



# SERVICE BULLETIN No.1172

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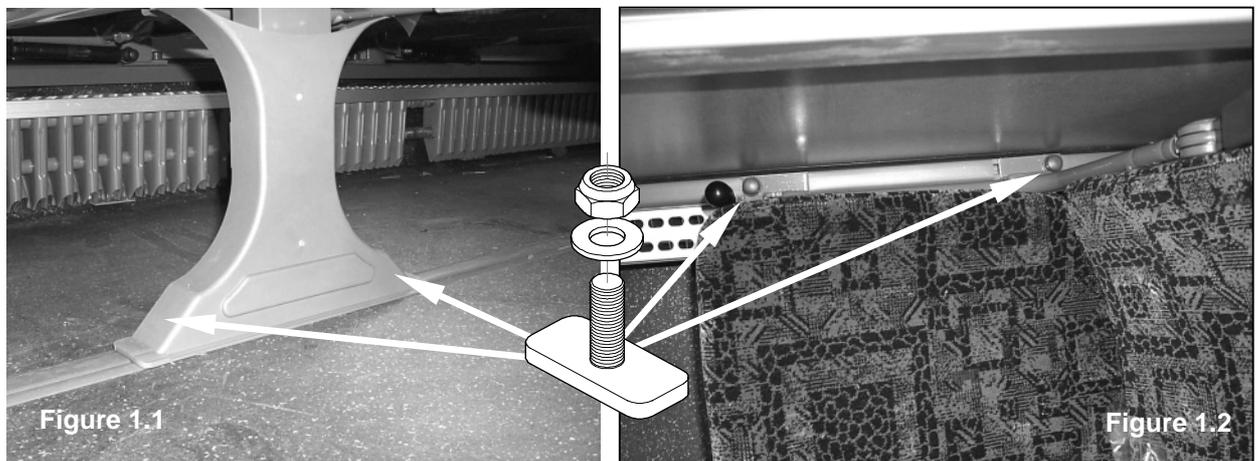
<b>COACH MODEL</b>	: T2100 and C2000 Series
<b>BULLETIN TYPE</b>	: Service Information
<b>SECTION</b>	: Section 11 - Body
<b>DATE</b>	: November 4, 2005
<b>SUBJECT</b>	: <b>Passenger seat mounting hardware torque</b>
<b>TERMS &amp; CONDITIONS</b>	: No claims will be accepted with reference to this Bulletin.

## APPLICATION:

The service information subject of this Bulletin is applicable to coaches fitted with passenger seat assemblies, which bolt to the coach floor and sidewall tracks respectively.

## DESCRIPTION:

1. The purpose of this Bulletin is to remind owners and operators of the above-mentioned coaches that there are specific installation and service requirements for the fasteners that secure the passenger seat assemblies (see Figures 1.1 and 1.2).



**Figures 1.1 and 1.2: Passenger seat assembly - pedestal and side rail secured with tee-bolts, washers and lock nuts to coach floor and side wall tracks respectively**

*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. Seat assemblies should be retained by four Tee-bolts:

- two securing the pedestal to the floor track,
- and two securing the seat chassis to the coach sidewall.

Each pair of T-bolts should be spaced at least 4-21/64 inch (110 mm) apart to prevent breakage of the track rail.

3. Whenever a coach is receiving major service, a check for tightness of these fasteners with a torque wrench should be included as a matter of course.

Tightening torque needs to be as follows:

VH reference	Description	Torque
VH 10616314	Tee-bolt, M10 x 30 mm	31 ft.lbf (42 Nm)
VH 10629968	Tee-bolt, M10 x 25 mm	31 ft.lbf (42 Nm)
VH 10629981	Tee-bolt, M8 x 30 mm	15.5 ft.lbf (21 Nm)

**CAUTION: Improperly secured seats constitute a safety hazard.**

4. Mounting hardware showing damage, or which cannot be properly tightened should be replaced by new.

## **PARTS AND PRODUCTS:**

VH reference	Description	Qty.
VH 10616314	Tee-bolt, M10 x 30 mm	#
VH 10629968	Tee-bolt, M10 x 25 mm	#
VH 10629981	Tee-bolt, M8 x 30 mm	#
VH 660625007	Washer, M8 x 20	#
VH 660207116	Lock nut, M8	#
VH 660627920	Washer, M10 x 21	#
VH 10513551	Lock nut, M10	#

- Parts may be purchased from your nearest ABC Customer Care & Parts Source service center.
- Parts and products disposition: discard according to applicable environmental regulations.

## **PROCEDURE:**

### **1. General:**

- This job should be executed by an experienced automotive service technician.
- For more information refer to the Maintenance Manual.

### **2. Special tools, equipment or services:**

- This job requires the use of a 5 to 75 ft.lbf range torque wrench.

### **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 turn off the battery master switch.
- Put a “DO NOT OPERATE” tag on the instrument panel.
- Read the entire procedure before beginning to work.

**CAUTION: Observe safe shop practices at all times.**

### **4. To check passenger seat mounting hardware for tightness:**

- 1) To gain access to the seat mounting hardware at the aisle side, remove the protective molding that covers the pedestal (see Figure 1.1).
- 2) To gain access to the seat mounting hardware at the window side, remove the protective caps that cover the lock nuts (see Figure 1.2).
- 3) With a torque wrench and a suitably sized socket, check that the fasteners are still tightened properly.  
Correct as necessary.
- 4) Reinstall protective pedestal molding and lock nut caps.
- 5) Repeat for all passenger seat assemblies.

*Procedure complete.*

### **DISCLAIMER:**

The procedures contained herein are not exclusive. Van Hool cannot possibly know, evaluate, or advise the transportation industry of all conceivable ways in which a procedure may be undertaken or of the possible consequences of each such procedure. Other procedures may be as good, or better, depending upon the particular circumstances involved.

Each carrier who uses the procedures herein must first satisfy itself thoroughly that neither the safety of its employees or agents, nor the safety or usefulness of any products, will be jeopardized by any procedure selected.

### **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.

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