

# SS 1034231 New Cascadia Fuel Gauge Not Indicating Full When Fuel Tank(s) Are Filled

---

## Applicable Vehicles:

This solution only applies to New Cascadia vehicles with the KUS fuel sender. An image of the KUS sender has been added to help identify the sender.

## Symptoms:

When the fuel tank or tanks are filled the needle on the fuel gauge does not show full (needle not touching the full mark). It will show close to full, approximately 95% full, but will not be touching the full mark.

## Issue:

The Single SAM (SSAM) parameter A0324474658-001 had two sense values that had been reversed resulting in the fuel gauge needle not fully reaching the full mark.

## Solution:

If the parameter A0324474658-001 is loaded in the SSAM and the fuel gauge needle is not fully reaching the full mark when the fuel tank(s) are filled, then installing the newer parameter A0324474658-002 should resolve the issue. If for some reason fuel gauge is still not reaching full mark after installing the parameter, then normal troubleshooting should be applied.

# SS 1034231 New Cascadia Fuel Gauge Not Indicating Full When Fuel Tank(s) Are Filled

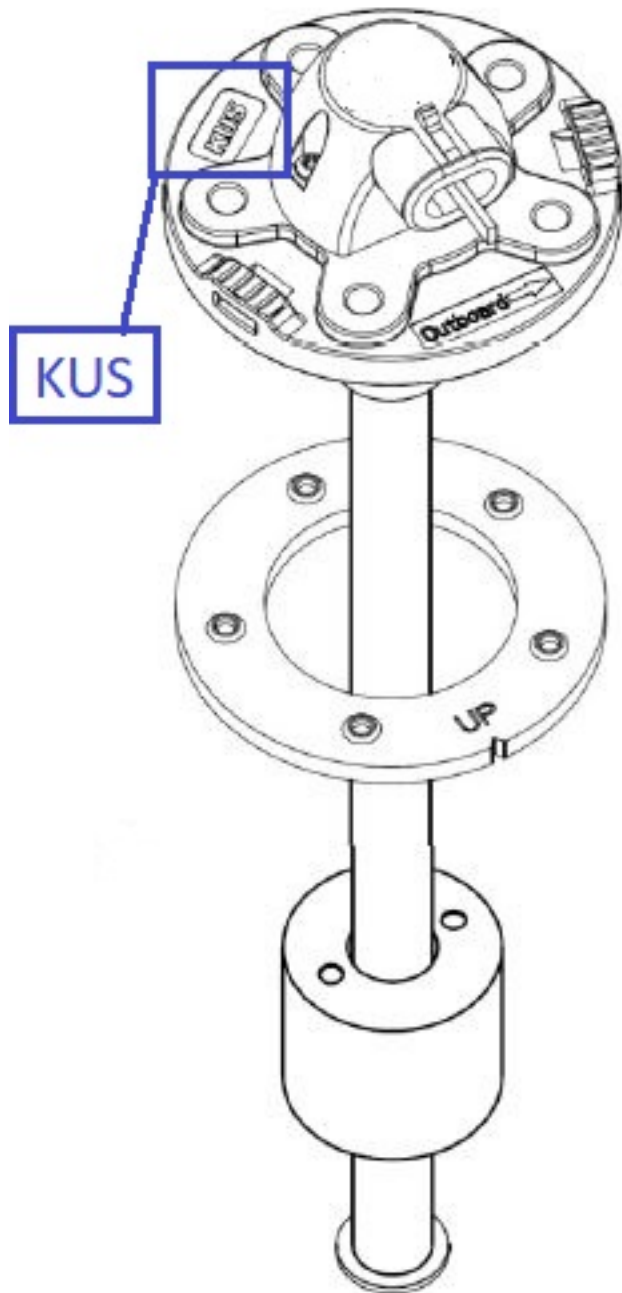
English (United States) troubleshooting content (DDC-SVC-MAN-0084, DDC-SVC-MAN-0191, DDC-SVC-MAN-0193, DDC-SVC-MAN-0200, DDC-SVC-MAN-0184, DDC-SVC-MAN-0140, DDC-SVC-MAN-0015, DDC-SVC-MAN-0010, DDC-SVC-MAN-0009, DDC-SVC-MAN-0000, New Cascadia Electrical Systems and Troubleshooting Manual) is more than 14 days old and should be refreshed. This requires an internet connection and may take a few minutes. Click here to refresh this content now.

Parameters

Parameter	Part	Value	Units	Minimum	Maximum	Description
SSAM02T - Single SAM						
DBC Heated mirrors	A0314474058-001	DBC Heated Mirrors - Enabled				
DBC - HW Config	A0334474758-002	DBC HW Config - Default 002				
DGM - HW Config	A0334477358-001	DGM HW Config - Default				
ELC Backup lighting	A0314476358-001	ELC Backup Lighting - Automatic				
ELC Camouflage	A0314476758-001	ELC Camouflage Mode - Disabled				
ELC Cornering light	A0314478058-001	ELC Cornering Light - Disabled				
ELC Daytime running lights	A0314477258-001	ELC DRL - LED Standard				
ELC Fog lamps	A0334470658-001	ELC Fog Lamps - Enabled				
ELC Follow me home	A0334470758-001	ELC Follow Me Home - Disabled				
ELC Hazard lights	A0324471558-001	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	A0324474058-002	ELC Lamps Check - SOP 002				
ELC Light sensor	A0314478258-001	ELC Light Sensor - Disabled				
ELC Lights on warning buzzer	A0314478058-001	ELC Lights on warning buzzer - Standard				
ELC Stop lamps	A0324475658-001	ELC Stop Lamps - With Retarder				
ELC Turn lights	A0324475358-001	ELC Turn Lights - Combo				
ELC Turn tip	A0324475258-001	ELC Turn Tip - Default				
ELC Utility lamps	A0324476358-001	ELC Utility Lamps - Lamp #1, Switch Activated				
ELC Vehicle lightning with wiper	A0314477958-002	ELC VLWVW - Enabled 002				
ESC Cruise pause while wiper on	A0314479458-001	ESC Cruise Pause - Disabled				
ESC - HW Config	A0334474858-001	ESC HW Config - Default				
ESC Optimized idle	A0314479858-001	ESC Optimized Idle - Disabled				
ESC Starter relay	A0314479758-001	ESC Starter Relay - HDEP				
FLS Fuel level sensing	A0324474658-001	A0324474658-001 FLS Fuel Lev...				
FLS_char_curve2_1_v_sens	(from parent)	A0444472858-001 FLS Fuel Level Sensing - Agility Natural Gas	0.00		5.00	
FLS_char_curve2_1_fuel_gauge	(from parent)	A0734476758-002 FLS Fuel Level Sensing - KUS JYST 002	0.00		100.00	
FLS_char_curve2_2_v_sens	(from parent)	A0324474658-001 FLS Fuel Level Sensing - KUS LG3	0.00		5.00	
FLS_char_curve2_2_fuel_gauge	(from parent)	A0324474658-002 FLS Fuel Level Sensing - KUS LG3 Production Update	0.00		100.00	
FLS_char_curve2_3_v_sens	(from parent)	A0324474458-001 FLS Fuel Level Sensing - SSI 23 Inch LG3	0.00		5.00	
FLS_char_curve2_3_fuel_gauge	(from parent)	A0324474458-001 FLS Fuel Level Sensing - SSI 23 Inch LG3	0.00		100.00	
FLS_char_curve2_4_v_sens	(from parent)	A0734474658-001 FLS Fuel Level Sensing - KUS JYST	0.00		5.00	
FLS_char_curve2_4_fuel_gauge	(from parent)	A0734474658-001 FLS Fuel Level Sensing - KUS JYST	0.00		100.00	
FLS_char_curve2_5_v_sens	(from parent)	A0734474458-001 FLS Fuel Level Sensing - SSI 23 Inch JYST	0.00		5.00	
FLS_char_curve2_5_fuel_gauge	(from parent)	A0734474458-001 FLS Fuel Level Sensing - SSI 23 Inch JYST	0.00		100.00	
FLS_char_curve2_6_v_sens	(from parent)	A0444472858-002 FLS Fuel Level Sensing - Agility 002	0.00		100.00	
FLS_char_curve2_6_fuel_gauge	(from parent)	A0334476758-001 FLS Fuel Level Sensing - SSI 23 Inch	0.00		5.00	
FLS_char_curve2_7_v_sens	(from parent)	A0334476958-001 FLS Fuel Level Sensing - KUS	0.00		100.00	
FLS_char_curve2_7_fuel_gauge	(from parent)	A0334476958-001 FLS Fuel Level Sensing - KUS	0.00		5.00	
FLS_char_curve2_8_v_sens	(from parent)	A0314478858-001 FLS Fuel Level Sensing - No Sensor	0.00		100.00	
FLS_char_curve2_8_fuel_gauge	(from parent)	A0334476958-001 FLS Fuel Level Sensing - SSI 23 Inch	0.00		5.00	
FLS_char_curve2_9_v_sens	(from parent)	A0314478958-001 FLS Fuel Level Sensing - Medallion	0.00		100.00	
FLS_char_curve2_9_fuel_gauge	(from parent)	A0314478958-001 FLS Fuel Level Sensing - Medallion	0.00		5.00	

One or more errors occurred while importing parameters from C:\ProgramData\Detroit Diesel\Drumoff\user Data\Parameters\JK2425...

Use this parameter A0324474658-002 FLS Fuel Level Sensing -KUS LG3 Production Update



2