



Shop: --
Tel: --
Email:
Address: --

Report ID: MAXIA20250527151652
Test Time: 2025-05-27 15:16:52
Technician: --

Cummins Vehicle Diagnostic Report

Vehicle Information

Cummins
VIN: --
Path: Diagnosis > Auto scan > Live data > All parameters >

Odometer Reading: --
License Plate: --
Sub Model: --

Customer Information

Name: --
Tel: --

Device information

Scanner: MaxiSys CV
Version: V7.00
Serial Number: V59SP5V01172

ISX12 CM2350 X102/X103/X108/ISX15 CM2350 X101/X104/X109

NO.	Name	Value	Unit
1	A/C pressure switch	ON	
2	Accelerator pedal/lever position sensor 2 signal voltage	0.56	V
3	Accelerator pedal/lever position sensor 2 supply voltage	5.01	V
4	Accelerator pedal/lever position sensor signal voltage	1.12	V
5	Accelerator pedal/lever position sensor supply voltage	5.01	V
6	Accelerator position primary Pulse-Width Modulation (PWM) duty cycle	0	%
7	Accelerator position secondary Pulse-Width Modulation (PWM) duty cycle	0	%
8	Active accelerator type	Dual analog	
9	Aftertreatment DEF line heater 4 status	OFF	
10	Aftertreatment SCR inlet temp signal vlt		V
11	Aftertreatment SCR inlet temperature		°F
12	Aftertreatment SCR outlet temp sig vlt		V
13	Aftertreatment SCR outlet temperature		°F
14	Aftertreatment diesel particulate filter ash load		%
15	Aftertreatment fuel injector status		
16	Aftertreatment fuel pressure		psi
17	Aftertreatment fuel pressure sensor signal voltage		V
18	Aftertreatment fuel shut-off vlv status		
19	Aftertreatment high exhaust system temperature lamp status		
20	Aftertreatment inlet NOx		ppm
21	Aftertreatment inlet NOx corrected		ppm
22	Aftertreatment inlet NOx reading stable		
23	Aftertreatment outlet NOx		ppm

24	Aftertreatment outlet NOx corrected	ppm
25	Aftertreatment outlet NOx reading stable	
26	Aftertreatment particulate matter sensor	uA
27	Aftertreatment purge air solenoid status	
28	Amber warning lamp status	
29	Ambient Air Temperature (AAT)	°F
30	Ambient Air Temperature (AAT) sensor signal voltage	V
31	Anti-theft status	
32	Barometric air pressure	psi
33	Barometric air pressure sensor signal voltage	V
34	Battery voltage	V
35	Brake pedal position switch	
36	Calibration software phase	
37	Clutch pedal position switch	
38	Crankcase pressure	psi
39	Crankcase pressure sensor signal voltage	V
40	Crankcase ventilation heater commanded status	
41	Cruise Control	
42	Cruise Control (CC) ON/OFF switch	
43	Cruise Control (CC) accelerate switch	
44	Cruise Control (CC) coast switch	
45	Cruise Control (CC) set/resume switch	
46	DEF dosing unit heater status	
47	DEF dosing unit status	
48	DEF dosing valve commanded position	
49	DEF lamp status	
50	DEF line heater 1 status	
51	DEF line heater 2 status	
52	DEF line heater 3 status	
53	DEF pressure	psi
54	DEF pressure sensor voltage	V
55	DEF pump 1 duty cycle	%
56	DEF quality	%
57	DEF quality sensor fluid temperature	C
58	DEF reverting valve position	
59	DEF tank heating valve position commanded	
60	DEF tank level	%

61	DEF tank temperature	°F
62	DEF tank temperature sensor voltage	V
63	DEF used	gallon
64	DOC inlet temperature	°F
65	DPF active regeneration elapsed time	h
66	DPF ash adjustment factor	kg/m3
67	DPF differential pressure	psi
68	DPF differential pressure sensor signal voltage	V
69	DPF inlet temperature	°F
70	DPF lamp status	
71	DPF operating status	
72	DPF outlet pressure	psi
73	DPF outlet pressure sensor signal voltage	V
74	DPF outlet temperature	°F
75	DPF passive regeneration elapsed time	h
76	DPF regeneration permit switch status	
77	DPF regeneration start switch status	
78	DPF soot load status	
79	Data link reference speed	rpm
80	Diagnostic Test mode switch	
81	Diesel Exhaust Fluid (DEF) line heater 1 status	
82	Diesel Exhaust Fluid (DEF) line heater 2 status	
83	Diesel Exhaust Fluid (DEF) line heater 3 status	
84	Diesel Exhaust Fluid (DEF) tank heater status	
85	ECM distance	miles
86	ECM key OFF time	H:M:S
87	ECM real time	
88	ECM time (key ON time)	H:M:S
89	Electric fuel lift pump current	A
90	Electric fuel lift pump duty cycle	%
91	Electric fuel lift pump position	
92	Electric lift pump current feedback	
93	Engine Coolant Temperature (ECT) sensor signal voltage	V
94	Engine Oil Pressure	psi
95	Engine Oil Pressure (EOP) sensor signal voltage	V
96	Engine Oil Pressure (EOP) sensor type	
97	Engine Oil Pressure (EOP) switch	

98	Engine Oil Temperature	°F
99	Engine Oil Temperature (EOT) sensor signal voltage	V
100	Engine Torque mode	
101	Engine brake output circuit 1	
102	Engine brake output circuit 2	
103	Engine brake output circuit 3	
104	Engine brake output circuit 4	
105	Engine brake selector switch 1	
106	Engine brake selector switch 2	
107	Engine brake switch level	%
108	Engine coolant level	
109	Engine coolant temperature	°F
110	Engine distance	miles
111	Engine hours	H:M:S
112	Engine operating status	
113	Engine protection derate suppress	
114	Engine protection shutdown override switch	
115	Engine speed	rpm
116	Engine speed backup sensor status	
117	Engine speed backup synchronization status	
118	Engine speed main sensor signal status	
119	Engine speed main sensor status	
120	Engine speed main synchronization status	
121	Engine speed sensor active	
122	Engine speed status	
123	Exhaust Gas Recirculation (EGR) differential pressure	psi
124	Exhaust Gas Recirculation (EGR) differential pressure sensor signal voltage	V
125	Exhaust Gas Recirculation (EGR) orifice pressure	psi
126	Exhaust Gas Recirculation (EGR) orifice pressure sensor supply voltage	V
127	Exhaust Gas Recirculation (EGR) temperature	°F
128	Exhaust Gas Recirculation (EGR) temperature sensor signal voltage	V
129	Exhaust Gas Recirculation (EGR) valve position commanded	%
130	Exhaust Gas Recirculation (EGR) valve position measured (percent open)	%
131	Exhaust Gas Recirculation (EGR) valve position sensor signal voltage	V
132	Exhaust Gas Temperature (EGT) (calculated)	°F
133	Exhaust gas pressure	psi
134	Exhaust gas pressure sensor signal voltage	V

135	Exhaust gas recirculation (EGR) cooler efficiency	%
136	Exhaust mass flow rate	kg/min
137	Exhaust volumetric flow rate	m3/s
138	Fan control 2 multiplexed request level	%
139	Fan control command	%
140	Fan control multiplexed request level	%
141	Fan control switch	
142	Fan drive status	
143	Final fueling	mg/stroke
144	Fuel Pump (FP) actuator commanded current	A
145	Fuel Pump (FP) actuator duty cycle	%
146	Fuel Pump (FP) actuator measured current	A
147	Fuel Pump (FP) actuator position	
148	Fuel Rail Pressure (FRP) commanded	psi
149	Fuel Rail Pressure (FRP) measured	psi
150	Fuel Rail Pressure (FRP) rationality sensor	psi
151	Fuel Rail Pressure (FRP) rationality sensor voltage	V
152	Fuel Rail Pressure (FRP) signal voltage	V
153	Fuel flow rate commanded	gal/h
154	Fuel level	%
155	Fuel level sensor voltage	V
156	Gear down protection status	
157	Ignition key	
158	Ignition key OFF counts	
159	Ignition key ON counts	
160	Inlet air throttle position	%
161	Inlet air throttle position commanded	%
162	Inlet air throttle sensor signal voltage	V
163	Inlet manifold air temperature	°F
164	Inlet manifold air temperature sensor signal voltage	V
165	Inlet manifold pressure	psi
166	Inlet manifold pressure sensor signal voltage	V
167	Instantaneous fuel economy	km/L
168	Load based speed control status	
169	Low idle speed adjustment switch	
170	MIL status	
171	Multiplexed accelerator fault limp home switch status	

172	Net engine torque	lbf ft
173	Parking brake switch status	
174	Percent accelerator pedal/lever	%
175	Percent load	%
176	Power Take-Off (PTO) ON/OFF switch	
177	Power Take-Off (PTO) additional switch	
178	Power Take-Off (PTO) decrement switch	
179	Power Take-Off (PTO) high power device	
180	Power Take-Off (PTO) increment switch	
181	Power Take-Off (PTO) status	
182	Red stop lamp status	
183	Remote Power Take-Off (PTO) switch	
184	SAE J1939 engine source address	
185	SAE J1939 stop broadcast source address 1	
186	SAE J1939 stop broadcast source address 2	
187	SAE J1939 stop broadcast source address 3	
188	Sensor supply 1	V
189	Sensor supply 2	V
190	Sensor supply 3	V
191	Sensor supply 4	V
192	Sensor supply 5	V
193	Sensor supply 6	V
194	Smart torque status	
195	Soot level	lbs
196	Tailshaft speed	rpm
197	Total Diesel Exhaust Fluid (DEF) used	gallon
198	Transmission gear ratio	
199	Turbo act pos comded (percent closed)	%
200	Turbo actuator position measured (percent closed)	%
201	Turbo actuator position sensor signal voltage	V
202	Turbo actuator type	
203	Turbo compressor Intake Air Temperature (IAT)	°F
204	Turbo compressor Intake Air Temperature (IAT) sensor signal voltage	V
205	Turbo compressor outlet air temperature (calculated)	°F
206	Turbo speed	rpm
207	Turbo speed derate active	
208	Vehicle speed	mph

209	Water In Fuel (WIF) detected total accumulated time	H:M:S
210	Water In Fuel (WIF) sensor signal voltage	V
211	Water In Fuel (WIF) status	