

Connection Date: January 02, 2026 9:47 AM  
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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
Avg Fuel Econ	15.10 mpg
Battery Potential	12.40 volts
Total Idle Hrs	2,384.20 hrs
Idle Shutdown	5.00 min
Road Speed Limit	65.00 mph
PTO Status	Inactive
Red Stop Lamp	Off
Protect Lamp	Off
Engine Speed	0 rpm
Exhaust System High Temperature Lamp Command	Off
ABS Control Status, Trailer	Not Available
Engine Odometer	154,029.94 mi
Fuel	Low
Diesel Exhaust Fluid	84%

Description	Parameter Value
Idle Fuel Used	1,887.20 gal
DPF Soot Level	Low
DPF Derate	Low
Total Engine Run Time	19,403.30 hrs
Cruise Spd Limit	65.00 mph
Malfunction Indicator Lamp	Off
Amber Warning Lamp	On
Parking Brake Switch	On
DPF Lamp Command	Off
ABS Control Status	On
Odometer	403,973.74 mi
Instrument Cluster Odometer	403,973.74 mi
Coolant	Normal

**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



# JPRO® DIAGNOSTIC REPORT

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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