DIAGNOSTIC TROUBLE CODE CHART

05IHJ–01

DTC No. (See Page)	Detection Item	INF Code	Detection Condition	Trouble Area	CHK ENG *1	Master Warning Lamp *2	Warning*3
B2799 (05–2078)*4 (05–2115)*5	Immobilizer Malfunction	539	Immobilizer malfunction	• Immobilizer system	X	X	–
B2799 (05–2078)*4 (05–2115)*5	Immobilizer Malfunction	540	Immobilizer malfunction	• Immobilizer system	X	X	–
B2799 (05–2078)*4 (05–2115)*5	Immobilizer Malfunction	541	Immobilizer malfunction	• Immobilizer system	X	X	–
B2799 (05–2078)*4 (05–2115)*5	Immobilizer Malfunction	542	Immobilizer malfunction	• Immobilizer system	X	X	–
B2799 (05–2078)*4 (05–2115)*5	Immobilizer Malfunction	543	Immobilizer malfunction	• Immobilizer system	X	X	–
B2799 (05–2078)*4 (05–2115)*5	Immobilizer Malfunction	544	Immobilizer malfunction	• Immobilizer system	X	X	–
P0336 (05–287)	Crankshaft Position Sensor "A" Circuit Range/Performance	137	Engine speed sensor deviation malfunction (CAN communication)	• Wire harness or connector • Crankshaft position sensor • Camshaft position sensor • HV control ECU	X	○	• HV system
P0338 (05–290)	Crankshaft Position Sensor "A" Circuit High Input	600	NEO signal circuit malfunction	• Wire harness or connector • HV control ECU	X	○	• HV system
P0340 (05–287)	Camshaft Position Sensor "A" Circuit	532	Engine speed sensor deviation malfunction (pulse signal)	• Wire harness or connector • Crankshaft position sensor • Camshaft position sensor • HV control ECU	X	○	• HV system
P0343 (05–290)	Camshaft Position Sensor "A" Circuit High Input	601	GO signal circuit malfunction	• Wire harness or connector • HV control ECU	X	○	• HV system
P0500 (05–2460)	Vehicle Speed Sensor "A"	352	No input of vehicle speed signal during cruise control driving	• Cruise control system	X	X	–
P0560 (05–292)	System Voltage	117	HV control ECU back–up power source circuit malfunction	• Wire harness or connector • HEV fuse	○	○	• HV system
P0571 (05–2464)	Brake Switch "A" Circuit	115	Open or short in stop lamp switch circuit	• Cruise control system	X	X	–
P0607 (05–2469)	Control Module Performance	116	When STP signal of HV control ECU is inconsistent with that of skid control ECU, with cruise control indicator ON	• Cruise control system	X	X	–
P0705 (05–295)	Transmission Range Sensor Circuit	571	Open or GND short in shift main sensor circuit	• Wire harness or connector • Selector lever • HV control ECU	X	○	• HV system
P0705 (05–295)	Transmission Range Sensor Circuit	572	+B short in shift main sensor circuit	• Wire harness or connector • Selector lever • HV control ECU	X	○	• HV system
P0705 (05–295)	Transmission Range Sensor Circuit	573	Open or GND short in shift sub sensor circuit	• Wire harness or connector • Selector lever • HV control ECU	X	○	• HV system

DTC No. (See Page)	Detection Item	INF Code	Detection Condition	Trouble Area	CHK ENG *1	Master Warning Lamp *2	Warning*3
P0705 (05–295)	Transmission Range Sensor Circuit	574	+B short in shift sub sensor circuit	• Wire harness or connector • Selector lever • HV control ECU	X	○	• HV system
P0705 (05–295)	Transmission Range Sensor Circuit	575	Open or GND short in select main sensor circuit	• Wire harness or connector • Selector lever • HV control ECU	X	○	• HV system
P0705 (05–295)	Transmission Range Sensor Circuit	576	+B short in select main sensor circuit	• Wire harness or connector • Selector lever • HV control ECU	X	○	• HV system
P0705 (05–295)	Transmission Range Sensor Circuit	577	Open or GND short in select sub sensor circuit	• Wire harness or connector • Selector lever • HV control ECU	X	○	• HV system
P0705 (05–295)	Transmission Range Sensor Circuit	578	+B short in select sub sensor circuit	• Wire harness or connector • Selector lever • HV control ECU	X	○	• HV system
P0705 (05–295)	Transmission Range Sensor Circuit	595	Difference between shift main sensor value and shift sub sensor value is large	• Wire harness or connector • Selector lever • HV control ECU	X	○	• HV system
P0705 (05–295)	Transmission Range Sensor Circuit	596	Difference between select main sensor value and select sub sensor value is large	• Wire harness or connector • Selector lever • HV control ECU	X	○	• HV system
P0851 (05–306)	Park/Neutral Switch Input Circuit Low	579	GND short in P position switch circuit	• Wire harness or connector • P position switch • HV control ECU	X	○	• HV system
P0852 (05–306)	Park/Neutral Switch Input Circuit High	580	Open or +B short in P position switch circuit	• Wire harness or connector • P position switch • HV control ECU	X	○	• HV system
P0A08 (05–309)	DC/DC Converter Status Circuit	264	DC/DC converter malfunction	• w/ converter inverter assembly	X	○	• HV system • Discharge
P0A09 (05–310)	DC/DC Converter Status Circuit Low Input	265	Open or GND short in NODD signal circuit of DC/DC converter	• Wire harness or connector • w/ converter inverter assembly	X	○	• HV system • Discharge
P0A09 (05–312)	DC/DC Converter Status Circuit Low Input	591	Open or GND short in VLO signal circuit of DC/DC converter	• Wire harness or connector • w/ converter inverter assembly	X	○	• HV system • Discharge
P0A0F (05–314)	Engine Failed to Start	204	Abnormal signal input from ECM (abnormal engine output)	• ECM • SFI system	X	○	• HV system
P0A0F (05–314)	Engine Failed to Start	205	Abnormal signal input from ECM (engine is unable to start)	• ECM • SFI system	X	○	• HV system
P0A0F (05–315)	Engine Failed to Start	238	Engine does not start even though cranking it (transaxle input malfunction [engine system])	• Engine assembly • HV transaxle assembly (shaft or gear) • Transmission input damper • Wire harness or connector • HV control ECU	X	○	• HV system
P0A0F (05–314)	Engine Failed to Start	533	Abnormal signal input from ECM (abnormal engine output by running out of fuel)	• ECM • SFI system	X	○	• HV system
P0A0F (05–314)	Engine Failed to Start	534	Abnormal signal input from ECM (engine is unable to start by running out of fuel)	• ECM • SFI system	X	○	• HV system
P0A10 (05–310)	DC/DC Converter Status Circuit High Input	263	+B short in NODD signal circuit of DC/DC converter	• Wire harness or connector • w/ converter inverter assembly	X	○	• HV system • Discharge

DTC No. (See Page)	Detection Item	INF Code	Detection Condition	Trouble Area	CHK ENG *1	Master Warning Lamp *2	Warning*3
P0A10 (05–312)	DC/DC Converter Status Circuit High Input	592	+B short in VLO signal circuit of DC/DC converter	• Wire harness or connector • w/ converter inverter assembly	X	○	• HV system • Discharge
P0A1D (05–320)	Hybrid Powertrain Control Module	134	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05–320)	Hybrid Powertrain Control Module	135	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05–320)	Hybrid Powertrain Control Module	139	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05–320)	Hybrid Powertrain Control Module	140	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05–320)	Hybrid Powertrain Control Module	141	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05–324)	Hybrid Powertrain Control Module	142	ST signal of HV control ECU is ON with power switch OFF	• Wire harness or connector • Power source control ECU	○	○	• HV system
P0A1D (05–320)	Hybrid Powertrain Control Module	143	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05–320)	Hybrid Powertrain Control Module	144	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05–320)	Hybrid Powertrain Control Module	145	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05–320)	Hybrid Powertrain Control Module	148	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05–320)	Hybrid Powertrain Control Module	149	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05–320)	Hybrid Powertrain Control Module	150	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05–320)	Hybrid Powertrain Control Module	151	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05–320)	Hybrid Powertrain Control Module	152	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05–320)	Hybrid Powertrain Control Module	155	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05–320)	Hybrid Powertrain Control Module	156	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05–320)	Hybrid Powertrain Control Module	158	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05–320)	Hybrid Powertrain Control Module	159	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05–320)	Hybrid Powertrain Control Module	160	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05–320)	Hybrid Powertrain Control Module	163	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05–320)	Hybrid Powertrain Control Module	164	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05–320)	Hybrid Powertrain Control Module	165	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05–320)	Hybrid Powertrain Control Module	166	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05–320)	Hybrid Powertrain Control Module	167	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05–320)	Hybrid Powertrain Control Module	168	HV control ECU internal error	• HV control ECU	○	○	• HV system

DTC No. (See Page)	Detection Item	INF Code	Detection Condition	Trouble Area	CHK ENG *1	Master Warning Lamp *2	Warning*3
P0A1D (05–320)	Hybrid Powertrain Control Module	177	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05–320)	Hybrid Powertrain Control Module	178	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05–320)	Hybrid Powertrain Control Module	180	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05–320)	Hybrid Powertrain Control Module	181	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05–320)	Hybrid Powertrain Control Module	182	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05–320)	Hybrid Powertrain Control Module	183	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05–320)	Hybrid Powertrain Control Module	184	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05–320)	Hybrid Powertrain Control Module	185	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05–320)	Hybrid Powertrain Control Module	186	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05–320)	Hybrid Powertrain Control Module	187	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05–320)	Hybrid Powertrain Control Module	188	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05–320)	Hybrid Powertrain Control Module	189	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05–320)	Hybrid Powertrain Control Module	192	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05–320)	Hybrid Powertrain Control Module	193	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05–320)	Hybrid Powertrain Control Module	195	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05–320)	Hybrid Powertrain Control Module	196	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05–320)	Hybrid Powertrain Control Module	197	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05–320)	Hybrid Powertrain Control Module	198	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05–320)	Hybrid Powertrain Control Module	199	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05–320)	Hybrid Powertrain Control Module	200	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05–327)	Hybrid Powertrain Control Module	390	Charge control malfunction	• HV control ECU	○	○	• HV system
P0A1D (05–320)	Hybrid Powertrain Control Module	392	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05–320)	Hybrid Powertrain Control Module	393	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05–320)	Hybrid Powertrain Control Module	511	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05–320)	Hybrid Powertrain Control Module	512	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05–320)	Hybrid Powertrain Control Module	564	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05–320)	Hybrid Powertrain Control Module	565	HV control ECU internal error	• HV control ECU	○	○	• HV system

DTC No. (See Page)	Detection Item	INF Code	Detection Condition	Trouble Area	CHK ENG *1	Master Warning Lamp *2	Warning*3
P0A1D (05–320)	Hybrid Powertrain Control Module	567	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05–328)	Hybrid Powertrain Control Module	568	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05–328)	Hybrid Powertrain Control Module	569	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05–320)	Hybrid Powertrain Control Module	570	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1D (05–320)	Hybrid Powertrain Control Module	615	HV control ECU internal error	• HV control ECU	○	○	• HV system
P0A1F (05–329)	Battery Energy Control Module	123	Abnormal signal input from battery ECU (ROMRAM malfunction)	• HV battery system • Battery ECU	○	○	• HV system
P0A1F (05–330)	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 (05–333)	Battery Energy Control Module	593	IG2 signal circuit of battery ECU malfunction	• Wire harness or connector • Battery ECU	○	○	• HV system
P0A2B (05–335)	Drive Motor "A" Temperature Sensor Circuit Range/Performance	248	Motor temperature sensor No. 1 malfunction	• Hybrid vehicle motor	X	○	• HV system
P0A2B (05–335)	Drive Motor "A" Temperature Sensor Circuit Range/Performance	250	Motor temperature sensor No. 1 performance problem	• Hybrid vehicle motor	X	○	• HV system
P0A2C (05–336)	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 (05–336)	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 (05–342)	Generator Temperature Sensor Circuit Range/Performance	258	Motor temperature sensor No. 2 malfunction	• Hybrid vehicle motor	X	○	• HV system
P0A37 (05–343)	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
P0A38 (05–344)	Generator Temperature Sensor Circuit Low	257	GND short in motor temperature sensor No. 2 circuit	• Wire harness or connector • Hybrid vehicle motor • HV control ECU	X	○	• HV system
P0A39 (05–344)	Generator Temperature Sensor Circuit High	259	Open or +B short in motor temperature sensor No. 2 circuit	• Wire harness or connector • Hybrid vehicle motor • HV control ECU	X	○	• HV system
P0A3F (05–349)	Drive Motor "A" Position Sensor Circuit	243	Interphase short in motor resolver circuit	• Wire harness or connector • Hybrid vehicle motor • HV control ECU	○	○	• HV system
P0A40 (05–349)	Drive Motor "A" Position Sensor Circuit Range/Performance	500	Motor resolver output is out of normal range	• Wire harness or connector • Hybrid vehicle motor • HV control ECU	○	○	• HV system

DTC No. (See Page)	Detection Item	INF Code	Detection Condition	Trouble Area	CHK ENG *1	Master Warning Lamp *2	Warning*3
P0A41 (05–349)	Drive Motor "A" Position Sensor Circuit Low	245	Open or short in motor resolver circuit	• Wire harness or connector • Hybrid vehicle motor • HV control ECU	○	○	• HV system
P0A4B (05–353)	Generator Position Sensor Circuit	253	Interphase short in generator resolver circuit	• Wire harness or connector • Hybrid vehicle generator • HV control ECU	○	○	• HV system
P0A4C (05–353)	Generator Position Sensor Circuit Range/Performance	513	Generator resolver output is out of normal range	• Wire harness or connector • Hybrid vehicle generator • HV control ECU	○	○	• HV system
P0A4D (05–353)	Generator Position Sensor Circuit Low	255	Open or short in generator resolver circuit	• Wire harness or connector • Hybrid vehicle generator • HV control ECU	○	○	• HV system
P0A51 (05–356)	Drive Motor "A" Current Sensor Circuit	174	HV control ECU internal error	• HV control ECU	X	○	• HV system
P0A60 (05–357)	Drive Motor "A" Phase V Current	288	Phase V current sub sensor of motor inverter current sensor malfunction	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system
P0A60 (05–357)	Drive Motor "A" Phase V Current	289	Open in phase V current sub sensor circuit of motor inverter current sensor	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system
P0A60 (05–357)	Drive Motor "A" Phase V Current	290	Phase V current main sensor of motor inverter current sensor malfunction	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system
P0A60 (05–357)	Drive Motor "A" Phase V Current	292	Open in phase V current main sensor circuit of motor inverter current sensor	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system
P0A60 (05–357)	Drive Motor "A" Phase V Current	294	Phase V current main and sub sensors of motor inverter current sensor performance problem	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system
P0A60 (05–357)	Drive Motor "A" Phase V Current	501	Phase V current main and sub sensors of motor inverter current sensor offset malfunction	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system
P0A63 (05–357)	Drive Motor "A" Phase W Current	296	Phase W current sub sensor of motor inverter current sensor malfunction	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system
P0A63 (05–357)	Drive Motor "A" Phase W Current	297	Open in phase W current sub sensor circuit of motor inverter current sensor	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system
P0A63 (05–357)	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 (05–357)	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 (05–357)	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 (05–357)	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

DTC No. (See Page)	Detection Item	INF Code	Detection Condition	Trouble Area	CHK ENG *1	Master Warning Lamp *2	Warning*3
P0A72 (05–361)	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 (05–361)	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 (05–361)	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 (05–361)	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 (05–361)	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 (05–361)	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 (05–361)	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 (05–361)	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 (05–361)	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 (05–361)	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 (05–361)	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 (05–361)	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 (05–365)	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
P0A78 (05–365)	Drive Motor "A" Inverter Performance	267	+B short in inverter voltage (VH) signal circuit	• Wire harness or connector • w/ converter inverter assembly • HV control ECU	○	○	• HV system
P0A78 (05–373)	Drive Motor "A" Inverter Performance	272	Abnormality in motor PWM circuit	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system
P0A78 (05–376)	Drive Motor "A" Inverter Performance	278	+B short in motor inverter over–voltage (OVH) signal circuit	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system

DTC No. (See Page)	Detection Item	INF Code	Detection Condition	Trouble Area	CHK ENG *1	Master Warning Lamp *2	Warning*3
P0A78 (05–378)	Drive Motor "A" Inverter Performance	279	Motor inverter over–voltage (OVH) signal detection (over–voltage by inverter assembly malfunction)	• Wire harness or connector • HV transaxle assembly • Hybrid vehicle motor • Hybrid vehicle generator • HV control ECU • w/ converter inverter assembly	○	○	• HV system
P0A78 (05–376)	Drive Motor "A" Inverter Performance	280	Open or GND short in motor inverter over–voltage (OVH) signal circuit	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system
P0A78 (05–387)	Drive Motor "A" Inverter Performance	282	Motor inverter over voltage (OVH) signal detection (circuit malfunction)	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system
P0A78 (05–390)	Drive Motor "A" Inverter Performance	283	+B short in motor inverter fail (MFIV) signal circuit	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system
P0A78 (05–392)	Drive Motor "A" Inverter Performance	284	Motor inverter fail (MFIV) signal detection (inverter overheating)	• 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 (05–390)	Drive Motor "A" Inverter Performance	285	Open or GND short in motor inverter fail (MFIV) signal circuit	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system
P0A78 (05–400)	Drive Motor "A" Inverter Performance	286	Motor inverter fail (MFIV) signal detection (circuit malfunction)	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system
P0A78 (05–403)	Drive Motor "A" Inverter Performance	287	Motor inverter fail (MFIV) signal detection (over current by inverter assembly malfunction)	• Wire harness or connector • HV transaxle assembly • Hybrid vehicle motor • HV control ECU • w/ converter inverter assembly	○	○	• HV system
P0A78 (05–410)	Drive Motor "A" Inverter Performance	304	Open or +B short in motor gate shutdown (MSDN) signal circuit	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system
P0A78 (05–410)	Drive Motor "A" Inverter Performance	305	GND short in motor gate shutdown (MSDN) signal circuit	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system
P0A78 (05–412)	Drive Motor "A" Inverter Performance	306	Failure in monitoring MG2 torque performance	• Hybrid vehicle motor • w/ converter inverter assembly	○	○	• HV system
P0A78 (05–415)	Drive Motor "A" Inverter Performance	308	Collision signal input from airbag ECU or circuit breaker sensor No. 1	• Supplemental restraint system • Circuit breaker sensor No. 1	○	○	• HV system
P0A78 (05–378)	Drive Motor "A" Inverter Performance	503	Motor inverter over–voltage (OVH) 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

DTC No. (See Page)	Detection Item	INF Code	Detection Condition	Trouble Area	CHK ENG *1	Master Warning Lamp *2	Warning*3
P0A78 (05–378)	Drive Motor "A" Inverter Performance	504	Motor inverter over–voltage (OVH) signal detection (over–voltage by HV transaxle assembly malfunction)	• Wire harness or connector • HV transaxle assembly • Hybrid vehicle motor • Hybrid vehicle generator • HV control ECU • w/ converter inverter assembly	○	○	• HV system
P0A78 (05–403)	Drive Motor "A" Inverter Performance	505	Motor inverter fail (MFIV) signal detection (over current by HV control ECU malfunction)	• Wire harness or connector • HV transaxle assembly • Hybrid vehicle motor • HV control ECU • w/ converter inverter assembly	○	○	• HV system
P0A78 (05–403)	Drive Motor "A" Inverter Performance	506	Motor inverter fail (MFIV) signal detection (over current by HV transaxle assembly malfunction)	• Wire harness or connector • HV transaxle assembly • Hybrid vehicle motor • HV control ECU • w/ converter inverter assembly	○	○	• HV system
P0A78 (05–410)	Drive Motor "A" Inverter Performance	507	Open in motor gate shutdown (MSDN) signal circuit	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system
P0A78 (05–416)	Drive Motor "A" Inverter Performance	508	Motor gate shutdown (MSDN) signal malfunction	• Wire harness or connector • HV control ECU	○	○	• HV system
P0A78 (05–418)	Drive Motor "A" Inverter Performance	510	Motor inverter gate malfunction	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system
P0A78 (05–420)	Drive Motor "A" Inverter Performance	523	Inverter voltage (VH) sensor offset malfunction	• System main relay • w/ converter inverter assembly	○	○	• HV system
P0A78 (05–422)	Drive Motor "A" Inverter Performance	586	Inverter voltage (VH) sensor performance problem	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system
P0A7A (05–424)	Generator Inverter Performance	309	Abnormality in generator PWM circuit	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system
P0A7A (05–426)	Generator Inverter Performance	321	+B short in generator inverter fail (GFIV) signal circuit	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system
P0A7A (05–428)	Generator Inverter Performance	322	Generator inverter fail (GFIV) signal detection (inverter overheating)	• 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 (05–426)	Generator Inverter Performance	323	Open or GND short in generator inverter fail (GFIV) signal circuit	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system
P0A7A (05–436)	Generator Inverter Performance	324	Generator inverter fail (GFIV) signal detection (circuit malfunction)	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system
P0A7A (05–439)	Generator Inverter Performance	325	Generator inverter fail (GFIV) signal detection (over current by inverter assembly malfunction)	• Wire harness or connector • HV transaxle assembly • Hybrid vehicle generator • HV control ECU • w/ converter inverter assembly	○	○	• HV system

DTC No. (See Page)	Detection Item	INF Code	Detection Condition	Trouble Area	CHK ENG *1	Master Warning Lamp *2	Warning*3
P0A7A (05–446)	Generator Inverter Performance	342	Open or +B short in generator gate shutdown (GSDN) signal circuit	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system
P0A7A (05–446)	Generator Inverter Performance	343	GND short in generator gate shutdown (GSDN) signal circuit	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system
P0A7A (05–448)	Generator Inverter Performance	344	Failure in monitoring MG1 torque performance	• Hybrid vehicle generator • w/ converter inverter assembly	○	○	• HV system
P0A7A (05–439)	Generator Inverter Performance	517	Generator inverter fail (GFIV) signal detection (over current by HV control ECU malfunction)	• Wire harness or connector • HV transaxle assembly • Hybrid vehicle generator • HV control ECU • w/ converter inverter assembly	○	○	• HV system
P0A7A (05–439)	Generator Inverter Performance	518	Generator inverter fail (GFIV) signal detection (over current by HV transaxle assembly malfunction)	• Wire harness or connector • HV transaxle assembly • Hybrid vehicle generator • HV control ECU • w/ converter inverter assembly	○	○	• HV system
P0A7A (05–446)	Generator Inverter Performance	519	Open in generator gate shutdown (GSDN) signal circuit	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system
P0A7A (05–451)	Generator Inverter Performance	520	Generator gate shutdown (GSDN) signal malfunction	• Wire harness or connector • HV control ECU	○	○	• HV system
P0A7A (05–453)	Generator Inverter Performance	522	Generator inverter gate malfunction	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system
P0A90 (05–455)	Drive Motor "A" Performance	239	HV transaxle input malfunction (shaft damaged)	• Engine assembly • HV transaxle assembly (shaft or gear) • Transmission input damper • Wire harness or connector • HV control ECU	○	○	• HV system
P0A90 (05–461)	Drive Motor "A" Performance	240	Generator locked	• Hybrid vehicle generator	○	○	• HV system
P0A90 (05–455)	Drive Motor "A" Performance	241	HV transaxle input malfunction (torque limiter slipping)	• Engine assembly • HV transaxle assembly (shaft or gear) • Transmission input damper • Wire harness or connector • HV control ECU	○	○	• HV system
P0A90 (05–462)	Drive Motor "A" Performance	242	Planetary gear locked	• HV transaxle assembly	○	○	• HV system
P0A90 (05–463)	Drive Motor "A" Performance	251	MG2 magnetic force deterioration or same phase short circuit	• Hybrid vehicle motor	○	○	• HV system
P0A90 (05–465)	Drive Motor "A" Performance	509	MG2 system malfunction	• Hybrid vehicle motor • w/ converter inverter assembly	○	○	• HV system
P0A90 (05–455)	Drive Motor "A" Performance	602	HV transaxle output malfunction	• Engine assembly • HV transaxle assembly (shaft or gear) • Transmission input damper • Wire harness or connector • HV control ECU	○	○	• HV system
P0A90 (05–467)	Drive Motor "A" Performance	604	MG2 power balance malfunction (small power balance)	• Battery current sensor • Hybrid vehicle motor	○	○	• HV system

DTC No. (See Page)	Detection Item	INF Code	Detection Condition	Trouble Area	CHK ENG *1	Master Warning Lamp *2	Warning*3
P0A90 (05–467)	Drive Motor "A" Performance	605	MG2 power balance malfunction (large power balance)	• Battery current sensor • Hybrid vehicle motor	○	○	• HV system
P0A92 (05–469)	Hybrid Generator Performance	261	MG1 magnetic force deterioration or same phase short circuit	• Hybrid vehicle generator	○	○	• HV system
P0A92 (05–470)	Hybrid Generator Performance	521	MG1 system malfunction	• Hybrid vehicle generator • w/ converter inverter assembly	○	○	• HV system
P0A92 (05–472)	Hybrid Generator Performance	606	MG1 power balance malfunction (small power balance)	• Battery current sensor • Hybrid vehicle generator	○	○	• HV system
P0A92 (05–472)	Hybrid Generator Performance	607	MG1 power balance malfunction (large power balance)	• Battery current sensor • Hybrid vehicle generator	○	○	• HV system
P0A93 (05–474)	Inverter Cooling System Performance	346	Inverter cooling system malfunction (water pump 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
P0A93 (05–474)	Inverter Cooling System Performance	347	Inverter cooling system malfunction (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 (05–477)	DC/DC Converter Performance	442	Abnormal voltage execution value	• w/ converter inverter assembly	○	○	• HV system
P0A94 (05–479)	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 (05–479)	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 (05–481)	DC/DC Converter Performance	547	Boost converter over voltage (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 (05–481)	DC/DC Converter Performance	548	Boost converter over voltage (OVL) signal detection (over voltage by inverter assembly malfunction)	• Wire harness or connector • HV transaxle assembly • Hybrid vehicle motor • Hybrid vehicle generator • HV control ECU • w/ converter inverter assembly	○	○	• HV system
P0A94 (05–481)	DC/DC Converter Performance	549	Boost converter over voltage (OVL) signal detection (over voltage by HV transaxle assembly malfunction)	• Wire harness or connector • HV transaxle assembly • Hybrid vehicle motor • Hybrid vehicle generator • HV control ECU • w/ converter inverter assembly	○	○	• HV system
P0A94 (05–489)	DC/DC Converter Performance	550	Boost converter over–voltage (OVL) signal detection (circuit malfunction)	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system

DTC No. (See Page)	Detection Item	INF Code	Detection Condition	Trouble Area	CHK ENG *1	Master Warning Lamp *2	Warning*3
P0A94 (05–492)	DC/DC Converter Performance	551	Open or GND short in boost converter fail (FCV) signal circuit	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system
P0A94 (05–492)	DC/DC Converter Performance	552	+B short in boost converter fail (FCV) signal circuit	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system
P0A94 (05–494)	DC/DC Converter Performance	553	Boost converter fail (FCV) signal detection (boost converter overheating)	• 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 (05–503)	DC/DC Converter Performance	554	Boost converter fail (FCV) signal detection (over current 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 (05–503)	DC/DC Converter Performance	555	Boost converter fail (FCV) signal detection (over current by inverter assembly malfunction)	• Wire harness or connector • HV transaxle assembly • Hybrid vehicle motor • Hybrid vehicle generator • HV control ECU • w/ converter inverter assembly	○	○	• HV system
P0A94 (05–503)	DC/DC Converter Performance	556	Boost converter fail (FCV) signal detection (over current by HV transaxle assembly malfunction)	• Wire harness or connector • HV transaxle assembly • Hybrid vehicle motor • Hybrid vehicle generator • HV control ECU • w/ converter inverter assembly	○	○	• HV system
P0A94 (05–510)	DC/DC Converter Performance	557	Boost converter fail (FCV) signal detection (circuit malfunction)	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system
P0A94 (05–513)	DC/DC Converter Performance	558	GND short in boost converter gate shutdown (CSDN) signal circuit	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system
P0A94 (05–513)	DC/DC Converter Performance	559	Open or +B short in boost converter gate shutdown (CSDN) signal circuit	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system
P0A94 (05–513)	DC/DC Converter Performance	560	Open in boost converter gate shutdown (CSDN) signal circuit	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system
P0A94 (05–515)	DC/DC Converter Performance	561	Abnormal boost converter gate shutdown (CSDN) signal	• Wire harness or connector • HV control ECU	○	○	• HV system
P0A94 (05–517)	DC/DC Converter Performance	583	Open or GND short in boost converter temperature sensor circuit	• Wire harness or connector • w/ converter inverter assembly • HV control ECU	○	○	• HV system
P0A94 (05–517)	DC/DC Converter Performance	584	+B short in boost converter temperature sensor circuit	• Wire harness or connector • w/ converter inverter assembly • HV control ECU	○	○	• HV system
P0A94 (05–523)	DC/DC Converter Performance	585	Boost converter voltage (VL) sensor performance problem	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system

DTC No. (See Page)	Detection Item	INF Code	Detection Condition	Trouble Area	CHK ENG *1	Master Warning Lamp *2	Warning*3
P0A94 (05–525)	DC/DC Converter Performance	587	Difference between voltages from HV battery voltage (VB) sensor and boost converter voltage (VL) sensor is large	• Wire harness or connector • w/ converter inverter assembly • Service plug grip • High voltage fuse • Battery ECU	○	○	• HV system
P0A94 (05–529)	DC/DC Converter Performance	588	Abnormality in boost converter PWM circuit	• Wire harness or connector • w/ converter inverter assembly	○	○	• HV system
P0A94 (05–531)	DC/DC Converter Performance	589	Open or GND short in boost converter voltage (VL) signal circuit	• Wire harness or connector • w/ converter inverter assembly • HV control ECU	○	○	• HV system
P0A94 (05–531)	DC/DC Converter Performance	590	+B short in boost converter voltage (VL) signal circuit	• Wire harness or connector • w/ converter inverter assembly • HV control ECU	○	○	• HV system
P0AA1 (05–537)	Hybrid Battery Positive Contactor Circuit Stuck Closed	224	Open or +B short in system main relay No. 1 circuit	• Wire harness or connector • System main relay No. 1 • HV control ECU	X	○	• HV system
P0AA1 (05–540)	Hybrid Battery Positive Contactor Circuit Stuck Closed	226	Open or +B short in system main relay No. 2 circuit	• Wire harness or connector • System main relay No. 2 • HV control ECU	X	○	• HV system
P0AA1 (05–542)	Hybrid Battery Positive Contactor Circuit Stuck Closed	231	System main relay terminal of HV battery positive side stuck closed	• System main relay No. 1 • System main relay No. 2	X	○	• HV system
P0AA1 (05–543)	Hybrid Battery Positive Contactor Circuit Stuck Closed	233	System main relay terminals of HV battery positive and negative sides stuck closed	• System main relay No. 1 • System main relay No. 2 • System main relay No. 3	X	○	• HV system
P0AA2 (05–537)	Hybrid Battery Positive Contactor Circuit Stuck Open	225	GND short in system main relay No. 1 circuit	• Wire harness or connector • System main relay No. 1 • HV control ECU	X	○	• HV system
P0AA2 (05–540)	Hybrid Battery Positive Contactor Circuit Stuck Open	227	GND short in system main relay No. 2 circuit	• Wire harness or connector • System main relay No. 2 • HV control ECU	X	○	• HV system
P0AA4 (05–544)	Hybrid Battery Negative Contactor Circuit Stuck Closed	228	Open or +B short in system main relay No. 3 circuit	• Wire harness or connector • System main relay No. 3 • HV control ECU	○	○	• HV system
P0AA4 (05–546)	Hybrid Battery Negative Contactor Circuit Stuck Closed	232	System main relay terminal of HV battery negative side stuck closed	• System main relay No. 3	○	○	• HV system
P0AA5 (05–544)	Hybrid Battery Negative Contactor Circuit Stuck Open	229	GND short in system main relay No. 3 circuit	• Wire harness or connector • System main relay No. 3 • HV control ECU	X	○	• HV system
P2120 (05–547)	Throttle/Pedal Position Sensor/ Switch "D" Circuit	111	Accelerator pedal position main sensor value does not change while its sub sensor value changes	• Accelerator pedal rod assembly	X	○	• HV system
P2121 (05–547)	Throttle/Pedal Position Sensor/ Switch "D" Circuit Range/Performance	106	Internal error of accelerator pedal position main sensor	• Accelerator pedal rod assembly	X	○	• HV system

DTC No. (See Page)	Detection Item	INF Code	Detection Condition	Trouble Area	CHK ENG *1	Master Warning Lamp *2	Warning*3
P2121 (05–547)	Throttle/Pedal Position Sensor/ Switch "D" Circuit Range/Performance	114	Accelerator pedal not smoothly returning to its original position	• Accelerator pedal rod assembly	X	○	• HV system
P2122 (05–548)	Throttle/Pedal Position Sensor/ Switch "D" Circuit Low Input	104	Open or GND short in accelerator pedal position main sensor circuit	• Wire harness or connector • Accelerator pedal rod assembly • HV control ECU	X	○	• HV system
P2123 (05–548)	Throttle/Pedal Position Sensor/ Switch "D" Circuit High Input	105	+B short in accelerator pedal position main sensor circuit	• Wire harness or connector • Accelerator pedal rod assembly • HV control ECU	X	○	• HV system
P2125 (05–547)	Throttle/Pedal Position Sensor/ Switch "E" Circuit	112	Accelerator pedal position sub sensor value does not change while its main sensor value changes	• Accelerator pedal rod assembly	X	○	• HV system
P2126 (05–547)	Throttle/Pedal Position Sensor/ Switch "E" Circuit Range/Performance	109	Internal error of accelerator pedal position sub sensor	• Accelerator pedal rod assembly	X	○	• HV system
P2127 (05–548)	Throttle/Pedal Position Sensor/ Switch "E" Circuit Low Input	107	Open or GND short in accelerator pedal position sub sensor circuit	• Wire harness or connector • Accelerator pedal rod assembly • HV control ECU	X	○	• HV system
P2128 (05–548)	Throttle/Pedal Position Sensor/ Switch "E" Circuit High Input	108	+B short in accelerator pedal position sub sensor circuit	• Wire harness or connector • Accelerator pedal rod assembly • HV control ECU	X	○	• HV system
P2138 (05–547)	Throttle/Pedal Position Sensor/ Switch "D"/"E" VoltageCorrelation	110	Difference between main sensor value and sub sensor value is large	• Accelerator pedal rod assembly	X	○	• HV system
P3000 (05–553)	Battery Control System Malfunction	123	Abnormal signal input from battery ECU (HV battery system malfunction)	• HV battery system • Battery ECU	○	○	• HV system
P3000 (05–553)	Battery Control System Malfunction	125	Abnormal signal input from battery ECU (High voltage fuse blown out)	• HV battery system • Battery ECU	○	○	• HV system
P3000 (05–554)	Battery Control System Malfunction	388	Abnormal signal input from battery ECU (discharge inhibition control malfunction)	• HV control system • Fuel shortage • HV battery assembly	X	○	• HV battery
P3000 (05–556)	Battery Control System Malfunction	389	Abnormal signal input from battery ECU (drop of high voltage)	• HV control system • HV battery assembly	X	○	• HV battery
P3000 (05–553)	Battery Control System Malfunction	603	Abnormal signal input from battery ECU (HV battery cooling system malfunction)	• HV battery system • Battery ECU	○	○	• HV system
P3004 (05–557)	High Voltage Power Resource Malfunction	131	High voltage fuse has blown out, service plug grip is disconnected or limiter resistance is cut off	• 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

DTC No. (See Page)	Detection Item	INF Code	Detection Condition	Trouble Area	CHK ENG *1	Master Warning Lamp *2	Warning*3
P3004 (05–564)	High Voltage Power Resource Malfunction	132	Inverter voltage sensor malfunction, or limiter resistance increases	• 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 (05–570)	High Voltage Power Resource Malfunction	133	Abnormal signal input from battery ECU	• HV battery system • Battery ECU	X	X	–
P3009 (05–571)	High Voltage Power Short Circuit	526	Insulation resistance of high voltage circuit and body is low	• 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 (05–571)	High Voltage Power Short Circuit	611	Insulation resistance of A/C compressor motor or A/C inverter is low	• w/ motor compressor assembly • w/ converter inverter assembly	X	○	• HV system
P3009 (05–571)	High Voltage Power Short Circuit	612	Insulation resistance of HV battery, battery ECU, system main relay, or system main resistor is low	• 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 (05–571)	High Voltage Power Short Circuit	613	Insulation resistance of HV transaxle or motor and generator inverters is low	• HV transaxle assembly • w/ converter inverter assembly	X	○	• HV system
P3009 (05–571)	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	• 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
P3102 (05–590)	Transmission Control ECU Malfunction	524	BEAN communication problem of transmission control ECU	• Wire harness or connector • Transmission control ECU • HV control ECU • Power source control ECU	X	○	• HV system
P3102 (05–590)	Transmission Control ECU Malfunction	525	Transmission control ECU IG OFF command malfunction	• Wire harness or connector • Transmission control ECU • HV control ECU • Power source control ECU	X	○	• HV system

DTC No. (See Page)	Detection Item	INF Code	Detection Condition	Trouble Area	CHK ENG *1	Master Warning Lamp *2	Warning*3
P3102 (05–590)	Transmission Control ECU Malfunction	581	Transmission control ECU malfunction	• Wire harness or connector • Transmission control ECU • HV control ECU • Power source control ECU	X	○	• HV system
P3102 (05–590)	Transmission Control ECU Malfunction	582	P position (PPOS) signal is logically inconsistent	• Wire harness or connector • Transmission control ECU • HV control ECU • Power source control ECU	X	○	• HV system
P3102 (05–590)	Transmission Control ECU Malfunction	597	GND short in P position (PPOS) signal circuit	• Wire harness or connector • Transmission control ECU • HV control ECU • Power source control ECU	X	○	• HV system
P3102 (05–590)	Transmission Control ECU Malfunction	598	+B short in P position (PPOS) signal circuit	• Wire harness or connector • Transmission control ECU • HV control ECU • Power source control ECU	X	○	• HV system
P3102 (05–590)	Transmission Control ECU Malfunction	599	P position (PPOS) signal malfunction (output pulse is abnormal)	• Wire harness or connector • Transmission control ECU • HV control ECU • Power source control ECU	X	○	• HV system
P3107 (05–593)	Lost Communication with Airbag System Control Module	213	GND short in communication circuit between airbag ECU and HV control ECU	• Wire harness or connector • Airbag ECU	X	○	• HV system
P3107 (05–593)	Lost Communication with Airbag System Control Module	214	Open or +B short in communication circuit between airbag ECU and HV control ECU	• Wire harness or connector • Airbag ECU	X	○	• HV system
P3107 (05–593)	Lost Communication with Airbag System Control Module	215	Abnormal communication signals between airbag ECU and HV control ECU	• Wire harness or connector • Airbag ECU	X	○	• HV system
P3108 (05–595)	Lost Communication with A/C System Control Module	535	Serial communication malfunction	• Wire harness or connector • w/ converter inverter assembly	X	X	–
P3108 (05–595)	Lost Communication with A/C System Control Module	536	A/C inverter malfunction	• Wire harness or connector • w/ converter inverter assembly	X	X	–
P3108 (05–597)	Lost Communication with A/C System Control Module	537	A/C amplifier malfunction	• A/C amplifier	X	X	–
P3108 (05–595)	Lost Communication with A/C System Control Module	538	Open in STB signal circuit	• Wire harness or connector • w/ converter inverter assembly	X	X	–
P3108 (05–598)	Lost Communication with A/C System Control Module	594	CAN communication malfunction	• CAN communication system	X	X	–
P3110 (05–599)	HV Main Relay Malfunction	223	IGCT relay is always closed	• Wire harness or connector • Integration relay (IGCT relay)	X	○	• HV system
P3110 (05–599)	HV Main Relay Malfunction	527	IG2 logical inconsistency	• Wire harness or connector • Integration relay (IG2 relay)	X	○	• HV system

DTC No. (See Page)	Detection Item	INF Code	Detection Condition	Trouble Area	CHK ENG *1	Master Warning Lamp *2	Warning*3
P3137 (05–601)	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 (05–601)	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 (05–603)	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 (05–604)	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 (05–607)	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 (05–607)	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 (05–612)	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 (05–612)	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 (05–618)	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 (05–618)	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
P3222 (05–623)	Generator Inverter Temperature Sensor Circuit High/Low	313	Open or GND short in generator inverter temperature sensor circuit	• Wire harness or connector • w/ converter inverter assembly • HV control ECU	X	○	• HV system
P3223 (05–623)	Generator Inverter Temperature Sensor Circuit High	312	+B short in generator inverter temperature sensor circuit	• Wire harness or connector • w/ converter inverter assembly • HV control ECU	X	○	• HV system

DTC No. (See Page)	Detection Item	INF Code	Detection Condition	Trouble Area	CHK ENG *1	Master Warning Lamp *2	Warning*3
P3226 (05–629)	DC/DC (Boost) Converter Temperature Sensor Malfunction	562	Sudden change in boost converter 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
P3226 (05–629)	DC/DC (Boost) Converter Temperature Sensor Malfunction	563	Boost converter 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
U0100 (05–634)	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 (05–634)	Lost Communication with ECM/ PCM "A"	212	CAN communication problem between ECM and HV control ECU (transmission error)	• CAN communication system	○	○	• HV system
U0100 (05–634)	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 (05–634)	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 (05–634)	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 (05–634)	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 (05–634)	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 (05–634)	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
U0129 (05–634)	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 (05–634)	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	–

DTC No. (See Page)	Detection Item	INF Code	Detection Condition	Trouble Area	CHK ENG *1	Master Warning Lamp *2	Warning*3
U0131 (05–634)	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 (05–634)	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: "○" ... CHK ENG is illuminated, "X" ... CHK ENG 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