

Vehicle Diagnostic Report

2010 Prius 2ZR-FXE

111

Printed By: Default User(1)

25.11.2023 17:51:34

Diagnostic Trouble Code Report Hybrid Control(1 of 1)

Code	Description	Current	Pending	History	Permanent	Summary	Freeze Frame
P0A0F	Engine Failed to Start	X		X		Icon E	Y

Freeze Frame Data Report P0A0F(1 of 3)

Parameter	Value					Unit
	-3	-2	-1	0	1	
Engine Coolant Temp	70	70	70	70	70	F
Engine Revolution	992	960	992	960	736	rpm
Vehicle Spd	0	0	0	0	0	MPH
Engine Run Time	8	9	9	9	9	s
+B	14,43	14,43	14,43	14,43	14,43	V
Accel Pedal Pos #1	16,0	16,0	16,0	16,0	16,0	%
Accel Pedal Pos #2	31,7	31,7	31,7	31,7	31,7	%
Ambient Temperature	57	57	57	57	57	F
Intake Air Temperature	68	68	68	68	68	F
DTC Clear Warm Up	0	0	0	0	0	
DTC Clear Run Distance	0	0	0	0	0	mile
DTC Clear Min	0	0	0	0	0	min
MAP	-1	-1	-1	-1	-6	psi(gauge)
Atmosphere Pressure	-1	-1	-1	-1	-1	psi(gauge)
Motor(MG2) Revolution	-4	0	1	-1	0	rpm
Motor(MG2) Torq	0,00	0,00	-0,13	0,00	-15,25	Nm
M(MG2) Trq Exec Val	0,00	0,00	-0,25	0,00	-12,38	Nm
Generator(MG1) Rev	3580	3558	3565	3595	2328	rpm
Generator(MG1) Torq	2,37	3,00	2,12	2,75	-11,00	Nm
G(MG1) Trq Exec Val	2,62	3,37	2,25	3,37	-9,25	Nm
Regenerative Brake Torq	0,0	0,0	0,0	0,0	0,0	Nm
Rqst Regen Brake Torq	0,0	0,0	0,0	0,0	0,0	Nm
Inverter Temp-(MG1)	68	68	68	68	73	F
Inverter Temp-(MG2)	66	66	66	66	70	F
Motor Temp No2	70	70	70	70	70	F
Motor Temp No1	66	66	66	66	66	F
Accelerator Degree	0,0	0,0	0,0	0,0	0,0	%
Request Power	8870	8870	8870	8870	0	W
Target Engine Rev	1000	1000	1000	1000	693	rpm
Engine Rev (Sensor)	1014	998	1008	1001	831	rpm
State of Charge (All Bat)	21,9	21,9	21,9	21,9	21,9	%
Master Cylinder Ctrl Trq	0,0	0,0	0,0	0,0	0,0	Nm
Power Resource VB	201,0	200,0	201,0	199,0	205,0	V
Power Resource IB	9,74	12,19	10,23	13,65	-4,43	A
VL-Voltage before Boosting	200	199	200	199	204	V
VH-Voltage after Boosting	199	198	199	198	262	V
Boost Ratio	0,0	0,0	0,0	0,0	14,0	%
Drive Condition ID	3	3	3	3	1	
Shift Sensor Main	2,22	2,22	2,22	2,22	2,22	V
Shift Sensor Sub	2,24	2,24	2,24	2,24	2,24	V
Shift Sensor Select Main	1,42	1,42	1,42	1,42	1,42	V
Shift Sensor Select Sub	1,48	1,48	1,48	1,48	1,48	V
Shift Sensor Shift Pos	P	P	P	P	P	
Crank Position	-8	-82	22	-72	-6	deg (CA)
A/C Consumption Pwr	0	0	0	0	0	W
Short Wave Highest Val	4,98	4,98	4,98	4,98	4,06	V

Freeze Frame Data Report
POAOF(2 of 3)

Parameter	Value					Unit
	-3	-2	-1	0	1	
MG1 Control Mode	2	2	2	2	0	
MG1 Carrier Frequency	5,00	5,00	5,00	5,00	10,00	kHz
MG2 Control Mode	0	0	0	0	0	
MG2 Carrier Frequency	2,50	2,50	2,50	2,50	2,50	kHz
Num of Current Code	0	0	0	0	1	
Num of History Code	0	0	0	0	1	
Calculate Load	100,0	100,0	100,0	100,0	80,3	%
Throttle Position	25,4	25,4	25,4	25,4	13,3	%
DCDC Cnv Tar Pulse Duty	68,5	68,5	68,5	68,5	63,3	%
Inverter Coolant Water Temperature	70	70	70	70	70	F
Cooling Fan 0	34,5	34,5	34,5	34,5	34,5	%
Cooling Fan Relay	ON	ON	ON	ON	ON	
Inverter W/P Revolution	3500	3500	3500	3500	3500	rpm
Prohibit DC/DC conv sig	OFF	OFF	OFF	OFF	OFF	
EV Request	OFF	OFF	OFF	OFF	OFF	
Request Driving Force	0,0	0,0	0,0	0,0	0,0	N
Primary DF Rqst on CCS	Pedal	Pedal	Pedal	Pedal	Pedal	
Operator Override	Notctrl	Notctrl	Notctrl	Notctrl	Notctrl	
Accelerator Info for DSS	OFF	OFF	OFF	OFF	OFF	
Gradient of Road Surface	0,1	0,0	0,1	0,1	0,0	m/s2
TRC OFF Switch	OFF	OFF	OFF	OFF	OFF	
IPA Creep up Rate	1,0	1,0	1,0	1,0	1,0	
IPA Control Signal	OFF	OFF	OFF	OFF	OFF	
Permit Start by Immobiliser	Norml	Norml	Norml	Norml	Norml	
Immobiliser Communication	ON	ON	ON	ON	ON	
Starter Switch	OFF	OFF	OFF	OFF	OFF	
Inv-T (MG1) afr IG-ON	66	66	66	66	66	F
Inv-T (MG2) afr IG-ON	68	68	68	68	68	F
Mtr-T (MG2) afr IG-ON	66	66	66	66	66	F
Conv-Tmp after IG-ON	68	68	68	68	68	F
SOC after IG-ON	22,5	22,5	22,5	22,5	22,5	%
Inv-Temp (MG1) Max	82	82	82	82	82	F
Inv-Temp (MG2) Max	73	73	73	73	73	F
Mtr-Temp (MG2) Max	66	66	66	66	66	F
Converter Temp Max	82	82	82	82	82	F
Status of Charge Max	22,5	22,5	22,5	22,5	22,5	%
Status of Charge Min	21,5	21,5	21,5	21,5	21,5	%
Stop Light Switch	OFF	OFF	OFF	OFF	OFF	
Auxiliary Batt Temperature	59	59	59	59	59	F
Collision Signal (Airbag)	OFF	OFF	OFF	OFF	OFF	
TC Terminal	OFF	OFF	OFF	OFF	OFF	
Inter Lock Switch	OFF	OFF	OFF	OFF	OFF	
EV Switch	OFF	OFF	OFF	OFF	OFF	
Back Up Lamp Relay	OFF	OFF	OFF	OFF	OFF	
ECO Mode	OFF	OFF	OFF	OFF	OFF	
Generate Torque	75,1	74,3	72,5	74,3	79,0	Nm
Prohibit Charge for P Pos	OFF	OFF	OFF	OFF	OFF	
Vehicle Parking (T/M Ctrl)	ON	ON	ON	ON	ON	
Shift Pos Status (T/M Ctrl)	P	P	P	P	P	
Shift P Permission Signal	ON	ON	ON	ON	ON	
DC/DC Cnv Temp (Upper)	66	66	66	66	72	F
Safing Signal (Airbag)	OFF	OFF	OFF	OFF	OFF	
DC/DC Cnv Temp (Lower)	66	66	66	66	68	F
Normal Signal for A/B ECU	ON	ON	ON	ON	ON	
Mtr-T (MG1) afr IG-ON	70	70	70	70	70	F
Mtr-Temp (MG1) Max	70	70	70	70	70	F
Overvoltage Input to Conv	OFF	OFF	OFF	OFF	OFF	
Overvoltage Input to Inv	OFF	OFF	OFF	OFF	OFF	
Emergency Shutdown	OFF	OFF	OFF	OFF	OFF	
MG1 Inverter Shutdown	OFF	OFF	OFF	OFF	OFF	
MG1 Inverter Fail	OFF	OFF	OFF	OFF	OFF	
MG2 Inverter Shutdown	OFF	OFF	OFF	OFF	OFF	
MG2 Inverter Fail	OFF	OFF	OFF	OFF	OFF	
Conv Shutdown	OFF	OFF	OFF	OFF	OFF	
Converter Fail	OFF	OFF	OFF	OFF	OFF	
P Pos SW Terminal Vol	2,63	2,63	2,63	2,63	2,63	V
Internal Shift Position	P	P	P	P	P	
P Rq Malfunction (T/M Ctrl)	Norml	Norml	Norml	Norml	Norml	
P Request (T/M Ctrl)	ON	ON	ON	ON	ON	
T/M Control ECU State	Norml	Norml	Norml	Norml	Norml	
T/M ECU Pulse Consec Err	Norml	Norml	Norml	Norml	Norml	

Freeze Frame Data Report
POAOF(3 of 3)

Parameter	Value					Unit
	-3	-2	-1	0	1	
T/M ECU Pulse Single Err	Norml	Norml	Norml	Norml	Norml	
HV Start Condition	Norml	Norml	Norml	Norml	Norml	
(Inverter) W/P Run Control Duty	62,50	62,50	62,50	62,50	62,50	%
Engine Stop Request	No	No	No	No	Request	
Engine Idling Request	No	No	No	No	No	
Main Batt Charging Rqst	Request	Request	Request	Request	No	
Aircon Request	No	No	No	No	No	
Engine Warming Up Rqst	Request	Request	Request	Request	Request	
SMRP Status	OFF	OFF	OFF	OFF	OFF	
SMRB Status	ON	ON	ON	ON	ON	
SMRG Status	ON	ON	ON	ON	ON	
MG1 Gate Status	OFF	OFF	OFF	OFF	OFF	
MG2 Gate Status	OFF	OFF	OFF	OFF	OFF	
Converter Gate Status	OFF	OFF	OFF	OFF	OFF	
Aircon Gate Status	ON	ON	ON	ON	OFF	
Converter Carrier Freq	9.55	9.55	9.55	9.55	9.55	kHz
Delta SOC	0,0	0,0	0,0	0,0	0,0	%
Batt Pack Current Val	10,92	10,94	10,36	11,26	-5,27	A
Inhaling Air Temp	61,5	61,5	61,5	61,5	61,5	F
VMF Fan Motor Voltage1	1,4	1,4	1,3	1,3	1,4	V
Auxiliary Battery Vol	14,35	14,34	14,35	14,35	14,35	V
Charge Control Value	-20,0	-20,0	-20,0	-20,0	-20,0	KW
Discharge Control Value	8,0	8,0	8,0	8,0	8,0	KW
Cooling Fan Mode1	1	1	1	1	1	
ECU Control Mode	0	0	0	0	0	
Standby Blower Request	OFF	OFF	OFF	OFF	OFF	
Temp of Batt TB1	61,5	61,3	61,3	61,3	61,3	F
Temp of Batt TB2	61,3	61,2	61,3	61,3	61,3	F
Temp of Batt TB3	61,2	61,3	61,3	61,3	61,2	F
Battery Block Vol -V01	14,35	14,38	14,35	14,38	14,43	V
Battery Block Vol -V02	14,33	14,35	14,30	14,33	14,35	V
Battery Block Vol -V03	14,28	14,30	14,25	14,25	14,52	V
Battery Block Vol -V04	14,33	14,30	14,25	14,25	14,52	V
Battery Block Vol -V05	14,27	14,27	14,30	14,30	14,39	V
Battery Block Vol -V06	14,28	14,30	14,25	14,30	14,35	V
Battery Block Vol -V07	14,28	14,28	14,28	14,25	14,55	V
Battery Block Vol -V08	14,28	14,28	14,28	14,25	14,52	V
Battery Block Vol -V09	14,30	14,30	14,30	14,33	14,47	V
Battery Block Vol -V10	14,33	14,33	14,30	14,30	14,47	V
Battery Block Vol -V11	14,28	14,30	14,28	14,28	14,57	V
Battery Block Vol -V12	14,30	14,30	14,28	14,25	14,55	V
Battery Block Vol -V13	14,35	14,35	14,33	14,38	14,52	V
Battery Block Vol -V14	14,38	14,40	14,35	14,38	14,52	V
Pattern Switch (PWR/M)	OFF	OFF	OFF	OFF	OFF	
Detail Code 1	N/A.	N/A.	N/A.	0	N/A.	
Detail Code 2	N/A.	N/A.	N/A.	204	N/A.	
Detail Code 3	N/A.	N/A.	N/A.	0	N/A.	
Detail Code 4	N/A.	N/A.	N/A.	0	N/A.	
Detail Code 5	N/A.	N/A.	N/A.	0	N/A.	