** SOLUTION **

Title	Volvo Chassis - Exterior Lights - Converting From Incandescent To LED Lamps; Hardware And Software Requirements And Programming Information - Model Year 2008 Through 2017

Volvo Models

Volvo Model	VNL , VNM , VNX , VAH , VHD , VT

** SOLUTION **

Cause	Hardware, software, and programming information for converting Incandescent lamps to LED. Applicable to vehicles model year 2008 and newer.
Solution	see below

Change Parameters

When Changing lights from Incandescent to LED change the following parameters and parts on trucks build after 2008 and with US 2007 Emmisions.

Requirements

- Light Control Module (LCM) Hardware part numbers - 20865208, 20976406, 21326144, 21803280, 23274017
- Software part number - 21501276 or 21965197 **or higher** (Update software as needed)

Note: If parameters are not changed, the LCM will set an current below normal, or open circuit fault

VN: Headlights

Accessory Kit : 85141183

- 22141241 Headlamp, LED, LH, Long, HL-LED
- 22141268 Headlamp, LED,RH, Long, HL-LED

VNM: Headlights

- No LED lights available

VHD/VAH

- 84731759 Headlamp, LED, Assy, RH,VHD/VAH
- 84731761 Headlamp, LED Assy, LH, VHD/VAH

Headlights Parameters

- DWU = 0 Head light high beam left low current
- DWV = 0 Head light high beam right low current
- ANJ = 0 Low beam left low current detection
- ANK = 0 Low beam right low current detect

Side Marker Lights

- HOY = 0 Right side LED low current fault deactivated
- HOW = 0 Left side LED low current fault disable

Tail Lights

- 21148937 Series 44 LED
- 21849284 Series 44 LED module
- 21148937 Super 44 LED module
- 84009061 Series 40 Incandescent Tail
- 82750867 Combination Incandescent Tail
- 21612155 Combination LED Tail
- 82731539 Series 60 LED Stop tail TL-LED60
- 21892480 Series 60 LED multi light Stop tail

Tail Lights Parameters

- BDC = 0 Rear parking lights low current
- BDD = 0 Brake lights / indicators low current
- BDE = 0 Brake lights/indicator low current

Back of cab working lights Parameters

- MOG = 0 Back of cab fault detection
- BUT = 0 Back of cab light

Fog lights Parameters

- SBO = 0 Fog lights min current

Solution visibility	Dealer distribution
Support Area	Americas

Function(s)/component(s) affected

Function affected	MID 216 – LCM , exterior lighting

Function Group

Function Group	35 lighting

Administration

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