



Volvo Chassis - Equipped With A Body Builder Module (BBM) - Bodybuilder Applications Receiving Erratic Vehicle Road Speed Signal; Vehicle Speed Reading Incorrectly From BBM At Low Road Speeds Or When Stationary, Jumping/Spiking/Changing Reading Dur



> Internal Content

A. Update the Body Builder Module Main Software (MSW) to Part Number 23446669 (current as of July 2018) or Higher (If available).

1. In Premium Tech Tool (PTT), run Operation [1700-08-03-39 Program Electronic Control Unit](#). The operation can be found under the Program tab.
2. Select the BBM from the list of ECUs.
3. Make sure "Update ECU with latest software" is selected under Programming Options.
4. Press the Program button in the lower right-hand corner of the screen.
5. Allow the programming operation to complete.

B. Set Vehicle (System) Date And Time.

1. Run PTT Operation [1700-22-03-02 System Date and Time](#). The operation can be found under the Program tab.
2. More information can be found in CBR Solution [CBR-529](#).



Tags

[k33997396](#)

[volvo](#)

Related links and attachments

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System Date And Time, Information; Diagnostic Tool (J-Pro, Premium Tech Tool (PTT)) Displays Incorrect Timestamp For Diagnostic Trouble Code (DTC) / Fault Code Occurrences, Possible Data Link Codes Present - US07 And Newer Emissions, Common Mod



> Internal Content

Overview

Incorrect time and date timestamps are caused when the Vehicle Date and Time are not set or set incorrectly. The Vehicle Date and Time are stored in the Instrument Cluster (MID 140) and are separate from the Display Date and Time, which is visible on the Driver Information Display (DID).

Multiple modules have internal clocks that compare values with the Vehicle value. **Incorrect Vehicle Date and Time can result in conflicts between Control Modules, resulting in possible faults/codes. Examples are: Data Link DTCs, P2080, P2094 and P242B**

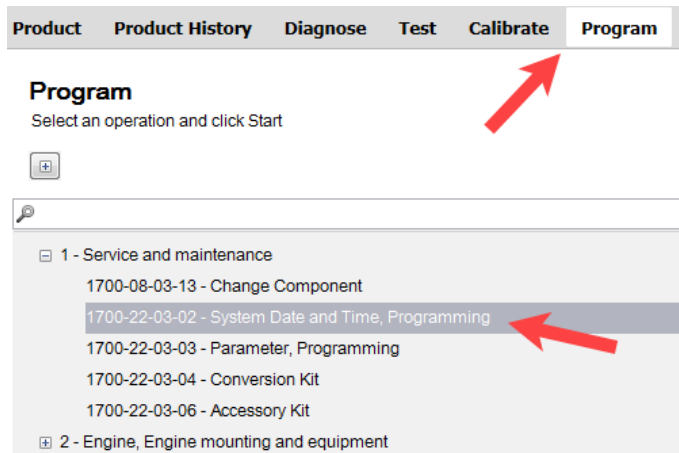
If the Instrument Cluster is programmed, the System Date and Time are cleared in many cases and need to be re-entered. System Date And Time will need to be checked after programming the Cluster using the programming operations described below.

Repair

A. Program the System Date and Time

- For Pre-OBD (US07 and US10 Emissions, Model Years 2008 to 2013 with a 9-pin diagnostic connector):

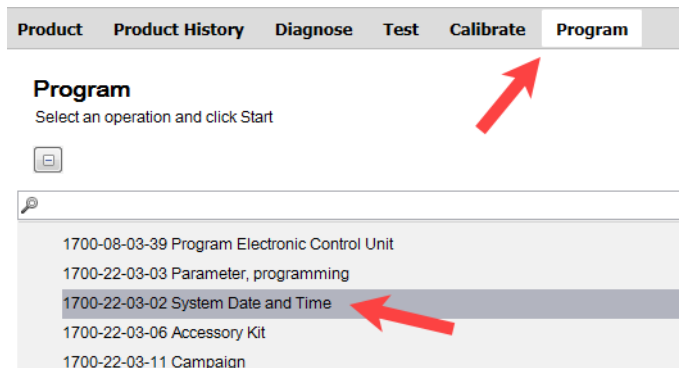
1. Run Operation [1700-22-03-02 System Date and Time, Programming.](#)



- **Note:** If the computer date and time is used (preferred method to manual entry), ensure that computer date and time are correct

- For OBD (US10+OBD13 Emissions, Model Years 2014 and newer with a 16-pin diagnostic connector:

1. Run Operation [1700-22-03-02 System Date and Time](#).



- **Note:** If the computer date and time is used (preferred method to manual entry), ensure that computer date and time are correct



Tags

- [p204900](#)
- [p208064](#)
- [p242b64](#)
- [mid 140](#)
- [k11533602](#)
- [p2049-00](#)
- [p2080-64](#)
- [p242b-64](#)
- [cu15](#)
- [cu12 cng](#)
- [cu9 cng](#)
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BRADLEY PICKENS

ProductProduct HistoryDiagnoseTestCalibrateProgramImpact

Program

Select an operation and click Start

1700-08-03-39 Program Electronic Control Unit

1700-22-03-03 Parameter, programming

1700-22-03-02 System Date and Time

1700-22-03-06 Accessory Kit

1700-22-03-11 Campaign

1700-22-03-12 Replace Hardware

1700-22-03-13 Program with Stored Software

1700-08-03-40 Handle Component

1700-22-03-14 Synchronize electronic control unit data

3810-22-03-10 Change Language

3837-22-03-01 Odometer programming

1700-08-03-39 Program Electronic Control Unit

It is not possible to run this operation in simulated mode

Description

This operation updates control units with new software versions. All updates that are available for the product are presented. Control units that are not presented already have the latest software installed.

To reinstall the same software version in a control unit, use operation Replace hardware. The operation can be run without replacing the hardware. It will instead reinstall the same software in the existing hardware.

Parameter values will be transferred to the new software.

Note:

DTCs in the programmed Electronic Control Units will be cleared

Note:

It may be necessary to perform calibrations after an Electronic Control Unit has been programmed

Start >

Chassis ID: N 890533 VIN: 4V4NC9EHXJN890533 Work Order: 000000

ProductOnline

9:55 AM

11/30/2021

Available updates

☒ Software Package	Status
☐ Information display (MID 140)	 Blocked
☐ Gearselector ECU (MID 223)	 Blocked

1700-08-03-39 Program Electronic Control Unit

 Simulation

This operation shows all updates that are available for this product.

Select the software packages for the control units to be updated and then click Program to start.

To reinstall the same software version in a control unit, exit the operation and select the operation Replace hardware.

When multiple software packages are selected, there will be a request to run a key cycling after each package.

Package status information

If a software package requires attention, a symbol is shown in the Status column.

 Blocked software package

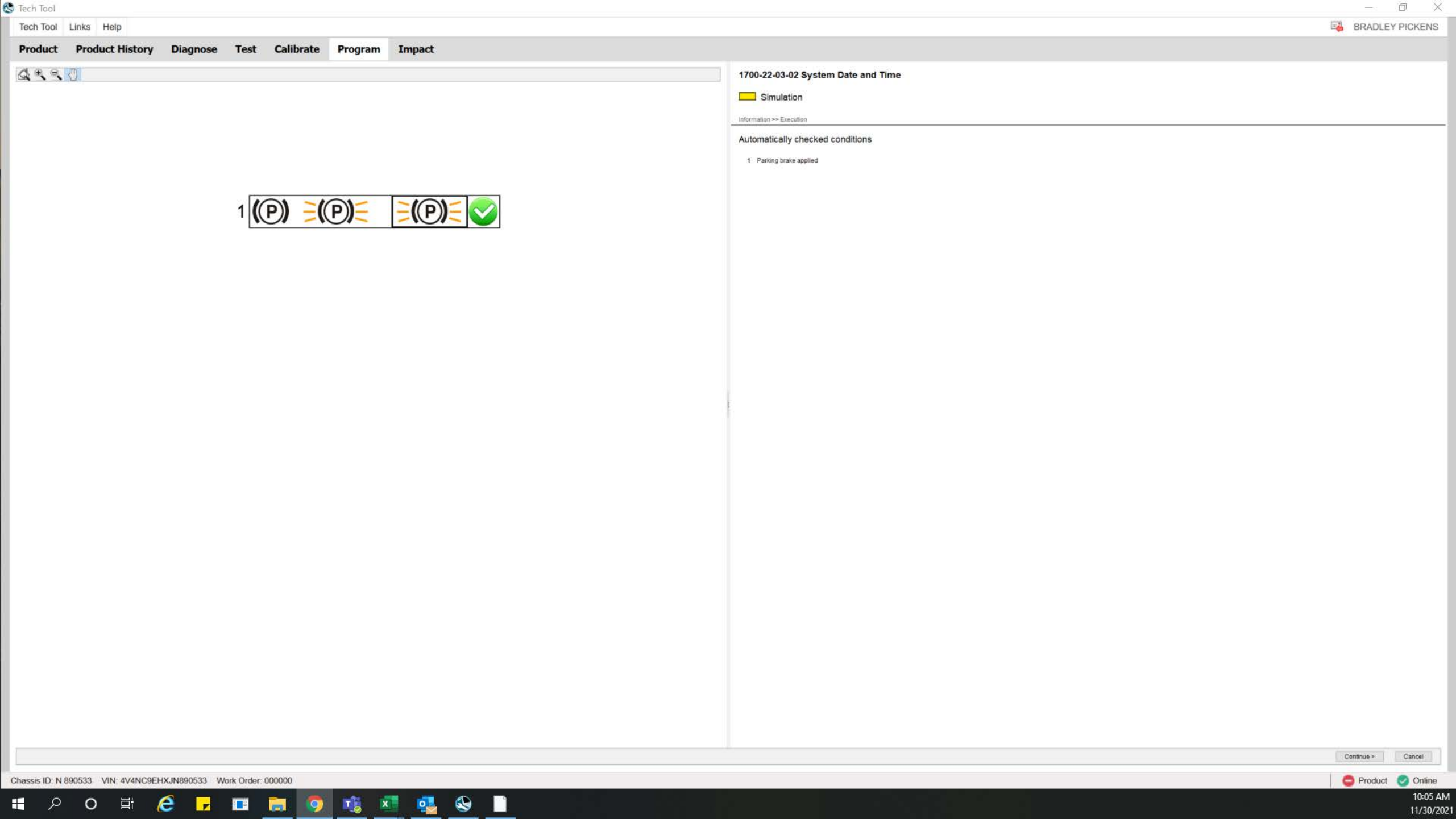
The software package cannot be applied. Software packages can be blocked due to control unit data mismatches. Go to Product Identification and look for information about mismatches in Product Status. If you are interested in a software package that is blocked, and no reason for the block can be found in Product Status, then please contact help desk.

Control unit calibration

It may be necessary to perform calibrations after an Electronic Control Unit has been programmed.

☒ I have read and understand the above advisory.

Program Cancel



1700-22-03-02 System Date and Time

Simulation

Information >> Execution

Automatically checked conditions

- 1 Parking brake applied



Local computer date and time



Tue Nov 30 10:06:35 EST 2021

System date and time



Sat Jan 01 00:00:00 EST 2000

1700-22-03-02 System Date and Time

Simulation

Information >> Execution

Action

1

Select date and time to program

- ☒ System date and time
☐ Display date and time

2

Select method to program date and time

- ☒ Use local computer date and time settings (recommended)
☐ Manually enter date and time

Note: Local computer date and time must be correct and set to the local time zone before programming

Save new date and time

3

After programming a new system date and time, verify that display date and time is correct. If it is not correct, program display date and time as well

Evaluation

- Ignition key in **OFF** position
- Wait 10 seconds
- Ignition key in **ON** position
- Does the new values appear as current date and time?

Test result

Select one of the following alternatives

- ☐ OK
☐ Not OK

Continue >