

Last Modified: 12-04-2024	6.11:8.1.0	Doc ID: RM10000002BHRK
Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [03/2023 -]
Title: HYBRID / BATTERY CONTROL: MOTOR GENERATOR CONTROL SYSTEM (for PHEV Model): DIAGNOSTIC TROUBLE CODE CHART; 2023 - 2024 MY Prius Prime [03/2023 -]		

DIAGNOSTIC TROUBLE CODE CHART

Motor Generator Control System

DTC NO.	DETECTION ITEM	MIL	WARNING INDICATE	DTC OUTPUT FROM	PRIORITY	NOTE	LINK
P033506	Crankshaft Position Sensor "A" Algorithm Based Failure	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0336	INFO
P033516	Crankshaft Position Sensor "A" Circuit Voltage Below Threshold	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0337	INFO
P033517	Crankshaft Position Sensor "A" Circuit Voltage Above Threshold	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0338	INFO
P033523	Crankshaft Position Sensor "A" Signal Stuck Low	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0337	INFO
P033524	Crankshaft Position Sensor "A" Signal Stuck High	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0338	INFO
P033562	Crankshaft Position Sensor "A" Signal Compare Failure	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0336	INFO
P034006	Camshaft Position Sensor "A" Circuit Bank 1 or Single Sensor Algorithm Based Failure	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0341	INFO
P034016	Camshaft Position Sensor "A" Circuit Bank 1 or Single Sensor Circuit Voltage Below Threshold	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0342	INFO

DTC NO.	DETECTION ITEM	MIL	WARNING INDICATE	DTC OUTPUT FROM	PRIORITY	NOTE	LINK
P034017	Camshaft Position Sensor "A" Circuit Bank 1 or Single Sensor Circuit Voltage Above Threshold	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0343	INFO
P034023	Camshaft Position Sensor "A" Circuit Bank 1 or Single Sensor Signal Stuck Low	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0342	INFO
P034024	Camshaft Position Sensor "A" Circuit Bank 1 or Single Sensor Signal Stuck High	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0343	INFO
P034062	Camshaft Position Sensor "A" Circuit Bank 1 or Single Sensor Signal Compare Failure	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0341	INFO
P062F44	Internal Control Module EEPROM Data Memory Failure	Comes on	Master Warning: Does not come on	Motor Generator	A	SAE Code: P062F	INFO
P062F46	Generator Control Module(EEPROM Learning Value) Calibration / Parameter Memory Failure	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P062F	INFO
P06B01C	Generator Control Module Position Sensor REF Power Source Circuit Voltage Out of Range	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P06B0	INFO
P06D61C	Generator Control Module Offset Power Circuit Voltage Out of Range	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P06D6	INFO
P0A0011	Motor Electronics Coolant Temperature Sensor Circuit Short to Ground	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0A02	INFO
P0A0015	Motor Electronics Coolant Temperature Sensor Circuit Short to Battery or Open	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0A03	INFO

DTC NO.	DETECTION ITEM	MIL	WARNING INDICATE	DTC OUTPUT FROM	PRIORITY	NOTE	LINK
P0A001C	Motor Electronics Coolant Temperature Sensor Circuit Voltage Out of Range	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0A01	INFO
P0A1A47	Generator Control Module Watchdog / Safety MC Failure	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0A1A	INFO
P0A1A49	Generator Control Module Internal Electronic Failure	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0A1A	INFO
P0A1B1F	Generator Control Module Circuit Intermittent	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0A1B	INFO
P0A1B47	Drive Motor "A" Control Module Watchdog / Safety MC Failure	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0A1B	INFO
P0A1B49	Drive Motor "A" Control Module Internal Electronic Failure	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0A1B	INFO
P0A1B94	Drive Motor "A" Control Module Unexpected Operation	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0A1B	INFO
P0A2A11	Drive Motor "A" Temperature Sensor Circuit Short to Ground	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0A2C	INFO
P0A2A15	Drive Motor "A" Temperature Sensor Circuit Short to Auxiliary Battery or Open	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0A2D	INFO
P0A2A1C	Drive Motor "A" Temperature Sensor Voltage Out of Range	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0A2B	INFO
P0A2A1F	Drive Motor "A" Temperature Sensor Circuit Intermittent	Comes on	Master Warning:	Motor Generator	A	SAE Code:	INFO

DTC NO.	DETECTION ITEM	MIL	WARNING INDICATE	DTC OUTPUT FROM	PRIORITY	NOTE	LINK
			Comes on			P0A2E	
P0A3611	Generator Temperature Sensor Circuit Short to Ground	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0A38	INFO
P0A3615	Generator Temperature Sensor Circuit Short to Auxiliary Battery or Open	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0A39	INFO
P0A361C	Generator Temperature Sensor Voltage Out of Range	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0A37	INFO
P0A361F	Generator Temperature Sensor Circuit Intermittent	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0A3A	INFO
P0A3F16	Drive Motor "A" Position Sensor Circuit Voltage Below Threshold	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0A3F	INFO
P0A3F1F	Drive Motor "A" Position Sensor Circuit Intermittent	Does not come on	Master Warning: Does not come on	Motor Generator	A	SAE Code: P0A43	INFO
P0A3F21	Drive Motor "A" Position Sensor Signal Amplitude < Minimum	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0A41	INFO
P0A3F22	Drive Motor "A" Position Sensor Signal Amplitude > Maximum	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0A42	INFO
P0A4B16	Generator Position Sensor Circuit Voltage Below Threshold	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0A4B	INFO
P0A4B1F	Generator Position Sensor Circuit Intermittent	Does not come on	Master Warning: Does not come on	Motor Generator	A	SAE Code: P0A4F	INFO

DTC NO.	DETECTION ITEM	MIL	WARNING INDICATE	DTC OUTPUT FROM	PRIORITY	NOTE	LINK
P0A4B21	Generator Position Sensor Signal Amplitude < Minimum	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0A4D	INFO
P0A4B22	Generator Position Sensor Signal Amplitude > Maximum	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0A4E	INFO
P0A6012	Drive Motor "A" Phase V Current(High Resolution) Circuit Short to Battery	Does not come on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0A62	INFO
P0A6014	Drive Motor "A" Phase V Current(High Resolution) Circuit Short to Ground or Open	Does not come on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0A61	INFO
P0A601C	Drive Motor "A" Phase V Current(High Resolution) Circuit Voltage Out of Range	Does not come on	Master Warning: Comes on	Motor Generator	A	SAE Code: P1C32	INFO
P0A601F	Drive Motor "A" Phase V Current(High Resolution) Circuit Intermittent	Does not come on	Master Warning: Does not come on	Motor Generator	A	SAE Code: P1C33	INFO
P0A6312	Drive Motor "A" Phase W Current(High Resolution) Circuit Short to Battery	Does not come on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0A65	INFO
P0A6314	Drive Motor "A" Phase W Current(High Resolution) Circuit Short to Ground or Open	Does not come on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0A64	INFO
P0A631C	Drive Motor "A" Phase W Current(High Resolution) Circuit Voltage Out of Range	Does not come on	Master Warning: Comes on	Motor Generator	A	SAE Code: P1C34	INFO
P0A631F	Drive Motor "A" Phase W Current(High Resolution) Circuit Intermittent	Does not come on	Master Warning: Does not come on	Motor Generator	A	SAE Code: P1C35	INFO

DTC NO.	DETECTION ITEM	MIL	WARNING INDICATE	DTC OUTPUT FROM	PRIORITY	NOTE	LINK
P0A7872	Drive Motor "A" Inverter Actuator Stuck Open	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0A78	INFO
P0A7873	Drive Motor "A" Inverter Actuator Stuck Closed	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0A78	INFO
P0A789E	Drive Motor "A" Inverter Stuck On	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0A78	INFO
P0A7A72	Generator Inverter Actuator Stuck Open	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0A7A	INFO
P0A7A73	Generator Inverter Actuator Stuck Closed	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0A7A	INFO
P0A7A9E	Generator Inverter Stuck On	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0A7A	INFO
P0A9000	Drive Motor "A" Performance	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0A90	INFO
P0A9200	Hybrid/EV Generator Performance	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0A92	INFO
P0A949E	DC/DC Converter Stuck On	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0A94	INFO
P0AED11	Drive Motor Inverter Temperature Sensor "A" Circuit Short to Ground	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0AEF	INFO
P0AED15	Drive Motor Inverter Temperature Sensor "A" Circuit Short to Battery or	Comes on	Master Warning:	Motor Generator	A	SAE Code:	INFO

DTC NO.	DETECTION ITEM	MIL	WARNING INDICATE	DTC OUTPUT FROM	PRIORITY	NOTE	LINK
	Open		Comes on			P0AF0	
P0AED1C	Drive Motor Inverter Temperature Sensor "A" Circuit Voltage Out of Range	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0AEE	INFO
P0BCC11	Generator Inverter Temperature Sensor Circuit Short to Ground	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0BCE	INFO
P0BCC15	Generator Inverter Temperature Sensor Circuit Short to Battery or Open	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0BCF	INFO
P0BCC1C	Generator Inverter Temperature Sensor Circuit Voltage Out of Range	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0BCD	INFO
P0BE512	Drive Motor "A" Phase U Current Sensor Circuit Short to Battery	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0BE8	INFO
P0BE514	Drive Motor "A" Phase U Current Sensor Circuit Short to Ground or Open	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0BE7	INFO
P0BE51F	Drive Motor "A" Phase U Current Sensor Circuit Intermittent	Does not come on	Master Warning: Does not come on	Motor Generator	A	SAE Code: P1C40	INFO
P0BE528	Drive Motor "A" Phase U Current Sensor Signal Bias Level Out of Range / Zero Adjustment Failure"	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0BE6	INFO
P0BE912	Drive Motor "A" Phase V Current Sensor Circuit Short to Battery	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0BEC	INFO
P0BE914	Drive Motor "A" Phase V Current Sensor Circuit Short to Ground or Open	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0BEB	INFO

DTC NO.	DETECTION ITEM	MIL	WARNING INDICATE	DTC OUTPUT FROM	PRIORITY	NOTE	LINK
P0BE91F	Drive Motor "A" Phase V Current Sensor Circuit Intermittent	Does not come on	Master Warning: Does not come on	Motor Generator	A	SAE Code: P1C41	INFO
P0BE928	Drive Motor "A" Phase V Current Sensor Signal Bias Level Out of Range / Zero Adjustment Failure"	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0BEA	INFO
P0BED12	Drive Motor "A" Phase W Current Sensor Circuit Short to Battery	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0BF0	INFO
P0BED14	Drive Motor "A" Phase W Current Sensor Circuit Short to Ground or Open	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0BEF	INFO
P0BED1F	Drive Motor "A" Phase W Current Sensor Circuit Intermittent	Does not come on	Master Warning: Does not come on	Motor Generator	A	SAE Code: P1C42	INFO
P0BED28	Drive Motor "A" Phase W Current Sensor Signal Bias Level Out of Range / Zero Adjustment Failure"	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0BEE	INFO
P0BFD62	Drive Motor "A" Phase U-V-W Current Sensor Signal Compare Failure"	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0BFD	INFO
P0BFF1D	Drive Motor "A" Circuit Current Out of Range	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0BFF	INFO
P0C1900	Drive Motor "A" Execution Torque Performance	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0C19	INFO
P0C3811	DC/DC Converter Temperature Sensor "A" Circuit Short to Ground	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0C3A	INFO

DTC NO.	DETECTION ITEM	MIL	WARNING INDICATE	DTC OUTPUT FROM	PRIORITY	NOTE	LINK
P0C3815	DC/DC Converter Temperature Sensor "A" Circuit Short to Battery or Open	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0C3B	INFO
P0C381C	DC/DC Converter Temperature Sensor "A" Circuit Voltage Out of Range	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0C39	INFO
P0C3D11	DC/DC Converter Temperature Sensor "B" Circuit Short to Ground	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0C3F	INFO
P0C3D15	DC/DC Converter Temperature Sensor "B" Circuit Short to Battery or Open	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0C40	INFO
P0C3D1C	DC/DC Converter Temperature Sensor "B" Circuit Voltage Out of Range	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0C3E	INFO
P0C5013	Drive Motor "A" Position Sensor Circuit "A" Circuit Open	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0C50	INFO
P0C5016	Drive Motor "A" Position Sensor Circuit "A" Circuit Voltage Below Threshold	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0C52	INFO
P0C5017	Drive Motor "A" Position Sensor Circuit "A" Circuit Voltage Above Threshold	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0C53	INFO
P0C501F	Drive Motor "A" Position Sensor Circuit "A" Circuit Intermittent	Does not come on	Master Warning: Does not come on	Motor Generator	A	SAE Code: P0C54	INFO
P0C5A13	Drive Motor "A" Position Sensor Circuit "B" Circuit Open	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0C5A	INFO

DTC NO.	DETECTION ITEM	MIL	WARNING INDICATE	DTC OUTPUT FROM	PRIORITY	NOTE	LINK
P0C5A16	Drive Motor "A" Position Sensor Circuit "B" Circuit Voltage Below Threshold	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0C5C	INFO
P0C5A17	Drive Motor "A" Position Sensor Circuit "B" Circuit Voltage Above Threshold	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0C5D	INFO
P0C5A1F	Drive Motor "A" Position Sensor Circuit "B" Circuit Intermittent	Does not come on	Master Warning: Does not come on	Motor Generator	A	SAE Code: P0C5E	INFO
P0C6413	Generator Position Sensor Circuit "A" Circuit Open	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0C64	INFO
P0C6416	Generator Position Sensor Circuit "A" Circuit Voltage Below Threshold	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0C66	INFO
P0C6417	Generator Position Sensor Circuit "A" Circuit Voltage Above Threshold	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0C67	INFO
P0C641F	Generator Position Sensor Circuit "A" Circuit Intermittent	Does not come on	Master Warning: Does not come on	Motor Generator	A	SAE Code: P0C68	INFO
P0C6913	Generator Position Sensor Circuit "B" Circuit Open	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0C69	INFO
P0C6916	Generator Position Sensor Circuit "B" Circuit Voltage Below Threshold	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0C6B	INFO
P0C6917	Generator Position Sensor Circuit "B" Circuit Voltage Above Threshold	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0C6C	INFO

DTC NO.	DETECTION ITEM	MIL	WARNING INDICATE	DTC OUTPUT FROM	PRIORITY	NOTE	LINK
P0C691F	Generator Position Sensor Circuit "B" Circuit Intermittent	Does not come on	Master Warning: Does not come on	Motor Generator	A	SAE Code: P0C6D	INFO
P0C7917	Drive Motor "A" Inverter Voltage Sensor(VH) Circuit Voltage Above Threshold	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0C79	INFO
P0CA300	DC/DC Converter Step Up Voltage Performance	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0CA3	INFO
P0D2D16	Drive Motor "A" Inverter Voltage Sensor(VH) Circuit Voltage Below Threshold	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0D2F	INFO
P0D2D17	Drive Motor "A" Inverter Voltage Sensor(VH) Circuit Voltage Above Threshold	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0D30	INFO
P0D2D1F	Drive Motor "A" Inverter Voltage Sensor(VH) Circuit Intermittent	Does not come on	Master Warning: Does not come on	Motor Generator	A	SAE Code: P0D31	INFO
P0D3319	DC/DC Converter Circuit Current Above Threshold	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0D33	INFO
P0DFA62	Generator Phase U-V-W Current Sensor Signal Compare Failure	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0DFA	INFO
P0E0012	Generator Phase U Current Sensor Circuit Short to Battery	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0E03	INFO
P0E0014	Generator Phase U Current Sensor Circuit Short to Ground or Open	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0E02	INFO

DTC NO.	DETECTION ITEM	MIL	WARNING INDICATE	DTC OUTPUT FROM	PRIORITY	NOTE	LINK
P0E001F	Generator Phase U Current Sensor Circuit Intermittent	Does not come on	Master Warning: Does not come on	Motor Generator	A	SAE Code: P1C46	INFO
P0E0028	Generator Phase U Current Sensor Signal Bias Level Out of Range / Zero Adjustment Failure	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0E01	INFO
P0E0412	Generator Phase V Current Sensor Circuit Short to Battery	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0E07	INFO
P0E0414	Generator Phase V Current Sensor Circuit Short to Ground or Open	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0E06	INFO
P0E041F	Generator Phase V Current Sensor Circuit Intermittent	Does not come on	Master Warning: Does not come on	Motor Generator	A	SAE Code: P1C47	INFO
P0E0428	Generator Phase V Current Sensor Signal Bias Level Out of Range / Zero Adjustment Failure	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0E05	INFO
P0E0812	Generator Phase W Current Sensor Circuit Short to Battery	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0E0B	INFO
P0E0814	Generator Phase W Current Sensor Circuit Short to Ground or Open	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0E0A	INFO
P0E081F	Generator Phase W Current Sensor Circuit Intermittent	Does not come on	Master Warning: Does not come on	Motor Generator	A	SAE Code: P1C48	INFO
P0E0828	Generator Phase W Current Sensor Signal Bias Level Out of Range / Zero Adjustment Failure	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0E09	INFO

DTC NO.	DETECTION ITEM	MIL	WARNING INDICATE	DTC OUTPUT FROM	PRIORITY	NOTE	LINK
P0E3116	DC/DC Converter Voltage Sensor "A" (VL) Circuit Voltage Below Threshold	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0E33	INFO
P0E3117	DC/DC Converter Voltage Sensor "A" (VL) Circuit Voltage Above Threshold	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0E34	INFO
P0E311F	DC/DC Converter Voltage Sensor "A" (VL) Circuit Intermittent	Does not come on	Master Warning: Does not come on	Motor Generator	A	SAE Code: P0E35	INFO
P0E5111	DC/DC Converter Current Sensor Circuit Short to Ground	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0E53	INFO
P0E5115	DC/DC Converter Current Sensor Circuit Short to Battery or Open	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0E54	INFO
P0E511F	DC/DC Converter Current Sensor Circuit Intermittent	Does not come on	Master Warning: Does not come on	Motor Generator	A	SAE Code: P0E55	INFO
P0E5128	DC/DC Converter Current Sensor Signal Bias Level Out of Range / Zero Adjustment Failure	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0E52	INFO
P0E5717	DC/DC Converter Voltage Sensor "A" (VL) Circuit Voltage Above Threshold	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0E57	INFO
P0E7100	Generator Execution Torque Performance	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0E71	INFO
P0E9B11	DC/DC Converter Current Sensor "B" Circuit Low Circuit Short to Ground	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0E9D	INFO

DTC NO.	DETECTION ITEM	MIL	WARNING INDICATE	DTC OUTPUT FROM	PRIORITY	NOTE	LINK
P0E9B15	DC/DC Converter Current Sensor "B" Circuit High Circuit Short to Battery or Open	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0E9E	INFO
P0E9B1F	DC/DC Converter Current Sensor "B" Circuit Intermittent/Erratic Circuit Intermittent	Does not come on	Master Warning: Does not come on	Motor Generator	A	SAE Code: P0E9F	INFO
P0E9B28	DC/DC Converter Current Sensor "B" Circuit Range/Performance Signal Bias Level Out of Range / Zero Adjustment Failure	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0E9C	INFO
P0EA011	DC/DC Converter Current Sensor "C" Circuit Low Circuit Short to Ground	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0EA2	INFO
P0EA015	DC/DC Converter Current Sensor "C" Circuit High Circuit Short to Battery or Open	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0EA3	INFO
P0EA028	DC/DC Converter Current Sensor "C" Circuit Range/Performance Signal Bias Level Out of Range / Zero Adjustment Failure	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0EA1	INFO
P0EA59E	DC/DC Converter "B" Stuck On	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0EA5	INFO
P19F81C	Generator Control Module Offset Power Circuit Voltage Out of Range	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P19F8	INFO
P1C2A1C	Generator A/D Converter Circuit Circuit Voltage Out of Range	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P1C2A	INFO
P1C2A49	Generator A/D Converter Circuit Internal Electronic Failure	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P1C2A	INFO

DTC NO.	DETECTION ITEM	MIL	WARNING INDICATE	DTC OUTPUT FROM	PRIORITY	NOTE	LINK
P1C2A71	Generator A/D Converter Circuit Actuator Stuck	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P1C2A	INFO
P1C2B1C	Drive Motor "A" Control Module A/D Converter Circuit Voltage Out of Range	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P1C2B	INFO
P1C2B49	Drive Motor "A" Control Module A/D Converter Circuit Internal Electronic Failure	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P1C2B	INFO
P1C2B71	Drive Motor "A" Control Module A/D Converter Circuit Actuator Stuck	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P1C2B	INFO
P1C5D19	Drive Motor "A" Inverter Circuit Current Above Threshold	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P1C5D	INFO
P1C5F19	Generator Inverter Circuit Current Above Threshold	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P1C5F	INFO
P1C601F	Generator Control Module Position Sensor REF Power Source Circuit Intermittent	Does not come on	Master Warning: Does not come on	Motor Generator	A	SAE Code: P1C60	INFO
P1C621F	Generator Control Module Offset Power Circuit Intermittent	Does not come on	Master Warning: Does not come on	Motor Generator	A	SAE Code: P1C62	INFO
P1C641F	Generator Control Module Circuit Intermittent	Does not come on	Master Warning: Does not come on	Motor Generator	A	SAE Code: P1C64	INFO
P1C651F	Generator Control Module Circuit Intermittent	Does not come on	Master Warning:	Motor Generator	A	SAE Code: P1C65	INFO

DTC NO.	DETECTION ITEM	MIL	WARNING INDICATE	DTC OUTPUT FROM	PRIORITY	NOTE	LINK
			Does not come on				
P1C671F	Drive Motor "A" Phase U-V-W Current Sensor Circuit Intermittent	Does not come on	Master Warning: Does not come on	Motor Generator	A	SAE Code: P1C67	INFO
P1C691F	Generator Phase U-V-W Current Sensor Circuit Intermittent	Does not come on	Master Warning: Does not come on	Motor Generator	A	SAE Code: P1C69	INFO
P1CA51D	Hybrid/EV Generator Circuit Current Out of Range	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P1CA5	INFO
P1CAC49	Generator Position Sensor Internal Electronic Failure	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P1CAC	INFO
P1CAD49	Drive Motor "A" Position Sensor Internal Electronic Failure	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P1CAD	INFO
P1CAF38	Generator Position Sensor REF Signal Cycle Malfunction Signal Frequency Incorrect	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P1CAF	INFO
P1CB038	Drive Motor "A" Position Sensor REF Signal Frequency Incorrect	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P1CB0	INFO
P1CB59E	DC/DC Converter Voltage Sensor "A" (VL) Stuck On	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0A94	INFO
P1CB69E	Drive Motor "A" Inverter Voltage Sensor(VH) Stuck On	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P0A78	INFO

DTC NO.	DETECTION ITEM	MIL	WARNING INDICATE	DTC OUTPUT FROM	PRIORITY	NOTE	LINK
P1F2F19	DC/DC Converter "B" Circuit Current Above Threshold	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P1F2F	INFO
P1F7011	DC/DC Converter Current Sensor "D" Circuit Low Circuit Short to Ground	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P1F72	INFO
P1F7015	DC/DC Converter Current Sensor "D" Circuit High Circuit Short to Battery or Open	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P1F73	INFO
P1F7028	DC/DC Converter Current Sensor "D" Circuit Range/Performance Signal Bias Level Out of Range / Zero Adjustment Failure	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P1F71	INFO
P1F7562	DC/DC Converter Current Sensor A/C Correlation Signal Compare Failure	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P1F75	INFO
P1F7662	DC/DC Converter Current Sensor B/D Correlation Signal Compare Failure	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P1F76	INFO
P26DF1C	Generator Control Module Position Sensor REF Power Source Circuit Voltage Out of Range	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P26DF	INFO
P26DF1F	Generator Control Module Position Sensor REF Power Source Circuit Intermittent	Does not come on	Master Warning: Does not come on	Motor Generator	A	SAE Code: P19F7	INFO
P274A11	Transmission Fluid Temperature Sensor "C" Circuit Short to Ground	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P274C	INFO
P274A15	Transmission Fluid Temperature Sensor "C" Circuit Short to Auxiliary Battery or Open	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P274D	INFO

DTC NO.	DETECTION ITEM	MIL	WARNING INDICATE	DTC OUTPUT FROM	PRIORITY	NOTE	LINK
P274A1C	Transmission Fluid Temperature Sensor "C" Voltage Out of Range	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P274B	INFO
P274A1F	Transmission Fluid Temperature Sensor "C" Circuit Intermittent	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P274E	INFO
P2C8C11	DC/DC Converter Temperature Sensor "D" Circuit Low Circuit Short to Ground	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P2C8E	INFO
P2C8C15	DC/DC Converter Temperature Sensor "D" Circuit High Circuit Short to Battery or Open	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P2C8F	INFO
P2C8C1C	DC/DC Converter Temperature Sensor "D" Circuit Range/Performance Circuit Voltage Out of Range	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P2C8D	INFO
P2CA511	DC/DC Converter Temperature Sensor "E" Circuit Low Circuit Short to Ground	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P2CA6	INFO
P2CA515	DC/DC Converter Temperature Sensor "E" Circuit High Circuit Short to Battery or Open	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P2CA7	INFO
P2CA51C	DC/DC Converter Temperature Sensor "E" Circuit Range/Performance Circuit Voltage Out of Range	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P2CA8	INFO
P31241F	Lost Communication between Drive Motor "A" and HV/EV ECU Circuit Intermittent	Does not come on	Master Warning: Does not come on	Motor Generator	A	SAE Code: P3124	INFO
P313383	Communication Error from Generator to Drive Motor "A" Value of Signal Protection Calculation Incorrect	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P3133	INFO

DTC NO.	DETECTION ITEM	MIL	WARNING INDICATE	DTC OUTPUT FROM	PRIORITY	NOTE	LINK
P313386	Communication Error from Generator to Drive Motor "A" Signal Invalid	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P3133	INFO
P313387	Communication Error from Generator to Drive Motor "A" Missing Message	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P3133	INFO
P313483	Communication Error from Drive Motor "A" to Generator Value of Signal Protection Calculation Incorrect	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P3134	INFO
P313486	Communication Error from Drive Motor "A" to Generator Signal Invalid	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P3134	INFO
P313487	Communication Error from Drive Motor "A" to Generator Missing Message	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P3134	INFO
P314F1F	DC/DC Converter Voltage Sensor "A" (VL) Circuit Intermittent	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P314F	INFO
P31531D	DC/DC Converter Current Sensor Circuit Current Out of Range	Does not come on	Master Warning: Comes on	Motor Generator	A	SAE Code: P3153	INFO
U010087	Lost Communication With ECM/PCM "A" Missing Message	Comes on	Master Warning: Comes on	Motor Generator	B	SAE Code: U0100	INFO
U029387	Lost Communication With Hybrid Powertrain Control Module Missing Message	Comes on	Master Warning: Comes on	Motor Generator	B	SAE Code: U0293	INFO
U117008	Lost Communication with Brake System Control Module (ch2) Bus Signal / Message Failure	Does not come on	Master Warning: Comes on	Motor Generator	B	SAE Code: U1170	INFO
U117087	Lost Communication With Brake System Control Module(ch2) Missing Message	Comes on	Master Warning:	Motor Generator	B	SAE Code:	INFO

DTC NO.	DETECTION ITEM	MIL	WARNING INDICATE	DTC OUTPUT FROM	PRIORITY	NOTE	LINK
			Comes on			U1170	
U11B300	Lost Communication with Hybrid/EV Powertrain Control Module (ch5) (System 2) Missing Message	Comes on	Master Warning: Comes on	Motor Generator	B	SAE Code: U11B3	INFO
U11B387	Lost Communication with Hybrid/EV Powertrain Control Module (ch5) Missing Message	Comes on	Master Warning: Comes on	Motor Generator	B	SAE Code: U11B3	INFO

