



Mack Models

Mack Model TE-TerraPro , LR , GR-Granite , PI-Pinnacle , AN-Anthem , CHU-Pinnacle, Axle back , CXU-Pinnacle, Axle forward , GU-Granite

Volvo Models

Volvo Model VNR , VNX , VNL , VHD , VAH

Engine family

Engine family 11L Engine , 13L Engine , MP7 , MP8

Emission Standard

Emission Standard 2018 , OBD2017 , US17

**** SOLUTION ****

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**

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

The Vehicle Overspeed Threshold is set with parameter ZX5 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.

Solution

If the vehicle overspeed alert is activating at too low of a speed:

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 ZX5 and ROS.

ZXA	LOV Engine Overspeed Company Threshold	500.000	0.000	3500.000	r/min
ZX5	Vehicle Overspeed Threshold	0.00000000	86.000	158.45208	mph
ZXZ	Vehicle Overspeed All Threshold	0.00000000	0.00000000	158.45208	mph
RNL	Fuel Level Buffer	0.00	0.00	67.36	gal (US)
ROS	Driver overspeed warning default trigger	0	0	255	mph
RR	Cruise trim factor, minus	0.00	0.00	6.21	miles/h/s

3. Set the value for ZX5 and ROS higher than the values for the other road speed limits.

Note: The maximum value that ZX5 and ROS should be set to is 86 mph (138 km/h). Setting the value higher may cause other issues.

Function(s)/component(s) affected

Function affected regulation (cruise control/engine speed) , MID 140 – IC04 / IC05

Function Group

Function Group 365 entire vehicle control system , 381 combined instrument , 387 warning /information analysis and display; embedded diagnostic software

Customer effect

Main customer effect acceleration/speed , calibration/programming/pairing/missing operation , fault code /display

Lights/Messages on information display message on display

Conditions

Vehicle operating mode when driving

Frequency of occurrence of problem random

Speed limitation < vehicle speed limit

Other conditions after a workshop procedure on the vehicle

Administration

Author RU4469V

Dealer ID RU4469V

Last modified by RU4469V

Creation date 18-07-2018 16:07

Date of last update 11-09-2018 21:09

Status Published
