

ADDRESSEES	: ABC Customer Care and Parts Source Owners and operators of coaches listed under "Application"
VEHICLE MODEL	: TX40/45, TDX25US, TD925US
MANUAL CHAPTER	: 10.38 Body and accessories - Service door
BULLETIN TYPE	: Product improvement
DATE	: September 28 th , 2018
SUBJECT	: Introduction of new type of entrance door emergency valve
TERMS & CONDITIONS	: This service bulletin does not entitle to any reimbursement.

APPLICATION

As from following units, Van Hool is using a new type of entrance door emergency valve.

Model	VIN
TX40/45	41634
TDX25US	42965

PURPOSE OF ENTRANCE DOOR EMERGENCY VALVE

Emergency valves are fitted near entrance doors, at the inside and outside of the vehicle. The emergency valve allows the actuating cylinder of the relevant entrance door to be depressurized, after which the entrance door can be opened.

WHAT IS DIFFERENT?

- Figures 1 and 2 show a front view of both emergency valves. They look very similar as shown. Mounting holes are identical in positioning and size.



Figure 1: Previous emergency valve (VH11514025)



Figure 2: New emergency valve (VH 11601466)

Continued on next page.

- Unlike the previous emergency valve, the new type has no electric remote reset function. This means that when activated, the new emergency valve must be reset by turning its handle a quarter turn counterclockwise by hand. Pressing the door dashboard switch will not reset the new emergency valve as with the previous version.
- The pneumatic block together with the angular air fittings at the back of the new valve is slightly bigger compared to the previous version valve. This means, whenever a replacement is necessary, the body opening for the emergency valve must be enlarged when this new valve is used on a coach equipped with the previous version emergency valve. This service bulletin gives step-by-step instructions on how to perform this modification.

PREPARATIONS:

- Park the vehicle over a flat inspection pit, with the front wheels in the straight-ahead position. Apply the parking brake. Stop the engine. Switch off all systems and turn off the battery isolation switch on the dashboard. When using mobile column lifts (for vehicles with 3 axles: always use six mobile column lifts) instead of an inspection pit, always lower the suspension first.
- Open the mechanical battery isolation switch.
- Put a "DO NOT START" warning on the instrument panel before starting the works.
- Put chocks in front of and behind the drive axle wheels.
- **Read the entire procedure before starting to work.**



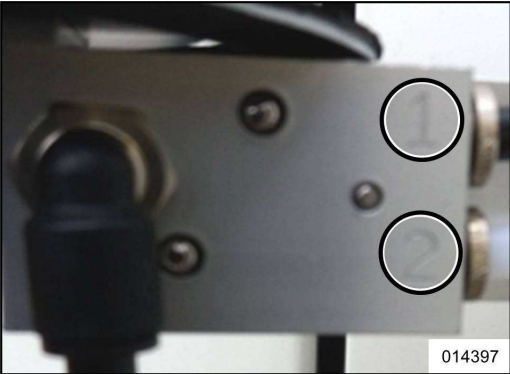
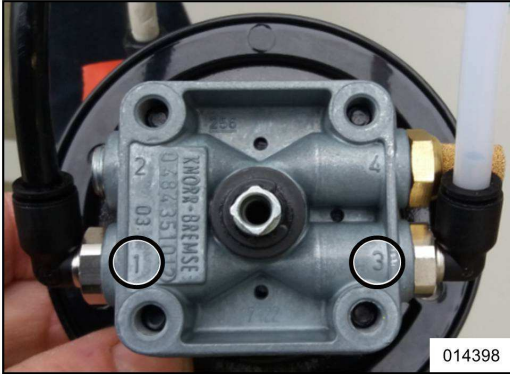

WARNING!

Observe safe shop practices at all times.

PROCEDURE:

Step	Action
1	Drain the compressed-air circuit by means of the drain valve on the accessories tank. For the location of the accessories tank, refer to chapter 13.6 of the maintenance manual.
2	Turn the emergency valve handle clockwise to depressurize the actuating cylinder of the entrance door.
3	Remove the four screws securing the emergency valve to the body.
4	Remove the emergency valve from the body opening until the air-line ports at the back side are accessible.
5	Because the new valve has no remote reset function, disconnect the electrical connector of the remote reset function as follows: <ol style="list-style-type: none"> Remove the cable terminals from the connector. Cut the cable terminals from the conducting wire. Insulate the wire ends separately with a piece of heat shrink tubing. Put the insulated electrical wiring back into the opening.

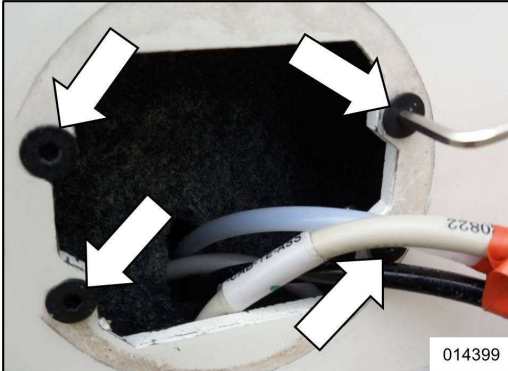

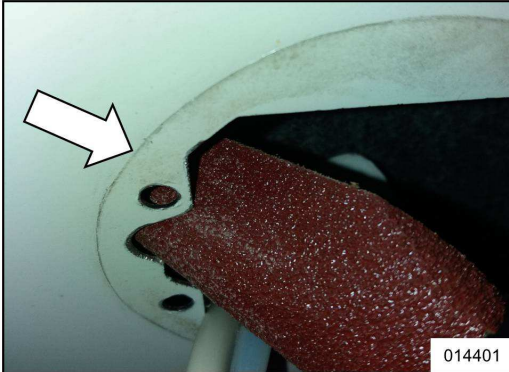
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<p>6</p>	<p>Transfer the air-lines to the ports of the new emergency valve as follows:</p> <ul style="list-style-type: none"> • Connect air line of “port 1” to “port 1” of new valve • Connect air line of “port 2” to “port 3” of new valve <div style="display: flex; justify-content: space-around;"> <div data-bbox="320 309 833 680">  <p style="text-align: right;">014397</p> </div> <div data-bbox="876 309 1388 680">  <p style="text-align: right;">014398</p> </div> </div> <p>Figure 3: Port numbering on previous valve Figure 4: Port numbering on new valve</p>
<p>7</p>	<p>Enlarge the body opening for the new emergency valve as indicated further on under “STEP 7 IN DETAIL”.</p>
<p>8</p>	<p>Install the new emergency valve in the body opening as follows:</p> <ol style="list-style-type: none"> Install the emergency valve into the body opening, starting with the front side as indicated in figure 5. Secure the emergency valve with the four screws. <div style="text-align: right;">  <p style="text-align: right;">014402 Figure 5</p> </div>
<p>9</p>	<p>Charge the air system.</p>
<p>10</p>	<p>Check the emergency valve operation.</p>

End of procedure

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STEP 7 IN DETAIL: To enlarge body opening for emergency valve

<p>7.1</p>	<p>Temporarily reinstall the four mounting screws of the emergency valve. This will prevent the break free and drop down of the mounting ring located at the back of the body opening during the next step.</p>  <p>Figure 5</p>
<p>7.2</p>	<p>To create passage for the angular fitting of port 1, modify the body opening at the rear as follows:</p> <ul style="list-style-type: none">a. By using a round file, enlarge the hole with 0.2 inch as indicated in figure 6.b. Finish the edges with sandpaper as indicated in figure 7.   <p>Figure 6 Figure 7</p>

HELP DESK:

If there are any questions, please call ABC Customer Care & Parts Source toll-free for guidance on 1-877-427-7278. Listen for the prompts for warranty and select that option.

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.

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VAN HOOL CUSTOMER PORTAL:

Consult the customer portal regularly for the latest service documentation. Beside the maintenance manual, you will also find the operating manual and the spare parts catalogue of your vehicle on the customer portal. The customer portal is accessible through www.vanhool.be, and only with a code (password) from Van Hool. If you do not have a password yet, request it by using the link on the Van Hool website.

INFORMATION HANDLING:

Important additions and modifications regarding technical information not yet included in the manual will be communicated through Service Bulletins.

REVISION RECORD	
Description	Date
Initial release	2018-02-22
Edition A: <ul style="list-style-type: none">• Page 2: step 5 changed	2018-09-28