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Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [12/2022 -]
Title: HYBRID / BATTERY CONTROL: HYBRID BATTERY SYSTEM (for M20A-FXS): DIAGNOSTIC TROUBLE CODE CHART; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

DIAGNOSTIC TROUBLE CODE CHART

HYBRID BATTERY SYSTEM

DTC NO.	DETECTION ITEM	MIL	WARNING INDICATE	DTC OUTPUT FROM	PRIORITY	NOTE	LINK
P056014	System Voltage (BATT) Circuit Short to Ground or Open	Comes on	Master Warning: Comes on	HV Battery	A	SAE Code: P0562	INFO
P060629	Hybrid/EV Battery Energy Control Module Processor to Monitoring Processor Signal Invalid	Comes on	Master Warning: Comes on	HV Battery	A	SAE Code: P0606	INFO
P060687	Hybrid/EV Battery Energy Control Module Processor to Monitoring Processor Missing Message	Comes on	Master Warning: Comes on	HV Battery	A	SAE Code: P0606	INFO
P060A47	Hybrid/EV Battery Energy Control Module Monitoring Processor Watchdog / Safety MCU Failure	Comes on	Master Warning: Comes on	HV Battery	A	SAE Code: P060A	INFO
P060A87	Hybrid/EV Battery Energy Control Module Processor from Monitoring Processor Missing Message	Comes on	Master Warning: Comes on	HV Battery	A	SAE Code: P060A	INFO
P060B16	Hybrid/EV Battery Energy Control Module A/D Processing Circuit Voltage Below Threshold	Comes on	Master Warning: Comes on	HV Battery	A	SAE Code: P060B	INFO
P060B49	Hybrid/EV Battery Energy Control Module A/D Processing Internal Electronic Failure	Comes on	Master Warning: Comes on	HV Battery	A	SAE Code: P060B	INFO
P062F44	Hybrid/EV Battery Energy Control Module EEPROM Data Memory Failure	Comes on	Master Warning: Does not come on	HV Battery	A	SAE Code: P062F	INFO

DTC NO.	DETECTION ITEM	MIL	WARNING INDICATE	DTC OUTPUT FROM	PRIORITY	NOTE	LINK
P062F46	Hybrid/EV Battery Energy Control Module EEPROM Calibration / Parameter Memory Failure	Comes on	Master Warning: Comes on	HV Battery	A	SAE Code: P062F	INFO
P0A1D94	Hybrid/EV Powertrain Control Module Unexpected Operation	Comes on	Master Warning: Comes on	HV Battery	A	SAE Code: P0A1D	INFO
P0A8100	Hybrid/EV Battery Cooling Fan 1 Control Circuit High	Comes on	Master warning: Comes on	HV Battery	A	SAE Code: P0A85	INFO
P0A8111	Hybrid/EV Battery Cooling Fan 1 Circuit Short to Ground	Comes on	Master Warning: Comes on	HV Battery	A	SAE Code: P0A84	INFO
P0A8115	Hybrid/EV Battery Cooling Fan 1 Circuit Short to Auxiliary Battery or Open	Comes on	Master warning: Comes on	HV Battery	A	SAE Code: P0A85	INFO
P0A814B	Hybrid/EV Battery Cooling Fan 1 Over Temperature	Comes on	Master Warning: Comes on	HV Battery	A	SAE Code: P0A84	INFO
P0A8196	Hybrid/EV Battery Cooling Fan 1 Component Internal Failure	Comes on	Master Warning: Comes on	HV Battery	A	SAE Code: P0A82	INFO
P0A8198	Hybrid/EV Battery Cooling Fan 1 Component or System Over Temperature	Comes on	Master Warning: Comes on	HV Battery	A	SAE Code: P0A82	INFO
P0A9563	High Voltage Fuse Accumulated Load History	Does not come on	Master Warning: Does not come on	HV Battery	A	SAE Code: P0A95	INFO
P0A9B11	Hybrid/EV Battery Temperature Sensor "A" Circuit Short to Ground	Comes on	Master warning: Comes on	HV Battery	A	SAE Code: P0A9D	INFO

DTC NO.	DETECTION ITEM	MIL	WARNING INDICATE	DTC OUTPUT FROM	PRIORITY	NOTE	LINK
P0A9B15	Hybrid/EV Battery Temperature Sensor "A" Circuit Short to Auxiliary Battery or Open	Comes on	Master warning: Comes on	HV Battery	A	SAE Code: P0A9E	INFO
P0A9B1C	Hybrid/EV Battery Temperature Sensor "A" Voltage Out of Range	Comes on	Master warning: Comes on	HV Battery	A	SAE Code: P0A9C	INFO
P0A9B2A	Hybrid/EV Battery Temperature Sensor "A" Signal Stuck In Range	Comes on	Master warning: Comes on	HV Battery	A	SAE Code: P0A9C	INFO
P0AAC11	Hybrid/EV Battery Air Temperature Sensor "A" Circuit Short to Ground	Does not come on	Master Warning: Comes on	HV Battery	A	SAE Code: P0AAE	INFO
P0AAC15	Hybrid/EV Battery Air Temperature Sensor "A" Circuit Short to Auxiliary Battery or Open	Does not come on	Master Warning: Comes on	HV Battery	A	SAE Code: P0AAF	INFO
P0ABF11	Hybrid/EV Battery Current Sensor "A" Circuit Short to Ground	Comes on	Master warning: Comes on	HV Battery	A	SAE Code: P0AC1	INFO
P0ABF15	Hybrid/EV Battery Current Sensor "A" Circuit Short to Auxiliary Battery or Open	Comes on	Master warning: Comes on	HV Battery	A	SAE Code: P0AC2	INFO
P0ABF28	Hybrid/EV Battery Current Sensor "A" Signal Bias Level Out of Range / Zero Adjustment Failure	Comes on	Master Warning: Comes on	HV Battery	A	SAE Code: P0AC0	INFO
P0ABF2A	Hybrid/EV Battery Current Sensor "A" Signal Stuck In Range	Comes on	Master Warning: Comes on	HV Battery	A	SAE Code: P0AC0	INFO
P0AC511	Hybrid/EV Battery Temperature Sensor "B" Circuit Short to Ground	Comes on	Master warning: Comes on	HV Battery	A	SAE Code: P0AC7	INFO
P0AC515	Hybrid/EV Battery Temperature Sensor "B" Circuit Short to Auxiliary Battery or	Comes on	Master warning:	HV Battery	A	SAE Code:	INFO

DTC NO.	DETECTION ITEM	MIL	WARNING INDICATE	DTC OUTPUT FROM	PRIORITY	NOTE	LINK
	Open		Comes on			P0AC8	
P0AC51C	Hybrid/EV Battery Temperature Sensor "B" Voltage Out of Range	Comes on	Master warning: Comes on	HV Battery	A	SAE Code: P0AC6	INFO
P0AC52A	Hybrid/EV Battery Temperature Sensor "B" Signal Stuck In Range	Comes on	Master warning: Comes on	HV Battery	A	SAE Code: P0AC6	INFO
P0ACA11	Hybrid/EV Battery Temperature Sensor "C" Circuit Short to Ground	Comes on	Master warning: Comes on	HV Battery	A	SAE Code: P0ACC	INFO
P0ACA15	Hybrid/EV Battery Temperature Sensor "C" Circuit Short to Auxiliary Battery or Open	Comes on	Master warning: Comes on	HV Battery	A	SAE Code: P0ACD	INFO
P0ACA1C	Hybrid/EV Battery Temperature Sensor "C" Voltage Out of Range	Comes on	Master warning: Comes on	HV Battery	A	SAE Code: P0ACB	INFO
P0ACA2A	Hybrid/EV Battery Temperature Sensor "C" Signal Stuck In Range	Comes on	Master warning: Comes on	HV Battery	A	SAE Code: P0ACB	INFO
P0AE811	Hybrid/EV Battery Temperature Sensor "D" Circuit Short to Ground	Comes on	Master warning: Comes on	HV Battery	A	SAE Code: P0AEA	INFO
P0AE815	Hybrid/EV Battery Temperature Sensor "D" Circuit Short to Auxiliary Battery or Open	Comes on	Master warning: Comes on	HV Battery	A	SAE Code: P0AEB	INFO
P0AE81C	Hybrid/EV Battery Temperature Sensor "D" Voltage Out of Range	Comes on	Master warning: Comes on	HV Battery	A	SAE Code: P0AE9	INFO
P0AE82A	Hybrid/EV Battery Temperature Sensor "D" Signal Stuck In Range	Comes on	Master warning: Comes on	HV Battery	A	SAE Code: P0AE9	INFO

DTC NO.	DETECTION ITEM	MIL	WARNING INDICATE	DTC OUTPUT FROM	PRIORITY	NOTE	LINK
P0B0E11	Hybrid/EV Battery Current Sensor "B" Circuit Short to Ground	Comes on	Master warning: Comes on	HV Battery	A	SAE Code: P0B10	INFO
P0B0E15	Hybrid/EV Battery Current Sensor "B" Circuit Short to Auxiliary Battery or Open	Comes on	Master warning: Comes on	HV Battery	A	SAE Code: P0B11	INFO
P0B1362	Hybrid/EV Battery Current Sensor "A"/"B" Signal Compare Failure	Comes on	Master Warning: Comes on	HV Battery	A	SAE Code: P0B13	INFO
P0BC211	Hybrid/EV Battery Temperature Sensor "E" Circuit Short to Ground	Comes on	Master warning: Comes on	HV Battery	A	SAE Code: P0BC4	INFO
P0BC215	Hybrid/EV Battery Temperature Sensor "E" Circuit Short to Auxiliary Battery or Open	Comes on	Master warning: Comes on	HV Battery	A	SAE Code: P0BC5	INFO
P0BC21C	Hybrid/EV Battery Temperature Sensor "E" Voltage Out of Range	Comes on	Master warning: Comes on	HV Battery	A	SAE Code: P0BC3	INFO
P0BC22A	Hybrid/EV Battery Temperature Sensor "E" Signal Stuck In Range	Comes on	Master warning: Comes on	HV Battery	A	SAE Code: P0BC3	INFO
P0C3000	Hybrid/EV Battery State of Charge High	Does not come on	Master Warning: Comes on	HV Battery	A	SAE Code: P0C30	INFO
P0C3311	Hybrid/EV Battery Temperature Sensor "F" Circuit Short to Ground	Comes on	Master warning: Comes on	HV Battery	A	SAE Code: P0C35	INFO
P0C3315	Hybrid/EV Battery Temperature Sensor "F" Circuit Short to Auxiliary Battery or Open	Comes on	Master warning: Comes on	HV Battery	A	SAE Code: P0C36	INFO
P0C331C	Hybrid/EV Battery Temperature Sensor "F" Voltage Out of Range	Comes on	Master warning:	HV Battery	A	SAE Code:	INFO

DTC NO.	DETECTION ITEM	MIL	WARNING INDICATE	DTC OUTPUT FROM	PRIORITY	NOTE	LINK
			Comes on			P0C34	
P0C332A	Hybrid/EV Battery Temperature Sensor "F" Signal Stuck In Range	Comes on	Master warning: Comes on	HV Battery	A	SAE Code: P0C34	INFO
P0E2D00	Hybrid/EV Battery Energy Control Module Hybrid/EV Battery Monitor Performance	Comes on	Master Warning: Comes on	HV Battery	A	SAE Code: P0E2D	INFO
P1A001C	Hybrid Battery Stack 2 Cell Voltage Detection Voltage Out of Range	Comes on	Master Warning: Comes on	HV Battery	A	SAE Code: P1A00	INFO
P1A6017	Hybrid/EV Battery Stack 2 Cell Circuit Voltage Above Threshold	Comes on	Master Warning: Comes on	HV Battery	A	SAE Code: P1A60	INFO
P1A6116	Hybrid/EV Battery Stack 2 Cell Circuit Voltage Below Threshold	Comes on	Master Warning: Comes on	HV Battery	A	SAE Code: P1A61	INFO
P1A8000	Hybrid/EV Battery Stack 1 Delta SOC High	Comes on	Master Warning: Comes on	HV Battery	A	SAE Code: P1A80	INFO
P1A8100	Hybrid/EV Battery Stack 1 Delta SOC High (Extreme)	Comes on	Master Warning: Comes on	HV Battery	A	SAE Code: P1A81	INFO
P1A8500	Hybrid/EV Battery Stack 2 Delta SOC High	Comes on	Master Warning: Comes on	HV Battery	A	SAE Code: P1A85	INFO
P1A8600	Hybrid/EV Battery Stack 2 Delta SOC High (Extreme)	Comes on	Master Warning: Comes on	HV Battery	A	SAE Code: P1A86	INFO
P1AFC00	System Voltage (AM) Circuit Voltage Below Threshold	Does not come on	Master Warning: Comes on	HV Battery	A	SAE Code: P1AFC	INFO

DTC NO.	DETECTION ITEM	MIL	WARNING INDICATE	DTC OUTPUT FROM	PRIORITY	NOTE	LINK
P1AFD00	Flying Capacitor Circuit Voltage Out of Range	Comes on	Master Warning: Comes on	HV Battery	A	SAE Code: P1AFD	INFO
P1AFD1C	Flying Capacitor/Internal Control Module Hybrid/EV Battery Monitor Voltage Out of Range	Comes on	Master Warning: Comes on	HV Battery	A	SAE Code: P1AFD	INFO
P1AFF00	Hybrid/EV Battery ECU Multiple Reset	Does not come on	Master Warning: Comes on	HV Battery	A	SAE Code: P1AFF	INFO
P1C8549	High Voltage Power Resource Internal Electronic Failure	Does not come on	Master Warning: Comes on	HV Battery	A	SAE Code: P3004	INFO
P1C9F11	Hybrid/EV Battery Current Sensor for Driving Control Circuit Short to Ground	Comes on	Master Warning: Comes on	HV Battery	A	SAE Code: P1CA1	INFO
P1C9F15	Hybrid/EV Battery Current Sensor for Driving Control Circuit Short to Auxiliary Battery or Open	Comes on	Master Warning: Comes on	HV Battery	A	SAE Code: P1CA2	INFO
P1C9F1C	Hybrid/EV Battery Current Sensor for Driving Control Voltage Out of Range	Comes on	Master Warning: Comes on	HV Battery	A	SAE Code: P1CA0	INFO
P1CBB12	Hybrid/EV Battery Current Sensor Power Supply Circuit Short to Auxiliary Battery	Comes on	Master warning: Comes on	HV Battery	A	SAE Code: P1CBD	INFO
P1CBB14	Hybrid/EV Battery Current Sensor Power Supply Circuit Short to Ground or Open	Comes on	Master warning: Comes on	HV Battery	A	SAE Code: P1CBC	INFO
P1CC81E	Hybrid/EV Battery Stack 1 Voltage Difference Out of Range	Comes on	Master Warning: Comes on	HV Battery	A	SAE Code: P33DA	INFO
P1CC91E	Hybrid/EV Battery Stack 2 Voltage Difference Out of Range	Comes on	Master Warning:	HV Battery	A	SAE Code:	INFO

DTC NO.	DETECTION ITEM	MIL	WARNING INDICATE	DTC OUTPUT FROM	PRIORITY	NOTE	LINK
			Comes on			P33DB	
P300000	Hybrid/EV Battery Discharge Control Malfunction	Does not come on	Master Warning: Does not come on	HV Battery	A	SAE Code: P3000	INFO
P300016	Hybrid/EV Battery Control System Circuit Voltage Below Threshold	Does not come on	Master Warning: Comes on	HV Battery	A	SAE Code: P3000	INFO
P30004B	Hybrid/EV Battery Control System Over Temperature	Does not come on	Master Warning: Comes on	HV Battery	A	SAE Code: P3000	INFO
P301A1C	Hybrid Battery Stack 1 Cell Voltage Detection Voltage Out of Range	Comes on	Master Warning: Comes on	HV Battery	A	SAE Code: P301A	INFO
P306562	Hybrid/EV Battery Temperature Sensor "Group 1" Signal Compare Failure	Comes on	Master warning: Comes on	HV Battery	A	SAE Code: P3065	INFO
P306A62	Hybrid/EV Battery Temperature Sensor "Group 2" Signal Compare Failure	Comes on	Master warning: Comes on	HV Battery	A	SAE Code: P306A	INFO
P31AA17	Hybrid/EV Battery Stack 1 Cell Circuit Voltage Above Threshold	Comes on	Master Warning: Comes on	HV Battery	A	SAE Code: P31AA	INFO
P31AB16	Hybrid/EV Battery Stack 1 Cell Circuit Voltage Below Threshold	Comes on	Master Warning: Comes on	HV Battery	A	SAE Code: P31AB	INFO
P31B300	Hybrid/EV Battery Voltage High	Comes on	Master Warning: Comes on	HV Battery	A	SAE Code: P31B3	INFO
P31B400	Extreme Hybrid/EV Battery Charging Current	Does not come on	Master Warning: Comes on	HV Battery	A	SAE Code: P31B4	INFO

DTC NO.	DETECTION ITEM	MIL	WARNING INDICATE	DTC OUTPUT FROM	PRIORITY	NOTE	LINK
P31B549	Hybrid/EV Battery Internal Electronic Failure	Does not come on	Master Warning: Comes on	HV Battery	A	SAE Code: P31B5	INFO
P33DA1E	Hybrid/EV Battery Stack 1 Circuit Resistance Out of Range	Comes on	Master Warning: Comes on	HV Battery	A	SAE Code: P33DA	INFO
P33DB1E	Hybrid/EV Battery Stack 2 Circuit Resistance Out of Range	Comes on	Master Warning: Comes on	HV Battery	A	SAE Code: P33DB	INFO
P33E01B	Hybrid/EV Battery Stack 1 Circuit Resistance Above Threshold	Comes on	Master Warning: Comes on	HV Battery	A	SAE Code: P33E0	INFO
P33E11B	Hybrid/EV Battery Stack 2 Circuit Resistance Above Threshold	Comes on	Master Warning: Comes on	HV Battery	A	SAE Code: P33E1	INFO
P33E600	Hybrid/EV Battery Stack 1 Capacity Decline	Does not come on	Master Warning Light: Comes on	HV Battery	A	SAE Code: P33E6	INFO
P33E700	Hybrid/EV Battery Stack 2 Capacity Decline	Does not come on	Master Warning Light: Comes on	HV Battery	A	SAE Code: P33E7	INFO
P33EC16	(Extreme) Hybrid/EV Battery Stack 1 Cell Circuit Voltage Below Threshold	Comes on	Master Warning: Comes on	HV Battery	A	SAE Code: P33EC	INFO
P33ED16	(Extreme) Hybrid/EV Battery Stack 2 Cell Circuit Voltage Below Threshold	Comes on	Master Warning: Comes on	HV Battery	A	SAE Code: P33ED	INFO
U010087	Lost Communication with ECM/PCM "A" Missing Message	Comes on	Master Warning: Comes on	HV Battery	B	SAE Code: U0100	INFO

DTC NO.	DETECTION ITEM	MIL	WARNING INDICATE	DTC OUTPUT FROM	PRIORITY	NOTE	LINK
U029387	Lost Communication with Hybrid/EV Powertrain Control Module Missing Message	Comes on	Master Warning: Comes on	HV Battery	B	SAE Code: U0293	INFO
U115087	Lost Communication with Hybrid Powertrain Control Module (Hybrid/EV Battery Local Bus) Missing Message	Comes on	Master Warning: Comes on	HV Battery	B	SAE Code: U1150	INFO

