



SERVICE BULLETIN No.1111

Circulate to listed addressees

COACH MODEL	: C2045
BULLETIN TYPE	: Product Improvement
MANUAL & SECTION	: Maintenance Manual: Chapter 10 – HVAC System Spare Parts Manual: Section 771609 – Ventilation
PARTS BOOK REVISION	: Yes
DATE	: October 4th, 2003
SUBJECT	: Evaporator access door
TERMS & CONDITIONS	: No claims will be accepted with reference to this Bulletin.

APPLICATION:

New evaporator door hardware has been cut into production as from the units shown below:

Model	Engine	VIN
C2045	Cummins	45310 → 45312, 45314 → 45318, 45320 & 45321, 45323, 45352 →
	Detroit Diesel	45765, 45772 & 45773, 45775 → 45785, 45791 →

DESCRIPTION:

To facilitate HVAC air filter maintenance, the evaporator access doors have been equipped with check straps as from the above mentioned units. At the same time, the latches and catches have been changed to provide more positive locking and to reduce noise.

The procedure in this Bulletin shows how the straps and latches can be retrofitted to earlier coaches.

Service personnel: please read, initial and circulate.

Service Manager	Parts Manager	Warranty Administrator	Workshop Foreman	Service Technician

PARTS AND PRODUCTS:

New parts – check straps

Part No.	Description	Qty.*
VH 10605005	Swivel stud	2
VH 10539740	Oval head countersunk mtg screw for VH 10605005	4
VH 10767068	Check strap, 18-57/64 inch (480 mm)	1
VH 10767069	Check strap, 16-17/32 inch (420 mm)	1
VH 660610997	Rivet	2
VH 660621200	Washer, 11/64 x 23/64 x 3/64 inch (4.3 x 9 x 1 mm)	6

* Quantities per door

New parts – door latches

Part No.	Description	Qty.*
VH 10863619	Door latch assembly, includes washer	3
VH 10728855	Center catch for VH 10863619	1

* Quantities per door

- Parts may be purchased from your nearest ABC Companies Parts Source dealer.
- Always use genuine maintenance products and parts. Do not accept imitations.

PROCEDURE:

1. General:

- For your information only:
The time required to install the check straps of one evaporator door is approximately 0.35 hours. The time required to change a door lock is approximately 0.15 hours.

2. Special tools, equipment or services:

- No special tools, equipment or services are required.

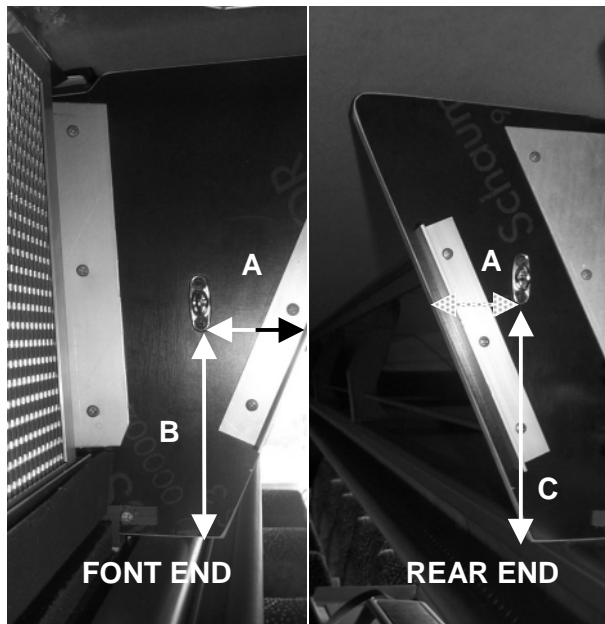
3. Preparations:

- 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.

4. To install the evaporator door check straps:

- 1) Using a square key, unlock the latches securing the evaporator access door. Lift the door from the parcel rack rail and lower it onto the seats.
- 2) On the evaporator side of both the front and rear plywood evaporator end panels, install a swivel stud referring to the dimensions given in Figures 1 and 2. Secure with mounting screws VH 10539740.

NOTE: The bottom hole of the front-end swivel stud should be located 1 inch lower than the bottom hole of the rear end stud.



Figures 1 and 2: Installation dimensions for the lower swivel stud mounting hole.

A: 2-23/64 inch (60 mm)
B: 4-23/32 inch (120 mm)
C: 5-23/32 inch (145 mm)

- 3) In the molding recess, on the inside of the access door, drill a hole in both the front and the rear end using a 1/8 inch drill bit. Refer to the dimensions provided in Figure 3.

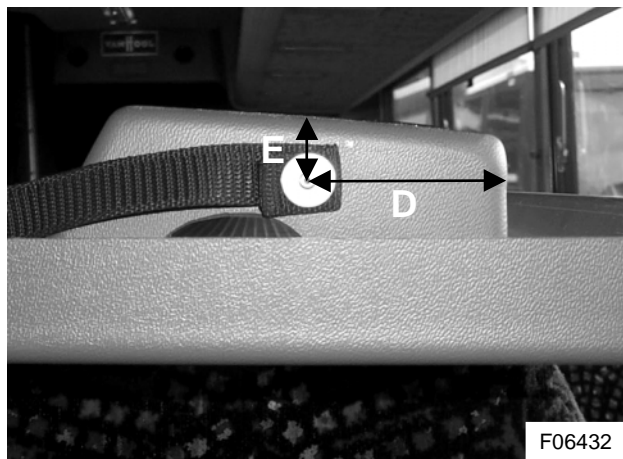


Figure 3: Drilling dimensions for rivet hole.

D (front): 2-61/64 inch (75 mm)
D (rear): 2-23/64 inch (60 mm)
E: 1 inch (25 mm)

- 4) Fold the plain end of the straps as shown in Figures 3 and 4. With an awl, pierce a suitable hole for a rivet to pass. Using the rivets and washers, install check strap VH 10767069 (16-17/32 inch; 420 mm) in the front end and check strap VH 10767068 (18-57/64 inch; 480 mm) in the rear end of the molding recess (see Figure 4).

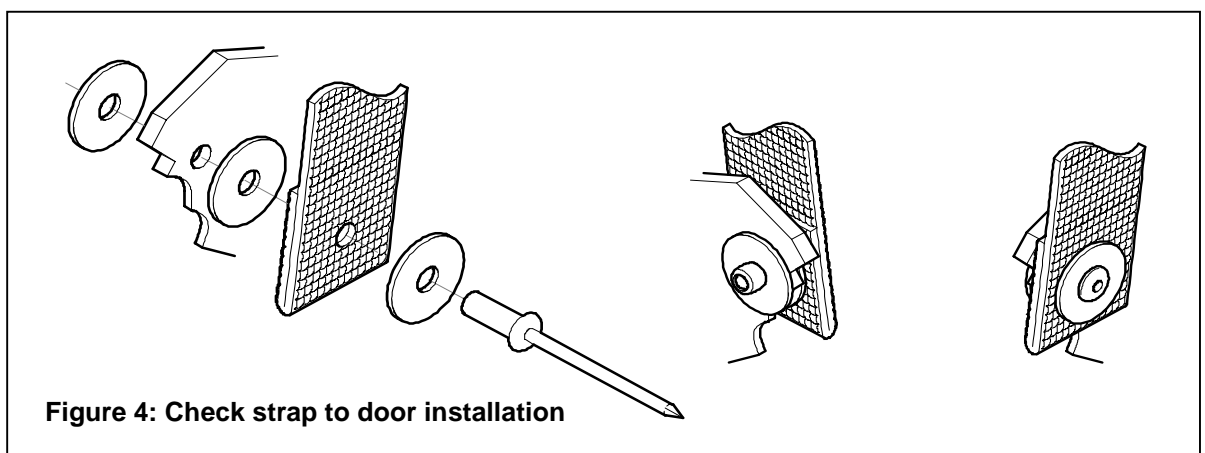


Figure 4: Check strap to door installation

- 5) Attach the U-channel at the bottom of the door to the parcel rack rail.
Attach the straps to the plywood end plates by slipping the eyes in the straps over the swivel studs.
Secure by turning the swivel through 90° (see Figure 5).
- 6) Close the door and lock the latches using a square key.
- 7) Repeat steps 1 through 6 for the door opposite the modified one.
Figure 6 shows the installation completed.

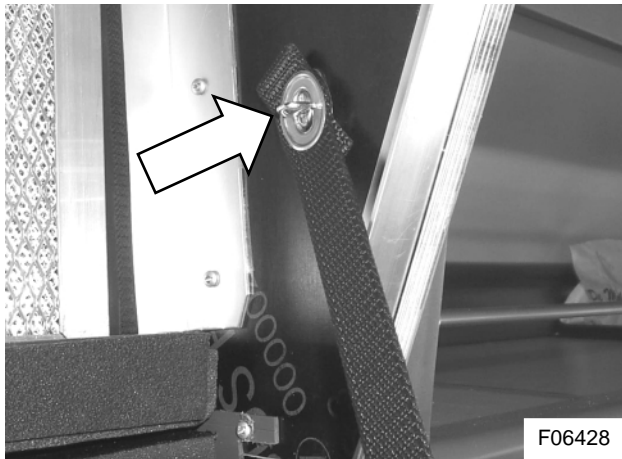


Figure 5: Strap secured by swivel stud



Figure 6: Strap installation completed

5. To replace the evaporator door latches and center catch:

- 1) Put the evaporator door face down on a suitable clean work surface.
- 2) To remove an old latch from the door, undo and remove the screw securing the cam to the cam drive (see Figure 7). Remove any washers or lock-tabs.

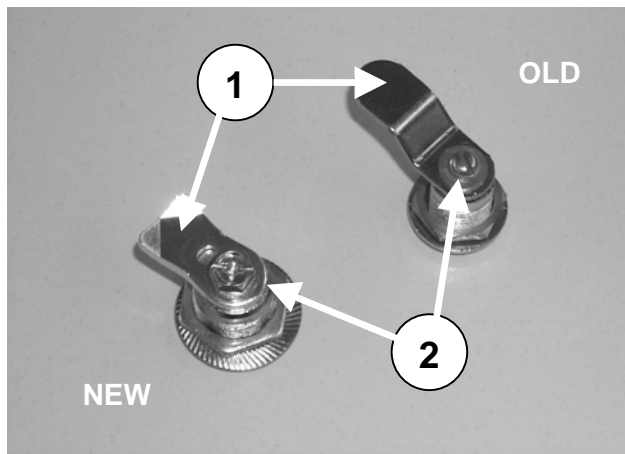


Figure 7: Old and new latches

1. Cam
2. Screw and washer

- 3) Undo and remove the nut and washer securing the latch to the door. Withdraw the latch.
- 4) Using a step drill increase the diameter of the latch hole in the door from 3/4 inch (19 mm) to 7/8 inch (22 mm).
- 5) Fit the new latch in reverse order to removal of the old one.
- 6) Before tightening the large nut securing the latch to the door, position its cam so that it is parallel to the edge of the door.
 - The cam of the fore and rear most latches should point up.
 - The cam of the center latch should point aft.

With the latch properly positioned, secure the large nut hand tight.

- 7) Tighten the cam screw to 80 in.lbf (9 Nm).
- 8) Repeat steps 1 through 7 for the other two latches.
- 9) Before reinstalling the access door, replace the old center catch, which has been secured to the coach ceiling, by catch VH 10728855.
Distance from the catch lip to the evaporator filter (see Figure 8) should be 25/32 inch (20 mm). The fore and aft catch need not be repositioned.

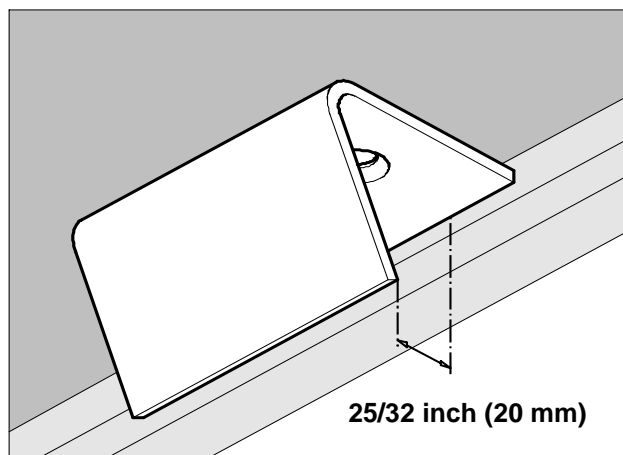


Figure 8: New center catch – catch lip to evaporator distance

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.

THIS PAGE HAS BEEN LEFT BLANK INTENTIONALLY