7. Remove the BMCC.
8. Remove the PWM.
9. Remove the Backplane.
10. Using a 15/16" wrench or slotted socket, remove the Cavity Temperature Sensor.

Cavity Temperature Sensor Installation

1. Clean the mating surface with a lint-free cloth. Inspect the sealing area for any damage.
2. Lubricate the O-ring and install onto the groove in the sensor head.

NOTE: Do not remove the protective sleeve from the temperature probe. This is applied to provide protection when inserting into the stator.

3. Insert the sensor and engage the first few threads by hand.
4. Tighten the sensor to 13 Nm (10 ft.lb.).
5. Leak test and evacuate in accordance with standard industry practices.
6. Install the Backplane.
7. Install the PWM.
8. Install the BMCC.
9. Install the Serial Driver.
10. Install the Service Side Cover.
11. Return the compressor to normal operation.
12. Check for proper cavity temperature indication.

Need Assistance

For further questions, please contact your Key Account Manager or our Product Support group at turbocor.ps.na@danfoss.com or turbocor.ps.eu@danfoss.com for inquiries within Europe.

Classified as Business

Danfoss LLC • 1769 E Paul Dirac Drive • Tallahassee, FL 32310 USA • turbocor.ps.na@danfoss.com • <http://turbocor.danfoss.com> • Phone +1 850 504 4800

Danfoss LLC can accept no responsibility for possible errors in catalogues, brochures, and other printed material. Danfoss LLC reserves the right to alter its product without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential 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.