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Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [03/2023 -]
Title: HYBRID / BATTERY CONTROL: PLUG-IN CHARGE CONTROL SYSTEM (for PHEV Model): DIAGNOSTIC TROUBLE CODE CHART; 2023 - 2024 MY Prius Prime [03/2023 -]		

DIAGNOSTIC TROUBLE CODE CHART

Plug-in Charge Control 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	Plug-in Control	A	SAE Code: P0562	INFO
P060B1C	Plug-in Control Module A/D Processing Circuit Voltage Out of Range	Comes on	Master Warning: Comes on	Plug-in Control	A	SAE Code: P060B	INFO
P060B49	Plug-in Control Module A/D Processing Internal Electronic Failure	Comes on	Master Warning: Comes on	Plug-in Control	A	SAE Code: P060B	INFO
P060B71	Plug-in Control Module A/D Processing Actuator Stuck	Comes on	Master Warning: Comes on	Plug-in Control	A	SAE Code: P060B	INFO
P062F44	Plug-in Control Module EEPROM Data Memory Failure	Comes on	Master Warning: Does not come on	Plug-in Control	A	SAE Code: P062F	INFO
P06881F	Plug-in Control Module Power Relay Sense Circuit Intermittent	Comes on	Master Warning: Comes on	Plug-in Control	A	SAE Code: P2511	INFO
P0D0700	Hybrid/EV Battery Charging System Positive Contactor Stuck Closed	Comes on	Master Warning: Comes on	Plug-in Control	B	SAE Code: P0D08	INFO
P0D0773	Hybrid/EV Battery Charging System Positive/Negative Contactor Actuator Stuck Closed	Comes on	Master Warning: Comes on	Plug-in Control	B	SAE Code: P0D08	INFO

DTC NO.	DETECTION ITEM	MIL	WARNING INDICATE	DTC OUTPUT FROM	PRIORITY	NOTE	LINK
P0D0E73	Hybrid/EV Battery Charging System Negative Contactor Control Actuator Stuck Closed	Comes on	Master Warning: Comes on	Plug-in Control	B	SAE Code: P0D0F	INFO
P0D2A19	Hybrid/EV Battery Charger Input Current Sensor Circuit Current Above Threshold	Comes on	Master Warning: Comes on	Plug-in Control	A	SAE Code: P0D2A	INFO
P0D3812	Hybrid/EV Battery Charger Input Current Sensor Circuit Short to Auxiliary Battery	Comes on	Master Warning: Comes on	Plug-in Control	A	SAE Code: P0D3B	INFO
P0D3814	Hybrid/EV Battery Charger Input Current Sensor Circuit Short to Ground or Open	Comes on	Master Warning: Comes on	Plug-in Control	A	SAE Code: P0D3A	INFO
P0D3828	Hybrid/EV Battery Charger Input Current Sensor Signal Bias Level Out of Range / Zero Adjustment Failure	Comes on	Master Warning: Comes on	Plug-in Control	A	SAE Code: P0D39	INFO
P0D389E	Hybrid/EV Battery Charger Input Current Sensor Overcurrent Detection Circuit Stuck On	Comes on	Master Warning: Comes on	Plug-in Control	A	SAE Code: P0D38	INFO
P0D4C1C	Hybrid/EV Battery Charger Hybrid/EV Battery Input Voltage Sensor Voltage Out of Range	Comes on	Master Warning: Comes on	Plug-in Control	B	SAE Code: P0D4D	INFO
P0D4C36	Hybrid/EV Battery Charger Hybrid/EV Battery Input Voltage Sensor Signal Frequency Too Low	Comes on	Master Warning: Comes on	Plug-in Control	B	SAE Code: P0D4E	INFO
P0D4C37	Hybrid/EV Battery Charger Hybrid/EV Battery Input Voltage Sensor Signal Frequency Too High	Comes on	Master Warning: Comes on	Plug-in Control	B	SAE Code: P0D4F	INFO
P0D4C9E	Hybrid/EV Battery Charger Hybrid/EV Battery Input Voltage Sensor Stuck On	Comes on	Master Warning: Comes on	Plug-in Control	A	SAE Code: P0D4C	INFO
P0D5112	Hybrid/EV Battery Charger Hybrid/EV Battery Output Current Sensor Circuit	Comes on	Master Warning:	Plug-in Control	A	SAE Code:	INFO

DTC NO.	DETECTION ITEM	MIL	WARNING INDICATE	DTC OUTPUT FROM	PRIORITY	NOTE	LINK
	High Circuit Short to Battery		Comes on			P0D54	
P0D5114	Hybrid/EV Battery Charger Hybrid/EV Battery Output Current Sensor Circuit Low Circuit Short to Ground or Open	Comes on	Master Warning: Comes on	Plug-in Control	A	SAE Code: P0D53	INFO
P0D5128	Hybrid/EV Battery Charger Hybrid/EV Battery Output Current Sensor Circuit Signal Bias Level Out of Range / Zero Adjustment Failure	Comes on	Master Warning: Comes on	Plug-in Control	A	SAE Code: P0D52	INFO
P0D519E	Hybrid/EV Battery Charger Hybrid/EV Battery Output Current Sensor Circuit Stuck On	Comes on	Master Warning: Comes on	Plug-in Control	A	SAE Code: P0D51	INFO
P0D5611	Charging Connector Proximity Detection Circuit Short to Ground	Comes on	Master Warning: Comes on	Plug-in Control	A	SAE Code: P0D58	INFO
P0D5615	Charging Connector Proximity Detection Circuit Short to Auxiliary Battery or Open	Comes on	Master Warning: Comes on	Plug-in Control	A	SAE Code: P0D59	INFO
P0D5C00	Charger Input/Output Power Difference High	Comes on	Master Warning: Comes on	Plug-in Control	A	SAE Code: P0D5C	INFO
P0D5E00	Hybrid/EV Battery Charger Hybrid/EV System Discharge Time Too Long	Comes on	Master Warning: Comes on	Plug-in Control	B	SAE Code: P0D5E	INFO
P0E5E87	Plug-in Control Module Processor from Hybrid/EV Battery Charger Control Module Processor Missing Message	Comes on	Master Warning: Comes on	Plug-in Control	A	SAE Code: P0E5E	INFO
P0E619E	Hybrid/EV Battery Charger Enable Circuit Stuck On	Comes on	Master Warning: Comes on	Plug-in Control	B	SAE Code: P0E64	INFO
P0E6A73	Hybrid/EV Battery Charging System Precharge Contactor Control Actuator Stuck Closed	Comes on	Master Warning: Comes on	Plug-in Control	B	SAE Code: P0E6B	INFO

DTC NO.	DETECTION ITEM	MIL	WARNING INDICATE	DTC OUTPUT FROM	PRIORITY	NOTE	LINK
P0EF716	Hybrid/EV Battery Charger Input Voltage Sensor "B" Circuit Low Circuit Voltage Below Threshold	Comes on	Master Warning: Comes on	Plug-in Control	A	SAE Code: P0EF9	INFO
P0EF717	Hybrid/EV Battery Charger Input Voltage Sensor "B" Circuit High Circuit Voltage Above Threshold	Comes on	Master Warning: Comes on	Plug-in Control	A	SAE Code: P0EFA	INFO
P0EF728	Hybrid/EV Battery Charger Input Voltage Sensor "B" Circuit Range/Performance Signal Bias Level Out of Range / Zero Adjustment Failure	Comes on	Master Warning: Comes on	Plug-in Control	A	SAE Code: P0EF8	INFO
P0EFB16	Hybrid/EV Battery Charger "A" Input Voltage Sensor "C" Circuit Low Circuit Voltage Below Threshold	Comes on	Master Warning: Comes on	Plug-in Control	A	SAE Code: P0EFD	INFO
P166100	Battery Charger "A" Inlet-Outlet Switching Contactor Stuck Open	Comes on	Master Warning: Comes on	Plug-in Control	A	SAE Code: P1663	INFO
P166173	Battery Charger "A" Inlet-Outlet Switching Contactor Actuator Stuck Closed	Comes on	Master Warning: Comes on	Plug-in Control	A	SAE Code: P1662	INFO
P168449	AC Onboard Charger Module Processor Internal Electronic Failure	Does not come on	Master Warning: Comes on	Plug-in Control	A	SAE Code: P1684	INFO
P168749	AC Onboard Charger Module A/D Processing Internal Electronic Failure	Comes on	Master Warning: Comes on	Plug-in Control	A	SAE Code: P1687	INFO
P195162	Charger "A" DC/DC Converter Temperature Sensor (for Charging)/Hybrid/EV Output Temperature Sensor Signal Compare Failure	Comes on	Master Warning: Comes on	Plug-in Control	A	SAE Code: P1951	INFO
P195816	Charger "A" Power Feeding Output Voltage Sensor Circuit Voltage Below Threshold	Comes on	Master Warning: Comes on	Plug-in Control	A	SAE Code: P195A	INFO

DTC NO.	DETECTION ITEM	MIL	WARNING INDICATE	DTC OUTPUT FROM	PRIORITY	NOTE	LINK
P19AF00	Charger "A" DC/DC Converter Malfunction (for Power Feeding)	Comes on	Master Warning: Comes on	Plug-in Control	A	SAE Code: P19AF	INFO
P19C512	Hybrid/EV Output Temperature Sensor Circuit Short to Battery	Comes on	Master Warning: Comes on	Plug-in Control	A	SAE Code: P19C8	INFO
P19C514	Hybrid/EV Output Temperature Sensor Circuit Short to Ground or Open	Comes on	Master Warning: Comes on	Plug-in Control	A	SAE Code: P19C7	INFO
P19CC19	Hybrid/EV Battery Charger Hybrid/EV Battery Output Current (ICHG) High Circuit Current Above Threshold	Comes on	Master Warning: Comes on	Plug-in Control	B	SAE Code: P19CC	INFO
P19D014	Hybrid/EV Battery Charger Control Module "A" Sensor Power Supply "A" Circuit Short to Ground or Open	Does not come on	Master Warning: Comes on	Plug-in Control	A	SAE Code: P19D1	INFO
P1C0012	Voltage Sensor after Boosting by PFC Boosting Circuit Circuit Short to Auxiliary Battery	Comes on	Master Warning: Comes on	Plug-in Control	A	SAE Code: P1C03	INFO
P1C0014	Voltage Sensor after Boosting by PFC Boosting Circuit Circuit Short to Ground or Open	Comes on	Master Warning: Comes on	Plug-in Control	A	SAE Code: P1C02	INFO
P1C0016	Voltage Sensor after Boosting by PFC Boosting Circuit Circuit Voltage Below Threshold	Comes on	Master Warning: Comes on	Plug-in Control	A	SAE Code: P1C01	INFO
P1C009E	Voltage Sensor after Boosting by PFC Boosting Circuit Overvoltage Detection Circuit Stuck On	Comes on	Master Warning: Comes on	Plug-in Control	A	SAE Code: P1C00	INFO
P1C0512	PFC Inverter Temperature Sensor Circuit Short to Auxiliary Battery	Comes on	Master Warning: Comes on	Plug-in Control	A	SAE Code: P1C08	INFO
P1C0514	PFC Inverter Temperature Sensor Circuit Short to Ground or Open	Comes on	Master Warning:	Plug-in Control	A	SAE Code:	INFO

DTC NO.	DETECTION ITEM	MIL	WARNING INDICATE	DTC OUTPUT FROM	PRIORITY	NOTE	LINK
			Comes on			P1C07	
P1C0A12	DC/DC Converter Temperature Sensor (for Charging) Circuit Short to Auxiliary Battery	Comes on	Master Warning: Comes on	Plug-in Control	A	SAE Code: P1C0D	INFO
P1C0A14	DC/DC Converter Temperature Sensor (for Charging) Circuit Short to Ground or Open	Comes on	Master Warning: Comes on	Plug-in Control	A	SAE Code: P1C0C	INFO
P1C1B00	PFC Boosting Circuit Malfunction	Comes on	Master Warning: Comes on	Plug-in Control	A	SAE Code: P0D5C	INFO
P1C1C00	DC/DC Converter Malfunction (for Charging)	Comes on	Master Warning: Comes on	Plug-in Control	A	SAE Code: P0D5C	INFO
P1C1D00	Charging Power Low	Comes on	Master Warning: Comes on	Plug-in Control	B	SAE Code: P0D5C	INFO
P1C1E00	Charging Power High	Comes on	Master Warning: Comes on	Plug-in Control	B	SAE Code: P0D5C	INFO
P1C2562	PFC Inverter Temperature Sensor/DC/DC Converter for Charging Temperature Sensor Signal Compare Failure	Comes on	Master Warning: Comes on	Plug-in Control	A	SAE Code: P1C25	INFO
P1C2617	Hybrid/EV Battery Charger Hybrid/EV Battery Input Voltage Sensor Circuit Voltage Above Threshold	Comes on	Master Warning: Comes on	Plug-in Control	B	SAE Code: P1C26	INFO
P1C2717	Voltage Sensor after Boosting by PFC Boosting Circuit Circuit Voltage Above Threshold	Comes on	Master Warning: Comes on	Plug-in Control	A	SAE Code: P1C27	INFO
P1CA400	Charger Pre-charging Malfunction	Comes on	Master Warning: Comes on	Plug-in Control	A	SAE Code: P0D5C	INFO

DTC NO.	DETECTION ITEM	MIL	WARNING INDICATE	DTC OUTPUT FROM	PRIORITY	NOTE	LINK
P1CE996	Charger Cooling Fan Revolution Sensor Component Internal Failure	Comes on	Master Warning: Comes on	Plug-in Control	B	SAE Code: P1CEA	INFO
P1CED1C	Plug-in Control ECU Power Supply (Plus) Circuit Voltage Out of Range	Does not come on	Master Warning: Comes on	Plug-in Control	A	SAE Code: P1CED	INFO
P1CF01C	Plug-in Control ECU Power Supply (Minus) Circuit Voltage Out of Range	Does not come on	Master Warning: Comes on	Plug-in Control	A	SAE Code: P1CF0	INFO
P1EA09E	Solar Charger Enable Circuit Stuck On	Does not come on	Solar Charging Warning Light: Comes on	Plug-in Control	B	SAE Code: P1EA3	INFO
P1EA41C	Solar Charging Voltage Sensor Circuit Voltage Out of Range	Does not come on	Solar Charging Warning Light: Comes on	Plug-in Control	B	SAE Code: P1EA5	INFO
P1EA917	Solar Charging Control Module Circuit Voltage Above Threshold	Does not come on	Solar Charging Warning Light: Comes on	Plug-in Control	B	SAE Code: P1EA9	INFO
P308F49	High Voltage Charging Circuit Short during Pre-Charge	Comes on	Master Warning: Comes on	Plug-in Control	B	SAE Code: P308F	INFO
P309F49	High Voltage Charging Circuit Consumption Circuit Short	Comes on	Master Warning: Comes on	Plug-in Control	B	SAE Code: P309F	INFO
U010087	Lost Communication with ECM/PCM "A" Missing Message	Comes on	Master Warning: Comes on	Plug-in Control	B	SAE Code: U0100	INFO

DTC NO.	DETECTION ITEM	MIL	WARNING INDICATE	DTC OUTPUT FROM	PRIORITY	NOTE	LINK
U015587	Lost Communication with Instrument Panel Cluster (IPC) Control Module Missing Message	Does not come on	Master Warning: Does not come on	Plug-in Control	B	SAE Code: U0155	INFO
U01BB87	Lost Communication with Battery Charger Control Module "B" Missing Message	Comes on	Master Warning: Comes on	Plug-in Control	B	SAE Code: U01BB	INFO
U029387	Lost Communication with Hybrid/EV Powertrain Control Module Missing Message	Comes on	Master Warning: Comes on	Plug-in Control	B	SAE Code: U0293	INFO
U113A87	Lost Communication with Solar Charging Control Module Missing Message	Does not come on	Master Warning: Comes on	Plug-in Control	B	SAE Code: U113A	INFO
U115187	Lost Communication with Hybrid/EV Powertrain Control Module (ch3) Missing Message	Comes on	Master Warning: Comes on	Plug-in Control	B	SAE Code: U1151	INFO
U117B87	Lost Communication with Hybrid/EV Battery Energy Control Module "A" (ch2) Missing Message	Comes on	Master Warning: Comes on	Plug-in Control	B	SAE Code: U117B	INFO

