

Date: March 11, 2025

Subject: TriPac 3 Unit Inspection, Update, and 5.0.7 Software

Location: e-Tech Library

Units: All TriPac 3 units built before December 2, 2024.

Description: To improve product quality and long-term unit reliability, Thermo King has identified multiple items on the TriPac 3 unit that must be inspected and/or updated to maximize unit potential and customer satisfaction.

These updates may have been covered in previously released Service Bulletins. This new Campaign Bulletin (CB776) combines the bulletins into one campaign verifying **ALL** updates are inspected and completed.

IMPORTANT: **Verify OPEN Campaigns in TAVANT FIRST!**

Log in to the TAVANT warranty system and search the unit serial number. Scroll down to the "FIELD MODIFICATION" section. Identify ALL open campaign bulletins that need to be completed. Below is an example of an open campaign bulletin (CB772). These PENDING / OPEN campaigns **MUST** be completed and filed separately from this new campaign CB776.

FIELD MODIFICATION					
Field Modification Code	Class	Start Date	End Date	Description	Status
772B	VENDOR	05/14/2024	11/14/2025	TriPac 3 - Inspect for current bolt length and replace. Unit should have at a minimum 2 threads exposed beyond the nut. Replace bolt with correct 7.5" bolt and new nyloc nut.	PENDING
772A	VENDOR	05/14/2024	11/14/2025	TriPac 3 Inspect mounting bolts for correct length Minimum of 2 threads exposed beyond the nut. Bolt length should be 7.5".	PENDING

TAVANT will only show the applicable PENDING / OPEN campaigns in the Field Modification area for the serial number searched. CB776A, CB776B, CB776C, CB776D, or CB776E will also be in this list automatically, depending on the unit build date and TKV5 status.

IMPORTANT: It is highly recommended to install the TKV5 Telematics system on all TriPac 3 equipped vehicles for the ease of future FLOTA software updates. Some fleets may have preferences on where to mount the TKV5 module, see service bulletin [SB959 TriPac 3 TKV5 Telematics Fleet Specific Installation Preferences for CB776](#).

IMPORTANT: WinTrac 6 must be updated to version 6.12.0.21 before [SB945 \(TriPac 3 Software Update 5.0.7\)](#) can be completed. See Service Bulletin [SB960](#) for information and Wintrac update instructions. Previous versions of WinTrac must be uninstalled from your PC before 6.12.0.21 can be installed.

Bulletins / Updates to Perform:

Bulletin Option	Unit Build Dates	TKV5 Telematics Status
CB776A	Units built before Nov.10, 2023	Unit Has TKV5 Telematics Installed
CB776B	Units built Nov. 10, 2023, through Sept. 3, 2024	Unit Has TKV5 Telematics Installed
CB776C	Units built before Nov.10, 2023	Unit Needs TKV5 Telematics Installed
CB776D	Units built Nov. 10, 2023, through Sept. 3, 2024	Unit Needs TKV5 Telematics Installed
CB776E	Units built on Sept. 4, 2024, through Dec. 2, 2024	Unit Shipped with TKV5 Telematics – Must be Installed

Campaign Option	Parts Kits (See Page 3 for Parts Info)	SB935	SB936	SB938	SB940	SB941	SB945	SB954	Install TKV5 Telematics
CB776A	047360	-	X	X	X	X	X	X	NO Telematics Already Installed
CB776B	047359	X	-	X	X	-	X	X	NO Telematics Already Installed
CB776C	047360 + 057023	-	X	X	X	X	X	X	YES Telematics Needs to be Installed
CB776D	047359 + 057023	X	-	X	X	-	X	X	YES Telematics Needs to be Installed
CB776E	Campaign Completion Label 941355	-	-	-	-	-	X	X	Units Shipped with Telematics – Must be Installed

SB935 - Inspect / Tighten ATD Heater Relay Connections (ATD Units Only, Alarm Codes 369 and 371)

SB936 - Install Ground Plate (Electrical Behavior, No Start, Alarm Codes 63, 68, and 288)

SB938 - Inspect / Repair Fan, HPCO, and MAC Wiring Harness (Alarm Code 10, High Discharge Pressure)

SB940 - Inspect / Correct RIO and MAC Fuse Holder Hardware Stack-Up

SB941 - Inspect / Install Alternator Jumper Harness (Voltage Regulator Wires)

SB945 - TriPac 3 Software Release 5.0.7

SB954 - Engine RPM Adjustment

Labor Time:	CB776A	1.75 Hours
	CB776B	1.75 Hours
	CB776C	2.50 Hours*
	CB776D	2.50 Hours*
	CB776E	0.75 Hours

*TKV5 Installation labor time is for interior cab mounting

Length of Program: December 2, 2024, to June 30, 2026 (18 months)

Campaign Manual / Instructions:

The [TriPac 3 Unit Update CB776 Campaign Manual TK 57477](#) is located in e-Tech Library.

Parts Kits Needed:

CB776A: Order Kit 047360		
Kit 047360 Contains:		
Part Numbers	Quantity	Description
426445	1	Ground Stud Bracket
426512	1	Alternator Jumper Harness
420516	2	Connector Splice (butt splice connector)
920846	2	Heat Shrink for Butt Splice 420516
941355	1	Campaign Completion Label

CB776B: Order Kit 047359		
Kit 047359 Contains:		
Part Numbers	Quantity	Description
420516	2	Connector Splice (butt splice connector)
920846	2	Heat Shrink for Butt Splice 420516
941355	1	Campaign Completion Label

CB776C: Order Kits 047360 + 057023		
Kit 047360 + 057023 Contains:		
Part Numbers	Quantity	Description
426445	1	Ground Stud Bracket
426512	1	Alternator Jumper Harness
420516	2	Connector Splice (butt splice connector)
920846	2	Heat Shrink for Butt Splice 420516
941355	1	Campaign Completion Label
401828	1	TriPac 3 TKV5 Telematics Kit

CB776D: Order Kits 047359 + 057023		
Kit 047359 + 057023 Contains:		
Part Numbers	Quantity	Description
420516	2	Connector Splice (butt splice connector)
920846	2	Heat Shrink for Butt Splice 420516
941355	1	Campaign Completion Label
401828	1	TriPac 3 TKV5 Telematics Kit

CB776E: Order Campaign Completion Label 941355, No Kit		
Part Number	Quantity	Description
941355	1	Campaign Completion Label
- These units shipped with TKV5 Telematics which must be installed during unit installation. - CB776E is software update, RPM adjustment, and installation of the campaign completion label.		

Shop Supplies / Auto-shipped Parts		
Part Numbers	Quantity	Description
2030524	As Needed	Super Lube Grease (3.0 Oz.), Order as needed.
Auto-shipped	1 Qt.	Glyptal® 1201B Insulating Enamel (see note below)

NOTE: 1qt. of Glyptal® 1201B is being automatically sent to each APU dealer beginning December 5, 2024. If Additional Glyptal® 1201B is needed, see page 5 for Vallen information.

Glyptal® 1201B SDS Information [HERE](#) under the “G” selection.

“If Needed” Parts for CB776:

IMPORTANT: These parts MAY OR MAY NOT be needed dependent on inspection.

- Units Within Warranty Coverage Period: If these parts are needed, place a separate warranty machine claim for parts and labor. These are not covered under the CB776 campaign.

- Units Out of Warranty Coverage Period: If these parts are needed, to get parts and labor claim authorization contact Thermo King Claims Management Team at tkwarranty@thermoking.com or (866) 247-2990 to start a SMR (Service Manager Review) claim.

Description	Part Number	Comment
Cable Ties	Commercially Available	Used for securing wire harnesses, if needed.
Electrical Solder	Commercially Available	Used for soldering electrical butt splice connectors
Weather Pack Connector Parts	Available Through TK	445836 TERMINAL - male (16-14 ga, Qty 2) 445835 CONNECTOR - shroud (2-pin, Qty 1) 445885 SEAL - cable (green, 18-22 gauge, Qty 4) 445839 TERMINAL - female (16-14 ga, Qty 2) 445838 CONNECTOR - tower (2-pin Qty 1)
Molex Connector Parts	Available Through TK	425803 CONNECTOR - female (2 pin, Qty 1) 424680 TERMINAL (16-14 awg, Qty 2) 423415 CONNECTOR - male (2pin, Qty 1) 23422 TERMINAL - blade (20-16 awg, Qty 2)
Harnesses and Other Parts	Available Through TK	See the TriPac 3 Electronic Parts Catalog (EPC) for a complete list of harnesses and other parts, if needed.

Tools Needed:

Tool Description	Tool Part Number	Comment
Torque Wrench	Commercially Available	Inch-Pound Capable
WinTrac, Software, and Associated Cables	-	See Service Bulletin SB945 and Service Procedure A46A in the Campaign or Diagnostic Manual for WinTrac and cable info.
Small Paint Brush	Commercially Available	Small Paint Brush for Applying Glyptal® 1201B Insulating Enamel
Delphi / APTIV Crimper	12085271 Commercially Available	For butt splice P/N 420516, use slot D. See SB938 Tool Example Link: Delphi / APTIV Crimper

NOTE: Tools needed for completion of CB776 are not covered by Thermo King warranty.

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Description	Part Number	Comment
Molex Crimper (Tool)	64016-0133 Commercially Available	If needed, dependent on inspection. For Harness Connector / Pin Repair. See SB938 Tool Example Link: Molex Crimper
Weather Pack Crimper (Tool)	12014254 Commercially Available	If needed, dependent on inspection. For Harness Connector / Pin Repair. See SB938 Tool Example Link: Weather Pack Crimper

NOTE: Tools needed for completion of CB776 are not covered by Thermo King warranty.

Additional Glyptal® 1201B can be sourced through Vallen:

Description:	Thermo King has identified a standard assortment of tools / equipment that will be required to support the Electrification Initiative. Thermo King has partnered with Vallen to create an electronic catalog of these items so that all TK Dealers will be able to effectively purchase these items.
How to Get Started:	All TK Dealers will need to set up a commercial account with Vallen. Complete Commercial Credit Requisition and send to Bryan Lewis. Vallen team will then create an established account and verify with end users when that process is complete.
How to Order:	Once an account is established, users will be able to self-register at this URL: https://vallen.com/create-account The Vallen website is www.vallen.com . The link provided below will take you to a video that will demonstrate how to search and filter Items, add to cart, check out, and access my account page and how to create a shopping list. https://www.vallen.com/w/helpvideos TK Dealers can also deal directly with the assigned Customer Service Representative if they prefer. This communication can be via phone call or email.
CSR Contact Information:	Bryan Lewis (P): 704-398-5784 (E-Mail): Bryan.Lewis@vallen.com

CB776 Filing Instructions

1. Log in to **TAVANT**.
2. Click on “**Create Claim**” link on the home page.
3. Select claim type “**Field Modification.**”
4. Select the campaign option **FM776A**, **FN776B**, **FN776C**, **FN776D**, or **FN776E** depending on unit build date and TKV5 status as shown in the TAVANT options according to the unit serial number.
5. Enter the remaining information on page one, then click the continue button to move to page two:
 - a. Repair date
 - b. Work order
 - c. Number of hours in service
6. The labor section will be completed automatically.
7. The parts section will be completed automatically.
8. Non-Thermo King TSA Parts section will be completed automatically.
9. Enter comments as needed; “**Condition Found**” and “**Work Performed**” for example.
10. Validate and claim information looks correct on the claim summary.

Click the “**Submit**” button to send the claim for warranty processing.

Important TriPac 3 (ATD Units Only) Software Update Information

APU Software Reprogramming Procedures for Exhaust Pressure Sensor

This information only applies to TriPac 3 units equipped with the ATD system if built before September 24, 2024.

Verify unit build date in TAVANT to verify if this information applies:

First Affected Unit: Unit SN HTG1397348 Build Date: Nov. 13, 2023 Engine SN: GN6286

Last Affected Unit: Unit SN HTG1431506 Build Date: Sept. 23, 2024 Engine SN: GP9231

Thermo King and Yanmar have determined that your engine may be emitting pollutants in excess of California and federal emission standards as defined in Title 40 of the Code of Federal Regulations. These emission standards were established to protect the public health or welfare from air pollution.

The original exhaust pressure sensor transfer function in TriPac 3 units with the Aftertreatment Device (ATD) could potentially exceed engine power allowance. Field analysis shows no emission limits were exceeded. Only in extreme cases could multiple factors potentially cause emissions to exceed limits. The latest software revision with this campaign resolves this issue and ensures emission compliance. TriPac 3 units equipped with ATD manufactured prior to September 24, 2024, must have the software upgraded to the latest version. Campaign bulletin CB776 includes the latest software version and additional product enhancements.

The software update is carried out free of charge for the customer from December 2nd 2024 to June 30th 2026. The update takes 1 hour to complete and can be done at your local dealer or over the air.

If not updated, your TriPac 3 unit with the ATD system may fail an emission inspection test if state or local law requires one.

To ensure your full protection under the emission warranty and your right to participate in future campaigns, we recommend you have your unit serviced as soon as possible. We may consider not servicing it to be improper maintenance.

If you have any questions regarding the repair or you no longer own the equipment, please contact Thermo King at 1-866-776-2708 or provide your name and address of the new owner on the enclosed self-addressed card and return it to Thermo King.

Campaign Bulletin CB776 Procedure:

1. Schedule the unit for service at a Thermo King APU dealership.
2. Check unit and engine serial numbers in TAVANT.
3. Perform CB776 and upgrade the latest software version as detailed in the [A46A - Flashload Controller Software Procedure](#).
4. Use a permanent marker and write the servicing dealer name on the line provided on the Campaign #: CB776 label.
5. Open the front access door of the TriPac 3 unit. Clean and apply the Campaign #: CB776 label to the TriPac 3 frame where shown below.
6. Close the front access door.
7. File warranty claim using TAVANT.

Campaign Label Application

