

Bulletin | Danfoss Turbocor Compressors

# Customer Notification

B-CN-422-EN REV A

January 21, 2026

**SUBJECT: Major Revision "J" Introduction**

## Purpose

---

This is to inform our customers that all TTS/TGS/TTH/TGH series compressors produced in our Tallahassee, Haiyan, and Nordborg factories will transition to a **new Major Revision Level**.

**The new Major Revision will be "J" for all TTS/TGS/TTH/TGH compressors.** The Major Revision "J" Compressors introduce several changes to accommodate new features and increase model flexibility. This release is currently scheduled for **Q3 2026 in the Tallahassee factory** and for **Q4 2026 in the Haiyan factory**.

## Summary

---

In Q3 2026, **new compressors produced by Danfoss Turbocor** will **transition from Major Revision "H" to Major Revision "J"**. All new Major Revision "J" compressors will be released using current production software. Additionally, a new firmware version, 4.5.0, will be available for select models.

This Major Revision change is required because some of these improvements are not backwards compatible with existing "H" revision compressors. When the factories switch to Major Revision "J" compressor models, Major Revision "H" compressors will no longer be available for purchase as new compressors. Spare parts required to support revision "H" and earlier compressors will continue to be available. Certified Rebuilt and Fixed Price Repair options will continue to be supported for Major Revision "H" and earlier compressors.

The change in Major Revision is associated with multiple new configurable options, such as integrated input power fuses and Active Cooling. The scope of changes is outlined below, and the exact timing and coordination is subject to change. Further updates regarding launch timing will be communicated nearer to the release of Major Revision "J".

Customers will have the opportunity to request Production Part Approval Process (PPAP) information up to and including ordering of Major Revision "J" beta compressors. All PPAP requests must be submitted in accordance with the timelines specified in this bulletin.

## Production Part Approval Process (PPAP)

---

Customers may request Major Revision "J" PPAP documentation from their Key Account Manager. Major Revision "J" samples will be available for order at standard compressor pricing. Customers must inform their Key Account Manager of the quantity and specific configuration of any compressor samples which will be requested during the PPAP period.

### Tallahassee and Haiyan Factories

Implementation of Major Revision "J" is planned in the Tallahassee factory in Q3 2026. Implementation of Major Revision "J" in the Haiyan factory is planned for Q4 2026, following the factory relocation. However, Major Revision "J" compressor samples will be available from the Haiyan factory prior to the relocation, allowing customers sufficient time for sample approval.

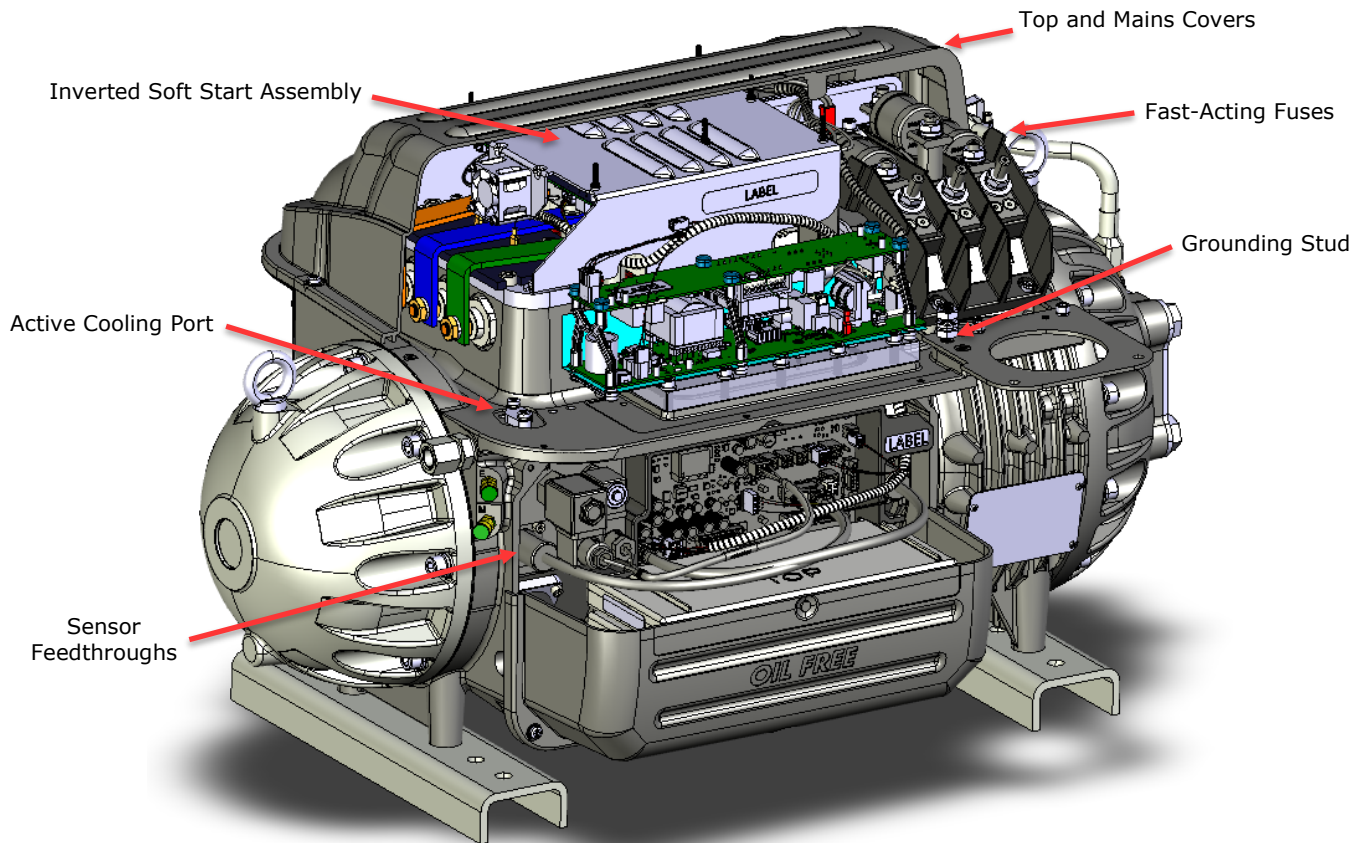
### Nordborg Factory

Nordborg offers configuration of compressors using both Tallahassee (TLH) and Haiyan (HYN) cores. Due to the difference in implementation timing between the Tallahassee and Haiyan factories, PPAP and implementation timing depends on the core selected: TLH or HYN.

## Action Required

---

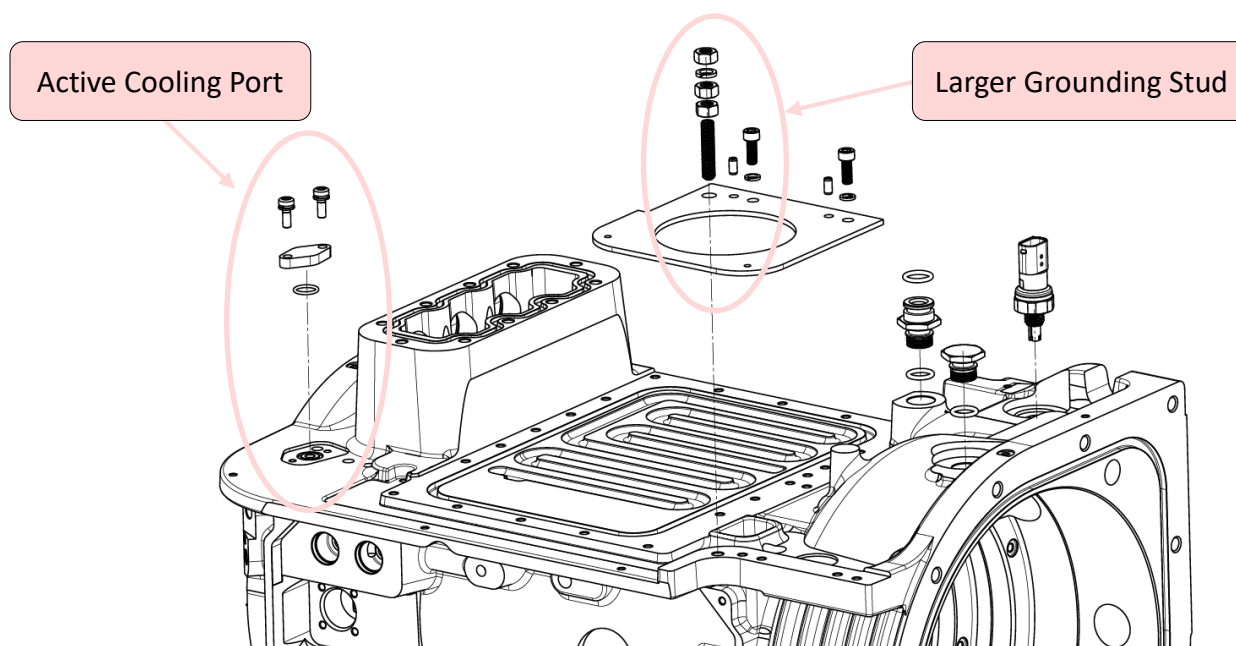
Customers must inform their Key Account Manager of any PPAP compressor samples required as soon as possible. **Purchase Orders for compressor PPAP samples must be submitted no later than March 13<sup>th</sup>, 2026.** This requirement applies to all three factories due to the coordination described above.

**Key Changes: Major Revision "J"****Figure 1 – Major Revision "J" Key Changes**

## Main Housing

The main housings of Major Revision "J" compressors have been updated to be forwards compatible with Active Cooling, enabling support for future models to incorporate Active Cooling functionality.

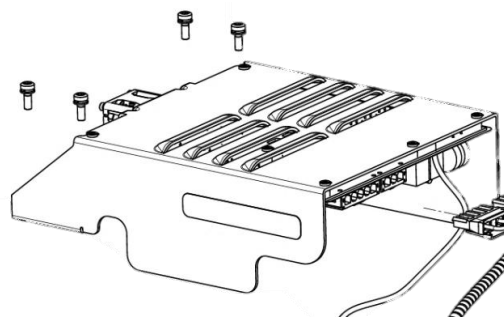
The grounding stud size has been increased for Major Revision "J" compressors. **The new Mains Plates associated with this grounding stud change are not backwards compatible with earlier major revisions.** Mains Plates spare parts for earlier Major Revision compressors will continue to be available.



**Figure 2 – Main Housing Changes**

### Soft Start Assembly

The new Soft Start Assembly features a new bracket design to reposition the Soft Start and optimize air distribution. The new assembly also utilizes a 24V fan for increased air flow. The preventative maintenance interval for the new fan is every five years, which is the same as the previous 12V fan. **The new fan is available for purchase as a spare part kit and is not backwards compatible with earlier board designs.** The previous 12V fan kit will continue to be available for service.



**Figure 3 – Inverted Soft Start**

**The new Soft Start as a complete assembly is backwards compatible with many earlier Major Revision compressors.** As a result, the earlier Soft Start Assembly spare part kits will be phased out and superseded by new kits utilizing the new Soft Start Assembly. The impacted kits will remain available while supplies last.

### Motor Cooling Valves

As the Active Cooling option becomes available for additional models, some models will begin to utilize larger solenoid valves for motor and/or electronics cooling. The TTH375/TGH285 will utilize a larger solenoid valve for electronics cooling, in addition to the existing larger valve for motor cooling. The TTS350/TGS310 will now transition to larger solenoid valve for motor cooling, while the electronics cooling valve will remain unchanged.

### DC Capacitor Assemblies

Active Cooling introduced updated geometry for the Bridge Bus Bar on the DC Capacitor Bus Bar Assemblies to improve thermal performance. All Major Revision “J” compressors will utilize this new geometry. **The new design is backwards compatible.** Existing bus bar assemblies will be phased out and superseded by new assemblies using the new design.

### SCR Cooling Manifold

Active Cooling also introduced a new SCR Cooling Manifold to increase refrigerant flow through the Electronics Cooling Circuit. This new design will be implemented for all High-Temperature Applications, Major Revision “J” compressors. Similar to the previous improvements, the new aftermarket kits will supersede the existing ones, and the existing kits will become obsolete after supplies are exhausted.

### Integrated Fast-Acting Fuses

All Major Revision “J” compressors will be available with Fast-Acting Fuses integrated in the terminal block. Compressors without this option will continue to be available for customers who wish to continue installing fast-acting fuses separately during installation.

The new Fast-Acting Fuse assembly is backwards compatible and will be available for aftermarket installation via two kit options: a complete kit including the terminal block and fuses, or a fuses-only kit. Additionally, new spare part kits for bus bars and fasteners will be available.

### Top and Mains Covers

The thickness of the Top and Mains Covers will be increased by 2 mm, resulting in a corresponding increase of compressor height by 2 mm. This change enhances the durability of the covers.

New Top and Mains Cover kits will be made available for service needs.

### Bearing Sensor Feedthroughs

The Bearing Sensor Feedthroughs have been upgraded to a simplified, integrated cable-and-feedthrough design. The Backplane-side connector has been upgraded to a DB9-style connector, and the Backplane has been upgraded to mate with this new connector style. **As such, the new feedthroughs and Backplane are not backwards compatible with earlier designs unless replaced together.**

New spare part kits will be available for the updated Backplane, feedthroughs, and harness. Existing Backplane and Bearing Sensor Cable Harnesses will continue to be available as field replacement kits.

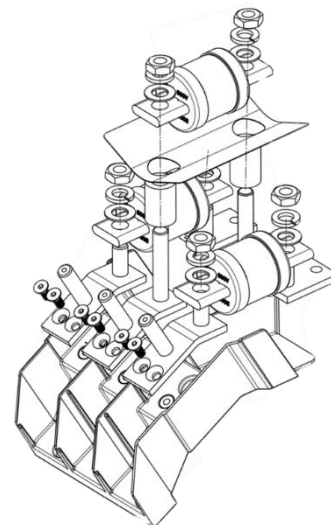


Figure 4 – Fast-Acting Fuses

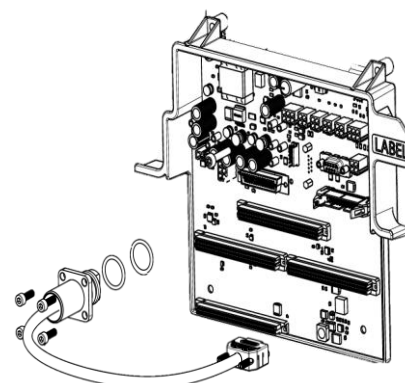


Figure 5 – New Feedthroughs & Backplane

### **BMCC Firmware Version 4.5.0**

Firmware version 4.5.0 will be released with Major Revision "J" and features improved resiliency to input power disturbances. This firmware will be available for the following models: TTS350/TGS310, TTS450/TGS380, and TTH375/TGH285. The existing firmware options will remain available for order.

### **Action Required**

---

In Q3 2026, the TT/TG series compressors will transition to Major Revision "J". The launch timing will vary by factory. When a factory transitions to Major Revision "J", new Major Revision "H" compressors will no longer be available from that factory. Customers will need to update their ERP systems to use the new Major Revision "J" compressor part numbers.

Customers may request Production Part Approval Process (PPAP) documentation by contacting their Key Account Manager, who will organize this information. **Purchase Orders for compressor PPAP samples must be submitted no later than March 13<sup>th</sup>, 2026.**

For more information, please contact your Key Account Manager or our Product Support group at [turbocor.ps.na@danfoss.com](mailto:turbocor.ps.na@danfoss.com) or [turbocor.ps.eu@danfoss.com](mailto:turbocor.ps.eu@danfoss.com) for inquiries within Europe.