



Subject: Mis-Installed Mechatronic Transmission Modules (MTMs) on Endurant HD and PACCAR TX-12 Transmissions

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Issue Description:

MTM's are being mis-installed during transmission repair. Instructions for removing and installing MTM's can be found in the Endurant HD service manual (TRSM0950) and must be followed.

- The transmission must be in a horizontal position prior to the MTM Installation procedure. Failure to do so causes the sliding clutches to move out of neutral and not align to the shift yokes. If the shift yokes are not aligned to the sliding clutches, position sensor fault codes set Active and the transmission will not shift out of neutral.
- If the MTM is installed on the transmission and Rail E in the MTM is not aligned with Rail E in the Main Housing, Fault Code 320 (SPN 5942) sets Active and the transmission will not shift out of neutral.
- If the MTM is installed on the transmission and Rail B in the MTM is not aligned with Rail B in the Main Housing, Fault Code 275 (SPN 4219) sets Active and the transmission will not shift out of neutral.
- Rails B, C, and D positions can be viewed for proper MTM installation with the PTO cover removed.

Field Strategy:

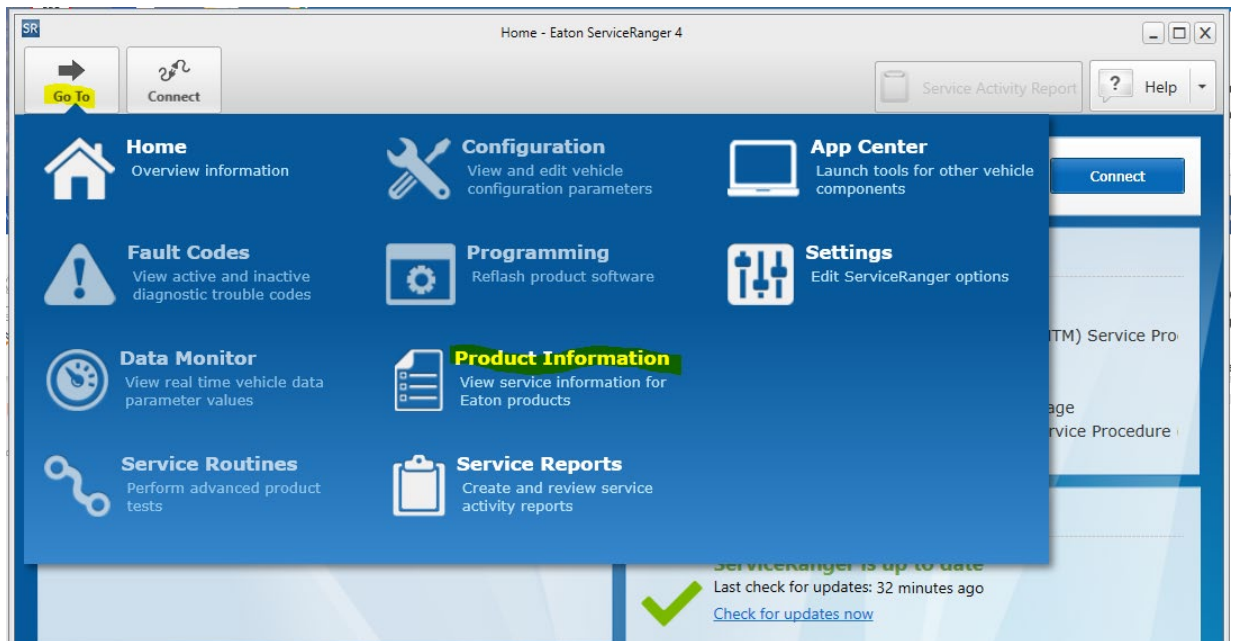
Refer to the published Endurant HD Service Manual ((TRSM0950) on eatoncummins.com and ServiceRanger4 (SR4). In addition to the published Service Manual, videos for proper MTM removal and installation are included in the instructions in Product Information Library (PIL) and on SR4.

PIL Link:

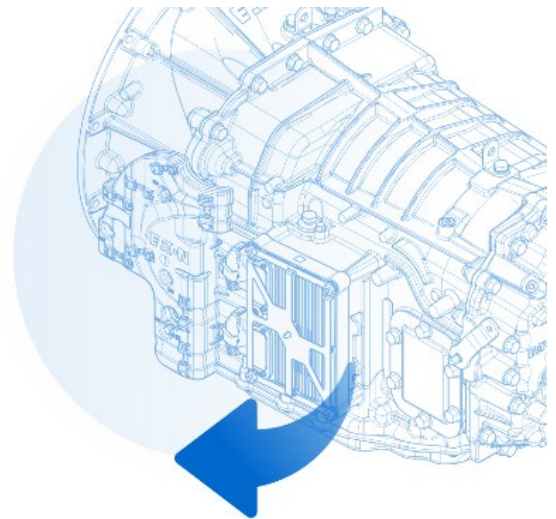
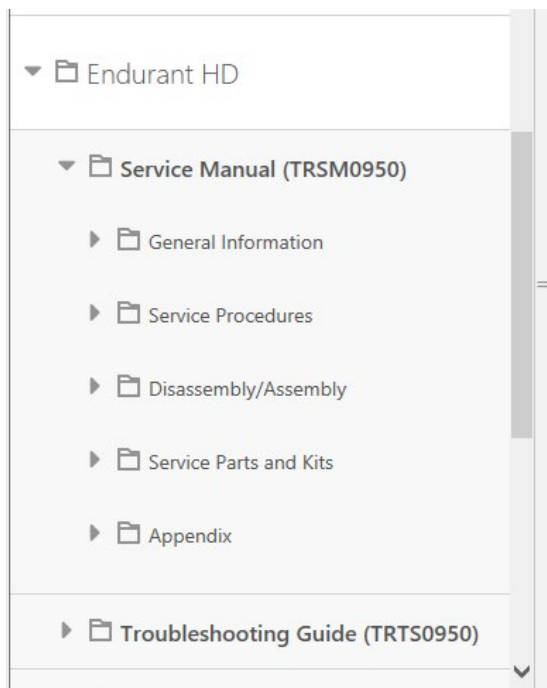
<https://productinfo.serviceranger4.com/view-document/TRSM0950/en-us/BABCEIFAC1>

Accessing Product Information in SR4:

1. From the SR4 Homepage, select “Product Information” under “Go to”.



2. Select “Service Manual (TRSM0950)” under “Endurant HD”.



Select a Product.

Use the sidebar on the left to select a document by famil

3. Click on the MTM service procedure to access the service instructions and videos.

▼ Service Manual (TRSM0950)

▶ General Information

▼ Service Procedures

[Oil Service Procedure](#)

[Linear Clutch Actuator \(LCA\) Service Procedure](#)

[Transmission Control Module \(TCM\) Service Procedure](#)

[Transmission Service Procedure](#)

[Clutch Service Procedure](#)

[Fluid Pressure Sensor \(FPS\) Service Procedure](#)

[Output Speed Sensor Service Procedure](#)

[Mechatronic Transmission Module \(MTM\) Service Procedure](#)

[Release Bearing and Clutch Release Yoke Service Procedure](#)

[Upper Countershaft Cover Service Procedure](#)

[Input Shaft Cover Service Procedure](#)

Endurant Service Procedure - Mechatronic Transmission Module Install

Mechatronic Transmission Module Install



1. Place the transmission in a horizontal position.

NOTICE

The transmission must be in a horizontal position prior to the MTM Installation procedure. Failure to do so causes the sliding clutches to move out of neutral and not align to the shift yokes. If the shift yokes are not aligned to the sliding clutches, position sensor fault codes set Active and the transmission will not shift out of neutral.

2. Clean the sealing surfaces on the transmission and Mechatronic Transmission Module (MTM) with gasket

Note: Only external service videos are available for the Endurant HD and Procion products. Additional videos will be added as they are developed to better assist with transmission service.

The material contained in this bulletin is product improvement information. Eaton Corporation is not committed to, or liable for, canvassing existing products. FSUD: 2014-FSUD-4337