

27-012: Eaton Endurant HD and XD Transmission Air Supply Pressure Sensor Software Update

5/26/2026

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27-012

Subject

Eaton Endurant HD and XD Transmission Air Supply Pressure Sensor (TASPS) Software Update

Whats New Abstract

A Transmission Control Module (TCM) software update is now available for certain T680, T880, and W990 chassis with Eaton Endurant transmissions, TCM software version R5.5 or later and an AT5 controller, where the TASPS fails.

Please see the Eaton bulletin **TAIB-1015** in the Attachments section for details.

Condition

TCM software version R6.3.1 is now available. If the TASPS fails, the transmission service light will illuminate, fault code 215, SPN 37, and FMI 0, 1, 2, 10, 18, and 21 will be recorded.

Fault Code	SPN	Description	FMI
215	37	Transmission Air Supply Pressure Sensor	0, 1, 2, 10, 18, 21

 **NOTE**

This service bulletin only applies to the Fault Code, Suspect Parameter Number (SPN) and Failure Mode Identifier (FMI)s indicated above.

Please see the attached Eaton bulletin **TAIB-1015** in the Attachment section of this bulletin for complete details.

Chassis Affected

Vehicle model year 2025-2026 T680, T880, and W900 manufactured between 05/31/2024 and 06/30/2025 equipped with an Eaton Endurant HD or XD transmission, R5.5 or later TCM software

version, and an AT5 controller

Action

Fix-as-Fail

If a customer comes into your dealership with the transmission service lamp illuminated, fault code 215, SPN 37, and FMI 0, 1, 2, 10, 18, and 21 logged, and has a software version prior to R6.3.1, proceed with the new software update.

Please see the Eaton bulletin **TAIB-1015** in the Attachments section of this bulletin for complete details.

Warranty

Starting from **05/26/2026**, through Standard Warranty or any active applicable Supplier Extended (Supplier Pass through) Warranty, Kenworth will pay for labor to update the software:

- **1.8 hours** labor to update the software. Select Recommended Repair Code **27-012**.
- File an additional claim for extraordinary circumstances. A Recommended Repair for standard labor must be filed first.
- Cross-division repairs are not allowed.
- File the claim within 14 days in accordance with the Warranty Policy.

PRWS CLAIM CODING			
Campaign Code	27-012	Campaign Type	Field Repair
Claim Category	Truck	Repair Type	Fix-As-Fail
Customer Concern Code	120 - Will Not Engage/Disengage	Causal Code	95 - Requires Program Update
Corrective Action Code	23 - Program / Reprogram/Reflash	Responsibility Code	CAMPSUPP
Failure Location	026-015-021 - Software - ECU Module, Automated Transmission	Causal Part	10005053 (SENSOR, AIR PRESSURE)
Supplier Code	21888AB	SRT Code	B26-07A 1.8 hours Eaton Endurant HD and XD software update. Diagnostics, software update, and road test per bulletin procedure

Procedure



WARNING!

Repair or maintenance procedures may pose a safety risk in limited circumstances. You must read all procedure steps before performing any work and follow all dealership safety procedures or precautions. Failure to comply may result in death, personal injury, equipment damage, or property damage.

Please see the Attachments section below for procedures to update the TCM software to R6.1.3 or higher.

Attachments

[Eaton TAIB-1015](#)

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27-012

Subject

Eaton Endurant HD and XD Transmission Air Supply Pressure Sensor (TASPS) Software Update

Whats New Abstract

A Transmission Control Module (TCM) software update is now available for certain Model 567, 579, and 589 chassis with Eaton Endurant transmissions, TCM software version R5.5 or later and an AT5 controller, where the TASPS fails.

Please see the Eaton bulletin **TAIB-1015** in the Attachments section for details.

Condition

TCM software version R6.3.1 is now available. If the TASPS fails, the transmission service light will illuminate, fault code 215, SPN 37, and FMI 0, 1, 2, 10, 18, and 21 will be recorded.

Fault Code	SPN	Description	FMI
215	37	Transmission Air Supply Pressure Sensor	0, 1, 2, 10, 18, 21

 **NOTE**

This service bulletin only applies to the Fault Code, Suspect Parameter Number (SPN) and Failure Mode Identifier (FMI)s indicated above.

Please see the attached Eaton bulletin **TAIB-1015** in the Attachment section of this bulletin for complete details.

Chassis Affected

Vehicle model year 2025-2026 Model 567, 579, and 589 manufactured between 05/28/2024 and 06/30/2025 equipped with an Eaton Endurant HD or XD transmission, R5.5 or later TCM software

version, and an AT5 controller

Action

Fix-as-Fail

If a customer comes into your dealership with the transmission service lamp illuminated, fault code 215, SPN 37, and FMI 0, 1, 2, 10, 18, and 21 logged, and has a software version prior to R6.3.1, proceed with the new software update.

Please see the Eaton bulletin **TAIB-1015** in the Attachments section of this bulletin for complete details.

Warranty

Starting from **05/26/2026**, through Standard Warranty or any active applicable Supplier Extended (Supplier Pass through) Warranty, Peterbilt will pay for labor to update the software:

- **1.8 hours** labor to update the software. Select Recommended Repair Code **27-012**.
- File an additional claim for extraordinary circumstances. A Recommended Repair for standard

labor must be filed first.

- Cross-division repairs are not allowed.
- File the claim within 14 days in accordance with the Warranty Policy.

PRWS CLAIM CODING			
Campaign Code	27-012	Campaign Type	Field Repair
Claim Category	Truck	Repair Type	Fix-As-Fail
Customer Concern Code	120 - Will Not Engage/Disengage	Causal Code	95 - Requires Program Update
Corrective Action Code	23 - Program / Reprogram/Reflash	Responsibility Code	CAMPSUPP
Failure Location	026-015-021 - Software - ECU Module, Automated Transmission	Causal Part	10005053 (SENSOR, AIR PRESSURE)
Supplier Code	21888AB	SRT Code	B26-07A 1.8 hours Eaton Endurant HD and XD software update. Diagnostics, software update, and road test per bulletin procedure

Procedure



WARNING!

Repair or maintenance procedures may pose a safety risk in limited circumstances. You must read all procedure steps before performing any work and follow all dealership safety procedures or precautions. Failure to comply may result in death, personal injury, equipment damage, or property damage.

Please see the Attachments section below for procedures to update the TCM software to R6.1.3 or

higher.

Attachments

[Eaton TAIB-1015](#)