



SERVICE BULLETIN

SB1215

ADDRESSEES	: Owners and operators of coaches listed under 'Application'
COACH/BUS MODEL	: T2140, T2145, C2045 with following specification: 2004 engine, Allison Gen IV transmission, and Jake Brake
BULLETIN TYPE	: Service Information
SECTION/CHAPTER	: Section 3 – Drive train Chapter 6.2 – Transmission control systems
DATE	: January 18, 2008
SUBJECT	: Jake Brake - harsh engagement
TERMS & CONDITIONS	: Refer to the Warranty Information further in this Bulletin.

APPLICATION:

The service information subject of this Bulletin is applicable to following units:

Model	Engine	VIN T2140	VIN T2145
T2100	Cummins	40161 → 40163	44332 → 44340
	Detroit Diesel	40623 → 40629	44662 → 44666
	Caterpillar	N/A	44836 → 44838, 44847 → 44854

Model	Engine	VIN
C2045	Cummins	46086 → 46103
	Detroit Diesel	46732 → 46745, 46748 → 46788
	Caterpillar	47332 → 47341, 47475 → 47486, 47499 → 47527

DESCRIPTION:

1. It has been determined that, with the transition from model B500 WTEC to model B500 Gen IV transmissions, Allison have introduced parameter changes in the Transmission Control Module (TCM – Figure 1, overleaf) that adversely affect the operation of the Jake Brake.
2. When the Jake Brake is activated on units that are equipped with an Allison B500 Gen IV transmission, the engine brake will cut-in in a much harsher fashion than would be the case on units equipped with an Allison B500 WTEC.
3. To address the issue, Allison will replace, at the customer's request and free of charge, the TCM of the above-mentioned units by a TCM that is programmed for more progressive Jake Brake operation. The terms and conditions for this repair have been outlined in the Warranty Information section of this Bulletin.

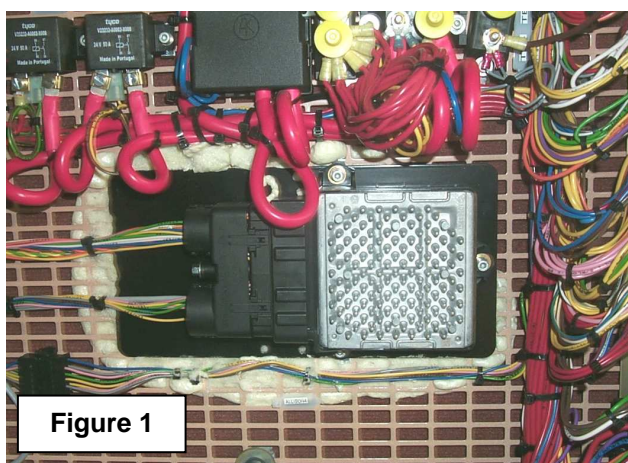
Description continued on next page.

4. In production, Allison TCM's with the new calibration have been installed as from following units:

Model	Engine	VIN T2140	VIN T2145
T2100	Cummins	TBA	44341 →
	Detroit Diesel	TBA	44667 →
	Caterpillar	N/A	TBA

Model	Engine	VIN
C2045	Cummins	46104 →
	Detroit Diesel	46789 →
	Caterpillar	47535 →

PARTS AND PRODUCTS:



Old parts

VH reference	Description	Qty.	Refer to
VH 11031164	TCM with calibration A43005VW	1	Figure 1

New parts

VH reference	Description	Qty.	Refer to
VH 11084837	TCM with calibration A4300A4T	1	Figure 1

- Old and new parts are interchangeable, but only the new will be offered as service replacements.
- Parts may be purchased from your nearest ABC Customer Care & Parts Source service center.
- Parts/Waste disposal: refer to the Warranty Information in this Bulletin.

SERVICE INFORMATION:

Service Bulletins are issued to supplement or supersede information in the Van Hool manuals. Note Service Bulletin number, date and subject on the register at the end of the relevant chapter(s). File Service Bulletin separately for future reference.

WARRANTY INFORMATION:

1. Claim references:

- Causal part: TCM A43005VW (VH 11031164).

2. Terms and conditions:

- Customers encountering harsh operation of the Jake Brake can request their local Allison representative to install the new calibration A4300A4T (VH 11084837), free of charge. The Allison representative will receive reimbursement by filing an AWAARE claim.
- Parts will be replaced on a one for one exchange basis only. In order to be eligible for a free TCM, the old part must be returned.
- Campaign expiration date: Service Bulletin issue date + 6 months.
- If you are unsuccessful in obtaining proper parts and/or service from your local Allison representative, please contact:

ABC Customer Care department
17469 West Colonial Drive
Wintergarden, FL 34787
USA

Tel: (877) 427 7278

- Van Hool will not accept any warranty claims for this repair.

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