

Techstream (Ver 10.10.018) - 11100

File Function Setup TIS User Help

Stored Data

2011 Prius  
2ZR-FXE

Freeze Frame Data  
P0A0F-524 Engine Failed to Start

\*N/A=Not Available

Parameter	-3	-2	-1	0	1	Unit
Engine Coolant Temp	34	34	34	34	34	F
Engine Revolution	0	0	0	0	0	rpm
Vehicle Spd	0	1	1	0	0	MPH
Engine Run Time	0	0	0	0	0	s
+B	13.55	13.57	13.59	13.59	13.61	V
Accel Pedal Pos #1	15.6	15.6	15.6	15.6	15.6	%
Accel Pedal Pos #2	31.7	31.7	31.7	31.7	31.7	%
Ambient Temperature	36	36	36	36	36	F
Intake Air Temperature	57	57	57	57	57	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	-0	-0	-0	-0	-0	psi(gaug e)
Atmosphere Pressure	-0	-0	-0	-0	-0	psi(gaug e)
Ready Signal	ON	ON	ON	ON	OFF	
Motor(MG2) Revolution	1	-1	-4	0	0	rpm
Motor(MG2) Torq	0.00	0.37	0.50	0.37	-9.50	Nm
M(MG2) Trq Exec Val	0.62	-1.25	0.37	0.62	-9.25	Nm
Generator(MG1) Rev	3988	3825	3835	3837	1673	rpm
Generator(MG1) Torq	0.00	0.62	0.75	0.62	-11.38	Nm
G(MG1) Trq Exec Val	0.00	0.50	1.37	0.75	-9.50	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)	61	61	61	61	61	F
Inverter Temp-(MG2)	61	61	61	61	61	F
Motor Temp No2	34	34	34	34	34	F

Sort

Expand>>

Print

Close

All Data

Sort A to Z

S400-08

Default User

Techstream (Ver 10.10.018) - 11100

File Function Setup TIS User Help

Stored Data

2011 Prius  
2ZR-FXE

Freeze Frame Data  
P0A0F-524 Engine Failed to Start

\*N/A=Not Available

Parameter	-3	-2	-1	0	1	Unit
Motor Temp No1	34	34	34	34	34	F
Accelerator Degree	0.0	0.0	0.0	0.0	0.0	%
Request Power	0	0	0	0	0	W
Target Engine Rev	1111	1066	1066	1067	532	rpm
Engine Rev (Sensor)	0	0	0	0	0	rpm
State of Charge (All Bat)	12.5	12.5	12.5	12.5	12.5	%
Master Cylinder Ctrl Trq	-1024.0	-1024.0	-1024.0	-1024.0	-1024.0	Nm
Power Resource VB	194.0	196.0	195.0	195.0	202.0	V
Power Resource IB	10.78	7.36	11.76	10.29	-1.93	A
VL-Voltage before Boosting	196	197	195	196	202	V
VH-Voltage after Boosting	600	600	600	600	210	V
Boost Ratio	67.0	67.5	67.5	67.5	0.0	%
Drive Condition ID	2	2	2	2	1	
Shift Sensor Main	2.28	2.28	2.28	2.28	2.28	V
Shift Sensor Sub	2.28	2.28	2.28	2.28	2.28	V
Shift Sensor Select Main	1.40	1.40	1.40	1.40	1.40	V
Shift Sensor Select Sub	1.44	1.44	1.44	1.44	1.44	V
Shift Sensor Shift Pos	P	P	P	P	P	
Crank Position	38	1	-60	-78	44	deg (CA)
A/C Consumption Pwr	0	0	0	0	0	W
Short Wave Highest Val	4.98	4.98	4.98	4.98	4.98	V
MG1 Control Mode	0	0	0	0	0	
MG1 Carrier Frequency	10.00	10.00	10.00	10.00	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	

Sort

Expand>>

Print

Close

All Data

Sort A to Z

S400-08

Default User

Techstream (Ver 10.10.018) - 11100

File Function Setup TIS User Help

Stored Data

2011 Prius  
2ZR-FXE

JTDKN3DU8B0289978

2011\_Prius\_2ZR  
File Notes  
Hybrid Contr  
DTC/Monit  
Data 1  
Active Tes  
Engine and f

Sort  
Expand>>  
Print  
Close

**Freeze Frame Data**  
P0A0F-524 Engine Failed to Start

\*N/A=Not Available

Parameter	-3	-2	-1	0	1	Unit
Calculate Load	0.0	0.0	0.0	0.0	0.0	%
Throttle Position	16.8	16.8	16.8	16.8	16.8	%
DCDC Cnv Tar Pulse Duty	56.0	56.0	56.0	56.0	56.0	%
Inverter Coolant Water Temperature	37	37	37	37	37	F
Cooling Fan 0	36.5	36.0	36.5	36.5	36.5	%
Cooling Fan Relay	ON	ON	ON	ON	ON	
Inverter W/P Revolution	1125	1125	3375	3375	3375	rpm
Prohibit DC/DC conv sig	OFF	OFF	OFF	OFF	OFF	
EV Request	OFF	OFF	OFF	OFF	OFF	
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	-0.1	-0.1	-0.1	-0.1	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	61	61	61	61	61	F
Inv-T (MG2) afr IG-ON	61	61	61	61	61	F
Mtr-T (MG2) afr IG-ON	34	34	34	34	34	F
Conv-Tmp after IG-ON	61	61	61	61	61	F
SOC after IG-ON	12.5	12.5	12.5	12.5	12.5	%
Inv-Temp (MG1) Max	64	64	64	64	64	F
Inv-Temp (MG2) Max	61	61	61	61	61	F
Mtr-Temp (MG2) Max	34	34	34	34	34	F

All Data  
Sort A to Z

5400-08 Default User

Techstream (Ver 10.10.018) - 11100

File Function Setup TIS User Help

Stored Data

2011 Prius  
2ZR-FXE

JTDKN3DU8B0289978

2011\_Prius\_2ZR  
File Notes  
Hybrid Contr  
DTC/Monit  
Data 1  
Active Tes  
Engine and f

Sort  
Expand>>  
Print  
Close

**Freeze Frame Data**  
P0A0F-524 Engine Failed to Start

\*N/A=Not Available

Parameter	-3	-2	-1	0	1	Unit
Converter Temp Max	70	70	70	70	70	F
Status of Charge Max	12.5	12.5	12.5	12.5	12.5	%
Status of Charge Min	12.5	12.5	12.5	12.5	12.5	%
Stop Light Switch	ON	ON	ON	ON	ON	
Auxiliary Batt Temperature	37	37	37	37	37	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	74.3	75.1	74.7	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)	61	61	61	61	61	F
Safing Signal (Airbag)	OFF	OFF	OFF	OFF	OFF	
DC/DC Cnv Temp (Lower)	61	61	61	61	61	F
Normal Signal for A/B ECU	OFF	OFF	OFF	OFF	OFF	
Mtr-T (MG1) afr IG-ON	34	34	34	34	34	F
Mtr-Temp (MG1) Max	34	34	34	34	34	F
Ovenvoltage Input to Conv	OFF	OFF	OFF	OFF	OFF	
Ovenvoltage 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	

All Data  
Sort A to Z

5400-08 Default User

Techstream (Ver 10.10.018) - 11100

File Function Setup TIS User Help

Stored Data

2011 Prius  
2ZR-FXE

Freeze Frame Data  
P0A0F-524 Engine Failed to Start

\*N/A=Not Available

Parameter	-3	-2	-1	0	1	Unit
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	2.48	2.48	2.48	2.48	2.48	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	
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	Request	Request	Request	Request	No	
Main Batt Charging Rqst	Request	Request	Request	Request	No	
Aircon Request	No	No	No	No	No	
Engine Warming Up Rqst	No	No	No	No	No	
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	OFF	OFF	OFF	OFF	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	%

Sort

Expand>>

Print

Close

All Data

Sort A to Z

S400-08

Default User

Techstream (Ver 10.10.018) - 11100

File Function Setup TIS User Help

Stored Data

2011 Prius  
2ZR-FXE

Freeze Frame Data  
P0A0F-524 Engine Failed to Start

\*N/A=Not Available

Parameter	-3	-2	-1	0	1	Unit
Batt Pack Current Val	7.75	9.49	10.21	9.99	-6.92	A
Inhaling Air Temp	37.4	37.4	37.4	37.4	37.4	F
VMF Fan Motor Voltage1	1.4	1.4	1.4	1.4	1.4	V
Auxiliary Battery Vol	13.46	13.49	13.51	13.51	13.53	V
Charge Control Value	-13.5	-13.5	-13.5	-13.5	-13.5	KW
Discharge Control Value	4.5	1.5	0.0	0.0	0.0	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	35.6	35.6	35.6	35.6	35.6	F
Temp of Batt TB2	33.4	33.8	33.4	33.4	33.4	F
Temp of Batt TB3	34.0	34.3	34.3	34.7	34.0	F
Battery Block Vol -V01	14.11	14.06	14.18	14.06	14.47	V
Battery Block Vol -V02	14.06	14.01	14.13	14.01	14.43	V
Battery Block Vol -V03	14.03	13.96	13.91	13.94	14.47	V
Battery Block Vol -V04	14.06	13.96	13.94	13.96	14.47	V
Battery Block Vol -V05	13.97	13.96	13.96	13.91	14.35	V
Battery Block Vol -V06	13.96	13.94	13.96	13.94	14.35	V
Battery Block Vol -V07	13.75	13.81	13.72	13.72	14.25	V
Battery Block Vol -V08	13.79	13.86	13.77	13.77	14.25	V
Battery Block Vol -V09	13.89	13.81	13.75	13.77	14.18	V
Battery Block Vol -V10	13.91	13.84	13.81	13.79	14.25	V
Battery Block Vol -V11	13.81	13.81	13.86	13.86	14.33	V
Battery Block Vol -V12	13.86	13.86	13.91	13.91	14.38	V
Battery Block Vol -V13	13.94	13.79	13.89	13.79	14.23	V
Battery Block Vol -V14	14.11	13.91	14.06	13.94	14.40	V
Pattern Switch (PWR/M)	OFF	OFF	OFF	OFF	OFF	

Sort

Expand>>

Print

Close

All Data

Sort A to Z

S400-08

Default User

Techstream (Ver 10.10.018) - 11100

File Function Setup TIS User Help

Stored Data

2011 Prius  
ZZR-FXE

JTDKXGDU8B028978

2011 Prius\_ZZR  
File Notes  
Hybrid Contr  
DTC/Monit  
Data 1  
Active Tes  
Engine and t

Freeze Frame Data  
P0A0F-524 Engine Failed to Start

\*N/A=Not Available

Parameter	-3	-2	-1	0	1	Unit
Discharge Control Value	4.5	1.5	0.0	0.0	0.0	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	35.6	35.6	35.6	35.6	35.6	F
Temp of Batt TB2	33.4	33.8	33.4	33.4	33.4	F
Temp of Batt TB3	34.0	34.3	34.3	34.7	34.0	F
Battery Block Vol -V01	14.11	14.06	14.18	14.06	14.47	V
Battery Block Vol -V02	14.06	14.01	14.13	14.01	14.43	V
Battery Block Vol -V03	14.03	13.96	13.91	13.94	14.47	V
Battery Block Vol -V04	14.06	13.96	13.94	13.96	14.47	V
Battery Block Vol -V05	13.97	13.96	13.96	13.91	14.35	V
Battery Block Vol -V06	13.96	13.94	13.96	13.94	14.35	V
Battery Block Vol -V07	13.75	13.81	13.72	13.72	14.25	V
Battery Block Vol -V08	13.79	13.86	13.77	13.77	14.25	V
Battery Block Vol -V09	13.89	13.81	13.75	13.77	14.18	V
Battery Block Vol -V10	13.91	13.84	13.81	13.79	14.25	V
Battery Block Vol -V11	13.81	13.81	13.86	13.86	14.33	V
Battery Block Vol -V12	13.86	13.86	13.91	13.91	14.38	V
Battery Block Vol -V13	13.94	13.79	13.89	13.79	14.23	V
Battery Block Vol -V14	14.11	13.91	14.06	13.94	14.40	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	524	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	

Sort

Expand>>

Print

Close

All Data

Sort A to Z

Default User Back