

FLA COE
FLB COE
FLD Conventional
Business Class
FLC 112 Conventional

Century Class Conventional
Argosy COE
Cargo
Columbia
122SD and Coronado

Business Class M2
Cascadia
108SD/114SD
> New Cascadia

**Freightliner
Service Bulletin**

General Information

On some New Cascadia vehicles with a KUS fuel level sender, the needle on the fuel gauge is not touching the full mark when the fuel tank(s) are completely filled. The gauge will show approximately 95% full, but will not reach the full mark.

This is occurring because Single SAM (sSAM) parameter A0324474658-001 has two sense values that are reversed, resulting in the fuel gauge needle not fully reaching the full mark.

Installing new parameter A0324474658-002 should resolve the issue. See [Fig. 1](#). If the fuel gauge is still not reaching the full mark after installing the parameter, normal troubleshooting should be applied.

Parameter A0324474658-002 was installed in production beginning on 05/06/2019.

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Parameters

VIN: 3AKJHMDR2HSZZ3450
ESN: 472910S0434067

Vehicle: New Cascadia-Sleeper
Engine: DDEC16-DD15
Transmission: DT12-DT12 DA

All Parameters Compare Parameters Compare Server Data Cruise Control Engine Protection Fan Fleet Management Global Variant Coding Idle and PTO Shutdown Instrument Cluster Device Variar

Parameter	Part	Value	Units	Mir
ASC Horn Primary and Secondary	n/a			
ASC - HW Config	A0334474458-001	ASC HW Config - Default		
BSC - HW Config	A0334474558-001	BSC HW Config - Default		
BSC Park Brake	A0434475458-001	BSC Park Brake - LG3		
BSC Park Brake Drag	A0434477458-002	BSC Park Brake Drag - LG3 002		
BSC Service Brake	A0324477458-002	BSC Service Brake - Default 002		
BSC Service Brake Inspections	A0434477558-001	BSC Service Brake Inspection - LG3		
CCS - HW Config	A0334474658-001	CCS HW Config - Default		
DBC Heated mirrors	A0314474158-001	DBC Heated Mirrors - Disabled		
DBC - HW Config	A0334474758-002	DBC HW Config - Default 002		
DGM - HW Config	A0334477358-002	DGM HW Config - Default 002		
ELC Backup lighting	A0434473258-001	ELC Backup Lighting - LG3		
ELC Camouflage	A0314476758-001	ELC Camouflage Mode - Disabled		
ELC - Continued	n/a			
ELC Cornering light	A0314476858-001	ELC Cornering Light - Disabled		
ELC Daytime running lights	A0314477258-001	ELC DRL - LED Standard		
ELC E2E	A0434471358-001	ELC E2E - Standard		
ELC Fog lamps	A0334470558-001	ELC Fog Lamps - Disabled		
ELC Follow me home	A0334470758-001	ELC Follow Me Home - Disabled		
ELC Hazard lights	A0324475158-001	ELC Hazard Lights - Default		
ELC Head lamp switch pos1	A0314477458-001	ELC HdLmp Sw Pos 1 - Standard		
ELC Head lamp switch pos2	A0314477658-002	ELC HdLmp Sw Pos 2 - Standard 002		
ELC - HW Config	A0334476058-003	ELC HW Config - LED 003		
ELC Lamps check	n/a			
ELC Light sensor	A0314478258-001	A0444472858-001 FLS Fuel Level Sensing - Agility Natural Gas		
ELC Lights on warning buzzer	A0314478058-001	A0734474758-002 FLS Fuel Level Sensing - KUS JYST 002		
ELC Stop lamps	n/a	A0324474658-002 FLS Fuel Level Sensing - KUS LG3 Production Update		
ELC Turn lights	A0434471658-001	A0324474658-001 FLS Fuel Level Sensing - KUS LG3		
ELC Turn tip	A0324475258-001	A0324474358-001 FLS Fuel Level Sensing - No Sensor LG3		
ELC Utility lamps	A0324475258-001	A0324474458-001 FLS Fuel Level Sensing - SSI 23 Inch LG3		
ELC Vehicle lightning with wiper	A0324476358-001	A0324474558-001 FLS Fuel Level Sensing - SSI 25 Inch LG3		
ESC - Continued	A0734474758-001	A0734474758-001 FLS Fuel Level Sensing - KUS JYST		
ESC Cruise pause while wiper on	A0314479458-001	A0734474658-001 FLS Fuel Level Sensing - SSI 25 Inch JYST		
ESC - HW Config	A0334474858-001	A0734474558-001 FLS Fuel Level Sensing - No Sensor JYST		
ESC Optimized idle	n/a	A0734474458-001 FLS Fuel Level Sensing - SSI 23 Inch JYST		
ESC Starter relay	n/a	A0444472858-002 FLS Fuel Level Sensing - Agility 002		
FLS - Continued	n/a	A0334476758-001 FLS Fuel Level Sensing - SSI 23 Inch		
FLS Fuel level sensing	A0324474658-002	A0334476958-001 FLS Fuel Level Sensing - KUS		
FLS - HW Config	A0334474958-001	A0314478858-001 FLS Fuel Level Sensing - No Sensor		
FSC CAN Event 1_32	A0334473858-001	A0334476858-001 FLS Fuel Level Sensing - SSI 25 Inch		
FSC CAN Output Block 1_4	A0334473958-001	A0314478958-001 FLS Fuel Level Sensing - Medallion		

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Fig. 1, Fuel Sender Parameter in DiagnosticLink

Warranty

This procedure is warrantable only if the described condition exists and the repair is performed within the applicable base or extended coverage warranty period. If a failure is not found, this procedure is considered preventive and warranty does not apply.

Normal warranty applies. See [Table 1](#) for OWL VMRS codes and labor allowance information. Enter this service bulletin number in the *Service Bulletin #* field.

New Cascadia Fuel Gauge Not Indicating Full

54-316

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OWL VMRS Codes and Labor Allowance					
Primary Failed Part	Component Code	Cause Code	SRT Code	Description	Time: Hours
Parameter Fuel Gauge	003-006-016	23	847-5001A	FUEL GUAGE, PARAMETER CHANGE SSAM, KUS SENDER	0.4

Table 1, OWL VMRS Codes and Labor Allowance

NOTE: Add the digital photo instructions only if requested by Warranty in their approval routing. Otherwise, delete the content for approval routing. Attach digital photos directly to the claim on the Attachments tab.