



# Service Bulletin No.1032

MODEL	: T2100 series
TYPE	: <b>Product improvement</b>
MANUAL & SECTION	: <b>Maintenance Manual: Chapter 11 - Body and accessories</b> <b>Spare Parts Manual: Section 7716-Ventilation</b>
DATE	: <b>January 31<sup>st</sup>, 2000</b>
SUBJECT	: <b>Top windshield air flow</b>
CONDITIONS	: <b>Service information only. Parts may be obtained from your nearest International Coach Parts Inc. dealer.</b>

**DESCRIPTION:**

1. The position of the air vents and their overall number in the HVAC duct assembly near the upper window has been revised. On new production coaches, the diffusers which are of a different type, no longer face the instrument panel, but have been relocated to the front of the duct, where they face the top windshield instead. Two extra diffusers were added for better air distribution across the screen. These modifications provide a threefold increase of airflow towards the upper part of the windshield and proportionately improved defrosting/demisting.

*Description continued on next page.*

**PARTS**

Always use genuine maintenance products and parts. Do not accept imitations!

Part No.	Description	Qty.
VH 10557587	Top windshield air diffuser (early type, to be removed)	6
VH 10640653	Top windshield air diffuser (field application)	6
VH 660141803	Top windshield air diffuser (factory application)	8
Local Purchase	Loctite 424 instant glue	#

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.

*Continued from page 1.*

2. Coaches already in the field can be modified for improved defrosting/demisting as well. The service procedures in this Bulletin show a simple and inexpensive way to achieve results comparable to those obtained by the product improvement described in item 1.
3. This modification is effective with units:
  - T2140 Cummins: VIN 40136
  - T2140 Detroit Diesel: VIN 40594
  - T2145 Cummins: VIN 43398
  - T2145 Detroit Diesel: VIN 43782

### **SERVICE PROCEDURE:**

**!!! CAUTION!!!**

**USE SAFE SHOP PRACTICES AT ALL TIMES.  
READ ENTIRE PROCEDURE BEFORE BEGINNING WORK.**

1. Park the coach safely on a level surface, apply the parking brake, shut-down the engine and leave the battery master switch on.
2. Switch off the defroster/demister fans if applicable. Roll up the windshield blinds.
3. With a small screwdriver, pry loose and remove all six air diffusers (1, Figure 2) from the HVAC duct assembly near the upper windshield (see Figure 1). Discard the diffusers.

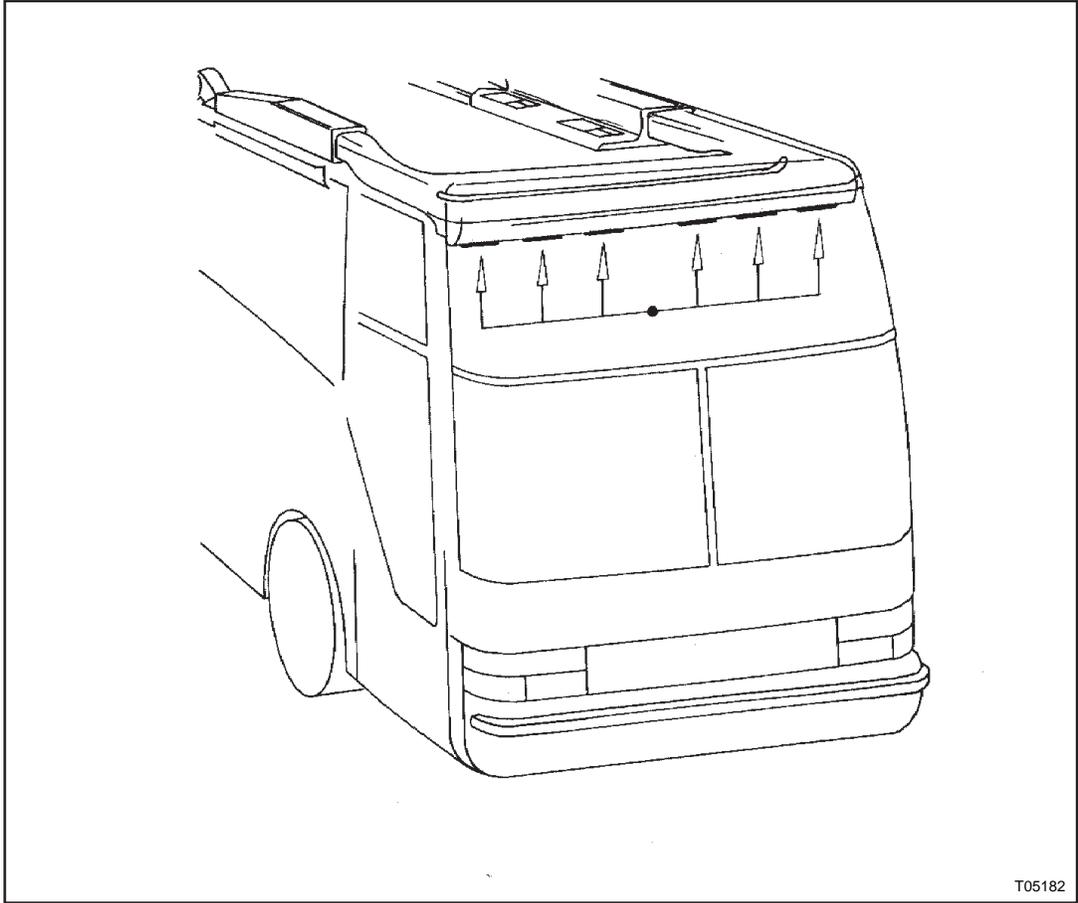
*NOTE*

*The air diffusers are of the clip-on type and are lightly glued into the recessed slots of the HVAC duct. They can easily be removed.*

**!!! CAUTION!!!**

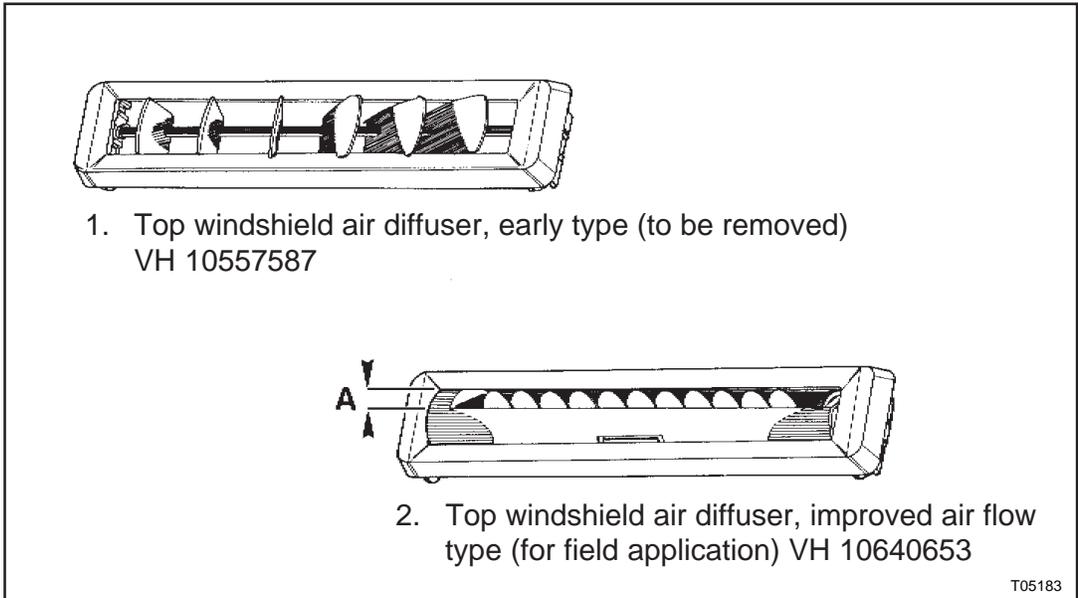
**INSTANT GLUE IS HARMFUL TO SKIN AND EYES. CAREFULLY READ THE INSTRUCTIONS AND SAFETY PRECAUTIONS ON THE PACKAGE AND FOLLOW THE MANUFACTURER'S INSTRUCTIONS.**

4. Adjust the slotted cylinder of one of the replacement air diffusers (VH 10640653) so that the distance A between the edge of the slot and the edge of the frame equals 10 mm/25/64 inch (see figure 2). Lock the cylinder in this position by applying some instant glue to its pivot points. Repeat this step for the remaining diffusers.

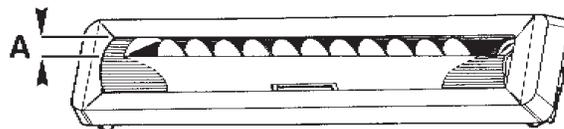


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**Figure 1: Location of early type air diffusers in top windshield HVAC duct**



1. Top windshield air diffuser, early type (to be removed)  
VH 10557587



2. Top windshield air diffuser, improved air flow type (for field application) VH 10640653

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**Figure 2: Early and improved airflow diffusers (Distance A=10 mm/25/64 inch)**

5. Apply some instant glue to the four retaining tangs of the diffuser and fit it in one of the now vacant six recesses of the HVAC duct with the slot facing the windshield. Repeat this step for the remaining diffusers.
6. Allow the instant glue to cure for a few minutes. Switch on the defroster/ demister fans and adjust the diffuser vanes to obtain an even air distribution across the windshield. Switch off the fans and the master switch.

*Procedure complete.*

**SERVICE INFORMATION ( FOR FIELD APPLICATION ONLY):**

1. New parts are directly interchangeable with old parts.
2. Only new parts will be offered for service replacement.