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

DIAGNOSTIC TROUBLE CODE CHART

Hybrid Control System

DTC NO.	DETECTION ITEM	MIL	WARNING INDICATE	NOTE	LINK
B227A11	IGBD Circuit Short to Ground	Comes on	Master Warning: Comes on	SAE Code: B227C	INFO
B227A15	IGBD Relay Circuit Short to Auxiliary Battery or Open	Comes on	Master Warning: Comes on	SAE Code: B227D	INFO
P05042B	Brake Switch "A"/"B" Signal Cross Coupled	Does not come on	Master Warning: Does not come on	SAE Code: P0504	INFO
P056014	System Voltage (BATT) Circuit Short to Ground or Open	Comes on	Master Warning: Comes on	SAE Code: P0562	INFO
P057113	Brake Switch "A" Circuit Open	Does not come on	Master Warning: Does not come on	SAE Code: P0571	INFO
P060647	Hybrid/EV Powertrain Control Module Processor Watchdog / Safety MCU Failure	Comes on	Master Warning: Comes on	SAE Code: P0606	INFO
P060687	Hybrid/EV Powertrain Control Module Processor to Monitoring Processor Missing Message	Comes on	Master Warning: Comes on	SAE Code: P0606	INFO
P060694	Hybrid/EV Powertrain Control Module Processor Unexpected Operation	Comes on	Master Warning: Comes on	SAE Code: P0606	INFO
P060A29	Hybrid/EV Powertrain Control Module Monitoring Processor Signal Invalid	Comes on	Master Warning: Comes on	SAE Code: P060A	INFO
P060A44	Hybrid/EV Powertrain Control Module Monitoring Processor Data Memory Failure	Comes on	Master Warning: Comes on	SAE Code: P060A	INFO
P060A45	Hybrid/EV Powertrain Control Module Monitoring Processor Program Memory Failure	Comes on	Master Warning: Comes on	SAE Code: P060A	INFO

DTC NO.	DETECTION ITEM	MIL	WARNING INDICATE	NOTE	LINK
P060A47	Hybrid/EV Powertrain Control Module Monitoring Processor Watchdog / Safety MCU Failure	Comes on	Master Warning: Comes on	SAE Code: P060A	INFO
P060A49	Hybrid/EV Powertrain Control Module Monitoring Processor Internal Electronic Failure	Comes on	Master Warning: Comes on	SAE Code: P060A	INFO
P060A87	Hybrid/EV Powertrain Control Module Processor from Monitoring Processor Missing Message	Comes on	Master Warning: Comes on	SAE Code: P060A	INFO
P060A94	Hybrid/EV Powertrain Control Module Monitoring Processor Unexpected Operation	Comes on	Master Warning: Comes on	SAE Code: P060A	INFO
P060B1C	Hybrid/EV Powertrain Control Module A/D Processing Voltage Out of Range	Comes on	Master Warning: Comes on	SAE Code: P060B	INFO
P060B49	Hybrid/EV Powertrain Control Module A/D Processing Internal Electronic Failure	Comes on	Master Warning: Comes on	SAE Code: P060B	INFO
P060B71	Hybrid/EV Powertrain Control Module A/D Processing Actuator Stuck	Comes on	Master Warning: Comes on	SAE Code: P060B	INFO
P062F44	Hybrid/EV Powertrain Control Module EEPROM Data Memory Failure	Comes on	Master Warning: Does not come on	SAE Code: P062F	INFO
P06881F	ECM/PCM Power Relay Sense Circuit Intermittent	Comes on	Master Warning: Comes on	SAE Code: P2511	INFO
P0A0A13	High Voltage System Interlock Circuit Open	Does not come on	Master Warning: Comes on	SAE Code: P0A0D	INFO
P0A0A92	High Voltage System Interlock Performance or Incorrect Operation	Does not come on	Master Warning: Comes on	SAE Code: P0A0D	INFO
P0A1F94	Hybrid/EV Battery Energy Control Module Unexpected Operation	Comes on	Master Warning: Comes on	SAE Code: P0A1F	INFO
P0A9300	Inverter "A" Cooling System Performance	Comes on	Master Warning: Comes on	SAE Code: P0A93	INFO

DTC NO.	DETECTION ITEM	MIL	WARNING INDICATE	NOTE	LINK
P0AA000	Hybrid/EV Battery Positive Contactor Circuit Stuck Closed	Does not come on	Master Warning: Comes on	SAE Code: P0AA1	INFO
P0AA073	Hybrid/EV Battery Positive and Negative Contactor Actuator Stuck Closed	Does not come on	Master Warning: Comes on	SAE Code: P0AA1	INFO
P0AA373	Hybrid/EV Battery Negative Contactor Actuator Stuck Closed	Does not come on	Master Warning: Comes on	SAE Code: P0AA4	INFO
P0AA649	Hybrid/EV Battery Voltage System Isolation Internal Electronic Failure	Does not come on	Master Warning Light: Comes on	SAE Code: P0AA6	INFO
P0ABF00	Hybrid/EV Battery Current Sensor "A" Circuit Range/Performance	Comes on	Master Warning Light: Comes on	SAE Code: P0AC0	INFO
P0AD911	Hybrid/EV Battery Positive Contactor Circuit Short to Ground	Does not come on	Master Warning: Comes on	SAE Code: P0ADB	INFO
P0AD915	Hybrid/EV Battery Positive Contactor Circuit Short to Auxiliary Battery or Open	Does not come on	Master Warning: Comes on	SAE Code: P0ADC	INFO
P0ADD11	Hybrid/EV Battery Negative Contactor Circuit Short to Ground	Does not come on	Master Warning: Comes on	SAE Code: P0ADF	INFO
P0ADD15	Hybrid/EV Battery Negative Contactor Circuit Short to Auxiliary Battery or Open	Does not come on	Master Warning: Comes on	SAE Code: P0AE0	INFO
P0B231C	Hybrid/EV Battery "A" Voltage Sensor Voltage Out of Range	Comes on	Master Warning: Comes on	SAE Code: P0B23	INFO
P0C7396	Motor Electronics Coolant Pump "A" Component Internal Failure	Comes on	Master Warning: Comes on	SAE Code: P0C73	INFO
P0C7600	Hybrid/EV Battery System Discharge Time Too Long	Does not come on	Master Warning: Comes on	SAE Code: P0C76	INFO
P0D2D1C	Drive Motor "A" Inverter Voltage Sensor Voltage Out of Range	Comes on	Master Warning: Comes on	SAE Code: P0D2E	INFO

DTC NO.	DETECTION ITEM	MIL	WARNING INDICATE	NOTE	LINK
P0E311C	Boosting Converter Voltage Sensor "A" Voltage Out of Range	Comes on	Master Warning: Comes on	SAE Code: P0E32	INFO
P160600	Collision detected or Collision Sensor Connection (Open)	Does not come on	Master Warning: Comes on	SAE Code: P1606	INFO
P160604	Collision detected or Collision Sensor Connection (Open) System Internal Failure	Does not come on	Master Warning: Comes on	SAE Code: P1606	INFO
P176A87	Lost Communication with Fail Safe Signal (Gear Shift Control Module "A") Missing Message	Does not come on	Master Warning: Comes on	SAE Code: P176A	INFO
P19E100	DC/DC Converter System Performance	Does not come on	Master Warning: Comes on	SAE Code: P19E1	INFO
P1AC413	Hybrid/EV Battery Stack 1 Current Interrupt Device Circuit Open	Comes on	Master Warning Light: Comes on	SAE Code: P1AC4	INFO
P1BAC1C	Hybrid/EV Battery Charging System Positive/Negative Contactor Enable Circuit Voltage Out of Range	Comes on	Master Warning: Comes on	SAE Code: P1BAF	INFO
P1C2D62	Hybrid/EV Battery "A" Voltage Sensor/Boosting Converter Voltage Sensor "A" Signal Compare Failure	Comes on	Master Warning: Comes on	SAE Code: P1C2D	INFO
P1C6A9F	Motor Shutdown Stuck Off	Does not come on	Master Warning: Comes on	SAE Code: P1C6A	INFO
P1C6C9F	Generator Shutdown Stuck Off	Does not come on	Master Warning: Comes on	SAE Code: P1C6C	INFO
P1C7779	Engine Failed to Start Mechanical Linkage Failure	Does not come on	Master Warning: Comes on	SAE Code: P0A0F	INFO
P1C7C49	Hybrid/EV Battery Voltage System Isolation (A/C Area) Internal Electronic Failure	Does not come on	Master Warning Light: Comes on	SAE Code: P0AA6	INFO
P1C7D49	Hybrid/EV Battery Voltage System Isolation (Hybrid/EV Battery Area) Internal Electronic Failure	Comes on	Master Warning Light:	SAE Code: P1C7D	INFO

DTC NO.	DETECTION ITEM	MIL	WARNING INDICATE	NOTE	LINK
			Comes on		
P1C7E49	Hybrid/EV Battery Voltage System Isolation (Transaxle Area) Internal Electronic Failure	Does not come on	Master Warning Light: Comes on	SAE Code: P0AA6	INFO
P1C7F49	Hybrid/EV Battery Voltage System Isolation (Direct Current Area) Internal Electronic Failure	Comes on	Master Warning Light: Comes on	SAE Code: P0AA6	INFO
P1C8349	High Voltage Power Resource Circuit Voltage Sensor after Boosting Malfunction	Does not come on	Master Warning: Comes on	SAE Code: P3004	INFO
P1C8449	High Voltage Power Resource Circuit Short during Ready ON	Comes on	Master Warning: Comes on	SAE Code: P3004	INFO
P1C8679	Transmission (Input) Mechanical Linkage Failure	Does not come on	Master Warning: Comes on	SAE Code: P3147	INFO
P1C8779	Generator Mechanical Linkage Failure	Does not come on	Master Warning: Comes on	SAE Code: P3147	INFO
P1C8879	Planetary Gear Mechanical Linkage Failure	Does not come on	Master Warning: Comes on	SAE Code: P3147	INFO
P1C9E9F	Hybrid/EV System Reset Stuck Off	Comes on	Master Warning: Comes on	SAE Code: P1C9E	INFO
P1CCC49	DC/DC Converter Internal Electronic Failure	Does not come on	Master Warning: Comes on	SAE Code: P1CCC	INFO
P1CE213	PCU Interlock Circuit Open	Does not come on	Master Warning: Comes on	SAE Code: P0A0D	INFO
P1CE292	PCU Interlock Performance or Incorrect Operation	Does not come on	Master Warning: Comes on	SAE Code: P0A0D	INFO
P1CE31C	Hybrid/EV Powertrain Control Module Monitoring Processor A/D Processing Voltage Out of Range	Comes on	Master Warning: Comes on	SAE Code: P1CE3	INFO
P1CE349	Hybrid/EV Powertrain Control Module Monitoring Processor A/D Processing Internal Electronic Failure	Comes on	Master Warning: Comes on	SAE Code: P1CE3	INFO

DTC NO.	DETECTION ITEM	MIL	WARNING INDICATE	NOTE	LINK
P1CE371	Hybrid/EV Powertrain Control Module Monitoring Processor A/D Processing Actuator Stuck	Comes on	Master Warning: Comes on	SAE Code: P1CE3	INFO
P1CF749	Hybrid/EV Battery Voltage System Isolation (CHR Area) Internal Electronic Failure	Comes on	Master Warning Light: Comes on	SAE Code: P1CF7	INFO
P1CFA12	IGB Signal Circuit Short to Auxiliary Battery	Does not come on	Master Warning: Comes on	SAE Code: P1CFC	INFO
P1F689F	Motor Inverter Shutdown Performance Stuck Off	Does not come on	Master Warning: Comes on	SAE Code: P1F68	INFO
P212012	Throttle/Pedal Position Sensor/Switch "D" Circuit Short to Auxiliary Battery	Comes on	Master Warning: Comes on	SAE Code: P2123	INFO
P212014	Throttle/Pedal Position Sensor/Switch "D" Circuit Short to Ground or Open	Comes on	Master Warning: Comes on	SAE Code: P2122	INFO
P21201C	Throttle/Pedal Position Sensor/Switch "D" Voltage Out of Range	Comes on	Master Warning: Comes on	SAE Code: P2121	INFO
P21201F	Throttle/Pedal Position Sensor/Switch "D" Circuit Intermittent	Comes on	Master Warning: Comes on	SAE Code: P2120	INFO
P212512	Throttle/Pedal Position Sensor/Switch "E" Circuit Short to Auxiliary Battery	Comes on	Master Warning: Comes on	SAE Code: P2128	INFO
P212514	Throttle/Pedal Position Sensor/Switch "E" Circuit Short to Ground or Open	Comes on	Master Warning: Comes on	SAE Code: P2127	INFO
P21251C	Throttle/Pedal Position Sensor/Switch "E" Voltage Out of Range	Comes on	Master Warning: Comes on	SAE Code: P2126	INFO
P21251F	Throttle/Pedal Position Sensor/Switch "E" Circuit Intermittent	Comes on	Master Warning: Comes on	SAE Code: P2125	INFO
P213800	Throttle/Pedal Position Sensor/Switch "D"/" E" Voltage Correlation	Comes on	Master Warning: Comes on	SAE Code: P2138	INFO

DTC NO.	DETECTION ITEM	MIL	WARNING INDICATE	NOTE	LINK
P21382B	Throttle/Pedal Position Sensor/Switch "D"/"E" Signal Cross Coupled	Comes on	Master Warning: Comes on	SAE Code: P2138	INFO
P253012	IG2 Signal Circuit Short to Auxiliary Battery	Does not come on	Master Warning: Comes on	SAE Code: P2532	INFO
P253314	Ignition Switch On/Start Position Circuit Low Circuit Short to Ground or Open	Does not come on	Master Warning: Does not come on	SAE Code: P2534	INFO
P310711	Lost Communication with Airbag System Control Module Circuit Short to Ground	Does not come on	Master Warning: Comes on	SAE Code: P3107	INFO
P310715	Lost Communication with Airbag System Control Module Circuit Short to Auxiliary Battery or Open	Does not come on	Master Warning: Comes on	SAE Code: P3107	INFO
P310764	Lost Communication with Airbag System Control Module Signal Plausibility Failure	Does not come on	Master Warning: Comes on	SAE Code: P3107	INFO
P314779	Transmission (Shaft) Mechanical Linkage Failure	Does not come on	Master Warning: Comes on	SAE Code: P3147	INFO
P314A31	Motor Electronics Coolant Pump "A" No Signal	Comes on	Master Warning: Comes on	SAE Code: P314A	INFO
P31B300	Hybrid/EV Battery Voltage High	Comes on	Master Warning Light: Comes on	SAE Code: P31B3	INFO
P321E9F	Motor/Generator Shutdown Signal Stuck Off	Does not come on	Master Warning: Comes on	SAE Code: P321E	INFO
P33B99F	Motor/Generator Shutdown Signal (Hybrid/EV Side) Stuck Off	Does not come on	Master Warning: Comes on	SAE Code: P33B9	INFO
P33BF9F	Motor/Generator Shutdown Signal (MG Side) Stuck Off	Does not come on	Master Warning: Comes on	SAE Code: P33BF	INFO
P33CF49	Hybrid/EV Battery Voltage System Isolation Internal Electronic Failure Abnormal Area Detection Failure	Comes on	Master Warning Light: Comes on	SAE Code: P33CF	INFO

DTC NO.	DETECTION ITEM	MIL	WARNING INDICATE	NOTE	LINK
U010087	Lost Communication with ECM/PCM "A" Missing Message	Comes on	Master Warning: Comes on	SAE Code: U0100	INFO
U010387	Lost Communication with Gear Shift Control Module "A" Missing Message	Does not come on	Master Warning: Comes on	SAE Code: U0103	INFO
U011087	Lost Communication with Drive Motor Control Module "A" Missing Message	Comes on	Master Warning: Comes on	SAE Code: U0110	INFO
U011187	Lost Communication with Hybrid/EV Battery Energy Control Module "A" Missing Message	Comes on	Master Warning: Comes on	SAE Code: U0111	INFO
U012987	Lost Communication with Brake System Control Module Missing Message	Comes on	Master Warning: Comes on	SAE Code: U0129	INFO
U013187	Lost Communication With Power Steering Control Module Missing Message	Does not come on	Master Warning: Comes on	SAE Code: U01131	INFO
U014087	Lost Communication with Body Control Module Missing Message	Does not come on	Master Warning: Comes on	SAE Code: U0140	INFO
U015187	Lost Communication with Restraints Control Module Missing Message	Does not come on	Master Warning: Comes on	SAE Code: U0151	INFO
U015500	Lost Communication with Instrument Panel Cluster (IPC) Control Module	Does not come on	Master Warning: Does not come on	SAE Code: U0155	INFO
U016487	Lost Communication with HVAC Control Module Missing Message	Does not come on	Master Warning: Does not come on	SAE Code: U0164	INFO
U01BD87	Lost Communication with DC/DC Converter Control Module "C" Missing Message	Does not come on	Master Warning: Comes on	SAE Code: U01BD	INFO
U029187	Lost Communication with Gear Shift Control Module "B" Missing Message	Does not come on	Master Warning: Does not come on	SAE Code: U0291	INFO
U042481	HVAC Control Module to Hybrid Powertrain Control Module Invalid Serial Data Received	Does not come on	Master Warning: Does not come on	SAE Code: U0424	INFO

DTC NO.	DETECTION ITEM	MIL	WARNING INDICATE	NOTE	LINK
U110787	Lost Communication with Power Management Module Missing Message	Does not come on	Master Warning: Comes on	SAE Code: U1107	INFO
U111A87	Lost Communication with ECM/PCM "A" (ch2) Missing Message	Comes on	Master Warning: Comes on	SAE Code: U111A	INFO
U113A87	Lost Communication with Solar Charging Control Module Missing Message	Does not come on	Master Warning:	SAE Code: U113A	INFO
U115387	Lost Communication with Hybrid/EV Battery Charger Control Module "A" (ch2) Missing Message	Comes on	Master Warning: Comes on	SAE Code: U1153	INFO
U115487	Lost Communication with Drive Motor Control Module "A" (ch2) Missing Message	Comes on	Master Warning: Comes on	SAE Code: U1154	INFO
U117087	Lost Communication with Brake System Control Module (Secondary CAN Line) Missing Message	Comes on	Master Warning: Comes on	SAE Code: U1170	INFO
U117687	Lost Communication with Gear Shift Control Module "A" (Powertrain Bus) Missing Message	Comes on	Master Warning: Comes on	SAE Code: U1176	INFO
U117B87	Lost Communication with Hybrid/EV Battery Energy Control Module "A" (ch2) Missing Message	Comes on	Master Warning: Comes on	SAE Code: U117B	INFO
U11BC87	Lost Communication with Hybrid/EV Powertrain Control Module (ch6) Missing Message	Does not come on	Master Warning: Does not come on	SAE Code: U11BC	INFO

