

Vehicle information

Land Rover 2011-2012 Freelander

VIN: SALFR2BN5CH311782

Diagnostics time: 2024/06/02 07:16

Path: Manual selection > Freelander > 2011-2012 > Petrol I6 > Diagnosis > Control unit > TCM - Transmission control module > Live data >

Data list

NO.	Name	Value	Unit
1	Gear shift module status - Commanded shift up	No	
2	Gear shift module status - Commanded shift down	No	
3	Gear shift module status - Commanded shift status	No	
4	Gear shift module status - Shift lock locked in park position	Yes	
5	Gear shift module status - Winter mode requested	No	
6	Gear shift module status - Gear shift module in park position	Yes	
7	Gear shift module status - Sport mode active	False	
8	Gear shift module status - Local interconnection network error	False	
9	E2 program read only memory - Error when on board diagnostics 2 (OBD2) page 1 was written	OK	
10	E2 program read only memory - Error when on board diagnostics 2 (OBD2) page 2 was written	OK	
11	E2 program read only memory - Error when D2 protocol data was written	OK	
12	E2 program read only memory - Error when non volatile RAM was written	OK	
13	E2 program read only memory - Error when writing diagnose logging data	OK	
14	E2 program read only memory - Error when writing diagnose permanent data	OK	
15	E2 program read only memory - Error when writing Volvo load logging data	OK	
16	E2 program read only memory - Error when Aisin Warner keep-area was written	False	
17	E2 program read only memory - Error when on board diagnostics 2 (OBD2) page 1 was written	False	
18	E2 program read only memory - Error when on board diagnostics 2 (OBD2) page 2 was written	False	
19	E2 program read only memory - Error when D2 protocol data was written	False	
20	E2 program read only memory - Error when non volatile RAM was written	False	
21	E2 program read only memory - Error when writing diagnostic permanent-data while in SYS_RUNNING or in SYS_RESTARTWAIT	False	
22	Gear selector_Q - Normal	Yes	
23	Gear selector_Q - Reduced	No	
24	Gear selector_Q - Unstable	No	
25	Gear selector_Q - Detecting	No	

26	Gear selector_Q - Failure	No
27	Gear selector_Q - Initialisation reduced	No
28	Gear selector_Q - Has detected	No
29	Oil temp_Q - Normal	
30	Oil temp_Q - Reduced	No
31	Oil temp_Q - Unstable	
32	Oil temp_Q - Detecting	No
33	Oil temp_Q - Failure	No
34	Oil temp_Q - Initialisation reduced	Yes
35	Oil temp_Q - Has detected	No
36	Output rpm_Q - Normal	Yes
37	Output rpm_Q - Reduced	
38	Output rpm_Q - Unstable	
39	Output rpm_Q - Detecting	
40	Output rpm_Q - Failure	
41	Output rpm_Q - Initialisation reduced	Yes
42	Output rpm_Q - Has detected	No
43	Input rpm_Q - Normal	Yes
44	Input rpm_Q - Reduced	
45	Input rpm_Q - Unstable	
46	Input rpm_Q - Detecting	
47	Input rpm_Q - Failure	No
48	Input rpm_Q - Initialisation reduced	Yes
49	Input rpm_Q - Has detected	No
50	Gear ratio_Q - Normal	Yes
51	Gear ratio_Q - Reduced	
52	Gear ratio_Q - Unstable	No
53	Gear ratio_Q - Detecting	No
54	Gear ratio_Q - Failure	No
55	Gear ratio_Q - Initialisation reduced	No
56	Gear ratio_Q - Has detected	No
57	Engine speed_Q - Normal	Yes
58	Engine speed_Q - Reduced	
59	Engine speed_Q - Unstable	No
60	Engine speed_Q - Detecting	No
61	Engine speed_Q - Failure	No
62	Engine speed_Q - Initialisation reduced	Yes
63	Engine speed_Q - Has detected	No

64	Crankshaft torque_Q - Normal	Yes	
65	Crankshaft torque_Q - Reduced	No	
66	Crankshaft torque_Q - Unstable	No	
67	Crankshaft torque_Q - Detecting	No	
68	Crankshaft torque_Q - Failure	No	
69	Crankshaft torque_Q - Initialisation reduced	Yes	
70	Crankshaft torque_Q - Has detected	No	
71	Vehicle speed_ABS_Q - Normal	Yes	
72	Vehicle speed_ABS_Q - Reduced	No	
73	Vehicle speed_ABS_Q - Unstable	No	
74	Vehicle speed_ABS_Q - Detecting	No	
75	Vehicle speed_ABS_Q - Failure	No	
76	Vehicle speed_ABS_Q - Initialisation reduced	Yes	
77	Vehicle speed_ABS_Q - Has detected	No	
78	CAN_Q - Normal	Yes	
79	CAN_Q - Reduced	No	
80	CAN_Q - Unstable	No	
81	CAN_Q - Detecting	No	
82	CAN_Q - Failure	No	
83	CAN_Q - Initialisation reduced	No	
84	CAN_Q - Has detected	No	
85	Local interlock network_Q - Normal	Yes	
86	Local interlock network_Q - Reduced	No	
87	Local interlock network_Q - Unstable	No	
88	Local interlock network_Q - Detecting	No	
89	Local interlock network_Q - Failure	No	
90	Local interlock network_Q - Initialisation reduced	No	
91	Local interlock network_Q - Has detected	No	
92	Unusual shift_Q - Normal	Yes	
93	Unusual shift_Q - Reduced	No	
94	Unusual shift_Q - Unstable	No	
95	Unusual shift_Q - Detecting	No	
96	Unusual shift_Q - Failure	No	
97	Unusual shift_Q - Initialisation reduced	Yes	
98	Unusual shift_Q - Has detected	No	
99	Transmission output shaft speed - Calculated from ABS vehicle speed	0	rpm
100	Measured slip across the torque convertor	0	rpm
101	Measured transmission gear ratio	16	

102	Commanded transmission gear ratio	4148	
103	Actual output shaft speed	0	rpm
104	Pressure control solenoid A current - Desired	1.000	A
105	Gearbox input shaft speed	0	rpm
106	Transmission oil temperature - measured	35.60	°F
107	Pressure control solenoid A current - Measured	1.000	A
108	Pressure control solenoid B current - Desired	0.200	A
109	Pressure control solenoid F current - Desired	1.000	A
110	Pressure control solenoid C current - Desired	1.000	A
111	Pressure control solenoid D current - Desired	1.000	A
112	Pressure control solenoid E current - Desired	1.000	A
113	Pressure control solenoid B current - Measured	0.200	A
114	Pressure control solenoid F current - Measured	1.000	A
115	Pressure control solenoid C current - Measured	1.000	A
116	Pressure control solenoid D current - Measured	1.000	A
117	Pressure control solenoid E current - Measured	1.000	A
118	High speed network management bus off restart counter	0	
119	Error counter	0	
120	Torque control reduction request	1475.124	lbf ft
121	Transmission control module - Vehicle speed - Actual	0.00	mph
122	Engine control module - Engine speed	0	rpm
123	Cranks shaft torque	-333.378	lbf ft
124	Accelerator pedal position	0.00	%
125	Oil temperature sensor	84.20	°F
126	Oil temperature sensor - Change	32.00	°F
127	Tyre circumference	2260000	m
128	Crank shaft torque limit request	1475.124	lbf ft
129	Absolute throttle position	14.12	%
130	Calculated load value	0.00	%
131	Engine coolant temperature	78.80	°F
132	Engine speed	0	rpm
133	Vehicle speed	0.00	mph
134	Absolute throttle position	28.24	%
135	Time since engine started	0	s
136	Control module voltage	12.04	V
137	Vehicle configuration parameter faults - Number of invalid vehicle configuration parameter values recognised	0	
138	Vehicle configuration parameter faults - Fifth Parameter number of the vehicle configuration data that is invalid	0	

139	Vehicle configuration parameter faults - Fifth Parameter invalid value	0
140	Vehicle configuration parameter faults - Sixth Parameter number of the vehicle configuration data that is invalid	0
141	Vehicle configuration parameter faults - Sixth Parameter invalid value	0
142	Vehicle configuration parameter faults - Seventh Parameter number of the vehicle configuration data that is invalid	0
143	Vehicle configuration parameter faults - Seventh Parameter invalid value	0
144	Vehicle configuration parameter faults - Eighth Parameter number of the vehicle configuration data that is invalid	0
145	Vehicle configuration parameter faults - Eighth Parameter invalid value	0
146	Vehicle configuration parameter faults - Ninth Parameter number of the vehicle configuration data that is invalid	0
147	Vehicle configuration parameter faults - Ninth Parameter invalid value	0
148	Vehicle configuration parameter faults - First Parameter number of the vehicle configuration data that is invalid	0
149	Vehicle configuration parameter faults - Tenth Parameter number of the vehicle configuration data that is invalid	0
150	Vehicle configuration parameter faults - Tenth Parameter invalid value	0
151	Vehicle configuration parameter faults - First Parameter invalid value	0
152	Vehicle configuration parameter faults - Second Parameter number of the vehicle configuration data that is invalid	0
153	Vehicle configuration parameter faults - Second Parameter invalid value	0
154	Vehicle configuration parameter faults - Third Parameter number of the vehicle configuration data that is invalid	0
155	Vehicle configuration parameter faults - Third Parameter invalid value	0
156	Vehicle configuration parameter faults - Fourth Parameter number of the vehicle configuration data that is invalid	0
157	Vehicle configuration parameter faults - Fourth Parameter invalid value	0
158	Torque converter lockup - calculated by strategy	Lockup off desired
159	Torque converter lockup state - measured	Lockup off
160	Torque converter lockup state	Unknown/invalid
161	Gear display	Park
162	Start lock output activation state	Enabled
163	Solenoid 1_Solenoid 2_Commanded	S1 and S2 off
164	Gear engaged	Reverse gear
165	Gear desired	First gear
166	Solenoid 1 feedback, solenoid 1 driver status	Off
167	Solenoid 2 feedback, solenoid 2 driver status	Off
168	Startlock feedback	Not activated
169	CAN ignition key quality factor	Normal