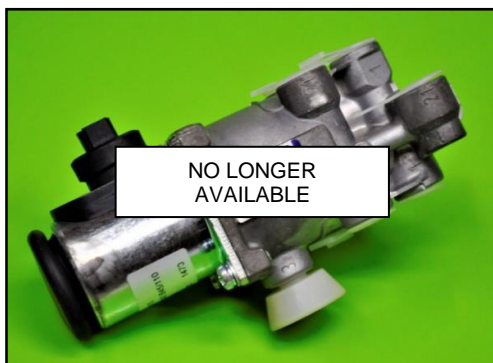


<b>ADDRESSEES</b>	: Owners and operators ABC Customer Care and Parts Source
<b>VEHICLE MODEL</b>	: All coaches
<b>MANUAL CHAPTER</b>	: 13.13 Compressed-air system– Valves
<b>BULLETIN TYPE</b>	: <b>Service information</b>
<b>DATE</b>	: August 16 <sup>th</sup> , 2021
<b>SUBJECT</b>	: <b>Introduction of new 4/2 solenoid valve in compressed-air circuit</b>
<b>TERMS &amp; CONDITIONS</b>	: This document does not entitle to any reimbursement

### INTRODUCTION:

Van Hool has switched over into production to a new type of 4/2 solenoid valve in the compressed-air system. As the previous Knorr-Bremse (Bosch) solenoid valve (VH11102170) is no longer made available as spare part, you will receive a Wabco solenoid valve (VH660526759) when ordering. Both valves are interchangeable, but some differences must be considered. Consult the information in this service bulletin for a proper installation.



**Figure 1: Knorr-Bremse 4/2 solenoid valve (VH11102170)**

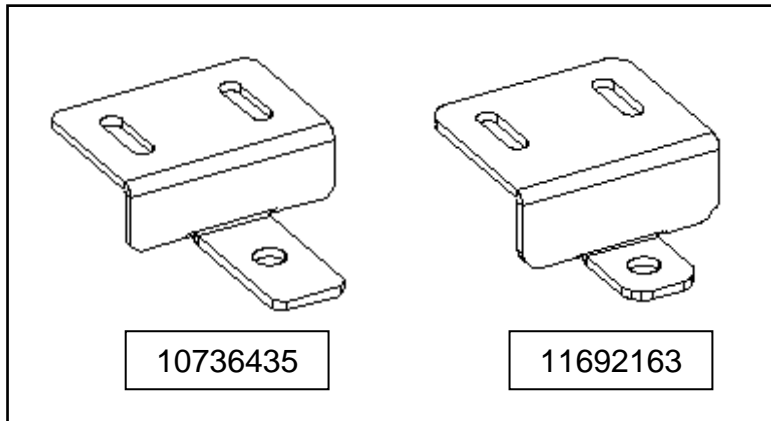


**Figure 2: Wabco 4/2 solenoid valve (VH660526759)**

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## WHAT ARE THE DIFFERENCES?

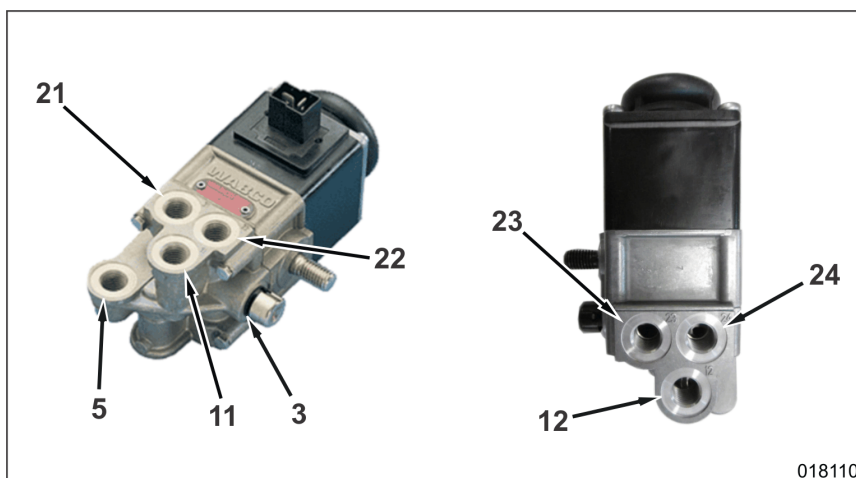
- Location of exhaust port with respect to the mounting stud is different. In case of an installation on a grid, the existing mounting bracket VH10736435 must be replaced by mounting bracket VH11692163. If the valve is installed on a mounting slat, an additional 13/16 inch hole must be drilled in the slat so that the muffler of the exhaust port can pass.



**Figure 3: Mounting brackets (in case of a grid installation)**

- Ports are identical in size, but the distance between the hole centers is smaller. Location and numbering (see table) of the ports are different. This means that the compressed-air lines sometimes need to be extended.

Port ... on Knorr-Bremse valve ..	corresponds with port ... on Wabco valve
1 (top)	11
1 (bottom)	12
21 (top)	21
21 (bottom)	24
21 (side)	5
22 (top)	22
22 (bottom)	23
3	3



**Figure 4: Port numbering on Wabco valve**

*Continued on next page.*

## **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.

## **INFORMATION HANDLING:**

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

## **VAN HOOL CUSTOMER PORTAL:**

Consult the customer portal regularly for the latest service documentation. In addition to 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](http://www.vanhool.be), but 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.