Vehicle information

2009 Jaguar XF (X250)

VIN: SAJAC07R091R32109

Mileage:

Diagnostic time: 2024-01-01 19:26:58

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

Data list

No.	Name	Value	Unit
0	Absolute load value	23.14	%
1	Knock sensor execution mode	0	
2	Knock sensor total retard 1	0.0	°
3	Knock sensor total retard 4	0.0	°
4	Knock sensor total retard 5	0.0	°
5	Knock sensor total retard 6	0.0	°
6	Knock sensor total retard 7	0.0	°
7	Knock sensor total retard 8	0.0	°
8	Knock sensor total retard 2	0.0	°
9	Knock sensor total retard 3	0.0	°
10	Lambda - bank 1	1	
11	Lambda - bank 2	1	
12	Engine load	--	
13	Electronic fuel pump	--	%
14	Purge valve	0	
15	Engine output 1 - fuel cut-off active	--	
16	Engine output 1 - starter relay	--	
17	Engine output 1 - engine management system relay	--	

18	Engine output 1 - secondary air injection valve drive	Off	
19	Engine output 1 - secondary air injection pump relay drive	--	
20	Engine output 1 - speed control lamp	--	
21	Engine output 1 - engine management system warning lamp	--	
22	Engine output 1 - malfunction indicator warning lamp	Off	
23	Engine output 1 - diagnostics module - tank leakage - test complete	Off	
24	Engine output 1 - diagnostics module - tank leakage - heater active	On	
25	Engine output 1 - diagnostics module - tank leakage - pump active	Off	
26	Engine output 1 - diagnostics module - tank leakage - changeover valve active	Off	
27	Location of oxygen sensors - bank 1 sensor 1 present at that location	Yes	
28	Location of oxygen sensors - bank 1 sensor 2 present at that location	Yes	
29	Location of oxygen sensors - bank 2 sensor 1 present at that location	Yes	
30	Location of oxygen sensors - bank 2 sensor 2 present at that location	Yes	
31	Number of trouble codes set due to diagnostic test	2	
32	Intake air temperature sensor voltage bank 2	0.94	V
33	Air flow rate from mass air flow sensor - bank 1	--	g/hr
34	Air flow rate from mass air flow sensor - bank 2	--	g/hr
35	Sensor power supply monitor	--	V
36	Speed control switch input ladder voltage	--	V
37	Battery voltage	--	V
38	Throttle position sensor, track 1	--	V
39	Pedal position sensor 2	--	V
40	Throttle position sensor, track 2	--	V
41	Exhaust gas recirculation target position	0	
42	Air flow meter sensor voltage	--	V

43	Charge air cooler outlet air temperature	--	V
44	Engine oil temperature sensor voltage	--	V
45	Manifold absolute pressure sensor voltage	--	V
46	Variable valve timing bank 1 output duty ratio	--	%
47	Variable valve timing bank 2 output duty ratio	10.19	%
48	Cooling fan speed	--	%
49	Air conditioning high pressure sensor voltage	--	V
50	Fuel rail temperature sensor voltage	1.02	V
51	Pedal position sensor 1	--	V
52	Engine coolant temperature sensor voltage	--	V
53	Intake air temperature sensor voltage	1.06	V
54	Air box flap	--	%
55	Torque from torque monitor	-26.915	nm
56	Torque loss calculation	50.846	nm
57	Required brake torque	7.663	nm
58	Air conditioning load compensation	2.000	nm
59	Target idle speed	650	rpm
60	Engine off time counter	141.85	s
61	Previous run time	57600	s
62	Fuel rail pressure	380	kpa
63	Fuel rail pressure sensor voltage	3.64	V
64	Fuel rail temperature	71	°C
65	Engine oil temperature	80	°C
66	Atmospheric pressure sensor voltage	3.83	V
67	Target ignition angle	-1.6	°

68	Actual inlet variable valve timing position, bank 1	0.1	°
69	Actual inlet variable valve timing position, bank 2	0.1	°
70	Gear information	0	
71	Injector 1 pulse width	2	s
72	Injector 4 pulse width	2	s
73	Injector 5 pulse width	1	s
74	Injector 6 pulse width	2	s
75	Injector 7 pulse width	2	s
76	Injector 8 pulse width	2	s
77	Injector 2 pulse width	2	s
78	Injector 3 pulse width	2	s
79	Universal heated exhaust gas oxygen heater pre-catalytic, bank 1	0	s
80	Universal heated exhaust gas oxygen heater pre-catalytic, bank 2	0	s
81	Heated exhaust gas oxygen heater post catalyst - bank 1	90.76	%
82	Heated exhaust gas oxygen heater post catalyst - bank 2	90.76	%
83	Intake variable camshaft timing, bank 1	40.0	°
84	Intake variable camshaft timing - bank 2	45.2	°
85	Throttle position	2.74	%
86	Exhaust gas recirculation stepper position	0	
87	Calculated load value	22.75	%
88	Engine coolant temperature	92	°C
89	Short term fuel trim bank 1	-1.56	%
90	Long term fuel trim bank 1	-6.25	%
91	Short term fuel trim bank 2	-2.34	%
92	Long term fuel trim bank 2	-3.91	%

93	Fuel rail pressure - gauge	318	kpa
94	Manifold absolute pressure sensor	41	kpa
95	Engine speed	644	rpm
96	Vehicle speed	0	km/h
97	Ignition timing advance for cylinder 1	-0.5	°
98	Intake air temperature	61	°C
99	Mass air flow	6	g/s
100	Absolute throttle position	13.33	%
101	Time since the engine started	66	s
102	Distance travelled since the malfunction indicator lamp was activated	0	km
103	Fuel level input	80.00	%
104	Number of warm-ups since last diagnostic trouble code was clear	3	
105	Distance since diagnostic trouble codes cleared	65	km
106	Barometric pressure	102	kpa
107	Control module voltage	--	V
108	Commanded equivalence ratio	--	
109	Relative throttle position	1.57	%
110	Ambient air temperature	--	°C
111	Absolute throttle position B	30.59	%
112	Accelerator pedal position sensor - circuit D	13.33	%
113	Accelerator pedal position sensor - circuit E	--	%
114	Commanded throttle actuator control	19.61	%
115	Combined misfire information - cylinder 1 - misfire counts for catalyst damage	0	
116	Combined misfire information - cylinder 2 - misfire counts for emissions failure	0	
117	Combined misfire information - cylinder 3 - misfire counts for emissions failure	0	

118	Combined misfire information - cylinder 4 - misfire counts for emission s failure	0	
119	Combined misfire information - cylinder 5 - misfire counts for emission s failure	0	
120	Combined misfire information - cylinder 6 - misfire counts for emission s failure	0	
121	Combined misfire information - cylinder 7 - misfire counts for emission s failure	0	
122	Combined misfire information - cylinder 8 - misfire counts for emission s failure	0	
123	Combined misfire information - firing cycle counter (catalyst)	376	
124	Combined misfire information - firing cycle counter (emission)	2780	
125	Combined misfire information - cylinder 2 - misfire counts for catalyst damage	0	
126	Combined misfire information - total misfire counts for catalyst damage during this trip	0	
127	Combined misfire information - total misfire counts for emissions failure during this trip	0	
128	Combined misfire information - engine speed limit for completed adapti on's	31	rpm
129	Combined misfire information - catalyst damage output counter - cylin der 1	0	
130	Combined misfire information - catalyst damage output counter - cylin der 2	0	
131	Combined misfire information - catalyst damage output counter - cylin der 3	0	
132	Combined misfire information - catalyst damage output counter - cylin der 4	0	
133	Combined misfire information - cylinder 3 - misfire counts for catalyst damage	0	
134	Combined misfire information - catalyst damage output counter - cylin der 5	0	
135	Combined misfire information - catalyst damage output counter - cylin der 6	0	
136	Combined misfire information - catalyst damage output counter - cylin der 7	0	
137	Combined misfire information - catalyst damage output counter - cylin der 8	0	
138	Combined misfire information - number of catalyst damage judgments	6	
139	Combined misfire information - number of emissions fail judgments	1	
140	Combined misfire information - fuel cut-off execution flag - bank 2	False	
141	Combined misfire information - fuel cut-off execution flag - bank 1	True	

142	Combined misfire information - adaptive condition flag	False	
143	Combined misfire information - misfire judgement execution flag	False	
144	Combined misfire information - misfire measurement period indicator	1	
145	Combined misfire information - cylinder 4 - misfire counts for catalyst damage	0	
146	Combined misfire information - cylinder 5 - misfire counts for catalyst damage	0	
147	Combined misfire information - cylinder 6 - misfire counts for catalyst damage	0	
148	Combined misfire information - cylinder 7 - misfire counts for catalyst damage	0	
149	Combined misfire information - cylinder 8 - misfire counts for catalyst damage	0	
150	Combined misfire information - cylinder 1 - misfire counts for emission s failure	0	
151	Firing cycle counter (emission)	1071	
152	Cylinder 8 - misfire counter	0	
153	Cylinder 1 - misfire counter	0	
154	Cylinder 2 - misfire counter	0	
155	Cylinder 7 - misfire counter	0	
156	Cylinder 3 - misfire counter	0	
157	Cylinder 4 - misfire counter	0	
158	Cylinder 5 - misfire counter	0	
159	Cylinder 6 - misfire counter	0	
160	Oxygen sensor output voltage, bank 1 - sensor 2	0.09	V
161	Short term fuel trim sensor 2 bank 1	-1.56	%
162	Oxygen sensor output voltage, bank 2 - sensor 2	0.14	V
163	Short term fuel trim sensor 2 bank 2	-1.56	%
164	Oxygen sensor current, bank 1 - sensor 1 (wide range oxygen sensor)	-12	uA
165	Oxygen sensor current, bank 2 - sensor 1 (wide range oxygen sensor)	-27	uA