

**Mack Models**

Mack Model	TE-TerraPro , LR , LEU , MRU-TerraPro , GR-Granite , PI-Pinnacle , AN-Anthem , CHU-Pinnacle, Axle back , CXU-Pinnacle, Axel forward , GU-Granite , TD-Titan
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Volvo Models

Volvo Model	VNR , VNX , VNL , VNM , VHD , VAH
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Engine family

Engine family	11L Engine , 13L Engine , MP7 , MP8 , Cummins
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Emission Standard

Emission Standard	2018 , OBD2017 , US17 , US14 CNG , US16 , US15 , US10 , US13 OBD , US14
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**** SOLUTION ****

Title	Grounding Bus Bar (Grounding Star, Four Point Ground Stud) On Frame Rail; Inspection To Be Performed For Power And Ground, Data Link DTCs - US10 And Newer Emissions, Model Year 2011 And Newer
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Cause	During chassis assembly, the grounding star is painted prior to cable installation. Overspray on the contact surfaces may cause a poor ground connection resulting in power supply and/or data link codes to be generated.
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Any concern with power and ground should include a complete inspection of this part
for tightness, cleanliness, and condition.

While this four-point connector has been available as an option for several model years,
it has now become standard on US17 and newer vehicles.

Solution	The ground star is located on the driver's side frame rail near the battery box and fuel tank. If the ground becomes loose or gets protective coating, paint, dirt, or corrosion in between the terminals, the ground star needs to be removed, cleaned, and the protective coating needs to be reapplied.
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Solution visibility	Dealer distribution
Function(s)/component(s) affected	
Function affected	wiring harness
Function Group	
Function Group	371 cables
Customer effect	
Main customer effect	diagnostics/methodology , efficiency/abnormal behavior , fault code/display
Conditions	
Vehicle operating mode	when driving , when stationary
Frequency of occurrence of problem	random
Administration	
Author	RU4469V
Dealer ID	RU4469V
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