



# SERVICE BULLETIN

SB1355

<b>ADDRESSEES</b>	: Owners and operators of coaches listed under "Application"
<b>VEHICLE MODEL</b>	: CX45
<b>SYSTEM/SUBSYSTEM</b>	: 01.09 Complete vehicle - Automatic fire suppression system
<b>BULLETIN TYPE</b>	: Field Change Program
<b>DATE</b>	: August 25th, 2016
<b>SUBJECT</b>	: <b>To change routing of extinguishing agent hose and check routing of linear detection wire</b>
<b>TERMS &amp; CONDITIONS</b>	: Refer to the warranty section further in this Bulletin

## APPLICATION:

The subject of this Field Change Program is applicable to following units:

<b>Model</b>	<b>VIN</b>
CX45	48232→48249, 48268→48270, 48272→48281, 48283→48287, 48289→48295, 48297→48306, 48309→48314, 48317→48321, 48323→48336, 48341→48344, 48346→48384, 48400→48444, 48455→48484, 48500→48549, 48560→48599, 48625→48674, 48685→48704, 48715→48734, 48745→48894, 48910→48924, 48950→48974, 49000→49002, 49005→49011

## DESCRIPTION:

On the above-mentioned vehicles, one of the extinguishing agent hoses of the automatic fire suppression system is routed in a way that it can be damaged during the installation of the front floor trap above the engine. Therefore this extinguishing agent hose must be re-routed as described in this Service Bulletin. Also the routing of the linear detection line has to be checked and, if necessary, re-routed to avoid possible damage during the installation of the floor trap.

## COMPONENTS AND PRODUCTS:

<b>VH reference</b>	<b>Description</b>	<b>Qty.</b>
660766569	Cable tie (for fixation of extinguishing agent hose)	10
660766565	Cable tie (double, for fixation of linear detection wire)	10

## JOB QUALIFICATION:

The task has to be carried out by an experienced technician, trained in the operations at hand. If you are not sure that you are qualified, contact ABC customer Care.

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## **SPECIAL TOOLS, EQUIPMENT OR SERVICES:**

No special tools equipment or services are needed.

## **PREPARATIONS:**

- Make sure that the parking brake is applied and stop the engine.
- Switch off all systems and turn off the battery isolation switch on the dashboard.
- Open the mechanical battery isolation switch.
- Install a "DO NOT OPERATE" warning message on the instrument panel.
- Put chocks in front of and behind the drive axle wheels.
- Read the entire procedure before starting to work.



## **WARNING!**

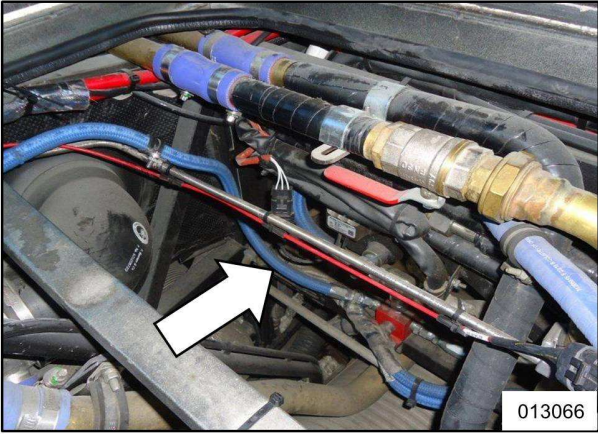

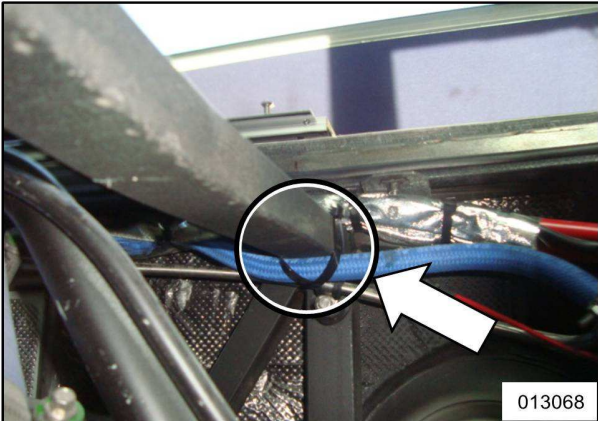
Observe safe shop practices at all times.

## **PROCEDURE**

<b>Step</b>	<b>Action</b>
<b>1</b>	<p>On the inside of the vehicle, open both the floor traps above the engine.</p> <p><i>NOTE: Pay attention to the place of the screws that are used. Do not mix them up at reinstallation!</i></p> <div data-bbox="312 1048 922 1458"><p>012872</p></div> <p><b>Figure 1</b></p>
<b>2</b>	Change the routing of extinguishing agent hose as explained under "STEP 2 IN DETAIL."
<b>3</b>	Check and, if necessary, change the routing of the linear detection wire as explained under "STEP 3 IN DETAIL."
<b>4</b>	Close both the floor traps above the engine. <i>Do not mix fixing screws (refer to Figure 1)!</i>

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**STEP 2 IN DETAIL:** To change routing of extinguishing agent hose

Step	Action
2.1	Disconnect the blue hose indicated in the figure at the adapter of the distributor block.  013066 <b>Figure 2</b>
2.2	Remove both cable ties and remove the blue hose out of the protection sleeve.  013067 <b>Figure 3</b>
2.3	Route the blue hose under the cross-member and secure it with cable ties. Secure the protection sleeve with cable ties.  013068 <b>Figure 4</b>

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2.4

Connect the blue hose at the adaptor of the distributor block.

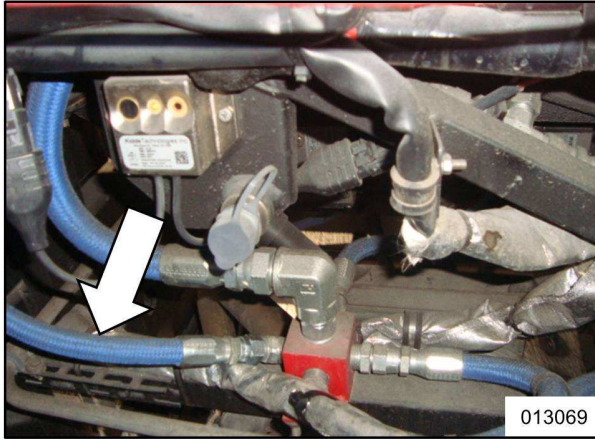
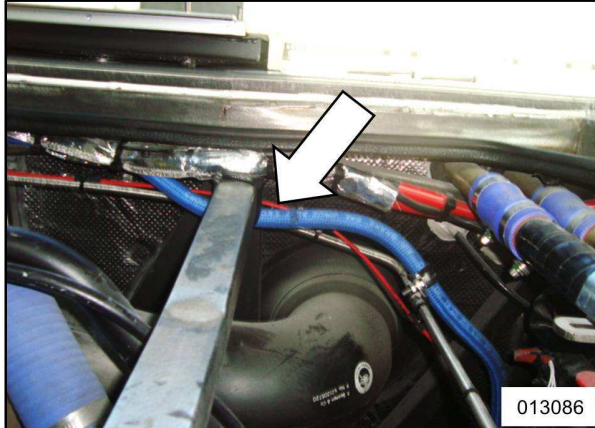


Figure 5

**STEP 3 IN DETAIL:** To check routing of linear detection wire

Step	Action
3.1	<p>Is the red linear detection wire routed under the cross-member as indicated in the figure?</p> <ul style="list-style-type: none"><li>• If so, continue with step 4 of the procedure.</li><li>• If not, go to step 3.2.</li></ul> 
3.2	Disarm the fire suppression system by disconnecting the extinguisher cylinder from the vehicle harness.

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<p><b>3.3</b></p>	<p>Change the routing of the red linear detection wire as follows:</p> <ol style="list-style-type: none"> <li>Disconnect connector (2) of the red linear detection wire.</li> <li>Remove the cable ties securing the red linear detection wire.</li> <li>Route the red linear detection wire under cross-member (1).</li> <li>Secure the linear detection wire with cable ties 660766565 from the kit.</li> </ol> <div data-bbox="395 383 1235 981" style="text-align: center;"> </div> <p style="text-align: right;"><b>Figure 7</b></p>
<p><b>3.4</b></p>	<p>Rearm the fire suppression system by reconnecting the extinguisher cylinder to the vehicle harness.</p>

*End of procedure.*

**WARRANTY:**

**1. Terms and conditions:**

Van Hool/ABC-Companies will accept warranty claims for this inspection/repair as follows:

**Parts:** -

**Labor allowance:** 0.5 hours of labor will be awarded per vehicle

**Campaign/expiration date:** Service Bulletin issue date + 1 year

**2. Claim references:**

- Job code: O05020N

**Claim submission:** Contact ABC Customer Care Warranty Department for guidance.

**Monitoring and performance:** The claim records pertaining to this Bulletin will be used to determine that the remedy has been executed in accordance with the manufacturer's instructions and to evaluate the status of this Field Change Program.

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### **INFORMATION HANDLING:**

Important supplements and modifications of technical information not yet included in the manual are communicated by means of Service Bulletins.

### **VAN HOOL CUSTOMER PORTAL:**

Consult the Van Hool customer portal 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](http://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.