

SS 1033418 New Cascadia With Cummins Engine Will Not Crank After Flashing The SSAM

Applicable Vehicles

Any New Cascadia Vehicle with Cummins engine.

Symptoms

Engine cranked and started prior to flashing the single signal detect and actuation module (SSAM).

Issue

After flashing the SSAM, in some cases, the programming under the SSAM may change and the parameter for the PGPC Engine Type shows "Proprietary Engine" and not the correct programming for "Non Proprietary Engine".

Solution

After flashing the SSAM, if there is the complaint of "no crank", use DiagnosticLink to check the programming for the SSAM under the folder GPC-Continued for the programming PGPC Engine Type. Make sure the parameter is set to A0404470158-001 GPC Engine Type - Non Proprietary Engine. Reference the screen print below.

DiagnosticLink - Engineering

Parameters

English (United States) troubleshooting content (DDC-SVC-MAN-0084, DDC-SVC-MAN-0191, DDC-SVC-MAN-0200, DDC-SVC-MAN-0015, DDC-SVC-MAN-0010, DDC-SVC-MAN-0009) is missing and needs to be downloaded. This requires an internet connection, and may take a few minutes. Click here to download.

Parameter	Part	Value	Units	Minimum	Maximum	Default
SSAM0021 - Single SSAM						
FSC Logic Block 21_25	A0434475558-001	FSC Logic Block 21_25 - LG3				
FSC Logic Block 26_30	A0434475658-001	FSC Logic Block 26_30 - LG3				
FSC Logic Block 31_35	A0434475758-001	FSC Logic Block 31_35 - LG3				
FSC Logic Block 36_40	A0434475858-001	FSC Logic Block 36_40 - LG3				
FSC Logic Block 6_10	n/a					
FSC Output Pin Block 1_16	n/a					
FSC Service Output Block	A0434476058-001	FSC Service Output Block - LG3				
FSC Service Output Block 1_10	n/a					
FSC Timer Block 1_20	A0334473358-001	FSC Timer Block - Default				
GPC - Continued	A043447658-001	GPC Continued - LG3				
PGPC_Virtual_Lightsw_Exists	(from parent)	Not available				
PGPC_POTA_Exists	(from parent)	Not available				
PGPC_SVC_JHC_Func	(from parent)	Not available (N/A)				
PGPC_door_module_Exists	(from parent)	Available				
PGPC_enable_alt_mgmt	(from parent)	Disabled				
PGPC_SVC_Sun_Roof_Variant	(from parent)	TV (Sliding Sunroof with electronic)				
PGPC_engine_type	(from parent)	A0404470158-001 GPC Engine Type - Proprietary Engine				
PGPC_JBS_LIN2CAN_gateway	(from parent)	A0404470158-001 GPC Engine Type - Non Proprietary Engine				
PGPC_alt_LIN2CAN_gateway	(from parent)					
PGPC_alt_number	(from parent)	1	NoUnit	1	4	
PGPC_alt_type	(from parent)	Alternator with conventional MFR ...				
GPC Global Parameter Control	n/a					
ILC Ambience Light	A0434478658-001	ILC Ambience Light - LG3				
ILC Basic Light function	A0324477158-002	ILC Basic Light Function - Stdnd 002				
ILC - Continued	n/a					
ILC - Continued R1701	A0434473458-001	ILC Continued 1701 - LG3				
ILC Dome lamps	A0324476858-001	ILC Dome Lamps - Standard				
ILC Dome lamps rear	A0324477358-001	ILC Dome Lamps Rear - Standard				
ILC Entrance lighting	A043447658-001	ILC Entrance Lighting - LG3				
ILC Flat roof vhd int lights	A0334470958-001	ILC Flat Roof Vehicle Lights - Standard				
ILC Footwell Lamp - Front	A0434473758-001	ILC Footwell Lamp Front - LG3				
ILC Footwell Lamp - Sleeper	A0434474158-001	ILC Footwell Sleeper - LG3				
ILC - HW Config	A0334475858-001	ILC HW Config - Default DTNA				
ILC Max Activation Timer	A0434473958-001	ILC Max Activation Timer - LG3				
ILC Miscellaneous LG3	n/a					
ILC Night light	A0334471158-001	ILC Night Light - Default				
ILC Panel lamps backlight	A0324478658-001	ILC Panel Lamp Backlight - Standard				
ILC Reading lights	A0334471258-001	ILC Reading Lights - Standard				
ISC - Continued	A0434476258-001	ISC Continued - LG3				
ISC Ignition Switch	A0314479958-001	ISC Ignition Switch - Hardwired				
MSC - Continued	A0434470558-001	MSC Continued - LG3				
MSC HLS Headlampswitch interface	A0384479858-001	MSC HLS - No Fog/Road, CAN Wakeup LG3				

Because we have a Cummins engine we need to make sure this parameter is set for "A0404470158-001 GPC Engine Type- Non Proprietary Engine"

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