



SERVICE BULLETIN No.1187

Circulate to listed addressees

COACH MODEL	: T2145
BULLETIN TYPE	: Product Improvement
SECTION	: Section 11- Body and accessories
DATE	: May 18, 2006
SUBJECT	: New interior rear view mirror assembly
TERMS & CONDITIONS	: No claims will be accepted with reference to this Bulletin.

APPLICATION:

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

Model	Engine	VIN
T2145	Cummins	44301 →
	Detroit Diesel	44620 →
	Caterpillar	44801 →

DESCRIPTION:

On newly manufactured coaches a new model has replaced the interior rear view mirror assembly, which was previously installed on the left-hand windscreen post in the driver's area.

To further improve vision of the passenger compartment the assembly has at the same time been relocated to the windshield center post.

The procedure in this Bulletin shows how, on field coaches the new model interior rearview mirror assembly can be retrofitted to the windscreen center post.

Service personnel: please read, initial and circulate.

Service Manager	Parts Manager	Warranty Administrator	Workshop Foreman	Service Technician

PARTS AND PRODUCTS:

To retrofit one coach, order one rearview mirror assembly VH 10959088.

The assembly contains following parts (see Figure 1):

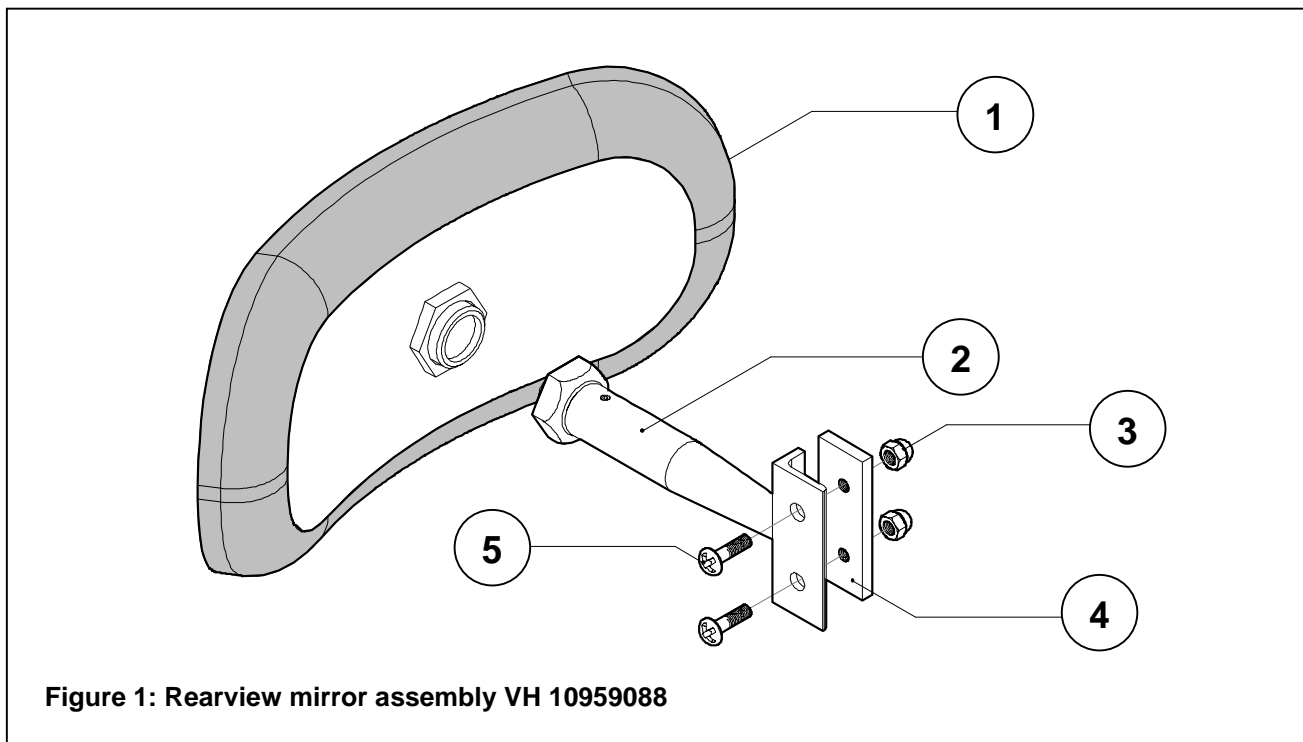


Figure 1: Rearview mirror assembly VH 10959088

VH reference	Description	Pos.	Qty.
VH 10959093	Mirror, interior rearview	1	1
VH 10959000	Support for VH 10959093, includes mirror swivel head	2	1
VH 10958999	Plate, closing for VH 10959000	4	1
VH 660200517	Screw, round head, M6 x 25 mm	5	2
VH 660201100	Nut, acorn, brass	3	2

- New parts will be included in the next Spare Parts Manual update.
- 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 a technician experienced in body and trim repair.
- For more information refer to the Operator's Guide Book.

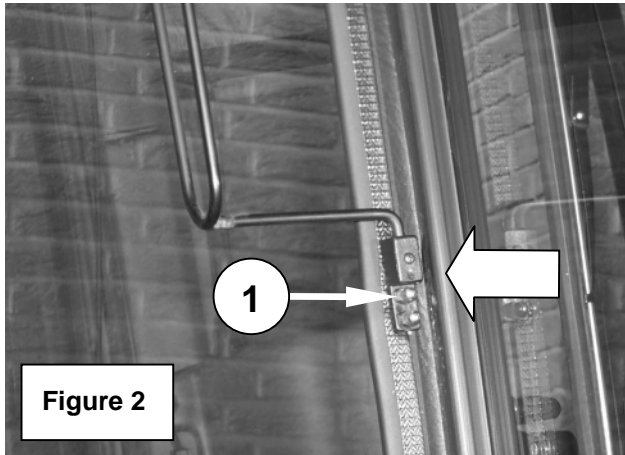
2. Special tools, equipment or services:

- 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 turn off the battery master switch.
- Read the entire procedure before beginning to work and observe safe shop practices at all times.

4. To install rearview mirror assembly VH 10959088:



- 1) Roll-up the blinds.
- 2) At the windscreen center post, locate the blind guide lower mounting bracket (see arrow, Figure 2).



- 2) Starting at the bracket upper mounting bolt (1, Figure 2), measure 21-21/32 inch (550 mm) up the post to determine the position of the mirror support lower edge (see Figure 3).
- 3) At this point, using a utility knife, cut through the trim molding that covers the post. Repeat the process 2-23/64 inch (60 mm) higher and remove the trim piece.

- 5) Place mirror support VH 10959000 against the trim-less part of the post as shown in Figure 4, clamping it temporarily with Vise-grip pliers.



- 6) With the support as a template and using a ¼-inch drill, drill two mounting holes through the T-shaped center post.
Remove the Vise-grip pliers and recover mirror support VH 10959000.
- 7) Assemble the support, the round head screws and the closing plate as shown in Figure 1.
Install the support and the closing plate on either side of the post.
Run the screws through the support and the post into the threaded holes of the closing plate.
Secure hand tight.
- 8) At the closing plate side, run the brass acorn nuts up the screws as shown in Figure 5 and tighten to a torque of 90 in.lbf (10 Nm).

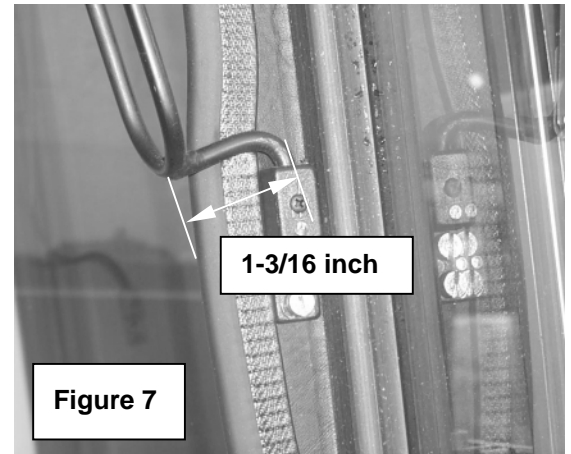


- 9) Place the cup at the back of the mirror over the swivel of the support.
Run-up the large nut and tighten to the point that the mirror can just be moved by hand.

5. To change the blind guide installation:

To provide sufficient clearance and allow full swivel movement of the mirror, the blind guide lower rod should be modified (see Figures 6 and 7).

Proceed as follows:



- 1) Undo and remove the screw and clamp securing the horizontal rod to the center post (see arrow, Figure 6).
Withdraw the rod.
- 2) With a hacksaw, cut-off the bent part, shortening the rod to 1-31/32 inch (50 mm).
- 3) Using the cut-off part as a reference, make a new bend in the part that is still attached to the vertical guide rods, leaving 1-3/16 inch (30 mm) of the rod straight.
- 4) Secure the modified rod to the center post with the clamp and screw (see Figure 7).

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.