Vehicle Diagnostic Report

2012 Prius V 2ZR-FXE

JTDZN3EU2C3049578

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Diagnostic Trouble Code Report

Hybrid Control(1 of 1)

Code	Description	Current	Pending	History	Permanent	Summary	Freeze Frame
P0A80	Replace Hybrid Battery Pack		X		X	Icon D	Y

Freeze Frame Data Report

P0A80(Pending)(1 of 3)

Parameter	Value	Unit
Engine Coolant Temp	190	F
Engine Revolution	1088	rpm
Vehicle Spd	0	MPH
Engine Run Time	552	s
+B	14.02	V
Accel Pedal Pos #1	15.6	%
Accel Pedal Pos #2	31.7	%
Ambient Temperature	93	F
Intake Air Temperature	136	F
DTC Clear Warm Up	0	
DTC Clear Run Distance	0	mile
DTC Clear Min	0	min
MAP	-5	psi(gauge)
Atmosphere Pressure	-0	psi(gauge)
Ready Signal	ON	
Motor(MG2) Revolution	0	rpm
Motor(MG2) Torq	-16.63	Nm
M(MG2) Trq Exec Val	-13.75	Nm
Generator(MG1) Rev	3959	rpm
Generator(MG1) Torq	-16.88	Nm
G(MG1) Trq Exec Val	-15.88	Nm
Regenerative Brake Torq	0.0	Nm
Rqst Regen Brake Torq	0.0	Nm
Inverter Temp-(MG1)	144	F
Inverter Temp-(MG2)	136	F
Motor Temp No2	154	F
Motor Temp No1	127	F
Accelerator Degree	0.0	%
Request Power	6810	W
Target Engine Rev	1076	rpm
Engine Rev (Sensor)	1101	rpm
State of Charge (All Bat)	32.1	%
Master Cylinder Ctrl Trq	0.0	Nm
Power Resource VB	236.0	V
Power Resource IB	-17.60	A
Power Supply Sensor Voltage	5.00	V
VL-Voltage before Boosting	239	V
VH-Voltage after Boosting	440	V
Boost Ratio	42.0	%
Drive Condition ID	3	
Shift Sensor Main	2.71	V
Shift Sensor Sub	2.69	V
Shift Sensor Select Main	1.48	V
Shift Sensor Select Sub	1.40	V
Shift Sensor Shift Pos	P	
Crank Position	29	deg (CA)
A/C Consumption Pwr	1100	W
Short Wave Highest Val	4.98	V

Freeze Frame Data Report
P0A80(Pending)(2 of 3)

Parameter	Value	Unit
MG1 Control Mode	0	
MG1 Carrier Frequency	10.00	kHz
MG2 Control Mode	0	
MG2 Carrier Frequency	2.50	kHz
Num of Current Code	0	
Num of History Code	0	
Calculate Load	62.3	%
Throttle Position	18.4	%
DCDC Cnv Tar Pulse Duty	56.2	%
Inverter Coolant Water Temperature	120	F
Cooling Fan 0	40.0	%
Cooling Fan Relay	ON	
Inverter W/P Revolution	3375	rpm
Prohibit DC/DC conv sig	OFF	
EV Request	OFF	
Primary DF Rqst on CCS	Pedal	
Operator Override	Notctrl	
Accelerator Info for DSS	OFF	
Gradient of Road Surface	0.2	m/s2
TRC OFF Switch	OFF	
IPA Creep up Rate	1.0	
IPA Control Signal	OFF	
Permit Start by Immobiliser	Norml	
Immobiliser Communication	ON	
Starter Switch	OFF	
Inv-T (MG1) aftr IG-ON	129	F
Inv-T (MG2) aftr IG-ON	131	F
Mtr-T (MG2) aftr IG-ON	127	F
Conv-Tmp after IG-ON	129	F
SOC after IG-ON	73.5	%
Inv-Temp (MG1) Max	144	F
Inv-Temp (MG2) Max	147	F
Mtr-Temp (MG2) Max	127	F
Converter Temp Max	140	F
Status of Charge Max	73.5	%
Status of Charge Min	24.5	%
Stop Light Switch	OFF	
Auxiliary Batt Temperature	104	F
Collision Signal (Airbag)	OFF	
TC Terminal	OFF	
Inter Lock Switch	OFF	
EV Switch	OFF	
Back Up Lamp Relay	OFF	
ECO Mode	OFF	
Generate Torque	74.7	Nm
Prohibit Charge for P Pos	OFF	
Vehicle Parking (T/M Ctrl)	ON	
Shift Pos Status (T/M Ctrl)	P	
Shift P Permission Signal	ON	
DC/DC Cnv Temp (Upper)	138	F
Safing Signal (Airbag)	OFF	
DC/DC Cnv Temp (Lower)	122	F
Normal Signal for A/B ECU	ON	
Mtr-T (MG1) aftr IG-ON	151	F
Mtr-Temp (MG1) Max	154	F
Overvoltage Input to Conv	OFF	
Overvoltage Input to Inv	OFF	
Emergency Shutdown	OFF	
MG1 Inverter Shutdown	OFF	
MG1 Inverter Fail	OFF	
MG2 Inverter Shutdown	OFF	
MG2 Inverter Fail	OFF	
Conv Shutdown	OFF	
Converter Fail	OFF	
P Pos SW Terminal Vol	2.55	V
Internal Shift Position	P	
P Rq Malfunction (T/M Ctrl)	Norml	
P Request (T/M Ctrl)	ON	
T/M Control ECU State	Norml	
T/M ECU Pulse Consec Err	Norml	
T/M ECU Pulse Single Err	Norml	
HV Start Condition	Norml	
(Inverter) W/P Run Control Duty	62.50	%
Engine Stop Request	No	

Freeze Frame Data Report
P0A80(Pending)(3 of 3)

Parameter	Value	Unit
Engine Idling Request	No	
Main Batt Charging Rqst	Request	
Aircon Request	No	
Engine Warming Up Rqst	No	
SMRP Status	OFF	
SMRB Status	ON	
SMRG Status	ON	
SMRP Control Status	OFF	
SMRB Control Status	ON	
SMRG Control Status	ON	
MG1 Gate Status	OFF	
MG2 Gate Status	OFF	
Converter Gate Status	OFF	
Aircon Gate Status	ON	
Converter Carrier Freq	9.55	kHz
Delta SOC	12.5	%
Batt Pack Current Val	-17.55	A
Inhaling Air Temp	81.5	F
VMF Fan Motor Voltage1	2.2	V
Auxiliary Battery Vol	13.98	V
Charge Control Value	-20.0	KW
Discharge Control Value	15.0	KW
Cooling Fan Mode1	1	
ECU Control Mode	0	
Standby Blower Request	OFF	
Temp of Batt TB1	105.6	F
Temp of Batt TB2	108.9	F
Temp of Batt TB3	108.0	F
Battery Block Vol -V01	16.87	V
Battery Block Vol -V02	16.80	V
Battery Block Vol -V03	16.84	V
Battery Block Vol -V04	16.84	V
Battery Block Vol -V05	16.84	V
Battery Block Vol -V06	16.80	V
Battery Block Vol -V07	16.82	V
Battery Block Vol -V08	16.84	V
Battery Block Vol -V09	16.82	V
Battery Block Vol -V10	16.80	V
Battery Block Vol -V11	16.87	V
Battery Block Vol -V12	16.92	V
Battery Block Vol -V13	16.82	V
Battery Block Vol -V14	16.80	V
Pattern Switch (PWR/M)	OFF	
Detail Code 1	0	
Detail Code 2	0	
Detail Code 3	0	
Detail Code 4	0	
Detail Code 5	0	