



# SERVICE BULLETIN No.1102

Circulate to listed addressees

<b>COACH MODEL</b>	: T2145 and C2045
<b>BULLETIN TYPE</b>	: Service Information
<b>MANUAL &amp; SECTION</b>	: Maintenance Manual: Chapter 11 – Body and accessories Spare Parts Manual: Section 7381 – Front bumper
<b>PARTS BOOK REVISION</b>	: Yes
<b>DATE</b>	: March 8th, 2002
<b>SUBJECT</b>	: <b>Fiberglass plugs for front bumper fog lamp openings</b>
<b>TERMS &amp; CONDITIONS</b>	: No claims will be accepted with reference to this Bulletin.

## APPLICATION:

The modification subject of this Bulletin has been cut into production as from following units:

Model	Engine	VIN
T2145	Cummins	44268 →
	Detroit Diesel	44585 →
C2045	Cummins	45375 → 45382
		45389 →
	Detroit Diesel	45845 →

## DESCRIPTION:

As from production run 2002, Van Hool T2145 and C2045 coaches will no longer have fog lamps installed in the front bumper as standard.

The new specification coaches will be pre-wired to accept fog lamps VH 10564104 (T2145) and VH 10699103 (C2045) as before, but the lamp holes in the front bumper will be filled with fiberglass plugs, which blend into the bumper.

Fiberglass replacement bumper plugs for the fog lamps will be made available as an aftermarket part for coach operators who may want to change to the latest look.

An installation procedure for the OEM fog lamp hole plugs has been included with this Bulletin.

*Service personnel: please read, initial and circulate.*

Service Manager	Parts Manager	Warranty Administrator	Workshop Foreman	Service Technician

## **PARTS:**

<b>Part No.</b>	<b>Description</b>	<b>Qty.</b>
VH 10764792	Fog lamp hole plug for bumper C2045, left hand	1
VH 10764797	Fog lamp hole plug for bumper C2045, right hand	1
VH 10770482	Fog lamp hole plug for bumper T2145, left hand	1
VH 10770484	Fog lamp hole plug for bumper T2145, right hand	1

- Parts come unpainted.
- Parts may be purchased from your nearest ABC Companies Parts Source dealer.
- Always use genuine maintenance products and parts. Do not accept imitations.
- Parts disposition: discard according to applicable environmental regulations.

## **PROCEDURE:**

### **1. General:**

- The time required to remove the OEM fog lamps and install the lamp hole plugs is approximately 3/4 hours.
- Fog lamps should be removed by an experienced technician.
- Fog lamp hole plugs should be installed by a technician experienced in body repair.
- For more information refer to the Electrical Wiring Diagram Booklet that comes with the coach.

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

- This job requires the use of paint spray equipment.

### **3. Preparations:**

- Park the coach on a level surface, 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.

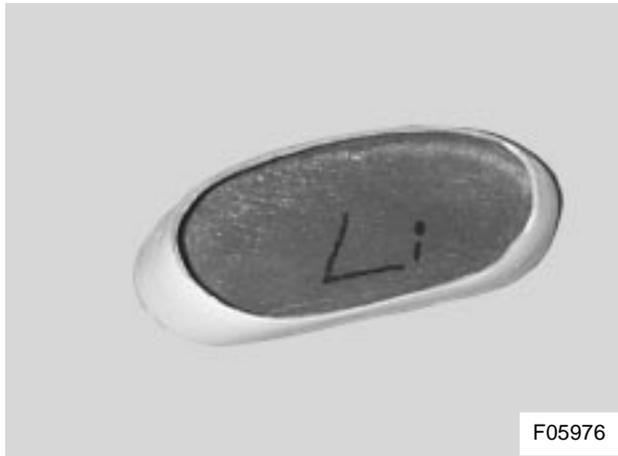
**CAUTION: Observe safe shop practices at all times.**

### **4. To remove fog lamps VH 10564104 or VH 10699103:**

- 1) Lower the front bumper as instructed in the Operator's Guide Book.
- 2) Undo and remove the fasteners securing the fog lamps and fog lamp mounting brackets to the bumper. Remove the brackets.
- 3) Disconnect the fog lamp wiring. Remove the lamps.
- 4) Insulate the wiring connectors and stow the harnesses out of the way using tie wraps.

**5. To install the fog lamp hole plugs:**

*NOTE: Fiberglass fog lamp hole plugs are different for the right and left hand side and are marked accordingly (see Figure 1).*



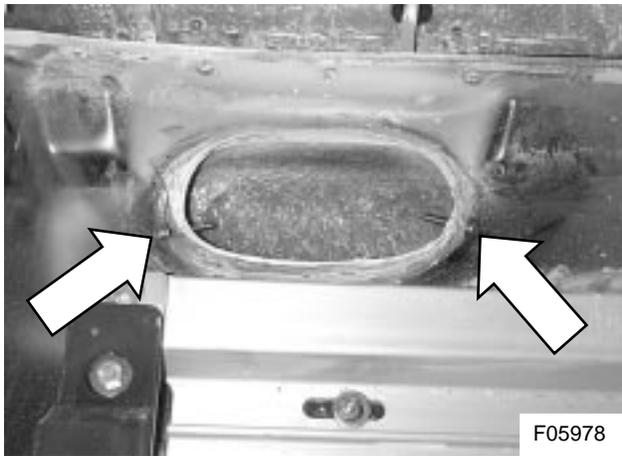
**Figure 1: C2045 fog lamp hole plug, left hand**

- 1) Trial fit the plugs. Plugs should be flush with the bumper surface when installed as shown in Figure 2.  
For the best results, dress edges as necessary to suit.



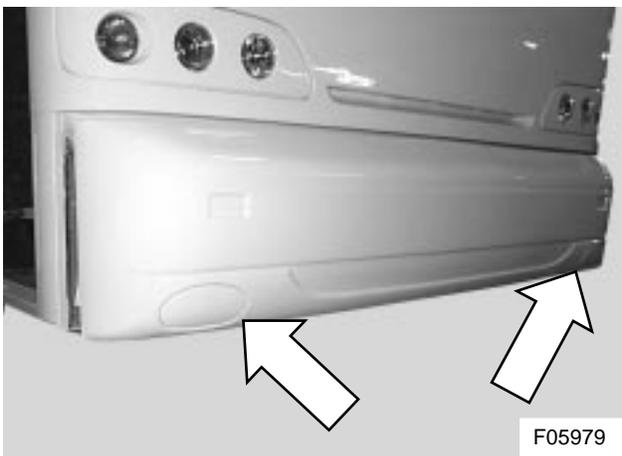
**Figure 2: Lamp recess plug flush with bumper skin (C2045)**

- 2) Prepare and paint the plugs in the matching bumper color. If the complete bumper assembly requires a respray, refer to Van Hool Service Bulletin #1083 "Thermoplastic bumper shell painting."
- 3) Pre-clean the fog lamp recesses in the bumper. Roughen the edges of the holes with P80 grit sanding paper. Finish-clean with acetone. Surface should be clean, dry, and free of dust, grease and oil.
- 4) Repeat step 3 for the edges of the fog lamp hole plugs.
- 5) Install the plugs in the bumper and secure them with two helper screws (see Figure 3). Make sure the caps are flush with the bumper surface.



**Figure 3: Fog lamp hole plug kept in place with helper screws (C2045)**

- 6) Close the bumper.
- 7) Using an adhesive gun, fill the gap between the plug and the recess entirely with Sikaflex 221 or a similar polyurethane adhesive until it pours out at the seams. Remove spill over with a clean rag and a soapy solution. Allow adhesive to cure. The final result is shown in Figure 4.



**Figure 4: Fog lamp hole plugs, final installation (C2045)**

*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.