

ADDRESSEES	: Distributors and service points
VEHICLE MODEL	: CX35 MY2020, CX45 MY2020
MANUAL CHAPTER	: 10.42 Body and accessories – Instrument panel
DOCUMENT TYPE	: Informative
DATE	: December 10 th , 2020
SUBJECT	: To load new program and parameters into digital instrument panel (MVP)

JOB QUALIFICATION:

The task has to be carried out by an experienced automotive technician, having at his disposal a LOGENA user name and password to load the new program and parameters into the digital instrument panel (MVP).

PREPARATIONS:

- Park the vehicle on a level floor. Apply the parking brake. Stop the combustion engine. Switch off all systems and turn off the battery isolation switch on the dashboard.
- Install a "DO NOT OPERATE" warning message on the steering wheel.
- Put chocks in front of and behind the front-axle wheels.
- **Read the entire procedure before starting to work.**



WARNING!

Observe safe shop practices at all times.

SPECIAL TOOLS:

- Diagnostic software "LOGENA SERVICE TOOL (LST)"
- "USB/PCAN" adapter module VH11294549 (with USB connecting cable for laptop)
- Connecting cable VH11694789 for OBD diagnostic socket
- USB hardware key VH11695699

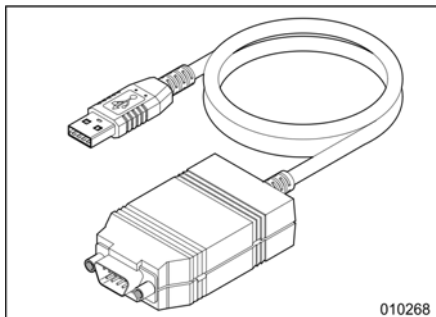


Figure 1: "USB/PCAN" adapter module (VH11294549)



Figure 2: Connecting cable (VH11694789)



Figure 3: "USB hardware" key (VH11695699)

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PROCEDURE:

Step	Action
1	Download program directory "...MVP PROGRAM..." onto the laptop. This directory is made available by Van Hool through the customer portal under the "SOFTWARE" section.
2	Download parameter directory "...PARAMETERS MVP..." onto the laptop.
3	Only if you have never used the "USB/PCAN" adapter module: download directory 11752120 onto the laptop. The directory is made available by Van Hool through the customer portal under the "SOFTWARE" section.
4	Only if you have never used the "USB/PCAN" adapter module: install the "PEAK" driver on your laptop as described under "STEP 4 IN DETAIL".
5	Only if the "LOGENA SERVICE TOOL" software is not yet installed on your laptop: download directory 11726364 onto the laptop. The directory is made available by Van Hool through the customer portal under the "SOFTWARE" section.
6	Only if the "LOGENA SERVICE TOOL" software is not yet installed on your laptop: install the "LOGENA SERVICE TOOL" software on your laptop as described under "STEP 6 IN DETAIL".
7	Connect the laptop to the OBD diagnostic socket by means of the "USB/PCAN" adapter module and the connecting cable as described in "STEP 7 IN DETAIL".
8	Load the new program into the instrument panel as described in "STEP 8 IN DETAIL".
9	Load the new parameters into the instrument panel as described in "STEP 9 IN DETAIL".
10	Check if the program and parameters are correctly loaded into the instrument panel. Refer to the maintenance manual, chapter 11.1, under "Identification of the programs".

End of procedure.

STEP 4 IN DETAIL: To install "PEAK" driver

Step	Action
4.1	Navigate to the directory 11752120 that you have downloaded through the customer portal.
4.2	Doubleclick on file "PEAKOEMDRV.EXE".
4.3	Click on "NEXT".
4.4	Tick "I ACCEPT THE TERMS IN THE LICENCE AGREEMENT" and click on "NEXT".

STEP 6 IN DETAIL: To install "LOGENA SERVICE TOOL" software

To install the "LOGENA SERVICE TOOL" software, you will need 3 different installation programs, located in the directory that you have downloaded through the customer portal:

- "HASPUserSetup.exe"
- "Logena.ServiceTool.Install.exe"
- "Logena.ServiceTool.Plugin.MVP.Setup.exe"

Step	Action
6.1	Navigate to the directory 11726364 that you have downloaded through the customer portal.
6.2	Double-click on the "HASPUserSetup.exe" file and follow the instructions.
6.3	Double-click on the "Logena.ServiceTool.install.exe" file and follow the instructions.
6.4	Double-click on the "Logena.ServiceTool.Plugin.MVP.Setup.exe" file and follow the instructions.

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6.5	Download "TeamViewer QuickSupport" through www.teamviewer.com .
6.6	Address your usual contact person at the Service Department to configure the software from a distance.

STEP 7 IN DETAIL: To connect laptop to OBD diagnostic socket

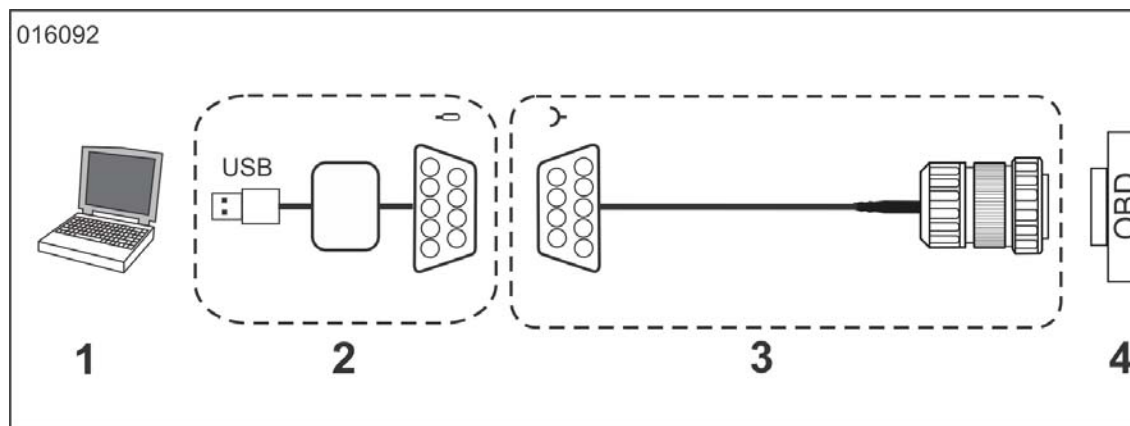


Figure 4: Connecting diagram

1. Laptop
2. "USB/PCAN" adapter module
3. Connecting cable for OBD diagnostic socket
4. OBD diagnostic socket

Step	Action
7.1	Connect cable (3) to the OBD diagnostic socket (4).
7.2	Connect adapter module (2) to cable (3).
7.3	Connect adapter module (2) to the laptop.

STEP 8 IN DETAIL: To load new program into dashboard node

The new program is located in the **program** directory that you have downloaded through the customer portal. This directory contains the following file: XXXXXXXX VERSION AXX.ZIP.

Step	Action
8.1	Switch on the battery isolating switch on the dashboard.
8.2	Connect the "USB hardware" key to the USB port of your laptop.
8.3	Open the "LOGENA SERVICE TOOL" software on your laptop.
8.4	Enter your Logena user name and password. Click on "LOGIN".
8.5	Click on the button below and select "MVP".



Figure 5

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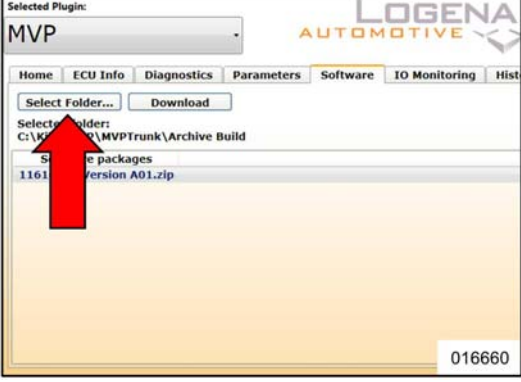
8.6	Click on "SOFTWARE".  016659
8.7	Click on "SELECT FOLDER".  016660
8.8	Double-click on "XXXXXXXXX VERSION AXX.ZIP" file.
8.9	Click on "DOWNLOAD".

Figure 6

Figure 7

STEP 9 IN DETAIL: To load new parameters into digital instrument panel

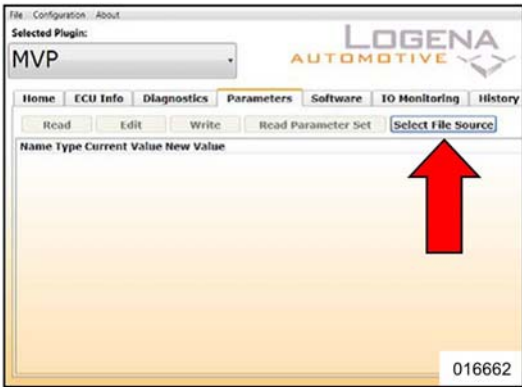
To load new parameters into the digital instrument panel, you will need:

- the new parameter file (extension "XML"), located in the **parameter** directory that you have downloaded through the customer portal and...
- an "offloaded data transfer" file (extension "ODX"), located in the **program** directory that you have downloaded through the customer portal.

Step	Action
9.1	Click on "PARAMETERS".  016661

Figure 8

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9.2	Click on "SELECT FILE SOURCE".	 016662
9.3	Select "LOCAL FILE" and click on "LOAD FILE".	
9.4	Navigate to the program directory that you have downloaded from the customer portal and double-click on the "XXXXXXXXX_AXD.ODX-D" file.	
9.5	Click on "READ".	 016663
9.6	Click on "READ PARAMETER SET".	 016664
9.7	Navigate to the parameter directory that you have downloaded from the customer portal and double-click on the "XXXXXXXXX PARAMETERS.XML" file.	
9.8	Click on "WRITE".	

End of procedure

HELPDESK:

If you have any more questions, address your usual contact person at the Service Department.

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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.

INFORMATION HANDLING:

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

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.