

Vehicle information

2009 Jaguar XK (X150)

VIN: SAJAA43G099B28527

Mileage:

Diagnostic time: 2022-01-31 11:38:20

Diagnostic path: Automatic selection\Diagnosis\Control unit\PCM - Powertrain control module\Live data\

Data list

No.	Name	Value	Unit
0	Accelerator pedal position D	13.33	%
1	Accelerator pedal position E	32.16	%
2	Throttle position sensor	15.29	%
3	Oxygen sensor current, bank 1 - sensor 1 (wide range oxygen sensor)	-12	uA
4	Oxygen sensor current, bank 2 - sensor 1 (wide range oxygen sensor)	-66	uA
5	Barometric pressure	102	kpa
6	Calculated load value	21.96	%
7	Enable status of continuous monitors this monitoring cycle:	0	
8	Completion status of continuous monitors this monitoring cycle:	0	
9	Enable status of non-continuous monitors this monitoring cycle:	0	
10	Completion status of non-continuous monitors this monitoring cycle:	0	
11	Distance travelled while malfunction indicator activated	0	
12	Distance since diagnostic trouble codes cleared	0	
13	Engine coolant temperature	41	°C
14	Exhaust gas recirculation error	0.00	%
15	Commanded exhaust gas recirculation	0.00	%
16	Commanded equivalence ratio	1	
17	Equivalence ratio (lambda), bank 1 - sensor 1 (wide range oxygen sensor)	1	

18	Equivalence ratio (lambda), bank 2 - sensor 1 (wide range oxygen sensor)	1	
19	Monitor status since diagnostic trouble codes cleared - supported tests which are continuous	0	
20	Monitor status since diagnostic trouble codes cleared - status of continuous monitoring tests since diagnostic trouble code cleared	0	
21	Monitor status since diagnostic trouble codes cleared - supported tests run at least once per trip	0	
22	Monitor status since diagnostic trouble codes cleared - status of tests run at least once per trip	0	
23	Fuel level input	38.82	%
24	Fuel system status for bank 1	2	
25	Fuel system status for bank 2	2	
26	Intake air temperature	29	°C
27	Manifold absolute pressure sensor	47	kpa
28	Absolute load value	18.04	%
29	Long term fuel trim (bank 1)	9.38	%
30	Long term fuel trim (bank 2)	5.47	%
31	Number of warm-ups since last diagnostic trouble code was clear	0	
32	Oxygen sensor output voltage, bank 1 - sensor 2	0.74	V
33	Oxygen sensor output voltage, bank 2 - sensor 2	0.72	V
34	Engine speed	675	rpm
35	Ignition timing advance for cylinder 1	37.5	°
36	Short term fuel trim sensor 2 bank 1	0.00	%
37	Short term fuel trim sensor 2 bank 2	0.00	%
38	Short term fuel trim (bank 1)	-6.25	%
39	Short term fuel trim (bank 2)	-4.69	%
40	Commanded throttle actuator control	22.35	%
41	Absolute throttle position B	31.76	%
42	Relative throttle position	3.53	%

43	Time since the engine started	74	
44	Control module voltage	14.20	V
45	Vehicle speed	0	km/h
46	Brake switch 2 (central processor unit 1)	Off	
47	Brake switch 1 (central processor unit 1)	Off	
48	Park/neutral or clutch switch (central processor unit 1)	On	
49	Crank request input (central processor unit 1)	Off	
50	Ignition switch input (central processor unit 1)	On	
51	Starter motor relay monitor status	Off	
52	Engine input 1 - suspend switch pressed	Not pressed	
53	Engine input 1 - set-minus switch pressed	Not pressed	
54	Engine input 1 - gap-up switch pressed	Not pressed	
55	Engine input 1 - gap-down switch pressed	Not pressed	
56	Engine input 1 - set-plus switch pressed	Not pressed	
57	Engine input 1 - resume switch pressed	Not pressed	
58	Engine input 1 - release switch pressed	Pressed	
59	Engine input 1 - idle speed control active	On	
60	Engine input 1 - idle jack active - catalyst heat request	Off	
61	Engine input 1 - idle jack active - battery charge request	Off	
62	Engine input 1 - idle jack active - cooling request	Off	
63	Engine input 1 - idle jack active - heating ventilation and air conditioning	Off	
64	Engine input 3 - ignition switch	On	
65	Engine output 1 - fuel cut-off active	Off	
66	Engine output 1 - starter relay	Off	
67	Engine output 1 - engine management system relay	On	

68	Engine output 1 - engine management system warning lamp	Off
69	Engine output 1 - malfunction indicator warning lamp	Off
70	Engine output 1 - exhaust box actuator	Off
71	Engine output 1 - diagnostics module - tank leakage - test complete	Off
72	Engine output 1 - diagnostics module - tank leakage - heater active	On
73	Engine output 1 - diagnostics module - tank leakage - pump active	Off
74	Engine output 1 - diagnostics module - tank leakage - changeover valve active	Off
75	Engine output 2 - heated exhaust gas oxygen heater active - bank 2	On
76	Engine output 2 - heated exhaust gas oxygen heater active - bank 1	On
77	Engine output 2 - heated exhaust gas oxygen active - bank 2	On
78	Engine output 2 - heated exhaust gas oxygen active - bank 1	On
79	Engine output 2 - universal heated exhaust gas oxygen active - bank 2	On
80	Engine output 2 - universal heated exhaust gas oxygen active - bank 1	On
81	Engine output 2 - kick down	Off
82	Engine output 2 - purge active	Off
83	Engine output 2 - catalyst warm-up complete	Off
84	Engine output 2 - closed loop control active - bank 2	On
85	Engine output 2 - closed loop control active - bank 1	On
86	Location of oxygen sensors - Bank 1 sensor 1 present at that location	Yes
87	Location of oxygen sensors - Bank 1 sensor 2 present at that location	Yes
88	Location of oxygen sensors - Bank 1 sensor 3 present at that location	Yes
89	Location of oxygen sensors - Bank 1 sensor 4 present at that location	Yes
90	Location of oxygen sensors - Bank 2 sensor 1 present at that location	Yes
91	Location of oxygen sensors - Bank 2 sensor 2 present at that location	Yes
92	Location of oxygen sensors - Bank 2 sensor 3 present at that location	Yes

93	Location of oxygen sensors - Bank 2 sensor 4 present at that location	Yes	
94	Number of trouble codes set due to diagnostic test	0	
95	Air flow rate from mass air flow sensor - bank 1	9720	g/hr
96	Air flow rate from mass air flow sensor - bank 2	11520	g/hr
97	Sensor power supply monitor	5.00	V
98	Battery voltage	14.22	V
99	Throttle position sensor, track 1	0.76	V
100	Pedal position sensor 2	3.42	V
101	Throttle position sensor, track 2	1.61	V
102	Exhaust gas recirculation target position	0	
103	Air flow meter sensor voltage	1.14	V
104	Charge air cooler outlet air temperature	1.93	V
105	Engine oil temperature sensor voltage	2.39	V
106	Manifold absolute pressure sensor voltage	0.94	V
107	Variable valve timing bank 1 output duty ratio	9.79	%
108	Variable valve timing bank 2 output duty ratio	9.78	%
109	Fuel rail temperature sensor voltage	2.65	V
110	Pedal position sensor 1	0.67	V
111	Engine coolant temperature sensor voltage	1.23	V
112	Intake air temperature sensor voltage	2.09	V
113	Air box flap	0.00	%
114	Knock sensor total retard 1	0.0	°
115	Knock sensor total retard 4	0.0	°
116	Knock sensor total retard 5	0.0	°
117	Knock sensor total retard 6	0.0	°

118	Knock sensor total retard 7	0.0	°
119	Knock sensor total retard 8	0.0	°
120	Knock sensor total retard 2	0.0	°
121	Knock sensor total retard 3	0.0	°
122	Torque from torque monitor	-3.292	nm
123	Torque loss calculation	47.286	nm
124	Required brake torque	23.937	nm
125	Air conditioning load compensation	2.000	nm
126	Target idle speed	751	rpm
127	Engine off time counter	748.67	s
128	Previous run time	597248	s
129	Fuel rail pressure	383	kpa
130	Fuel rail pressure sensor voltage	3.72	V
131	Fuel rail temperature	30	°C
132	Target intake air flow	7	g/s
133	Engine oil temperature	36	°C
134	Atmospheric pressure sensor voltage	3.86	V
135	Lambda - bank 1	1	
136	Universal heated exhaust gas oxygen heater post-catalytic, bank 1	0	
137	Universal heated exhaust gas oxygen heater post-catalytic, bank 2	0	
138	Target ignition angle	38.3	°
139	Actual inlet variable valve timing position, bank 1	0.2	°
140	Actual inlet variable valve timing position, bank 2	0.1	°
141	Gear information	0	
142	Injector 1 Pulse width	1	s

143	Injector 4 Pulse width	1	s
144	Injector 5 Pulse width	1	s
145	Injector 6 Pulse width	1	s
146	Injector 7 Pulse width	1	s
147	Injector 8 Pulse width	2	s
148	Injector 2 Pulse width	1	s
149	Injector 3 Pulse width	2	s
150	Universal heated exhaust gas oxygen heater pre-catalytic, bank 1	0	s
151	Universal heated exhaust gas oxygen heater pre-catalytic, bank 2	0	s
152	Heated exhaust gas oxygen heater post catalyst - bank 1	95.72	%
153	Heated exhaust gas oxygen heater post catalyst - bank 2	95.72	%
154	Electronic fuel pump	20.97	%
155	Intake variable camshaft timing, bank 1	41.9	°
156	Intake variable camshaft timing - bank 2	45.7	°
157	Purge valve	0	
158	Throttle position	5.74	%
159	Exhaust gas recirculation stepper position	0	
160	Control module status	Default session	
161	Firing cycle counter (emission)	2320	
162	Cylinder 8 - Misfire counter	12	
163	Cylinder 1 - Misfire counter	9	
164	Cylinder 2 - Misfire counter	32	
165	Cylinder 7 - Misfire counter	10	
166	Cylinder 3 - Misfire counter	10	
167	Cylinder 4 - Misfire counter	2	

168	Cylinder 5 - Misfire counter	2	
169	Cylinder 6 - Misfire counter	26	
170	Cooling fan speed	9.00	%
