

TT7252EN
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SUBJECT: Transmission Control Module (TCM) Recalibration for Kenworth and Peterbilt

MODELS AFFECTED: Kenworth T300 models and Peterbilt 330-340 models built between 01/04/10 – 04/01/10 and equipped with Allison 2000 series transmissions and PACCAR PX-6 engines.



NOTE: Kenworth and Peterbilt dealers are asked to coordinate with Allison distributors/dealers for repairs as outlined in Kenworth TIB 26-022 and Peterbilt FRN712-1.

Description of Complaint:

Some customers may indicate poor shift quality with their Kenworth T300 and Peterbilt 330-340. Inspection may show that the transmission fluid is discolored and/or burnt. The transmission may show a Diagnostic Trouble Code (DTC) or the “Check Trans” light may come on.

Background:

Kenworth and Peterbilt installed a MY09 calibration with 2010 Uprate hardware in a small number of T300s and 330-340s. This calibration and hardware combination will affect the proper operation of Variable Modulated Main Pressure.

Service Procedure:

Upon customer notification by Kenworth and Peterbilt, the vehicle will be sent to an authorized Allison distributor/dealer with programming capabilities for inspection and TCM Reflash.



NOTE: Distributors/dealers may encounter the problem on the specific chassis in one of two ways:

1. Referral from a Kenworth or Peterbilt dealer.
2. The customer may come to an Allison distributor/dealer with a transmission complaint.

In either event repairs should be coordinated with a Kenworth or Peterbilt dealer.

Once the vehicle has been received, please proceed as follows:

1. Connect the Allison DOC® for PC–Service Tool and record a snapshot to save original Customer Modifiable Constants (CMC) values.
2. Using Allison DOC® for PC–Service Tool, check the TCM for the correct Calibration Identification Number (CIN) number. The correct CIN numbers are as follows:

Incorrect CIN	Correct CIN
4A00JV60021	4F00N0B007R
4A00M400016	4F00NXS0073
4A00JYW001T	4F00LEA0072
4A00JV60021	4F00LDZ007Q
4A00LQ4001V	4F00XP7004G
4A00K7U0011	4F00USM007Z
4A00LGU001B	4F00NF50070

3. If the vehicle is found to have the incorrect CIN number, a TCM Reflash is required. Use Allison TCM Reflash to download the calibration from the Allison PCCS Web Server.

Inspection:

The inspection process is as follows:

- Check fluid condition for discoloration and/or burnt smell.
- Check transmission TCM for diagnostic codes.
- Reflash TCM with correct CIN number.



NOTE: Transmission inspection and TCM Reflash will not exceed 1.5 hours labor.



NOTE: If there is evidence to suggest additional repairs, contact Allison TAC at 1-800-252-5283 for authorization.



NOTE: The issue outlined in this document is not an Allison Transmission defect in material or workmanship. Invoice for repairs are to be presented to the Kenworth/Peterbilt dealer, not to the customer/driver.

For further information regarding this issue, please reference either of the following service publications:

- Kenworth TIB 26-022: Mismatch of Allison Hardware and Transmission Calibration Software
- Peterbilt FRN712-1: Mismatch of Allison Hardware and Transmission Calibration Software