

ADDRESSEES	: Distributors and service points
VEHICLE MODEL	: CX35 MY2020, CX45 MY2020
MANUAL CHAPTER	: 10.21 Body and accessories – Instruments
DATE	: October 23 th , 2019
SUBJECT	: Replacement of pull-down resistors in interior lighting circuit

APPLICATION

This work procedure applies to the following CX35 MY2020 and CX45 MY2020 vehicles:

Vehicle model	Construction number
CX35 MY2020	49983→49987, 49989→49990, 49993→49994
CX45 MY2020	81461, 81463, 81474, 81540 → 81559, 81579 81581 → 81587, 81590 → 81594, 81596→81600

DESCRIPTION:

Van Hool has noticed a problem with the heat dissipation of the pull-down resistors used in the interior lighting electrical circuits. To address this issue, ABC Companies should modify the above mentioned vehicles before delivery according to the step-by-step instructions mentioned in this work procedure.



Figure 1: Location of pull-down resistors R515.1 up to and including R515.4 in junction box EKV on CX35 MY2020 (New situation shown! R515.1 → R515.4 replaced)

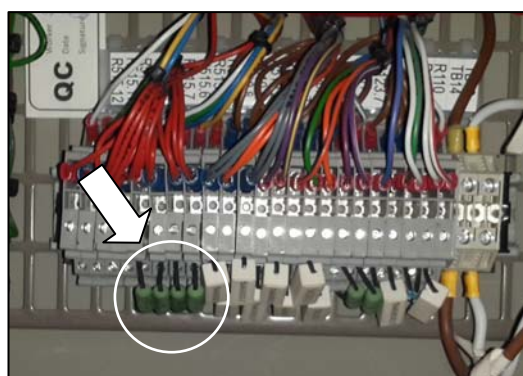


Figure 2: Location of pull-down resistors R515.5 → R515.12 in junction box EKA on CX35 MY2020 (New situation shown! R515.5 → R515.8 replaced; R515.9 → R515.12 removed)

JOB QUALIFICATION:

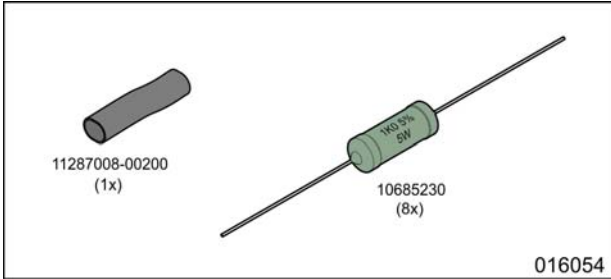
The task has to be carried out by an experienced automotive technician, trained in electrical works.

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JOB TIME/JOB CODE:

- Job time: 1 hour
- Job code: O21160V

COMPONENTS:

Components of retrofit kit VH11703096		
 Figure 3		
VH reference	Description	Quantity*
10685230	Resistor 1K Ohm/5W	8
11287008-00200	Heat shrink tubing (length: 20 cm/8 inch)	1

* Sufficient for one vehicle

PREPARATIONS:

- Park the vehicle on a level floor. Apply the parking brake. Switch off the engine
- Switch off all systems and turn off the battery master switch on the dashboard.
- Put a "DO NOT START" warning message on the instrument panel before starting the checks or repairs.
- Read the entire procedure before starting to work.



WARNING!

Observe safe shop practices at all times.

PROCEDURE:

Step	Action
1	In the battery compartment: turn the mechanical battery isolation switch in the battery compartment to the "OFF" position.
2	Insulate the two wire leads of each 1K Ohm/5W resistor from the kit with some heat shrink tubing from the kit so that only approx. 1 cm (0.4 inch) remains free for connection.
3	In junction box EKV: replace the 560 Ohm/5W resistors R515.1 up to and including R515.4 by the 1K Ohm/5W resistors from the kit.
4	In junction box EKA: remove the 560 Ohm/5W resistors R515.5 up to and including R515.12 . Install the four remaining 1K Ohm/5W resistors from the kit on the positions R515.5 up to and including R515.8 . The resistors R515.9 up to and including R515.12 will not be remounted because the RGB lighting option is not installed on these vehicles.

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5	Register the works by means of the registration button located behind work procedure WP1160 on the Van Hool customer portal. Write the text "WP1160 executed" in the "Remark" field. Labour allowance will only be awarded after registration of the works.
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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.

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, 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.