



JPRO® DIAGNOSTIC REPORT

Connection Date: January 02, 2026 9:47 AM

Print Date: January 02, 2026 9:47 AM

VIN	3AKJGED5XFDGL8240
Vehicle Make	Freightliner
Model	Cascadia
Series	
Model Year	2015

Vehicle Components

Component	Description	Serial Number	Software Version	Network
Engine/CPC	Detroit DD15 CPC04T	S0275317	App_040A	J1939 (High)/J1587 (Low)/15765 (CAN)
Transmission	Eaton Gen III UltraShift PLUS	SERIALNO	5570052 E252.e004	J1939 (High)
Brakes	WABCO E Cab(12V) 4S/4M	??86??	E442	J1939 (High)/J1587 (Low)
Instrument Cluster	DTNA ICU3P-2013	N/A	12/05/00 05_4.5 60	J1939 (High)
SAM Cabin	Freightliner SAM Cabin	N/A	N/A	J1939 (High)/15765 (CAN)
Central Gateway	DTNA CGW	8001D5	14.05.000, 14/05/00	J1939 (High)/J1587 (Low)/15765 (CAN)
Modular Switch Field	Freightliner Modular Switch Field	N/A	N/A	J1939 (High)/15765 (CAN)
Aftertreatment Control Module	Detroit DD15 ACM21T	N/A	acm_0x0221	J1939 (High)/15765 (CAN)
Motor Control Module	Detroit DD15 MCM21T	N/A	mcm_0x06C1	J1939 (High)/15765 (CAN)
HVAC-Front Control Unit	Freightliner HVAC Front	FL-P3D-14082011-0154	R.0.3.2 R.1.3.1	J1939 (High)
SAM Chassis	Freightliner SAM Chassis	N/A	N/A	J1939 (High)/15765 (CAN)



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Vehicle Key Data Points

Description	Parameter Value	Description	Parameter Value
Avg Fuel Econ	15.10 mpg	Idle Fuel Used	1,887.20 gal
Battery Potential	12.40 volts	DPF Soot Level	Low
Total Idle Hrs	2,384.20 hrs	DPF Derate	Low
Idle Shutdown	5.00 min	Total Engine Run Time	19,403.30 hrs
Road Speed Limit	65.00 mph	Cruise Spd Limit	65.00 mph
PTO Status	Inactive	Malfunction Indicator Lamp	Off
Red Stop Lamp	Off	Amber Warning Lamp	On
Protect Lamp	Off	Parking Brake Switch	On
Engine Speed	0 rpm	DPF Lamp Command	Off
Exhaust System High Temperature Lamp Command	Off	ABS Control Status	On
ABS Control Status, Trailer	Not Available	Odometer	403,973.74 mi
Engine Odometer	154,029.94 mi	Instrument Cluster Odometer	403,973.74 mi
Fuel	Low	Coolant	Normal
Diesel Exhaust Fluid	84%		

Vehicle Issues

	9 Active Fault(s) Present
	Consumable Fluid(s) Low

Faults

Status	Component	Description	Lookup Code	FMI	Count
Active	Gen III UltraShift PLUS	ABS CAN message fault- Transmission ECU received a message from ABS that "Hill Start Aid" is not available (Flash Code 22)	SPN 563	14	1
Active	Brakes	Left Rear Wheel Sensor Open	SID 3	5	1
Active	Modular Switch Field	Sub bus switch missing	SPN 523530	31	62



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Permanent	DD15 MCM21T	CPC: Aftertreatment Control Module (ACM) PT-CAN DM1 message not received or has stopped arriving	SPN 625	9	4
Permanent	DD15 MCM21T	ACM Message Not Received or has Stopped Arriving	SPN 1231	9	5
Permanent	DD15 ACM21T	Selective Catalyst Reduction (SCR) outlet NOx sensor - error	SPN 3057	2	7
Permanent	DD15 ACM21T	Selective Catalyst Reduction (SCR) Inlet Nox Sensor Failure to Activate	SPN 3223	7	1
Permanent	DD15 ACM21T	Selective Catalyst Reduction (SCR) Outlet Nox Sensor Failure to Activate	SPN 3238	2	1
Permanent	DD15 ACM21T	Diesel Exhaust Fluid (DEF) Pump Speed Signal Below Measurement Range	SPN 4374	4	1