Volvo Chassis - ABS Controller Programming 🖞 🎵

Program ABS controller

Configuration operation found in Tech Tool. The operation will download a configuration file for the connected vehicle and initiate configuration of the ESP feature via the Bendix® Vendor Configuration Program (VCP).

A specific Bendix® VCP package for Tech Tool must be installed on the PC prior to performing an ESP configuration. This software is not installed as part of Tech Tool and therefore must be downloaded and installed separately. The Bendix® VCP installation can be found on the Trucks Dealer Portal website.

* This installation file may be updated at any time and should be downloaded only from the **Trucks Dealer Porta**l website.

Download Instructions:

1. Login to Trucks Dealer Portal (TDP)

/22, 9:





2. Under the UPTIME tab select the Software Downloads option or click here

UNITED STATES	R PORTAL	*	•	3 SUPPORT	
Information	Events	Forms	Contact Us	Applications	
Bulletins	Parts > DEX	Service > Electric Vehicles	Truck S ≻ Invento	tales ary	
Buses Dealer Administration > Brand Center > Dealer Ranking > Dealer System Administration > Policies & Standards	Incentive Programs PartsASIST Pricing Promotions Road Choice® Supplier Commit Programs Vendor Ordering Instructions	 > Essential Tool Program > Recalls > Service Literature > Software Downloads > Tech Support > Uptime Services 	> Policie Protect > Remart > Sales F > Sales F > Sales F > Toolkit	s tion Plans & Service C keting Programs Resource Library s	
Leasing & Rental > Membership > Programs > Rate Sheets & Guides > Warranties/Protection Plans	> Volvo Genuine Parts > Volvo Reman	Training A Workflow Resource DATE Program Technical Education Su	Warran	ty ales	



3. Select Bendix VCP link to download the latest installation

Software Downloads

Downloads & Links:

<u>TeamViewer - Remote Connection</u> - allow your retail support agent to connect to your desktop in order to assist you

If the TeamViewer link above does not download for you, please copy this URL into a new browser window: http://download.teamviewer.com/download/version_10x/TeamViewer_Setup

.exe

RollTek Seat Service Software

Sun Java Runtime Environment - used for Java applications

PTT Downloads:

Premium Tech Tool Website

<u>Bendix VCP (v.3.0.40) - January 6, 2022</u> (VCP Installation Instructions are included in the zipped file that you will download.)

Dearborn Adapter Drivers

Nexig Driver Support

Noregon DLA 2.0

Noregon DLA 2.0 Wireless

Noregon DLA

Noregon DLA Wireless

Noregon DLA PLC

Movimento Driver

4. Save the .zip file in a location on the PC that is easy to find - for _____ Live UI le, "C:\Temp" or the Desktop.

Article

verve Ássets v		Q Assets, folders, and collections	θ
← Back Folders > Bendix.Software	Bendix Software		
Metadata Related assets 2			
ASSET INFORMATION Expand ()			
	_		
			🖞 Share
		\rightarrow	Download >
			Print >
		0	Asset info 🚥

Software Installation:

CAUTION: If the **Bendix® Vendor Configuration Program** or **ABS6 Vendor Configuratio Program** is already installed on PC - it must be removed prior to installing a new version.

Removal Instructions:

1. Go to the 'Control Panel' in Windows – double click on 'Add or Remove Programs'.

2. In the list of currently-installed programs find **Bendix® ABS6 Vendor Configuration Program** or **Bendix® vendor configuration Program** - right click and select 'Remove/Uninstall'

3. Follow the prompts guiding you through the uninstall process.- Once version has been removed – the new version can be installed.

Article

Bendix (VCP) Installation:

- **1.** Go to the location where the .zip was saved
- 2. Open the zip file and double click the **BendixSoftware.exe** file.

Note: It may be necessary to extract the file to a temporary location before running the .exe file.

3. Right click on the .zip file and "extract" it to a temporary location.

4. Go to the temp location, find the Bendix Vendor Configuration Program VM.exe file and double- click it.

5. Follow the installation instructions used in the default settings.(Additional components used by **Bendix® VCP** will be installed if they are not on the PC)

Note: A message will be shown if an additional required component is not installed on the PC. [see figure 2]



Sendix Vendor Configuration Program - InstallShield Wizard		
Bendix Vendor Configuration Program requires the following items to be installed on your computer. Click Install to begin installing these requirements.		
Status	Requirement	
Pending	Microsoft Visual C++ 2012 Redistributable Package (x86)	
	Cancel	

Figure 2

6. Click 'Install' to **install** the component; selecting **'Cancel**' will abort the installation.

7. When the component installation finishes, the installation will continue. Click **'Next'** to proceed. [see figure 3]





Network Connection at the Vehicle

In order to perform the ESP Control Unit Configuration operation, it must be possible to connect to the vehicle and the Central Systems at the same time. Therefore, it must be possible for

the PC to have a network (LAN or Wi-Fi) connection while also connected to the vehicle's diagnostic connector.

Performing ESP Control Unit Configuration

Live UI

connect the PC to the vehicle's diagnostic connector and complete the

Article

vehicle identification process displayed in Tech Tool's **'PRODUCT'** tab.

(Make sure that the PC has the possibility to connect to Central Systems via a network/internet connection).Select the "Calibrate" tab and expand group '5 – Brakes' and open the **'ESP Control Unit Configuration'** operation. [see figure 4]

Tech Tool Links Help	2
Product Product History Diagnose Test Ca	ibrate Program
Calibrate	5931-07-03-20 - ESP Control Unit Configurati
Select an operation and click Start	To run the operation in simulation mode, select Run as simulated Run as simulated
 1 - Service and maintenance 2 - Engine, Engine mounting and equipment 3 - Electrical system and instruments 4 - Transmission 5 - Brakes 5931-07-03-20 - ESP Control Unit Configuration 6 - Axles, suspension and steering 7 - Frame, springs, shocks and wheels 8 - Body, cab and interior 9 - Miscellaneous 	The purpose of this operation is to configure a replacement antiloc brake system (ABS) control unit for a vehicle that has a parameter (PAR) file stored in Central Systems. Some ABS systems require configuration based on certain characteristics of the vehicle that is installed in. Vehicle configuration data is generated when the vehicle is built and is stor in the Central Systems. The data must be retrieved and programme into the replacement ABS control unit in order for the system to function correctly. Connect the replacement ABS control unit to the vehicle before starting the operation.
	Start > Cance

Figure 4

The ESP Control Unit Configuration operation is structured as a checklist of actions, similar to control unit software programming operations. [see figure 5]

Tech Tool Links Help	
Product Product History Diagnose Test Calibrate Pr	rogram
ESP Control Unit Configuration The purpose of this operation is to configure a replacement antilock brake	Connection to the control unit Authorization
system (ABS) control unit for a vehicle that has a parameter (PAR) file stored in Central Systems.	Communication with the central systems in progress Programming parameters
Some ABS systems require configuration based on certain characteristics of the vehicle that it is installed in. Vehicle configuration data is generated when the vehicle is built and is stored in the Central Systems. This data must be retrieved and programmed into the replacement ABS control unit in order for the system to function correctly.	Parameters programmed Communication with the central systems in progress Saving to a job card Operation complete
Connect the replacement ABS control unit to the vehicle before starting the operation.	
Note: This operation requires an external program to be installed. This Vendor Configuration Program (VCP), can be downloaded from the Trucks Dealer Portal (TDP), which can be accessed from the Tech Tool menu.	
Note: An RP1210A-compliant communication adapter must be used for this operation.	

Start the operation by clicking the start button in the toolbar. After the conditions are confirmed, the operation will read data from the vehicle. A connection to Central Systems will be made in order to download the ESP system configuration file for the connected vehicle. After the ESP system configuration file is downloaded, a configuration window containing a status bar will appear while the ESP control unit is configured. [see figure 6]

ECU will be restarted and the configuration window will disappear

when its task is complete and the process will continue in the main operation window.

Tech Tool Links Help	
Product Product History Diagnose Test Calibrate Prog	gram
 Image: Control Unit Configuration ESP Control Unit Configuration The purpose of this operation is to configure a replacement antilock brake system (ABS) control unit for a vehicle that has a parameter (PAR) file stored in Central Systems. Some ABS systems require configuration based on certain ch the vehicle that it is installed in. Vehicle configuration data is the vehicle is built and is stored in the Central Systems. This retrieved and programmed into the replacement ABS control the system to function correctly. 	Connection to the control unit Authorization Communication with the central systems in progress Programming examples COMMUNICATING
Connect the replacement ABS control unit to the vehicle before starting the operation.	
Note: This operation requires an external program to be installed. This	
Note: This operation requires an external program to be installed. This Visite Conference (VCP) and be demolected from the Taraba Figure 6	

After the configuration is complete, the configuration window will be closed and another connection to Central Systems will be made in order to send a confirmation that the configuration has been completed successfully.

Once the configuration has been completed verify that the sysyem air is fully charged. Apply ignition power and wait 30 seconds. Perform a full application of service brake and hold for 5 seconds. Release the service brake. Check for fault codes with ACOM.

💭 Live UI

Tags
Tags

abs controllerabs programmingbendixvcpvendor configuration programabs ecu

abs ecu programming

Related links and attachments

No links or attachments available

Feedback

Give feedback

to help improve the content of this article

