Uncontrolled Copy

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
ROS	VECU - P1C7R

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

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.

⌁ Tags

k93482141   overspeed warning   mack   volvo

Categories ✱

Make and Model > Mack > CXU/CHU/PI - Pinnacle

Make and Model > Mack > LR

Make and Model > Volvo > VNL

Make and Model > Volvo > VNR

Make and Model > Volvo > VNX

Make and Model > Volvo > VAH

Make and Model > Volvo > VHD

Emission Standard > US17 > US17+OBD20

Emission Standard > US17 > US17+OBD21

Emission Standard > US21 > US21+OBD20

Emission Standard > US21 > US21+OBD21

⌞ Live UI

n Standard > US17 > US17+OBD16

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

1700-22-03-03 Parameter, programming

View parameters

Information >> Conditions >> Execution

⚠ WARNING
Incorrectly set parameters could adversely affect vehicle or component operation and in some cases cause personal injury.

⬇ CAUTION
Make certain the vehicle is equipped with the appropriate components and features before resetting any parameters.

☑ I have read and understand the above advisory

Continue >   Cancel

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

Type here to search   3:52 PM   12/22/2021

Product   Product History   Diagnose   Test   Calibrate   Program   Impact

1700-22-03-03 Parameter Programming

Find a parameter applying a filter using the options below or by searching for its ID or name. Change the parameter value directly in the table. Click Continue to confirm the changed parameter values.

Store Values   Parameter Templates

No parameters found for current filter (0 Items)

Filter Parameters

Search Parameter:	Filter by:	Control Unit:	Parameter Type:	Parameter State:
	Control Unit	All	All	All

Reading parameters...

ID	Name	Min	Value	Max	Unit	Details	State

Exit