

FS016: Eaton Endurant MTM Loose Rail Cap Screws

11/14/2025

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FS016

Eaton Endurant MTM Loose Rail Cap Screws

Section

Transmission - 26

Subject

Eaton Endurant MTM Loose Rail Cap Screws

Revision

01/28/2026: The chassis list was updated to indicate T680 or T680 Next Gen. SRT codes B25-29A and B25-29B apply to all T680 chassis.

Condition

Certain chassis equipped with an Eaton Endurant 12-speed transmission have Mechatronic Transmission Module (MTM) rail cylinder cap screws that could become loose. This may cause the transmission not to shift and the transmission service lamp to illuminate.

The repair procedure is now available.

Chassis Affected

495 US vehicle model year 2022–2023 T680 / T680 Next Gen / W990 manufactured between 05/11/2021 and 06/28/2022 equipped with an Eaton Endurant 12-speed transmission that has an MTM serial number in which the five bolded digits are sequentially less than 22342 (12S**22342**145012)

Action

Campaign

Service all affected chassis that enter your dealership, even if the customer has no issue with the chassis.

1. In Service Management, select campaign **FS016** to add it to the case. If the unit is released back into service without performing the repair, make sure to also release the campaign in Service

Management.

2. If you are not using Service Management to start repair orders, review SIR for “Complete” next to the **FS016** campaign code prior to performing this repair.
3. Refer to the Procedure and Links sections for detailed instructions on this repair.

Warranty

Starting on **11/14/2025** and through standard Eaton Endurant HD warranty coverage of 5 years / 750,000 miles (excludes extended warranty), repairs must be completed before campaign expiration of **12/01/2026**. Kenworth will pay for parts at dealer net plus applicable mark-up and labor.

 **NOTE**

If the Mechatronic Transmission Module has an Eaton/Cummins Joint Venture (ECJV) label, the repair has already been completed. Repairs should not be performed on a transmission that has the ECJV label.

If the Warranty Return Center receives an MTM with an ECJV label under this campaign, it will be denied.



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- **0.1 hours** labor for inspecting the MTM label and finding that it is an ECJV label or the five bolded digits of the serial number are 22342 or sequentially higher (12S**22342**145012) and no repairs are

required. Use Recommended Repair Code **FS016A**.

- **6.2 hours** labor for generating a Service Activity Report, R&I Transmission, R&I MTM, perform MTM Rail Service Procedure, and perform road test. Use Recommended Repair Code **FS016B**.
- If any fault code diagnostics are required, they must be filed as a supplemental claim.
- File an additional claim for extraordinary circumstances. A recommended repair for standard labor must be filed first.
- File the claim within 14 days in accordance with the warranty policy.
- Cross division repairs are not allowed.

Take-Off Parts Disposition: Destroy take-off parts 30 days after claim is paid.

PRWS CLAIM CODING			
Campaign Code:	FS016	Campaign Type:	Field Repair
Claim Category:	Truck	Repair Type:	Proactive
Customer Concern Code:	062	Causal Code:	62
Corrective Action Code:	32	Responsibility Code:	CampSupp
Failure Location:	026-015-105	Causal Part:	E74-1020
Supplier Code:	21888AB	SRT Code:	B25-29A 0.1 hours Inspect the MTM label per the bulletin procedure. B25-29B 6.2 hours Generate a Service Activity Report, R&I Transmission, R&I MTM, perform MTM Rail Service Procedure,

			and perform road test.
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Parts

Parts are available from PACCAR Parts.

Quantity	Part Number	Description
60mL	Source Locally	Parts Cleaner - Loctite SF 7063 (or equivalent)
1	E74-1020	MTM O-ring Kit Includes: • Loctite Anaeraobic Sealer 5188 • Loctite Thread Locker 71232
As Needed	E22-1020	Transmission Oil Drain/Fill Plug

Procedure

Please follow your dealership's safety procedures and precautions to ensure the vehicle can be safely repaired and maintained.

 WARNING
Read, understand, and follow each statement regarding cap screw installation and torque specification requirements. Failure to install and torque cap screws to specification may result in major vehicle component damage, severe injury, or death.

1. Inspect the Mechatronic Transmission Module (MTM) label for type and serial number:



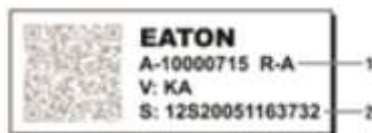
MTM Label Location

- If it is an Eaton/Cummins Joint Venture label (pictured below) or the five bolded digits of the MTM serial number are 22342 or sequentially higher (12S**22342**145012), then no repairs are required. File a claim for inspecting the MTM label.



Eaton/Cummins Joint Venture Label

- If it is an Eaton label (pictured below) and the five bolded digits of the MTM serial number are sequentially lower than 22342 (12S**22342**145012), then proceed to step 2.



Eaton Label

2. Create an Eaton Service Activity Report.
3. Refer to the Eaton **TRSM0950** procedures in the Links section below.

Perform all of the following procedures:

- Transmission R&I Procedure.
 - Mechatronic Transmission Module R&I Procedure.
 - MTM Rail B C and D Cylinder Procedure.
- Disregard Special Instructions that state “Perform this entire procedure only if guided here by MTM Rail B, C, and D Cylinder Inspection Procedure.” – **This is a proactive**

repair procedure and is not dependent on inspection results.

- Unless applicable fault codes are present, do not proceed past step 22 in the “Assemble Rail C and D” section of the procedure.
4. Fault code diagnostics are not covered under this bulletin unless the fault codes are specifically called out in **TAIB-0994**.
 5. Once all applicable procedural steps in **TRSM0950** are completed, perform a road test to verify the repair.

Attachments

[TRSM0950: Transmission R&I Procedure](#)

[TRSM0950: Mechatronic Transmission Module R&I Procedure](#)

[TRSM: MTM Rail B C and D Cylinder Procedure](#)

Only reference TAIB 0994 to determine if applicable fault codes are present.

[Eaton TAIB 0994](#)