



Shop:
Tel:
Address:

Report ID: MAXIA20230705
Creation Date: 2023-07-05



DETROIT Vehicle Diagnostic Report

License Plate: POOO

Manufacturer: DETROIT

Year:

Model:

Sub Model:

Engine:

Path: DETROIT>Auto scan>Motor Control Module 2.1(MCM21T)>Live data

Client:

Phone Number:

VIN:

Mileage:

Color:

Status:

Live data

NO.	Name	Value	Unit
1	AS028: Fault reaction 2	3969	
2	AS071: smoke control status	0.00000	
3	AS072: Diesel Particulate Filter (DPF) zone	Diesel Particulate Filter (DPF) zone 5	
4	AS085: over the road regeneration disable status	DTC inhibit	
5	AS093: weight factor ambient cold	0.79303	
6	AS115: HP leakage actual value	1.5	
7	AS118: fan status	Fan off	
8	AS119: Diesel Particulate Filter (DPF) fault reaction	On	
9	AS119: Diesel Particulate Filter (DPF) protection	Off	
10	AS119: DPF Safe mode	Off	
11	AS119: Exhaust Gas Recirculation (EGR) fault reaction	Not defined	
12	AS119: Euro 6: empty tank	No inducement	
13	AS119: ITV (reserved in MCM 2)	Off	
14	AS119: limit urea dosing fault reaction	On	
15	AS119: MLIT fault reaction	Off	



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16	AS119: override SCR efficiency to 0%	Off
17	AS119: Selective Catalytic Reduction (SCR) fault reaction	On
18	AS119: torque limiter	Off
19	AS119: VNT fault reaction	Off
20	AS119: vehicle speed inhibit request types	No request
21	AS119: derate request types	Invalid value
22	AS119: shutdown requests	No request
23	AS120: rail pressure status	RPG open loop
24	AS122: FMU stick diagnosis status	RPG diagnosis FMU aborted
25	AS123: FMU diagnosis error status	Undefined
26	AS136: test counter	200
27	AS137: continuous MI counter	0
28	AS138: cumulative continuous MI counter	42520
29	AS141: MIL ON fault count	0.004
30	AS146: read actual lambda	0.000
31	AS147: read actual lambda for momentary fuel mass	65.535
32	AS165: rail pres gov pump leak vlv open counter	49.0
33	AS170: current slip of water pump	1.00000
34	AS175: extreme param for SPN 4765/FMI 0	0.0
35	AS180: extreme parameter for SPN 102/Failure Mode Identifier (FMI) 18	0.0
36	ASL003: Exhaust Gas Recirculation (EGR) mass flow rate	1.0000



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37	ASL004: active governor type	Idle speed governor
38	ASL004: engine status	Engine stop
39	ASL007: driving cycle counter	14893.0
40	ASL007: ignition cycle counter	13477.0
41	ASL007: Smart Remote Actuator (SRA) 1 status code	Signal unavailable
42	ASL007: Smart Remote Actuator (SRA) 3 status code	Reference sensor fault - motor
43	DS001: Check Engine Lamp (CEL) status	On
44	DS001: KW/NW validity signal	Off
45	DS001: MIL status	On
46	DS014: Diesel Particulate Filter (DPF) regeneration flag	Off
47	DS015: fuel mass engine limit = aftertreatment temperature limit	Off
48	DS015: fuel mass engine limit = altitude limit	Off
49	DS015: fuel mass engine limit = maximum limit	Off
50	DS017: fuel mass engine limit = minimum limit	Off
51	DS019: torque limiter status	SNV
52	DS019: vehicle check status	Not available
53	DS024: FIS READ FM DEV MC B	Inactive
54	DS024: Idle Speed Control (ISC) GET governor active B	Inactive
55	DS024: Idle Speed Control (ISC) GET monitoring condition B	Inactive
56	DSL001: CAN status (high line)	Signal unavailable
57	DSL001: CAN status (low line)	Signal unavailable



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58	DSL001: decompression valve	Signal unavailable
59	DSL001: engine brake	Off
60	DSL001: engine exhaust flap	Signal unavailable
61	DSL001: reserved for status HC doser line	Signal unavailable
62	DSL001: stat of fuel cut-off valve in doser	Off
63	DSL001: stop lamp/SEL	Off
64	DSL001: warning buzzer	Off
65	DSL002: CPC 2 (CAN) ignition status	On
66	DSL002: CPC 2 (CAN) starter sig status	Off
67	DSL002: engine protection	Off
68	DSL002: Motor Control Module (MCM) (wired) ignition status	On
69	DSL002: MCM (wired) starter sig status	Off
70	DSL002: maximum load mode	Off
71	DSL002: maximum speed limit mode	Off
72	DSL002: smoke limiter	On
73	DSL002: starter lock MCM	Off
74	DSL002: starter output MCM	Off
75	DSL002: starting tip switch (engine)	Off
76	DSL002: stop tip switch (engine)	Off
77	DSL003: HSW1 status (pin 41)	On
78	DSL003: HSW2 status (pin 39)	On
79	DSL003: Pulse-Width Modulation (PWM) 1 (pin 61) status	Off



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80	DSL003: Pulse-Width Modulation (PWM) 10 (pin 35) status	On	
81	DSL003: Pulse-Width Modulation (PWM) 11 (pin 37) status	Off	
82	DSL003: Pulse-Width Modulation (PWM) 12 (pin 65) status	Off	
83	DSL003: Pulse-Width Modulation (PWM) 13 (pin 66) status	Off	
84	DSL003: Pulse-Width Modulation (PWM) 2 (pin 63) status	Off	
85	DSL003: Pulse-Width Modulation (PWM) 3 (pin 92) status	Off	
86	DSL003: Pulse-Width Modulation (PWM) 4 (pin 94) status	Off	
87	DSL003: Pulse-Width Modulation (PWM) 5 (pin 31) status	Off	
88	DSL003: Pulse-Width Modulation (PWM) 6 (pin 33) status	Off	
89	DSL003: Pulse-Width Modulation (PWM) 7 (pin 32) status	Off	
90	DSL003: Pulse-Width Modulation (PWM) 8 (pin 34) status	Off	
91	DSL003: Pulse-Width Modulation (PWM) 9 (pin 36) status	Off	
92	AS077: fuel cut-off valve	0.000	%
93	AS089: waste gate request signal	0.0	%
94	AS090: waste gate return position	0.0	%
95	AS094: actual torque load	0.0	%
96	AS125: fuel filter status	11.0	%
97	AS133: EGR error btw actual and comded	0.00	%
98	AS134: commanded boost pressure	25.00	%
99	AS145: read throttle valve pos of PBS	SNV	%
100	AS151: throttle valve position 2	0.000	%
101	AS174: PWM f1 for module water pump clu	0.00	%



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102	AS176: oil level sensor coverage	0.00	%
103	ASL001: APCRS rail pressure valve pos	50.000	%
104	ASL004: Exhaust Gas Recirculation (EGR) actual valve position	0.000	%
105	ASL004: Exhaust Gas Recirculation (EGR) commanded governor value	42.000	%
106	ASL004: fan - (PWM 06)	100.000	%
107	ASL004: fuel doser injection status	0.000	%
108	ASL004: Jake brake 1 (PWM 13)	0.000	%
109	ASL004: jake brake 2 - (PWM 07)	0.000	%
110	ASL004: throttle valve actual position	0.000	%
111	ASL004: throttle valve commanded value	0.000	%
112	ASL004: Transfer Box (VTG) 1 governor value commanded	5.000	%
113	Idle speed balance values: cylinder 1	0.0	%
114	Idle speed balance values: cylinder 2	0.0	%
115	Idle speed balance values: cylinder 3	0.0	%
116	Idle speed balance values: cylinder 4	0.0	%
117	Idle speed balance values: cylinder 5	0.0	%
118	Idle speed balance values: cylinder 6	0.0	%
119	AS101: nozzle opening pressure actual	-1.0000	
120	AS127: sporadic defect sen no storeplace 1 frame IS1	0.0	
121	AS128: sporadic defect sen no storeplace 2 frame IS1	0.0	
122	AS129: sporadic defect sen no storeplace 1 frame IS4	0.0	



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123	AS130: sporadic defect sen no storeplace 2 frame IS4	0.0	
124	AS135: air/fuel ratio sensor output	0.00	
125	AS104: amplitudes of avg spectral line 1	0.000	rpm
126	AS105: amplitudes of avg spectral line 3	0.000	rpm
127	ASL002: engine speed	0.0	rpm
128	ASL002: maximum engine speed	1268.8	rpm
129	ASL002: Power Take-Off (PTO) set speed	Signal unavailable	rpm
130	ASL002: redundant engine speed	Signal unavailable	rpm
131	ASL002: requested engine speed	600.0	rpm
132	ASL002: turbo speed 1	0.0	rpm
133	ASL006: fan speed	0.0	rpm
134	ASL002: actual torque	0.0	N.m
135	ASL002: maximum available torque	0.0	N.m
136	ASL002: requested torque	0.0	N.m
137	AS166: Exhaust Gas Recirculation (EGR) position	0.00	V
138	ASL006: water level for fuel filter water separator	4.164	V
139	AS098: desired rail pressure	0.0	bar-abs
140	AS099: rail pressure deviation	-16.6	bar-abs
141	ASL001: rail pressure	16.4	bar-abs
142	ASL007: engine operating hours	25015.0	h
143	AS088: measured air mass	0.0000	kg/s
144	AS091: intake air flow rate	0.0000	kg/s



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145	AS132: fuel trim	0.00000	kg/s
146	AS150: engine inlet air mass flow rate 2	0.0000	kg/s
147	AS153: desired EGR mass flow rate	0.0000	kg/s
148	AS154: Exhaust Gas Recirculation (EGR) mass flow rate 2	0.0000	kg/s
149	ASL003: engine inlet air mass flow rate	0.0000	kg/s
150	AS160: average mileage per day	164.4	km/day
151	AS161: avg spd of veh doser fuel consump history currently not completed hrs cyc	0.00	mph
152	AS162: avg spd of veh doser fuel consump history of last fully completed hrs cyc	37.28	mph
153	ASL002: vehicle speed	0.00	mph
154	AS015: Oil level	0.00	gallon
155	AS155: total fuel consump since EHM cleared	120915.25	gallon
156	AS156: total doser fuel consump history of currently not completed hrs cyc	283.98	gallon
157	AS157: total doser fuel consump history over last fully completed hrs cycle	273.95	gallon
158	AS178: corrected oil reflux compensation	0.00	gallon
159	AS179: uncorrected oil vol (w/o reflux)	0.00	gallon
160	AS114: RPG compensation	0.000	gal/h(U S)
161	AS100: quantity control valve current	4.0	mA
162	AS121: quantity control valve desired current	0.0	mA
163	AS167: positive/negative measureable current from Exhaust Gas Recirculation (EGR) valve	0.0	mA
164	ASL006: battery voltage	12032.0	mV
165	AS036: Diesel Particulate Filter (DPF) inlet pressure	220.0	mbar



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166	AS037: Diesel Particulate Filter (DPF) outlet pressure	15.0	mbar
167	AS124: LPPO fuel pressure	7000.0	mbar
168	AS143: read inlet pressure of Power Booster System (PBS) (knorr)	Signal unavailable	mbar
169	AS144: read outlet pressure of Power Booster System (PBS) (knorr)	Signal unavailable	mbar
170	AS152: Exhaust Gas Recirculation (EGR) part 2 delta pressure	10.00	mbar
171	ASL003: diff pressure ICooler out	0.00	mbar
172	ASL003: doser fuel line pressure	3600.0	mbar
173	ASL003: Exhaust Gas Recirculation (EGR) delta pressure	10.00	mbar
174	ASL003: exhaust manifold pressure	10000.0	mbar
175	ASL003: fuel compensation pressure	0.0	mbar
176	ASL003: inlet manifold pressure	965.0	mbar
177	ASL003: oil pressure	0.0	mbar
178	ASL003: pressure ICooler out	966.6	mbar
179	ASL006: barometric pressure	970.0	mbar
180	AS086: requested fuel mass	16.58	mg/st
181	AS087: actual fuel mass	0.00	mg/st
182	AS126: fuel temperature 2 high counter	0.00	min
183	AS158: time passed since last doser fuel consump history reset	2719.8	min
184	AS177: time since last engine shutdown	0.0	min
185	ASL002: main injection time (average)	0.000	ms
186	ASL003: commanded EGR ratio	0.03180	ratio
187	AS106: speed increase, cylinder 1	0	rpm



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188	AS107: speed increase, cylinder 2	0	rpm
189	AS108: speed increase, cylinder 3	0	rpm
190	AS109: speed increase, cylinder 4	0	rpm
191	AS110: speed increase, cylinder 5	0	rpm
192	AS111: speed increase, cylinder 6	0	rpm
193	AS112: speed increase, cylinder 7	0	rpm
194	AS113: speed increase, cylinder 8	0	rpm
195	AS131: crankcase ventilator oil separator speed	0	rpm
196	AS171: desired speed of water pump	9	rpm
197	AS172: input drive for water pump	0	rpm
198	AS173: current speed of water pump	0	rpm
199	AS084: time since last complete DPF regen	0.00	s
200	AS097: water in fuel lifetime count	0.0	s
201	AS140: last engine start counter	0.0	s
202	AS142: NOx starter release counter	119.0	s
203	AS159: average counts of engine start for days of operation	SNV	starts/day
204	AS139: fuel injection timing	0.00	°
205	AS148: read actual VCP position	0.00	°
206	AS149: read limited VCP position	0.00	°
207	ASL002: main injection start (average)	0.00	°
208	AS040: Diesel Oxidation Catalyst (DOC) inlet temperature	122.00	°F



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209	AS041: Diesel Oxidation Catalyst (DOC) outlet temperature	122.00	°F
210	AS053: Diesel Particulate Filter (DPF) outlet temperature	122.00	°F
211	AS079: maximum DOC inlet temperature	1142.76	°F
212	AS080: maximum DOC outlet temperature	1289.30	°F
213	AS081: maximum DPF outlet temperature	1531.00	°F
214	AS168: Aftertreatment Control Module (ACM) ambient temperature	171.50	°F
215	AS169: coolant out temperature	70.50	°F
216	ASL005: charge air cooler outlet temperature	75.20	°F
217	ASL005: coolant temperature	69.80	°F
218	ASL005: coolant temperatures 2	69.80	°F
219	ASL005: Exhaust Gas Recirculation (EGR) temperature after cooler	32.00	°F
220	ASL005: exhaust manifold temperature	32.00	°F
221	ASL005: fuel temperature	69.80	°F
222	ASL005: inlet manifold temperature	75.20	°F
223	ASL005: oil temperature	69.80	°F
224	ASL005: temperature compressor in	118.40	°F
225	ASL005: temperature compressor out	356.00	°F
226	AS163: timing difference between camshaft and crankshaft	0.0	°CRK
227	AS164: maximum timing difference between camshaft and crankshaft	0.0	°CRK