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ID # CBR-399

Version 11

Title

Vehicle Overspeed Warning Comes Active At A Lower Speed Than Expected; Vehicle Overspeed Warning In Driver Information Display (DID) - Model Year 2018 And Newer With New Style Instrument Cluster

Abstract

For 2018 and newer chassis, the vehicle overspeed alert may come active before the programmed speed limit is reached.

Content

Published Date - 10/19/2023

Model Years -

Mack - AM, CHU,CXU,PI,LR,GR,MRU,TE Volvo - VNL,VNR,VNX,VAH,VHD

The Vehicle Overspeed Threshold is set with parameter (VECU4) ZX5, (VECU5) P1UWE and Driver overspeed warning default trigger is set with parameter ROS. These parameters may be set at a low enough value that road speed limit is higher. This issue is most likely to occur following changes made to the road speed limit with pedal and/or cruise.

If the vehicle overspeed alert is activating at too low of a speed on a VECU4 chassis follow steps below:

- **1.** In Premium Tech Tool (PTT), run Operation 1700-22-03-03 Parameter Programming. The Operation can be found under the Program tab.
- 2. Locate and review the value of parameters specified below:

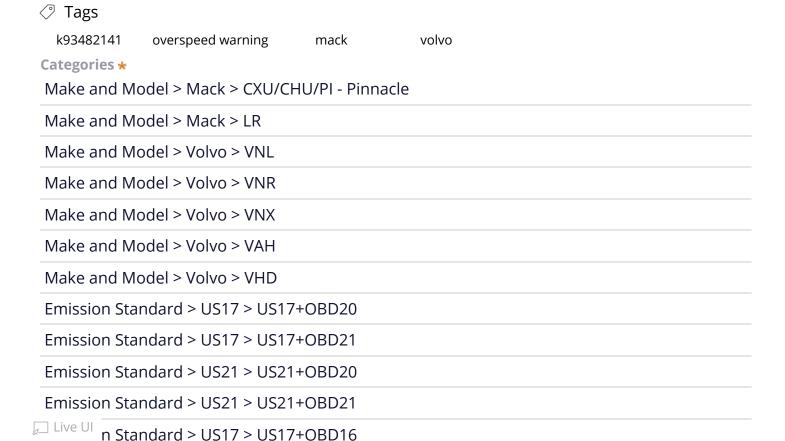
VECU4	VECU5
☐ Live UI	/ECU - P1UWE
KUS	√ECU - P1C7R

VECU4	VECU5
	mid 140 - ROS (Older Cluster)
	SA18 - P1X7R (Newest Cluster)

410	LOV Hard Drawing Threshold	-12.421424	0.0000000000	U.UUUUUUUU	HIIICONII.
ZXA	LOV Engine Overspeed Company Threshold	500.000	0.000	3500.000	r/min
ZX5	Vehicle Overspeed Threshold	0.00000000	86.000	158.452085	mph
ZX2	Venicie Overspeed Ali Threshold	U.UUUUUUUL	0.000000000	158.452085	mph
7\\\\\\	Fuelled Engine Overgood Threehold	500.000	0.000	2500.000	r/min

3. Set the value for the parameters listed above higher than the values for the other road speed limits.

Note: The maximum value that the specified parameters should be set to is 86 mph (138 km/h). Setting the value higher may cause other issues.



Emission Standard > US17 > US17+OBD18

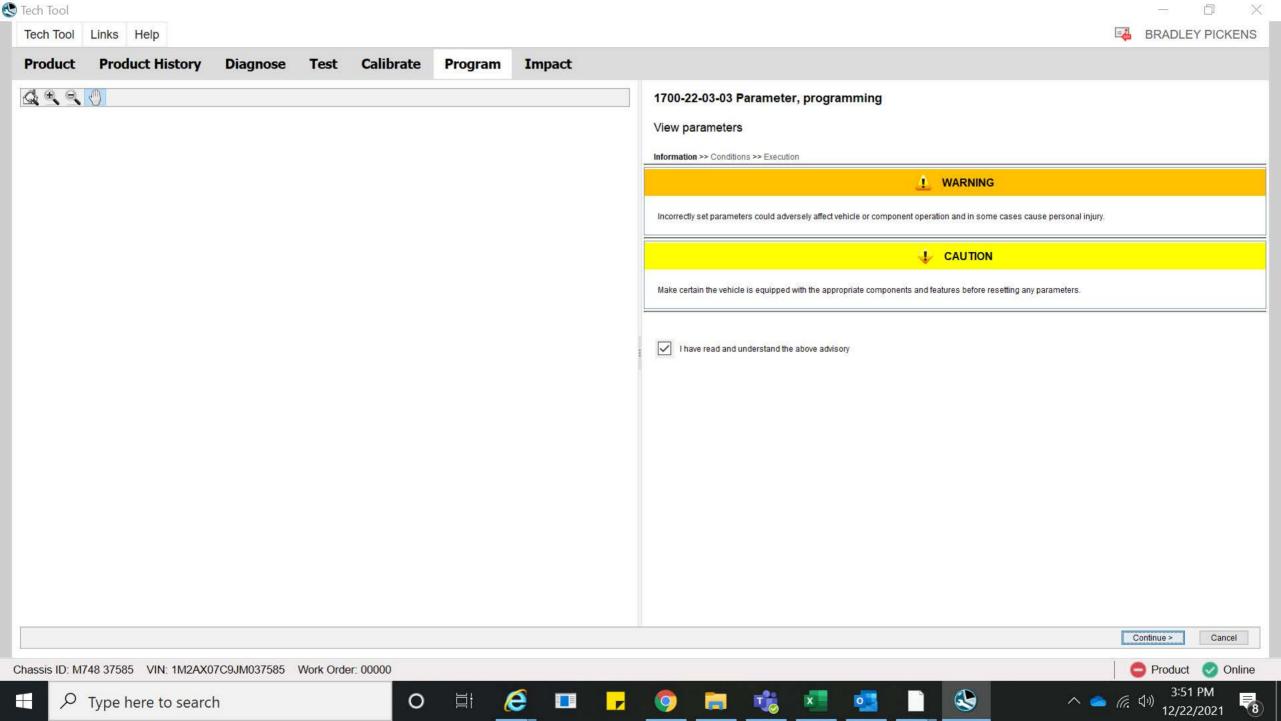
Emission Standard > US17 > US17+OBD19

Make and Model > Mack > MRU/TE - TerraPro

Vehicle System > Control Systems

Make and Model > Mack > AN - Anthem

Make and Model > Mack > GU/GR - Granite



Tech Tool

BRADLEY PICKENS

Product **Product History** Diagnose Test Calibrate **Impact** Program



1700-22-03-03 Parameter, programming

View parameters

Information >> Conditions >> Execution

Purpose

This operation is used to read and program parameter values

Description

If a parameter has a complex structure (more than two values) More>> will be displayed in the Value column

Incorrectly set parameters could adversely affect the operation of the vehicle or components and could cause personal injury in some cases. Make certain the vehicle is equipped with the appropriate components and features before resetting any parameters

The programmer is responsible for ensuring that all programming is carried out correctly and that the road speed limit complies with relevant legislation

Note: Certification from relevant authorities is required to carry out road speed limit (RSL) programming

■ Note: DTCs may be stored in some of the electronic control units (ECUs) during parameter programming. These DTCs should be erased before TechTool is disconnected

Continue >

Cancel

Chassis ID: M748 37585 VIN: 1M2AX07C9JM037585 Work Order: 00000









Tech Tool Links Help

























