SERVICE BULLETIN No.1195

Addressees: owners and operators of units listed under 'Application'

COACH MODEL	**:** T2100 Series
BULLETIN TYPE	**:** Product Improvement
SECTION	**:** Section 10 - HVAC
DATE	**:** October 30, 2006
SUBJECT	**: T2100 HVAC multiplex program update**
TERMS & CONDITIONS	**:** No claims will be accepted with reference to this Bulletin.

APPLICATION:

This Bulletin is applicable to following units:

Model	Engine	VIN
T2140	Cummins	40148 → 40155
	Detroit Diesel	40611 → 40617
	Caterpillar	NA
T2145	Cummins	44313 → 44324
	Detroit Diesel	44633 → 44655
	Caterpillar	44801 → 44825

DESCRIPTION:

1. Based on feedback from the field, following changes have been cut into production to improve HVAC system operation for enhanced passenger comfort:

   - Floor heating in the passenger compartment has been fine-tuned.
   - Throughout the coach the ambient air temperature is more consistent.
   - The combustion heater mode of operation has been revised.
   - The interior fresh air flap is now normally open and can be closed by an override switch on the dashboard, independent of the climate control program.

Description continued on next page.

Service personnel: please read, initial and circulate.

Service Manager	Parts Manager	Warranty Administrator	Workshop Foreman	Service Technician

Continued from page 1

2. VIN cut-in for the new program is as follows:

Model	Engine	VIN
T2140	Cummins	40156 →
	Detroit Diesel	40618 →
	Caterpillar	NA
T2145	Cummins	44325 →
	Detroit Diesel	44656 →
	Caterpillar	44826 →

3. You can identify the software that is currently installed on the coach by referring to the procedure, which has been attached to this Bulletin.
   If the software is an older version (see below) and you wish to benefit from this product improvement, please contact your nearest ABC facility or field service technician, who will make the necessary arrangements to have your coach upgraded to the new specification.
   Note that qualified ABC personnel only should do the conversion, as they have received formal training on Van Hool multiplex system and follow a dedicated procedure.

SOFTWARE:

Old software

VH reference	Description	Qty.
VH 10944963	T2100 Kibes software, version C	1

New software

VH reference	Description	Qty.
VH 10944963	T2000 Kibes software, version D	1

- Only the new software can be used for service replacement.

PROCEDURE TO IDENTIFY THE SOFTWARE CURRENTLY INSTALLED:

1. General:

- Identifying the software that is currently installed on the coach requires no special skills or training.

2. Special tools, equipment or services:

- No special tools, equipment or services are required.

3. Preparations:

- Park the coach on a level surface with the front wheels straight.
- Apply the parking brake and shut down the engine.
- Switch off all systems and leave the battery master switch on.

4. To identify the coach multiplex software version:

- Refer to attached document "Multiplex system – Identification of the programs"

Procedure complete.

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.

Identification of the programs

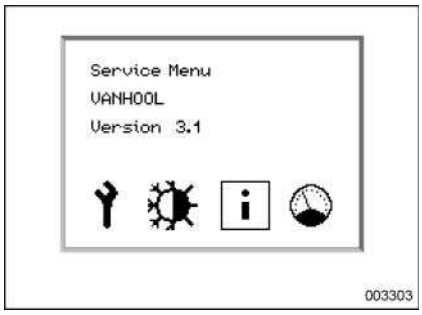
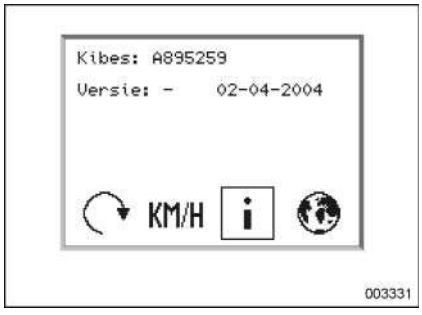
Introduction

The program for the computer module and that for the dashboard node have unique identification numbers. Both numbers can be called up via the display.

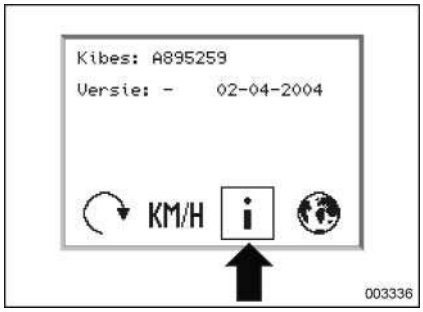
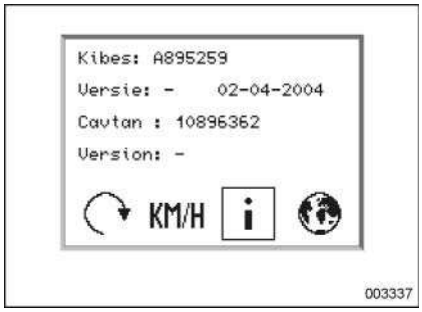
Equipment condition

- Engine off
- Battery isolating switch on

Procedure

Step	Action	Result
1	Press and hold the far left button under the display for longer than 5 seconds.	The service menu appears on the display. 
2	Press the button under the "i" symbol.	The miscellaneous menu appears on the display. 

continued on next page

Step	Action	Result
3	Press the button under the symbol for calling up identification data. 	The identification data of the programs appear on the display. 
4	Press the button under the symbol for calling up identification data again.	The miscellaneous menu appears on the display again.

Recognizing the identification data

After ...	the display shows ...
“Kibes:”	the program identification number in the computer module.
“Version:” (under “Kibes:”)	the change code (letter) of the computer module program.
“Cavtan:”	the program identification number in the dashboard node.
“Version:” (under "Cavtan:”)	the change code (letter) of the program in the dashboard node.

To exit miscellaneous menu

Briefly press the far left button under the multifunctional display as many times as necessary to return to the service menu.

THIS PAGE HAS BEEN LEFT BLANK INTEN TIONALLY