

Vehicle Diagnostic Report

2011 CT200h 2ZR-FXE

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Parameter	Value					Unit
	-3	-2	-1	0	1	
Engine Coolant Temp	90	90	90	90	90	C
Engine Revolution	1088	1088	1088	1088	1088	rpm
Vehicle Spd	0	0	0	0	0	km/h
Engine Run Time	3333	3334	3334	3334	3335	s
+B	14.12	14.12	14.12	14.12	14.12	V
Accel Pedal Pos #1	16.0	16.0	16.0	16.0	16.0	%
Accel Pedal Pos #2	32.1	32.1	32.1	32.1	32.1	%
Ambient Temperature	31	31	31	31	31	C
Intake Air Temperature	63	63	63	63	63	C
DTC Clear Warm Up	0	0	0	0	0	
DTC Clear Run Distance	0	0	0	0	0	km
DTC Clear Min	4	4	4	4	4	min
MAP	65	65	65	65	65	kPa(abs)
Atmosphere Pressure	94	94	94	94	94	kPa(abs)
Ready Signal	ON	ON	ON	ON	ON	
Motor(MG2) Revolution	0	0	0	0	0	rpm
Motor(MG2) Torq	-16.75	-16.75	-16.63	-16.50	-16.63	Nm
M(MG2) Trq Exec Val	-16.13	-16.13	-16.13	-16.13	-16.13	Nm
Generator(MG1) Rev	3960	3949	3952	3958	3956	rpm
Generator(MG1) Torq	-17.00	-17.00	-16.88	-16.75	-16.88	Nm
G(MG1) Trq Exec Val	-15.63	-16.25	-15.50	-14.38	-14.88	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)	55	55	55	55	55	C
Inverter Temp-(MG2)	45	46	45	45	46	C
Motor Temp No2	79	79	79	79	79	C
Motor Temp No1	66	66	66	66	66	C
Accelerator Degree	0.0	0.0	0.0	0.0	0.0	%
Request Power	7380	7380	7380	7380	7380	W
Target Engine Rev	1101	1101	1101	1101	1101	rpm
Engine Rev (Sensor)	1101	1101	1100	1100	1102	rpm
State of Charge (All Bat)	40.7	41.1	41.1	41.1	41.5	%
Master Cylinder Ctrl Trq	0.0	0.0	0.0	0.0	0.0	Nm
Power Resource VB	231.0	231.0	230.0	232.0	229.0	V
Power Resource IB	-17.11	-16.13	-20.04	-16.13	-16.13	A
VL-Voltage before Boosting	235	235	236	236	236	V
VH-Voltage after Boosting	444	443	441	440	442	V
Boost Ratio	43.5	43.5	43.0	43.0	43.0	%
Drive Condition ID	3	3	3	3	3	
Shift Sensor Main	2.69	2.69	2.69	2.69	2.69	V
Shift Sensor Sub	2.65	2.65	2.65	2.67	2.65	V
Shift Sensor Select Main	1.42	1.42	1.42	1.42	1.42	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	58	-78	-31	3	-4	deg (CA)
A/C Consumption Pwr	1000	1000	1000	1000	1000	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	
Calculate Load	68.6	68.2	68.2	68.2	67.4	%
Throttle Position	19.6	19.6	19.6	19.6	19.2	%
DCDC Cnv Tar Pulse Duty	59.5	59.5	59.5	59.5	59.5	%
Inverter Coolant Water Temperature	46	46	46	46	46	C
Cooling Fan 0	37.5	37.5	37.5	37.5	41.0	%
Cooling Fan Relay	ON	ON	ON	ON	ON	
Inverter W/P Revolution	3500	3500	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	

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Parameter	Value					Unit
	-3	-2	-1	0	1	
Operator Override	Notctrl	Notctrl	Notctrl	Notctrl	Notctrl	
Accelerator Info for DSS	OFF	OFF	OFF	OFF	OFF	
Gradient of Road Surface	0.5	0.5	0.5	0.5	0.5	m/s2
TRC OFF Switch	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	49	49	49	49	49	C
Inv-T (MG2) afr IG-ON	49	49	49	49	49	C
Mtr-T (MG2) afr IG-ON	55	55	55	55	55	C
Conv-Tmp after IG-ON	50	50	50	50	50	C
SOC after IG-ON	29.5	29.5	29.5	29.5	29.5	%
Inv-Temp (MG1) Max	66	66	66	66	66	C
Inv-Temp (MG2) Max	60	60	60	60	60	C
Mtr-Temp (MG2) Max	68	68	68	68	68	C
Converter Temp Max	81	81	81	81	81	C
Status of Charge Max	79.0	79.0	79.0	79.0	79.0	%
Status of Charge Min	25.0	25.0	25.0	25.0	25.0	%
Stop Light Switch	OFF	OFF	OFF	OFF	OFF	
Auxiliary Batt Temperature	39	40	40	40	39	C
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	74.3	74.3	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)	55	55	55	55	55	C
Safing Signal (Airbag)	OFF	OFF	OFF	OFF	OFF	
DC/DC Cnv Temp (Lower)	45	45	45	45	45	C
Normal Signal for A/B ECU	ON	ON	ON	ON	ON	
Mtr-T (MG1) afr IG-ON	60	60	60	60	60	C
Mtr-Temp (MG1) Max	79	79	79	79	79	C
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	2.59	2.57	2.57	2.57	2.57	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	No	
Engine Idling Request	No	No	No	No	No	
Main Batt Charging Rqst	Request	Request	Request	Request	Request	
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	ON	ON	ON	ON	ON	
Converter Carrier Freq	9.55	9.55	9.55	9.55	9.55	kHz
Delta SOC	49.5	49.5	49.5	49.5	49.5	%
Batt Pack Current Val	-16.95	-16.87	-16.99	-17.63	-17.48	A
Inhaling Air Temp	29.7	29.7	29.7	29.7	29.7	C
VMF Fan Motor Voltage1	1.6	1.6	1.6	1.6	1.7	V
Auxiliary Battery Vol	14.04	14.06	14.06	14.06	14.06	V

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Parameter	Value					Unit
	-3	-2	-1	0	1	
Charge Control Value	-22.0	-22.0	-22.0	-22.0	-22.0	KW
Discharge Control Value	21.0	21.0	21.0	21.0	18.0	KW
Cooling Fan Mode1	3	3	3	3	4	
ECU Control Mode	0	0	0	0	0	
Standby Blower Request	ON	ON	ON	ON	ON	
Temp of Batt TB1	40.9	40.9	40.9	40.9	40.9	C
Temp of Batt TB2	41.5	41.5	41.5	41.5	41.5	C
Temp of Batt TB3	39.9	39.8	39.8	39.9	39.8	C
Battery Block Vol -V01	16.70	16.70	16.75	16.75	16.75	V
Battery Block Vol -V02	16.58	16.58	16.62	16.62	16.60	V
Battery Block Vol -V03	16.48	16.55	16.60	16.55	16.58	V
Battery Block Vol -V04	16.36	16.43	16.48	16.43	16.45	V
Battery Block Vol -V05	16.18	16.27	16.29	16.29	16.25	V
Battery Block Vol -V06	16.09	16.16	16.18	16.18	16.18	V
Battery Block Vol -V07	16.65	16.65	16.70	16.67	16.70	V
Battery Block Vol -V08	16.67	16.67	16.70	16.72	16.72	V
Battery Block Vol -V09	15.89	15.94	16.01	16.01	16.04	V
Battery Block Vol -V10	16.38	16.43	16.48	16.48	16.48	V
Battery Block Vol -V11	16.36	16.38	16.43	16.43	16.45	V
Battery Block Vol -V12	16.50	16.50	16.55	16.55	16.55	V
Battery Block Vol -V13	16.55	16.60	16.60	16.60	16.62	V
Battery Block Vol -V14	16.70	16.72	16.75	16.75	16.77	V
Pattern Switch (PWR/M)	OFF	OFF	OFF	OFF	OFF	
Detail Code 1	N/A.	N/A.	N/A.	123	N/A.	
Detail Code 2	N/A.	N/A.	N/A.	0	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.	