

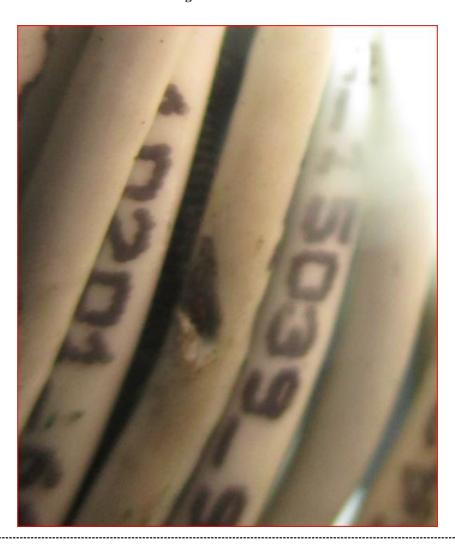
Solution K93394430 Tuesday, July 2, 2019 8:07:11 PM CEST

** SOLUTION **

Title	Engine Proke Diagnostic Trouble Code (DTC) D1021 11 Volve Compression Proke
	Engine Brake - Diagnostic Trouble Code (DTC) P1021-11 Volvo Compression Brake (VCB) Control Circuit Short To Ground - US17+OBD16 Through US17+OBD19
	Emissions, Model Years 2018 To 2020
	Elitissions, Woder Teats 2016 TO 2020
Mack Models	
Mack Model	MRU - TerraPro , TE - TerraPro , AN - Anthem , CHU - Pinnacle, Axle back , CXU -
	Pinnacle, Axle front, GR - Granite, GU - Granite, PI - Pinnacle
Volvo Models	
Volvo Model	VNL, VNM, VAH, VHD
Emission Standard	
Emission Standard	US17+OBD16, US17+OBD18, US17+OBD19
Engine family	
Engine family	13L Engine, MP8
** SOLUTION **	
Cause	The VCB circuit wires may rub on the air compressor supply pipe bracket, resulting in a
	short to ground circuit issue.
Solution	Once the circuit issue has been confirmed repair the damaged wires and
	move the harness away from the bracket so no further rubbing occurs. Refer
	to the pictures below -
	Charge Air Cooler Pipe Bracket



VCB circuit wire with rub fatigue



Solution visibility	Dealer distribution	
Support Area	Americas	
Function(s)/component(s) affected		
Function affected	MID 128 – EMS, wiring harness, engine brake	
Function Group		
Function Group	2861 Engine Wiring Harness, 2864 Bracket	
Customer effect		
Main customer effect	fault code/display	
Fault Codes And Error Codes		
OBDII Diagnostic Trouble Codes (P, U, B Format)	P1021	
Conditions		
Vehicle operating mode	stationary speed, cruise control, acceleration, with speed limiter, deceleration, whe n stationary, when activating the retarder, when deactivating the retarder activated mode, during disengagement, during engagement	
Administration		
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