

DIAGNOSTIC TROUBLE CODE CHART

DTC No. (See Page)	Detection Item	INF Code	Detection Condition	Trouble Area	MIL *1	Master Warning Lamp *2	Warning *3
B2799 (05-2369) *4 (05-2414) *5	Immobilizer Mal- function	539	Immobilizer malfunction	• Immobilizer system	X	X	-
B2799 (05-2369) *4 (05-2414) *5	Immobilizer Mal- function	540	Immobilizer malfunction	• Immobilizer system	X	X	-
B2799 (05-2369) *4 (05-2414) *5	Immobilizer Mal- function	541	Immobilizer malfunction	• Immobilizer system	X	X	-
B2799 (05-2369) *4 (05-2414) *5	Immobilizer Mal- function	542	Immobilizer malfunction	• Immobilizer system	X	X	-
B2799 (05-2369) *4 (05-2414) *5	Immobilizer Mal- function	543	Immobilizer malfunction	• Immobilizer system	X	X	-
B2799 (05-2369) *4 (05-2414) *5	Immobilizer Mal- function	544	Immobilizer malfunction	• Immobilizer system	X	X	-
P0336 (05-458)	Crankshaft Posi- tion Sensor "A" Circuit Range/Per- formance	137	Engine speed sensor devi- ation malfunction (CAN communication)	• Wire harness or connector • Crankshaft position sensor • Camshaft position sensor • HV control ECU	X	○	• HV system
P0338 (05-461)	Crankshaft Posi- tion Sensor "A" Circuit High Input	600	NEO signal circuit malfunc- tion	• Wire harness or connector • HV control ECU	X	○	• HV system
P0340 (05-458)	Camshaft Position Sensor "A" Circuit	532	Engine speed sensor devi- ation malfunction (pulse sig- nal)	• Wire harness or connector • Crankshaft position sensor • Camshaft position sensor • HV control ECU	X	○	• HV system
P0343 (05-461)	Camshaft Position Sensor "A" Circuit High Input	601	GO signal circuit malfunc- tion	• Wire harness or connector • HV control ECU	X	○	• HV system
P0500 (05-2698)	Vehicle Speed Sensor "A"	352	No input of vehicle speed signal during cruise control driving	• Cruise control system	X	X	-
P0560 (05-463)	System Voltage	117	HV control ECU back-up power source circuit mal- function	• Wire harness or connector • HEV fuse	○	○	• HV system
P0571 (05-2702)	Brake Switch "A" Circuit	115	Open or short in stop lamp switch circuit	• Cruise control system	X	X	-
P0607 (05-2707)	Control Module Performance	116	When STP signal of HV control ECU is inconsistent with that of skid control ECU, with cruise control in- dicator ON	• Cruise control system	X	X	-
P0705 (05-467)	Transmission Range Sensor Cir- cuit	571	Open or GND short in shift main sensor circuit	• Wire harness or connector • Selector lever • HV control ECU	X	○	• HV system
P0705 (05-467)	Transmission Range Sensor Cir- cuit	572	+B short in shift main sen- sor circuit	• Wire harness or connector • Selector lever • HV control ECU	X	○	• HV system
P0705 (05-467)	Transmission Range Sensor Cir- cuit	573	Open or GND short in shift sub sensor circuit	• Wire harness or connector • Selector lever • HV control ECU	X	○	• HV system

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DTC No. (See Page)	Detection Item	INF Code	Detection Condition	Trouble Area	MIL *1	Master Warning Lamp *2	Warning *3
P0705 (05-467)	Transmission Range Sensor Cir- cuit	574	+B short in shift sub sensor circuit	<ul style="list-style-type: none"> • Wire harness or connector • Selector lever • HV control ECU 	X	○	• HV system
P0705 (05-467)	Transmission Range Sensor Cir- cuit	575	Open or GND short in select main sensor circuit	<ul style="list-style-type: none"> • Wire harness or connector • Selector lever • HV control ECU 	X	○	• HV system
P0705 (05-467)	Transmission Range Sensor Cir- cuit	576	+B short in select main sen- sor circuit	<ul style="list-style-type: none"> • Wire harness or connector • Selector lever • HV control ECU 	X	○	• HV system
P0705 (05-467)	Transmission Range Sensor Cir- cuit	577	Open or GND short in select sub sensor circuit	<ul style="list-style-type: none"> • Wire harness or connector • Selector lever • HV control ECU 	X	○	• HV system
P0705 (05-467)	Transmission Range Sensor Cir- cuit	578	+B short in select sub sen- sor circuit	<ul style="list-style-type: none"> • Wire harness or connector • Selector lever • HV control ECU 	X	○	• HV system
P0705 (05-467)	Transmission Range Sensor Cir- cuit	595	Difference between shift main sensor value and shift sub sensor value is large	<ul style="list-style-type: none"> • Wire harness or connector • Selector lever • HV control ECU 	X	○	• HV system
P0705 (05-467)	Transmission Range Sensor Cir- cuit	596	Difference between select main sensor value and se- lect sub sensor value is large	<ul style="list-style-type: none"> • Wire harness or connector • Selector lever • HV control ECU 	X	○	• HV system
P0851 (05-478)	Park/Neutral Switch Input Cir- cuit Low	579	GND short in P position switch circuit	<ul style="list-style-type: none"> • Wire harness or connector • P position switch • HV control ECU 	X	○	• HV system
P0852 (05-478)	Park/Neutral Switch Input Cir- cuit High	580	Open or +B short in P posi- tion switch circuit	<ul style="list-style-type: none"> • Wire harness or connector • P position switch • HV control ECU 	X	○	• HV system
P0A08 (05-481)	DC/DC Converter Status Circuit	264	DC/DC converter malfunc- tion	<ul style="list-style-type: none"> • Auxiliary battery • FL block • HV control ECU • Fuse (for 12 V electrical equip- ment) • Engine room R/B • Inverter cooling hose • Water w/ motor and bracket pump assy • Cooling fan motor • Cooling fan motor No. 2 • Wire harness or connector • w/ Converter inverter assembly (DC/DC converter) 	X	○	<ul style="list-style-type: none"> • HV system • Discharge
P0A09 (05-490)	DC/DC Converter Status Circuit Low Input	265	Open or GND short in NODD signal circuit of DC/ DC converter	<ul style="list-style-type: none"> • Wire harness or connector • w/ converter inverter assembly 	X	○	<ul style="list-style-type: none"> • HV system • Discharge
P0A09 (05-492)	DC/DC Converter Status Circuit Low Input	591	Open or GND short in VLO signal circuit of DC/DC con- verter	<ul style="list-style-type: none"> • Wire harness or connector • w/ converter inverter assembly 	X	○	<ul style="list-style-type: none"> • HV system • Discharge
P0A0F (05-494)	Engine Failed to Start	204	Abnormal signal input from ECM (abnormal engine out- put)	<ul style="list-style-type: none"> • ECM • SFI system 	X	○	• HV system
P0A0F (05-494)	Engine Failed to Start	205	Abnormal signal input from ECM (engine is unable to start)	<ul style="list-style-type: none"> • ECM • SFI system 	X	○	• HV system

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P0A0F (05-495)	Engine Failed to Start	238	Engine does not start even though cranking it (transaxle input malfunction [engine system])	<ul style="list-style-type: none"> • Engine assembly • HV transaxle assembly (shaft or gear) • Transmission input damper • Wire harness or connector • HV control ECU 	X	○	• HV system
P0A0F (05-494)	Engine Failed to Start	533	Abnormal signal input from ECM (abnormal engine output by running out of fuel)	<ul style="list-style-type: none"> • ECM • SFI system 	X	○	• HV system
P0A0F (05-494)	Engine Failed to Start	534	Abnormal signal input from ECM (engine is unable to start by running out of fuel)	<ul style="list-style-type: none"> • ECM • SFI system 	X	○	• HV system
P0A10 (05-490)	DC/DC Converter Status Circuit High Input	263	+B short in NODD signal circuit of DC/DC converter	<ul style="list-style-type: none"> • Wire harness or connector • w/ converter inverter assembly 	X	○	<ul style="list-style-type: none"> • HV system • Discharge
P0A10 (05-492)	DC/DC Converter Status Circuit High Input	592	+B short in VLO signal circuit of DC/DC converter	<ul style="list-style-type: none"> • Wire harness or connector • w/ converter inverter assembly 	X	○	<ul style="list-style-type: none"> • HV system • Discharge
P0A1D (05-500)	Hybrid Powertrain Control Module	134	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05-500)	Hybrid Powertrain Control Module	135	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05-501)	Hybrid Powertrain Control Module	139	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05-502)	Hybrid Powertrain Control Module	140	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05-503)	Hybrid Powertrain Control Module	141	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05-504)	Hybrid Powertrain Control Module	142	ST signal of HV control ECU is ON with power switch OFF	<ul style="list-style-type: none"> • Wire harness or connector • Power source control ECU 	○	○	• HV system
P0A1D (05-507)	Hybrid Powertrain Control Module	143	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05-508)	Hybrid Powertrain Control Module	144	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05-508)	Hybrid Powertrain Control Module	145	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05-509)	Hybrid Powertrain Control Module	148	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05-509)	Hybrid Powertrain Control Module	149	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05-510)	Hybrid Powertrain Control Module	150	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05-510)	Hybrid Powertrain Control Module	151	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05-510)	Hybrid Powertrain Control Module	152	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05-510)	Hybrid Powertrain Control Module	155	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05-510)	Hybrid Powertrain Control Module	156	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05-510)	Hybrid Powertrain Control Module	158	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05-512)	Hybrid Powertrain Control Module	159	HV control ECU internal error	• HV control ECU	○	○	• HV system

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DTC No. (See Page)	Detection Item	INF Code	Detection Condition	Trouble Area	MIL *1	Master Warning Lamp *2	Warning *3
P0A1D (05-512)	Hybrid Powertrain Control Module	160	HV control ECU internal error	•HV control ECU	○	○	•HV system
P0A1D (05-513)	Hybrid Powertrain Control Module	163	HV control ECU internal error	•HV control ECU	○	○	•HV system
P0A1D (05-513)	Hybrid Powertrain Control Module	164	HV control ECU internal error	•HV control ECU	○	○	•HV system
P0A1D (05-514)	Hybrid Powertrain Control Module	165	HV control ECU internal error	•HV control ECU	○	○	•HV system
P0A1D (05-515)	Hybrid Powertrain Control Module	166	HV control ECU internal error	•HV control ECU	○	○	•HV system
P0A1D (05-515)	Hybrid Powertrain Control Module	167	HV control ECU internal error	•HV control ECU	○	○	•HV system
P0A1D (05-514)	Hybrid Powertrain Control Module	168	HV control ECU internal error	•HV control ECU	○	○	•HV system
P0A1D (05-516)	Hybrid Powertrain Control Module	177	HV control ECU internal error	•HV control ECU	○	○	•HV system
P0A1D (05-516)	Hybrid Powertrain Control Module	178	HV control ECU internal error	•HV control ECU	○	○	•HV system
P0A1D (05-517)	Hybrid Powertrain Control Module	180	HV control ECU internal error	•HV control ECU	○	○	•HV system
P0A1D (05-517)	Hybrid Powertrain Control Module	181	HV control ECU internal error	•HV control ECU	○	○	•HV system
P0A1D (05-517)	Hybrid Powertrain Control Module	182	HV control ECU internal error	•HV control ECU	○	○	•HV system
P0A1D (05-517)	Hybrid Powertrain Control Module	183	HV control ECU internal error	•HV control ECU	○	○	•HV system
P0A1D (05-517)	Hybrid Powertrain Control Module	184	HV control ECU internal error	•HV control ECU	○	○	•HV system
P0A1D (05-517)	Hybrid Powertrain Control Module	185	HV control ECU internal error	•HV control ECU	○	○	•HV system
P0A1D (05-517)	Hybrid Powertrain Control Module	186	HV control ECU internal error	•HV control ECU	○	○	•HV system
P0A1D (05-519)	Hybrid Powertrain Control Module	187	HV control ECU internal error	•HV control ECU	○	○	•HV system
P0A1D (05-520)	Hybrid Powertrain Control Module	188	HV control ECU internal error	•HV control ECU	○	○	•HV system
P0A1D (05-520)	Hybrid Powertrain Control Module	189	HV control ECU internal error	•HV control ECU	○	○	•HV system
P0A1D (05-520)	Hybrid Powertrain Control Module	192	HV control ECU internal error	•HV control ECU	○	○	•HV system
P0A1D (05-520)	Hybrid Powertrain Control Module	193	HV control ECU internal error	•HV control ECU	○	○	•HV system
P0A1D (05-520)	Hybrid Powertrain Control Module	195	HV control ECU internal error	•HV control ECU	○	○	•HV system
P0A1D (05-520)	Hybrid Powertrain Control Module	196	HV control ECU internal error	•HV control ECU	○	○	•HV system
P0A1D (05-515)	Hybrid Powertrain Control Module	197	HV control ECU internal error	•HV control ECU	○	○	•HV system
P0A1D (05-514)	Hybrid Powertrain Control Module	198	HV control ECU internal error	•HV control ECU	○	○	•HV system
P0A1D (05-514)	Hybrid Powertrain Control Module	199	HV control ECU internal error	•HV control ECU	○	○	•HV system
P0A1D (05-515)	Hybrid Powertrain Control Module	200	HV control ECU internal error	•HV control ECU	○	○	•HV system

DTC No. (See Page)	Detection Item	INF Code	Detection Condition	Trouble Area	MIL *1	Master Warning Lamp *2	Warning *3
P0A1D (05-522)	Hybrid Powertrain Control Module	390	Charge control malfunction	• HV control ECU	○	○	• HV system
P0A1D (05-516)	Hybrid Powertrain Control Module	392	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05-523)	Hybrid Powertrain Control Module	393	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05-513)	Hybrid Powertrain Control Module	511	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05-513)	Hybrid Powertrain Control Module	512	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05-510)	Hybrid Powertrain Control Module	564	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05-520)	Hybrid Powertrain Control Module	565	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05-516)	Hybrid Powertrain Control Module	567	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05-524)	Hybrid Powertrain Control Module	568	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05-524)	Hybrid Powertrain Control Module	569	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05-500)	Hybrid Powertrain Control Module	570	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05-526)	Hybrid Powertrain Control Module	615	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1F (05-527)	Battery Energy Control Module	123	Abnormal signal input from battery ECU (ROMRAM malfunction)	• HV battery system • Battery ECU	○	○	• HV system
P0A1F (05-528)	Battery Energy Control Module	129	HV battery voltage circuit malfunction	• HV battery voltage circuit • Service plug grip • High voltage fuse • Battery plug • Battery ECU	○	○	• HV system
P0A1F (05-532)	Battery Energy Control Module	593	IG2 signal circuit of battery ECU malfunction	• Wire harness or connector • Battery ECU	○	○	• HV system
P0A2B (05-535)	Drive Motor "A" Temperature Sensor Circuit Range/ Performance	248	Motor temperature sensor No. 1 malfunction	• Hybrid vehicle motor	X	○	• HV system
P0A2B (05-535)	Drive Motor "A" Temperature Sensor Circuit Range/ Performance	250	Motor temperature sensor No. 1 performance problem	• Hybrid vehicle motor	X	○	• HV system
P0A2C (05-536)	Drive Motor "A" Temperature Sensor Circuit Low	247	GND short in motor temperature sensor No. 1 circuit	• Wire harness or connector • Hybrid vehicle motor • HV control ECU	X	○	• HV system
P0A2D (05-536)	Drive Motor "A" Temperature Sensor Circuit High	249	Open or +B short in motor temperature sensor No. 1 circuit	• Wire harness or connector • Hybrid vehicle motor • HV control ECU	X	○	• HV system
P0A37 (05-542)	Generator Temperature Sensor Circuit Range/Performance	258	Motor temperature sensor No. 2 malfunction	• Hybrid vehicle motor	X	○	• HV system
P0A37 (05-543)	Generator Temperature Sensor Circuit Range/Performance	260	Motor temperature sensor No. 2 performance problem	• Hybrid vehicle motor • Transaxle fluid leakage • HV transaxle assembly	X	○	• HV system

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DTC No. (See Page)	Detection Item	INF Code	Detection Condition	Trouble Area	MIL *1	Master Warning Lamp *2	Warning *3
P0A38 (05-544)	Generator Temperature Sensor Circuit Low	257	GND short in motor temperature sensor No. 2 circuit	<ul style="list-style-type: none"> • Wire harness or connector • Hybrid vehicle motor • HV control ECU 	X	○	• HV system
P0A39 (05-544)	Generator Temperature Sensor Circuit High	259	Open or +B short in motor temperature sensor No. 2 circuit	<ul style="list-style-type: none"> • Wire harness or connector • Hybrid vehicle motor • HV control ECU 	X	○	• HV system
P0A3F (05-549)	Drive Motor "A" Position Sensor Circuit	243	Interphase short in motor resolver circuit	<ul style="list-style-type: none"> • Wire harness or connector • Hybrid vehicle motor • HV control ECU 	○	○	• HV system
P0A40 (05-549)	Drive Motor "A" Position Sensor Circuit Range/Performance	500	Motor resolver output is out of normal range	<ul style="list-style-type: none"> • Wire harness or connector • Hybrid vehicle motor • HV control ECU 	○	○	• HV system
P0A41 (05-549)	Drive Motor "A" Position Sensor Circuit Low	245	Open or short in motor resolver circuit	<ul style="list-style-type: none"> • Wire harness or connector • Hybrid vehicle motor • HV control ECU 	○	○	• HV system
P0A4B (05-554)	Generator Position Sensor Circuit	253	Interphase short in generator resolver circuit	<ul style="list-style-type: none"> • Wire harness or connector • Hybrid vehicle generator • HV control ECU 	○	○	• HV system
P0A4C (05-554)	Generator Position Sensor Circuit Range/Performance	513	Generator resolver output is out of normal range	<ul style="list-style-type: none"> • Wire harness or connector • Hybrid vehicle generator • HV control ECU 	○	○	• HV system
P0A4D (05-554)	Generator Position Sensor Circuit Low	255	Open or short in generator resolver circuit	<ul style="list-style-type: none"> • Wire harness or connector • Hybrid vehicle generator • HV control ECU 	○	○	• HV system
P0A51 (05-558)	Drive Motor "A" Current Sensor Circuit	174	HV control ECU internal error	• HV control ECU	X	○	• HV system
P0A60 (05-559)	Drive Motor "A" Phase V Current	288	Phase V current sub sensor of motor inverter current sensor malfunction	<ul style="list-style-type: none"> • Wire harness or connector • w/ converter inverter assembly 	○	○	• HV system
P0A60 (05-559)	Drive Motor "A" Phase V Current	289	Open in phase V current sub sensor circuit of motor inverter current sensor	<ul style="list-style-type: none"> • Wire harness or connector • w/ converter inverter assembly 	○	○	• HV system
P0A60 (05-559)	Drive Motor "A" Phase V Current	290	Phase V current main sensor of motor inverter current sensor malfunction	<ul style="list-style-type: none"> • Wire harness or connector • w/ converter inverter assembly 	○	○	• HV system
P0A60 (05-559)	Drive Motor "A" Phase V Current	292	Open in phase V current main sensor circuit of motor inverter current sensor	<ul style="list-style-type: none"> • Wire harness or connector • w/ converter inverter assembly 	○	○	• HV system
P0A60 (05-559)	Drive Motor "A" Phase V Current	294	Phase V current main and sub sensors of motor inverter current sensor performance problem	<ul style="list-style-type: none"> • Wire harness or connector • w/ converter inverter assembly 	○	○	• HV system
P0A60 (05-559)	Drive Motor "A" Phase V Current	501	Phase V current main and sub sensors of motor inverter current sensor offset malfunction	<ul style="list-style-type: none"> • Wire harness or connector • w/ converter inverter assembly 	○	○	• HV system
P0A63 (05-559)	Drive Motor "A" Phase W Current	296	Phase W current sub sensor of motor inverter current sensor malfunction	<ul style="list-style-type: none"> • Wire harness or connector • w/ converter inverter assembly 	○	○	• HV system
P0A63 (05-559)	Drive Motor "A" Phase W Current	297	Open in phase W current sub sensor circuit of motor inverter current sensor	<ul style="list-style-type: none"> • Wire harness or connector • w/ converter inverter assembly 	○	○	• HV system

DTC No. (See Page)	Detection Item	INF Code	Detection Condition	Trouble Area	MIL *1	Master Warning Lamp *2	Warning *3
P0A63 (05-559)	Drive Motor "A" Phase W Current	298	Phase W current main sensor of motor inverter current sensor malfunction	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system
P0A63 (05-559)	Drive Motor "A" Phase W Current	300	Open in phase W current main sensor circuit of motor inverter current sensor	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system
P0A63 (05-559)	Drive Motor "A" Phase W Current	302	Phase W current main and sub sensors of motor inverter current sensor performance problem	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system
P0A63 (05-559)	Drive Motor "A" Phase W Current	502	Phase W current main and sub sensors of motor inverter current sensor offset malfunction	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system
P0A72 (05-564)	Generator Phase V Current	326	Phase V current sub sensor of generator inverter current sensor malfunction	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system
P0A72 (05-564)	Generator Phase V Current	327	Open in phase V current sub sensor circuit of generator inverter current sensor	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system
P0A72 (05-564)	Generator Phase V Current	328	Phase V current main sensor of generator inverter current sensor malfunction	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system
P0A72 (05-564)	Generator Phase V Current	330	Open in phase V current main sensor circuit of generator inverter current sensor	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system
P0A72 (05-564)	Generator Phase V Current	333	Phase V current main and sub sensors of generator inverter current sensor performance problem	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system
P0A72 (05-564)	Generator Phase V Current	515	Phase V current main and sub sensors of generator inverter current sensor offset malfunction	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system
P0A75 (05-564)	Generator Phase W Current	334	Phase W current sub sensor of generator inverter current sensor malfunction	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system
P0A75 (05-564)	Generator Phase W Current	335	Open in phase W current sub sensor circuit of generator inverter current sensor	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system
P0A75 (05-564)	Generator Phase W Current	336	Phase W current main sensor of generator inverter current sensor malfunction	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system
P0A75 (05-564)	Generator Phase W Current	338	Open in phase W current main sensor circuit of generator inverter current sensor	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system
P0A75 (05-564)	Generator Phase W Current	341	Phase W current main and sub sensors of generator inverter current sensor performance problem	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system
P0A75 (05-564)	Generator Phase W Current	516	Phase W current main and sub sensors of generator inverter current sensor offset malfunction	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system
P0A78 (05-569)	Drive Motor "A" Inverter Performance	266	Open or GND short in inverter voltage (VH) signal circuit	• Wire harness or connector • w/ converter inverter assembly • HV control ECU	○	○	• HV system

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DTC No. (See Page)	Detection Item	INF Code	Detection Condition	Trouble Area	MIL *1	Master Warning Lamp *2	Warning *3
P0A78 (05-569)	Drive Motor "A" In- verter Perfor- mance	267	+B short in inverter voltage (VH) signal circuit	<ul style="list-style-type: none"> • Wire harness or connector • w/ converter inverter assembly • HV control ECU 	○	○	• HV system
P0A78 (05-578)	Drive Motor "A" In- verter Perfor- mance	272	Abnormality in motor PWM circuit	<ul style="list-style-type: none"> • Wire harness or connector • w/ converter inverter assembly 	○	○	• HV system
P0A78 (05-581)	Drive Motor "A" In- verter Perfor- mance	278	+B short in motor inverter over-voltage (OVH) signal circuit	<ul style="list-style-type: none"> • Wire harness or connector • w/ converter inverter assembly 	○	○	• HV system
P0A78 (05-584)	Drive Motor "A" In- verter Perfor- mance	279	Motor inverter over-voltage (OVH) signal detection (over-voltage by inverter assembly malfunction)	<ul style="list-style-type: none"> • Wire harness or connector • HV transaxle assembly • Hybrid vehicle motor • Hybrid vehicle generator • HV control ECU • w/ converter inverter assembly 	○	○	• HV system
P0A78 (05-581)	Drive Motor "A" In- verter Perfor- mance	280	Open or GND short in motor inverter over-voltage (OVH) signal circuit	<ul style="list-style-type: none"> • Wire harness or connector • w/ converter inverter assembly 	○	○	• HV system
P0A78 (05-593)	Drive Motor "A" In- verter Perfor- mance	282	Motor inverter over voltage (OVH) signal detection (cir- cuit malfunction)	<ul style="list-style-type: none"> • Wire harness or connector • w/ converter inverter assembly 	○	○	• HV system
P0A78 (05-597)	Drive Motor "A" In- verter Perfor- mance	283	+B short in motor inverter fail (MFIV) signal circuit	<ul style="list-style-type: none"> • Wire harness or connector • w/ converter inverter assembly 	○	○	• HV system
P0A78 (05-600)	Drive Motor "A" In- verter Perfor- mance	284	Motor inverter fail (MFIV) signal detection (inverter overheating)	<ul style="list-style-type: none"> • Wire harness or connector • Inverter cooling system • Water w/ motor & bracket pump assembly • Cooling fan motor • Cooling fan motor No. 2 • HV transaxle assembly • Hybrid vehicle motor • HV control ECU • w/ converter inverter assembly 	○	○	• HV system
P0A78 (05-597)	Drive Motor "A" In- verter Perfor- mance	285	Open or GND short in motor inverter fail (MFIV) signal circuit	<ul style="list-style-type: none"> • Wire harness or connector • w/ converter inverter assembly 	○	○	• HV system
P0A78 (05-608)	Drive Motor "A" In- verter Perfor- mance	286	Motor inverter fail (MFIV) signal detection (circuit mal- function)	<ul style="list-style-type: none"> • Wire harness or connector • w/ converter inverter assembly 	○	○	• HV system
P0A78 (05-611)	Drive Motor "A" In- verter Perfor- mance	287	Motor inverter fail (MFIV) signal detection (over cur- rent by inverter assembly malfunction)	<ul style="list-style-type: none"> • Wire harness or connector • HV transaxle assembly • Hybrid vehicle motor • HV control ECU • w/ converter inverter assembly 	○	○	• HV system
P0A78 (05-618)	Drive Motor "A" In- verter Perfor- mance	304	Open or +B short in motor gate shutdown (MSDN) sig- nal circuit	<ul style="list-style-type: none"> • Wire harness or connector • w/ converter inverter assembly 	○	○	• HV system
P0A78 (05-618)	Drive Motor "A" In- verter Perfor- mance	305	GND short in motor gate shutdown (MSDN) signal circuit	<ul style="list-style-type: none"> • Wire harness or connector • w/ converter inverter assembly 	○	○	• HV system
P0A78 (05-621)	Drive Motor "A" In- verter Perfor- mance	306	Failure in monitoring MG2 torque performance	<ul style="list-style-type: none"> • Hybrid vehicle motor • w/ converter inverter assembly 	○	○	• HV system
P0A78 (05-624)	Drive Motor "A" In- verter Perfor- mance	308	Collision signal input from airbag ECU or circuit break- er sensor No. 1	<ul style="list-style-type: none"> • Supplemental restraint system • Circuit breaker sensor No. 1 	○	○	• HV system

DTC No. (See Page)	Detection Item	INF Code	Detection Condition	Trouble Area	MIL *1	Master Warning Lamp *2	Warning *3
P0A78 (05-584)	Drive Motor "A" In- verter Perfor- mance	503	Motor inverter over-voltage (OVH) signal detection (over-voltage by HV control ECU malfunction)	<ul style="list-style-type: none"> • Wire harness or connector • HV transaxle assembly • Hybrid vehicle motor • Hybrid vehicle generator • HV control ECU • w/ converter inverter assembly 	○	○	• HV system
P0A78 (05-584)	Drive Motor "A" In- verter Perfor- mance	504	Motor inverter over-voltage (OVH) signal detection (over-voltage by HV trans- axle assembly malfunction)	<ul style="list-style-type: none"> • Wire harness or connector • HV transaxle assembly • Hybrid vehicle motor • Hybrid vehicle generator • HV control ECU • w/ converter inverter assembly 	○	○	• HV system
P0A78 (05-611)	Drive Motor "A" In- verter Perfor- mance	505	Motor inverter fail (MFIV) signal detection (over cur- rent by HV control ECU malfunction)	<ul style="list-style-type: none"> • Wire harness or connector • HV transaxle assembly • Hybrid vehicle motor • HV control ECU • w/ converter inverter assembly 	○	○	• HV system
P0A78 (05-611)	Drive Motor "A" In- verter Perfor- mance	506	Motor inverter fail (MFIV) signal detection (over cur- rent by HV transaxle as- sembly malfunction)	<ul style="list-style-type: none"> • Wire harness or connector • HV transaxle assembly • Hybrid vehicle motor • HV control ECU • w/ converter inverter assembly 	○	○	• HV system
P0A78 (05-618)	Drive Motor "A" In- verter Perfor- mance	507	Open in motor gate shut- down (MSDN) signal circuit	<ul style="list-style-type: none"> • Wire harness or connector • w/ converter inverter assembly 	○	○	• HV system
P0A78 (05-625)	Drive Motor "A" In- verter Perfor- mance	508	Motor gate shutdown (MSDN) signal malfunction	<ul style="list-style-type: none"> • Wire harness or connector • HV control ECU 	○	○	• HV system
P0A78 (05-628)	Drive Motor "A" In- verter Perfor- mance	510	Motor inverter gate malfunc- tion	<ul style="list-style-type: none"> • Wire harness or connector • w/ converter inverter assembly 	○	○	• HV system
P0A78 (05-630)	Drive Motor "A" In- verter Perfor- mance	523	Inverter voltage (VH) sensor offset malfunction	<ul style="list-style-type: none"> • System main relay • w/ converter inverter assembly 	○	○	• HV system
P0A78 (05-632)	Drive Motor "A" In- verter Perfor- mance	586	Inverter voltage (VH) sensor performance problem	<ul style="list-style-type: none"> • Wire harness or connector • w/ converter inverter assembly 	○	○	• HV system
P0A7A (05-635)	Generator Inverter Performance	309	Abnormality in generator PWM circuit	<ul style="list-style-type: none"> • Wire harness or connector • w/ converter inverter assembly 	○	○	• HV system
P0A7A (05-638)	Generator Inverter Performance	321	+B short in generator invert- er fail (GFIV) signal circuit	<ul style="list-style-type: none"> • Wire harness or connector • w/ converter inverter assembly 	○	○	• HV system
P0A7A (05-641)	Generator Inverter Performance	322	Generator inverter fail (GFIV) signal detection (in- verter overheating)	<ul style="list-style-type: none"> • Wire harness or connector • Inverter cooling system • Water w/ motor & bracket pump assembly • Cooling fan motor • Cooling fan motor No. 2 • HV transaxle assembly • Hybrid vehicle generator • HV control ECU • w/ converter inverter assembly 	○	○	• HV system
P0A7A (05-638)	Generator Inverter Performance	323	Open or GND short in gen- erator inverter fail (GFIV) signal circuit	<ul style="list-style-type: none"> • Wire harness or connector • w/ converter inverter assembly 	○	○	• HV system
P0A7A (05-649)	Generator Inverter Performance	324	Generator inverter fail (GFIV) signal detection (cir- cuit malfunction)	<ul style="list-style-type: none"> • Wire harness or connector • w/ converter inverter assembly 	○	○	• HV system

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DTC No. (See Page)	Detection Item	INF Code	Detection Condition	Trouble Area	MIL *1	Master Warning Lamp *2	Warning *3
P0A7A (05-652)	Generator Inverter Performance	325	Generator inverter fail (GFIV) signal detection (over current by inverter as- sembly malfunction)	<ul style="list-style-type: none"> • Wire harness or connector • HV transaxle assembly • Hybrid vehicle generator • HV control ECU • w/ converter inverter assembly 	○	○	• HV system
P0A7A (05-659)	Generator Inverter Performance	342	Open or +B short in genera- tor gate shutdown (GSDN) signal circuit	<ul style="list-style-type: none"> • Wire harness or connector • w/ converter inverter assembly 	○	○	• HV system
P0A7A (05-659)	Generator Inverter Performance	343	GND short in generator gate shutdown (GSDN) signal circuit	<ul style="list-style-type: none"> • Wire harness or connector • w/ converter inverter assembly 	○	○	• HV system
P0A7A (05-662)	Generator Inverter Performance	344	Failure in monitoring MG1 torque performance	<ul style="list-style-type: none"> • Hybrid vehicle generator • w/ converter inverter assembly 	○	○	• HV system
P0A7A (05-652)	Generator Inverter Performance	517	Generator inverter fail (GFIV) signal detection (over current by HV control ECU malfunction)	<ul style="list-style-type: none"> • Wire harness or connector • HV transaxle assembly • Hybrid vehicle generator • HV control ECU • w/ converter inverter assembly 	○	○	• HV system
P0A7A (05-652)	Generator Inverter Performance	518	Generator inverter fail (GFIV) signal detection (over current by HV trans- axle assembly malfunction)	<ul style="list-style-type: none"> • Wire harness or connector • HV transaxle assembly • Hybrid vehicle generator • HV control ECU • w/ converter inverter assembly 	○	○	• HV system
P0A7A (05-659)	Generator Inverter Performance	519	Open in generator gate shutdown (GSDN) signal circuit	<ul style="list-style-type: none"> • Wire harness or connector • w/ converter inverter assembly 	○	○	• HV system
P0A7A (05-665)	Generator Inverter Performance	520	Generator gate shutdown (GSDN) signal malfunction	<ul style="list-style-type: none"> • Wire harness or connector • HV control ECU 	○	○	• HV system
P0A7A (05-668)	Generator Inverter Performance	522	Generator inverter gate mal- function	<ul style="list-style-type: none"> • Wire harness or connector • w/ converter inverter assembly 	○	○	• HV system
P0A90 (05-670)	Drive Motor "A" Performance	239	HV transaxle input malfunc- tion (shaft damaged)	<ul style="list-style-type: none"> • Engine assembly • HV transaxle assembly (shaft or gear) • Transmission input damper • Wire harness or connector • HV control ECU 	○	○	• HV system
P0A90 (05-676)	Drive Motor "A" Performance	240	Generator locked	<ul style="list-style-type: none"> • Hybrid vehicle generator 	○	○	• HV system
P0A90 (05-670)	Drive Motor "A" Performance	241	HV transaxle input malfunc- tion (torque limiter slipping)	<ul style="list-style-type: none"> • Engine assembly • HV transaxle assembly (shaft or gear) • Transmission input damper • Wire harness or connector • HV control ECU 	○	○	• HV system
P0A90 (05-677)	Drive Motor "A" Performance	242	Planetary gear locked	<ul style="list-style-type: none"> • HV transaxle assembly 	○	○	• HV system
P0A90 (05-678)	Drive Motor "A" Performance	251	MG2 magnetic force deteri- oration or same phase short circuit	<ul style="list-style-type: none"> • Hybrid vehicle motor 	○	○	• HV system
P0A90 (05-680)	Drive Motor "A" Performance	509	MG2 system malfunction	<ul style="list-style-type: none"> • Hybrid vehicle motor • w/ converter inverter assembly 	○	○	• HV system
P0A90 (05-670)	Drive Motor "A" Performance	602	HV transaxle output mal- function	<ul style="list-style-type: none"> • Engine assembly • HV transaxle assembly (shaft or gear) • Transmission input damper • Wire harness or connector • HV control ECU 	○	○	• HV system

DTC No. (See Page)	Detection Item	INF Code	Detection Condition	Trouble Area	MIL *1	Master Warning Lamp *2	Warning *3
P0A90 (05-683)	Drive Motor "A" Performance	604	MG2 power balance mal- function (small power bal- ance)	• Battery current sensor • Hybrid vehicle motor	○	○	• HV system
P0A90 (05-683)	Drive Motor "A" Performance	605	MG2 power balance mal- function (large power bal- ance)	• Battery current sensor • Hybrid vehicle motor	○	○	• HV system
P0A92 (05-686)	Hybrid Generator Performance	261	MG1 magnetic force deteri- oration or same phase short circuit	• Hybrid vehicle generator	○	○	• HV system
P0A92 (05-688)	Hybrid Generator Performance	521	MG1 system malfunction	• Hybrid vehicle generator • w/ converter inverter assembly	○	○	• HV system
P0A92 (05-691)	Hybrid Generator Performance	606	MG1 power balance mal- function (small power bal- ance)	• Battery current sensor • Hybrid vehicle generator	○	○	• HV system
P0A92 (05-691)	Hybrid Generator Performance	607	MG1 power balance mal- function (large power bal- ance)	• Battery current sensor • Hybrid vehicle generator	○	○	• HV system
P0A93 (05-694)	Inverter Cooling System Perfor- mance	346	Inverter cooling system mal- function (water pump sys- tem malfunction)	• Wire harness or connector • Inverter cooling system • Water w/ motor & bracket pump assembly • Cooling fan motor • Cooling fan motor No. 2 • w/ converter inverter assembly	○	○	• HV system
P0A93 (05-694)	Inverter Cooling System Perfor- mance	347	Inverter cooling system mal- function (electric cooling fan system malfunction)	• Wire harness or connector • Inverter cooling system • Water w/ motor & bracket pump assembly • Cooling fan motor • Cooling fan motor No. 2 • w/ converter inverter assembly	○	○	• HV system
P0A94 (05-698)	DC/DC Converter Performance	442	Abnormal voltage execution value	• w/ converter inverter assembly	○	○	• HV system
P0A94 (05-700)	DC/DC Converter Performance	545	Open or GND short in boost converter over-voltage (OVL) signal circuit	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system
P0A94 (05-700)	DC/DC Converter Performance	546	+B short in boost converter over-voltage (OVL) signal circuit	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system
P0A94 (05-703)	DC/DC Converter Performance	547	Boost converter over volt- age (OVL) signal detection (over voltage by HV control ECU malfunction)	• Wire harness or connector • HV transaxle assembly • Hybrid vehicle motor • Hybrid vehicle generator • HV control ECU • w/ converter inverter assembly	○	○	• HV system
P0A94 (05-703)	DC/DC Converter Performance	548	Boost converter over volt- age (OVL) signal detection (over voltage by inverter as- sembly malfunction)	• Wire harness or connector • HV transaxle assembly • Hybrid vehicle motor • Hybrid vehicle generator • HV control ECU • w/ converter inverter assembly	○	○	• HV system
P0A94 (05-703)	DC/DC Converter Performance	549	Boost converter over volt- age (OVL) signal detection (over voltage by HV trans- axle assembly malfunction)	• Wire harness or connector • HV transaxle assembly • Hybrid vehicle motor • Hybrid vehicle generator • HV control ECU • w/ converter inverter assembly	○	○	• HV system

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DTC No. (See Page)	Detection Item	INF Code	Detection Condition	Trouble Area	MIL *1	Master Warning Lamp *2	Warning *3
P0A94 (05-711)	DC/DC Converter Performance	550	Boost converter over-voltage (OVL) signal detection (circuit malfunction)	<ul style="list-style-type: none"> • Wire harness or connector • w/ converter inverter assembly 	○	○	• HV system
P0A94 (05-714)	DC/DC Converter Performance	551	Open or GND short in boost converter fail (FCV) signal circuit	<ul style="list-style-type: none"> • Wire harness or connector • w/ converter inverter assembly 	○	○	• HV system
P0A94 (05-714)	DC/DC Converter Performance	552	+B short in boost converter fail (FCV) signal circuit	<ul style="list-style-type: none"> • Wire harness or connector • w/ converter inverter assembly 	○	○	• HV system
P0A94 (05-717)	DC/DC Converter Performance	553	Boost converter fail (FCV) signal detection (boost converter overheating)	<ul style="list-style-type: none"> • Wire harness or connector • Inverter cooling system • Water w/ motor & bracket pump assembly • Cooling fan motor • Cooling fan motor No. 2 • HV transaxle assembly • Hybrid vehicle motor • Hybrid vehicle generator • HV control ECU • w/ converter inverter assembly 	○	○	• HV system
P0A94 (05-726)	DC/DC Converter Performance	554	Boost converter fail (FCV) signal detection (over current by HV control ECU malfunction)	<ul style="list-style-type: none"> • Wire harness or connector • HV transaxle assembly • Hybrid vehicle motor • Hybrid vehicle generator • HV control ECU • w/ converter inverter assembly 	○	○	• HV system
P0A94 (05-726)	DC/DC Converter Performance	555	Boost converter fail (FCV) signal detection (over current by inverter assembly malfunction)	<ul style="list-style-type: none"> • Wire harness or connector • HV transaxle assembly • Hybrid vehicle motor • Hybrid vehicle generator • HV control ECU • w/ converter inverter assembly 	○	○	• HV system
P0A94 (05-726)	DC/DC Converter Performance	556	Boost converter fail (FCV) signal detection (over current by HV transaxle assembly malfunction)	<ul style="list-style-type: none"> • Wire harness or connector • HV transaxle assembly • Hybrid vehicle motor • Hybrid vehicle generator • HV control ECU • w/ converter inverter assembly 	○	○	• HV system
P0A94 (05-734)	DC/DC Converter Performance	557	Boost converter fail (FCV) signal detection (circuit malfunction)	<ul style="list-style-type: none"> • Wire harness or connector • w/ converter inverter assembly 	○	○	• HV system
P0A94 (05-737)	DC/DC Converter Performance	558	GND short in boost converter gate shutdown (CSDN) signal circuit	<ul style="list-style-type: none"> • Wire harness or connector • w/ converter inverter assembly 	○	○	• HV system
P0A94 (05-737)	DC/DC Converter Performance	559	Open or +B short in boost converter gate shutdown (CSDN) signal circuit	<ul style="list-style-type: none"> • Wire harness or connector • w/ converter inverter assembly 	○	○	• HV system
P0A94 (05-737)	DC/DC Converter Performance	560	Open in boost converter gate shutdown (CSDN) signal circuit	<ul style="list-style-type: none"> • Wire harness or connector • w/ converter inverter assembly 	○	○	• HV system
P0A94 (05-740)	DC/DC Converter Performance	561	Abnormal boost converter gate shutdown (CSDN) signal	<ul style="list-style-type: none"> • Wire harness or connector • HV control ECU 	○	○	• HV system
P0A94 (05-743)	DC/DC Converter Performance	583	Open or GND short in boost converter temperature sensor circuit	<ul style="list-style-type: none"> • Wire harness or connector • w/ converter inverter assembly • HV control ECU 	○	○	• HV system
P0A94 (05-743)	DC/DC Converter Performance	584	+B short in boost converter temperature sensor circuit	<ul style="list-style-type: none"> • Wire harness or connector • w/ converter inverter assembly • HV control ECU 	○	○	• HV system

DTC No. (See Page)	Detection Item	INF Code	Detection Condition	Trouble Area	MIL *1	Master Warning Lamp *2	Warning *3
P0A94 (05-750)	DC/DC Converter Performance	585	Boost converter voltage (VL) sensor performance problem	<ul style="list-style-type: none"> • Wire harness or connector • w/ converter inverter assembly 	○	○	• HV system
P0A94 (05-753)	DC/DC Converter Performance	587	Difference between voltages from HV battery voltage (VB) sensor and boost con- verter voltage (VL) sensor is large	<ul style="list-style-type: none"> • Wire harness or connector • w/ converter inverter assembly • Service plug grip • High voltage fuse • Battery ECU 	○	○	• HV system
P0A94 (05-758)	DC/DC Converter Performance	588	Abnormality in boost con- verter PWM circuit	<ul style="list-style-type: none"> • Wire harness or connector • w/ converter inverter assembly 	○	○	• HV system
P0A94 (05-761)	DC/DC Converter Performance	589	Open or GND short in boost converter voltage (VL) sig- nal circuit	<ul style="list-style-type: none"> • Wire harness or connector • w/ converter inverter assembly • HV control ECU 	○	○	• HV system
P0A94 (05-761)	DC/DC Converter Performance	590	+B short in boost converter voltage (VL) signal circuit	<ul style="list-style-type: none"> • Wire harness or connector • w/ converter inverter assembly • HV control ECU 	○	○	• HV system
P0AA1 (05-767)	Hybrid Battery Positive Contactor Circuit Stuck Closed	224	Open or +B short in system main relay No. 1 circuit	<ul style="list-style-type: none"> • Wire harness or connector • System main relay No. 1 • HV control ECU 	X	○	• HV system
P0AA1 (05-770)	Hybrid Battery Positive Contactor Circuit Stuck Closed	226	Open or +B short in system main relay No. 2 circuit	<ul style="list-style-type: none"> • Wire harness or connector • System main relay No. 2 • HV control ECU 	X	○	• HV system
P0AA1 (05-772)	Hybrid Battery Positive Contactor Circuit Stuck Closed	231	System main relay terminal of HV battery positive side stuck closed	<ul style="list-style-type: none"> • System main relay No. 1 • System main relay No. 2 	X	○	• HV system
P0AA1 (05-773)	Hybrid Battery Positive Contactor Circuit Stuck Closed	233	System main relay terminals of HV battery positive and negative sides stuck closed	<ul style="list-style-type: none"> • System main relay No. 1 • System main relay No. 2 • System main relay No. 3 	X	○	• HV system
P0AA2 (05-767)	Hybrid Battery Positive Contactor Circuit Stuck Open	225	GND short in system main relay No. 1 circuit	<ul style="list-style-type: none"> • Wire harness or connector • System main relay No. 1 • HV control ECU 	X	○	• HV system
P0AA2 (05-770)	Hybrid Battery Positive Contactor Circuit Stuck Open	227	GND short in system main relay No. 2 circuit	<ul style="list-style-type: none"> • Wire harness or connector • System main relay No. 2 • HV control ECU 	X	○	• HV system
P0AA4 (05-774)	Hybrid Battery Negative Contac- tor Circuit Stuck Closed	228	Open or +B short in system main relay No. 3 circuit	<ul style="list-style-type: none"> • Wire harness or connector • System main relay No. 3 • HV control ECU 	○	○	• HV system
P0AA4 (05-777)	Hybrid Battery Negative Contac- tor Circuit Stuck Closed	232	System main relay terminal of HV battery negative side stuck closed	<ul style="list-style-type: none"> • System main relay No. 3 	○	○	• HV system
P0AA5 (05-774)	Hybrid Battery Negative Contac- tor Circuit Stuck Open	229	GND short in system main relay No. 3 circuit	<ul style="list-style-type: none"> • Wire harness or connector • System main relay No. 3 • HV control ECU 	X	○	• HV system
P2120 (05-778)	Throttle/Pedal Position Sensor/ Switch "D" Circuit	111	Accelerator pedal position main sensor value does not change while its sub sensor value changes	<ul style="list-style-type: none"> • Accelerator pedal rod assembly 	X	○	• HV system

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DTC No. (See Page)	Detection Item	INF Code	Detection Condition	Trouble Area	MIL *1	Master Warning Lamp *2	Warning *3
P2121 (05-778)	Throttle/Pedal Position Sensor/ Switch "D" Circuit Range/Perfor- mance	106	Internal error of accelerator pedal position main sensor	• Accelerator pedal rod assembly	X	○	• HV system
P2121 (05-778)	Throttle/Pedal Position Sensor/ Switch "D" Circuit Range/Perfor- mance	114	Accelerator pedal not smoothly returning to its original position	• Accelerator pedal rod assembly	X	○	• HV system
P2122 (05-779)	Throttle/Pedal Position Sensor/ Switch "D" Circuit Low Input	104	Open or GND short in ac- celerator pedal position main sensor circuit	• Wire harness or connector • Accelerator pedal rod assembly • HV control ECU	X	○	• HV system
P2123 (05-779)	Throttle/Pedal Position Sensor/ Switch "D" Circuit High Input	105	+B short in accelerator ped- al position main sensor cir- cuit	• Wire harness or connector • Accelerator pedal rod assembly • HV control ECU	X	○	• HV system
P2125 (05-778)	Throttle/Pedal Position Sensor/ Switch "E" Circuit	112	Accelerator pedal position sub sensor value does not change while its main sen- sor value changes	• Accelerator pedal rod assembly	X	○	• HV system
P2126 (05-778)	Throttle/Pedal Position Sensor/ Switch "E" Circuit Range/Perfor- mance	109	Internal error of accelerator pedal position sub sensor	• Accelerator pedal rod assembly	X	○	• HV system
P2127 (05-779)	Throttle/Pedal Position Sensor/ Switch "E" Circuit Low Input	107	Open or GND short in ac- celerator pedal position sub sensor circuit	• Wire harness or connector • Accelerator pedal rod assembly • HV control ECU	X	○	• HV system
P2128 (05-779)	Throttle/Pedal Position Sensor/ Switch "E" Circuit High Input	108	+B short in accelerator ped- al position sub sensor circuit	• Wire harness or connector • Accelerator pedal rod assembly • HV control ECU	X	○	• HV system
P2138 (05-778)	Throttle/Pedal Position Sensor/ Switch "D"/"E" Voltage Correlation	110	Difference between main sensor value and sub sen- sor value is large	• Accelerator pedal rod assembly	X	○	• HV system
P3000 (05-784)	Battery Control System Malfunc- tion	123	Abnormal signal input from battery ECU (HV battery system malfunction)	• HV battery system • Battery ECU	○	○	• HV system
P3000 (05-784)	Battery Control System Malfunc- tion	125	Abnormal signal input from battery ECU (High voltage fuse blown out)	• HV battery system • Battery ECU	○	○	• HV system
P3000 (05-785)	Battery Control System Malfunc- tion	388	Abnormal signal input from battery ECU (discharge in- hibition control malfunction)	• HV control system • Fuel shortage • HV battery assembly	X	○	• HV battery
P3000 (05-787)	Battery Control System Malfunc- tion	389	Abnormal signal input from battery ECU (drop of high voltage)	• HV control system • HV battery assembly	X	○	• HV battery
P3000 (05-784)	Battery Control System Malfunc- tion	603	Abnormal signal input from battery ECU (HV battery cooling system malfunction)	• HV battery system • Battery ECU	○	○	• HV system

DTC No. (See Page)	Detection Item	INF Code	Detection Condition	Trouble Area	MIL *1	Master Warning Lamp *2	Warning *3
P3004 (05-788)	High Voltage Power Resource Malfunction	131	High voltage fuse has blown out, service plug grip is disconnected or limiter resistance is cut off	<ul style="list-style-type: none"> • HV battery system • System main resistor • System main relay No. 1 • System main relay No. 3 • Main battery cable • Main battery cable No. 2 • Frame wire • w/ converter inverter assembly • HV control ECU 	X	○	• HV system
P3004 (05-795)	High Voltage Power Resource Malfunction	132	Inverter voltage sensor malfunction, or limiter resistance increases	<ul style="list-style-type: none"> • HV control system • System main resistor • System main relay No. 1 • System main relay No. 3 • Main battery cable • Main battery cable No. 2 • Frame wire • w/ converter inverter assembly • HV control ECU 	X	○	• HV system
P3004 (05-801)	High Voltage Power Resource Malfunction	133	Abnormal signal input from battery ECU	<ul style="list-style-type: none"> • HV battery system • Battery ECU 	X	X	-
P3009 (05-802)	High Voltage Power Short Circuit	526	Insulation resistance of high voltage circuit and body is low	<ul style="list-style-type: none"> • Frame wire • System main relay • System main resistor • HV battery assembly • w/ motor compressor assembly • Battery ECU • HV transaxle assembly • w/ converter inverter assembly • Main battery cable • Main battery cable No. 2 • Battery plug • Frame wire No. 2 • Junction block assembly 	X	○	• HV system
P3009 (05-802)	High Voltage Power Short Circuit	611	Insulation resistance of A/C compressor motor or A/C inverter is low	<ul style="list-style-type: none"> • w/ motor compressor assembly • w/ converter inverter assembly 	X	○	• HV system
P3009 (05-802)	High Voltage Power Short Circuit	612	Insulation resistance of HV battery, battery ECU, system main relay, or system main resistor is low	<ul style="list-style-type: none"> • HV battery assembly • Battery ECU • System main relay • System main resistor • Main battery cable • Main battery cable No. 2 • Battery plug • Frame wire No. 2 • Junction block assembly 	X	○	• HV system
P3009 (05-802)	High Voltage Power Short Circuit	613	Insulation resistance of HV transaxle or motor and generator inverters is low	<ul style="list-style-type: none"> • HV transaxle assembly • w/ converter inverter assembly 	X	○	• HV system
P3009 (05-802)	High Voltage Power Short Circuit	614	Insulation resistance of motor and generator inverters, A/C inverter, system main relay, system main resistor, or frame wire is low	<ul style="list-style-type: none"> • Frame wire • System main relay • System main resistor • HV battery assembly • w/ converter inverter assembly • Main battery cable • Main battery cable No. 2 • Battery plug • Frame wire No. 2 • Junction block assembly 	X	○	• HV system

DIAGNOSTICS - HYBRID CONTROL SYSTEM

DTC No. (See Page)	Detection Item	INF Code	Detection Condition	Trouble Area	MIL *1	Master Warning Lamp *2	Warning *3
P3102 (05-820)	Transmission Control ECU Malfunction	524	BEAN communication problem of transmission control ECU	<ul style="list-style-type: none"> •Wire harness or connector •Transmission control ECU •HV control ECU •Power source control ECU 	X	○	•HV system
P3102 (05-820)	Transmission Control ECU Malfunction	525	Transmission control ECU IG OFF command malfunction	<ul style="list-style-type: none"> •Wire harness or connector •Transmission control ECU •HV control ECU •Power source control ECU 	X	○	•HV system
P3102 (05-820)	Transmission Control ECU Malfunction	581	Transmission control ECU malfunction	<ul style="list-style-type: none"> •Wire harness or connector •Transmission control ECU •HV control ECU •Power source control ECU 	X	○	•HV system
P3102 (05-820)	Transmission Control ECU Malfunction	582	P position (PPOS) signal is logically inconsistent	<ul style="list-style-type: none"> •Wire harness or connector •Transmission control ECU •HV control ECU •Power source control ECU 	X	○	•HV system
P3102 (05-820)	Transmission Control ECU Malfunction	597	GND short in P position (PPOS) signal circuit	<ul style="list-style-type: none"> •Wire harness or connector •Transmission control ECU •HV control ECU •Power source control ECU 	X	○	•HV system
P3102 (05-820)	Transmission Control ECU Malfunction	598	+B short in P position (PPOS) signal circuit	<ul style="list-style-type: none"> •Wire harness or connector •Transmission control ECU •HV control ECU •Power source control ECU 	X	○	•HV system
P3102 (05-820)	Transmission Control ECU Malfunction	599	P position (PPOS) signal malfunction (output pulse is abnormal)	<ul style="list-style-type: none"> •Wire harness or connector •Transmission control ECU •HV control ECU •Power source control ECU 	X	○	•HV system
P3107 (05-824)	Lost Communication with Airbag System Control Module	213	GND short in communication circuit between airbag ECU and HV control ECU	<ul style="list-style-type: none"> •Wire harness or connector •Airbag ECU 	X	○	•HV system
P3107 (05-824)	Lost Communication with Airbag System Control Module	214	Open or +B short in communication circuit between airbag ECU and HV control ECU	<ul style="list-style-type: none"> •Wire harness or connector •Airbag ECU 	X	○	•HV system
P3107 (05-824)	Lost Communication with Airbag System Control Module	215	Abnormal communication signals between airbag ECU and HV control ECU	<ul style="list-style-type: none"> •Wire harness or connector •Airbag ECU 	X	○	•HV system
P3108 (05-826)	Lost Communication with A/C System Control Module	535	Serial communication malfunction	<ul style="list-style-type: none"> •Wire harness or connector •w/ converter inverter assembly 	X	X	-
P3108 (05-826)	Lost Communication with A/C System Control Module	536	A/C inverter malfunction	<ul style="list-style-type: none"> •Wire harness or connector •w/ converter inverter assembly 	X	X	-
P3108 (05-828)	Lost Communication with A/C System Control Module	537	A/C amplifier malfunction	<ul style="list-style-type: none"> •A/C amplifier 	X	X	-
P3108 (05-826)	Lost Communication with A/C System Control Module	538	Open in STB signal circuit	<ul style="list-style-type: none"> •Wire harness or connector •w/ converter inverter assembly 	X	X	-

DTC No. (See Page)	Detection Item	INF Code	Detection Condition	Trouble Area	MIL *1	Master Warning Lamp *2	Warning *3
P3108 (05-829)	Lost Communication with A/C System Control Module	594	CAN communication malfunction	• CAN communication system	X	X	-
P3110 (05-830)	HV Main Relay Malfunction	223	IGCT relay is always closed	• Wire harness or connector • Integration relay (IGCT relay)	X	○	• HV system
P3110 (05-830)	HV Main Relay Malfunction	527	IG2 logical inconsistency	• Wire harness or connector • Integration relay (IG2 relay)	X	○	• HV system
P3137 (05-832)	Collision Sensor Low Input	348	GND short in circuit breaker sensor No. 1 circuit	• Wire harness or connector • Circuit breaker sensor No. 1	X	○	• HV system
P3138 (05-832)	Collision Sensor High Input	349	Open or +B short in circuit breaker sensor No. 1 circuit	• Wire harness or connector • Circuit breaker sensor No. 1	X	○	• HV system
P3140 (05-834)	HV Interlock Switch Operation	350	Operating safety devices with vehicle stopped (ILK signal is ON)	• Service plug grip installation • Inverter cover installation	X	○	• HV system
P3143 (05-835)	HV Interlock Switch Open/Short	351	Open in interlock signal circuit while vehicle is running	• Wire harness or connector • Battery plug (interlock switch No. 2) • w/ converter inverter assembly (interlock switch No. 1)	X	○	• HV system
P3211 (05-838)	Drive Motor "A" Inverter Temperature Sensor Circuit Range/Performance	276	Sudden change in motor inverter temperature sensor output	• Wire harness or connector • Inverter cooling system • Water w/ motor & bracket pump assembly • Cooling fan motor • Cooling fan motor No. 2 • w/ converter inverter assembly	X	○	• HV system
P3211 (05-838)	Drive Motor "A" Inverter Temperature Sensor Circuit Range/Performance	277	Motor inverter temperature sensor output deviation	• Wire harness or connector • Inverter cooling system • Water w/ motor & bracket pump assembly • Cooling fan motor • Cooling fan motor No. 2 • w/ converter inverter assembly	X	○	• HV system
P3212 (05-843)	Drive Motor "A" Inverter Temperature Sensor Circuit High/Low	275	Open or GND short in motor inverter temperature sensor circuit	• Wire harness or connector • w/ converter inverter assembly • HV control ECU	X	○	• HV system
P3213 (05-843)	Drive Motor "A" Inverter Temperature Sensor Circuit High	274	+B short in motor inverter temperature sensor circuit	• Wire harness or connector • w/ converter inverter assembly • HV control ECU	X	○	• HV system
P3221 (05-849)	Generator Inverter Temperature Sensor Circuit Range/Performance	314	Sudden change in generator inverter temperature sensor output	• Wire harness or connector • Inverter cooling system • Water w/ motor & bracket pump assembly • Cooling fan motor • Cooling fan motor No. 2 • w/ converter inverter assembly	X	○	• HV system
P3221 (05-849)	Generator Inverter Temperature Sensor Circuit Range/Performance	315	Generator inverter temperature sensor output deviation	• Wire harness or connector • Inverter cooling system • Water w/ motor & bracket pump assembly • Cooling fan motor • Cooling fan motor No. 2 • w/ converter inverter assembly	X	○	• HV system

DIAGNOSTICS - HYBRID CONTROL SYSTEM

DTC No. (See Page)	Detection Item	INF Code	Detection Condition	Trouble Area	MIL *1	Master Warning Lamp *2	Warning *3
P3222 (05-854)	Generator Inverter Temperature Sensor Circuit High/Low	313	Open or GND short in generator inverter temperature sensor circuit	<ul style="list-style-type: none"> • Wire harness or connector • w/ converter inverter assembly • HV control ECU 	X	○	• HV system
P3223 (05-854)	Generator Inverter Temperature Sensor Circuit High	312	+B short in generator inverter temperature sensor circuit	<ul style="list-style-type: none"> • Wire harness or connector • w/ converter inverter assembly • HV control ECU 	X	○	• HV system
P3226 (05-860)	DC/DC (Boost) Converter Temperature Sensor Malfunction	562	Sudden change in boost converter temperature sensor output	<ul style="list-style-type: none"> • Wire harness or connector • Inverter cooling system • Water w/ motor & bracket pump assembly • Cooling fan motor • Cooling fan motor No. 2 • w/ converter inverter assembly 	X	○	• HV system
P3226 (05-860)	DC/DC (Boost) Converter Temperature Sensor Malfunction	563	Boost converter temperature sensor output deviation	<ul style="list-style-type: none"> • Wire harness or connector • Inverter cooling system • Water w/ motor & bracket pump assembly • Cooling fan motor • Cooling fan motor No. 2 • w/ converter inverter assembly 	X	○	• HV system
U0100 (05-865)	Lost Communication with ECM/PCM "A"	211	CAN communication problem between ECM and HV control ECU (no signal input)	• CAN communication system	○	○	• HV system
U0100 (05-865)	Lost Communication with ECM/PCM "A"	212	CAN communication problem between ECM and HV control ECU (transmission error)	• CAN communication system	○	○	• HV system
U0100 (05-865)	Lost Communication with ECM/PCM "A"	530	CAN communication problem between ECM and HV control ECU (CAN communication system malfunction)	• CAN communication system	○	○	• HV system
U0111 (05-865)	Lost Communication with Battery Energy Control Module "A"	208	CAN communication problem between battery ECU and HV control ECU (no signal input)	• CAN communication system	○	○	• HV system
U0111 (05-865)	Lost Communication with Battery Energy Control Module "A"	531	CAN communication problem between battery ECU and HV control ECU (CAN communication system malfunction)	• CAN communication system	○	○	• HV system
U0129 (05-865)	Lost Communication with Brake System Control Module	220	CAN communication problem between skid control ECU and HV control ECU (no signal input)	• CAN communication system	X	○	• HV system
U0129 (05-865)	Lost Communication with Brake System Control Module	222	CAN communication problem between skid control ECU and HV control ECU (CAN communication system malfunction)	• CAN communication system	X	○	• HV system
U0129 (05-865)	Lost Communication with Brake System Control Module	528	CAN communication problem between skid control ECU and HV control ECU (transmission error)	• CAN communication system	X	○	• HV system

DTC No. (See Page)	Detection Item	INF Code	Detection Condition	Trouble Area	MIL *1	Master Warning Lamp *2	Warning *3
U0129 (05-865)	Lost Communication with Brake System Control Module	529	CAN communication problem between skid control ECU and HV control ECU (regenerative torque malfunction)	• CAN communication system	X	○	• HV system
U0131 (05-865)	Lost Communication with Power Steering Control Module	433	CAN communication problem between power steering ECU and HV control ECU (no signal input)	• CAN communication system	X	X	-
U0131 (05-865)	Lost Communication with Power Steering Control Module	434	CAN communication problem between power steering ECU and HV control ECU (CAN communication system malfunction)	• CAN communication system	X	X	-
U0146 (05-865)	Lost Communication with Gateway "A"	435	CAN communication problem between gateway ECU and HV control ECU (no signal input)	• CAN communication system	X	○	• HV system

*1: "○" ... MIL is illuminated, "X" ... MIL is not illuminated.

*2: "○" ... Master warning lamp is illuminated, "X" ... Master warning lamp is not illuminated.

*3: Warning on the multi-information display

*4: w/ smart entry system

*5: w/o smart entry system