



# JPRO® DIAGNOSTIC REPORT

Connection Date: January 30, 2024 12:58 PM

Print Date: January 30, 2024 12:58 PM

VIN	3AKJGLDR2HSGP5403
Vehicle Make	Freightliner
Model	Cascadia
Series	
Model Year	2017
Unit Number	2330841

## Vehicle Components

Component	Description	Serial Number	Software Version	Network
Engine/CPC	Detroit DD15 CPC04T	S0413399	App_0411	J1939 (High)/15765 (CAN)
Transmission	Detroit DT12	N/A	0014	J1939 (High)/15765 (CAN)
Brakes	WABCO E Series ABS 4S/4M	214000	E454	J1939 (High)/15765 (CAN)
Instrument Cluster	Freightliner ICU4Me-P3	N/A	15/10/00 000201 0504480721001 009d	J1939 (High)
SAM Chassis	Freightliner SAM Chassis	N/A	N/A	J1939 (High)/15765 (CAN)
Central Gateway	Freightliner Central GateWay	0000023774	15/43/00 020301 0004484927001 0 3	J1939 (High)/15765 (CAN)
SAM Cabin	Freightliner SAM Cabin	N/A	N/A	J1939 (High)/15765 (CAN)
Headway Controller	Freightliner Headway Controller	N/A	N/A	J1939 (High)/15765 (CAN)
Forward Road Image Processor	Freightliner Forward Road Image Processor	N/A	N/A	J1939 (High)
Aftertreatment Control Module	Detroit DD15 ACM21T	N/A	acm_0x0213	J1939 (High)/15765 (CAN)
Modular Switch Field	Freightliner Modular Switch Field	N/A	N/A	J1939 (High)/15765 (CAN)

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Motor Control Module	Detroit DD15 MCM21T	N/A	mcm_0x06DB	J1939 (High)/15765 (CAN)
Communications Unit, Cellular	Freightliner Communications Unit, Cellular	N/A	18/32/01 010221 0308000000000 0129	J1939 (High)
HVAC-Auxiliary Control Unit	Freightliner HVAC Rear	00000000000000000000	R.0.0.0 R.1.2.7	J1939 (High)
HVAC-Front Control Unit	Freightliner HVAC Front	FL-P3S-16031011-0822	R.0.3.2 R.1.3.1	J1939 (High)

### Vehicle Key Data Points

Description	Parameter Value	Description	Parameter Value
Avg Fuel Econ	7.50 mpg	Idle Fuel Used	4,698.80 gal
Battery Potential	14.20 volts	DPF Soot Level	Not Available
Total Idle Hrs	2,083.30 hrs	DPF Derate	Not Available
Idle Shutdown	5.00 min	Total Engine Run Time	22,823.00 hrs
Road Speed Limit	90.00 mph	Cruise Spd Limit	90.00 mph
PTO Status	Off/Disabled	Malfunction Indicator Lamp	Off
Red Stop Lamp	Off	Amber Warning Lamp	Off
Protect Lamp	Off	Parking Brake Switch	On
Engine Speed	600 rpm	DPF Lamp Command	Off
Exhaust System High Temperature Lamp Command	Off	ABS Control Status	Not Available
ABS Control Status, Trailer	Not Available	Odometer	902,659.33 mi
Engine Odometer	902,659.33 mi	Instrument Cluster Odometer	902,659.33 mi
Fuel	27%	Coolant	Normal
Diesel Exhaust Fluid	Normal		

### Vehicle Issues

 4 Active Fault(s) Present

### Faults

Status	Component	Description	Lookup Code	FMI	Count
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Active	Forward Road Image Processor	Undocumented Fault - Contact Manufacturer for SPN 523002 details	SPN 523002	5	126
Active	SAM Cabin	Left Fog Lamp Circuit - Amperage Below Normal/ Open Circuit	SPN 522108	5	1
Active	SAM Cabin	Right Fog Lamp Circuit - Amperage Below Normal/ Open Circuit	SPN 522117	5	1
Active	SAM Cabin	Utility Light Circuit - Amperage Below Normal	SPN 520407	5	1
Inactive	HVAC Rear	Blower motor - protection mode (speed mismatch or blocked rotor)	SPN 523318	7	1
Inactive	DD15 CPC04T	VDC1 Message was not received or has stopped arriving	SPN 1814	9	2
Inactive	DD15 MCM21T	Fuel Level Sensor Received Network Data in Error	SPN 96	19	2
Inactive	DD15 MCM21T	Battery Voltage Low	SPN 168	1	1
Inactive	DD15 MCM21T	Minimum Rail Pressure for Injection Not Achieved	SPN 157	17	8
Inactive	HVAC Front	COTC Sensor - short to battery or open circuit	SPN 1548	5	126
Inactive	HVAC Front	FCU - voltage below normal	SPN 158	4	3
Inactive	HVAC Front	High pressure sensor - data valid, but below normal operating range	SPN 522510	1	1
Inactive	SAM Cabin	Left Turn Cab Side - Amperage Below Normal	SPN 521315	5	N/A
Inactive	SAM Cabin	Left low beam Circuit - Amperage Below Normal / Open Circuit	SPN 521905	5	2
Inactive	SAM Cabin	Right Turn Lamp front corner - amperage below/Open Circuit	SPN 521909	5	1
Inactive	SAM Cabin	Marker Lamp front Left corner - Amperage Below Normal	SPN 521916	5	1
Inactive	SAM Cabin	Left Turn Lamp front corner Circuit - amperage below/ Open Circuit	SPN 521919	5	1
Inactive	SAM Cabin	Marker Lamp front Right corner - Amperage Below Normal/Open Circuit	SPN 521908	5	1
Inactive	SAM Cabin	Undocumented Fault - Contact Manufacturer for SPN 520716 details	SPN 520716	4	3
Inactive	SAM Cabin	Fuse 25 Circuits - Voltage Below Normal	SPN 520201	4	4
Inactive	SAM Cabin	Fuse 23 Circuits - Shorted To Ground	SPN 520710	4	2
Inactive	Central Gateway	J1939 500K Performance - CAN Bus Off	SPN 523515	31	2