TECH TIP

Allison Transmission
DRIVING TRANSMISSION TECHNOLOGY

Revisions to this document are noted by a stripe in the left-hand margin

TT7718EN, Rev. A
October, 2015

SUBJECT: Shifting to Neutral and P0883 Code in Freightliner and Western Star Chassis

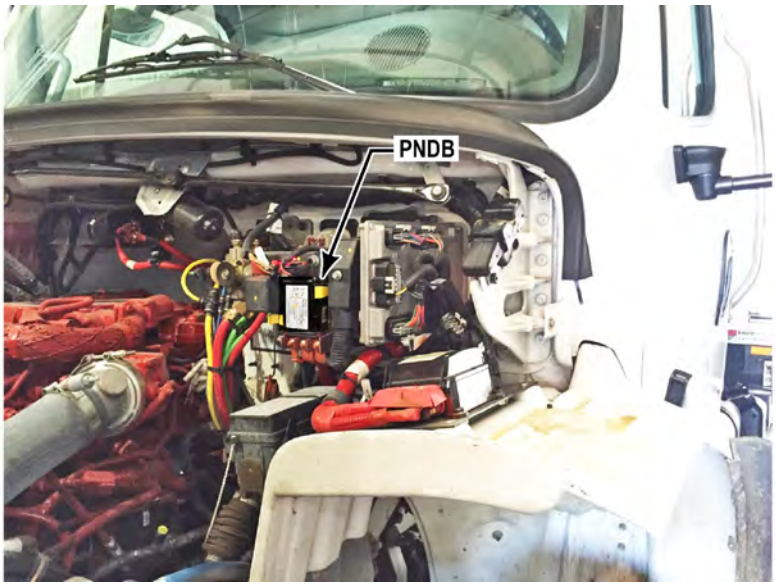
MODELS AFFECTED: 3000 and 4000 Series Product Family Transmissions in Freightliner and Western Star Trucks

Description of Complaint:

Customers may experience the transmission shifting to neutral while driving accompanied by a P0883 TCM Power Input Signal High code.

Cause:

Loose fuses in the Freightliner or the Western Star PowerNet Distribution (PNDB) panel can cause TCM voltage to spike in excess of 16V. Refer to Figures 1 and 2.



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Figure 1. Freightliner PowerNet Distribution (PNDB) Panel

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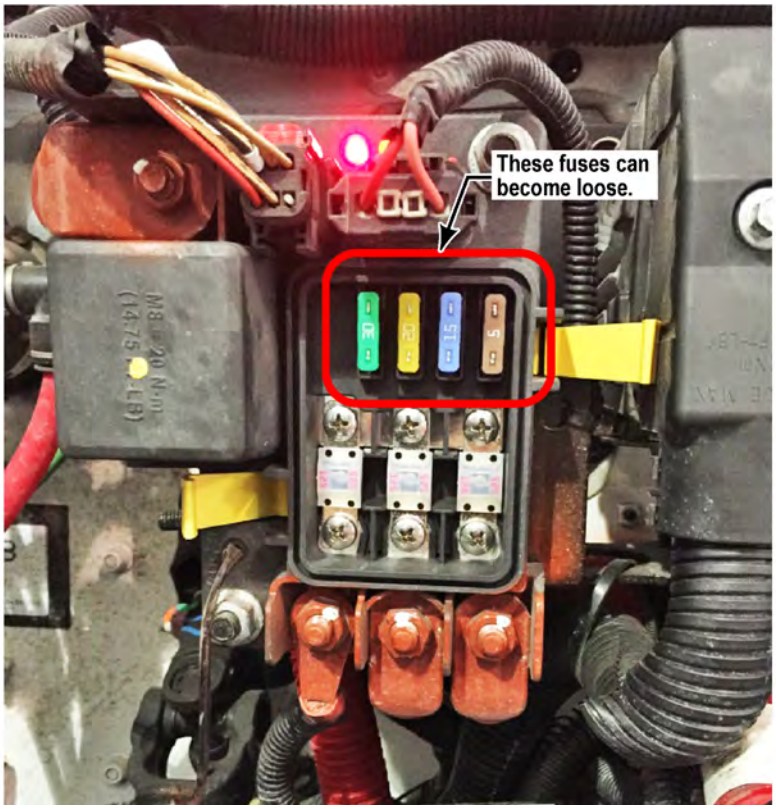


Figure 2. PNDB with Cover Removed

Service Channel Procedure:

If this issue is discovered while performing customer maintenance or repair, please refer the customer to a Freightliner or Western Star dealer to address the issue. Freightliner Service Bulletin 54-287 discusses this topic. Western Star Service Bulletin 54-60 discusses this topic.

NOTE: This issue is the responsibility of the OEM, and as such will not be repaired under Allison Transmission product warranty.

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