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شرکت مهندسی موتور آزما تامین
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PCode	Description	شرح خطا
0001	Fuel Volume Regulator Ctrl Circ	رگولاتور ریل سوخت
0002	Fuel Volume Regulator Ctrl Circ	رگولاتور ریل سوخت
0003	Fuel Volume Regulator Ctrl Circ	رگولاتور ریل سوخت
0004	Fuel Volume Regulator Ctrl Circ	رگولاتور ریل سوخت
0005	Fuel Shutoff Valve A Ctrl Circ	شیربرقی سوخت
0006	Fuel Shutoff Valve A Ctrl Circ	شیربرقی سوخت
0007	Fuel Shutoff Valve A Ctrl Circ	شیربرقی سوخت
0008	Engine Position System B1	موقعیت موتور (بانک ۱)
0009	Engine Position System B2	موقعیت موتور (بانک ۲)
0010	A Camshaft Pos Actuator Circ B1	موقعیت میل سوپاپ اول (بانک ۱)
0011	A Camshaft Pos Timing B1	زمانبندی موقعیت میل سوپاپ اول (بانک ۱)
0012	A Camshaft Pos Timing B1	زمانبندی موقعیت میل سوپاپ اول (بانک ۱)
0013	B Camshaft Pos Actuator Circ B1	موقعیت میل سوپاپ دوم (بانک ۱)

PCode	Description	شرح خطا
0014	B Camshaft Pos Timing B1	زمانبندی موقعیت میل سوپاپ دوم (بانک ۱)
0015	B Camshaft Pos Timing B1	زمانبندی موقعیت میل سوپاپ دوم (بانک ۱)
0016	Crankshaft Pos - Camshaft Pos Correlation	اختلاف زاویه بین میل سوپاپ و میل لنگ
0017	Crankshaft Pos - Camshaft Pos Correlation	اختلاف زاویه بین میل سوپاپ و میل لنگ
0018	Crankshaft Pos - Camshaft Pos Correlation	اختلاف زاویه بین میل سوپاپ و میل لنگ
0019	Crankshaft Pos - Camshaft Pos Correlation	اختلاف زاویه بین میل سوپاپ و میل لنگ
0020	A Camshaft Pos Actuator Circ B2	موقعیت میل سوپاپ اول (بانک ۲)
0021	A Camshaft Pos Timing B۲	موقعیت میل سوپاپ اول (بانک ۲)
0022	A Camshaft Pos Timing B۲	موقعیت میل سوپاپ اول (بانک ۲)
0023	B Camshaft Pos Actuator Circ B۲	موقعیت میل سوپاپ دوم (بانک ۲)

PCode	Description	شرح خطا
0024	B Camshaft Pos Timing B ^۲	موقعیت میل سوپاپ دوم (بانک ۲)
0025	B Camshaft Pos Timing B2	موقعیت میل سوپاپ دوم (بانک ۲)
0026	Intake Valve Ctrl Solenoid Circ B1	مدار سولونوئید کنترل شیر ورودی (بانک ۱)
0027	Exhaust Valve Ctrl Solenoid Circ B1	مدار سولونوئید کنترل شیر خروجی (بانک ۱)
0028	Intake Valve Ctrl Solenoid Circ B2	مدار سولونوئید کنترل شیر ورودی (بانک ۲)
0029	Exhaust Valve Ctrl Solenoid Circ B2	مدار سولونوئید کنترل شیر خروجی (بانک ۲)
0030	HO2S Heater Ctrl Circ	گرمکن سنسور اکسیژن
0031	HO2S Heater Ctrl Circ	گرمکن سنسور اکسیژن
0032	HO2S Heater Ctrl Circ	گرمکن سنسور اکسیژن
0033	Turbo Charger Bypass Valve Ctrl Circ	شیر کنارگذر توربوشارژر
0034	Turbo Charger Bypass Valve Ctrl	شیر کنارگذر توربوشارژر

PCode	Description	شرح خطا
	Circ	
0035	Turbo Charger Bypass Valve Ctrl Circ	شير کنارگذر توربوشارژر
0036	HO2S Heater Ctrl Circ B1S2	گرمکن سنسور اکسیژن (بانک ۱/ سنسور ۲)
0037	HO2S Heater Ctrl Circ B1S2	گرمکن سنسور اکسیژن (بانک ۱/ سنسور ۲)
0038	HO2S Heater Ctrl Circ B1S2	گرمکن سنسور اکسیژن (بانک ۱/ سنسور ۲)
0039	Turbo Charger Bypass Valve Ctrl Circ	شير کنارگذر توربوشارژر
0040	O2 Sensor Signals Swapped B1S1/ B2 S1	سیگنال خروجی سنسور اکسیژن (بانک ۱ / سنسور ۱، بانک ۲ / سنسور ۱)
0041	O2 Sensor Signals Swapped B1S ^۲ / B2 S ^۲	سیگنال خروجی سنسور اکسیژن (بانک ۱ / سنسور ۲، بانک ۲ / سنسور ۲)
0042	HO2S Heater Ctrl Circ B1S3	گرمکن سنسور اکسیژن (بانک ۱/ سنسور ۳)

PCode	Description	شرح خطا
0043	HO2S Heater Ctrl Circ B1S3	گرمکن سنسور اکسیژن (بانک ۱) سنسور (۳)
0044	HO2S Heater Ctrl Circ B1S3	گرمکن سنسور اکسیژن (بانک ۱) سنسور (۳)
0045	T/ Super Charger Boost Ctrl Solenoid	سولونوئید کنترل افزایش توربوشارژر
0046	T/ Super Charger Boost Ctrl Solenoid	سولونوئید کنترل افزایش توربوشارژر
0047	T/ Super Charger Boost Ctrl Solenoid	سولونوئید کنترل افزایش توربوشارژر
0048	T/ Super Charger Boost Ctrl Solenoid	سولونوئید کنترل افزایش توربوشارژر
0049	T/ Super Charger Turbine Overspeed	سرعت بیش از حد توربین توربوشارژر
0050	HO2S Heater Ctrl Circ B2S1	گرمکن سنسور اکسیژن (بانک ۲) سنسور (۱)
0051	HO2S Heater Ctrl Circ B2S1	گرمکن سنسور اکسیژن (بانک ۲) سنسور (۱)
0052	HO2S Heater Ctrl Circ B2S1	گرمکن سنسور اکسیژن (بانک ۲) سنسور (۱)
0053	HO2S Heater Resistance	مقاومت گرمکن سنسور اکسیژن

PCode	Description	شرح خطا
0054	HO2S Heater Resistance B1S2	مقاومت گرمکن سنسور اکسیژن (بانک ۱ / سنسور ۲)
0055	HO2S Heater Resistance B1S3	مقاومت گرمکن سنسور اکسیژن (بانک ۱ / سنسور ۳)
0056	HO2S Heater Ctrl Circ B2S2	گرمکن سنسور اکسیژن (بانک ۲ / سنسور ۲)
0057	HO2S Heater Ctrl Circ B2S2	گرمکن سنسور اکسیژن (بانک ۲ / سنسور ۲)
0058	HO2S Heater Ctrl Circ B2S2	گرمکن سنسور اکسیژن (بانک ۲ / سنسور ۲)
0059	HO2S Heater Resistance B2S1	مقاومت گرمکن سنسور اکسیژن (بانک ۲ / سنسور ۱)
0060	HO2S Heater Resistance B2S2	مقاومت گرمکن سنسور اکسیژن (بانک ۲ / سنسور ۲)
0061	HO2S Heater Resistance B2S3	مقاومت گرمکن سنسور اکسیژن (بانک ۲ / سنسور ۳)

PCode	Description	شرح خطا
0062	HO2S Heater Ctrl Circ B2S3	گرمکن سنسور اکسیژن (بانک ۲) سنسور ۳
0063	HO2S Heater Ctrl Circ B2S3	گرمکن سنسور اکسیژن (بانک ۲) سنسور ۳
0064	HO2S Heater Ctrl Circ B2S3	گرمکن سنسور اکسیژن (بانک ۲) سنسور ۳
0065	Air Assisted Injector Ctrl	کنترل انژکتور
0066	Air Assisted Injector Ctrl	کنترل انژکتور
0067	Air Assisted Injector Ctrl	کنترل انژکتور
0068	MAP/MAF - Throttle Position Correlation	موقعیت پدال گاز
0069	MAP - Barometric Pressure Correlation	سنسور فشار هوای مانیفولد
0070	Ambient Air Temp Sensor	سنسور دمای محیط
0071	Ambient Air Temp Sensor	سنسور دمای محیط
0072	Ambient Air Temp Sensor	سنسور دمای محیط

PCode	Description	شرح خطا
0073	Ambient Air Temp Sensor	سنسور دمای محیط
0074	Ambient Air Temp Sensor	سنسور دمای محیط
0075	Intake Valve Ctrl Circ	کنترل شیربرقی هوای ورودی
0076	Intake Valve Ctrl Circ	کنترل شیربرقی هوای ورودی
0077	Intake Valve Ctrl Circ	کنترل شیربرقی هوای ورودی
0078	Exhaust Valve Ctrl Circ	کنترل شیربرقی هوای خروجی
0079	Exhaust Valve Ctrl Circ	کنترل شیربرقی هوای خروجی
0080	Exhaust Valve Ctrl Circ	کنترل شیربرقی هوای خروجی
0081	Intake Valve Ctrl Circ	کنترل شیربرقی هوای ورودی
0082	Intake Valve Ctrl Circ	کنترل شیربرقی هوای ورودی
0083	Intake Valve Ctrl Circ	کنترل شیربرقی هوای ورودی
0084	Exhaust Valve Ctrl Circ	کنترل شیربرقی هوای خروجی
0085	Exhaust Valve Ctrl Circ	کنترل شیربرقی هوای خروجی
0086	Exhaust Valve Ctrl Circ	کنترل شیربرقی هوای خروجی

PCode	Description	شرح خطا
0087	Fuel Rail/ System Pressure	فشار ریل سوخت
0088	Fuel Rail/ System Pressure	فشار ریل سوخت
0089	Fuel Pressure Regulator	رگولاتور فشار سوخت
0090	Fuel Pressure Regulator Ctrl Circ	کنترل رگولاتور فشار سوخت
0091	Fuel Pressure Regulator Ctrl Circ	کنترل رگولاتور فشار سوخت
0092	Fuel Pressure Regulator Ctrl Circ	کنترل رگولاتور فشار سوخت
0093	Fuel System Leak Detected	تشخیص نشتی در ریل
0094	Fuel System Leak Detected	تشخیص نشتی در ریل
0095	Intake Air Temp S2 Circ	سنسور ۲ دمای هوای ورودی به موتور
0096	Intake Air Temp S2 Circ	سنسور ۲ دمای هوای ورودی به موتور
0097	Intake Air Temp S2 Circ	سنسور ۲ دمای هوای ورودی به موتور
0098	Intake Air Temp S2 Circ	سنسور ۲ دمای هوای ورودی به موتور
0099	Intake Air Temp S2 Circ	سنسور ۲ دمای هوای ورودی به موتور
0100	Mass or Volume Air Flow Circ	سنسور میزان هوای ورودی به موتور

PCode	Description	شرح خطا
0101	Mass or Volume Air Flow Circ	سنسور میزان هوای ورودی به موتور
0102	Mass or Volume Air Flow Circ	سنسور میزان هوای ورودی به موتور
0103	Mass or Volume Air Flow Circ	سنسور میزان هوای ورودی به موتور
0104	Mass or Volume Air Flow Circ	سنسور میزان هوای ورودی به موتور
0105	Manifold Absolute Pressure/ Barometric Pressure Circ	سنسور فشار هوای داخل منیفولد/ فشار جو
0106	Manifold Absolute Pressure/ Barometric Pressure Circ	سنسور فشار هوای داخل منیفولد/ فشار جو
0107	Manifold Absolute Pressure/ Barometric Pressure Circ	سنسور فشار هوای داخل منیفولد/ فشار جو
0108	Manifold Absolute Pressure/ Barometric Pressure Circ	سنسور فشار هوای داخل منیفولد/ فشار جو
0109	Manifold Absolute Pressure/ Barometric Pressure Circ	سنسور فشار هوای داخل منیفولد/ فشار جو
0110	Intake Air Temp Circ	سنسور دمای هوای ورودی
0111	Intake Air Temp Circ	سنسور دمای هوای ورودی

PCode	Description	شرح خطا
0112	Intake Air Temp Circ	سنسور دمای هوای ورودی
0113	Intake Air Temp Circ	سنسور دمای هوای ورودی
0114	Intake Air Temp Circ	سنسور دمای هوای ورودی
0115	Engine Coolant Temp Circ	سنسور دمای آب موتور
0116	Engine Coolant Temp Circ	سنسور دمای آب موتور
0117	Engine Coolant Temp Circ	سنسور دمای آب موتور
0118	Engine Coolant Temp Circ	سنسور دمای آب موتور
0119	Engine Coolant Temp Circ	سنسور دمای آب موتور
0120	Throttle Position Sensor/ Switch A Circ	سوئیچ / سنسور دریچه گاز
0121	Throttle Position Sensor/ Switch A Circ	سوئیچ / سنسور دریچه گاز
0122	Throttle Position Sensor/ Switch A Circ	سوئیچ / سنسور دریچه گاز
0123	Throttle Position Sensor/ Switch A Circ	سوئیچ / سنسور دریچه گاز
0124	Throttle Position Sensor/ Switch A Circ	سوئیچ / سنسور دریچه گاز
0125	Insufficient Coolant Temp for Closed Loop Fuel Ctrl; ECT Excessive Time	پایین بودن دمای آب برای کنترل حلقه

PCode	Description	شرح خطا
	to Closed Loop Fuel Ctrl	بسته
0126	Insufficient Coolant Temp for Stable Operation	پایین بودن دمای آب برای عملکرد پایدار و مناسب
0127	Intake Air Temp	دمای هوای ورودی
0128	Coolant Temp Thermostat	ترموستات دمای آب
0129	Barometric Pressure	فشار اتمسفر
0130	O2 Sensor Circ B1S1	سنسور اکسیژن (بانک ۱ / سنسور ۱)
0131	O2 Sensor Circ B1S1	سنسور اکسیژن (بانک ۱ / سنسور ۱)
0132	O2 Sensor Circ B1S1	سنسور اکسیژن (بانک ۱ / سنسور ۱)
0133	O2 Sensor Circ B1S1	سنسور اکسیژن (بانک ۱ / سنسور ۱)
0134	O2 Sensor Circ B1S1	سنسور اکسیژن (بانک ۱ / سنسور ۱)
0135	O2 Sensor Heater Circ B1S1	گرمکن سنسور اکسیژن (بانک ۱ / سنسور ۱)
0136	O2 Sensor Circ B1S2	سنسور اکسیژن (بانک ۱ / سنسور ۲)
0137	O2 Sensor Circ B1S2	سنسور اکسیژن (بانک ۱ / سنسور ۲)

PCode	Description	شرح خطا
0138	O2 Sensor Circ B1S2	سنسور اکسیژن (بانک ۱ / سنسور ۲)
0139	O2 Sensor Circ B1S2	سنسور اکسیژن (بانک ۱ / سنسور ۲)
0140	O2 Sensor Circ B1S2	سنسور اکسیژن (بانک ۱ / سنسور ۲)
0141	O2 Sensor Heater Circ B1S2	گرمکن سنسور اکسیژن (بانک ۱ / سنسور ۲)
0142	O2 Sensor Circ B1S3	سنسور اکسیژن (بانک ۱ / سنسور ۳)
0143	O2 Sensor Circ B1S3	سنسور اکسیژن (بانک ۱ / سنسور ۳)
0144	O2 Sensor Circ B1S3	سنسور اکسیژن (بانک ۱ / سنسور ۳)
0145	O2 Sensor Circ B1S3	سنسور اکسیژن (بانک ۱ / سنسور ۳)
0146	O2 Sensor Circ B1S3	سنسور اکسیژن (بانک ۱ / سنسور ۳)
0147	O2 Sensor Heater Circ B1S3	گرمکن سنسور اکسیژن (بانک ۱ / سنسور ۳)
0148	Fuel Delivery Error	خطا در مدار سوخت رسانی
0149	Fuel Timing Error	خطا در زمانبندی سوخت رسانی
0150	O2 Sensor Circ B2S1	سنسور اکسیژن (بانک ۲ / سنسور ۱)

PCode	Description	شرح خطا
0151	O2 Sensor Circ B2S1	سنسور اكسيژن (بانك ٢ / سنسور ١)
0152	O2 Sensor Circ B2S1	سنسور اكسيژن (بانك ٢ / سنسور ١)
0153	O2 Sensor Circ B2S1	سنسور اكسيژن (بانك ٢ / سنسور ١)
0154	O2 Sensor Circ B2S1	سنسور اكسيژن (بانك ٢ / سنسور ١)
0155	O2 Sensor Heater Circ B2S1	گرمكن سنسور اكسيژن (بانك ٢ / سنسور ١)
0156	O2 Sensor Circ B2S2	سنسور اكسيژن (بانك ٢ / سنسور ٢)
0157	O2 Sensor Circ B2S2	سنسور اكسيژن (بانك ٢ / سنسور ٢)
0158	O2 Sensor Circ B2S2	سنسور اكسيژن (بانك ٢ / سنسور ٢)
0159	O2 Sensor Circ B2S2	سنسور اكسيژن (بانك ٢ / سنسور ٢)
0160	O2 Sensor Circ B2S2	سنسور اكسيژن (بانك ٢ / سنسور ٢)
0161	O2 Sensor Heater Circ B2S2	گرمكن سنسور اكسيژن (بانك ٢ / سنسور ٢)
0162	O2 Sensor Circ B2S3	سنسور اكسيژن (بانك ٢ / سنسور ٣)
0163	O2 Sensor Circ B2S3	سنسور اكسيژن (بانك ٢ / سنسور ٣)

PCode	Description	شرح خطا
0164	O2 Sensor Circ B2S3	سنسور اکسیژن (بانک ۲ / سنسور ۳)
0165	O2 Sensor Circ B2S3	سنسور اکسیژن (بانک ۲ / سنسور ۳)
0166	O2 Sensor Circ B2S3	سنسور اکسیژن (بانک ۲ / سنسور ۳)
0167	O2 Sensor Heater Circ B2S3	گرمکن سنسور اکسیژن (بانک ۲ / سنسور ۳)
0168	Engine Fuel Temp	دمای سوخت موتور
0169	Incorrect Fuel Composition	ترکیب ناصحیح سوخت
0170	Fuel Trim B1	تنظیم سوخت (بانک ۱)
0171	Fuel Trim B1	تنظیم سوخت (بانک ۱)
0172	Fuel Trim B1	تنظیم سوخت (بانک ۱)
0173	Fuel Trim B2	تنظیم سوخت (بانک ۲)
0174	Fuel Trim B2	تنظیم سوخت (بانک ۲)
0175	Fuel Trim B2	تنظیم سوخت (بانک ۲)
0176	Fuel Composition Sensor Circ	سنسور ترکیب سوخت
0177	Fuel Composition Sensor Circ	سنسور ترکیب سوخت

PCode	Description	شرح خطا
0178	Fuel Composition Sensor Circ	سنسور ترکیب سوخت
0179	Fuel Composition Sensor Circ	سنسور ترکیب سوخت
0180	Fuel Temp Sensor A Circ	سنسور دمای سوخت
0181	Fuel Temp Sensor A Circ	سنسور دمای سوخت
0182	Fuel Temp Sensor A Circ	سنسور دمای سوخت
0183	Fuel Temp Sensor A Circ	سنسور دمای سوخت
0184	Fuel Temp Sensor A Circ	سنسور دمای سوخت
0185	Fuel Temp Sensor B Circ	سنسور دوم دمای سوخت
0186	Fuel Temp Sensor B Circ	سنسور دوم دمای سوخت
0187	Fuel Temp Sensor B Circ	سنسور دوم دمای سوخت
0188	Fuel Temp Sensor B Circ	سنسور دوم دمای سوخت
0189	Fuel Temp Sensor B Circ	سنسور دوم دمای سوخت
0190	Fuel Rail Pressure Sensor Circ	سنسور فشار ریل سوخت
0191	Fuel Rail Pressure Sensor Circ	سنسور فشار ریل سوخت

PCode	Description	شرح خطا
0192	Fuel Rail Pressure Sensor Circ	سنسور فشار ریل سوخت
0193	Fuel Rail Pressure Sensor Circ	سنسور فشار ریل سوخت
0194	Fuel Rail Pressure Sensor Circ	سنسور فشار ریل سوخت
0195	Engine Oil Temp Sensor	سنسور دمای روغن موتور
0196	Engine Oil Temp Sensor	سنسور دمای روغن موتور
0197	Engine Oil Temp Sensor	سنسور دمای روغن موتور
0198	Engine Oil Temp Sensor	سنسور دمای روغن موتور
0199	Engine Oil Temp Sensor	سنسور دمای روغن موتور
0200	Injector Circ	کنترل کننده انژکتور
0201	Injector Circ – Cylinder 1	انژکتور ۱
0202	Injector Circ – Cylinder 2	انژکتور ۲
0203	Injector Circ – Cylinder 3	انژکتور ۳
0204	Injector Circ – Cylinder 4	انژکتور ۴
0205	Injector Circ – Cylinder 5	انژکتور ۵

PCode	Description	شرح خطا
0206	Injector Circ – Cylinder 6	انژکتور ۶
0207	Injector Circ – Cylinder 7	انژکتور ۷
0208	Injector Circ – Cylinder 8	انژکتور ۸
0209	Injector Circ – Cylinder 9	انژکتور ۹
0210	Injector Circ – Cylinder 10	انژکتور ۱۰
0211	Injector Circ – Cylinder 11	انژکتور ۱۱
0212	Injector Circ – Cylinder 12	انژکتور ۱۲
0213	Cold Start Injector 1	انژکتور استارت سرد ۱
0214	Cold Start Injector 2	انژکتور استارت سرد ۲
0215	Engine Shutoff Solenoid	سولونوئید خاموش کننده موتور
0216	Injection Timing Ctrl Circ	کنترل کننده زمان پاشش
0217	Engine Overtemp Condition	دمای زیاد موتور
0218	Transmission Over Temp Condition	دمای زیاد گیربکس
0219	Engine Overspeed Condition	دور زیاد موتور

PCode	Description	شرح خطا
0220	Throttle/ Petal Position Sensor/Switch B Circ	سنسور/ سوئیچ دریچه گاز ۲
0221	Throttle/ Petal Position Sensor/Switch B Circ	سنسور/ سوئیچ دریچه گاز ۲
0222	Throttle/ Petal Position Sensor/Switch B Circ	سنسور/ سوئیچ دریچه گاز ۲
0223	Throttle/ Petal Position Sensor/Switch B Circ	سنسور/ سوئیچ دریچه گاز ۲
0224	Throttle/ Petal Position Sensor/Switch B Circ	سنسور/ سوئیچ دریچه گاز ۲
0225	Throttle/ Petal Position Sensor/Switch C Circ	سنسور/ سوئیچ دریچه گاز ۳
0226	Throttle/ Petal Position Sensor/Switch C Circ	سنسور/ سوئیچ دریچه گاز ۳
0227	Throttle/ Petal Position Sensor/Switch C Circ	سنسور/ سوئیچ دریچه گاز ۳
0228	Throttle/ Petal Position Sensor/Switch C Circ	سنسور/ سوئیچ دریچه گاز ۳
0229	Throttle/ Petal Position Sensor/Switch C Circ	سنسور/ سوئیچ دریچه گاز ۳
0230	Fuel Pump Primary Circ	رله پمپ سوخت

PCode	Description	شرح خطا
0231	Fuel Pump Secondary Circ	پمپ سوخت
0232	Fuel Pump Secondary Circ	پمپ سوخت
0233	Fuel Pump Secondary Circ	پمپ سوخت
0234	Engine Overboost Condition	تقویت خیلی زیاد موتور
0235	Turbocharger Boost Sensor A Circ	سنسور اول توربوشارژر موتور
0236	Turbocharger Boost Sensor A Circ	سنسور اول توربوشارژر موتور
0237	Turbocharger Boost Sensor A Circ	سنسور اول توربوشارژر موتور
0238	Turbocharger Boost Sensor A Circ	سنسور اول توربوشارژر موتور
0239	Turbocharger Boost Sensor B Circ	سنسور دوم توربوشارژر موتور
0240	Turbocharger Boost Sensor B Circ	سنسور دوم توربوشارژر موتور
0241	Turbocharger Boost Sensor B Circ	سنسور دوم توربوشارژر موتور
0242	Turbocharger Boost Sensor B Circ	سنسور دوم توربوشارژر موتور
0243	Turbocharger Wastegate Solenoid A	سولونوئید اول دریچه خروجی توربوشارژر

PCode	Description	شرح خطا
0244	Turbocharger Wastegate Solenoid A	سولونوئيد اول دريچه خروجي توربوشارژر
0245	Turbocharger Wastegate Solenoid A	سولونوئيد اول دريچه خروجي توربوشارژر
0246	Turbocharger Wastegate Solenoid A	سولونوئيد اول دريچه خروجي توربوشارژر
0247	Turbocharger Wastegate Solenoid B	سولونوئيد دوم دريچه خروجي توربوشارژر
0248	Turbocharger Wastegate Solenoid B	سولونوئيد دوم دريچه خروجي توربوشارژر
0249	Turbocharger Wastegate Solenoid B	سولونوئيد دوم دريچه خروجي توربوشارژر
0250	Turbocharger Wastegate Solenoid B	سولونوئيد دوم دريچه خروجي توربوشارژر
0251	Injection Pump Fuel Metering Control A (Cam/Rotor/Injector)	کنترل کننده اول سوخت سنج پمپ پاشش (بادامک / روتور / انژکتور)

PCode	Description	شرح خطا
0252	Injection Pump Fuel Metering Control A (Cam/Rotor/Injector)	کنترل کننده اول سوخت سنج پمپ پاشش (بادامک / روتور / انژکتور)
0253	Injection Pump Fuel Metering Control A (Cam/Rotor/Injector)	کنترل کننده اول سوخت سنج پمپ پاشش (بادامک / روتور / انژکتور)
0254	Injection Pump Fuel Metering Control A (Cam/Rotor/Injector)	کنترل کننده اول سوخت سنج پمپ پاشش (بادامک / روتور / انژکتور)
0255	Injection Pump Fuel Metering Control A (Cam/Rotor/Injector)	کنترل کننده اول سوخت سنج پمپ پاشش (بادامک / روتور / انژکتور)
0256	Injection Pump Fuel Metering Control B (Cam/Rotor/Injector)	کنترل کننده دوم سوخت سنج پمپ پاشش (بادامک / روتور / انژکتور)
0257	Injection Pump Fuel Metering Control B (Cam/Rotor/Injector)	کنترل کننده دوم سوخت سنج پمپ پاشش (بادامک / روتور / انژکتور)
0258	Injection Pump Fuel Metering Control B (Cam/Rotor/Injector)	کنترل کننده دوم سوخت سنج پمپ پاشش (بادامک / روتور / انژکتور)
0259	Injection Pump Fuel Metering Control B (Cam/Rotor/Injector)	کنترل کننده دوم سوخت سنج پمپ پاشش (بادامک / روتور / انژکتور)

PCode	Description	شرح خطا
0260	Injection Pump Fuel Metering Control B (Cam/Rotor/Injector)	کنترل کننده دوم سوخت سنج پمپ پاشش (بادامک / روتور / انژکتور)
0261	Cylinder 1 Injector Circ	انژکتور سیلندر ۱
0262	Cylinder 1 Injector Circ	انژکتور سیلندر ۱
0263	Cylinder 1	سیلندر ۱
0264	Cylinder 2 Injector Circ	انژکتور سیلندر ۲
0265	Cylinder 2 Injector Circ	انژکتور سیلندر ۲
0266	Cylinder 2	سیلندر ۲
0267	Cylinder 3 Injector Circ	انژکتور سیلندر ۳
0268	Cylinder 3 Injector Circ	انژکتور سیلندر ۳
0269	Cylinder 3	سیلندر ۳
0270	Cylinder 4 Injector Circ	انژکتور سیلندر ۴
0271	Cylinder 4 Injector Circ	انژکتور سیلندر ۴
0272	Cylinder 4	سیلندر ۴
0273	Cylinder 5 Injector Circ	انژکتور سیلندر ۵

PCode	Description	شرح خطا
0274	Cylinder 5 Injector Circ	انژكتور سيلندر ٥
0275	Cylinder 5	سيلندر ٥
0276	Cylinder 6 Injector Circ	انژكتور سيلندر ٦
0277	Cylinder 6 Injector Circuit	انژكتور سيلندر ٦
0278	Cylinder 6	سيلندر ٦
0279	Cylinder 7 Injector Circuit	انژكتور سيلندر ٧
0280	Cylinder 7 Injector Circuit	انژكتور سيلندر ٧
0281	Cylinder 7	سيلندر ٧
0282	Cylinder 8 Injector Circuit	انژكتور سيلندر ٨
0283	Cylinder 8 Injector Circuit	انژكتور سيلندر ٨
0284	Cylinder 8	سيلندر ٨
0285	Cylinder 9 Injector Circuit	انژكتور سيلندر ٩
0286	Cylinder 9 Injector Circuit	انژكتور سيلندر ٩
0287	Cylinder 9	سيلندر ٩

PCode	Description	شرح خطا
0288	Cylinder 10 Injector Circuit	انژکتور سیلندر ۱۰
0289	Cylinder 10 Injector Circuit	انژکتور سیلندر ۱۰
0290	Cylinder 10	سیلندر ۱۰
0291	Cylinder 11 Injector Circuit	انژکتور سیلندر ۱۱
0292	Cylinder 11 Injector Circuit	انژکتور سیلندر ۱۱
0293	Cylinder 11	سیلندر ۱۱
0294	Cylinder 12 Injector Circuit	انژکتور سیلندر ۱۲
0295	Cylinder 12 Injector Circuit	انژکتور سیلندر ۱۲
0296	Cylinder 12	سیلندر ۱۲
0297	Vehicle Overspeed Condition	سرعت بالای خودرو
0298	Eng Oil Overtemp Condition	دمای بالای روغن
0299	T/Super Charger Underboost	تضعیف خیلی زیاد توربوشارژر
0300	Random/Multiple Cylinder Misfire Detected	دمای احتراق در یک یا چند سیلندر موتور
0301	Cylinder 1 Misfire Detected	عدم احتراق در سیلندر ۱

PCode	Description	شرح خطا
0302	Cylinder 2 Misfire Detected	عدم احتراق در سیلندر ۲
0303	Cylinder 3 Misfire Detected	عدم احتراق در سیلندر ۳
0304	Cylinder 4 Misfire Detected	عدم احتراق در سیلندر ۴
0305	Cylinder 5 Misfire Detected	عدم احتراق در سیلندر ۵
0306	Cylinder 6 Misfire Detected	عدم احتراق در سیلندر ۶
0307	Cylinder 7 Misfire Detected	عدم احتراق در سیلندر ۷
0308	Cylinder 8 Misfire Detected	عدم احتراق در سیلندر ۸
0309	Cylinder 9 Misfire Detected	عدم احتراق در سیلندر ۹
0310	Cylinder 10 Misfire Detected	عدم احتراق در سیلندر ۱۰
0311	Cylinder 11 Misfire Detected	عدم احتراق در سیلندر ۱۱
0312	Cylinder 12 Misfire Detected	عدم احتراق در سیلندر ۱۲
0313	Misfire Detected with Low Fuel	عدم احتراق به دلیل سوخت کم
0314	1 Cylinder Misfire (Cylinder not specific)	عدم احتراق یک سیلندر (سیلندر نامشخص)

PCode	Description	شرح خطا
0315	Crankshaft Position System Variation Not Learned	عدم تعریف سیستم موقعیت میل لنگ
0316	Engine Misfire Detected on Startup (First 1000 Revs)	عدم احتراق در زمان روشن کردن موتور
0317	Rough Road Hardware Not Present	عدم وجود سخت افزار جاده ناهموار
0318	Rough Road Sens A Signal Circ	سنسور اول جاده ناهموار
0319	Rough Road Sens B	سنسور دوم جاده ناهموار
0320	Ignition/ Distributor Engine Speed Input Circuit	ورودی دور موتور از سیستم جرقه زن / دلکو
0321	Ignition/ Distributor Engine Speed Input Circuit	ورودی دور موتور از سیستم جرقه زن / دلکو
0322	Ignition/ Distributor Engine Speed Input Circ	ورودی دور موتور از سیستم جرقه زن / دلکو
0323	Ignition/ Distributor Engine Speed Input Circ	ورودی دور موتور از سیستم جرقه زن / دلکو
0324	Knock Ctrl System	سنسور کنترل ضربه

PCode	Description	شرح خطا
0325	Knock Sensor 1 Circ	سنسور اول ضربه
0326	Knock Sensor 1 Circ	سنسور اول ضربه
0327	Knock Sensor 1 Circ	سنسور اول ضربه
0328	Knock Sensor 1 Circ	سنسور اول ضربه
0329	Knock Sensor 1 Circ	سنسور اول ضربه
0330	Knock Sensor 2 Circ B2	سنسور دوم ضربه
0331	Knock Sensor 2 Circ B2	سنسور دوم ضربه
0332	Knock Sensor 2 Circ B2	سنسور دوم ضربه
0333	Knock Sensor 2 Circ B2	سنسور دوم ضربه
0334	Knock Sensor 2 Circ B2	سنسور دوم ضربه
0335	Crankshaft Position Sensor A Circ	سنسور اول دور موتور
0336	Crankshaft Position Sensor A Circ	سنسور اول دور موتور
0337	Crankshaft Position Sensor A Circ	سنسور اول دور موتور
0338	Crankshaft Position Sensor A Circ	سنسور اول دور موتور

PCode	Description	شرح خطا
0339	Crankshaft Position Sensor A Circ	سنسور اول دور موتور
0340	Camshaft Position Sensor Circ	سنسور موقعیت میل بادامک
0341	Camshaft Position Sensor Circ	سنسور موقعیت میل بادامک
0342	Camshaft Position Sensor Circ	سنسور موقعیت میل بادامک
0343	Camshaft Position Sensor Circ	سنسور موقعیت میل بادامک
0344	Camshaft Position Sensor Circ	سنسور موقعیت میل بادامک
0345	Camshaft Position Sensor Circ B2	سنسور دوم موقعیت میل بادامک
0346	Camshaft Position Sensor Circ B2	سنسور دوم موقعیت میل بادامک
0347	Camshaft Position Sensor Circ B2	سنسور دوم موقعیت میل بادامک
0348	Camshaft Position Sensor Circ B2	سنسور دوم موقعیت میل بادامک
0349	Camshaft Position Sensor Circ B2	سنسور دوم موقعیت میل بادامک
0350	Ignition Coil Primary/ Secondary Circ	کوئل
0351	Ignition Coil A Primary/ Secondary Circ	کوئل ۱
0352	Ignition Coil B Primary/ Secondary Circ	کوئل ۲

PCode	Description	شرح خطا
0353	Ignition Coil C Primary/ Secondary Circ	کوئل ۳
0354	Ignition Coil D Primary/ Secondary Circ	کوئل ۴
0355	Ignition Coil E Primary/ Secondary Circ	کوئل ۵
0356	Ignition Coil F Primary/ Secondary Circ	کوئل ۶
0357	Ignition Coil G Primary/ Secondary Circ	کوئل ۷
0358	Ignition Coil H Primary/ Secondary Circ	کوئل ۸
0359	Ignition Coil I Primary/ Secondary Circ	کوئل ۹
0360	Ignition Coil J Primary/ Secondary Circ	کوئل ۱۰
0361	Ignition Coil K Primary/ Secondary Circ	کوئل ۱۱
0362	Ignition Coil L Primary/ Secondary Circ	کوئل ۱۲
0363	Misfire Detected - Fueling Disabled	عدم احتراق، قطع سوخت گیری
0365	Crankshaft Position Sensor B Circ	سنسور دوم دور موتور
0366	Crankshaft Position Sensor B Circ	سنسور دوم دور موتور

PCode	Description	شرح خطا
0367	Crankshaft Position Sensor B Circ	سنسور دوم دور موتور
0368	Crankshaft Position Sensor B Circ	سنسور دوم دور موتور
0369	Crankshaft Position Sensor B Circ	سنسور دوم دور موتور
0370	Timing Reference High Resolution Signal A	سیگنال اول با دقت زیاد بر مبنای زمان بندی
0371	Timing Reference High Resolution Signal A	سیگنال اول با دقت زیاد بر مبنای زمان بندی
0372	Timing Reference High Resolution Signal A	سیگنال اول با دقت زیاد بر مبنای زمان بندی
0373	Timing Reference High Resolution Signal A	سیگنال اول با دقت زیاد بر مبنای زمان بندی
0374	Timing Reference High Resolution Signal A	سیگنال اول با دقت زیاد بر مبنای زمان بندی
0375	Timing Reference High Resolution Signal B	سیگنال دوم با دقت زیاد بر مبنای زمان بندی

PCode	Description	شرح خطا
0376	Timing Reference High Resolution Signal B	سیگنال دوم با دقت زیاد بر مبنای زمان بندی
0377	Timing Reference High Resolution Signal B	سیگنال دوم با دقت زیاد بر مبنای زمان بندی
0378	Timing Reference High Resolution Signal B	سیگنال دوم با دقت زیاد بر مبنای زمان بندی
0379	Timing Reference High Resolution Signal B	سیگنال دوم با دقت زیاد بر مبنای زمان بندی
0380	Glow Plug/ Heater Circ A	گرمکن محفظه احتراق ۱
0381	Glow Plug/ Heater Indicator Circ	نشانگر گرمکن محفظه احتراق
0382	Glow Plug/ Heater Circ B	گرمکن محفظه احتراق ۲
0383	Glow control relay actuator	رله گرمکن محفظه احتراق
0384	Glow control relay actuator	رله گرمکن محفظه احتراق
0385	Crankshaft Position Sensor B Circ	سنسور دوم دور موتور
0386	Crankshaft Position Sensor B Circ	سنسور دوم دور موتور

PCode	Description	شرح خطا
0387	Crankshaft Position Sensor B Circ	سنسور دوم دور موتور
0388	Crankshaft Position Sensor B Circ	سنسور دوم دور موتور
0389	Crankshaft Position Sensor B Circ	سنسور دوم دور موتور
0390	Crankshaft Position Sensor B Circ B2	سنسور دوم دور موتور بانک ۲
0391	Crankshaft Position Sensor B Circ B2	سنسور دوم دور موتور بانک ۲
0392	Crankshaft Position Sensor B Circ B2	سنسور دوم دور موتور بانک ۲
0393	Crankshaft Position Sensor B Circ B2	سنسور دوم دور موتور بانک ۲
0394	Crankshaft Position Sensor B Circ B2	سنسور دوم دور موتور بانک ۲
0400	Exhaust Gas Recirculation Flow	سیستم ای جی آر
0401	Exhaust Gas Recirculation Flow	سیستم ای جی آر
0402	Exhaust Gas Recirculation Flow	سیستم ای جی آر
0403	Exhaust Gas Recirculation Circ	شیربرقی ای جی آر
0404	Exhaust Gas Recirculation Circ	شیربرقی ای جی آر
0405	Exhaust Gas Recirculation Sensor A Circ	سنسور اول سیستم ای جی آر

PCode	Description	شرح خطا
0406	Exhaust Gas Recirculation Sensor A Circ	سنسور اول سيستم ای جي آر
0407	Exhaust Gas Recirculation Sensor B Circ	سنسور دوم سيستم ای جي آر
0408	Exhaust Gas Recirculation Sensor B Circ	سنسور دوم سيستم ای جي آر
0409	Exhaust Gas Recirculation Sensor A Circ	سنسور اول سيستم ای جي آر
0410	Secondary Air Injection System	سيستم ثانويه تزریق هوا
0411	Secondary Air Injection System	سيستم ثانويه تزریق هوا
0412	Secondary Air Injection System Switching Valve A Circ	شیربرقی اول سيستم ثانويه تزریق هوا
0413	Secondary Air Injection System Switching Valve A Circ	شیربرقی اول سيستم ثانويه تزریق هوا
0414	Secondary Air Injection System Switching Valve A Circ	شیربرقی اول سيستم ثانويه تزریق هوا
0415	Secondary Air Injection System Switching Valve B Circ	شیربرقی دوم سيستم ثانويه تزریق هوا
0416	Secondary Air Injection System Switching Valve B Circ	شیربرقی دوم سيستم ثانويه تزریق هوا
0417	Secondary Air Injection System Switching Valve B Circ	شیربرقی دوم سيستم ثانويه تزریق هوا

PCode	Description	شرح خطا
0418	Secondary Air Injection System Relay "A" Circ	رله اول سیستم ثانویه تزریق هوا
0419	Secondary Air Injection System Relay "B" Circ	رله دوم سیستم ثانویه تزریق هوا
0420	Catalyst System Efficiency B1	بازده سیستم کاتالیست (بانک ۱)
0421	Warm Up Catalyst Efficiency B1	بازده کاتالیست راه انداز (بانک ۱)
0422	Main Catalyst Efficiency B1	بازده کاتالیست اصلی (بانک ۱)
0423	Heated Catalyst Efficiency B1	بازده کاتالیست گرم شده (بانک ۱)
0424	Heated Catalyst Temp B1	دمای کاتالیست گرم شده (بانک ۱)
0425	Catalyst Temp Sensor B1	سنسور دمای کاتالیست (بانک ۱)
0426	Catalyst Temp Sensor B1	سنسور دمای کاتالیست (بانک ۱)
0427	Catalyst Temp Sensor B1	سنسور دمای کاتالیست (بانک ۱)
0428	Catalyst Temp Sensor B1	سنسور دمای کاتالیست (بانک ۱)
0429	Catalyst Heater Ctrl Circ B1	مدار کنترل گرمکن کاتالیست (بانک ۱)
0430	Catalyst System Efficiency B2	بازده سیستم کاتالیست (بانک ۲)
0431	Warm Up Catalyst Efficiency B2	بازده کاتالیست راه انداز (بانک ۲)

PCode	Description	شرح خطا
0432	Main Catalyst Efficiency B2	بازده کاتالیست اصلی (بانک ۲)
0433	Heated Catalyst Efficiency B2	بازده کاتالیست گرم شده (بانک ۲)
0434	Heated Catalyst Temp B2	دمای کاتالیست گرم شده (بانک ۲)
0435	Catalyst Temp Sensor B2	سنسور دمای کاتالیست (بانک ۲)
0436	Catalyst Temp Sensor B2	سنسور دمای کاتالیست (بانک ۲)
0437	Catalyst Temp Sensor B2	سنسور دمای کاتالیست (بانک ۲)
0438	Catalyst Temp Sensor B2	سنسور دمای کاتالیست (بانک ۲)
0439	Catalyst Heater Ctrl Circ B2	مدار کنترل گرمکن کاتالیست (بانک ۲)
0440	Evaporative Emission Ctrl System	سیستم کنترل بخار سوخت (کنیستر)
0441	Evaporative Emission Ctrl System	سیستم کنترل بخار سوخت (کنیستر)
0442	Evaporative Emission Ctrl System	سیستم کنترل بخار سوخت (کنیستر)
0443	Evaporative Emission Ctrl System Purge Ctrl Valve Circ	سیستم کنترل بخار سوخت (کنیستر)
0444	Evaporative Emission Ctrl System Purge Ctrl Valve Circ	سیستم کنترل بخار سوخت (کنیستر)
0445	Evaporative Emission Ctrl System Purge Ctrl Valve Circ	سیستم کنترل بخار سوخت (کنیستر)

PCode	Description	شرح خطا
0446	Evaporative Emission Ctrl System Vent Ctrl Circ	مدار تخلیه سیستم کنترل بخار سوخت
0447	Evaporative Emission Ctrl System Vent Ctrl Circ	مدار تخلیه سیستم کنترل بخار سوخت
0448	Evaporative Emission Ctrl System Vent Ctrl Circ	مدار تخلیه سیستم کنترل بخار سوخت
0449	Evaporative Emission Ctrl System Vent Valve/ Solenoid Circ	سولونوئید یا شیر برقی تخلیه سیستم کنترل بخار سوخت
0450	Evaporative Emission Ctrl System Pressure Sensor	سنسور فشار سیستم کنترل بخار سوخت
0451	Evaporative Emission Ctrl System Pressure Sensor	سنسور فشار سیستم کنترل بخار سوخت
0452	Evaporative Emission Ctrl System Pressure Sensor	سنسور فشار سیستم کنترل بخار سوخت
0453	Evaporative Emission Ctrl System Pressure Sensor	سنسور فشار سیستم کنترل بخار سوخت
0454	Evaporative Emission Ctrl System Pressure Sensor	سنسور فشار سیستم کنترل بخار سوخت

PCode	Description	شرح خطا
0455	Evaporative Emission Ctrl System	سیستم کنترل بخار سوخت
0456	Evaporative Emission Ctrl System	سیستم کنترل بخار سوخت
0457	Evaporative Emission Ctrl System (Fuel Cap Loose/ Off)	سیستم کنترل بخار سوخت، وجود نشستی (در باک شل یا باز است)
0458	Evaporative Emission System Purge Ctrl Valve	شیربرقی کنترل خروجی بخار سوخت
0459	Evaporative Emission System Purge Ctrl Valve	شیربرقی کنترل خروجی بخار سوخت
0460	Fuel Tank Level Indicator	نشانگر مقدار سوخت باک
0461	Fuel Level Sensor Circ	سنسور سطح سوخت
0462	Fuel Level Sensor Circ	سنسور سطح سوخت
0463	Fuel Level Sensor Circ	سنسور سطح سوخت
0464	Fuel Level Sensor Circ	سنسور سطح سوخت
0465	Purge Flow Sensor Circ	سنسور کنیستر
0466	Purge Flow Sensor Circ	سنسور کنیستر
0467	Purge Flow Sensor Circ	سنسور کنیستر

PCode	Description	شرح خطا
0468	Purge Flow Sensor Circ	سنسور کنیستر
0469	Purge Flow Sensor Circ	سنسور کنیستر
0470	Exhaust Pressure Sensor	سنسور فشار گازهای خروجی
0471	Exhaust Pressure Sensor	سنسور فشار گازهای خروجی
0472	Exhaust Pressure Sensor	سنسور فشار گازهای خروجی
0473	Exhaust Pressure Sensor	سنسور فشار گازهای خروجی
0474	Exhaust Pressure Sensor	سنسور فشار گازهای خروجی
0475	Exhaust Pressure Ctrl Valve	شیربرقی کنترل فشار گازهای خروجی
0476	Exhaust Pressure Ctrl Valve	شیربرقی کنترل فشار گازهای خروجی
0477	Exhaust Pressure Ctrl Valve	شیربرقی کنترل فشار گازهای خروجی
0478	Exhaust Pressure Ctrl Valve	شیربرقی کنترل فشار گازهای خروجی
0479	Exhaust Pressure Ctrl Valve	شیربرقی کنترل فشار گازهای خروجی
0480	Cooling Fan 1 Ctrl Circ	رله فن ۱
0481	Cooling Fan 2 Ctrl Circ	رله فن ۲

PCode	Description	شرح خطا
0482	Cooling Fan 3 Ctrl Circ	رله فن ۳
0483	Cooling Fan Rationality Check	تست عملکرد فن خنک کننده
0484	Cooling Fan Circ	مدار فن خنک کننده
0485	Cooling Fan Power/ Ground Circ	موتور فن
0486	EGR Sensor B Circ	سنسور دوم سیستم ای جی آر
0487	EGR Throttle Position Ctrl Circ	مدار کنترل موقعیت دریچه ای جی آر
0488	EGR Throttle Position Ctrl Circ	مدار کنترل موقعیت دریچه ای جی آر
0489	EGR Throttle Ctrl Circ	مدار کنترل ای جی آر
0490	EGR Throttle Ctrl Circ	مدار کنترل ای جی آر
0491	Secondary Air Injection System B1	سیستم ثانویه تزریق هوا (بانک ۱)
0492	Secondary Air Injection System B2	سیستم ثانویه تزریق هوا (بانک ۲)
0493	Fan Overspeed	سرعت بیش از حد فن
0494	Fan Speed Low	سرعت کم فن
0495	Fan Speed High	سرعت زیاد فن

PCode	Description	شرح خطا
0496	Evaporative Emission System High Purge Flow	شیربرقی کنیستر
0497	Evaporative Emission System Low Purge Flow	شیربرقی کنیستر ۲
0500	Vehicle Speed Sensor (VSS)	سنسور سرعت خودرو
0501	Vehicle Speed Sensor	سنسور سرعت خودرو
0502	Vehicle Speed Sensor	سنسور سرعت خودرو
0503	Vehicle Speed Sensor	سنسور سرعت خودرو
0504	Brake Switch A/B Correlation	تطابق سوئیچ ۱ و ۲ ترمز
0505	Idle Ctrl System	شیربرقی دور آرام (با موتور پله ای)
0506	Idle Ctrl System RPM	مقدار دور موتور در موتور پله ای
0507	Idle Ctrl System RPM	مقدار دور موتور در موتور پله ای
0508	Idle Ctrl System	شیربرقی دور آرام (با موتور پله ای)
0509	Idle Ctrl System	شیربرقی دور آرام (با موتور پله ای)
0510	Closed Throttle Position Switch	میکروسوئیچ بسته بودن دریچه گاز
0511	Idle Air Ctrl Circ	مدار کنترل هوای دور آرام

PCode	Description	شرح خطا
0512	Starter Request Circ	مدار درخواست استارت
0513	Incorrect Immobilizer Key	کد امنیتی نادرست
0514	Battery Temp Sensor Circ	سنسور دمای باتری
0515	Battery Temp Sensor Circ	سنسور دمای باتری
0516	Battery Temp Sensor Circ	سنسور دمای باتری
0517	Battery Temp Sensor Circ	سنسور دمای باتری
0518	Idle Air Ctrl Circ	مدار کنترل هوای دور آرام
0519	Idle Air Ctrl Circ	مدار کنترل هوای دور آرام
0520	Engine Oil Pressure Sensor/ Switch Circ	فشنگی روغن
0521	Engine Oil Pressure Sensor/ Switch Circ	فشنگی روغن
0522	Engine Oil Pressure Sensor/ Switch Circ	فشنگی روغن
0523	Engine Oil Pressure Sensor/ Switch Circ	فشنگی روغن
0524	Engine Oil Pressure	فشار روغن موتور
0525	Cruise Ctrl Servo Ctrl Circ	مدار کنترل کروز

PCode	Description	شرح خطا
0526	Fan Speed Sensor Circ	سنسور سرعت فن
0527	Fan Speed Sensor Circ	سنسور سرعت فن
0528	Fan Speed Sensor Circ	سنسور سرعت فن
0529	Fan Speed Sensor Circ	سنسور سرعت فن
0530	A/C Refrigerant Pressure Sensor Circ	سنسور فشار گاز کولر
0531	A/C Refrigerant Pressure Sensor Circ	سنسور فشار گاز کولر
0532	A/C Refrigerant Pressure Sensor Circ	سنسور فشار گاز کولر
0533	A/C Refrigerant Pressure Sensor Circ	سنسور فشار گاز کولر
0534	Air Conditioner Refrigerant Charge	مقدار شارژ گاز کولر
0535	A/C Evaporator Temp Sensor Circ	سنسور دمای رادیاتور کولر
0536	A/C Evaporator Temp Sensor Circ	سنسور دمای رادیاتور کولر
0537	A/C Evaporator Temp Sensor Circ	سنسور دمای رادیاتور کولر
0538	A/C Evaporator Temp Sensor Circ	سنسور دمای رادیاتور کولر
0539	A/C Evaporator Temp Sensor Circ	سنسور دمای رادیاتور کولر

PCode	Description	شرح خطا
0540	Manifold Intake Air Heater Circ	مدار گرمکن هوای ورودی به منیفولد
0541	Manifold Intake Air Heater Circ	مدار گرمکن هوای ورودی به منیفولد
0542	Manifold Intake Air Heater Circ	مدار گرمکن هوای ورودی به منیفولد
0543	Manifold Intake Air Heater Circ	مدار گرمکن هوای ورودی به منیفولد
0544	EGT Sensor Circ B1	مدار سنسور دمای گاز خروجی موتور (بانک ۱)
0545	EGT Sensor Circ B1	مدار سنسور دمای گاز خروجی موتور (بانک ۱)
0546	EGT Sensor Circ B1	مدار سنسور دمای گاز خروجی موتور (بانک ۱)
0547	EGT Sensor Circ B2	مدار سنسور دمای گاز خروجی موتور (بانک ۲)
0548	EGT Sensor Circ B2	مدار سنسور دمای گاز خروجی موتور (بانک ۲)
0549	EGT Sensor Circ B2	مدار سنسور دمای گاز خروجی موتور (بانک ۲)

PCode	Description	شرح خطا
0550	Power Steering Pressure Sensor Circ	سنسور فشار سیستم فرمان هیدرولیک
0551	Power Steering Pressure Sensor Circ	سنسور فشار سیستم فرمان هیدرولیک
0552	Power Steering Pressure Sensor Circ	سنسور فشار سیستم فرمان هیدرولیک
0553	Power Steering Pressure Sensor Circ	سنسور فشار سیستم فرمان هیدرولیک
0554	Power Steering Pressure Sensor Circ	سنسور فشار سیستم فرمان هیدرولیک
0555	Brake Booster Pressure Sensor Circ	سنسور فشار بوستر ترمز
0556	Brake Booster Pressure Sensor Circ	سنسور فشار بوستر ترمز
0557	Brake Booster Pressure Sensor Circ	سنسور فشار بوستر ترمز
0558	Brake Booster Pressure Sensor Circ	سنسور فشار بوستر ترمز
0559	Brake Booster Pressure Sensor Circ	سنسور فشار بوستر ترمز
0560	Main relay	رله اصلی
0561	System Voltage	ولتاژ اصلی سیستم
0562	System Voltage	ولتاژ اصلی سیستم
0563	System Voltage	ولتاژ اصلی سیستم

PCode	Description	شرح خطا
0564	Cruise Ctrl Multi-Function Input Signal	سیگنال ورودی سیستم کروز
0565	Cruise Ctrl On Signal	سیگنال نشان دهنده روشن بودن سیستم کروز
0566	Cruise Ctrl Off Signal	سیگنال نشان دهنده خاموش بودن سیستم کروز
0567	Cruise Ctrl Resume Signal	سیگنال نشان دهنده وضعیت سیستم کروز
0568	Cruise Ctrl Set Signal	سیگنال تنظیم سیستم کروز
0569	Cruise Ctrl Coast Signal	سیگنال وضعیت دنده خلاص سیستم کروز
0570	Cruise Ctrl Accel Signal	سیگنال وضعیت شتاب سیستم کروز
0571	Cruise Ctrl/ Brake Switch A Circ	سوئیچ ترمز/ کنترل سیستم کروز
0572	Cruise Ctrl/ Brake Switch A Circ	سوئیچ ترمز/ کنترل سیستم کروز
0573	Cruise Ctrl/ Brake Switch A Circ	سوئیچ ترمز/ کنترل سیستم کروز
0574	Cruise Ctrl System Vehicle Speed	خطای سیستم کروز

PCode	Description	شرح خطا
0575	Cruise Ctrl Input Circ	ورودی سیستم کروز
0576	Cruise Ctrl Input Circ	ورودی سیستم کروز
0577	Cruise Ctrl Input Circ	ورودی سیستم کروز
0578	Cruise Ctrl Multi-Function Input A Circ	ورودی سیستم کروز
0579	Cruise Ctrl Multi-Function Input A Circ	ورودی سیستم کروز
0580	Cruise Ctrl Multi-Function Input A Circ	ورودی سیستم کروز
0581	Cruise Ctrl Multi-Function Input A Circ	ورودی سیستم کروز
0582	Cruise Ctrl Vacuum Ctrl Circ	مدار کنترل خلا کروز کنترل
0583	Cruise Ctrl Vacuum Ctrl Circ	مدار کنترل خلا کروز کنترل
0584	Cruise Ctrl Vacuum Ctrl Circ	مدار کنترل خلا کروز کنترل
0585	Cruise Ctrl Multi-Function Input A/B Correlation	ورودی کروز کنترل
0586	Cruise Ctrl Vent Ctrl	کنترل کننده هواکش سیستم کروز
0587	Cruise Ctrl Vent Ctrl	کنترل کننده هواکش سیستم کروز

PCode	Description	شرح خطا
0588	Cruise Ctrl Vent Ctrl	کنترل کننده هواکش سیستم کروز
0589	Cruise Ctrl Multi-Function Input B Circ	ورودی دوم سیستم کروز
0590	Cruise Ctrl Multi-Function Input B Circ	ورودی دوم سیستم کروز
0591	Cruise Ctrl Multi-Function Input B Circ	ورودی دوم سیستم کروز
0592	Cruise Ctrl Multi-Function Input B Circ	ورودی دوم سیستم کروز
0593	Cruise Ctrl Multi-Function Input B Circ	ورودی دوم سیستم کروز
0594	Cruise Ctrl Servo Ctrl Circ	مدار کنترل کروز
0595	Cruise Ctrl Servo Ctrl Circ	مدار کنترل کروز
0596	Cruise Ctrl Servo Ctrl Circ	مدار کنترل کروز
0597	Thermostat Heater Ctrl Circ	مدار کنترل گرمکن ترموستات
0598	Thermostat Heater Ctrl Circ	مدار کنترل گرمکن ترموستات
0599	Thermostat Heater Ctrl Circ	مدار کنترل گرمکن ترموستات
0600	Serial Communication Link	خطا ارتباط سریال

PCode	Description	شرح خطا
0601	Internal Ctrl Module Memory Checksum Error	خطا در حافظه واحد کنترل
0602	Ctrl Module Programming Error	خطای برنامه ریزی واحد کنترل
0603	Internal Ctrl Module Keep Alive Memory (KAM) Error	خطای داخلی در KAM واحد کنترل حافظه
0604	Internal Ctrl Module Random Access Memory (RAM) Error	خطای داخلی در RAM واحد کنترل حافظه
0605	Internal Ctrl Module Read Only Memory (ROM) Error	خطای داخلی در ROM واحد کنترل حافظه
0606	PCM Processor Fault	خطای پردازش در واحد کنترل انتقال توان
0607	Powertrain Ctrl Module	واحد کنترل انتقال توان
0608	Powertrain Ctrl Module VSS Output "A"	تغذیه اول سنسور کیلومتر
0609	Powertrain Ctrl Module VSS Output "B"	تغذیه اول سنسور کیلومتر
0610	Powertrain Ctrl Module - Vehicle Options Error	واحد کنترل انتقال توان - خطای گزینه های خودرو

PCode	Description	شرح خطا
0611	Fuel Injector Ctrl Module	واحد کنترل انژکتور
0612	Fuel Injector Ctrl Module Ctrl Circ	مدار کنترلی واحد کنترل انژکتور
0613	TCM Processor	خطای پردازش در واحد کنترل TCM
0614	ECM / TCM Incompatible	ناسازگاری ECM و TCM
0615	Starter Relay Circ	مدار رله استارتر
0616	Starter Relay Circ	مدار رله استارتر
0617	Starter Relay Circ	مدار رله استارتر
0618	Alternative Fuel Ctrl Module KAM Error	خطای در KAM مدار جایگزین کنترل حافظه سوخت
0619	Alternative Fuel Ctrl Module RAM/ ROM Error	خطا در RAM یا ROM مدار جایگزین حافظه کنترل سوخت
0620	Generator Ctrl Circ	کنترل کننده دینام
0621	Generator Lamp "L" Ctrl Circ	کنترل کننده چراغ دینام

PCode	Description	شرح خطا
0622	Generator Field "F" Ctrl Circ	کنترل کننده روتور دینام
0623	Generator Lamp Ctrl Circ	کنترل کننده چراغ دینام
0624	Fuel Cap Lamp Ctrl Circ	کنترل کننده چراغ درب باک
0625	Generator Field/ F Terminal	ترمینال روتور دینام
0626	Generator Field/ F Terminal	ترمینال روتور دینام
0627	Fuel Pump A Ctrl Circ	مدار کنترل اول پمپ سوخت
0628	Fuel Pump A Ctrl Circ	مدار کنترل اول پمپ سوخت
0629	Fuel Pump A Ctrl Circ	مدار کنترل اول پمپ سوخت
0630	VIN Not Programmed/ Mismatch - ECM/PCM	شماره شناسایی خودرو غلط است یا در ECM یا PCM ناصحیح برنامه ریزی شده است .
0631	VIN Not Programmed/ Mismatch - TCM	شماره شناسایی خودرو غلط است یا در TCM ناصحیح برنامه ریزی شده است.
0632	Odometer Not Programmed - ECM/PCM	کیلومتر شمار در ECM یا PCM برنامه ریزی نشده است.

PCode	Description	شرح خطا
0633	Immobilizer Key Not Programmed - ECM/PCM	کد امنیتی در ECM یا PCM برنامه ریزی نشده است
0634	PCM/ECM/ TCM Internal Temp	دمای داخلی PCM یا ECM یا TCM
0635	Power Steering Ctrl Circ	مدار کنترل فرمان هیدرولیک
0636	Power Steering Ctrl Circ	مدار کنترل فرمان هیدرولیک
0637	Power Steering Ctrl Circ	مدار کنترل فرمان هیدرولیک
0638	Throttle Actuator Ctrl B1	مدار کنترل اول عملگر دریچه گاز
0639	Throttle Actuator Ctrl B2	مدار کنترل دوم عملگر دریچه گاز
0640	Manifold Intake Air Heater Ctrl Circ	کنترل کننده گرمکن هوای ورودی به منیفولد
0641	Sensor Reference Voltage A Circ	ولتاژ مرجع اول سنسور
0642	Sensor Reference Voltage A Circ	ولتاژ مرجع اول سنسور
0643	Sensor Reference Voltage A Circ	ولتاژ مرجع اول سنسور
0644	Driver Display Serial Communication Circ	ارتباط سریال نمایشگر راننده
0645	A/C Clutch Relay Ctrl Circ	رله کولر

PCode	Description	شرح خطا
0646	A/C Clutch Relay Ctrl Circ	رله کولر
0647	A/C Clutch Relay Ctrl Circ	رله کولر
0648	Immobilizer Lamp Ctrl Circ	کنترل کننده چراغ ایموبیلايزر
0649	Cruise Ctrl Lamp Ctrl Circ	کنترل کننده چراغ کروز کنترل
0650	Malfunction Indicator Lamp (MIL) Ctrl Circ	کنترل کننده لامپ عیب ياب
0651	Sensor Reference Voltage B Circ	ولتاژ مرجع دوم سنسور
0652	Sensor Reference Voltage B Circ	ولتاژ مرجع دوم سنسور
0653	Sensor Reference Voltage B Circ	ولتاژ مرجع دوم سنسور
0654	Engine RPM Output Circ	خروجی دور موتور
0655	Engine Hot Lamp Output Ctrl Circ	چراغ هشدار دمای آب
0656	Fuel Level Output Circ	خروجی مقدار سوخت
0657	Actuator Supply Voltage A Circ	ولتاژ اول تغذيه عملگر
0658	Actuator Supply Voltage A Circ	ولتاژ اول تغذيه عملگر
0659	Actuator Supply Voltage A Circ	ولتاژ اول تغذيه عملگر

PCode	Description	شرح خطا
0660	Intake Manifold Tuning Valve Ctrl Circ	کنترل کننده شیربرقی تنظیم ورودی منیفولد (بانک ۱)
0661	Intake Manifold Tuning Valve Ctrl Circ	کنترل کننده شیربرقی تنظیم ورودی منیفولد (بانک ۱)
0662	Intake Manifold Tuning Valve Ctrl Circ	کنترل کننده شیربرقی تنظیم ورودی منیفولد (بانک ۱)
0663	Intake Manifold Tuning Valve Ctrl Circ B2	کنترل کننده شیربرقی تنظیم ورودی منیفولد (بانک ۲)
0664	Intake Manifold Tuning Valve Ctrl Circ B2	کنترل کننده شیربرقی تنظیم ورودی منیفولد (بانک ۲)
0665	Intake Manifold Tuning Valve Ctrl Circ B2	کنترل کننده شیربرقی تنظیم ورودی منیفولد (بانک ۲)
0666	Cruise On Signal	سیگنال روشن بودن کروز
0667	Cruise 'Resume' Signal	سیگنال وضعیت کروز
0668	Cruise 'Set' Signal	سیگنال تنظیم کروز
0669	Cruise 'Coast' Signal	سیگنال وضعیت دنده خلاص کروز

PCode	Description	شرح خطا
0670	Glow plug Ctrl Circuit	کنترل کننده گرمکن محفظه احتراق
0671	Glow plug #1 Ctrl failure	نقص مدار گرمکن محفظه احتراق ۱
0672	Glow plug #2 Ctrl failure	نقص مدار گرمکن محفظه احتراق ۲
0673	Glow plug #3 Ctrl failure	نقص مدار گرمکن محفظه احتراق ۳
0674	Glow plug #4 Ctrl failure	نقص مدار گرمکن محفظه احتراق ۴
0675	Glow plug #5 Ctrl failure	نقص مدار گرمکن محفظه احتراق ۵
0676	Glow plug #6 Ctrl failure	نقص مدار گرمکن محفظه احتراق ۶
0677	Glow plug #7 Ctrl failure	نقص مدار گرمکن محفظه احتراق ۷
0678	Glow plug #8 Ctrl failure	نقص مدار گرمکن محفظه احتراق ۸
0679	Reserve for future glow plug #9	مدار گرمکن محفظه احتراق ۹ رزرو شده برای آینده
0680	Reserve for future glow plug #10	مدار گرمکن محفظه احتراق ۱۰ رزرو شده برای آینده
0681	Reserve for future glow plug #11	مدار گرمکن محفظه احتراق ۱۱ رزرو شده برای آینده

PCode	Description	شرح خطا
0682	Reserve for future glow plug #12	مدار گرمکن محفظه احتراق ۱۲ رزرو شده برای آینده
0683	Glow Plug Ctrl Module to PCM Communication Circ	مدار ارتباط PCM به واحد کنترل گرمکن محفظه احتراق
0684	Glow Plug Ctrl Module to PCM Communication Circ	مدار ارتباط PCM به واحد کنترل گرمکن محفظه احتراق
0685	ECM/ PCM Power Relay Ctrl Circ	کنترل کننده رله تغذیه ECM/ PCM
0686	ECM/ PCM Power Relay Ctrl Circ	کنترل کننده رله تغذیه ECM/ PCM
0687	ECM/ PCM Power Relay Ctrl Circ	کنترل کننده رله تغذیه ECM/ PCM
0688	ECM/ PCM Power Relay Sense Circ	مدار سنسور رله تغذیه ECM/ PCM
0689	ECM/ PCM Power Relay Sense Circ	مدار سنسور رله تغذیه ECM/ PCM
0690	ECM/ PCM Power Relay Sense Circ	مدار سنسور رله تغذیه ECM/ PCM
0691	Fan 1 Ctrl Circ	کنترل کننده فن ۱
0692	Fan 1 Ctrl Circ	کنترل کننده فن ۱
0693	Fan 2 Ctrl Circ	کنترل کننده فن ۲

PCode	Description	شرح خطا
0694	Fan 2 Ctrl Circ	کنترل کننده فن ۲
0695	Fan 3 Ctrl Circ	کنترل کننده فن ۳
0696	Fan 3 Ctrl Circ	کنترل کننده فن ۳
0697	Sens Reference Voltage C Circ	ولتاژ مرجع سوم سنسور
0698	Sens Reference Voltage C Circ	ولتاژ مرجع سوم سنسور
0699	Sens Reference Voltage C Circ	ولتاژ مرجع سوم سنسور
0700	Transmission Ctrl System	کنترل کننده گیربکس
0701	Transmission Ctrl System	کنترل کننده گیربکس
0702	Transmission Ctrl System	کنترل کننده گیربکس
0703	Brake Switch B Circ	سوئیچ دوم ترمز
0704	Clutch Pedal Position Switch Input Circ	میکروسوئیچ موقعیت پدال کلاچ
0705	Transmission Range Sensor Circ (PRNDL Input)	سنسور Range گیربکس
0706	Transmission Range Sensor Circ (PRNDL Input)	سنسور Range گیربکس

PCode	Description	شرح خطا
0707	Transmission Range Sensor Circ (PRNDL Input)	سنسور Range گیربکس
0708	Transmission Range Sensor Circ (PRNDL Input)	سنسور Range گیربکس
0709	Transmission Range Sensor Circ (PRNDL Input)	سنسور Range گیربکس
0710	Transmission Fluid Temp Sensor Circ	سنسور دمای روغن گیربکس
0711	Transmission Fluid Temp Sensor Circ	سنسور دمای روغن گیربکس
0712	Transmission Fluid Temp Sensor Circ	سنسور دمای روغن گیربکس
0713	Transmission Fluid Temp Sensor Circ	سنسور دمای روغن گیربکس
0714	Transmission Fluid Temp Sensor Circ	سنسور دمای روغن گیربکس
0715	Input/ Turbine Speed Sensor Circ	سنسور دور توربین
0716	Input/ Turbine Speed Sensor Circ	سنسور دور توربین
0717	Input/ Turbine Speed Sensor Circ	سنسور دور توربین
0718	Input/ Turbine Speed Sensor Circ	سنسور دور توربین
0719	Torque Converter/ Brake Switch B Circ	سوئیچ دوم مبدل گشتاور یا ترمز
0720	Output Speed Sensor Circ	سنسور سرعت خروجی

PCode	Description	شرح خطا
0721	Output Speed Sensor Circ	سنسور سرعت خروجی
0722	Output Speed Sensor Circ	سنسور سرعت خروجی
0723	Output Speed Sensor Circ	سنسور سرعت خروجی
0724	Torque Converter/ Brake Switch B Circ	سوئیچ مبدل گشتاور
0725	Engine Speed input Circ	ورودی دور موتور
0726	Engine Speed input Circ	ورودی دور موتور
0727	Engine Speed input Circ	ورودی دور موتور
0728	Engine Speed input Circ	ورودی دور موتور
0729	Gear 6 Incorrect Ratio	نسبت دنده غلط برای دنده ۶
0730	Incorrect Gear Ratio	نسبت دنده غلط
0731	Gear 1 Incorrect ratio	نسبت دنده غلط برای دنده ۱
0732	Gear 2 Incorrect ratio	نسبت دنده غلط برای دنده ۲
0733	Gear 3 Incorrect ratio	نسبت دنده غلط برای دنده ۳
0734	Gear 4 Incorrect ratio	نسبت دنده غلط برای دنده ۴

PCode	Description	شرح خطا
0735	Gear 5 Incorrect ratio	نسبت دنده غلط برای دنده ۵
0736	Reverse Incorrect Gear ratio	نسبت دنده غلط برای دنده عقب
0737	TCM Engine Speed Output Circ	مدار خروجی دور موتور TCM
0738	TCM Eng Speed Output Circ	مدار خروجی دور موتور TCM
0739	TCM Eng Speed Output Circ	مدار خروجی دور موتور TCM
0740	Torque Converter Clutch Circ	مدار کلاچ مبدل گشتاور
0741	Torque Converter Clutch Circ	مدار کلاچ مبدل گشتاور
0742	Torque Converter Clutch Circ	مدار کلاچ مبدل گشتاور
0743	Torque Converter Clutch Circ	مدار کلاچ مبدل گشتاور
0744	Torque Converter Clutch Circ	مدار کلاچ مبدل گشتاور
0745	Pressure Ctrl Solenoid	سولونوئید کنترل فشار
0746	Pressure Ctrl Solenoid	سولونوئید کنترل فشار
0747	Pressure Ctrl Solenoid	سولونوئید کنترل فشار
0748	Pressure Ctrl Solenoid	سولونوئید کنترل فشار

PCode	Description	شرح خطا
0749	Pressure Ctrl Solenoid	سولونوئید کنترل فشار
0750	Shift Solenoid A	سولونوئید اول تعویض دنده
0751	Shift Solenoid A	سولونوئید اول تعویض دنده
0752	Shift Solenoid A	سولونوئید اول تعویض دنده
0753	Shift Solenoid A	سولونوئید اول تعویض دنده
0754	Shift Solenoid A	سولونوئید اول تعویض دنده
0755	Shift Solenoid B	سولونوئید دوم تعویض دنده
0756	Shift Solenoid B	سولونوئید دوم تعویض دنده
0757	Shift Solenoid B	سولونوئید دوم تعویض دنده
0758	Shift Solenoid B	سولونوئید دوم تعویض دنده
0759	Shift Solenoid B	سولونوئید دوم تعویض دنده
0760	Shift Solenoid C	سولونوئید سوم تعویض دنده
0761	Shift Solenoid C	سولونوئید سوم تعویض دنده
0762	Shift Solenoid C	سولونوئید سوم تعویض دنده

PCode	Description	شرح خطا
0763	Shift Solenoid C	سولونوئید سوم تعویض دنده
0764	Shift Solenoid C	سولونوئید سوم تعویض دنده
0765	Shift Solenoid D	سولونوئید چهارم تعویض دنده
0766	Shift Solenoid D	سولونوئید چهارم تعویض دنده
0767	Shift Solenoid D	سولونوئید چهارم تعویض دنده
0768	Shift Solenoid D	سولونوئید چهارم تعویض دنده
0769	Shift Solenoid D	سولونوئید چهارم تعویض دنده
0770	Shift Solenoid E	سولونوئید پنجم تعویض دنده
0771	Shift Solenoid E	سولونوئید پنجم تعویض دنده
0772	Shift Solenoid E	سولونوئید پنجم تعویض دنده
0773	Shift Solenoid E	سولونوئید پنجم تعویض دنده
0774	Shift Solenoid E	سولونوئید پنجم تعویض دنده
0775	Pressure Ctrl Solenoid B	سولونوئید دوم کنترل فشار
0776	Pressure Ctrl Solenoid B	سولونوئید دوم کنترل فشار

PCode	Description	شرح خطا
0777	Pressure Ctrl Solenoid B	سولونوئید دوم کنترل فشار
0778	Pressure Ctrl Solenoid B	سولونوئید دوم کنترل فشار
0779	Pressure Ctrl Solenoid B	سولونوئید دوم کنترل فشار
0780	Shift	تعویض دنده
0781	1-2 Shift	تعویض دنده ۱-۲
0782	2-3 Shift	تعویض دنده ۲-۳
0783	3-4 Shift	تعویض دنده ۳-۴
0784	4-5 Shift	تعویض دنده ۴-۵
0785	Shift/ Timing Solenoid	سولونوئید زمان بندی تعویض دنده
0786	Shift/ Timing Solenoid	سولونوئید زمان بندی تعویض دنده
0787	Shift/ Timing Solenoid	سولونوئید زمان بندی تعویض دنده
0788	Shift/ Timing Solenoid	سولونوئید زمان بندی تعویض دنده
0789	Shift/ Timing Solenoid	سولونوئید زمان بندی تعویض دنده
0790	Normal/ Perfor Switch Circ	مدار Normal/ Performance سوییچ

PCode	Description	شرح خطا
0791	Intermediate Shaft Speed Sensor Circ	سنسور سرعت شفت اول
0792	Intermediate Shaft Speed Sensor Circ	سنسور سرعت شفت اول
0793	Intermediate Shaft Speed Sensor Circ	سنسور سرعت شفت اول
0794	Intermediate Shaft Speed Sensor Circ	سنسور سرعت شفت اول
0795	Pressure Ctrl Solenoid C	سولونوئید کنترل فشار C
0796	Pressure Ctrl Solenoid C	سولونوئید کنترل فشار C
0797	Pressure Ctrl Solenoid C	سولونوئید کنترل فشار C
0798	Pressure Ctrl Solenoid C	سولونوئید کنترل فشار C
0799	Pressure Ctrl Solenoid C	سولونوئید کنترل فشار C
0800	Transfer Case Ctrl System - MIL Request	سیستم کنترل محفظه انتقال
0801	Reverse Inhibit Ctrl Circ	میکروسوئیچ دنده عقب
0802	Transfer Case Ctrl System - MIL Request	سیستم کنترل محفظه انتقال
0803	1-4 Upshift (Skip Shift) Solenoid Ctrl Circ	سولونوئید Upshift

PCode	Description	شرح خطا
0804	1-4 Upshift (Skip Shift) Lamp Ctrl Circ	چراغ Upshift
0805	Clutch Position Sensor Circ	سنسور موقعیت کلاچ
0806	Clutch Position Sensor Circ	سنسور موقعیت کلاچ
0807	Clutch Position Sensor Circ	سنسور موقعیت کلاچ
0808	Clutch Position Sensor Circ	سنسور موقعیت کلاچ
0809	Clutch Position Sensor Circ	سنسور موقعیت کلاچ
0810	Clutch Position Ctrl	کنترل موقعیت کلاچ
0811	Excessive Clutch Slippage	لغزش بیش از حد کلاچ
0812	Reverse Input Circ	مدار ورودی دنده عقب
0813	Reverse Output Circ	مدار خروجی دنده عقب
0814	Transmission Range Display Circ	مدار نمایش وضعیت دنده
0815	Up Shift Switch Circ	سوئیچ Upshift
0816	Down Shift Switch Circ	سوئیچ Downshift
0817	Starter Disable Circ	مدار غیرفعالسازی استارتر

PCode	Description	شرح خطا
0818	Driveline Disconnect Switch Input Circ	مدار ورودی سوئیچ قطع Driveline
0819	Up And Down Shift Switch To Transmission Range Correlation	سوئیچ انتقال دنده های بالا و پایین
0820	Gear Lever X-Y Position Sensor Circ	دسته دنده X-Y سنسور موقعیت
0821	Gear Lever X Position Sensor Circ	دسته دنده X سنسور موقعیت
0822	Gear Lever Y Position Sensor Circ	دسته دنده Y سنسور موقعیت
0823	Gear Lever X Position Sensor Circ	دسته دنده X سنسور موقعیت
0824	Gear Lever Y Position Sensor Circ	دسته دنده Y سنسور موقعیت
0825	Gear Lever Push/Pull Switch Circ (Shift Anticipate)	مدار سوئیچ فشردن / کشیدن دسته دنده (پیش بینی وضعیت انتقال)
0826	Up and Down Shift Switch Circ	مدار سوئیچ انتقال بالا و پایین
0827	Up and Down Shift Switch Circ	مدار سوئیچ انتقال بالا و پایین
0828	Up and Down Shift Switch Circ	مدار سوئیچ انتقال بالا و پایین
0829	5-6 Shift	انتقال ۵-۶
0830	Clutch Pedal Switch A Circ	مدار اول سوئیچ پدال کلاچ

PCode	Description	شرح خطا
0831	Clutch Pedal Switch A Circ	مدار اول سوئیچ پدال کلاچ
0832	Clutch Pedal Switch A Circ	مدار اول سوئیچ پدال کلاچ
0833	Clutch Pedal Switch B Circ	مدار دوم سوئیچ پدال کلاچ
0834	Clutch Pedal Switch B Circ	مدار دوم سوئیچ پدال کلاچ
0835	Clutch Pedal Switch B Circ	مدار دوم سوئیچ پدال کلاچ
0836	4WD Switch Circ	مدار سوئیچ 4WD
0837	4WD Switch Circ	مدار سوئیچ 4WD
0838	4WD Switch Circ	مدار سوئیچ 4WD
0839	4WD Switch Circ	مدار سوئیچ 4WD
0840	Transmission Fluid Pressure Sensor/ Switch A Circ	سنسور فشار روغن گیربکس / مدار اول سوئیچ
0841	Transmission Fluid Pressure Sensor/ Switch A Circ	سنسور فشار روغن گیربکس / مدار اول سوئیچ
0842	Transmission Fluid Pressure Sensor/ Switch A Circ	سنسور فشار روغن گیربکس / مدار اول سوئیچ

PCode	Description	شرح خطا
0843	Transmission Fluid Pressure Sensor/ Switch A Circ	سنسور فشار روغن گیربکس / مدار اول سوئیچ
0844	Transmission Fluid Pressure Sensor/ Switch A Circ	سنسور فشار روغن گیربکس / مدار اول سوئیچ
0845	Transmission Fluid Pressure Sensor/ Switch B Circ	سنسور فشار روغن گیربکس / مدار دوم سوئیچ
0846	Transmission Fluid Pressure Sensor/ Switch B Circ	سنسور فشار روغن گیربکس / مدار دوم سوئیچ
0847	Transmission Fluid Pressure Sensor/ Switch B Circ	سنسور فشار روغن گیربکس / مدار دوم سوئیچ
0848	Transmission Fluid Pressure Sensor/ Switch B Circ	سنسور فشار روغن گیربکس / مدار دوم سوئیچ
0849	Transmission Fluid Pressure Sensor/ Switch B Circ	سنسور فشار روغن گیربکس / مدار دوم سوئیچ
0850	Park/ Neutral Switch Input Circ	مدار ورودی سوئیچ پارک / خلاص
0851	Park/ Neutral Switch Input Circ	مدار ورودی سوئیچ پارک / خلاص

PCode	Description	شرح خطا
0852	Park/ Neutral Switch Input Circ	مدار ورودی سوئیچ پارک / خلاص
0853	Drive Switch Input Circ	مدار ورودی سوئیچ حالت رانندگی
0854	Drive Switch Input Circ	مدار ورودی سوئیچ حالت رانندگی
0855	Drive Switch Input Circ	مدار ورودی سوئیچ حالت رانندگی
0856	Traction Ctrl Input Signal	سیگنال ورودی کنترل کشش
0857	Traction Ctrl Input Signal	سیگنال ورودی کنترل کشش
0858	Traction Ctrl Input Signal	سیگنال ورودی کنترل کشش
0859	Traction Ctrl Input Signal	سیگنال ورودی کنترل کشش
0860	Gear Shift Module Communication Circ	مدار ارتباطی ماژول انتقال دنده
0861	Gear Shift Module Communication Circ	مدار ارتباطی ماژول انتقال دنده
0862	Gear Shift Module Communication Circ	مدار ارتباطی ماژول انتقال دنده
0863	TCM Communication Circ	مدار ارتباطی TCM
0864	TCM Communication Circ	مدار ارتباطی TCM
0865	TCM Communication Circ	مدار ارتباطی TCM

PCode	Description	شرح خطا
0866	TCM Communication Circ	مدار ارتباطی TCM
0867	Transmission Fluid Pressure	فشار روغن گیربکس
0868	Transmission Fluid Pressure	فشار روغن گیربکس
0869	Transmission Fluid Pressure	فشار روغن گیربکس
0870	Transmission Fluid Pressure Sensor/ Switch C Circ	سنسور فشار روغن گیربکس / مدار سوئیچ سوم
0871	Transmission Fluid Pressure Sensor/ Switch C Circ	سنسور فشار روغن گیربکس / مدار سوئیچ سوم
0872	Transmission Fluid Pressure Sensor/ Switch C Circ	سنسور فشار روغن گیربکس / مدار سوئیچ سوم
0873	Transmission Fluid Pressure Sensor/ Switch C Circ	سنسور فشار روغن گیربکس / مدار سوئیچ سوم
0874	Transmission Fluid Pressure Sensor/ Switch C Circ	سنسور فشار روغن گیربکس / مدار سوئیچ سوم
0875	Transmission Fluid Pressure Sensor/ Switch D Circ	سنسور فشار روغن گیربکس / مدار سوئیچ چهارم

PCode	Description	شرح خطا
0876	Transmission Fluid Pressure Sensor/ Switch D Circ	سنسور فشار روغن گیربکس / مدار سوئیچ چهارم
0877	Transmission Fluid Pressure Sensor/ Switch D Circ	سنسور فشار روغن گیربکس / مدار سوئیچ چهارم
0878	Transmission Fluid Pressure Sensor/ Switch D Circ	سنسور فشار روغن گیربکس / مدار سوئیچ چهارم
0879	Transmission Fluid Pressure Sensor/ Switch D Circ	سنسور فشار روغن گیربکس / مدار سوئیچ چهارم
0880	TCM Power Input Signal	سیگنال ورودی تغذیه TCM
0881	TCM Power Input Signal	سیگنال ورودی تغذیه TCM
0882	TCM Power Input Signal	سیگنال ورودی تغذیه TCM
0883	TCM Power Input Signal	سیگنال ورودی تغذیه TCM
0884	TCM Power Input Signal	سیگنال ورودی تغذیه TCM
0885	TCM Power Relay Ctrl Circ	مدار کنترلی رله تغذیه TCM
0886	TCM Power Relay Ctrl Circ	مدار کنترلی رله تغذیه TCM

PCode	Description	شرح خطا
0887	TCM Power Relay Ctrl Circ	مدار کنترلی رله تغذیه TCM
0888	TCM Power Relay Sense Circ	مدار حساسیت رله تغذیه TCM
0889	TCM Power Relay Sense Circ	مدار حساسیت رله تغذیه TCM
0890	TCM Power Relay Sense Circ	مدار حساسیت رله تغذیه TCM
0891	TCM Power Relay Sense Circ	مدار حساسیت رله تغذیه TCM
0892	TCM Power Relay Sense Circ	مدار حساسیت رله تغذیه TCM
0893	Multiple Gears Engaged	درگیری دنده های مختلف
0894	Transmission Component Slipping	لغزش اجزای گیربکس
0895	Shift Time Too Short	زمان انتقال دنده بسیار کوتاه
0896	Shift Time Too Long	زمان انتقال دنده بسیار زیاد
0897	Transmission Fluid Deteriorated	روغن گیربکس نیازمند تعویض
0898	Transmission Ctrl System MIL Request Circ	مدار سیستم کنترل گیربکس
0899	Transmission Ctrl System MIL Request Circ	مدار سیستم کنترل گیربکس
0900	Clutch Actuator Circ	مدار عملگر کلاچ

PCode	Description	شرح خطا
0901	Clutch Actuator Circ	مدار عملگر کلاچ
0902	Clutch Actuator Circ	مدار عملگر کلاچ
0903	Clutch Actuator Circ	مدار عملگر کلاچ
0904	Gate Select Position Circ	مدار موقعیت انتخاب گیت
0905	Gate Select Position Circ	مدار موقعیت انتخاب گیت
0906	Gate Select Position Circ	مدار موقعیت انتخاب گیت
0907	Gate Select Position Circ	مدار موقعیت انتخاب گیت
0908	Gate Select Position Circ	مدار موقعیت انتخاب گیت
0909	Gate Select Ctrl Error	خطای کنترل انتخاب گیت
0910	Gate Select Actuator Circ	مدار عملگر انتخاب گیت
0911	Gate Select Actuator Circ	مدار عملگر انتخاب گیت
0912	Gate Select Actuator Circ	مدار عملگر انتخاب گیت
0913	Gate Select Actuator Circ	مدار عملگر انتخاب گیت
0914	Gear Shift Position Circ	مدار موقعیت انتقال گیت

PCode	Description	شرح خطا
0915	Gear Shift Position Circ	مدار موقعیت انتقال گیت
0916	Gear Shift Position Circ	مدار موقعیت انتقال گیت
0917	Gear Shift Position Circ	مدار موقعیت انتقال گیت
0918	Gear Shift Position Circ	مدار موقعیت انتقال گیت
0919	Gate Shift Position Ctrl Error	خطای کنترل موقعیت انتقال گیت
0920	Gear Shift Forward Actuator Circ	مدار عملگرد اضافه کردن دنده
0921	Gear Shift Forward Actuator Circ	مدار عملگرد اضافه کردن دنده
0922	Gear Shift Forward Actuator Circ	مدار عملگرد اضافه کردن دنده
0923	Gear Shift Forward Actuator Circ	مدار عملگرد اضافه کردن دنده
0924	Gear Shift Reverse Actuator Circ	مدار عملگرد کاهش دادن دنده
0925	Gear Shift Reverse Actuator Circ	مدار عملگرد کاهش دادن دنده
0926	Gear Shift Reverse Actuator Circ	مدار عملگرد کاهش دادن دنده
0927	Gear Shift Reverse Actuator Circ	مدار عملگرد کاهش دادن دنده
0928	Gear Shift Lock Solenoid Ctrl Circ	مدار کنترل سولونوئید قفل دنده

PCode	Description	شرح خطا
0929	Gear Shift Lock Solenoid Ctrl Circ	مدار کنترل سولونوئید قفل دنده
0930	Gear Shift Lock Solenoid Ctrl Circ	مدار کنترل سولونوئید قفل دنده
0931	Gear Shift Lock Solenoid Ctrl Circ	مدار کنترل سولونوئید قفل دنده
0932	Hydraulic Pressure Sensor Circ	مدار سنسور فشار هیدرولیک
0933	Hydraulic Pressure Sensor Circ	مدار سنسور فشار هیدرولیک
0934	Hydraulic Pressure Sensor Circ	مدار سنسور فشار هیدرولیک
0935	Hydraulic Pressure Sensor Circ	مدار سنسور فشار هیدرولیک
0936	Hydraulic Pressure Sensor Circ	مدار سنسور فشار هیدرولیک
0937	Hydraulic Oil Temp Sensor Circ	مدار سنسور دمای روغن هیدرولیک
0938	Hydraulic Oil Temp Sensor Circ	مدار سنسور دمای روغن هیدرولیک
0939	Hydraulic Oil Temp Sensor Circ	مدار سنسور دمای روغن هیدرولیک
0940	Hydraulic Oil Temp Sensor Circ	مدار سنسور دمای روغن هیدرولیک
0941	Hydraulic Oil Temp Sensor Circ	مدار سنسور دمای روغن هیدرولیک
0942	Hydraulic Pressure Unit	واحد فشار هیدرولیک

PCode	Description	شرح خطا
0943	Hydraulic Pressure Unit Cycling Period Too Short	زمان بسیار کوتاه چرخه واحد فشار هیدرولیک
0944	Hydraulic Pressure Unit Loss of Pressure	کمیبود فشار واحد فشار هیدرولیک
0945	Hydraulic Pump Relay Circ	مدار رله پمپ هیدرولیک
0946	Hydraulic Pump Relay Circ	مدار رله پمپ هیدرولیک
0947	Hydraulic Pump Relay Circ	مدار رله پمپ هیدرولیک
0948	Hydraulic Pump Relay Circ	مدار رله پمپ هیدرولیک
0949	Auto Shift Manual Adaptive Learning Not Complete	تعریف تطبیق دستی انتقال اتوماتیک
0950	Auto Shift Manual Ctrl Circ	مدار کنترل دستی انتقال اتوماتیک
0951	Auto Shift Manual Ctrl Circ	مدار کنترل دستی انتقال اتوماتیک
0952	Auto Shift Manual Ctrl Circ	مدار کنترل دستی انتقال اتوماتیک
0953	Auto Shift Manual Ctrl Circ	مدار کنترل دستی انتقال اتوماتیک
0954	Auto Shift Manual Ctrl Circ	مدار کنترل دستی انتقال اتوماتیک
0955	Auto Shift Manual Mode Circ	مدار حالت دستی انتقال اتوماتیک

PCode	Description	شرح خطا
0956	Auto Shift Manual Mode Circ	مدار حالت دستی انتقال اتوماتیک
0957	Auto Shift Manual Mode Circ	مدار حالت دستی انتقال اتوماتیک
0958	Auto Shift Manual Mode Circ	مدار حالت دستی انتقال اتوماتیک
0959	Auto Shift Manual Mode Circ	مدار حالت دستی انتقال اتوماتیک
0960	Pressure Ctrl Solenoid A Ctrl Circ	مدار کنترل سولونوئید اول کنترل فشار
0961	Pressure Ctrl Solenoid A Ctrl Circ	مدار کنترل سولونوئید اول کنترل فشار
0962	Pressure Ctrl Solenoid A Ctrl Circ	مدار کنترل سولونوئید اول کنترل فشار
0963	Pressure Ctrl Solenoid A Ctrl Circ	مدار کنترل سولونوئید اول کنترل فشار
0964	Pressure Ctrl Solenoid B Ctrl Circ	مدار کنترل سولونوئید دوم کنترل فشار
0965	Pressure Ctrl Solenoid B Ctrl Circ	مدار کنترل سولونوئید دوم کنترل فشار
0966	Pressure Ctrl Solenoid B Ctrl Circ	مدار کنترل سولونوئید دوم کنترل فشار
0967	Pressure Ctrl Solenoid B Ctrl Circ	مدار کنترل سولونوئید دوم کنترل فشار
0968	Pressure Ctrl Solenoid C Ctrl Circ	مدار کنترل سولونوئید سوم کنترل فشار
0969	Pressure Ctrl Solenoid C Ctrl Circ	مدار کنترل سولونوئید سوم کنترل فشار

PCode	Description	شرح خطا
0970	Pressure Ctrl Solenoid C Ctrl Circ	مدار کنترل سولونوئید سوم کنترل فشار
0971	Pressure Ctrl Solenoid C Ctrl Circ	مدار کنترل سولونوئید سوم کنترل فشار
0972	Shift Solenoid A Ctrl Circ	مدار کنترل سولونوئید اول انتقال
0973	Shift Solenoid A Ctrl Circ	مدار کنترل سولونوئید اول انتقال
0974	Shift Solenoid A Ctrl Circ	مدار کنترل سولونوئید اول انتقال
0975	Shift Solenoid B Ctrl Circ	مدار کنترل سولونوئید دوم انتقال
0976	Shift Solenoid B Ctrl Circ	مدار کنترل سولونوئید دوم انتقال
0977	Shift Solenoid B Ctrl Circ	مدار کنترل سولونوئید دوم انتقال
0978	Shift Solenoid C Ctrl Circ	مدار کنترل سولونوئید سوم انتقال
0979	Shift Solenoid C Ctrl Circ	مدار کنترل سولونوئید سوم انتقال
0980	Shift Solenoid C Ctrl Circ	مدار کنترل سولونوئید سوم انتقال
0981	Shift Solenoid D Ctrl Circ	مدار کنترل سولونوئید چهارم انتقال
0982	Shift Solenoid D Ctrl Circ	مدار کنترل سولونوئید چهارم انتقال
0983	Shift Solenoid D Ctrl Circ	مدار کنترل سولونوئید چهارم انتقال

PCode	Description	شرح خطا
0984	Shift Solenoid E Ctrl Circ	مدار كنترل سولونوئيد پنجم انتقال
0985	Shift Solenoid E Ctrl Circ	مدار كنترل سولونوئيد پنجم انتقال
0986	Shift Solenoid E Ctrl Circ	مدار كنترل سولونوئيد پنجم انتقال
0987	Transmission Fluid Pressure Sensor/ Switch E Circ	سنسور فشار روغن گيربكس / مدار سوئيچ پنجم
0988	Transmission Fluid Pressure Sensor/ Switch E Circ	سنسور فشار روغن گيربكس / مدار سوئيچ پنجم
0989	Transmission Fluid Pressure Sensor/ Switch E Circ	سنسور فشار روغن گيربكس / مدار سوئيچ پنجم
0990	Transmission Fluid Pressure Sensor/ Switch E Circ	سنسور فشار روغن گيربكس / مدار سوئيچ پنجم
0991	Transmission Fluid Pressure Sensor/ Switch E Circ	سنسور فشار روغن گيربكس / مدار سوئيچ پنجم
0992	Transmission Fluid Pressure Sensor/ Switch F Circ	سنسور فشار روغن گيربكس / مدار سوئيچ ششم

PCode	Description	شرح خطا
0993	Transmission Fluid Pressure Sensor/ Switch F Circ	سنسور فشار روغن گیربکس / مدار سوئیچ ششم
0994	Transmission Fluid Pressure Sensor/ Switch F Circ	سنسور فشار روغن گیربکس / مدار سوئیچ ششم
0995	Transmission Fluid Pressure Sensor/ Switch F Circ	سنسور فشار روغن گیربکس / مدار سوئیچ ششم
0996	Transmission Fluid Pressure Sensor/ Switch F Circ	سنسور فشار روغن گیربکس / مدار سوئیچ ششم
0997	Shift Solenoid F Ctrl	کنترل سولونوئید ششم انتقال
0998	Shift Solenoid F Ctrl	کنترل سولونوئید ششم انتقال
0999	Shift Solenoid F Ctrl	کنترل سولونوئید ششم انتقال

BENZ OBDII DTC

- P1031 component G3/3 (O2-in CAT front left detector) and G3/4 (O2-in CAT front right detector) exchange
- P1032 O2 sensors upstream TWC mixed up G3/3,G3/4
- P1105 Altitude pressure sensor control module
- P1105 Atmospheric pressure sensor Readout too large.
- P1105 Atmospheric pressure sensor Readout too small.
- P1105 high pressure sensor controller
- P1146 left HF type AFM sensor (B2/6)
- P1147 left coolant temperature sensor (B11/9)
- P1148 left intake air temperature sensor (B17/5)
- P1149 left pressure sensor (B28/1)
- P1162 left regulation part practical potentiometer
- P1163 engine oil condition control switch (S43)
- P1163 Oil sensor:engine oil level implausible (B10)
- P1176 engine oil sensor (B40)
- P1176 Oil pressure sensor malfunction (B10)
- P1177 engine oil sensor (B40) engine oil temperature error

- P1177 Oil sensor:engine oil temperature implausible (B10)
- P1178 engine oil sensor (B40) engine oil condition error
- P1178 Oil sensor:engine oil level implausible (B10)
- P1179 engine oil sensor (B40) engine oil quality error
- P1179 Oil sensor:engine oil quality implausible (B10)
- P1180 engine oil sensor (B40) engine oil temperature too high
- P1180 Oil sensor:engine oil temperature too high (B10)
- P1181 Electric induction fan Engine/AC malfunction (M34)
- P1181 engine/A/C electronic suction device (M4/3) rating RPM error
- P1183 Malfunction right cylinder shut-off output stage
- P1184 Malfunction left cylinder shut-off output stage
- P1185 engine oil sensor (B40) water in engine oil
- P1185 Oil sensor:water in engine oil (B10)
- P1186 Safety fuel shut-off
- P1187 fuel rail pressure inspection
- P1187 Rail pressure monitoring Control variation < 1500/min (rpm)
- P1187 Rail pressure monitoring Control variation < 1500/min (rpm)
- P1187 Rail pressure monitoring Control variation > 1500/min (rpm)

- P1187 Rail pressure monitoring Control variation > 1500/min (rpm)
- P1187 Rail pressure monitoring Leakage
- P1187 Rail pressure monitoring Leakage
- P1187 Rail pressure monitoring The maximum pressure has been exceeded.
- P1187 Rail pressure monitoring The maximum pressure has been exceeded.
- P1187 Rail pressure monitoring The pressure control valve jams in the closed position.
- P1187 Rail pressure monitoring The pressure control valve jams in the closed position.
- P1187 Rail pressure monitoring The rail pressure cannot be built up.
- P1187 Rail pressure monitoring The rail pressure cannot be built up.
- P1187 Rail pressure monitoring The rail pressure is too low.
- P1187 Rail pressure monitoring The rail pressure is too low.
- P1189 Inlet port shutoff M55 (Inlet port shutoff motor)
- P1189 Inlet port shutoff Open circuit
- P1189 Inlet port shutoff Short circuit
- P1189 Inlet port shutoff The flaps jam in the closed position.
- P1189 Inlet port shutoff The flaps jam in the open position.

- P1189 intake air turnoff switch valve Y83
- P1190 Fuel pressure control valve N3/9 (CDI control module)
- P1190 Fuel pressure control valve Open circuit
- P1190 Fuel pressure control valve Short circuit
- P1190 fuel pressure regulation valve Y74
- P1192 B40 (Oil sensor (oil level , temperature and quality)) Oil level is implausible.
- P1192 B40 (Oil sensor (oil level , temperature and quality)) Oil quality is implausible.
- P1192 B40 (Oil sensor (oil level,temperature and quality)) Oil temperature is implausible.
- P1192 B40 (Oil sensor (oil level , temperature and quality)) Period error of oil sensor
- P1192 B40 (Oil sensor (oil level,temperature and quality)) Short circuit/Open circuit
- P1192 B40 (Oil sensor (oil level,temperature and quality)) Synchronization pause is breached.

P1192 B40 (Oil sensor (oil level,temperature and quality)) The supply voltage is too high or too low.

P1192 B40 (Oil sensor (oil level,temperature and quality)) Water in engine oil

P1192 engine oil sensor B40

P1220 Fuel metering control Y23/1

P1221 CAN communication is faulty.Fault of ETC over CAN

P1221 CAN communication is faulty.Fault of traction system over CAN

P1221 CAN reception from ASR/ETC/ESP

P1221 CAN signal from ASR/EGS/ESP

P1222 accelerator pedal position sensor B37

P1222 B37 (Pedal value sensor) Sensor 1 Plausibility 1

P1222 B37 (Pedal value sensor) Sensor 1 Plausibility 2

P1222 B37 (Pedal value sensor) Sensor 1 Plausibility 3

p1222 B37 (Pedal value sensor) Sensor 1 The signal voltage is too high.

p1222 B37 (Pedal value sensor) Sensor 1 The signal voltage is too low.

p1222 B37 (Pedal value sensor) Sensor 1 The supply voltage is too high or too low.

P1222 Potentiometer R25/2

- P1223 Distributer shaft position sensor Y23/2|2
- P1223 Fuel rack travel sensor or slide valve position sensor Y23/11
- P1224 Fuel metering control
- P1225 Intake pressure control
- P1225 Resonance intake manifold switchover valve (Y77)
- P1226 Cam ring position sensor Y23/2|1
- P1227 Distributer shaft position sensor Y23/2|2
- P1228 Injection pump quantity stop
- P1229 Balancing resistor Y23/2r2
- P1230 Cam ring position sensor Y23/2|1
- P1233 Throttle valve actuator jamming (iced up) M16/6
- P1234 accelerator pedal position sensor B37
- P1234 B37 (Pedal value sensor) Sensor 2 IMPLAUSIBLE Sensor 1/2
- P1234 B37 (Pedal value sensor) Sensor 2 The signal voltage is too high.
- P1234 B37 (Pedal value sensor) Sensor 2 The signal voltage is too low.
- P1234 B37 (Pedal value sensor) Sensor 2 The supply voltage is too high or too low.
- P1235 Recirculated air flap signal output stage

- P1236 Compressor output stage magnetic coupling
- P1237 read traction control system fault memory
- P1300 left crankshaft position sensor (L5/4)
- P1330 start control
- P1330 Starter control Attempt at starting without circuit 50
- P1330 Starter control Open circuit
- P1330 Starter control Short circuit
- P1330 Starter control
- P1335 Crankshaft position sensor L5/6
- P1335 L5 (Crankshaft position sensor) Overspeed detection
- P1335 L5 (Crankshaft position sensor) Plausibility 1
- P1335 L5 (Crankshaft position sensor) Plausibility 2
- P1350 Injection advance solenoid valve
- P1351 Start of delivery /injection control loop
- P1352 Needle lift motion sensor B27
- P1353 Working speed control
- P1354 deflexions angle between camshaft and crankshaft

P1354 Synchronization between crankshaft and camshaft Frequency of camshaft signal is too high.

P1354 Synchronization between crankshaft and camshaft Main injection correction is faulty.

P1354 Synchronization between crankshaft and camshaft No camshaft signal.

P1354 Synchronization between crankshaft and camshaft No crankshaft signal.

P1354 Synchronization between crankshaft and camshaft Plausibility

P1354 Synchronization between crankshaft and camshaft The flow limiter has been activated.

P1355 component Y80 (valve OFF, right cylinder) can not be off while cylinder is cut-off (OFF)

P1356 component Y81 (valve OFF, left cylinder) can not be off while cylinder is cut-off (OFF)

P1357 cylinder cut-off (function link): cylinder intake valve still works when cylinder is cut-off (ON)

P1358 cylinder 5 exhaust valve can not work when cylinder is cut-off (OFF)(function link)

- P1359 cylinder 2 exhaust valve can not work when cylinder is cut-off
(OFF)(function link)
- P1360 cylinder 3 exhaust valve can not work when cylinder is cut-off
(OFF)(function link)
- P1361 cylinder 8 exhaust valve can not work when cylinder is cut-off
(OFF)(function link)
- P1366 Y93 (switch-over valve exhaust valve)
- P1380 cylinder intake valve can not work when cylinder is cut-off (OFF)
- P1384 FL knock sensor
- P1385 RL knock sensor
- P1386 Knock sensor system control module control stop (A61)
- P1386 right remove knock regulation controller (N3/12)
- P1397 left camshaft Hall sensor (B6/2)
- P1400 Exhaust gas recirculation output stage (Y12)
- P1401 EGR lift sensor B28/3
- P1401 EGR lift sensor B28/3
- P1402 Exhaust gas recirculation open-loop control
- P1403 Exhaust gas recirculation Flow check

- P1403 exhaust gas recirculation HFM-regulation
- P1403 Exhaust gas recirculation HFM-SFI-controlled
- P1403 Exhaust gas recirculation Open circuit
- P1403 Exhaust gas recirculation Positive control variation [Exhaust gas recirculation rate is too high.]
- P1403 Exhaust gas recirculation Positive control variation [Exhaust gas recirculation rate is too low.]
- P1403 Exhaust gas recirculation Short circuit
- P1404 Exhaust gas recirculation AHR closed-loop control
- P1411 EGR lift sensor
- P1420 air pump switch-over valve (Y32)
- P1420 Air pump switchover valve (Y32)
- P1437 No fault text specified at present.
- P1437 right CAT temperature sensor (B16/5)
- P1443 left work link EGR
- P1444 left CAT temperature sensor (B16/4)
- P1444 No fault text specified at present.

- P1453 air pump relay (K17)
- P1453 Air pump relay (K17),relay module K76,fuse and relay module K40/4
- P1460 Switchover valve 1 Y22 /7
- P1461 Switchover valve 2 Y22 /6
- P1463 left air inbreathe device inactive
- P1465 Boost pressure control vacuum transducer
- P1470 Charge pressure control On/off ration of actuation is too large.
- P1470 Charge pressure control Open circuit
- P1470 Charge pressure control Positive control variation [Charge pressure is too high.]
- P1470 Charge pressure control Positive control variation [Charge pressure is too low.]
- P1470 Charge pressure control Short circuit
- P1470 intake air pressure regulation
- P1470 Intake pressure or boost pressure control
- P1475 Resonance intake manifold switchover valve Y22/6
- P1475 Resonance intake manifold switchover valve Y22/6
- P1476 Resonance flap intake pipe Y22/7

- P1480 Preglow indicator
- P1480 pre-heating control
- P1481 Glow plug failure Cylinder 1
- P1481 Glow plug failure Cylinder 2
- P1481 Glow plug failure Cylinder 3
- P1481 Glow plug failure Cylinder 4
- P1481 Glow plug failure Cylinder 5
- P1481 Glow plug failure Cylinder 6
- P1481 Glow plug failure Cylinder 7
- P1481 Glow plug failure Cylinder 8
- P1481 Glow plug failure
- P1481 Glow Plugs
- P1481 pre-heating plug fault
- P1482 Glow output stage N14/2
- P1482 N14/2 (Glow output stage) Cable fault (Short circuit to ground)
- P1482 N14/2 (Glow output stage) Communication fault
- P1482 N14/2 (Glow output stage) Excess current
- P1482 N14/2 (Glow output stage) FAULTY

- P1482 N14/2 (Glow output stage) Implausible reception byte
- P1482 N14/2 (Glow output stage) Incorrect diagnosis sequence
- P1482 pre-heating plug output stage N14/2
- P1490 left EGR device switch-over valve (Y58/2)
- P1491 Refrigerant pressure in A/C system too high
- P1492 Exhaust flap (not relevant if not fitted)
- P1493 Exhaust flap output stage (not relevant if not fitted)
- P1510-001 speed meter touch switch (S40/4)
- P1510-003 MSM1 controller N3/5
- P1515 maximal speed limit negative difference
- P1515 maximal vehicle speed limit
- P1515 Maximum speed limiter
- P1519 Camshaft timing function chain
- P1519 right work link camshaft control device
- P1520 Cruise control switch S40
- P1520 S40/4 (CC switch with variable speed limiter) Control contact alone
- P1520 S40/4 (CC switch with variable speed limiter) DTR operating unit has contact short (two

contacts simultaneously).

P1520 S40/4 (CC switch with variable speed limiter) Negative acceleration threshold

P1520 S40/4 (CC switch with variable speed limiter) No check contact.

P1520 S40/4 (CC switch with variable speed limiter) Operating parts signals through CAN are implausible.

P1520 S40/4 (CC switch with variable speed limiter) Positive acceleration threshold

P1520 speed controller button type switch

P1522 left work link camshaft control device

P1525 Camshaft timing actuator (Y89)

P1525 right camshaft control device regulation solenoid valve (Y49/2)

P1533 right camshaft control device regulation solenoid valve (Y49/1)

P1542 Pedal value sensor (B71)

P1550 air compressor torque error

P1551 AC compressor shut-off output stage

P1570 Fault in DAS to engine control module (A61)

- P1570 perform start test while closedown FBS
- P1570 right FBS and engine controller interfered (N3/12)
- P1580 Actuator (M33)
- P1580 right regulation part (M16/3)
- P1581 left regulation part (M16/4)
- P1584 brake light switch (S9/1)
- P1587 left controller voltage (N3/11)
- P1588 left FBS to ME CAN BUS interfered (N3/11)
- P1589 right removing knock regulation controller (N3/11)
- P1590 fuel safety cut-off device identified
- P1592 ACS memory read error
- P1603 CAN of EIS
- P1604 CAN link to AAC
- P1605 ABS RPM sensor bad channel identification CAN BUS acceleration
signal
- P1605 CAN acceleration info for poor road recognition from ABS speed
sensor
- P1610 Actuation of holding relay Relay Supply voltages switches off too late.

- P1610 Actuation of holding relay Relay Supply voltages switches off too soon.
- P1610 No voltage supply or overvoltage protection relay or relay module K1
- P1610 security and relay module K40/4
- P1611 Control module
- P1611 controller N3/9
- P1611 N3/9 (CDI control module) Sensor supply voltage 1 Readout too large
- P1611 N3/9 (CDI control module) Sensor supply voltage 1 Readout too small
- P1612 Control module K1 15
- P1612 signal K115
- P1612 Voltage terminal 15 Analysis circuit is faulty.
- P1612 Voltage terminal 15
- P1613 Control module
- P1613 controller N3/9
- P1613 N3/9 (CDI control module) Stabilization Lower stabilization limit
- P1613 N3/9 (CDI control module) Stabilization Upper stabilization limit
- P1614 Control module or fuel metering control or fuel rack sensor or slide
valve sensor
- P1614 controller N3/9

P1614 N3/9 (CDI control module) Microcontroller COMMUNICATION 1

P1614 N3/9 (CDI control module) Microcontroller COMMUNICATION 2

P1614 N3/9 (CDI control module) Microcontroller Quantity stop

P1614 N3/9 (CDI control module) Microcontroller Recovery error

P1614 N3/9 (CDI control module) Microcontroller Shut-off monitoring

P1615 Control module supply voltage

P1615 controller supply voltage

P1615 N3/9 (CDI control module) Supply voltage Signal is too large.

P1615 N3/9 (CDI control module) Supply voltage Signal is too small.

P1616 Control module

P1617 Control module or not coded

P1617 controller N3/9 or not coded

P1617 EEPROM or incorrectly coded Adaptation values of EEPROM

P1617 EEPROM or incorrectly coded AT has been coded as MT.

P1617 EEPROM or incorrectly coded CAN was interrupted during coding.

P1617 EEPROM or incorrectly coded Codeword is incorrect or missing.

P1617 EEPROM or incorrectly coded EEPROM COMMUNICATION

P1617 EEPROM or incorrectly coded MT has been coded as AT.

- P1617 EEPROM or incorrectly coded No harmonizing version number
- P1618 Control module
- P1619 Control module or not coded
- P1622 Injection pump shut-off valve
- P1622 turnoff valve Y75
- P1622 Y75 (Electric switchover valve) Open circuit
- P1622 Y75 (Electric switchover valve) Plausibility
- P1622 Y75 (Electric switchover valve) Short circuit
- P1622 Y75 Electric switchover valve open circuit
- P1625 EDC diesel malfunction indicator lamp
- P1626 Engine mount
- P1630 drive authority signal
- P1630 Drive authorization Control unit Drive authorization does not answer
- P1630 Drive authorization Incorrect authentication value
- P1630 Drive authorization Key used is inhibited.
- P1630 Drive authorization N3/9 (CDI control module) EEPROM
- P1630 Drive authorization signal
- P1631 Slip detection signal

- P1632 left controller (N3/11)
- P1636 electric inspiration motor/air condition M4/3
- P1636 Electric suction fan Open circuit
- P1636 Electric suction fan Short circuit
- P1642 Engine control module Incorrect coding MT coded has AT
- P1643 Engine control module Incorrect coding AT coded has MT,fault in CAN of ETC
- P1644 Transmission control module Undervoltage Transmission version cannot be checked
- P1644 transmission variable cannot be inspected (low voltage)
- P1650-001 starter short circuit to positive
- P1650-002 starter discontinuity,short circuit to ground
- P1661 fuel injector 1 and 4 fuel injector pressure
- P1661 Injector voltage 1 Calculated voltage below threshold
- P1661 Injector voltage 1 Overvoltage
- P1661 Injector voltage 1 Readout too large
- P1661 Injector voltage 1 Readout too small
- P1661 Injector voltage 1 Undervoltage

- P1662 fuel injector 2 and 3 fuel injector pressure
- P1662 Injector voltage 2 Calculated voltage below threshold
- P1662 Injector voltage 2 Overvoltage
- P1662 Injector voltage 2 Readout too large
- P1662 Injector voltage 2 Readout too small
- P1662 Injector voltage 2 Undervoltage
- P1663 fuel pressure regulator Y74
- P1663 Y74 (Pressure control valve) The signal voltage is too high.
- P1663 Y74 (Pressure control valve) The signal voltage is too low.
- P1664 Electric heater booster equipment fault
- P1664 electric heater fault
- P1664 electric heater open
- P1664 electric heater output stage fault
- P1664 electric heater short
- P1664 heater
- P1664 load signal of electric heater motor implausible
- P1666 cutoff control

P1666 right or left cylinder (Y80,Y81) 'cylinder cut-off' valve can not be turned on when cylinder is cut-off.

P1666 Shut-off control Fault in switching off through injectors

P1666 Shut-off control Fault in switching off through zero quantity

P1673-001 engine/A/C electronic suction device (M4/3) short circuit to positive

P1673-002 engine/A/C electronic suction device (M4/3) short circuit to ground

P1681 air bag signal

P1681 Airbag signal Airbag signal results in engine being switched off.

P1681 Airbag signal Short circuit to positive

P1681 Crash-Signal unplausibel

P1681-001 crash signal identification

P1681-002 crash signal short circuit to positive

P1681-003 crash signal error

P1698 A/C compressor cutoff

P1698 AC compressor shutoff CAN data transfer

P1698 AC compressor shutoff Open circuit

- P1698 AC compressor shutoff Short circuit
- P1699 Engine start/stop Engine start is unsuccessful.
- P1699 Engine start/stop Engine stop is unsuccessful.
- P1699 Engine start/stop Plausibility 1
- P1699 Engine start/stop Plausibility 2
- P1699 Engine start/stop Plausibility 3
- P1699 Engine start/stop Plausibility clutch DOWN
- P1699 Engine start/stop Plausibility clutch UP
- P1705 Clutch signal or P/N position Plausibility
- P1705 Clutch signal or P/N position
- P1705 Clutch switch or starter lockout and reversing lamp switch
- P1705 clutch switch
- P1706 Transmisson neutral switch
- P1747 control equipment EGS CAN-signal error.
- P1747 control equipment KIW CAN-signal error.
- P1747 EGS CAN BUS interfered
- P1750 undervoltage
- P1780 Modulating pressure switchover valve Y3/4 or upshift delay Y3/5

- P1780 Modulating pressure switchover valve Y3/4
- P1781 Upshift delay switchover valve Y3/5
- P1813 clutch switch (S40/3) discontinuity,short circuit to ground
- P1817-001 reversing light switch S16/10s1 contact point short circuit to ground
- P1817-002 reversing light switch S16/10s1 contact point short circuit to positive
- P1817-003 reversing light switch S16/10s1 contact point discontinuity
- P1817-004 reversing light switch S16/10s1 A61 fault
- P1817-005 reversing light switch S16/10s1 power voltage
- P1819-001 R/P lock contact switch short circuit to ground
- P1819-002 R/P lock contact switch short circuit to positive
- P1819-003 R/P lock contact switch discontinuity
- P1819-004 R/P lock contact switch,A61 fault
- P1819-005 R/P lock contact switch supply voltage
- P1822 kickdown switch (S16/6) error
- P1840 1-4 shift solenoid valve Y3/7y1
- P1841 Solenoid valve Y3/7y2 3 shift

- P1842 Solenoid valve Y3/7y3 2-5-R shift
- P1843 Torque converter lockup clutch (KUeB) Y3/7y4
- P1844 Control solenoid valve Y3/7y5 shift pressure
- P1849 Speed sensors supply voltage < 4 V
- P1850 Transmission rpm sensor Y3/7n1
- P1856-000 process recognition module
- P1856-001 touch-function module
- P1857 Gear oil temperature sensor Y3/7b1
- P1858 Starter lockout contact Y3/7s1 short circuit
- P1859 Supply voltage < 8.5 V or > 17 V
- P1860 RR wheel speed of traction system implausible,CAN
- P1861 RL wheel speed of traction system implausible,CAN
- P1862 FR wheel speed of traction system implausible,CAN
- P1863 FL wheel speed of traction system implausible,CAN
- P1864 Accel.pedal value of motor electronics implausible,CAN
- P1865 Set engine torque of motor electronics implausible,CAN
- P1866 Engine speed of motor electronics implausible,CAN
- P1867 Engine torque of motor electronics implausible,CAN

- P1868 Altitude factor of motor electronics implausible,CAN
- P1869 Max.induced engine torque of motor electronics implausible,CAN
- P1871 Throttle valve value of motor electronics implausible,CAN
- P1872 Fault in CAN communication with selector lever module or selector lever implausible
- P1873 Fault in CAN communication with traction system
- P1874 Engine oil temperature of motor electronics implausible,CAN
- P1875 Fault in entire CAN communication
- P1875-000 common CAN communication interfered
- P1875-001 CAN communication with instrument cluster interfered
- P1875-002 CAN communication with traction control system interfered
- P1875-003 CAN communication with traction control system interfered
- P1875-004 CAN communication with traction control system interfered
- P1875-005 CAN communication with traction control system interfered
- P1875-006 CAN communication with traction control system interfered
- P1875-007 CAN communication with traction control system interfered
- P1875-008 CAN communication with traction control system interfered
- P1875-009 CAN communication with traction control system interfered

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- P1875-255 CAN communication with traction control system interfered
- P1876 Fault in CAN communication with traction system
- P1877 Fault in CAN communication with engine electronics
- P1878 Fault in CAN communication with air conditioning
- P1883 Transmission complete
- P1886 1-4/-3 downshift PWM valve,pressure too low or 2-5-R pressure too high

- P1887 1-4 or 2-5 shift slide valve jamming in pressure position,shift valve pressure too high
- P1888 1-4 or 2-5 shift slide valve jamming in basic position,shift valve pressure too low
- P1889 2-5-R downshift PWM valve pressure too low transmission slipping
- P1890 Torque converter lockup clutch,impermissible closing
- P1891 Torque converter lockup clutch,high power input
- P1892 Transmission protection feedback not received
- P1893 1-4/-3 downshift PWM valve,pressure too high
- P1894 Control module not/incorrectly coded
- P1895 Control module N15/7 faulty
- P1896 Control module N15/7 faulty
- P1897 Control module N15/7 faulty
- P1898 Control module N15/7 faulty
- P1899 Control module N15/7 faulty
- P1900 Control module N15/7 faulty
- P1901 Control module N15/7 faulty
- P1902 Control module N15/7 faulty

- P1903 Control module N15/7 faulty
- P1999 No fault text specified at present.
- P2000 Component N15/3 (ETC control module) is faulty.
- P2000 Component N15/3(ETC control module) is faulty.
- P2000 N3/9 (controller CDI) [checksum:error]
- P2000 N3/9 (controller CDI) component N3/9 (controller CDI) error variable code
- P2000 N3/9 (controller CDI) engine synthesis characteristic curve error:error code
- P2000 N3/9 (controller CDI) hardware identification error.
- P2000 N3/9 (controller CDI) internal error
- P2000 N3/9 (controller CDI) software 'integration check' error.
- P2000 N3/9 (controller CDI) thruster controller test
- P2000 N3/9 (controller CDI) variable code error.
- P2001 check N3/9 (controller CDI) A/D converter.
- P2001 check N3/9 (controller CDI) reference voltage
- P2001 check N3/9 (controller CDI) voltage supply 1.
- P2001 check N3/9 (controller CDI) voltage supply 2.

- P2001 check N3/9 (controller CDI).Circuit voltage supply unit fault
- P2001 Component N15/3 (ETC control module) is faulty.
- P2001 Malfunction of exhaust gas recirculation (functional chain)(P0400)
- P2001 N3/9 (controller CDI) reset identification error
- P2001-001 M16/6 (throttle valve regulation part),throttle valve position reliability [P0638]
- P2001-002 M16/6 (throttle valve regulation part),PWM-signal:limit 2[P0638]
- P2001-004 M16/6 (throttle valve regulation part),PWM-signal interrupt [P0638]
- P2001-008 M16/6 (throttle valve regulation part),PWM-signal:limit 1
- P2002 Component N15/3(ETC control module) is faulty.
- P2002 cylinder 1 lasting injection
- P2002 cylinder 2 lasting injection
- P2002 cylinder 3 lasting injection
- P2002 cylinder 4 lasting injection
- P2002 cylinder 5 lasting injection
- P2002 cylinder 6 lasting injection
- P2002 cylinder 7 lasting injection

P2002 cylinder 8 lasting injection

P2002-001 B37 (pedal position sensor) Hall sensor 1,positive short [P0123]

P2002-002 B37 (pedal position sensor) Hall sensor 1,short caused by open wire [P0122]

P2002-004 B37 (pedal position sensor) Hall sensor 2,positive short [P0223]

P2002-008 B37 (pedal position sensor) Hall sensor 2,short caused by open wire [P0222]

P2002-016 B37 (pedal position sensor) Hall sensor 1 voltage and Hall sensor 2 voltage not match [P0121]

P2003 check position regulator.Left air mass boost balance position on the high side

P2003 check position regulator.Right air mass boost balance position on the high side

P2003 Component N15/3(ETC control module) is faulty.

P2003 Malfunction of secondary air injection (function chain)(P0410)

P2003 right cylinder bank intake error (work link)(P0410)

P2003-001 controller sensor voltage supply over range,voltage too high

- P2003-002 controller sensor voltage over range,voltage too high
- P2004 B2/5 (HFM sensor)(P0100)
- P2004 B2/5 (Hot film MAF sensor)(P0100)
- P2004 check external voltage supply.Battery voltage too high
- P2004 check external voltage supply.Battery voltage too low
- P2004 check external voltage supply.Control of holding relay K40/7km (relay CDI) cutoff too early.
- P2004 check external voltage supply.KI.15:hardware (HW) turn-on;CAN-BUS turnoff
- P2004 check external voltage supply.Relay (diesel engine voltage supply relay) cutoff too late.
- P2004 Component N15/3(ETC control module) is faulty.
- P2004-001 B18 (high pressure sensor) signal,positive/wire open cause short [P0108]
- P2004-002 B18 (high pressure sensor) signal,overload short [P0107]
- P2004-004 B18 (high pressure sensor) signal,engine off B28 (pressure sensor) signal and B18

(high pressure sensor) signal different[P0106]

P2005 B11/4 (Coolant temperature sensor)(P0115)

P2005 B11/4 (refrigerant temperature sensor)(P0115)

P2005 check L5 (crankshaft position sensor).Impulse number invalid

P2005 check L5 (crankshaft position sensor).Negative rotate speed grads too large

P2005 check L5 (crankshaft position sensor).Over speed

P2005 check L5 (crankshaft position sensor).Positive rotate speed grads too large

P2005 check L5 (crankshaft position sensor).Signal interrupted while operating

P2005 check L5 (crankshaft position sensor).Signal interrupted while starting

P2005 check L5 (crankshaft position sensor).Synchronization between crankshaft and camshaft

Implausible

P2005 Component N15/3(ETC control module) is faulty.

P2005-001 B11/4 (refrigerant temperature sensor),positive/wire open cause short [P0118]

P2005-002 B11/4 (refrigerant temperature sensor),overload short [P0117]

P2005-004 B11/4 (refrigerant temperature sensor), adaptation required

minimal engine rpm

not reach [P0125]

P2005-008 B11/4 (refrigerant temperature sensor),signal error [P0116]

P2005-016 B11/4 (refrigerant temperature sensor),signal error [P0119]

P2005-032 refrigerant temperature rise too slow.[P0128]

P2006 B2/5b1 (intake temperature sensor)(P0110)

P2006 check B6/1 (camshaft Hall sensor).Signal too strong.Short to positive

P2006 check B6/1 (camshaft Hall sensor).Signal too weak.Short to ground

P2006 Component N15/3(ETC control module) is faulty.

P2006 fuel pre-supply pressure sensor implausible

P2006 fuel pre-supply pressure sensor signal value too large

P2006 fuel pre-supply pressure sensor signal value too small

P2006-001 B2/5b1 (outside air temperature sensor) signal,positive/wire open

cause short

[p0113]

P2006-002 B2/5b1 (outside air temperature sensor) signal,overload short

[P0112]

P2007 B28 (Pressure sensor)(P0105)

P2007 check B11/4 (coolant temperature sensor).Dynamic check implausible.

P2007 check B11/4 (coolant temperature sensor).Signal voltage too high.

P2007 check B11/4 (coolant temperature sensor).Signal voltage too low.

P2007 Component N15/3(ETC control module) is faulty.

P2007 control fuel pre-supply pressure,reliability

P2007 inspect difference between fuel pre-supply pressure and rating pressure

P2007 inspect fuel pre-supply pressure,fuel filter break

P2007 inspect fuel pre-supply pressure,fuel pre-supply pressure too low

P2007-001 A16 (knock sensor) [P0325]

P2008 check B40 (engine oil sensor (level,temperature and quality)).Engine oil sensor

intermittent error

P2008 check B40 (engine oil sensor (level,temperature and quality)).Level implausible.

P2008 check B40 (engine oil sensor (level,temperature and quality)).Not break down

synchronously.

P2008 check B40 (engine oil sensor (level,temperature and quality)).Oil quality implausible.

P2008 check B40 (engine oil sensor (level,temperature and quality)).Oil temperature

implausible.

P2008 check B40 (engine oil sensor (level,temperature and quality)).Short/no signal.

P2008 component G3/9 (right O2 sensor,before CAT,CYL 1-3) heating (P0135)

P2008 Component N15/3(ETC control module) is faulty.

P2008 Heating of component G3/4 (Right O2 sensor,before TWC[CAT])(P0135)

P2008 Rail pressure variation:The rail pressure is too high.

P2008 Rail pressure variation:The rail pressure is too low.

P2008-001 M16/6 (throttle valve regulation part) practical potentiometer

1,signal voltage too

high.

P2008-002 M16/6 (throttle valve regulation part) practical potentiometer

1,signal voltage too

low.

P2008-004 M16/6 (throttle valve regulation part) practical potentiometer 1 and

practical

potentiometer 2 comparison error

P2008-008 M16/6 (throttle valve regulation part) practical potentiometer 1 and

HFM voltage

signal comparison error

P2009 check B4/6 (fuel rail pressure sensor).Signal voltage too high.

P2009 check B4/6 (fuel rail pressure sensor).Signal voltage too low.

P2009 component G3/13 (right O2 sensor,after CAT,CYL 1-3)(P0141)

P2009 Component N15/3(ETC control module) is faulty.

P2009 fuel water content sensor.(fuel filter)

P2009 Heating of component G3/6 (Right O2 sensor,after

TWC[CAT])(P0141)

P2009-001 M16/6 (throttle valve regulation part) practical potentiometer

2,signal voltage too

high.

P2009-002 M16/6 (throttle valve regulation part) practical potentiometer

2,signal voltage too

low.

P2009-004 M16/6 (throttle valve regulation part) practical potentiometer

2,practical

potentiometer 1 comparison error

P2009-008 M16/6 (throttle valve regulation part) practical potentiometer 2 and

HFM voltage

signal comparison error

P200A Component N15/3(ETC control module) is faulty.

P200A Knock sensor system of control module N3/10 (ME-SFI control

module),Hardware fault

P200A-001 M16/6 (throttle valve regulation part) practical potentiometer,not initialization

P200A-002 M16/6 (throttle valve regulation part) practical potentiometer,position urgency start

P200A-004 M16/6 (throttle valve regulation part) practical potentiometer,adaptation urgency start

P200A-008 M16/6 (throttle valve regulation part) practical potentiometer,N3/10 (ME controller)

P200B Component N15/3(ETC control module) is faulty.

P200B cylinder 1-3 CAT too weak.(P0422)

P200B The efficiency of the right catalytic converter is insufficient.(P0422)

P200B-001 B2/5 (HF type AFM sensor),positive short [P0103]

P200B-002 B2/5 (HF type AFM sensor),overload/wire open cause short [P0102]

P200B-004 B2/5 (HF type AFM sensor),air mass sensor/throttle valve reliability error [P0101]

- P200C Component N15/3(ETC control module) is faulty.
- P200C G3/4 (Right O2 sensor,before TWC[CAT]) Aging,correction variable exceeded
- P200C G3/9 (right O2 sensor,before CAT,CYL 1-3) aging,calibration program jump over
- P200C-001 B6/1 (camshaft Hall sensor),no signal [P0340]
- P200C-002 B6/1 (camshaft Hall sensor),signal error [P0341]
- P200D Component N15/3 (ETC control module) is faulty.
- P200D Component N15/3(ETC control module) is faulty.
- P200D G3/4 (Right O2 sensor,before TWC[CAT]) Aging,period too long (P0133)
- P200D G3/9 (right O2 sensor,before CAT,CYL 1-3) aging,used too long (P0133)
- P200D-001 L5 (crankshaft position sensor),no signal [P0335]
- P200D-002 L5 (crankshaft position sensor),signal error [P0336]
- P200D-004 L5 (crankshaft position sensor),signal line/wire interrupt cause short [P0335]
- P200E G3/13 (right O2 sensor,after CAT,CYL 1-3) no special status variation

P200E G3/6 (Right O2 sensor,after TWC[CAT])

P200E-001 component N15/3 (EGS controller) trouble stored.[P0702]

P200E-002 component N15/3 (EGS controller) trouble stored.[P0753]

P200E-004 component N15/3 (EGS controller) trouble stored.[P0758]

P200E-008 component N15/3 (EGS controller) trouble stored.[P0763]

P200E-016 component N15/3 (EGS controller) trouble stored.[P0743]

P200E-032 component N15/3 (EGS controller) trouble stored.[P0748]

P200E-064 component N15/3 (EGS controller) trouble stored.[P0748]

P200E-128 component N15/3 (EGS controller) trouble stored.[P0702]

P200F G3/4 (Right O2 sensor,before TWC[CAT])(P0130)

P200F G3/9 (right O2 sensor,before CAT,CYL 1-3),too small voltage up
(P0130)

P200F-001 component N15/3 (EGS controller) trouble stored.[P0715]

P200F-002 component N15/3 (EGS controller) trouble stored.[P0705]

P200F-004 component N15/3 (EGS controller) trouble stored.[P0720]

P200F-008 component N15/3 (EGS controller) trouble stored.[P0700]

P200F-016 component N15/3 (EGS controller) trouble stored.[P0700]

P200F-032 component N15/3 (EGS controller) trouble stored.[P0740]

P200F-064 component N15/3 (EGS controller) trouble stored.[P0730]

P2010 Control module N15/3(ETC control module is not coded.

P2010 G3/13 (right O2 sensor,after CAT,CYL 1-3),electrical malfunction (P0136)

P2010 G3/6 (Right O2 sensor,after TWC[CAT])(P0136)

P2010-001 Y62/y1 (cylinder 1 fuel injector),positive short [P0262]

P2010-002 Y62/y1 (cylinder 1 fuel injector),overload short [P0261]

P2010-003 Y62/y1 (cylinder 1 fuel injector),wire interrupt [P0201]

P2011 A16/1 (Knock sensor 1,right)

P2011 check B2/6 (left hot film air flow meter).Implausible

P2011 check B2/6 (left hot film air flow meter).Signal voltage too high.

P2011 check B2/6 (left hot film air flow meter).Signal voltage too low.

P2011 check B2/6 (right hot film air flow meter).Signal voltage too high.

P2011 check B2/6 (right hot film air flow meter).Signal voltage too low.

P2011 check B2/7 (right hot film air flow meter).Implausible

P2011 check hot film air flow meter.Creditability error

P2011 The coding of the control unit N15/3 (ETC control module) is impermissible.

P2011 The coding of the control unit N15/3(ETC control module) is impermissible.

P2011-001 Y62/y3 (cylinder 3 fuel injector),positive short [P0268]

P2011-002 Y62/y3 (cylinder 3 fuel injector),overload short [P0267]

P2011-003 Y62/y3 (cylinder 3 fuel injector),wire interrupt [P0203]

P2012 check B17 (intake air temperature sensor).Signal voltage too high.

P2012 check B17 (intake air temperature sensor).Signal voltage too low.

P2012 The checksum of the standard software status for component N15/3 (ETC control module) is missing or is not entered.

P2012 Y58/4 (Activated charcoal canister shut-off valve)(P0446)

P2012 Y58/4 (canister lock valve)(work link)(P0446)

P2012-001 Y62/y4 (cylinder 4 fuel injector),positive short [P0271]

P2012-002 Y62/y4 (cylinder 4 fuel injector),overload short [P0270]

P2012-003 Y62/y4 (cylinder 4 fuel injector),wire interrupt [P0204]

P2013 check B28 (pressure sensor).Intake air pressure/atmosphere pressure implausible

P2013 check B28 (pressure sensor).Signal voltage too high.

P2013 check B28 (pressure sensor).Signal voltage too low.

P2013 check B28/5 (pressure sensor behind the air cleaner).Atmosphere pressure value implausible.

P2013 check B28/5 (pressure sensor behind the air cleaner).Intake air manifold pressure signal too large.

P2013 check B28/5 (pressure sensor behind the air cleaner).Intake air manifold pressure signal too small.

P2013 Component N15/3(ETC control module) is faulty.

P2013 EGR system severe leaks (P0455)

P2013 Major leak in purge system (P0455)

P2013 N3/9 (controller CDI)/atmosphere pressure sensor.Signal voltage too high.

P2013 N3/9 (controller CDI)/atmosphere pressure sensor.Signal voltage too low.

P2013-001 Y62/y2 (cylinder 2 fuel injector),positive short [P0265]

P2013-002 Y62/y2 (cylinder 2 fuel injector),overload short [P0264]

P2013-003 Y62/y2 (cylinder 2 fuel injector),wire interrupt [P0202]

P2014 check B19/3 (left catalyzer temperature sensor after supercharger).Signal voltage too

high.

P2014 check B19/3 (left catalyzer temperature sensor after supercharger).Signal voltage too

low.

P2014 check B19/4 (right catalyzer temperature sensor,after supercharger).Signal voltage too

high.

P2014 check B19/4 (right catalyzer temperature sensor,after supercharger).Signal voltage too

low.

P2014 check B19/5 (left catalyzer temperature sensor before supercharger).Signal voltage too

low.

P2014 check B19/5 (left catalyzer temperature sensor,before bottom catalyzer).Signal voltage too high.

P2014 check B19/6 (right catalyzer temperature sensor,before bottom catalyzer).Signal voltage too high.

P2014 check B19/6 (right catalyzer temperature sensor,before bottom catalyzer).Signal voltage too low.

P2014 EGR system slight leaks (P0442)

P2014 Purge control system has slight leak (P0442)

P2014-001 Y49 (camshaft control device regulation solenoid valve),positive short [P0010]

P2014-002 Y49 (camshaft control device regulation solenoid valve),overload short [P0010]

P2014-004 Y49 (camshaft control device regulation solenoid valve),wire interrupt [P0010]

P2014-008 Y49 (camshaft control device regulation solenoid valve),mechanical malfunction

[P0010]

P2015 check start control.Circuit open

P2015 check start control.short to ground

P2015 check start control.Short

P2015 EGR system leaks (work link)(P0440)

P2015 Purge control system has leak (function chain)(P0440)

P2015-001 S40/3 (clutch pedal switch),trouble

P2016 check Y76y1 (cylinder 1 fuel injector).Short

P2016 check Y76y2 (cylinder 2 fuel injector).Short

P2016 check Y76y3 (cylinder 3 fuel injector).Short

P2016 check Y76y4 (cylinder 4 fuel injector).Short

P2016 check Y76y5 (cylinder 5 fuel injector).Short

P2016 check Y76y6 (cylinder 6 fuel injector).Short

P2016 check Y76y7 (cylinder 7 fuel injector).Short

P2016 check Y76y8 (cylinder 8 fuel injector).Short

P2016 cylinder 1-3 mixture self regulation reach limit (part load)(P0170)

P2016 Self-adaptation of mixture formation for right bank of cylinders is at limit value (at part load).(P0170)

P2016-001 Y58/1 (EGR device switch-over valve),positive short [P0445]

P2016-002 Y58/1 (EGR device switch-over valve),overload short [P0445]

P2016-004 Y58/1 (EGR device switch-over valve),wire interrupt [P0444]

P2016-008 Y58/1 (EGR device switch-over valve),valve stick condition:open [P0443]

P2017 check Y76y1 (cylinder 1 fuel injector).Fault

P2017 check Y76y2 (cylinder 2 fuel injector).Fault

P2017 check Y76y3 (cylinder 3 fuel injector).Fault

P2017 check Y76y4 (cylinder 4 fuel injector).Fault

P2017 check Y76y5 (cylinder 5 fuel injector).Fault

P2017 check Y76y6 (cylinder 6 fuel injector).Fault

P2017 check Y76y7 (cylinder 7 fuel injector).Fault

P2017 check Y76y8 (cylinder 8 fuel injector).Fault

P2017 cylinder 1-3 mixture self regulation reach limit (idle)(P0170)

P2017 Self-adaptation of mixture formation for right bank of cylinders is at limit value (at idle speed).(P0170)

P2017-001 K40k1 (fuel pump relay)/K27 (fuel pump relay)/N10/2kA (fuel pump relay),positive short

P2017-002 K40k1 (fuel pump relay)/K27 (fuel pump relay)/N10/2kA (fuel pump relay),overload short

P2017-004 K40k1 (fuel pump relay)/K27 (fuel pump relay)/N10/2kA (fuel pump relay),wire interrupt

P2018 check M3 (fuel pump).Circuit open

P2018 check M3 (fuel pump).Short to ground

P2018 check M3 (fuel pump).Short

P2018 cylinder 1-3 mixture self regulation reach limit (between idle and part load)

P2018 Self-adaptation of mixture formation for right bank of cylinders is at limit value

(between idle speed and part load).(P0170)

P2018-001 Y32 (air pump switch-over valve),positive short [P0414]

P2018-002 Y32 (air pump switch-over valve),overload short [P0414]

P2018-004 Y32 (air pump switch-over valve),wire interrupt [P0413]

P2019 check Y74 (pressure regulation valve).Current in pressure regulation valve too small

P2019 check Y74 (pressure regulation valve).Current pressure regulation valve too large

P2019 check Y74 (pressure regulation valve).Regulation error

P2019 check Y94 (flux regulation valve).Current too large

P2019 check Y94 (flux regulation valve).Current value too small

P2019 check Y94 (flux regulation valve).Regulation error too large

P2019 Power output limited because of excessively high temperature of coolant

P2019 power restricted by high refrigerant temperature

P2019-001 K40/4k3 (air pump relay),N10/1KO (air pump relay),positive short
[P0410]

P2019-002 K40/4k3 (air pump relay),N10/1KO (air pump relay),overload
short [P0410]

P201A B6/1 (Camshaft Hall sensor)(P0341)

P201A B6/3 (camshaft Hall sensor,right cylinder bank)(P0341)

P201A-001 wheel adaptive sensor,gear gap error/mechanical malfunction
[P0335]

P201A-002 wheel adaptive sensor,error regulation [P0335]

P201B component N3/10 (ME controller) supply voltage (P0560)

P201B Voltage supply of component N3/10 (ME-SFI control module)(P0560)

P201B-001 cylinder 1 interrupt device,CAT malfunction [P0301]

P201B-002 cylinder 3 interrupt device,CAT malfunction [P0303]

P201B-004 cylinder 4 interrupt device,CAT malfunction [P0304]

P201B-008 cylinder 2 interrupt device,CAT malfunction [P0302]

P201B-016 cylinder 1 interrupt device,CAT malfunction fuel insufficient

P201B-032 cylinder 3 interrupt device,CAT malfunction fuel insufficient

P201B-064 cylinder 4 interrupt device,CAT malfunction fuel insufficient

P201B-128 cylinder 2 interrupt device,CAT malfunction fuel insufficient

P201C B4/3 (fuel tank pressure sensor),electrical malfunction (P0450)

P201C Misfiring at several cylinders [P0300]

P201C-001 cylinder 1 interrupt device [P0301]

P201C-002 cylinder 3 interrupt device [P0303]

P201C-004 cylinder 4 interrupt device [P0304]

P201C-00 cylinder 2 interrupt device [P0302]

P201C-016 cylinder 1 interrupt device fuel insufficient

P201C-032 cylinder 3 interrupt device fuel insufficient

P201C-064 cylinder 4 interrupt device fuel insufficient

P201C-128 cylinder 2 interrupt device fuel insufficient

P201D Y62y1 (cylinder 1 injector)(P0201)

P201D Y62y1 (Fuel injector cylinder 1)(P0201)

P201D-001 mixture formation unit adaptation,part load mixture too rich.[P0172]

P201D-002 mixture formation unit adaptation,part load mixture too lean.[P0171]

P201D-004 mixture formation unit adaptation,idle mixture too rich.[P0172]

P201D-008 mixture formation unit adaptation,idle mixture too lean.[P0171]

P201E Y62y5 (cylinder 1 injector)(P0205)

P201E Y62y5 (Fuel injector cylinder 5)(P0205)

P201E-001 CAT effect too small [P0420]

P201F Y62y3 (cylinder 5 injector)(P0203)

P201F Y62y4 (Fuel injector cylinder 4)(P0204)

P201F-001 B40 (engine oil sensor (engine oil condition,temperature and quality)),electrical

malfunction

P201F-002 B40 (engine oil sensor (engine oil condition,temperature and quality)),engine oil

temperature

P201F-004 B40 (engine oil sensor (engine oil condition,temperature and quality)),engine oil

quality

P201F-008 B40 (engine oil sensor (engine oil condition,temperature and quality)),engine oil

condition

P201F-016 B40 (engine oil sensor (engine oil condition,temperature and quality)),engine oil

quality error

P2020 check fuel rail pressure:B4/6 (fuel rail pressure sensor) racing test.

P2020 check fuel rail pressure:Y74 (pressure regulation valve) racing test.

P2020 check fuel rail pressure:Y94 (flux regulation valve) racing test.

P2020 check Y74 (pressure regulation valve).Short

P2020 check Y94 (flux regulation valve).Short

P2020 Y62y2 (Fuel injector cylinder 2)(P0202)

P2020 Y62y6 (cylinder 5 injector)(P0206)

P2020-001 M4/3 (engine/A/C electronic intake air device),positive short

P2020-002 M4/3 (engine/A/C electronic intake air device),overload/wire open
cause short

P2021 check Y74 (pressure regulation valve).Current in pressure regulation
valve too large

P2021 check Y74 (pressure regulation valve).Current in pressure regulation
valve too

small.Fuel rail pressure too high.

P2021 check Y74 (pressure regulation valve).Current/fuel rail pressure too large

P2021 check Y74 (pressure regulation valve).Current/fuel rail pressure too small

P2021 check Y74 (pressure regulation valve).Fuel rail pressure too small.

P2021 check Y74 (pressure regulation valve).Maximal pressure will be rewrite.

P2021 check Y74 (pressure regulation valve).Negative regulation error

P2021 check Y74 (pressure regulation valve).Regulation error too large

P2021 Y62y2 (cylinder 5 injector)(P0202)

P2021 Y62y6 (Fuel injector cylinder 6)(P0206)

P2021-001 starter relay,positive short

P2021-002 starter relay,overload/wire open cause short

P2022 check fuel injector.Cylinder 1 misfire

P2022 check fuel injector.Cylinder 2 misfire

P2022 check fuel injector.Cylinder 3 misfire

P2022 check fuel injector.Cylinder 4 misfire

P2022 check fuel injector.Cylinder 5 misfire

P2022 check fuel injector.Cylinder 6 misfire

P2022 check fuel injector.Cylinder 7 misfire

P2022 check fuel injector.Cylinder 8 misfire

P2022 Y62y3 (Fuel injector cylinder 3)(P0203)

P2022 Y62y4 (cylinder 5 injector)(P0204)

P2022-001 component G3/2 (before CAT O2 sensor) heating device,positive short [P0135]

P2022-002 component G3/2 (before CAT O2 sensor) heating device,overload short [P0135]

P2022-004 component G3/2 (before CAT O2 sensor) heating device,wire interrupt [P0135]

P2022-008 component G3/2 (O2 sensor before CAT) heating device,heating power too small.[P0135]

P2023 check Y83 (intake air manifold turnoff switch valve).Circuit open

P2023 check Y83 (intake air manifold turnoff switch valve).It is OFF when left intake air

manifold is closed.

P2023 check Y83 (intake air manifold turnoff switch valve).It is OFF when right intake air manifold is closed.

P2023 check Y83 (intake air manifold turnoff switch valve).It is ON when left intake air manifold is closed.

P2023 check Y83 (intake air manifold turnoff switch valve).It is ON when right intake air manifold is closed.

P2023 check Y83 (intake air manifold turnoff switch valve).Short to ground

P2023 check Y83 (intake air manifold turnoff switch valve).Short

P2023 K40/7kN (air pump relay)(P0410)

P2023 K40/7kN (Air pump relay)(P0410)

P2023-001 component G3/1 (O2 sensor before CAT) heating device,positive short [P0141]

P2023-002 component G3/1 (O2 sensor before CAT) heating device,overload short [P0141]

P2023-004 component G3/1 (O2 sensor before CAT) heating device,wire interrupt [P0141]

P2023-008 component G3/2 (O2 sensor before CAT) heating device,heating power too

small.[P0141]

P2024 check Y27/10 (right exhaust gas recirculation regulator) regulator fault (via ground key).

P2024 check Y27/10 (right exhaust gas recirculation regulator).Circuit open

P2024 check Y27/10 (right exhaust gas recirculation regulator).Short to ground

P2024 check Y27/10 (right exhaust gas recirculation regulator).Short

P2024 check Y27/9 (left exhaust gas recirculation regulator) regulator fault (via ground key).

P2024 check Y27/9 (left exhaust gas recirculation regulator).Circuit open

P2024 check Y27/9 (left exhaust gas recirculation regulator).Short to ground

P2024 check Y27/9 (left exhaust gas recirculation regulator).Short

P2024 Y32 (Air pump switchover valve)(P0412)

P2024 Y32/2 (air pump switch-over valve,right cylinder bank)(P0412)

P2024-001 B28 (pressure sensor),positive short/wire open cause short [P0108]

- P2024-002 B28 (pressure sensor),overload short [P0107]
- P2024-004 B28 (pressure sensor),engine inactive B28 (pressure sensor) signal not equal to B18 (high pressure sensor) signal [P0106]
- P2025 check M16/5 (throttle valve regulator).Circuit open
- P2025 check M16/5 (throttle valve regulator).M16/5 (throttle valve regulator) regulator fault (via ground key).
- P2025 check M16/5 (throttle valve regulator).Short to ground
- P2025 check M16/5 (throttle valve regulator).Short
- P2025 Y58/4 (Activated charcoal canister shut-off valve)(P0446)
- P2025 Y58/4 (canister closedown valve)(P0446)
- P2025-001 T1/1 (cylinder 1 ignition coil) ignition duration,value too small [P0351]
- P2025-002 T1/1 (cylinder 1 ignition coil) primary voltage [P0351]
- P2025-004 T1/3 (cylinder 3 ignition coil) ignition duration,value too small [P0353]
- P2025-008 T1/3 (cylinder 3 ignition coil) primary voltage [P0353]

P2025-016 T1/4 (cylinder 4 ignition coil) ignition duration,value too small
[P0354]

P2025-032 T1/4 (cylinder 4 ignition coil) primary voltage [P0354]

P2025-064 T1/2 (cylinder 2 ignition coil) ignition duration,value too small
[P0352]

P2025-128 T1/2 (cylinder 2 ignition coil) primary voltage [P0352]

P2026 exhaust gas recirculation negative regulation deviation/exhaust gas
recirculation rate too
high.

P2026 exhaust gas recirculation positive regulation deviation/exhaust gas
recirculation rate too
low.

P2026 Y58/1 (EGR switch-over valve)(P0443)

P2026 Y58/1 (Purge control valve)(P0443)

P2026-001 CAN BUS signal from N15/3 (EGS controller) controller,CAN
BUS signal error
[P0600]

P2026-002 CAN BUS signal from N15/3 (EGS controller) controller,CAN
BUS signal error

[P0600]

P2026-004 CAN BUS signal from N15/3 (EGS controller) controller,CAN
BUS signal error

(torque) [P0600]

P2026-008 CAN BUS signal from N15/3 (EGS controller) controller,CAN
BUS signal error

[P0600]

P2026-016 CAN BUS signal from N15/3 (EGS controller) controller,CAN
BUS signal

interrupt [P0600]

P2027 Y100 (left boost regulator) circuit open

P2027 Y100 (left boost regulator) regulator fault (via ground key).

P2027 Y100 (left boost regulator) short to ground

P2027 Y100 (left boost regulator) short

P2027 Y100/1 (right boost regulator) circuit open

P2027 Y100/1 (right boost regulator) regulator fault (via ground key).

P2027 Y100/1 (right boost regulator) short to ground

P2027 Y100/1 (right boost regulator) short

P2027 Y31/1 (EGR vacuum transducer)(P0403)

P2027-001 CAN BUS signal from N47-5 (ESP,PML and BAS controller)

controller,CAN BUS

signal error

P2027-002 CAN BUS signal from N47-5 (ESP,PML and BAS controller)

controller,CAN BUS

signal error

P2027-004 CAN BUS signal from N47-5 (ESP,PML and BAS controller)

controller,CAN BUS

signal error

P2027-008 CAN BUS signal from N47-5 (ESP,PML and BAS controller)

controller,CAN BUS

signal error (torque)

P2027-016 CAN BUS signal from N47-5 (ESP,PML and BAS controller)

controller,CAN BUS

signal interrupt [P0600]

P2027-032 CAN BUS signal from N47-5 (ESP,PML and BAS controller)

controller,CAN BUS

signal from (brake light switch)

P2027-064 CAN BUS signal from N47-5 (ESP,PML and BAS controller)

controller,CAN BUS

signal from (brake light switch)

P2028 boost regulator negative regulation deviation/boost pressure too high.

P2028 boost regulator positive regulation deviation/boost pressure too low.

P2028 the fill-in coefficient of this component exceeded

P2028 Y49/2 (camshaft adjusting valve,right cylinder bank)(P0340)

P2028-001 battery voltage too low [P0562]

P2028-002 battery voltage too high/error [P0563]

P2029 check S40/4 (button type switch TPM with variable speed limit).Closed

P2029 check S40/4 (button type switch TPM with variable speed

limit).Negative acceleration

limit

P2029 check S40/4 (button type switch TPM with variable speed

limit).Positive acceleration

limit

P2029 right cylinder bank camshaft adjustment (work link)(P0340)

P2029-001 engine RPM signal,error

P202A left cylinder bank camshaft adjustment (work link)(P0340)

P202A-004 mixture formation unit adaptation lean [P0172]

P202A-008 mixture formation unit adaptation too rich [P0171]

P202B idle regulation error (P0507)

P202B Idle speed control implausible (P0507)

P202B-001 CAN BUS signal from ESP controller,speed signal error [P0500]

P202B-002 CAN BUS signal from ESP controller,speed signal error

P202B-004 CAN BUS signal from ESP controller,speed signal error

P202B-008 CAN BUS signal from ESP controller,speed signal error

P202B-016 CAN BUS signal from ESP controller,speed signal error

P202C Coolant thermostat (P0115)

P202C refrigerant temperature regulator (P0115)

P202C-001 CAN BUS signal from EIS controller,CAN BUS signal interrupt

P202C-002 signal from EIS controller CAN BUS,CAN BUS signal error

P202C-004 CAN BUS signal from EIS controller,CAN BUS signal error

P202C-008 CAN BUS signal from EIS controller,CAN BUS signal interrupt
drive authority

P202D B11/4 (Coolant temperature sensor),Plausibility (P0115)

P202D B11/4 (refrigerant temperature sensor),reliability (P0115)

P202D-001 CAN BUS signal from combination instrument controller,CAN
BUS signal
interrupt

P202D-002 CAN BUS signal from combination instrument controller,fuel tank
charging
condition error

P202D-004 CAN BUS signal from combination instrument controller,outside
temperature error

P202E M16/6 (throttle valve actuator)(P0120)

P202E M16/6 (throttle valve regulator)(P0120)

P202E-001 CAN BUS signal from KLA/TAU controller,CAN BUS signal
interrupt

P202F No or incorrect CAN message from control unit N51/2 (ABC control
module)(P0600)

P202F no signal or error signal from N51/2 (ABC controller) controller BUS
(P0600)

P202F-001 CAN BUS error,1 CAN BUS controller:CAN off [P0600]

P202F-002 CAN BUS error,2 CAN BUS controller:CAN off [P0600]

P2030 check heat time control.Communication fault

P2030 check heat time control.N14/2 (pre-heating plug output stage) fault

P2030 check heat time control.Pre-heating indicator fault

P2030 check heat time control.Pre-heating plug short

P2030 No faulty code text

P2030 No faulty code text

P2030 No or incorrect CAN message from control unit N15/5 (electronic
selector lever module
control module)(P0600)

P2030 no signal or error signal from N15/5 (electronic shift lever mode
controller) controller

BUS (P0600)

P2030-001 crash signal,error

P2030-002 crash signal,front crash

P2030-004 Crash signal,positive short

P2031 cylinder 1 pre-heating plug

P2031 cylinder 2 pre-heating plug

P2031 cylinder 3 pre-heating plug

P2031 cylinder 4 pre-heating plug

P2031 cylinder 5 pre-heating plug

P2031 cylinder 6 pre-heating plug

P2031 cylinder 7 pre-heating plug

P2031 cylinder 8 pre-heating plug

P2031 No faulty code text

P2031 No or incorrect CAN message from control unit N80 (Jacket tube module)(P0600)

P2031 no signal or error signal from N15/5 (electronic shift lever mode controller) controller

BUS (P0600)

P2031-002 G3/2 (before CAT O2 sensor) aging,used too long [P0133]

P2031-004 G3/2 (before CAT O2 sensor),overload short [P0131]

P2031-008 G3/2 (before CAT O2 sensor),positive short [P0132]

P2031-016 G3/2 (before CAT O2 sensor),interrupt [P0130]

P2031-032 G3/2 (before CAT O2 sensor) at off sensor signal error [P0130]

P2032 M16/6r1 (Throttle valve actual value potentiometer)(P0120)

P2032 M16/6r1 (throttle valve practical potentiometer)(P0120)

P2032 transmission control 1 EGS fault 1

P2032 transmission control 1 EGS fault 2

P2032 transmission control 1 EGS fault 3

P2032 transmission control 1 EGS fault 4

P2032 transmission control 1 EGS fault 5

P2032 transmission control 1 EGS fault 6

P2032 transmission control 1 EGS fault 7

P2032 transmission control 1 EGS fault 8

P2032-001 EGR,very slight leak [P0456]

P2032-002 EGR,slight leak [P0442]

P2032-004 EGR,severe leak [P0455]

P2032-008 EGR,fuel tank cover lose (idle error identified).[P0457]

P2032-016 EGR,fuel tank cover lose (driving error identified).[P0457]

P2033 S40/4 (CC switch with variable speed limiter)

- P2033 S40/4 (TPM touch switch with variable speed limit)
- P2033 transmission control 2 EGS fault 1
- P2033 transmission control 2 EGS fault 2
- P2033 transmission control 2 EGS fault 3
- P2033 transmission control 2 EGS fault 4
- P2033 transmission control 2 EGS fault 5
- P2033 transmission control 2 EGS fault 6
- P2033 transmission control 2 EGS fault 7
- P2033 transmission control 2 EGS fault 8
- P2033-001 Y58/4 (canister cut-off valve),positive short [P0448]
- P2033-002 Y58/4 (canister cut-off valve),overload short [P0448]
- P2033-004 Y58/4 (canister cut-off valve),wire open [P0447]
- P2033-008 Y58/4 (canister cut-off valve),valve stick condition:off [P0446]
- P2034 check SRS system.Air bag signal short after UB
- P2034 check SRS system.Air bag signal will cause the engine stop.
- P2034 L5 (crankshaft position sensor)(P0335)
- P2034 L5 (Crankshaft position sensor)(P0335)
- P2034-001 speed meter interrupt,throttle valve malfunction

- P2034-002 speed meter interrupt,brake light switch malfunction
- P2034-004 speed meter interrupt,touch switch error
- P2034-008 speed meter interrupt,brake light switch CAN BUS signal error
- P2035 check M4/7 (electric inspiration motor and integrated A/C).Circuit open
- P2035 check M4/7 (electric inspiration motor and integrated A/C).Short to ground
- P2035 check M4/7 (electric inspiration motor and integrated A/C).Short
- P2035 M4/7 (electric inspiration motor and integrated A/C) regulator fault (via ground key).
- P2035-001 N3/10 (ME controller),malfunction [P0221]
- P2035-002 N3/10 (ME controller),malfunction [P0221]
- P2035-004 N3/10 (ME controller),malfunction [P0221]
- P2035-008 N3/10 (ME controller),malfunction [P0221]
- P2035-016 N3/10 (ME controller),malfunction [P0226]
- P2035-032 N3/10 (ME controller),malfunction [P0226]
- P2035-064 N3/10 (ME controller),malfunction [P0226]
- P2035-128 N3/10 (ME controller),malfunction [P0221]
- P2036 check N33/2 (heat controller) producer.

- P2036 N33/2 (heat controller) circuit open
- P2036 N33/2 (heat controller) regulator fault (via ground key).
- P2036 N33/2 (heat controller) short to ground
- P2036 N33/2 (heat controller) short
- P2036 No or incorrect CAN message from control unit N47-5 (ESP control module)(P0600)
- P2036 no signal or error signal from N47-5 (ESP controller) controller BUS (P0600)
- P2036-001 intake air device:wrong operation (work link),air flow too small.[P0410]
- P2037 check radiator shutter/engine mount.Engine mount circuit open
- P2037 check radiator shutter/engine mount.Engine mount regulator fault (via ground key)
- P2037 check radiator shutter/engine mount.Engine mount short to ground
- P2037 check radiator shutter/engine mount.Radiator shutter circuit open
- P2037 check radiator shutter/engine mount.Radiator shutter regulator fault (via ground key).
- P2037 check radiator shutter/engine mount.Radiator shutter short to ground

- P2037 No or incorrect CAN message from control unit N15/3 (ETC control module)(P0600)
- P2037 no signal or error signal from N15/3 (EGS controller) controller BUS (P0600)
- P2037-001 B4/3 (fuel tank pressure sensor),overload short [P0452]
- P2037-002 B4/3 (fuel tank pressure sensor),positive short/wire open [P0453]
- P2037-004 B4/3 (fuel tank pressure sensor),signal reliability malfunction/fuel tank cover lose.[P0451]
- P2037-008 B4/3 (fuel tank pressure sensor),signal reliability malfunction [P0451]
- P2038 A16/2 (knock sensor 2,left)
- P2038 check M44 (booster air cooler circulation pump).Circuit open
- P2038 check M44 (booster air cooler circulation pump).Short to ground
- P2038 check M44 (booster air cooler circulation pump).Short
- P2038-001 charging pressure too low.[P0243]
- P2038-002 charging pressure too high.[P0243]
- P2039 CAN-fault,fault 1

P2039 CAN-fault,fault 2

P2039 check CAN.CAN signal from controller N51/2 (controller ABC)

(airmatic) error or

interfered

P2039 check CAN.CAN-data bus open

P2039 check CAN.CAN-signal from A1 (instrument cluster) error

P2039 check CAN.CAN-signal N15/5 (electronic shift lever module

controller) error

P2039 component B40 (oil condition,temperature and quality):oil condition

error

P2039 Component B40 (Oil sensor (oil level,temperature and quality)):oil

level implausible

P2039-001 M16/7 (air exchange valve adjustment part),not initialization

[P0243]

P2039-002 M16/7 (air exchange valve adjustment part),urgency start position

[P0243]

P2039-004 M16/7 (air exchange valve adjustment part),urgency start

regulation

P203A insufficient fuel (P0460)

P203A The fuel tank level is too low.(P0460)

P203A-001 M16/7 (air exchange valve adjustment part),practical
potentiometer 1 signal

voltage too high.[P0246]

P203A-002 M16/7 (air exchange valve adjustment part),practical
potentiometer 1 signal

voltage too low.[P0245]

P203A-004 M16/7 (air exchange valve adjustment part),practical
potentiometer 2 signal

voltage too high.[P0246]

P203A-008 M16/7 (air exchange valve adjustment part),practical
potentiometer 2 signal

voltage too low.[P0245]

P203A-016 M16/7 (air exchange valve adjustment part),practical
potentiometer comparison

error [P0244]

P203A-032 M16/7 (air exchange valve adjustment part),air exchange valve stick.[P0244]

P203A-064 M16/7 (air exchange valve adjustment part),urgency start position not reach

P203A-128 M16/7 (air exchange valve adjustment part),drive servo motor [P0244]

P203B electronic accelerograph action inspection component malfunction (P0221)

P203B Fault of function monitor in electronic accelerator (P0221)

P203B-001 G3/1 (O2 sensor after CAT),overload short [P0137]

P203B-002 G3/1 (O2 sensor after CAT),positive short [P0138]

P203B-004 G3/1 (O2 sensor after CAT),interrupt [P0136]

P203B-008 G3/1 (O2 sensor after CAT),draw off sensor error [P0136]

P203B-016 G3/1 (O2 sensor after CAT),'aging' signal error [P0140]

P203C Fault of priority 1:fault of function monitor in electronic accelerator (P0221)

P203C priority 1 error:electronic accelerograph action inspection component malfunction

(P0221)

P203C-001 engine RPM signal,error

P203C-002 engine RPM signal,positive short

P203C-004 engine RPM signal,overload short

P203D Angle variation of camshaft to crankshaft (P0370)

P203D rotate angle error between right cylinder bank camshaft and crankshaft

(P0370)

P203D-001 N15/6 (automatic shift transmission controller) urgency

start,controller N15/6

(automatic shift transmission controller) requested power

P203D-002 N15/6 (automatic shift transmission controller) urgency

start,controller N15/6

(automatic shift transmission controller) requested power

P203D-004 N15/6 (automatic shift transmission controller) urgency

start,controller N15/6

(automatic shift transmission controller) requested power

P203E BUS signal error from combination instrument (P0600)

P203E No CAN message from instrument cluster or message faulty.(P0600)

P203E-001 speed auto control,electronic accelerograph pedal urgency start

P203E-002 speed auto control,speed meter switch position error

P203F-001 N3/10 (ME controller),error [P0221]

P203F-002 N3/10 (ME controller),engine traction torque [P0221]

P203F-004 CAN BUS error (ESP,EGS,EIS)

P203F-008 N3/10 (ME controller),error

P2040 check anti-theft lock.Controller N3/9 (controller CDI) and controller N73 (controller EIS) disaccord.

P2040 check anti-theft lock.EEPROM fault.

P2040 check anti-theft lock.No signal from component N73 (controller EIS)

P2040 component B40 (engine oil sensor (engine oil condition,temperature and quality)):oil quality error

P2040 Component B40 (Oil sensor (oil level,temperature and quality)):oil quality implausible

P2040-001 signal from EWM controller CAN BUS,CAN BUS interrupt

P2041 check N73 (controller EIS).Fault 1

- P2041 check N73 (controller EIS).Fault 2
- P2041 check N73 (controller EIS).Fault 3
- P2041 check N73 (controller EIS).Fault 4
- P2041 check N73 (controller EIS).Signal error EIS
- P2041 check N73 (controller EIS).Signal error N80 (sleeve module)
- P2041 component B40 (engine oil sensor (engine oil condition,temperature and quality)):water
in engine oil
- P2041 Component B40 (Oil sensor (oil level,temperature and quality)):Water
in engine oil
- P2041-001 N3/10 (ME controller),controller EEPROM error [P0605]
- P2041-002 N3/10 (ME controller),internal error [P0606]
- P2041-004 N3/10 (ME controller),communication error [P0606]
- P2042 check B37 (accelerator pedal position sensor).Sensor 1 signal voltage
too high.
- P2042 check B37 (accelerator pedal position sensor).Sensor 1 signal voltage
too low.
- P2042 check B37 (accelerator pedal position sensor).Sensor 1/2 reliability

P2042 check B37 (accelerator pedal position sensor).Sensor 2 signal voltage too high.

P2042 check B37 (accelerator pedal position sensor).Sensor 2 signal voltage too low.

P2042 check B37 (accelerator pedal position sensor).Sensor voltage supply

P2042 fuel safety cut-off unit recognized

P2042 Safety fuel shutoff detected

P2042-001 M16/6 (throttle valve regulation part),practical potentiometer 1 and 2:signal voltage

error or regulation malfunction [P0120]

P2043 large external interference from EGS.Cannot receive all CAN information.

P2043 large external interference from EGS.CAN-signal implausible.

P2043 large external interference from EGS.No CAN-communication with component EGS

P2043 large external interference from EGS.Request information of controller EGS

implausible.

- P2043 misfire (P0300)
- P2043 Misfiring (P0300)
- P2044 cylinder 1 misfire (P0301)
- P2044 large external interference from ESP.Cannot receive all CAN information.
- P2044 large external interference from ESP.CAN-signal implausible.
- P2044 large external interference from ESP.No communication
- P2044 large external interference from ESP.Request of controller DTR implausible.
- P2044 large external interference from ESP.Signal error
- P2044 Misfiring of cylinder 1 (P0301)
- P2045 cylinder 5 misfire (P0305)
- P2045 large external interference from controller DTR.Cannot receive all CAN information.
- P2045 large external interference from controller DTR.CAN-signal implausible.
- P2045 large external interference from controller DTR.No communication

P2045 large external interference from controller DTR.Request of controller DTR implausible.

P2045 Misfiring of cylinder 5 (P0305)

P2046 brake CAN-signal implausible.

P2046 check brake.Cannot receive all CAN information.

P2046 check brake.Signal error

P2046 cylinder 3 misfire (P0303)

P2046 Misfiring of cylinder 4 (P0304)

P2047 A/C fault 1

P2047 A/C fault 2

P2047 cylinder 6 misfire (P0306)

P2047 Misfiring of cylinder 2 (P0302)

P2048 cylinder 2 misfire (P0302)

P2048 Misfiring of cylinder 6 (P0306)

P2049 cylinder 4 misfire (P0304)

P2049 Misfiring of cylinder 3 (P0303)

P204A cylinder 7 misfire (P0307)

P204A Misfiring of cylinder 7 (P0307)

- P204B cylinder 11 misfire (P0311)
- P204B Misfiring of cylinder 8 (P0308)
- P204C cylinder 9 misfire (P0309)
- P204D cylinder 12 misfire (P0312)
- P204E cylinder 8 misfire (P0308)
- P204F cylinder 10 misfire (P0310)
- P2050 interrupt,CAT damaged (P0300)
- P2050 Misfiring,Damages TWC (P0300)
- P2051 cylinder 1 misfire,CAT damaged (P0301)
- P2051 Misfiring of cylinder 1,damages TWC (P0301)
- P2052 cylinder 5 misfire,CAT damaged (P0305)
- P2052 Misfiring of cylinder 5,damages TWC (P0305)
- P2053 cylinder 3 misfire,CAT damaged (P0303)
- P2053 Misfiring of cylinder 4,damages TWC (P0304)
- P2054 cylinder 6 misfire,CAT damaged (P0306)
- P2054 Misfiring of cylinder 2,damages TWC (P0302)
- P2055 cylinder 2 misfire,CAT damaged (P0302)
- P2055 Misfiring of cylinder 6,damages TWC (P0306)

- P2056 cylinder 4 misfire,CAT damaged (P0304)
- P2056 Misfiring of cylinder 3,damages TWC (P0303)
- P2057 cylinder 7 misfire,CAT damaged (P0307)
- P2057 Misfiring of cylinder 7,damages TWC (P0307)
- P2058 cylinder 11 misfire,CAT damaged (P0311)
- P2058 Misfiring of cylinder 8,damages TWC (P0308)
- P2059 cylinder 9 misfire,CAT damaged (P0309)
- P205A cylinder 12 misfire,CAT damaged (P0312)
- P205B cylinder 8 misfire,CAT damaged (P0308)
- P205C cylinder 10 misfire,CAT damaged (P0310)
- P205E Component N15/3 (ETC control module) memory is fault.(P0702)
- P205E fault stored in component N15/3 (EGS controller).(P0702)
- P205F Component N15/3 (ETC control module) memory is fault.(P0753)
- P205F fault stored in component N15/3 (EGS controller).(P0753)
- P2060 Component N15/3 (ETC control module) memory is fault.(P0758)
- P2060 fault stored in component N15/3 (EGS controller).(P0758)
- P2061 Component N15/3 (ETC control module) memory is fault.(P0763)
- P2061 fault stored in component N15/3 (EGS controller).(P0763)

- P2062 Component N15/3 (ETC control module) memory is fault.(P0743)
P2062 fault stored in component N15/3 (EGS controller).(P0743)
- P2063 Component N15/3 (ETC control module) memory is fault.(P0748)
P2063 fault stored in component N15/3 (EGS controller).(P0748)
- P2064 Component N15/3 (ETC control module) memory is fault.(P0748)
P2064 fault stored in component N15/3 (EGS controller).(P0748)
- P2065 Component N15/3 (ETC control module) memory is fault.(P0702)
P2065 fault stored in component N15/3 (EGS controller).(P0702)
- P2066 Component N15/3 (ETC control module) memory is fault.(P0715)
P2066 fault stored in component N15/3 (EGS controller).(P0715)
- P2067 Component N15/3 (ETC control module) memory is fault.(P0705)
P2067 fault stored in component N15/3 (EGS controller).(P0705)
- P2068 Component N15/3 (ETC control module) memory is fault.(P0720)
P2068 fault stored in component N15/3 (EGS controller).(P0720)
- P2069 Component N15/3 (ETC control module) memory is fault.(P0700)
P2069 fault stored in component N15/3 (EGS controller).(P0700)
- P206A Component N15/3 (ETC control module) memory is fault.(P0700)
P206A fault stored in component N15/3 (EGS controller).(P0700)

- P206B Component N15/3 (ETC control module) memory is fault.(P0740)
- P206B fault stored in component N15/3 (EGS controller).(P0740)
- P206D Component N15/3 (ETC control module) memory is fault.(P0730)
- P206D fault stored in component N15/3 (EGS controller).(P0730)
- P206E Control module ME-SFI 2.8 is incorrectly coded (coded to MT,vehicle has AT)
- P206E ME 2.7 controller incorrect coded (according to AT code,car has MT)
- P206F Control module ME-SFI 2.8 is incorrectly coded or there is fault in the CAN communication with control module N15/3 (ETC control module)
- P206F ME 2.7 controller incorrectly coded or communication error with N15/3 (EGS controller) controller BUS
- P2070 as component N15/3 (EGS controller) voltage is too low,transmission variables can not be checked
- P2070 Transmission version cannot be checked because of undervoltage at component N15/3

(ETC control module)

P2071 Start enable of DAS not sent

P2072 B4/3 (fuel tank pressure sensor),signal error (P0450)

P2072 B4/3 (Fuel tank pressure sensor),Signal implausible (P0450)

P2073 Electric suction fan for engine or air conditioning

P2073 M4/3 (engine/A/C electronic suction device)

P2074 Y22/6 (variable intake manifold switchover valve)

P2075 EGR slight leak (leakage)(P0442)

P2075 Pruge control system has a slight leak (minor leak)(P0442)

P2076 Component B40 (Oil sensor (oil level,temperature and quality)):oil

temperature

implausible

P2077 Read fault memory from control unit N15/6 (Sprintshift control

module) and rectify

faults.

P2078 Read fault memory from control unit N15/6 (Sprintshift control

module) and rectify

faults.

- P2079 CAN signal 'Vehicle speed limit'
- P207A CAN signal 'Vehicle speed limit'
- P207B Read fault memory from control unit Transmission and rectify faults.
- P207D No or incorrect CAN message from control unit N73 (EIS control module)
- P207D no signal or error signal from N73 (EIS controller) controller BUS
- P207E cylinder 4-6 CAT too weak (P0422)
- P207E The efficiency of the left catalytic converter is insufficient.(P0432)
- P207F G3/10 (right O2 sensor,before CAT,cylinder 4-6) aging,calibration program jump over
(P0133)
- P207F G3/3 (Left O2 sensor,before TWC[KAT]) Aging,correction variable exceeded
- P2080 G3/10 (right O2 sensor,before CAT,cylinder 4-6) aging,used too long
(P0133)
- P2080 G3/3 (Left O2 sensor,before TWC[KAT]) Aging,period too long
(P0153)

- P2081 G3/14 (right O2 sensor,after CAT,cylinder 4-6) no special condition change
- P2081 G3/5 (Left O2 sensor,after TWC[KAT])
- P2082 G3/10 (right O2 sensor,before CAT,cylinder 4-6) aging,voltage up too small (P0130)
- P2082 G3/3 (Left O2 sensor,before TWC[KAT]) Electrical fault (P0150)
- P2083 G3/14 (right O2 sensor,after CAT,cylinder 4-6) electrical malfunction (P0136)
- P2083 G3/5 (Left O2 sensor,after TWC[KAT]) Electrical fault (P0156)
- P2085 cylinder 4-6 mixture formation unit adaptation reaches limit.(part load)(P0170)
- P2085 Self-adaptation of mixture formation for left bank of cylinders is at limit value (at part load).(P0173)
- P2086 cylinder 4-6 mixture formation unit adaptation reaches limit.(idle)(P0170)
- P2086 Self-adaptation of mixture formation for left bank of cylinders is at limit value (at idle

speed).(P0173)

P2087 cylinder 4-6 mixture formation unit adaptation reaches limit.(between idle and part load)

P2087 Self-adaptation of mixture formation for left bank of cylinders is at limit value (between idle speed and part load).(P0173)

P2088 component G3/10 (right O2 sensor,before CAT,cylinder 4-6) heating (P0135)

P2088 Heating of component G3/3 (Left O2 sensor,before TWC[KAT])(P0155)

P2089 component G3/14 (right O2 sensor,after CAT,cylinder 4-6) heating (P0141)

P2089 Heating of component G3/5 (Left O2 sensor,after TWC[KAT])(P0161)

P208A Y62y7 (Fuel injector cylinder 7)(P0207)

P208B Y62y11 (cylinder 11 fuel injector)(P0211)

P208B Y62y8 (Fuel injector cylinder 8)(P0208)

P208C Y49/1 (camshaft regulation valve,left cylinder bank),electrical malfunction (P0340)

P208E Y81 (cylinder cut-off valve,left cylinder bank),electrical

malfunction;GERMANY

P208E Y81/1 (10-cylinder 12 cylinder cut-off valve),electrical malfunction

P208F Y81/1 (10-cylinder 12 cylinder cut-off valve),electrical malfunction

P2090 at least two socket of O2 sensor exchanged.

P2090 Plug connections of the O2 sensors are wrongly connected.(O2 sensor upstream TWC)

P2091 B40/2 (cylinder disable unit oil pressure sensor),electrical malfunction (P0520)

P2091 B40/2 (cylinder off oil pressure sensor),electrical malfunction (P0520);GERMANY

P2092 Y80/1 (cylinder 7-9 cylinder cut-off valve),electrical malfunction

P2093 Y80 (cylinder cut-off valve,right cylinder bank),electrical malfunction;GERMANY

P2093 Y80/1 (cylinder 7-9 cylinder cut-off valve),electrical malfunction

P2094 when ZAS is turned on,left and right cylinder cut-off valve (Y80 or Y81) is not opened.;

P2095 when ZAS is turned on,cylinder inlet valve does not work.;

- P2097 throttle valve block (ice up)
- P2097 throttle valve block (ice up);
- P2098 component N2/7 (SRS controller) crash signal error.;
- P2098 error crash signal from component N2/7 (SRS controller)
- P2099 when ZAS is turned off,cylinder 8 exhaust valve inactive.
- P209A when ZAS is turned off,cylinder 10 exhaust valve inactive.
- P209B Y93 (EGR switch-over valve)
- P209B Y93 (EGR switch-over valve);
- P209C when ZAS is turned off,component Y80 (cylinder cut-off valve,right cylinder bank) not
turn off.;
- P209C when ZAS is turned off,component Y80/1 (cylinder 7-9 cylinder cut-off valve) not off.
- P209D when ZAS is turned off,component Y81 (cylinder cut-off valve,left cylinder bank) not
turn off.;
- P209D when ZAS is turned off,component Y81/1 (cylinder 10-12 cylinder cut-off valve) not

off.

P209E when ZAS is turned off,cylinder 5 exhaust valve not work.;

P209E when ZAS is turned off,cylinder 7 exhaust valve inactive.

P209F when ZAS is turned off,cylinder 11 exhaust valve inactive.

P209F when ZAS is turned off,cylinder 2 exhaust valve not work.;

P20A0 when ZAS is turned off,cylinder 3 exhaust valve not
work.;GERMANY

P20A0 when ZAS is turned off,cylinder 9 exhaust valve inactive.

P20A1 when ZAS is turned off,cylinder 12 exhaust valve inactive.

P20A1 when ZAS is turned off,cylinder 8 exhaust valve not
work.;GERMANY

P20A2 when ZAS is turned off,intake valve of some cylinder inactive.

P20A2 when ZAS is turned off,some cylinder exhaust valve not
work.;GERMANY

P20A3 7-9 cylinder CAT too weak.(P0432)

P20A4 10-12 cylinder CAT too weak.(P0432)

P20A5 G3/7 (left O2 sensor,before CAT,cylinder 7-9):aging,calibration
program jump over

(P0153)

P20A6 G3/8 (left O2 sensor,before CAT,cylinder 10-12):aging,calibration
program jump over

(P0153)

P20A7 G3/7 (left O2 sensor,before CAT,cylinder 7-9):aging,used too long

(P0153)

P20A8 G3/8 (left O2 sensor,before CAT,cylinder 10-12):aging,used too long

(P0153)

P20A9 G3/7 (left O2 sensor,before CAT,cylinder 7-9),electrical malfunction

(P0150)

P20AA G3/8 (left O2 sensor,before CAT,cylinder 10-12),electrical
malfunction (P0150)

P20AB G3/11 (left O2 sensor,after CAT,cylinder 7-9),electrical malfunction

(P0156)

P20AC G3/12 (left O2 sensor,after CAT,cylinder 10-12),electrical malfunction

(P0156)

P20AD cylinder 7-9 mixture formation unit adaptation reaches limit.(part
load)(P0173)

P20AE 10-cylinder 12 mixture formation unit adaptation reaches limit.(part load)(P0173)

P20AF cylinder 7-9 mixture formation unit adaptation reaches limit.(idle)(P0173)

P20B0 cylinder 10-12 mixture formation unit adaptation reaches limit.(idle)(P0173)

P20B1 cylinder 7-9 mixture formation unit adaptation reaches limit.(between idle and part load)

P20B2 cylinder 10-12 mixture formation unit adaptation reaches limit.(between idle and part load)

P20B3 component G3/7 (left O2 sensor,before CAT,cylinder 7-9) heating (P0155)

P20B4 component G3/8 (left O2 sensor,before CAT,cylinder 10-12) heating (P0155)

P20B5 component G3/11 (left O2 sensor,after CAT,cylinder 7-9) heating (P0161)

P20B6 component G3/12 (left O2 sensor,after CAT,cylinder 10-12) heating
(P0161)

P20B7 Increased idle speed due to SBC low-voltage:Check current and voltage
on vehicle./No

control module defective (P1999.183)

P20B8 B6/2 (camshaft Hall sensor,left cylinder bank)(P0340)

P20B9 Y62y9 (cylinder 9 fuel injector)(P0209)

P20BA Y62y12 (cylinder 12 fuel injector)(P0212)

P20BB Y62y8 (cylinder 8 fuel injector)(P0208)

P20BC Y62y10 (cylinder 10 fuel injector)(P0210)

P20BD rotate angle error between left cylinder bank camshaft and crankshaft
(P0378)

P20BE component G3/9 (right O2 sensor,before CAT,cylinder 1-3)
heating,supply voltage
(P0135)

P20BE Heating of component G3/4 (Right O2 sensor,before
TWC[KAT]),Voltage supply
(P0135)

P20BF component G3/10 (right O2 sensor,before CAT,cylinder 4-6)

heating,supply voltage

(P0135)

P20BF Heating of component G3/3 (Left O2 sensor,befor

TWC[KAT]),Voltage supply (P0135)

P20C0 component G3/7 (left O2 sensor,before CAT,cylinder 7-9)

heating,supply voltage

(P0155)

P20C1 component G3/8 (left O2 sensor,before CAT,cylinder 10-12)

heating,supply voltage

(P0155)

P20C2 component G3/13 (right O2 sensor,after CAT,cylinder 1-3)

heating,supply voltage

(P0141)

P20C2 Heating of component G3/6 (Right O2 sensor,after

TWC[KAT]),Voltage supply (P0141)

P20C3 component G3/14 (right O2 sensor,after CAT,cylinder 4-6)

heating,supply voltage

(P0141)

P20C3 Heating of component G3/5 (Left O2 sensor,after TWC[KAT]),Voltage supply (P0141)

P20C4 component G3/11 (left O2 sensor,after CAT,cylinder 7-9) heating,supply voltage

(P0161)

P20C5 component G3/12 (left O2 sensor,after CAT,cylinder 10-12) heating,supply voltage

(P0161)

P20C6 G3/11 (left O2 sensor,after CAT,cylinder 7-9),no special condition change

P20C7 G3/12 (left O2 sensor,after CAT,cylinder 10-12),no special condition change

P20C8 Y32/1 (air pump conversion switch,left cylinder bank)(P0415)

P20C9 left cylinder bank intake unit error operation (work link)(P0410)

P20CA No CAN message 'Vehicle speed signal left rear wheel' from control module N47-5

(ESP control module) or message faulty.(P0500)

P20CA no RL wheel speed signal or error signal from N47-5 (electronic stable program

controller) controller BUS (P0500)

P20CB No CAN message 'Vehicle speed signal left front wheel' from control module N47-5

(ESP control module) or message faulty.(P0500)

P20CB no FL wheel speed signal or error signal from N47-5 (electronic stable program

controller) controller BUS (P0500)

P20CC 'Rough road detection' signal (by comparing wheel speeds)

P20CD A/C compressor torque error

P20CD AC compressor torque implausible

P20CE A/C refrigerant pressure too high

P20CE Refrigerant pressure in air conditioning too high

P20CF component B37 (pedal position sensor) voltage difference error between signal 1 and

signal 2 (P0120)

P20CF The voltage difference between signal 1 and signal 2 of component

B37 (Pedal value

sensor) is implausible.(P0120)

P20D0 A/C request an error ventilation efficiency.

P20D0 The air conditioning requests an implausible fan output.

P20D1 The torque request from control module N63/1 (DTR control module) is implausible.

P20D1 torque request error from N63/1 (DTR controller) controller.

P20D2 CAN transmission error of torque request from control module N63/1 (DTR control module)

P20D2 controller N63/1 (DTR controller) torque request BUS transmission error

P20D3 CAN transmission error of torque request from control module N63/1 (DTR control module)

P20D3 controller N63/1 (DTR controller) torque request BUS transmission error

P20D4 load limit valid.

P20D4 The load limit is active.

P20D5 controller N15/3 (EGS controller) torque request error.(P0702)

P20D5 The torque request from control module N15/3 (ETC control module)

is

implausible.(P0702)

P20D6 CAN transmission error of torque request from control module N15/3

(ETC control

module)(P0702)

P20D6 controller N15/3 (EGS controller) torque request BUS transmission

error (P0702)

P20D7 CAN transmission error of torque request from control module N15/3

(ETC control

module)(P0702)

P20D7 controller N15/3 (EGS controller) torque request BUS transmission

error (P0702)

P20D8 electronic stable program malfunction

P20D8 ESP fault

P20D9 controller N47-5 (ESP controller) torque request error.

P20D9 The torque request from control module N47-5 (ESP control module) is implausible.

P20DA CAN transmission error of torque request from control module N47-5 (ESP control module)

P20DA controller N47-5 (ESP controller) torque request BUS transmission error

P20DB CAN transmission error of torque request from control module N47-5 (ESP control module)

P20DB controller N47-5 (ESP controller) torque request BUS transmission error

P20DC B37 (pedal position sensor),signal channel 1 open(P0120)

P20DC B37 (Pedal value sensor),Open circuit at signal path 1 (P0120)

P20DD B37 (pedal position sensor),signal channel 1 short(P0120)

P20DD B37 (Pedal value sensor),Short circuit at signal path 1 (P0120)

P20DE B37 (pedal position sensor),signal channel 2 open(P0120)

P20DE B37 (Pedal value sensor),Open circuit at signal path 2 (P0120)

P20DF B37 (pedal position sensor),signal channel 2 short(P0120)

P20DF B37 (Pedal value sensor),Short circuit at signal path 2 (P0120)

P20E0 Ignore fault code and erase fault memory.

P20E0 software error,memory clear error.

P20E1 Ignore fault code and erase fault memory.

P20E1 software error,memory clear error.

P20E2 Ignore fault code and erase fault memory.

P20E2 software error,memory clear error.

P20E3 component B37 (pedal position sensor) supply voltage (P0120)

P20E3 Voltage supply of component B37 (Pedal value sensor)(P0120)

P20E4 error signal from component S9/1 (brake light switch)

P20E4 Implausible signal from component S9/1 (Stop lamp switch)

P20E5 CAN transmission error of signal from component S9/1 (Stop lamp switch)

P20E5 component S9/1 (brake light switch) signal BUS transmission error

P20E6 CAN transmission error of signal from component S9/1 (Stop lamp switch)

- P20E6 component S9/1 (brake light switch) signal BUS transmission error
- P20E7 cylinder 1 ion current signal lose or error.(P0301)
- P20E8 cylinder 2 ion current signal lose or error.(P0302)
- P20E9 cylinder 3 ion current signal lose or error.(P0303)
- P20EA cylinder 4 ion current signal lose or error.(P0304)
- P20EB cylinder 5 ion current signal lose or error.(P0305)
- P20EC cylinder 6 ion current signal lose or error.(P0306)
- P20ED cylinder 1 spark plug a,b or ignition mode ECI,right cylinder bank
(N92/1)
- P20EE cylinder 2 spark plug a,b or ignition mode ECI,right cylinder bank
(N92/1)
- P20EF cylinder 3 spark plug a,b or ignition mode ECI,right cylinder bank
(N92/1)
- P20F0 cylinder 4 spark plug a,b or ignition mode ECI,right cylinder bank
(N92/1)
- P20F1 cylinder 5 spark plug a,b or ignition mode ECI,right cylinder bank
(N92/1)

P20F2 cylinder 6 spark plug a,b or ignition mode ECI,right cylinder bank
(N92/1)

P20F3 cylinder 7 ion current signal lose or error.(P0307)

P20F4 cylinder 8 ion current signal lose or error.(P0308)

P20F5 cylinder 9 ion current signal lose or error.(P0309)

P20F6 cylinder 10 ion current signal lose or error.(P0310)

P20F7 cylinder 11 ion current signal lose or error.(P0311)

P20F8 cylinder 12 ion current signal lose or error.(P0312)

P20F9 cylinder 7 spark plug a,b or ignition mode ECI,right cylinder bank
(N92/2)

P20FA cylinder 8 spark plug a,b or ignition mode ECI,right cylinder bank
(N92/2)

P20FB cylinder 9 spark plug a,b or ignition mode ECI,right cylinder bank
(N92/2)

P20FC cylinder 10 spark plug a,b or ignition mode ECI,right cylinder bank
(N92/2)

P20FD cylinder 11 spark plug a,b or ignition mode ECI,right cylinder bank
(N92/2)

P20FE cylinder 12 spark plug a,b or ignition mode ECI,right cylinder bank
(N92/2)

P2100 Component Y3/6y3 (1-2 and 4-5 shift solenoid valve) is faulty.

P2100 The internal electrical check of component Y3/6y3(1-2 and 4-5 shift solenoid valve) has failed.

P2101 Component Y3/6y3(1-2 and 4-5 shift solenoid valve) has a short circuit to ground.

P2102 Component Y3/6y5 (2-3 shift solenoid valve) is faulty.

P2102 The internal electrical check of Component Y3/6y5(2-3 shift solenoid valve) has failed.

P2103 Component Y3/6y5(2-3 shift solenoid valve) has a short circuit to ground.

P2104 Component Y3/6y4 (3-4 shift solenoid valve) is faulty.

P2104 The internal electrical check of Component Y3/6y4(3-4 shift solenoid valve) has failed.

P2105 Component Y3/6y4(3-4 shift solenoid valve) has a short circuit to ground.

P2106 Component Y3/6y6 (Torque converter lockup PWM solenoid valve) is faulty.

P2106 The internal electrical check of Component Y3/6y6(Torque converter lockup PWM solenoid valve) has failed.

P2107 Component Y3/6y1 (Modulating pressure control solenoid valve) is faulty.

P2107 The internal electrical check of Component Y3/6y1(Modulating pressure control solenoid valve) has failed.

P2108 Component Y3/6y2 (Shift pressure control solenoid valve) is faulty.

P2108 The internal electrical check of Component Y3/6y2(Shift pressure control solenoid valve) has failed.

P2109 Component Y66/1(Reversing and parking lock solenoid) has short circuit or no connection.

P210A The cable to component K38/3(Starter lockout relay) has short circuit or no connection.

P2193 Injector classification Plausibility

P2193 Injector classification:Checksum is incorrect.

P2193 Injector classification:Invalid injector class

P2200 Component Y3/6n2(speed sensor 2) is faulty or the sensor supply has Short circuit.

P2200 Instrument cluster Fault from instrument cluster over CAN

P2200 Instrument cluster Preglow indicator lamp faulty

P2201 CAN message from control module DAS Plausibility 1

P2201 CAN message from control module DAS Plausibility 2

P2201 CAN message from control module DAS:CAN signal faulty

P2201 No or incorrect CAN message from control unit DAS

P2202 External quantity control by DTR control module Not all CAN messages have been received.

P2202 External quantity control by DTR control module Request from control module N63/1

(DTR control module) is implausible.

P2202 External quantity control by DTR control module The CAN message is implausible

P2202 External quantity control by DTR control module Torque request from control module

N63/1 (DTR control module) is faulty.

P2203 Component Y3/6n3 (speed sensor 3) is faulty.

P2203 External quantity control by ESP NO COMMUNICATION

P2203 External quantity control by ESP Not all CAN message have been received.

P2203 External quantity control by ESP Request from control module ESP is implausible.1

P2203 External quantity control by ESP Request from control module ESP is implausible.2

P2203 External quantity control by ESP The CAN message is implausible.

P2203 External quantity control by ESP Torque request from control module ESP is faulty.

P2203 The internal electrical check of Component Y3/6n3(speed sensor 3) has failed.

P2204 External quantity control by ETC CAN reception timeout

P2204 External quantity control by ETC ENGINE STOP

P2204 External quantity control by ETC Not all CAN messages have been received.

P2204 External quantity control by ETC Read fault memory of control unit N15/3 (ETC control module).

P2204 External quantity control by ETC Read fault memory of control unit Transmission control.

P2204 External quantity control by ETC Request from control module N15/3 (ETC control module) is implausible.

P2204 External quantity control by ETC The CAN message is implausible.

P2204 External quantity control by ETC Torque request from control module N15/3 (ETC

control module) is faulty.

P2206 No signal from output speed sensor

P2207 The value of component Y3/6n3 (speed sensor 3) is implausible.

P220A The speed comparison of Y3/6n2 or Y3/6n3 is implausible.

P220B The speed of Y3/6n2 or Y3/6n3 is too high.

P2210 Selector lever coding is invalid.

P2211 The selector lever is in an intermediate position.

P2212 The selector lever position is implausible.

P2220 Component Y3/6s1 (Starter lockout contact) or component Y3/6b1 (ATF temperature sensor) is faulty or both.

P2221 The signal of component Y3/6b1 (ATF temperature sensor) and (or) Y3/6s1 (Starter lockout contact) is implausible.

P2222 The signal of component Y3/6b1 (ATF temperature sensor) and (or) Y3/6s1 (Starter lockout contact) is implausible.

P2300 CAN communication is faulty.

P2300 CAN communication with other control units installed in this vehicle is not possible.

P2301 CAN communication is faulty.

P2301 CAN communication with other control units installed in this vehicle is not possible.

P2306 N3/9 (CDI control module) Sensor supply voltage 2 Readout too large

P2306 N3/9 (CDI control module) Sensor supply voltage 2 Readout too small

P2310 CAN communication with the traction system is faulty.

P2310 One or more messages from control unit N47(Traction systems control module) are not available on the CAN bus.

P2311 CAN communication with the engine system is faulty.

P2311 One or more messages from the engine control unit are not available on the CAN bus.

P2312 CAN communication with the engine system is faulty or engine temperature is implausible.

P2312 One or more messages from the engine control unit are not available on the CAN bus.

P2313 There is a fault in CAN communication with control module N15/5 (electronic selector lever module control module) or the selector lever position of control module ESM is implausible.

P2314 Fault in CAN communication with control unit N73 (EIS control module)

P2314 One or more messages from control unit N73(EIS control module) are not available on the CAN bus.

P2315 Fault in CAN communication with control unit A1 (Instrument cluster)

P2315 One or more messages from control unit A1(Instrument cluster) are not available on the CAN bus.

P2316 Fault in CAN communication with control unit A1 (Instrument cluster)

P2316 One or more messages from control unit N19(Air conditioning control module) are not

available on the CAN bus.

P2317 One or more messages from control unit N78(Transfer case control module) are not available on the CAN bus.

P2317 There is a sporadic fault in CAN communication with control module N78 (Transfer case control module) or the transfer case position is sporadically implausible.

P2318 Fault in CAN communication with control unit N15/5 (electronic selector lever module control module)

P2318 One or more messages from control unit N15/5(electronic selector lever module control module) are not available on the CAN bus.

P2319 Analogue-digital converter Dynamic RAM test is incorrect.

P2319 Analogue-digital converter Ground keying of pedal value sensor PWG2 is incorrect.

P2319 Analogue-digital converter Test voltage is incorrect.

P2330 The CAN signal from traction system is faulty.

P2330 The CAN signals sent from control unit N47(Traction systems control module) are incomplete.

P2331 The CAN signal from the engine system is faulty.

P2331 The CAN signals sent from control unit Engine management are incomplete.

P2332 The CAN signal from the engine system is faulty.

P2332 The CAN signals sent from control unit Engine management are incomplete.

P2333 The CAN signal from control module N15/5 (electronic selector module control module) is faulty.

P2333 The CAN signals sent from control unit N15/5(electronic selector module control module) are incomplete.

P2334 The CAN signal from control module N73 (EIS control module) is faulty.

P2334 The CAN signals sent from control unit N73(EIS control module) are incomplete.

P2335 The CAN signal from control module A1 (Instrument cluster) is faulty.

P2335 The CAN signals sent from control module A1(Instrument cluster) are incomplete.

P2336 The CAN signal from control module N73 (EIS control module) and (or) A1 (Instrument cluster) is faulty.

P2336 The CAN signal from control module N73(EIS control module) and (or) A1 (Instrument cluster) is faulty.

P2337 The CAN signal from control module N78 (Transfer case control module) is faulty.

P2337 The CAN signals sent from control unit N78(Transfer case control module) are incomplete.

P2338 The CAN signal from control module N15/5 (electronic selector lever module control

module) is faulty.

P2338 The CAN signals sent from control unit N15/5(electronic selector lever module control module) are incomplete.

P2400 The rear right wheel speed of the traction system is implausible.

P2400 The right rear wheel rpm signal sent from the traction system via the CAN bus is implausible.

P2401 The left rear wheel rpm signal sent from the traction system via the CAN bus is implausible.

P2401 The rear left wheel speed of the traction system is implausible.

P2402 The front right wheel speed of the traction system is implausible.

P2402 The right front wheel rpm signal sent from the traction system via the CAN bus is implausible.

P2403 The front left wheel speed of the traction system is implausible.

P2403 The left front wheel rpm signal sent from the traction system via the CAN bus is implausible.

P2404 The CAN signal from component S9/1 (Stop lamp switch) of the traction system is implausible.

P2404 The stop lamp switch signal sent from the traction system via the CAN bus is implausible.

P2405 The accelerator pedal value of the engine system is implausible.

P2405 The accelerator pedal value sent from the engine control unit via the CAN bus is implausible.

P2406 The engine torque from the engine system is implausible.

P2406 The specified static torque sent from the engine control unit via the CAN bus is implausible.

P2407 The default torque of the traction system is implausible.

P2407 The engine torque specified by the traction system and sent from the engine control unit

via the CAN bus is implausible.

P2408 The engine torque from the engine system is implausible.

P2408 The maximum engine torque sent from the engine control unit via the CAN bus is

implausible.

P2409 The engine torque from the engine system is implausible.

P2409 The maximum engine torque sent from the engine control unit via the CAN bus is

implausible.

P240A The engine speed of the engine system is implausible.

P240A The engine speed sent from the engine control unit via the CAN bus is implausible.

P240B The engine speed sent from the engine control unit via the CAN bus is implausible.

P240B The engine temperature from the engine system is implausible.

P240C The CAN signal for the selector lever position from component N15/5 (electronic selector lever module control module) is implausible.

P240C The selector lever position sent from control unit N15/5 (electronic selector Lever module control module) via the CAN bus is implausible.

P240D The current transfer case sent from control unit N78 (Transfer case control module) via the CAN bus is implausible.

P240D There is a sporadic fault in CAN communication with control module N78 (Transfer case control module) or the transfer case position is sporadically implausible.

P2500 The transmission has an impermissible transmission ratio.

P2501 Engine overrevving has occurred.

P2502 The gear is implausible or the transmission is slipping.

P2503 The gear comparison is negative or the target gear is not reached.

P2510 The torque converter lock-up clutch causes impermissible closing.

P2511 Engaging of torque converter lockup clutch not permitted.

- P2511 The torque converter lock-up clutch has excessive power consumption.
- P2512 Actuation of torque converter lockup clutch is not possible
- P2520 The feedback through the transmission protection is not maintained.
- P2600 The voltage supply of circuit 87 has undervoltage.
- P2601 The voltage supply of circuit 87 has overvoltage.
- P2602 The voltage supply of the valves is faulty.
- P2603 The voltage supply of the speed sensors is faulty.

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- P1083 Fuel Control Limit Mixture too Lean (Bank 1 Sensor 1)
- P1084 Fuel Control Limit Mixture too Rich (Bank 1 Sensor 1)
- P1085 Fuel Control Limit Mixture too Lean (Bank 2 Sensor 1)
- P1086 Fuel Control Limit Mixture too Rich (Bank 2 Sensor 1)
- P1087 O2 Sensor Circuit Slow Response in Lean Control Range (Bank 1 Sensor 1)
- P1088 O2 Sensor Circuit Slow Response in Rich Control Range (Bank 1 Sensor 1)
- P1089 O2 Sensor Circuit Slow Response in Lean Control Range (Bank 1 Sensor 2)
- P1090 Pre Catalyst Fuel Trim System too Lean Bank 1
- P1091 Pre Catalyst Fuel Trim System too Rich Bank 1
- P1092 Pre Catalyst Fuel Trim System too Lean Bank 2
- P1093 Pre Catalyst Fuel Trim System too Rich Bank 2
- P1094 O2 Sensor Circuit Slow Response in Rich Control Range (Bank 2 Sensor 1)

- P1095 O2 Sensor Signal Circuit Slow Switching From Lean to Rich (Bank 1 Sensor 1)
- P1096 O2 Sensor Signal Circuit Slow Switching From Lean to Rich (Bank 2 Sensor 1)
- P1097 O2 Sensor Circuit Slow Response after Coast Down Fuel Cut-Off (Bank 1 Sensor 2)
- P1098 O2 Sensor Circuit Slow Response after Coast Down Fuel Cut-Off (Bank 2 Sensor 2)
- P1106 Pressure sensor, intake manifold - input too low with engine stopped
- P1107 Pressure sensor, intake manifold - input too low at idle
- P1108 Pressure sensor, intake manifold - input too low at full load and low engine speed
- P1109 Pressure sensor, intake manifold - input too high with trailing throttle"
- P1111 Engine Coolant Temperature Radiator Outlet Sensor Low Input
- P1112 Engine Coolant Temperature Radiator Outlet Sensor High Input
- P1115 Coolant Temperature Sensor Plausibility
- P1116 Mass or Volume Air Flow Circuit Range/Performance Problem (Bank 2)

- P1117 Mass or Volume Air Flow Circuit Low Input (Bank 2)
- P1118 Mass or Volume Air Flow Circuit High Input (Bank 2)
- P1120 Pedal Position Sensor Circuit
- P1121 Pedal Position Sensor 1 Range/Performance Problem
- P1122 Pedal Position Sensor 1 Low Input
- P1123 Pedal Position Sensor 1 High Input
- P1125 Throttle potentiometer 1 and 2 - measuring-range or power-output problem (minor fault)
- P1132 O2 Sensor Heater Control Circuit (Bank 1 Sensor 1)
- P1133 O2 Sensor Heater Control Circuit (Bank 2 Sensor 1)
- P1134 O2 Sensor Heater Circuit Signal Intermittent (Bank 1 Sensor 1)
- P1135 O2 Sensor Heater Circuit Low Voltage (Bank 1 Sensor 1)
- P1136 O2 Sensor Heater Circuit High Voltage (Bank 1 Sensor 1)
- P1137 O2 Sensor Heater Circuit Signal Intermittent (Bank 1 Sensor 2)
- P1138 O2 Sensor Heater Circuit Low Voltage (Bank 1 Sensor 2)
- P1139 O2 Sensor Heater Circuit High Voltage (Bank 1 Sensor 2)
- P1140 Mass or Volume Air Flow Circuit Range/Performance Problem
- P1145 Solenoid Valve Running Losses Control Circuit Electrical

- P1151 O2 Sensor Heater Circuit Signal Intermittent (Bank 2 Sensor 1)
- P1152 O2 Sensor Heater Circuit Low Voltage (Bank 2 Sensor 1)
- P1153 O2 Sensor Heater Circuit High Voltage (Bank 2 Sensor 1)
- P1155 O2 Sensor Heater Circuit Signal Intermittent (Bank 2 Sensor 2)
- P1156 O2 Sensor Heater Circuit Low Voltage (Bank 2 Sensor 2)
- P1157 O2 Sensor Heater Circuit High Voltage (Bank 2 Sensor 2)
- P1158 Fuel Trim Adaptation Additive Bank 1 Low
- P1159 Fuel Trim Adaptation Additive Bank 1 High
- P1160 Fuel Trim Adaptation Additive Bank 2 Low
- P1161 Fuel Trim Adaptation Additive Bank 2 High/M52: Engine Oil

Temperature Sensor

Circuit

- P1162 Fuel Trim Adaptation Additive per Ignition Bank 1 Low
- P1163 Fuel Trim Adaptation Additive per Ignition Bank 1 High
- P1164 Fuel Trim Adaptation Additive per Ignition Bank 2 Low
- P1165 Fuel Trim Adaptation Additive per Ignition Bank 2 High
- P1174 Fuel Trim Adaptation Additive Bank 1 Malfunction
- P1175 Fuel Trim Adaptation Additive Bank 2 Malfunction

- P1176 O2 Sensor Slow Response Bank 1
- P1177 O2 Sensor Slow Response Bank 2
- P1178 O2 Sensor Signal Circuit Slow Switching From Rich to Lean (Bank 1 Sensor 1)
- P1179 O2 Sensor Signal Circuit Slow Switching From Rich to Lean (Bank 2 Sensor 1)
- P1180 O2 Sensor Signal Circuit Slow Switching From Rich to Lean (Bank 1 Sensor 2)
- P1181 O2 Sensor Signal Circuit Slow Switching From Rich to Lean (Bank 2 Sensor 2)
- P1182 O2 Sensor (Bank 1 Sensor 2) Open Circuit During Coast Down Fuel Cut-Off
- P1183 O2 Sensor (Bank 2 Sensor 2) Open Circuit During Coast Down Fuel Cut-Off
- P1186 O2 Sensor Heater Control Circuit (Bank 1 Sensor 2)
- P1187 O2 Sensor Heater Control Circuit (Bank 2 Sensor 2)
- P1188 Fuel Control (Bank 1 Sensor 1)
- P1189 Fuel Control (Bank 2 Sensor 1)

- P1190 Pre Catalyst Fuel Trim System Bank 1
- P1191 Pre Catalyst Fuel Trim System Bank 2
- P1192 Post Catalyst Fuel Trim System Bank 1
- P1193 Post Catalyst Fuel Trim System Bank 2
- P1221 Pedal Position Sensor 2 Range/Performance Problem
- P1222 Pedal Position Sensor 2 Low Input
- P1223 Pedal Position Sensor 2 High Input
- P1270 Control Module Self-Test; Torque Monitoring/M73: Mass Air Flow
Sensor Bank
- Comparison Plausibility
- P1271 Ambient Air Pressure Sensor Electrical
- P1283 Switching Solenoid for Air Assisted Injection Valves Bank 1 Circuit
Electrical
- P1284 Switching Solenoid for Air Assisted Injection Valves Bank 1 Circuit
Signal Low
- P1285 Switching Solenoid for Air Assisted Injection Valves Bank 1 Circuit
Signal High

P1287 Switching Solenoid for Air Assisted Injection Valves Bank 2 Circuit

Electrical

P1288 Switching Solenoid for Air Assisted Injection Valves Bank 2 Circuit

Signal Low

P1289 Switching Solenoid for Air Assisted Injection Valves Bank 2 Circuit

Signal High

P1313 A Camshaft Position Actuator Plausibility

P1317 B Camshaft Position Actuator Plausibility

P1327 Knock Sensor 2 (Bank 1) Low Input

P1328 Knock Sensor 2 (Bank)) High Input

P1332 Knock Sensor 4 Low Input

P1333 Knock Sensor 4 High Input

P1340 Multiple Cylinder Misfire During Start

P1341 Multiple Cylinder Misfire with Fuel Cut-Off

P1342 Misfire During Start Cylinder 1

P1343 Misfire Cylinder 1 with Fuel Cut-Off

P1344 Misfire During Start Cylinder 2

P1345 Misfire Cylinder 2 with Fuel Cut-Off

- P1346 Misfire During Start Cylinder 3
- P1347 Misfire Cylinder 3 with Fuel Cut-Off
- P1348 Misfire During Start Cylinder 4
- P1349 Misfire Cylinder 4 with Fuel Cut-Off
- P1350 Misfire during Start Cylinder 5
- P1351 Misfire Cylinder 5 with Fuel Cut-Off
- P1352 Misfire during Start Cylinder 6
- P1353 Misfire Cylinder 6 with Fuel Cut-Off
- P1354 Misfire during Start Cylinder 7
- P1355 Misfire Cylinder 7 with Fuel Cut-Off
- P1356 Misfire during Start Cylinder 8
- P1357 Misfire Cylinder 8 with Fuel Cut-Off
- P1358 Misfire during Start Cylinder 9
- P1359 Misfire Cylinder 9 with Fuel Cut-Off
- P1360 Misfire during Start Cylinder 10
- P1361 Misfire Cylinder 10 with Fuel Cut-Off
- P1362 Misfire during Start Cylinder 11
- P1363 Misfire Cylinder 11 with Fuel Cut-Off

- P1364 Misfire during Start Cylinder 12
- P1365 Misfire Cylinder 12 with Fuel Cut-Off
- P1384 Knock Sensor 3 Circuit
- P1385 Knock Sensor 4 Circuit
- P1386 Control Module Self-Test; Knock Control Circuit Baseline Test Bank 1
- P1396 Crankshaft Position Sensor Segment Timing Plausibility
- P1397 Camshaft Position Sensor B Circuit (Bank 1)
- P1400 Heated Catalyst Battery Voltage or Current too Low during Heating
(Bank 1)
- P1401 Heated Catalyst Current too High during Heating (Bank 1)
- P1402 Heated Catalyst Power Switch Overtemperature Condition (Bank 1)
- P1403 Carbon Canister Shut-Off Valve Control Circuit Electrical/M73: Heated
Catalyst Battery
Voltage or Current too Low during Heating (Bank 2)
- P1404 Heated Catalyst Current too High during Heating (Bank 2)
- P1405 Heated Catalyst Power Switch Overtemperature Condition (Bank 2)
- P1406 Heated Catalyst Internal Control Module Checksum/ROM Error
- P1413 Secondary Air Injection Pump Relay Control Circuit Signal Low

- P1414 Secondary Air Injection Pump Relay Control Circuit Signal High
- P1420 Secondary Air Valve Control Circuit Electrical
- P1421 Secondary Air System Bank 2
- P1423 Secondary Air System Bank 1
- P1432 Secondary Air Injection System Incorrect Flow Detected
- P1438 Purge Control Valve Control Open Circuit
- P1439 Purge Control Valve Control Circuit Signal Low
- P1440 Purge Control Valve Control Circuit Signal High
- P1441 Leakage Diagnostic Pump Control Open Circuit
- P1442 Leakage Diagnostic Pump Control Circuit Signal Low
- P1443 Leakage Diagnostic Pump Control Circuit Signal High
- P1444 Diagnostic Module Tank Leakage (DM-TL) Pump Control Open
Circuit
- P1445 Diagnostic Module Tank Leakage (DM-TL) Pump Control Circuit
Signal Low
- P1446 Diagnostic Module Tank Leakage (DM-TL) Pump Control Circuit
Signal High

- P1447 Diagnostic Module Tank Leakage (DM-TL) Pump Current Too High
(Solenoid Test)
- P1448 Diagnostic Module Tank Leakage (DM-TL) Pump Current Too Low
(Solenoid Test)
- P1449 Diagnostic Module Tank Leakage (DM-TL) Pump Current Too High
- P1450 Diagnostic Module Tank Leakage (DM-TL) Switching Solenoid
Control Open Circuit
- P1451 Diagnostic Module Tank Leakage (DM-TL) Switching Solenoid Circuit
Signal Low
- P1452 Diagnostic Module Tank Leakage (DM-TL) Switching Solenoid Circuit
Signal High
- P1453 Secondary Air Injection Pump Relay Control Circuit Electrical
- P1454 Secondary Air Injection Pump with Series Resistor Control Circuit
Electrical
- P1456 Heated Catalyst Heater Power Supply Open Circuit (Bank 1)
- P1457 Heated Catalyst Power Switch Temperature Sensor Electrical (Bank 1)
- P1459 Heated Catalyst Heater Power Supply Open Circuit (Bank 2)
- P1460 Heated Catalyst Power Switch Temperature Sensor Electrical (Bank 2)

- P1461 Heated Catalyst Gate Voltage Signal Low
- P1462 Heated Catalyst Internal Control Module Checksum/EEPROM Error
- P1463 Heated Catalyst Battery Temperature Sensor 1 Electrical
- P1464 Heated Catalyst Battery Temperature Sensor 2 Electrical
- P1465 Heated Catalyst Battery Temperature Sensor 1 or 2 Plausibility
- P1466 Heated Catalyst Power Switch Temperature Sensor Plausibility
- P1467 Heated Catalyst Comparison Battery Voltages of Power Switches
Plausibility
- P1468 Heated Catalyst Battery Disconnecting Switch Plausibility
- P1470 Leakage Diagnostic Pump Control Circuit Electrical
- P1472 Diagnostic Module Tank Leakage (DM-TL) Switching Solenoid Circuit
Electrical
- P1473 Diagnostic Module Tank Leakage (DM-TL) Pump Current Plausibility
- P1475 Leakage Diagnostic Pump Reed Switch Did Not
- P1476 Close Leakage Diagnostic Pump Clamped Tube//M52 MY99/00:
Leakage Diagnostic
Pump Reed Switch Circuit Electrical
- P1477 Leakage Diagnostic Pump Reed Switch Did Not Open

- P1500 Idle-Speed Control Valve Stuck Open
- P1501 Idle-Speed Control Valve Stuck Closed
- P1502 Idle-Speed Control Valve Closing Solenoid Control Circuit Signal High
- P1503 Idle-Speed Control Valve Closing Solenoid Control Circuit Signal Low
- P1504 Idle-Speed Control Valve Closing Solenoid Control Open Circuit
- P1505 Idle-Speed Control Valve Closing Solenoid Control Circuit Electrical
- P1506 Idle-Speed Control Valve Opening Solenoid Control Circuit Signal High
- P1507 Idle-Speed Control Valve Opening Solenoid Control Circuit Signal Low
- P1508 Idle-Speed Control Valve Opening Solenoid Control Open Circuit
- P1509 Idle-Speed Control Valve Opening Solenoid Control Circuit Electrical
- P1510 Idle-Speed Control Valve Stuck
- P1511 DISA (Differentiated Intake Manifold) Control Circuit Electrical
- P1512 DISA (Differentiated Intake Manifold) Control Circuit Signal Low
- P1513 DISA (Differentiated Intake Manifold) Control Circuit Signal High
- P1519 A Camshaft Position Actuator Bank 1
- P1520 B Camshaft Position Actuator Bank 1

- P1522 A Camshaft Position Actuator Bank 2
- P1523 A Camshaft Position Actuator Signal Low Bank 1//M52: B Camshaft
Position Actuator
Tight or Jammed
- P1524 A Camshaft Position Actuator Control Circuit Signal High Bank 1
- P1525 A Camshaft Position Actuator Control Open Circuit Bank 1
- P1526 A Camshaft Position Actuator Control Open Circuit Bank 2
- P1527 A Camshaft Position Actuator Control Circuit Signal Low Bank 2
- P1528 A Camshaft Position Actuator Control Circuit Signal High Bank 2
- P1529 B Camshaft Position Actuator Control Circuit Signal Low Bank 1
- P1530 B Camshaft Position Actuator Control Circuit Signal High Bank 1
- P1531 B Camshaft Position Actuator Control Open Circuit Bank 1
- P1532 B Camshaft Position Actuator Control Open Circuit Bank 2
- P1533 B Camshaft Position Actuator Control Circuit Signal Low Bank 2
- P1534 B Camshaft Position Actuator Control Circuit Signal High Bank 2
- P1540 Pedal Position Sensor
- P1541 Pedal Position Sensor Double Error
- P1542 Pedal Position Sensor Electrical

- P1543 Pedal Position Sensor
- P1544 Pedal Position Sensor
- P1545 Pedal Position Sensor
- P1550 Idle-Speed Control Valve Closing Solenoid Control Circuit Electrical
- P1552 A Camshaft Position Actuator Control Open Circuit Bank 1
- P1556 A Camshaft Position Actuator Control Open Circuit Bank 1
- P1560 B Camshaft Position Actuator Control Open Circuit Bank 1
- P1564 Control Module Selection
- P1565 B Camshaft Position Actuator Control Open Circuit Bank 1
- P1569 A Camshaft Position Actuator Control Open Circuit Bank 2
- P1573 Electronic Control Module Sensor Supply B Low Output//S54/S62: A
Camshaft
Position Actuator Control Circuit Signal Low Bank 2
- P1580 Throttle Valve Mechanically Stuck
- P1581 B Camshaft Position Actuator Control Open Circuit Bank 2
- P1589 Control Module Self-Test; Knock Control Test Pulse Bank 1
- P1593 DISA (Differentiated Intake Manifold) Control Circuit Electrical
- P1594 B Camshaft Position Actuator Control Open Circuit Bank 2

- P1602 Control Module Self-Test; Control Module Detective
- P1603 Control Module Self-Test; Torque Monitoring
- P1604 Control Module Self-Test; Speed Monitoring
- P1607 CAN-Version
- P1608 Serial Communication Link Control Module
- P1609 Serial Communication Link EML (Electronical Engine-Power Regulation)
- P1611 Serial Communication Link Transmission Control Module
- P1619 Map Cooling Thermostat Control Circuit Signal Low
- P1620 Map Cooling Thermostat Control Circuit Signal High
- P1622 Map Cooling Thermostat Control Circuit Electrical
- P1623 Pedal Position Sensor Potentiometer Supply
- P1624 Pedal Position Sensor Potentiometer Supply Channel 1 Electrical//M52:
Coolant
Thermostat (Coolant Temperature Below Thermostat Regulating Temp)
- P1625 Pedal Position Sensor Potentiometer Supply Channel 2 Electrical
- P1632 Throttle Valve Adaptation; Adaptation Conditions Not Met
- P1633 Throttle Valve Adaptation; Limp Home Position Unknown

- P1634 Throttle Valve Adaptation; Spring Test Failed
- P1635 Throttle Valve Adaptation; Lower Mechanical Stop not Adapted
- P1636 Throttle Valve Control Circuit
- P1637 Throttle Valve Position Control; Control Deviation
- P1638 Throttle Valve Position Control; Throttle Stuck Temporarily
- P1639 Throttle Valve Position Control; Throttle Stuck Permanently
- P1640 Internal Control Module (ROM/RAM) Error
- P1691 Malfunction Indicator Lamp (MIL) Electrical
- P1734 Pressure Control Solenoid B Electrical
- P1738 Pressure Control Solenoid C Electrical
- P1743 Pressure Control Solenoid E Electrical//M44/M52: Brake Band
Electrical
- P1744 Pressure Control Solenoid A Electrical
- P1746 Transmission Control Module Output Stage
- P1747 CAN-Bus Monitoring
- P1748 Transmission Control Module Self-Test
- P1749 Secondary Pressure Solenoid Communication Error//M52:
Transmission Control

Module Internal Memory

P1750 Secondary Pressure Solenoid Circuit

Range/Performance//M44/M52/S52/M62/M73:

System Voltage Input Low

P1751 Secondary Pressure Solenoid Open Circuit//M52: System Voltage Input High

P1761 Shift lock Solenoid Malfunction

P1765 CAN Throttle Valve

P1770 CAN Torque Interface

P1780 CAN Torque Reduction

CHRYSLER OBDII DTC

- P1101 HCM/PCM Communication Performance
- P1103 Turbocharger Waste Gate Actuator Malfunction
- P1104 Turbocharger Waste Gate Solenoid Malfunction
- P1105 Fuel Pressure Solenoid Malfunction
- P1195 Slow Switching O2 Sensor Bank One Sensor One During catalyst monitoring
- P1196 Slow Switching O2 Sensor Bank two Sensor one During catalyst monitoring
- P1197 Slow Switching O2 Sensor Bank One Sensor two During catalyst monitoring
- P1198 Radiator Temperature Sensor Input voltage too high
- P1199 Radiator Temperature Sensor Input voltage too low
- P1281 Engine is cold too long
- P1282 Fuel Pump Relay control circuit
- P1283 Idle select signal invalid
- P1284 Fuel Injection pump battery voltage sensor out of range
- P1285 Fuel Injection pump controller always on

- P1286 Accelerator Position Sensor (APPS) supply voltage too high
- P1287 Fuel Injection pump Controller Supply voltage low
- P1288 Intake manifold short runner tuning valve solenoid circuit
- P1289 Manifold tune valve solenoid circuit
- P1290 CNG Fuel system pressure too high
- P1291 No Temp rise seen from intake heaters
- P1292 CNG Pressure sensor voltage too high
- P1293 CNG Pressure sensor voltage too low
- P1294 Target idle not reached
- P1295 No 5 volts to TP sensor
- P1296 No 5 volts to MAP sensor
- P1297 No change in MAP sensor from start to run
- P1298 lean operation at wide open throttle
- P1299 Vacuum Leak detected (IAC fully seated)
- P1300 Ignition timing adjustment circuit failure
- P1388 Auto shutdown relay control circuit
- P1389 No ASD relay output voltage at PCM
- P1390 Timing belt skipped one tooth or more

- P1391 Intermittent loss of CMP or CKP
- P1398 Mis-Fire Adaptive Numerator at Limit (PCM is unable to learn the crank sensors signal
for use in preparation for misfire diagnostics
- P1399 Wait to start lamp circuit
- P1403 No 5 volt feed to EGR
- P1475 Auxiliary 5 volt supply is too high
- P1476 Too little secondary air
- P1477 Too much secondary air
- P1478 Battery Temp Sensor Volts out of limit
- P1479 Transmission Fan Relay Circuit
- P1480 PCV Solenoid Circuit
- P1481 EATX (Electronic Automatic Transaxle) RPM pulse generator
performance
- P1482 Catalyst Temperature Sensor Circuit shorted low
- P1483 Catalyst Temperature Sensor Circuit shorted high
- P1484 Catalytic Converter overheat detected
- P1485 Air injection solenoid circuit

- P1486 EVAP Leak Monitor found a pinched hose
- P1487 Hi Speed Fan #2 Circuit
- P1488 Auxiliary 5 volt supply output is too low
- P1489 High speed fan control relay circuit
- P1490 Low speed fan control relay circuit
- P1491 Radiator fan relay control circuit
- P1492 Ambient/ Battery Temp sensor input voltage too high
- P1493 Ambient/ Battery Temp sensor input voltage too low
- P1494 Leak detection pump pressure switch or mechanical fault
- P1495 Leak detection pump solenoid circuit
- P1496 5 volt supply, output too low
- P1498 High speed radiator fan ground control relay circuit
- P1500 General alternator 'FR' Terminal circuit fault
- P1594 Charging system voltage too high
- P1595 Speed control solenoid circuits
- P1596 Speed control switch always high
- P1597 Speed control switch always low
- P1598 A/C pressure sensor input voltage too high

- P1599 A/C pressure sensor input voltage too low
- P1680 Clutch released switch circuit
- P1681 No I/P Cluster CCD/ J1850 messages received
- P1682 Charging system voltage too low
- P1683 Speed control servo power control circuit
- P1684 The battery has been disconnected within the last 50 starts
- P1685 The SKIM (Smart Key Immobilizer Module) has received an invalid key
- P1686 No SKIM (Smart Key Immobilizer Module) bus message received
- P1687 No Mechanical Instrument cluster bus message
- P1688 Internal Fuel injection pump controller failure
- P1689 No communication between the ECM and injection pump module
- P1690 Fuel injection pump CKP sensor does not agree with the ECM CKP sensor
- P1691 Fuel injection pump controller calibration error
- P1692 Fault in companion Engine control module
- P1693 A companion DTC was set in both the ECM and PCM
- P1694 No CCD message from PCM- Aisin transmission

- P1695 No CCD message from body control module
- P1696 PCM failure EEPROM write denied
- P1697 PCM Failure SRI (Service Reminder Indicator) mileage not stored
- P1698 No CCD message from TCM
- P1719 Skip shift solenoid circuit
- P1740 TCC solenoid or overdrive solenoid performance
- P1756 Governor pressure not equal to target at 15-20 psi
- P1757 Governor pressure is above 3 PSI when 0 PSI is requested
- P1762 Governor pressure sensor offset improper voltage
- P1763 Governor pressure sensor voltage to high
- P1764 Governor pressure sensor voltage to low
- P1765 Transmission 12 volt supply relay control circuit

CITROEN OBDII DTC

- P1110 A/C control malfunction
- p1113 Fuel pressure regulation
- p1115 Upstream oxygen sensor auto-adaptive
- p1116 Upstream oxygen sensor auto-adaptive
- p1147 Variable distribution electrovalve(VTC)
- P1148 Variable distribution electrovalve(VTC) Open circuit
- P1149 Variable distribution electrovalve(VTC) Short circuit to earth or short circuit to positive
- p1152 Throttle control
- p1153 Motorised throttle position End stop programming
- P1156 Electric throttle signal malfunction
- P1157 Electric throttle signal malfunction
- P1158 Electric throttle signal malfunction
- P1159 Electric throttle signal malfunction
- p1161 Motorised throttle position Coherence
- p1162 Exhaust gas recycling Coherence
- p1163 Exhaust gas recycling incorrect flow detected

- p1181 Vacuum monitoring
- p1183 Vacuum monitoring Short circuit to earth or open circuit
- p1184 Vacuum monitoring Short circuit to +
- P1186 Multifunction double relay control malfunction
- P1187 Multifunction double relay control malfunction
- P1188 Multifunction double relay control malfunction
- p1206 Fuel pressure regulation electrovalve
- p1207 Fuel pressure regulation electrovalve Short circuit to -
- p1209 Fuel pressure regulation electrovalve Short circuit to +
- p1210 Fuel pressure regulation eletrovalve Open circuit
- p1288 Fuel pressure regulation Efficiency
- P1289 Injector 1# control malfunction
- P1290 Injector 1# control malfunction
- p1291 Fuel pressure regulation Efficiency / blocking
- P1292 Injector 2# control malfunction
- P1293 Injector 2# control malfunction
- p1294 Fuel pressure regulation Efficiency drop
- P1295 Injector 3# control malfunction

- P1296 Injector 3# control malfunction
- p1297 Fuel pressure regulation Low value
- P1298 Injector 4# control malfunction
- P1299 Injector 4# control malfunction
- P1303 Knock adjustment malfunction
- P1327 Ignition phase detect malfunction
- P1329 Cylinder 1# knock adjust limiter malfunction
- P1330 Cylinder 2# knock adjust limiter malfunction
- P1331 Cylinder 3# knock adjust limiter malfunction
- P1332 Cylinder 4# knock adjust limiter malfunction
- P1336 Uncertain ignition fail malfunction
- P1337 Cylinder 1# ignition fail malfunction
- P1338 Cylinder 2# ignition fail malfunction
- P1339 Cylinder 3# ignition fail malfunction
- P1340 Cylinder 4# ignition fail malfunction
- p1358 Ignition Coil 1 Short circuit to +
- p1359 Ignition Coil 3 Control Short circuit to +
- p1360 Ignition Coil 4 control Short circuit to +

- p1361 Ignition Coil 2 control Short circuit to +
- p1366 Ignition Coil 1 control Spark time
- p1367 Ignition Coil 2 control Spark time
- p1368 Ignition Coil 3 control Spark time
- p1369 Ignition Coil 4 control Spark time
- p1411 Cat. converter upstream temperature sensor
- p1412 Cat. converter upstream temperature sensor Coherence
- p1413 Cat. converter upstream temperature sensor Short circuit to earth
- p1414 Cat. converter upstream temperature sensor Short circuit to + or open
circuit
- p1416 Cat. converter downstream temperature sensor
- p1417 Cat. converter downstream temperature sensor Coherence
- p1418 Cat. converter downstream temperature sensor Short circuit to earth
- p1419 Cat. converter downstream temperature sensor Short circuit to + or open
circuit
- p1456 Exhaust gas recycling incorrect flow detected
- p1457 DeNox cat. converter missing
- p1512 Engine immobiliser function

- p1517 Engine immobiliser function
- p1536 Remote fault Esp Ecu reception value received incorrect
- p1601 Ignition on Ecu supply control
- p1612 Engine immobiliser function
- p1621 Inside ECU(CAN)
- P1622 Inside ECU(CAN)
- P1627 Inside ECU(CAN)
- p1631 Inside ECU(CAN)
- p1633 Ignition on ECU supply control Short circuit to earth or open circuit
- p1634 Ignition on ECU supply control Short circuit to +
- p1635 Ignition relay control Short circuit to earth or open circuit
- p1636 Supply relay control Short circuit to +
- p1637 Ignition on ECU supply control Short circuit to earth or open circuit
- p1639 Supply relay control Short circuit to earth or open circuit
- p1640 Supply relay control Short circuit to +
- P5000 Communication malfunction between ECM and other computers (CAN)

شرکت مهندسی موتور آزما تامین
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DAEWOO OBDII DTC

- P1100 MAP SNSR MAL
- P1101 MAP SNSR - RANGE/ PERFORMANCE
- P1102 MAP SNSR - LOW INPUT
- P1103 MAP SNSR - HIGH INPUT
- P1104 AIR FLOW CTRL V/V POS. SNSR
- P1105 AIR FLOW CTRL V/V SNSR - PF
- P1106 AIR FLOW CTRL V/V SNR-LOW INPUT
- P1107 AIR FLOW CTRL V/V SNSR-HI INPUT
- P1108 FUEL PUMP
- P1109 FUEL PUMP - PERFORMANCE
- P1110 FUEL PUMP - STUCK
- P1111 FUEL PUMP - ELEC. SYS
- P1112 MAP SENSOR
- P1113 MDP SNSR - PERFORMANCE MAL
- P1114 MDP SNSR -LOW INPUT
- P1115 COOLANT TEMP SENSOR SIGNAL
- P1116 BOOSTER PRESSURE SNSR - GND/OPEN

P1118 ETS MOTOR MAL

P1119 INLET METERING VALVE CONTROL

P1120 ELEC GOVERNOR MAL

P1121 THROTTLE POS INPUT SIG FAULT

P1122 BOOSTER PRESSURE SNSR - HIGH

P1123 TIMING POS SNSR MAL

P1124 IDLE RATIO (IDLING)-LEAN

P1125 FUEL PRESSURE1 MAL

P1126 FUEL PRESSURE2 MAL

P1127 CTRL SLEEVE POS SNSR MAL

P1128 IDLE RATIO (P /LOAD) - LEAN

P1129 SECOND LOCK SOLENOID MAL

P1130 START SOLENOID MAL

P1131 FUEL CORR RESISTANCE MAL

P1132 LIQUID FUEL SOL. FAULT

P1133 AT FUEL SOLENOID MAL

P1134 O2S (B1 /S1) TRANSITION

P1135 FUEL TIMING SERVO MAL

P1140 INTAKE AIR TEMP. SENSOR
P1141 SLOW DUTY SOL. MAL
P1143 FEED BACK SOL V/V MAL
P1144 FUEL CUT SOL V/V
P1145 MAIN DUTY SOL. MAL
P1146 IDLE CO POTENTIOMET
P1147 ACCEL POS SNSR CT MAL -ETS
P1150 MANIFOLD PRESSURE SENSOR
P1151 ACCEL POS SNSR CT MAL - ECU
P1154 O2S (B2/S1) TRANSITION
P1155 FAIL SAFE VALVE MAL
P1159 VARIABLE INTAKE DEVICE MAL
P1162 HIGH PRSS PUMP / FUEL LINE MAL
P1166 IDLE RATIO TRIM MAL
P1167 O2S (B2)CONT. ADAPTION
P1168 O2S HEATER PWR(B1/S2)
P1169 O2S HEATER PWR(B2/S2)
P1170 BAROMETRIC PRESSURE SNSR FLT

- P1171 ETS VALVE STUCK - OPEN
- P1172 ETS MOTOR OVER CURRENT
- P1173 ETS VALVE PERFORMANCE MAL.
- P1174 ETS VALVE STUCK - CLOSED 1
- P1175 ETS VALVE STUCK - CLOSED 2
- P1176 ETS MOTOR - SHORT /GND 1
- P1177 ETS MOTOR - SHORT /GND 2
- P1178 ETS MOTOR - SHORT TO BATT
- P1179 ETS MAGNETIC POLE - NOT SYNCH
- P1180 RAIL PRESSURE CTRL V/V FAULT
- P1181 INT. AIR VAR CTL SOL (OPEN/GND)
- P1182 INT. AIR VAR CTL SOL (PWR SHT)
- P1184 O2S (B1/S2) NO SIGNAL
- P1190 THROTTLE ACTUATOR CRCT FAULT
- P1191 ETS LIMPHOME VALVE ACTIVATE
- P1192 ETS LIMPHOME PERFORMANCE
- P1193 ETS LIMPHOME RPM -LOW
- P1194 ETS LIMPHOME TPS2 POS. MAL.

P1195 ETS LIMPHOME TARGETDELAY
P1196 ETS LIMPHOME STUCK
P1217 OVERHEAT
P1230 FUEL PUMP RELAY FLT(OPEN/GND)
P1231 FUEL PUMP RELAY FLT(PWR SHT)
P1300 TDC SNSR MAL
P1301 TDC SNSR - RANGE / PF MAL
P1302 TDC SNSR - SIGNAL LOW
P1303 TDC SNSR - SIGNAL HIGH
P1304 PHASE SNSR
P1305 PHASE SNSR - PERFORMANCE MAL
P1306 PHASE SNSR - LOW INPUT
P1307 PHASE SNSR - HIGH INPUT
P1308 IG. COIL 1
P1309 IG. COIL 1 - PF MAL
P1310 IG. COIL 1 - LOW OUTPUT
P1311 IG. COIL 1 - OVER OUTPUT
P1312 IG. COIL 2

P1313 IG. COIL 2 - PF MAL
P1314 IG. COIL 2 - LOW OUTPUT
P1315 IG. COIL 2 - OVER OUTPUT
P1316 IG. COIL 3
P1317 IG. COIL 3 - PF MAL
P1318 IG. COIL 3 - LOW OUTPUT
P1319 IG. COIL 3 - OVER OUTPUT
P1320 IG. COIL 4
P1321 IG. COIL 4 - PF MAL
P1322 IG. COIL 4 - LOW OUTPUT
P1323 IG. COIL 4 - OVER OUTPUT
P1324 PRE - HEATER RELAY MAL
P1325 GLOW RELAY - PERFORMANCE MAL
P1326 GLOW RELAY - STUCK
P1327 GLOW RELAY - ELEC. SYSTEM
P1330 SPARK TIMING ADJUST SIGNAL
P1331 #1 MISFIRE CIRCUIT - OPEN
P1332 #2 MISFIRE CIRCUIT - OPEN

P1333 #3 MISFIRE CIRCUIT - OPEN
P1334 #4 MISFIRE CIRCUIT - OPEN
P1335 #5 MISFIRE CIRCUIT - OPEN
P1336 #6 MISFIRE CIRCUIT - OPEN
P1337 #7 MISFIRE CIRCUIT - OPEN
P1338 #8 MISFIRE CIRCUIT - OPEN
P1341 #1 ION CIRCUIT
P1342 #2 ION CIRCUIT
P1343 #3 ION CIRCUIT
P1344 #4 ION CIRCUIT
P1345 #5 ION CIRCUIT
P1346 #6 ION CIRCUIT
P1347 #7 ION CIRCUIT
P1348 #8 ION CIRCUIT
P1351 #1 MISFIRE CIRCUIT - SHORT
P1352 #2 MISFIRE CIRCUIT - SHORT
P1353 #3 MISFIRE CIRCUIT - SHORT
P1354 #4 MISFIRE CIRCUIT - SHORT

P1355 #5 MISFIRE CIRCUIT - SHORT
P1356 #6 MISFIRE CIRCUIT - SHORT
P1357 #7 MISFIRE CIRCUIT - SHORT
P1358 #8 MISFIRE CIRCUIT - SHORT
P1372 SEGMENT TIME INCORRECT
P1400 EGR SOLENOID
P1401 EGR TEMP. SENSOR
P1405 EGR TEMP. UNCERTAIN
P1415 2 ND AIR INSUFFICIENT(B1)
P1416 2 ND AIR INJECTION
P1418 2 ND AIR INSUFFICIENT(B2)
P1419 2 ND AIR INJECTION V/V
P1420 EGR CONTROL
P1440 CANISTER V/V OPEN / SHORT
P1443 EVAPORATIVE EMISSION
P1458 A/C SW INPUT CIRCUIT
P1476 EXH GAS RCYL SOL FLT (BAT SHT)
P1477 EXH GAS RCYL SOL FLT (GND SHT)

- P1478 EXH GAS RCYL SOL FLT (OPEN)
- P1500 A/C SWITCH
- P1501 BRAKE SWITCH
- P1502 IDLE SPEED SWITCH
- P1503 ACCEL. SWITCH
- P1504 V' CLE SPD SNR FLT(CAN COMMERR)
- P1505 KICK DOWN SWITCH
- P1506 MPS
- P1507 MPS - RANGE / PERFORMANCE MAL
- P1508 MPS - SIGNAL LOW
- P1509 MPS - SIGNAL HIGH
- P1510 ISC V/V CIRCUIT MAL
- P1511 IDLE CHARGE ACTUATOR(ELEC)
- P1512 IDLE CHARGE ACTUATOR(MECHA)
- P1513 IDLE CHARGE ACTUATOR(FUNC FLT)
- P1514 FLUID TEMP. SNSR CIRCUIT
- P1515 FLUID TEMP. SNSR CT-PF MAL
- P1516 FLUID TEMP. SNSR CT-SIG. LOW

P1517 FLUID TEMP. SNSR CT-SIG. HIGH

P1520 ALTERNATOR FIELD COIL SIG MAL

P1521 PWR STEERING SW MAL

P1522 BATTERY FAULT

P1525 APS / BOOSTER PRSS SNSR PWR

P1526 SENSOR SUPPLY PWR 1 FAULT

P1527 SENSOR SUPPLY PWR 2 FAULT

P1529 TCU MIL REQUEST SIGNAL

P1530 MAX. VEHICLE SPEED LIMIT FLT

P1537 A/C RELAY CRCT FLT(PWR SHORT)

P1538 A/C RELAY CRCT - OPEN /GND SHORT

P1545 A/C COMPRESSOR SW OPEN/SHORT

P1552 ISC ACTUATOR(CLOSE) - SHORT

P1553 ISC ACTUATOR(CLOSE) - OPEN

P1555 IDLE CO POTEN. OPEN / SHORT

P1569 PRESSURE CTRL V/V CURRENT FLT

P1593 VICS VALVE

P1600 ECU K LINE MAL (SERIAL COMM)

P1601 ECU L LINE MAL

P1602 ECU - TCU COMM MAL

P1603 ECU - TCS COMM LINE MAL

P1604 TPS COMM MAL

P1605 VACUUM SOLENOID V/V

P1606 VACUUM SOLENOID V/V -PF

P1606 TCM FAULT(RESET CUNTER CRCT)

P1606 TCM FAULT(RESET CUNTER CRCT)

P1607 VACUUM SOLENOID V/V - STUCK

P1608 VACUUM SOL V/V ELEC. SYSTEM

P1609 VENTILATION SOL V/V

P1610 MAIN RELAY CRCT FLT (PWR SHORT)

P1611 MAIN RELAY CRCT (OPEN/GND SHT)

P1612 VENTILATION SOL V/V -ELEC. SYS

P1613 ECU SELF DIAGNOSIS MAL

P1614 ETS ECU MAL

P1616 MAIN RELAY MAL

P1617 MIL

P1619 MAIN RELAY

P1620 A/C RELAY

P1621 FUEL CUT VALVE MAL

P1622 A/C CONTROL CIRCUIT MAL

P1623 MIL OPEN / SHORT

P1624 RADIATOR FAN MAL

P1625 A/C FAN MAL

P1626 IMMOBILIZER INDICATOR LAMP

P1628 VAPORIZE LAMP MAL

P1629 GLOW LAMP FAULT

P1630 TCU COMM. LINE MAL

P1631 ECU COMM. LINE MAL

P1632 TCS SYSTEM MAL

P1633 IMMO. LAMP FAULT

P1634 CRUISE LAMP FAULT

P1635 WTS HEATER RELAY FAULT

P1638 ECU MICOM CRCT FAULT

P1639 ECU (MICOM) CRCT FAULT

P1640 VI MOTOR COIL 1 OPEN/SHORT

P1641 VI MOTOR COIL 2 OPEN/SHORT

P1642 SERIAL COMM. ERROR - NONIMMOB

P1645 INJECTOR DRIVING VOLTAGE FLT

P1647 OVER VOLTAGE

P1650 ENG FIX INDC LAMP CT (PWR SHT)

P1651 ENG FIX INDC LAMP CT(OPEN/GND)

P1652 IGNITION SW FAULT

P1653 FUEL CUT FLT AFTER ENG OFF

P1655 ECU INTERNAL FAULT

P1660 CRUISE CRCT FAULT

P1671 CAN COMM FLT - TCU MODL SIG INDC

P1672 CAN COMM FLT(CAN BUS OFF)

P1673 CAN COMM FLT(SIGNAL ERR)

P1674 A/C FAN RELAY

P1690 WATER HEATER RELAY

P1697 C/F RELAY(LOW SPEED)

P1698 C/F RELAY(HIGH SPEED)

P1699 MAIN RELAY

P1700 A/T GEAR SHIFT MAL

P1701 THROTTLE POS. SNSR CIRCUIT

P1701 COOLANT TEMP.SENSOR SIGNAL

P1702 TPS CIRCUIT - RANGE /PF MAL

P1702 ENGINE TORQUE SIGNAL

P1703 TPS -OPEN/GROUND

P1704 TPS -HIGH INPUT

P1706 INHIBITOR SWITCH

P1707 BRAKE SWITCH

P1708 ACCEL. SWITCH

P1709 KICK DOWN SWITCH

P1710 FLUID TEMP. SNSR CIRCUIT

P1710 TIMING SOL.-ELECTRICAL MAL.

P1711 FLUID TEMP. SNSR CT-PF MAL

P1712 FLUID TEMP. SNSR CT-LOW INPUT

P1713 FLUID TEMP. SNSR CT-HIGH INPUT

P1714 IDLE SPEED SWITCH

- P1715 A/C SWITCH
- P1716 STEERING SNSR
- P1717 STEERING SNSR - PERFORMANCE MAL
- P1718 STEERING SNSR -LOW INPUT
- P1719 STEERING SNSR - HIGH INPUT
- P1721 CONTROL RELAY
- P1722 CONTROL RELAY - PERFORMANCE
- P1723 CONTROL RELAY - STUCK
- P1724 CONTROL RELAY - ELEC. SYSTEM
- P1725 TOD CTRL UNIT(CHECKSUM) FAULT
- P1726 THROTTLE POS INPUT SIG MISS
- P1727 THROTTLE POS INPUT SIG FAULT
- P1728 EMC COIL - OPEN / PWR SHORT
- P1729 EMC COIL - GND SHORT
- P1730 FRT SPEED SNSR INPUT SIG LOW
- P1731 FRT SPEED SNSR INPUT SIG HIGH
- P1732 REAR SPEED SNSR INPUT SIG LOW
- P1733 REAR SPEED SNSR INPUT SIG HIGH

P1734 SPEED SNSR STD VOLT LOW INPUT
P1735 SPEED SNSR STD VOLT INPUT HIGH
P1736 SHIFT MOTOR - OPEN
P1737 SHIFT MOTOR - SHORT
P1738 SHIFT SYSTEM FAULT
P1739 POS ENCODER FAULT
P1740 SHIFT MOTOR (POS1) -GND SHORT
P1741 SHIFT MOTOR (POS2) - GND SHORT
P1742 SHIFT MOTOR (POS3) - GND SHORT
P1743 SHIFT MOTOR (POS4) - GND SHORT
P1744 LOCKUP CLUTCH SYSTEM
P1745 TCU K LINE
P1746 TCU L LINE
P1747 TCU - ECU COMM LINE #1 MAL
P1748 TCU - ECU COMM LINE #2 MAL
P1749 SERIAL COMM. - OPEN/GND
P1750 TPS COMM MAL
P1751 AUTO CONTROL RELAY -MAL.

P1752 'P' SHIFT POS. INDIC. LAMP
P1753 'R' SHIFT POS. INDIC. LAMP
P1754 'N' SHIFT POS. INDIC. LAMP
P1755 'D' SHIFT POS. INDIC. LAMP
P1756 '3' SHIFT POS. INDIC. LAMP
P1757 '2' SHIFT POS. INDIC. LAMP
P1758 'L' SHIFT POS. INDIC. LAMP
P1759 ECU MEM. CHECKSUM MAL
P1760 ECU PROGRAM MAL
P1761 ECU KEEP ALIVE MEM. MAL
P1762 ECU RAM MAL
P1763 ECU BOM MAL
P1764 TCU CAN COMM. CONTROL MAL
P1765 TORQUE REDUC. SIG. CT MAL
P1766 TORQUE REDUC. SIG. CT MAL
P1771 GEARSHIFT POS. SENSOR MAL
P1772 GEARSHIFT POS. SENSOR MAL
P1773 GEAR BOX RPM SNSR MAL

P1774 CRC SENSOR MAL

P1775 TCU MAL

P1776 POWER CONTROL UNIT MAL

P1777 POWER CONTROL UNIT - OUTPUT MAL

P1778 ELECTRONIC V/V MAL

P1779 START RELAY MAL

P1779 ENGINE TORQUE SIGNAL FAULT

P1780 PUSH - PULL SENSOR MAL

P1780 ENG TORQUE SIG ERR(CAN COMM)

P1781 ACTUATOR MAL

P1782 ACTUATOR POS. SENSOR MAL

P1786 ENGINE RPM OUTPUT CIRCUIT

P1787 HYDRO SYSTEM MAL

P1790 TCM CHECKSUM FAULT

P1791 THROTTLE OPEN DUTY FAULT

P1795 GROUND RETURN CIRCUIT ABNORMAL

P1813 T/M OIL TEMP SNSR CRCT FAULT

P1839 EDS 3 DRV CRCT GND SHORT

P1840 EDS 3 DRV CRCT BATT SHORT
P1841 EDS 3 DRV CRCT OPEN
P1850 SOL.1 DRV GND SHORT
P1851 SOL.1 DRV BATT PWR SHORT
P1852 SOL.1 DRV CRCT OPEN
P1853 SOL.2 DRV GND SHORT
P1854 SOL.2 DRV PWR SHORT
P1855 SOL.2 DRV CRCT OPEN
P1861 EDS 4 DRV CRCT GND SHORT
P1862 EDS 4 DRV CRCT BATT SHORT
P1863 EDS 4 DRV CRCT OPEN
P1864 EDS 5 DRV GND SHORT
P1865 EDS 5 DRV CRCT BATT SHORT
P1866 EDS 5 DRV CRCT OPEN
P1867 EDS 6 DRV GND SHORT
P1868 EDS 6 DRV CRCT BATT SHORT
P1869 EDS 6 DRV CRCT OPEN
P1870 SOL/EDS PWR SPL(GND SHT/OPEN)

P1871 SOL/EDS PWR SPL(BATT SHORT)

P1873 SOL/EDS PWR SPL(GND SHT/OPEN)

P1874 SOL/EDS PWR SPL(BATT SHORT)

P1881 2-1 GEAR SHIFT FAULT

P1883 3-2 GEAR SHIFT FAULT

P1884 4-3 GEAR SHIFT FAULT

P1885 3-1 GEAR SHIFT FAULT

P1886 4-2 GEAR SHIFT FAULT

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DAIHATSU OBD II DTC

- P1105 Barometric pressure sensor
- P1120 G sensor open or short circuit
- P1121 G sensor characteristic abnormal
- P1124 TPS(self learn)
- P1125 Throttle motor open circuit
- P1127 Throttle motor power supply open circuit
- P1128 Throttle valve stuck£-dirty block
- P1129 Emergency home abnormal 1
- P1131 Emergency home abnormal 2
- P1132 Air flow abnormal when Emergency home active
- P1133 Rear bump device abnormal
- P1140 Throttle motor drive circuit fault, short circuit
- P1180 G sensor 2 open or short circuit
- P1346 VVT control (Valve timing fail)
- P1349 VVT control(Advance;ϕretard angle fail)
- P1402 TPS 2 open or short circuit
- P1403 TPS output abnormal

- P1510 Starter signal
- P1520 Switch signal system
- P1530 A/C evaporator temperature sensor
- P1600 Keyless communication(ECU abnormal)
- P1601 Keyless communication(code disaccord;ϕcommunication error)
- P1602 Communicate with A/T system
- P1602 EFI communication malfunction
- P1632 Boost sensor circuit abnormal
- P1633 ECU emergency home circuit abnormal
- P1634 EFI(main)CPU abnormal
- P1636 System voltage low
- P1638 ETC CPU abnormal
- P1640 EFI-ETC CPU communication error
- P1643 Motor power supply circuit abnormal
- P1649 Electrical throttle system error
- P1650 G sensor input circuit abnormal(A/D)
- P1651 TPS input circuit abnormal(A/D)
- P1656 OCV control abnormal

- P1670 Standard RAM abnormal(EFI)
- P1671 Standard RAM abnormal(ETC)
- P1703 Lock up speed disaccord
- P1704 Shift gear SW circuit short
- P1705 Shift UP/DOWN SW circuit short
- P1711 TPS signal abnormal
- P1721 Engine torque signal abnormal
- P1780 N start SW(Multiple)
- P1780 SW solenoid circuit open/short
- P1781 N start SW(no input)
- P1786 Transmission range sensor signal abnormal
- P1787 Transmission range sensor (LOW)
- P1788 Transmission range sensor(HIGH)
- P1789 Transmission range sensor no learn
- P1805 CVT-EFI communication error
- P1805 E/G ECU communication input system open
- P1806 E/G ECU communication input data abnormal
- P1807 DC motor abnormal

- P1808 DC motor short
- P1809 DC motro lock
- P1812 Electromagnitism clutch circuit open
- P1813 Electromagnitism clutch circuit open/short
- P1814 Strap slip or position sensor fixed
- P1820 Main RPM sensor
- P1825 Sub RPM sensor

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FIAT OBDII DTC

- P1001 CAN line
- P1003 Ext. influence on quantity
- P1101 Barometer pressure
- P1101 Pressure loss in the boost circuit
- P1105 Altitude sensor
- P1106 Boost pressure sensor
- P1107 Spirl solenoid
- P1108 Electric fan - assembly 1
- P1109 Electric fan - assembly 2
- P1110 A/C control break off
- P1110 Signal disconnection A/C
- P1112 Control fuel pressure
- P1118 Diesel pressure control
- P1121 Throttle position potentiometer 1 [signal implausible]
- P1121 Throttle potentiometer track 1
- P1122 Throttle position sensor [signal implausible]
- P1122 Throttle potentiometer track 2

- P1132 Fuel rail pressure
- P1132 Sensor of catalyst temperature
- P1133 Lambda 1 signal above catal.(deviated)
- P1133 Oxygen sensor B1-S1
- P1135 In position 3 piston
- P1135 Oxygen sensor B1-S2
- P1135 Preheating resistance 1 above catal.
- P1138 Diesel pressure circuit
- P1141 Worheiwid. 1 below
- P1153 Lambda 2 signal above catal.(deviated)
- P1155 Preheating resistance 2 above catal.
- P1169 Voltage condition 1
- P1170 Mixture ratio [Minimum lean fuel]
- P1170 Voltage condition 2
- P1171 Self adaptive parameter DTV
- P1171 Test break off, cylinder regulating
- P1171 Test interruption Testing One
- P1172 Mixture 1 stength (multiplicative)

P1172 Self adaptive parameter TRA

P1173 Mixture 1 stength (additive)

P1173 Ratio mixture 1

P1173 Self adaptive parameter FRA

P1175 Mixture 2 stength (multiplicative)

P1176 Mixture 2 stength (additive)

P1177 Mixture 1 stength (multiplicative)

P1178 Mixture 2 stength (multiplicative)

P1220 Throttle position [signal implausible]

P1221 Accelerator potent. track 1

P1221 Line driven potentiometer 1 [signal implausible]

P1222 Accelerator potent. track 2

P1222 Line driven potentiometer 2 [signal implausible]

P1226 Accelerator pedal movement

P1300 Relais pre/after heating

P1300 Tonrad [run] takeover

P1300 Tooth wheel [Accomplish]

P1301 Classification injector

- P1314 Vertical acc.
- P1320 Synchronise Pulse/RPM
- P1320 Timing/revs synchronisation
- P1325 Circuit detonation value
- P1325 Detonate sensor [signal implausible]
- P1325 Knock measuring circuit
- P1325 Knock test regulating circuit [open or short to earth]
- P1326 Knock control
- P1336 Torque control(request)
- P1337 Torque control(comparision)
- P1402 Flap
- P1402 Ventol EGR throttle valve
- P1403 Additional heating
- P1403 Auxiliary heater
- P1404 Circuit TL4226
- P1408 Coolant heating circuit
- P1408 Heater from heat circuit
- P1421 Catalytic converter 1 temperature

- P1425 Catalytic converter 2 temperature
- P1429 Pressure sensor discharging
- P1435 Additive addition system
- P1446 Additive
- P1448 Particle filter (FAP)
- P1451 Intake air heater control
- P1458 Water valve
- P1481 Fan control
- P1504 Input key
- P1511 Battery voltage below sensing
- P1511 Battery voltage low
- P1511 Idle speed regulation potentiometer
- P1512 Driver minute block
- P1513 Idle speed regulator
- P1514 MIL [signal implausible]
- P1519 Cooler control unit
- P1521 Contact voltage supply
- P1529 Clutch switch

- P1531 A/C compressor relay
- P1531 Climate control [open circuit]
- P1536 ESP system
- P1555 Brake/Accelerate signal implausible
- P1565 Cruise control level line
- P1565 Lever cruise control Line
- P1601 Cruise control switch off
- P1602 A/D converter
- P1602 Battery voltage
- P1602 Voltage circuit
- P1602 Voltage regulator
- P1603 Control Unit Power Supply
- P1604 Main relay
- P1606 Diagnostic lamp
- P1606 MIL
- P1608 Coolant temperature warning lamp
- P1608 Engine coolant temperature indicator
- P1612 Fuel filter heater relay

- P1613 Fuel contain water
- P1613 Remote coding
- P1614 Battery voltage sensor
- P1614 Supply voltage sensor
- P1620 Error in ECU gas [Error]
- P1653 Camshaft position (phase) regulation
- P1653 Phase variator
- P1654 Control module malfunction
- P1654 Modular manifold
- P1655 Control module malfunction
- P1664 Repeat throttle angle [over max. value]
- P1671 Diesel pressure regulation
- P1671 Fuel rail pressure regulator
- P1672 Control module memory
- P1673 Voltage condition 1
- P1674 Voltage condition 2
- P1680 Motorised throttle(spring)
- P1681 Motorised throttle(spring)

- P1682 Motorised throttle
- P1683 Motorised throttle(recovery)
- P1684 Motorised throttle(plausibility)
- P1685 Motorised throttle(without learn)
- P1686 Motorised throttle(1st idle learn)
- P1686 TP adjustment self adaptive [signal implausible]
- P1687 Motorised throttle(stop learn)
- P1687 Throttle driven [signal implausible]
- P1688 Motorised throttle(2nd idle learn)
- P1689 Motorised throttle(self-compensation)
- P1690 Safety cut-off
- P1691 Secure breakdown
- P1702 Connector lamp from A/T
- P1703 Engine shut-down from aut. gearbox
- P1703 Manual position switch
- P1704 Auto transmission
- P1704 Secondary pressure sensor
- P1705 Auto transmission RPM Regulation

- P1705 Connection with ABS
- P1705 Control revs A/T
- P1705 Reg. revs A/T
- P1706 Throttle signal
- P1707 Pulley check
- P1708 Secondary pressure check
- P1709 Chutch check
- P1710 Brake Switch
- P1711 Key lock solenoid
- P1712 Lever Release solenoid
- P1713 Neutral Signal to engine ECU
- P1722 Idle Increase Signal to Engine ECU

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FORD OBD II DTC

- P1000 OBD Systems Readiness Test Not Complete
- P1001 KOER Not Able to Complete, KOER Aborted
- P1003 Transmission Range Sensor Circuit Malfunction.
- P1005 Differential Pressure Feedback EGR (DPFE) Sensor Circuit Low Voltage Detected
- P1008 Evaporative emission control system purge control valve circuit malfunction
- P1039 Vehicle Speed Signal Missing Or Improper
- P1051 Brake Switch Signal Missing Or Improper
- P1071 (SCP) invalid or missing data for engine sensors
- P1073 (SCP) invalid or missing data for engine coolant
- P1100 Mass Air Flow Sensor Circuit Intermittent/Check of all OBDII Systems Not Complete
- P1101 Mass Air Flow Sensor Out Of Self Test Range/KOER Not Able To Complete KOER Aborted
- P1102 MAF Sensor In Range But Lower Than Expected

- P1103 MAF Sensor In Range But Higher Than Expected
- P1104 MAF Ground Malfunction
- P1105 Dual Alternator Upper Fault
- P1106 Dual Alternator Lower Fault
- P1107 Dual Alternator Lower Circuit
- P1108 Dual Alternator Lower Circuit
- P1109 Intake Air Temperature B Circuit Intermittent
- P1110 IAT Sensor (D/C) Open/Short
- P1111 Intake Air Temperature (IAT) Sensor Circuit Intermittent High Voltage
- P1112 Intake Air Temperature Circuit Intermittent
- P1113 IAT Sensor Open/Short
- P1114 Intake Air Temperature B Circuit Low Input (Super/Turbo Charged engines)
- P1115 Intake Air Temperature B Circuit High Input (Super/Turbo Charged engines)
- P1116 Engine Coolant Temperature Sensor Out Of Self Test Range
- P1117 Engine Coolant Temperature Sensor Circuit Intermittent
- P1118 Manifold Air Temperature Circuit Low Input

- P1119 Manifold Air Temperature Circuit High Input
- P1120 Throttle Position Sensor A Out Of Range Low (Ratch too low)
- P1121 Throttle Position Sensor A Inconsistent With Mass Air Flow Sensor
- P1122 Pedal Position Sensor A Circuit Low Input
- P1123 Pedal Position Sensor A Circuit High Input
- P1124 Throttle Position Sensor A Out Of Self Test Range
- P1125 Throttle Position Sensor A Intermittent
- P1126 Throttle Position (Narrow Range) Sensor Circuit Malfunction
- P1127 Exhaust Not Warm, Downstream O2 Sensor Not Tested
- P1128 Upstream HO2S Sensors Swapped
- P1129 Downstream HO2S Sensors Swapped
- P1130 Lack Of HO2S11 Switches - Fuel Trim At Limit
- P1131 Lack Of HO2S11 Switches - Sensor Indicates Lean
- P1132 Lack Of HO2S11 Switches - Sensor Indicates Rich
- P1133 Bank 1 Fuel Control Shifted Lean (FAOSC)
- P1134 Bank 1 Fuel Control Shifted Rich (FAOSC)
- P1135 Pedal Position Sensor A Circuit Intermittent
- P1136 Fan Control Circuit Malfunction

- P1137 Lack of HO2S12 Switches - Sensor Indicates Lean
- P1138 Lack of HO2S12 Switches - Sensor Indicates Rich
- P1139 Water in Fuel Indicator Circuit
- P1140 Water in Fuel Condition
- P1141 Fuel Restriction Indicator Circuit
- P1142 Fuel Restriction Condition
- P1143 Air Assist Control Valve Range/Performance
- P1144 Air Assist Control Valve Circuit Malfunction
- P1150 Lack of HO2S21 Switches - Fuel Trim At Limit
- P1151 Lack of HO2S21 Switches - Sensor Indicates Lean
- P1152 Lack of HO2S21 Switches - Sensor Indicates Rich
- P1153 Bank 2 Fuel Control Shifted Lean (FAOSC)
- P1154 Bank 2 Fuel Control Shifted Rich (FAOSC)
- P1155 Alternative Fuel Control Module Has Activated the MIL
- P1156 Fuel Select Switch Malfunction
- P1157 Lack of HO2S22 Switches - Sensor Indicates Lean
- P1158 Lack of HO2S22 Switches - Sensor Indicates Rich
- P1159 Fuel Stepper Motor Malfunction

- P1167 Invalid Test,throttle not depressed
- P1168 Fuel Rail Pressure Sensor In Range But Low
- P1169 Fuel Rail Pressure Sensor In Range But High
- P1170 Engine Shut Off Solenoid
- P1171 Rotor Sensor
- P1172 Rotor Control
- P1173 Rotor Calibration
- P1174 Cam Sensor
- P1175 Cam Control
- P1176 Cam Calibration
- P1177 Synchronization
- P1178 Boltup Limits
- P1180 Fuel Delivery System - Low
- P1181 Fuel Delivery System - High
- P1182 Fuel Shut Off Solenoid Malfunction
- P1183 Engine Oil Temperature Sensor Circuit
- P1184 Engine Oil Temperature Sensor Out Of Self Test Range
- P1185 Fuel Pump Temperature Sensor High

- P1186 Fuel Pump Temperature Sensor Low
- P1187 Variant Selection
- P1188 Calibration Memory
- P1189 Pump Speed Signal
- P1190 Calibration Resistor Out Of Range
- P1191 Key Line Voltage
- P1192 V External
- P1193 EGR Driver Over Current
- P1194 ECM/PCM A/D Converter
- P1195 SCP HBCC Chip Failed to Initialize
- P1196 Key Off Voltage High
- P1197 Key Off Voltage Low
- P1198 Pump Rotor Control Underfueling
- P1199 Fuel Level Input Circuit Low
- P1200 Injector Control Circuit
- P1201 Injector Circuit Open / Shorted - Cylinder #1
- P1202 Injector Circuit Open / Shorted - Cylinder #2
- P1203 Injector Circuit Open / Shorted - Cylinder #3

- P1204 Injector Circuit Open / Shorted - Cylinder #4
- P1205 Injector Circuit Open / Shorted - Cylinder #5
- P1206 Injector Circuit Open / Shorted - Cylinder #6
- P1209 Injector Control Pressure Peak Delta Test Fault
- P1210 Injector Control Pressure Above Expected Level
- P1211 Injector Control Pressure Above/Below Desired
- P1212 Injector Control Pressure Not At Expected Level
- P1213 Start Injector Circuit Malfunction
- P1214 Pedal Position Sensor B Circuit Intermittent
- P1215 Pedal Position Sensor C Circuit Low Input
- P1216 Pedal Position Sensor C Circuit High Input
- P1217 Pedal Position Sensor C Circuit Intermittent
- P1218 CID High
- P1219 CID Low
- P1220 Series Throttle Control System
- P1221 Traction Control System
- P1222 Traction Control Output Circuit
- P1223 Pedal Position Sensor B Circuit High Input

- P1224 Throttle Position Sensor B Out Of Self Test Range
- P1225 Needle Lift Sensor Malfunction
- P1226 Control Sleeve Sensor Malfunction
- P1227 Wastegate Failed Closed (Over pressure)
- P1228 Wastegate Failed Open (Under pressure)
- P1229 Charge Air Cooler Pump Driver
- P1230 Fuel Pump Low Speed Malfunction (VLCM)
- P1231 Fuel Pump Secondary Circuit Low, High Speed (VLCM)
- P1232 Fuel Pump Speed Primary Circuit (Two speed fuel pump)
- P1233 Fuel Pump Driver Module Disabled or Off Line (Fuel Pump Driver Module)
- P1234 Fuel Pump Driver Module Disabled or Off Line (Fuel Pump Driver Module)
- P1235 Fuel Pump Control Out Of Range (Fuel Pump Driver Module/VLCM)
- P1236 Fuel Pump Control Out Of Range (Fuel Pump Driver Module)
- P1237 Fuel Pump Secondary Circuit (Fuel Pump Driver Module)
- P1238 Fuel Pump Secondary Circuit (Fuel Pump Driver Module)
- P1239 Speed Fuel Pump Positive Feed

- P1240 Sensor Power Supply Malfunction
- P1241 Sensor Power Supply Low Input
- P1242 Sensor Power Supply High Input
- P1243 Second Fuel Pump Fault or Ground Fault
- P1244 Alternator Load High Input
- P1245 Alternator Load Low Input
- P1246 Alternator Load Input
- P1247 Turbo Boost Pressure Low
- P1248 Turbo Boost Pressure Not Detected
- P1249 Wastegate Control Valve Performance
- P1250 PRC Solenoid Circuit Malfunction
- P1251 Air Mixture Solenoid Circuit Malfunction
- P1252 Pedal Correlation PDS1 and LPDS High
- P1253 Pedal Correlation PDS1 and LPDS Low
- P1254 Pedal Correlation PDS2 and LPDS High
- P1255 Pedal Correlation PDS2 and LPDS Low
- P1256 Pedal Correlation PDS1 and HPDS
- P1257 Pedal Correlation PDS2 and HPDS

- P1258 Pedal Correlation PDS1 and PDS2
- P1259 Immobilizer to PCM Signal Error
- P1260 Theft Detected, Vehicle Immobilized
- P1261 Cylinder #1 High To Low Side Short
- P1262 Cylinder #2 High To Low Side Short
- P1263 Cylinder #3 High To Low Side Short
- P1264 Cylinder #4 High To Low Side Short
- P1265 Cylinder #5 High To Low Side Short
- P1266 Cylinder #6 High To Low Side Short
- P1267 Cylinder #7 High To Low Side Short
- P1268 Cylinder #8 High To Low Side Short
- P1269 Immobilizer Code Not Programmed
- P1270 Engine RPM or Vehicle Speed Limiter Reached
- P1271 Cylinder #1 High To Low Side Open
- P1272 Cylinder #2 High To Low Side Open
- P1273 Cylinder #3 High To Low Side Open
- P1274 Cylinder #4 High To Low Side Open
- P1275 Cylinder #5 High To Low Side Open

- P1276 Cylinder #6 High To Low Side Open
- P1277 Cylinder #7 High To Low Side Open
- P1278 Cylinder #8 High To Low Side Open
- P1280 Injector Control Pressure Out Of Range Low
- P1281 Injector Control Pressure Out Of Range High
- P1282 Excessive Injector Control Pressure
- P1283 Injector Pressure Regulator Circuit
- P1284 Aborted KOER - Injector Control Pressure Failure
- P1285 Cylinder Head Overtemperature Condition
- P1286 Fuel Pulsewidth In Range But Lower Than Expected
- P1287 Fuel Pulsewidth In Range But Higher Than Expected
- P1288 Cylinder Head Temperature Sensor Out Of Self Test Range
- P1289 Cylinder Head Temperature Sensor Circuit High Input
- P1290 Cylinder Head Temperature Sensor Circuit Low Input
- P1291 Injector High Side Short To GND Or VBATT - Bank 1
- P1292 Injector High Side Short To GND Or VBATT - Bank 2
- P1293 Injector High Side Open - Bank 1
- P1294 Injector High Side Open - Bank 2

- P1295 Injector Multiple Faults - Bank 1
- P1296 Injector Multiple Faults - Bank 2
- P1297 Injector High Side Switches Shorted Together
- P1298 Injector Driver Module Failure
- P1299 Cylinder Head Overtemperature Protection Active
- P1300 Boost Calibration Fault
- P1301 Boost Calibration High
- P1302 Boost Calibration Low
- P1303 Exhaust Gas Recirculation Calibration Fault
- P1304 Exhaust Gas Recirculation Calibration High
- P1305 Exhaust Gas Recirculation Calibration Low
- P1306 Kickdown Relay Pull-in Circuit
- P1307 Kickdown Relay Hold Circuit
- P1308 A/C Clutch Circuit Fault
- P1309 Misfire Monitor AICE Chip Fault, Misfire Monitor Disabled
- P1310 Ionization Misfire Detection Module Fault
- P1311 Ionization Misfire Detection Module Communication Fault
- P1313 Misfire Rate Catalyst Damage Fault - Bank 1

- P1314 Misfire Rate Catalyst Damage Fault - Bank 2
- P1315 Persistent Misfire
- P1316 IDM Codes Detected
- P1317 Injector Circuit / IDM Codes Not Updated
- P1336 Crank / Cam Sensor Range / Performance
- P1340 Camshaft Position Sensor B Circuit
- P1341 Camshaft Position Sensor B Range / Performance
- P1345 SGC (Cam Position) Sensor Circuit Malfunction/ Crankshaft Position -
Camshaft
Position Correlation
- P1346 Fuel Level Sensor B Circuit Malfunction
- P1347 Fuel Level Sensor B Range / Performance
- P1348 Fuel Level Sensor B Circuit Low
- P1349 Fuel Level Sensor B Circuit High
- P1350 Fuel Level Sensor B Intermittent/Bypass Line Monitor
- P1351 Ignition Diagnostic Monitor Input Circuit
- P1352 Ignition Coil A Primary Circuit
- P1353 Ignition Coil B Primary Circuit

- P1354 Ignition Coil C Primary Circuit
- P1355 Ignition Coil D Primary Circuit
- P1356 Ignition Diagnostic Monitor Indicates Engine Not Turning
- P1357 Ignition Diagnostic Monitor Pulsewidth Not Defined
- P1358 Ignition Diagnostic Monitor Signal Out Of Self Test Range (no CPU OK)
- P1359 Spark Output Circuit
- P1360 Ignition Coil A Secondary Circuit
- P1361 Ignition Coil B Secondary Circuit
- P1362 Ignition Coil C Secondary Circuit
- P1363 Ignition Coil D Secondary Circuit
- P1364 Ignition Coil Primary Circuit
- P1365 Ignition Coil Secondary Circuit
- P1366 Ignition Spare
- P1367 Ignition Spare
- P1368 Ignition Spare
- P1369 Engine Temperature Light Circuit
- P1370 Insufficient RMP Increase During Spark Test

- P1371 Ignition Coil - Cylinder 1 - Early Activation Fault
- P1372 Ignition Coil - Cylinder 2 - Early Activation Fault
- P1373 Ignition Coil - Cylinder 3 - Early Activation Fault
- P1374 Crankshaft Position (CKP)/Ignition Coil - Cylinder 4 - Early Activation Fault
- P1375 Ignition Coil - Cylinder 5 - Early Activation Fault
- P1376 Ignition Coil - Cylinder 6 - Early Activation Fault
- P1380 Camshaft Position Actuator Circuit (Bank 1)
- P1381 Camshaft Position Timing Over Advanced (Bank 1)
- P1382 Variable Cam Timing Solenoid #1 Circuit Malfunction
- P1383 Camshaft Position Timing Over Retarded (Bank 1)
- P1384 VVT Solenoid A Malfunction
- P1385 Camshaft Position Actuator Circuit (Bank 2)
- P1386 Camshaft Position Timing Over Advanced (Bank 2)
- P1387 Variable Cam Timing Solenoid #2 Circuit Malfunction
- P1388 Camshaft Position Timing Over Retarded (Bank 2)
- P1389 Glow Plug Circuit High Side Low Input
- P1390 Octane Adjust Service Pin In Use/Circuit Open

- P1391 Glow Plug Circuit Low Input (Bank #1)
- P1392 Glow Plug Circuit High Input (Bank #1)
- P1393 Glow Plug Circuit Low Input (Bank #2)
- P1394 Glow Plug Circuit High Input (Bank #2)
- P1395 Glow Plug Monitor Fault (Bank #1)
- P1396 Glow Plug Monitor Fault (Bank #2)
- P1397 System Voltage Out Of Self Test Range
- P1398 VVT Solenoid B Circuit High Input
- P1399 Glow Plug Circuit High Side, High Input
- P1400 Differential Pressure Feedback EGR Circuit Low Input
- P1401 Differential Pressure Feedback EGR Circuit High Input
- P1402 Exhaust Gas Recirculation Metering Orifice Restricted
- P1403 Differential Pressure Feedback Sensor Hoses Reversed
- P1404 EGR Temperature Sensor Circuit
- P1405 Differential Pressure Feedback Sensor Upstream Hose Off Or Plugged
- P1406 Differential Pressure Feedback Sensor Downstream Hose Off Or
Plugged
- P1407 Exhaust Gas Recirculation No Flow Detected

- P1408 Exhaust Gas Recirculation Flow Out Of Self Test Range
- P1409 EGR Vacuum Regulator Solenoid Circuit
- P1410 Auxiliary Air Cleaner Inlet Control Circuit
- P1411 Secondary Air Injection Incorrect Downstream Flow Detected
- P1413 Secondary Air Injection Monitor Circuit Low Input
- P1414 Secondary Air Injection Monitor Circuit High Input
- P1415 Air Pump Circuit Malfunction/ (AIR) System Bank 1
- P1416 Port Air Circuit Malfunction/ (AIR) System Bank 2
- P1417 Port Air Relief Circuit Malfunction
- P1418 Split Air #1 Circuit Malfunction
- P1419 Split Air #2 Circuit Malfunction
- P1420 Catalyst Temperature Sensor Failure
- P1421 Catalyst Damage
- P1422 EGI Temperature Sensor Failure
- P1423 EGI Functionality Test Failed
- P1424 EGI Glow Plug Primary Failure
- P1425 EGI Glow Plug Secondary Failure
- P1426 EGI Mini - MAF Failed Out Of Range

- P1427 EGI Mini - MAF Failed Short Circuit
- P1428 EGI Mini - MAF Failed Open Circuit
- P1429 Electric Air Pump Primary Failure
- P1430 Electric Air Pump Secondary Failure
- P1431 Misfire Monitor Disabled, Unable to Learn Trigger Wheel Profile
- P1433 A/C Refrigerant Temperature Circuit Low
- P1434 A/C Refrigerant Temperature Circuit High
- P1435 A/C Refrigerant Temperature Circuit Range/Performance
- P1436 A/C Evaporator Air Temperature Circuit Low
- P1437 A/C Evaporator Air Temperature Circuit High
- P1438 A/C Evaporator Air Temperature Circuit Range/Performance
- P1439 Floor Temperature Switch Circuit Malfunction
- P1440 Purge Valve Stuck Open
- P1441 Evaporative Emission (EVAP) System Flow During Non-Purge
- Chevrolet Only
- P1442 Evaporative Emission Control System Control Leak Detected
- P1443 Evaporative Emission Control System Control Valve
- P1444 Purge Flow Sensor Circuit Low Input

- P1445 Purge Flow Sensor Circuit High Input
- P1446 Evaporative Vac Solenoid Circuit Malfunction
- P1447 ELC System Closure Valve Flow Fault
- P1448 ELC System 2 Fault
- P1449 Evaporative Check Solenoid Circuit Malfunction
- P1450 Unable to Bleed Up Fuel Tank Vacuum
- P1451 Evaporative Emission Control System Vent Control Circuit
- P1452 Unable to Bleed Up Fuel Tank Vacuum
- P1453 Fuel Tank Pressure Relief Valve Malfunction
- P1454 Evaporative System Vacuum Test Malfunction
- P1455 Evaporative Emission Control System Control Leak Detected (gross leak/no flow)
- P1456 Fuel Tank Temperature Sensor Circuit Malfunction
- P1457 Unable to Pull Fuel Tank Vacuum
- P1460 Wide Open Throttle A/C Cutout Circuit
- P1461 A/C Pressure Sensor Circuit High Input
- P1462 A/C Pressure Sensor Circuit Low Input
- P1463 A/C Pressure Sensor Insufficient Pressure Change

- P1464 A/C Demand Out Of Self Test Range
- P1465 A/C Relay Circuit
- P1466 A/C Refrigerant Temperature Sensor Circuit
- P1467 A/C Compressor Temperature Sensor Malfunction
- P1468 SSPOD Open Circuit or Closed Circuit Fault
- P1469 Rapid A/C Cycling
- P1470 A/C Cycling Period Too Short
- P1471 Electrodrive Fan 1 Operational Failure (Driver Side)
- P1472 Electrodrive Fan 2 Operational Failure (Passenger Side)
- P1473 Fan Circuit Open (VLCM)
- P1474 Fan Control Primary Circuit
- P1475 Fan Relay (Low) Circuit Malfunction
- P1476 Fan Relay (High) Circuit Malfunction
- P1477 Additional Fan Relay Circuit Malfunction
- P1478 Cooling Fan Driver Fault
- P1479 High Fan Control Primary Circuit
- P1480 Fan Secondary Low With Low Fan On
- P1481 Fan Secondary Low With High Fan On

- P1482 SCP
- P1483 Brake Pedal Input Short To Battery
- P1484 Fan Driver Circuit Open To Power Ground (VLCM)
- P1485 Brake Pedal Input Short To Battery
- P1486 EGRA Circuit Malfunction
- P1487 EGRCHK Solenoid Circuit Malfunction
- P1490 Secondary Air Relief Solenoid Circuit Malfunction
- P1491 Secondary Switch Solenoid Circuit Malfunction
- P1492 APLSOL Solenoid Circuit Malfunction
- P1493 RCNT Solenoid Circuit Malfunction
- P1494 SPCUT Solenoid Circuit Malfunction
- P1495 TCSPL Solenoid Circuit Malfunction
- P1500 Vehicle Speed Sensor
- P1501 Vehicle Speed Sensor Out Of Self Test Range
- P1502 Vehicle Speed Sensor Intermittent
- P1503 Auxillary Speed Sensor Fault
- P1504 Idle Air Control Circuit
- P1505 Idle Air Control System At Adaptive Clip

- P1506 Idle Air Control Overspeed Error
- P1507 Idle Air Control Underspeed Error
- P1508 Idle Control System Circuit Open
- P1509 Idle Control System Circuit Shorted
- P1510 Idle Signal Circuit Malfunction
- P1511 Idle Switch (Electric Control Throttle) Circuit Malfunction
- P1512 Intake Manifold Runner Control Stuck Closed (Bank 1)
- P1513 Intake Manifold Runner Control Stuck Closed (Bank 2)
- P1514 High Load Neutral/Drive Fault
- P1515 Electric Current Circuit Malfunction
- P1516 Intake Manifold Runner Control Input Error (Bank 1)
- P1517 Intake Manifold Runner Control Input Error (Bank 2)
- P1518 Intake Manifold Runner Control Stuck Open (Bank 1)
- P1519 Intake Manifold Runner Control Stuck Closed (Bank 2)
- P1520 Intake Manifold Runner Control Circuit
- P1521 Variable Intake Solenoid #1 Circuit Malfunction
- P1522 Variable Intake Solenoid #2 Circuit Malfunction
- P1523 IVC Solenoid Circuit Malfunction

- P1524 Variable Intake Solenoid System
- P1525 Air Bypass Valve System
- P1526 Air Bypass System
- P1527 Accelerate Warmup Solenoid Circuit Malfunction
- P1528 Subsidiary Throttle Valve Solenoid Circuit Malfunction
- P1529 SCAIR Solenoid Circuit Malfunction
- P1530 A/C Clutch Circuit Open (VLCM)
- P1531 Invalid Test - Accelerator Pedal Movement
- P1532 Intake Manifold Communication Control Circuit (Bank 2)
- P1533 Air Assisted Injector Circuit
- P1534 Restraint Deployment Indicator Circuit
- P1535 Blower Fan Speed Circuit Range/Performance
- P1536 Parking Brake Switch Circuit Failure
- P1537 Intake Manifold Runner Control Stuck Open (Bank 1)
- P1538 Intake Manifold Runner Control Stuck Open (Bank 2)
- P1539 A/C Clutch Circuit Overcurrent/Short (VLCM)
- P1540 Air Bypass Valve Circuit Malfunction
- P1549 Intake Manifold Communication Control Circuit (Bank 1)

- P1550 Power Steering Pressure Sensor Out Of Self Test Range
- P1565 Speed Control Command Switch Out Of Range High
- P1566 Speed Control Command Switch Out Of Range Low
- P1567 Speed Control Output Circuit
- P1568 Speed Control Unable To Hold Speed
- P1571 Brake Switch Malfunction
- P1572 Brake Pedal Switch Circuit
- P1573 Throttle Position Not Available
- P1574 Throttle Position Sensor Outputs Disagree
- P1575 Pedal Position Out Of Self Test Range
- P1576 Pedal Position Not Available
- P1577 Pedal Position Sensor Outputs Disagree
- P1578 ETC Power Less Than Demand
- P1579 ETC In Power Limiting Mode
- P1580 Electronic Throttle Monitor PCM Override
- P1581 Electronic Throttle Monitor Malfunction
- P1582 Electronic Throttle Monitor Data Available
- P1583 Electronic Throttle Monitor Cruise Disablement

- P1584 Throttle Control Detected ETB Malfunction
- P1585 Throttle Control Malfunction
- P1586 Electronic Throttle To PCM Communication Error
- P1587 Throttle Control Modulated Command Malfunction
- P1588 Throttle Control Detected Loss Of Return Spring
- P1589 Throttle Control Unable To Control To Desired Throttle Angle
- P1600 Loss of KAM Power; Open Circuit
- P1601 ECM/TCM Serial Communication Error
- P1602 Immobilizer/ECM Communication Error
- P1603 EEPROM Malfunction
- P1604 Code Word Unregistered
- P1605 Keep Alive Memory Test Failure
- P1606 ECM Control Relay O/P Circuit Malfunction
- P1607 MIL O/P Circuit Malfunction
- P1608 Internal ECM Malfunction
- P1609 Diagnostic Lamp Driver Fault
- P1610 SBDS Interactive Codes
- P1611 SBDS Interactive Codes

- P1612 SBDS Interactive Codes
- P1613 SBDS Interactive Codes
- P1614 SBDS Interactive Codes
- P1615 SBDS Interactive Codes
- P1616 SBDS Interactive Codes
- P1617 SBDS Interactive Codes
- P1618 SBDS Interactive Codes
- P1619 SBDS Interactive Codes
- P1620 SBDS Interactive Codes
- P1621 Control Module Long Term Memory Performance/ Immobilizer Code

Words Do Not

Match

- P1622 Immobilizer ID Does Not Match
- P1623 Immobilizer Code Word/ID Number Write Failure
- P1624 Anti Theft System
- P1625 Fan Driver Circuit Open to Power B+ (VLCM)
- P1626 A/C Circuit Open to Power B+ (VLCM)
- P1627 Module Supply Voltage Out Of Range

- P1628 Module Ignition Supply Input Malfunction
- P1629 Internal Voltage Regulator Malfunction
- P1630 Internal Vref Malfunction
- P1631 Theft Deterrent Start Enable Signal Not Correct/ Main Relay Malfunction (Power Hold)
- P1632 Smart Alternator Faults Sensor/Circuit Malfunction
- P1633 Keep Alive Power Voltage Too Low
- P1634 Data Output Link Circuit Failure
- P1635 Tire/Axle Out of Acceptable Range
- P1636 Inductive Signature Chip Communication Error
- P1637 Can Link ECM/ABSCM Circuit / Network Malfunction
- P1638 Can Link ECM/INSTM Circuit / Network Malfunction
- P1639 Vehicle ID Block Corrupted, Not Programmed
- P1640 Powertrain DTCs Available In Another Control Module (Ref. PID 0946)
- P1641 Fuel Pump Primary Circuit
- P1642 CAN Link Circuit
- P1643 CAN Link ECM/TCM Circuit/Network

- P1644 Fuel Pump Speed Control Circuit
- P1645 Fuel Pump Resistor Switch Circuit Malfunction
- P1650 Power Steering Pressure Switch Out Of Self Test Range
- P1651 Power Steering Pressure Switch Input
- P1652 IAC Monitor Disabled by PSP Switch Failed On
- P1653 Power Steering Output Circuit Malfunction
- P1654 Recirculation Override Circuit Malfunction
- P1655 Starter Disable Circuit Malfunction
- P1656 CAN Link PCM/PCM Circuit Network
- P1657 CAN Link Chip Malfunction
- P1660 Output Circuit Check Signal High
- P1661 Output Circuit Check Signal Low
- P1662 IDM_EN Circuit Failure
- P1663 Fuel Demand Command Signal Circuit Malfunction
- P1667 CI Circuit Malfunction
- P1668 PCM - IDM Communications Error
- P1670 Electronic Feedback Signal Not Detected
- P1680 Metering Oil Pump Malfunction

- P1681 Metering Oil Pump Malfunction
- P1682 Metering Oil Pump Malfunction
- P1683 Metering Oil Pump Temperature Sensor Circuit Malfunction
- P1684 Metering Oil Pump Position Sensor Circuit Malfunction
- P1685 Metering Oil Pump Stepping Motor Circuit Malfunction
- P1686 Metering Oil Pump Stepping Motor Circuit Malfunction
- P1687 Metering Oil Pump Stepping Motor Circuit Malfunction
- P1688 Metering Oil Pump Stepping Motor Circuit Malfunction
- P1689 Oil Pressure Control Solenoid Circuit Malfunction
- P1690 Wastegate Solenoid Circuit Malfunction
- P1691 Turbo Pressure Control Solenoid Circuit Malfunction
- P1692 Turbo Control Solenoid Circuit Malfunction
- P1693 Turbo Charge Control Circuit Malfunction
- P1694 Turbo Charge Relief Circuit Malfunction
- P1700 Transmission Indeterminate Failure (Failed to Neutral)
- P1701 Reverse Engagement Error
- P1702 Transmission Range Sensor Circuit Intermittent
- P1703 Brake Switch Out Of Self Test Range

- P1704 Transmission Range Circuit Not Indicating Park/Neutral During Self Test
- P1705 Transmission Range Circuit Not Indicating Park/Neutral During Self Test
- P1706 High Vehicle Speed Observed in Park
- P1707 Transfer Case Neutral Indicator Hard Fault Present
- P1708 Clutch Switch Circuit Malfunction
- P1709 Park Neutral Position Switch Out Of Self Test Range
- P1710
- P1711 Transmission Fluid Temperature Sensor Out Of Self Test Range
- P1712 Transmission Torque Reduction Request Signal
- P1713 Transmission Fluid Temperature Sensor In Range Failure (<50 deg F)
- P1714 Shift Solenoid A Inductive Signature
- P1715 Shift Solenoid B Inductive Signature
- P1716 Shift Solenoid C Inductive Signature
- P1717 Shift Solenoid D Inductive Signature
- P1718 Transmission Fluid Temperature Sensor In Range Failure (>250 deg F)
- P1719

- P1720 Vehicle Speed (Meter) Circuit Malfunction
- P1721 Gear 1 Incorrect Ratio
- P1722 Gear 2 Incorrect Ratio
- P1723 Gear 3 incorrect Ratio
- P1724 Gear 4 Incorrect Ratio
- P1725 Insufficient Engine Speed Increase During Self Test
- P1726 Insufficient Engine Speed Decrease During Self Test
- P1727 Coast Clutch Solenoid Inductive Signature
- P1728 Transmission Slip
- P1729 4x4L Switch
- P1730 Gear Control Malfunction 2,3,5
- P1731 1-2 Shift Malfunction
- P1732 2-3 Shift Malfunction
- P1733 3-4 Shift Malfunction
- P1734 Gear Control Malfunction
- P1735 First Gear Switch Circuit Malfunction
- P1736 Second Gear Switch Circuit Malfunction
- P1737 Lockup Solenoid System

- P1738 Shift Time Error
- P1739 Slip Solenoid System
- P1740 Torque Converter Clutch Solenoid Inductive Signature
- P1741 Torque Converter Clutch Solenoid Control Error
- P1742 Torque Converter Clutch Solenoid Circuit Failed On
- P1743 Torque Converter Clutch Solenoid Circuit Failed On
- P1744 Torque Converter Clutch Solenoid Circuit Performance
- P1745 Line Pressure Solenoid System
- P1746 Pressure Control Solenoid A Open Circuit
- P1747 Pressure Control Solenoid A Short Circuit
- P1748 EPC Malfunction
- P1749 Pressure Control Solenoid A Failed Low
- P1751 Shift Solenoid A Performance
- P1754 Coast Clutch Solenoid Circuit
- P1755 Intermediate Speed Sensor (ISS) Malfunction
- P1756 Shift Solenoid B Performance
- P1760 Pressure Control Solenoid A Short Circuit Intermittent
- P1761 Shift Solenoid C Performance

- P1762 Overdrive Band Failed Off
- P1765 Timing Solenoid Circuit Malfunction
- P1766 Shift Solenoid D Performance
- P1767 Torque Converter Clutch Circuit
- P1768 Performance/Normal/Winter Mode Input
- P1769 AG4 Transmission Torque Modulation Fault
- P1770 Clutch Solenoid Circuit
- P1775 Transmission System MIL Fault
- P1776 Ignition Retard Request Duration Fault
- P1777 Ignition Retard Request Circuit Fault
- P1778 Transmission Reverse I/P Circuit Malfunction
- P1779 TCIL Circuit Malfunction
- P1780 Transmission Control Switch (O/D Cancel) Circuit Out Of Self Test Range
- P1781 4X4L Circuit Out Of Self Test Range
- P1782 Performance/Economy Switch Circuit Out Of Self Test Range
- P1783 Transmission Overtemperature Condition
- P1784 Transmission Mechanical Failure - First and Reverse

- P1785 Transmission Mechanical Failure - First and Second
- P1786 3-2 Downshift Error
- P1787 2-1 Downshift Error
- P1788 Pressure Control Solenoid B Open Circuit
- P1789 Pressure Control Solenoid B Short Circuit
- P1790 TP (Mechanical) Circuit Malfunction
- P1791 TP (Electric) Circuit Malfunction
- P1792 Barometer Pressure Circuit Malfunction
- P1793 Intake Air Volume Circuit Malfunction
- P1794 Battery Voltage Circuit Malfunction
- P1795 Idle Switch Circuit Malfunction
- P1796 Kick Down Switch Circuit Malfunction
- P1797 Neutral Switch Circuit Malfunction
- P1798 Coolant Temperature Circuit Malfunction
- P1799 Hold Switch Circuit Malfunction
- P1800 Transmission Clutch Interlock Safety Switch Circuit Failure
- P1801 Transmission Clutch Interlock Safety Switch Open Circuit
- P1802 Transmission Clutch Interlock Safety Switch Short Circuit To Battery

- P1803 Transmission Clutch Interlock Safety Switch Short Circuit To Ground
- P1804 4-Wheel Drive High Indicator Circuit Open or Shorted To Ground
- P1805 Transmission 4-Wheel Drive High Indicator Open Circuit
- P1806 4-Wheel Drive High Indicator Short To Battery
- P1807 Transmission 4-Wheel Drive High Indicator Short Circuit To Ground
- P1808 4-Wheel Drive Low Indicator Circuit Open or Short To Ground
- P1809 Transmission 4-Wheel Drive Low Indicator Open Circuit
- P1810 4-Wheel Drive Low Indicator Short To Battery
- P1811 Transmission 4-Wheel Drive Low Indicator Short Circuit To Ground
- P1812 4-Wheel Drive Mode Select Switch Circuit Open
- P1813 Transmission 4-Wheel Drive Mode Select Open Circuit
- P1814 Transmission 4-Wheel Drive Mode Select Short Circuit To Battery
- P1815 4-Wheel Drive Mode Select Switch Circuit Short To Ground
- P1816 Transmission Neutral Safety Switch Circuit Failure
- P1817 Transmission Neutral Safety Switch Open Circuit
- P1818 Transmission Neutral Safety Switch Short Circuit To Battery
- P1819 Neutral Safety Switch Input Short To Ground
- P1820 Transfer Case LO To HI Shift Relay Circuit Open Or Short To Ground

- P1821 Transmission Transfer Case Clockwise Shift Relay Coil Open Circuit
- P1822 Transfer Case LO To HI Shift Relay Coil Short To Battery
- P1823 Transmission Transfer Case Clockwise Shift Relay Coil Short Circuit
To Ground
- P1824 4-Wheel Drive Electric Clutch Relay Open Or Short To Ground
- P1825 Transmission 4-Wheel Drive Clutch Relay Open Circuit
- P1826 4-Wheel Drive Electric Clutch Relay Short To Battery
- P1827 Transmission 4-Wheel Drive Low Clutch Relay Circuit To Ground
- P1828 Transfer Case HI To LO Shift Relay Coil Circuit Open Or Short To
Ground
- P1829 Transmission Transfer Case Counter Clockwise Shift Relay Coil Open
Circuit
- P1830 Transfer Case HI To LO Shift Relay Coil Circuit Short To Battery
- P1831 Transmission Transfer Case Counter Clockwise Shift Relay Coil Short
Circuit To
Ground
- P1832 Transfer Case 4-Wheel Drive Solenoid Circuit Open or Short To
Ground

- P1833 Transmission Transfer Case Differential Lock-Up Solenoid Open
Circuit
- P1834 Transfer Case 4-Wheel Drive Solenoid Circuit Short To Battery
- P1835 Transmission Transfer Case Differential Lock-Up Solenoid Short
Circuit To Ground
- P1836 Transmission Transfer Case Front Shaft Speed Sensor Circuit Failure
- P1837 Transmission Transfer Case Rear Shaft Speed Sensor Circuit Failure
- P1838 No Shift Motor Movement Detected
- P1839 Transmission Transfer Case Shift Motor Open Circuit
- P1840 Transmission Transfer Case Shift Motor Short Circuit To Battery
- P1841 Transmission Transfer Case Shift Motor Short Circuit To Ground
- P1842 Transmission Transfer Case Differential Lock-Up Feedback Switch
Circuit Failure
- P1843 Transmission Transfer Case Differential Lock-Up Feedback Switch
Open Circuit
- P1844 Transmission Transfer Case Differential Lock-Up Feedback Switch
Short Circuit To
Battery

- P1845 Transmission Transfer Case Differential Lock-Up Feedback Switch
Short Circuit To
Ground
- P1846 Transfer Case Contact Plate 'A' Circuit Open
- P1847 Transmission Transfer Case Contact Plate 'A' Open Circuit
- P1848 Transmission Transfer Case Contact Plate 'A' Short Circuit To Battery
- P1849 Transmission Transfer Case Contact Plate 'A' Short Circuit To Ground
- P1850 Transmission Transfer Case Contact Plate 'B' Circuit Failure
- P1851 Transmission Transfer Case Contact Plate 'B' Open Circuit
- P1852 Transmission Transfer Case Contact Plate 'B' Short Circuit To Battery
- P1853 Transmission Transfer Case Contact Plate 'B' Short Circuit To Ground
- P1854 Transmission Transfer Case Contact Plate 'C' Circuit Failure
- P1855 Transmission Transfer Case Contact Plate 'C' Open Circuit
- P1856 Transmission Transfer Case Contact Plate 'C' Short Circuit To Battery
- P1857 Transmission Transfer Case Contact Plate 'C' Short Circuit To Ground
- P1858 Transmission Transfer Case Contact Plate 'D' Circuit Failure
- P1859 Transmission Transfer Case Contact Plate 'D' Open Circuit

P1860 TCC PWM Solenoid Circuit Electrical/ Transmission Transfer Case

Contact Plate 'D'

Short Circuit To Battery

P1861 Transmission Transfer Case Contact Plate 'D' Short Circuit To Ground

P1862 Transmission Transfer Case Contact Plate Power Circuit Failure

P1863 Transmission Transfer Case Contact Plate Power Open Circuit

P1864 Transmission Transfer Case Contact Plate Power Short To Battery

P1865 Transmission Transfer Case Contact Plate Power Short To Ground

P1866 Transmission Transfer Case System Concern - Servicing Required

P1867 Transmission Transfer Case Contact Plate General Circuit Failure

P1868 Transmission Automatic 4-Wheel Drive Indicator (Lamp) Circuit

Failure

P1869 Transmission Automatic 4-Wheel Drive Indicator (Lamp) Circuit Short

To Battery

P1870 Transmission Component Slipping/ Transmission Mechanical Transfer

Case 4x4 Switch

Circuit Failure

- P1871 Transmission Mechanical Transfer Case 4x4 Switch Circuit Short To Battery
- P1872 Transmission Mechanical 4-Wheel Drive Axle Lock Lamp Circuit Failure
- P1873 Transmission Mechanical 4-Wheel Drive Axle Lock Lamp Circuit Short To Battery
- P1874 Transmission Automatic Hall Effect Sensor Power Circuit Failure
- P1875 Transmission Automatic Hall Effect Sensor Power Circuit Short To Battery / 4WD Low Switch Circuit Electrical
- P1876 Transmission Transfer Case 2-Wheel Drive Solenoid Circuit Failure
- P1877 Transmission Transfer Case 2-Wheel Drive Solenoid Circuit Short To Battery
- P1878 Transmission Transfer Case Disengaged Solenoid Circuit Failure
- P1879 Transmission Transfer Case Disengaged Solenoid Open Circuit
- P1880 Transmission Transfer Case Disengaged Solenoid Short to Battery
- P1881 Engine Coolant Level Switch Circuit Failure, GEM
- P1882 Engine Coolant Level Switch Circuit Short to Ground

- P1883 Engine Coolant Level Switch Circuit Failure, GEM
- P1884 Engine Coolant Level Lamp Circuit Short to Ground
- P1885 Transmission Transfer Case Disengaged Solenoid Short to Ground
- P1886 4X4 Initialization Failure
- P1890 Transmission 4WD Mode Select Return Input Circuit Failure
- P1891 Transmission Transfer Case Contact Plate Ground Return Open Circuit
- P1900 Output Shaft Speed Sensor Circuit Intermittent
- P1901 Turbine Shaft Speed Sensor Circuit Intermittent
- P1902 Pressure Control Solenoid B Intermittent Short
- P1903 Pressure Control Solenoid C Short Circuit
- P1904 Pressure Control Solenoid C Open Circuit
- P1905 Pressure Control Solenoid C Intermittent Short
- P1906 Kickdown Pull Relay Open or Short Circuit to Ground
- P1907 Kickdown Hold Relay Open or Short Circuit to Ground
- P1908 Transmission Pressure Circuit Solenoid Open or Short to Ground
- P1909 Trans Temp Sensor Circuit Open or Shorted to Pwr or Gnd
- P1910 VFS A Pressure Output Failed Low
- P1911 VFS B Pressure Output Failed Low

- P1912 VFS C Pressure Output Failed Low
- P1913 Pressure Switch A Circuit Malfunction
- P1914 Manually Shifted Automatic (MSA) Sw Circuit Malf
- P1915 Reverse Switch Circuit Malfunction
- P1916 High Clutch Drum Speed Sensor Malfunction
- P1917 High Clutch Drum Speed Sensor Intermittent
- P1918 Transmission Range Display Circuit Malfunction

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GM OBDII DTC

- P1031 H02 Sensor Heater Control Circuit Problem
- P1032 HO2S Heater Warm Up Control Circuit Banks 1 and 2 Sensor 1
- P1079 Flexible Fuel Sensor Circuit High Input
- P1105 Secondary Vacuum Sensor Circuit
- P1106 MAP Sensor Circuit Intermittent High or Low Voltage
- P1107 MAP Sensor Circuit Intermittent Voltage Low
- P1108 BARO to MAP Signal Circuit Comparison Too High
- P1109 Secondary Port Throttle System
- P1111 IAT Sensor Circuit Intermittent Voltage High
- P1112 IAT Sensor Circuit Intermittent Voltage Low (except Catera)/Intake
Plenum Switchover
- Valve Control (Catera)
- P1113 Intake Resonance Switchover Valve Control
- P1114 ECT Sensor Circuit Intermittent Voltage Low
- P1115 ECT Sensor Circuit Intermittent Voltage High
- P1116 ECT Signal Unstable or Intermittent
- P1117 Engine Coolant Temp. Signal Out-Of-Range Low

- P1118 Engine Coolant Temp. Signal Out-Of-Range High
- P1119 ECT Signal Out-Of-Range With TFT Sensor
- P1120 Throttle Positioning Sensor 1 Circuit
- P1121 Throttle Positioning Sensor 1,2 Circuit Performance/ Fuel Injector
Secondary System
Circuit Low
- P1122 TPS Circuit Intermittent Voltage Low
- P1125 APP System
- P1130 HO2S Circuit Low Variance Bank 1 Sensor 1
- P1131 HO2S Circuit Low Variance Bank 1 Sensor 2
- P1132 HO2S Circuit Low Variance Bank 2 Sensor 1
- P1133 HO2S/O2S Insufficient Switching Sensor 1 Or Bank 1 Sensor 1
- P1134 HO2S Transition Time Ratio Bank 1 Sensor 1
- P1135 HO2S Lean Mean Bank 1 Sensor 1
- P1136 HO2S Rich Mean Bank 1 Sensor 1
- P1137 HO2 Sensor Low Voltage During Power Enrichment
- P1138 HO2 Sensor High Voltage During Decel Fuel Cutoff
- P1139 HO2S Insufficient Switching Bank 1 Sensor 2

- P1140 HO2S Transition Time Ratio Bank 1 Sensor 2
- P1141 HO2 Sensor Heater Control Circuit (Bank 1 Sensor 2)
- P1143 HO2S Bank 1 Sensor 3 Lean System or Low Voltage
- P1144 HO2S Bank 1 Sensor 3 Rich or High Voltage
- P1145 HO2S Cross Counts Bank 1 Sensor 3
- P1153 HO2S Insufficient Switching Bank 2 Sensor 1
- P1154 HO2S Transition Time Ratio Bank 2 Sensor 1
- P1155 HO2S Lean Mean Bank 2 Sensor 1
- P1156 HO2S Rich Mean Bank 2 Sensor 1
- P1157 HO2S Bank 2 Sensor 2 Lean System or Low Voltage
- P1158 HO2 Sensor Shift Rich (Bank 2 Sensor 2)/ Engine Metal Over-Temperature Protection
- P1159 HO2S Cross Counts Bank 2 Sensor 2
- P1161 HO2 Sensor Heater Control Circuit (Bank 2 Sensor 2)
- P1163 HO2S Bank 2 Sensor 3 Lean System or Low Voltage
- P1164 HO2S Bank 2 Sensor 3 Rich or High Voltage
- P1165 HO2S Cross Counts Bank 2 Sensor 3
- P1170 Bank to Bank Fuel TrimOffset

- P1171 Fuel System Lean During Acceleration
- P1185 Engine Oil Temperature Circuit
- P1186 EOT Circuit Performance
- P1187 Engine Oil Temperature Sensor Circuit Voltage Low (except 1997 Corvette)/Engine Oil Pressure Sensor Circuit Voltage Low (1997 Corvette)
- P1188 Engine Oil Temperature Sensor Circuit Voltage High (except 1997 Corvette)/Engine Oil Pressure Sensor Circuit Voltage High (1997 Corvette)
- P1189 Engine Oil Pressure Switch Circuit
- P1191 Intake Air Duct Air Leak
- P1200 Injector Control Circuit
- P1201 (Alt. Fuel) Gas Mass Sensor Circuit Range/Performance
- P1202 (Alt. Fuel) Gas Mass Sensor Circuit Low Frequency
- P1203 (Alt. Fuel) Gas Mass Sensor Circuit High Frequency
- P1211 Mass Air Flow Circuit Intermittent High
- P1212 Mass Air Flow Circuit Intermittent Low
- P1214 Injection Pump Timing Offset

- P1215 Generator Driver Circuit
- P1216 Fuel Solenoid Response Time Too Short
- P1217 Fuel Solenoid Response Time Too Long
- P1218 Injection Pump Calibration Circuit
- P1220 Throttle Position (TP) Sensor 2 Circuit Fault
- P1221 TP Sensor 1, 2 Performance
- P1222 Injector Control Circuit Intermittent
- P1225 Injector Circuit Cylinder 2 Intermittent
- P1228 Injector Circuit Cylinder 3 Intermittent
- P1231 Injector Circuit Cylinder 4 Intermittent
- P1234 Injector Circuit Cylinder 5 Intermittent
- P1237 Injector Circuit Cylinder 6 Intermittent
- P1240 Injector Circuit Cylinder 7 Intermittent
- P1243 Injector Circuit Cylinder 8 Intermittent
- P1245 Intake Plenum Switchover Valve
- P1250 Early Fuel Evaporative (EFE) Heater Circuit
- P1257 Boost Control Condition/Supercharge System Overboost
- P1258 Engine Coolant Overtemperature - Protection Mode Active

- P1260 Fuel Pump Speed Relay Control Circuit
- P1271 Accelerator Pedal Position Sensor 1-2 Correlation
- P1272 Accelerator Pedal Position Sensor 2-3 Correlation
- P1273 Accelerator Pedal Position Sensor 1-3 Correlation
- P1274 Injectors Wired Incorrectly
- P1275 Boost Control Condition (except 1997-98 Corvette)/Accelerator Pedal Positioning (APP)
- Sensor 1 Circuit (1997-98 Corvette)
- P1276 Accelerator Pedal Positioning (APP) Sensor 1 Circuit Performance
- P1277 Accelerator Pedal Position Sensor 1 Circuit Low Voltage
- P1278 Accelerator Pedal Position Sensor 1 Circuit High Voltage
- P1280 Accelerator Pedal Positioning (APP) Sensor 2 Circuit
- P1281 Accelerator Pedal Positioning (APP) Sensor 2 Circuit Performance
- P1282 Accelerator Pedal Position Sensor 2 Circuit Low Voltage
- P1283 Accelerator Pedal Position Sensor 2 Circuit High Voltage
- P1285 Accelerator Pedal Positioning (APP) Sensor 2 Circuit
- P1286 Accelerator Pedal Positioning (APP) Sensor 2 Circuit Performance
- P1287 Accelerator Pedal Position Sensor 3 Circuit Low Voltage

- P1288 Accelerator Pedal Position Sensor 3 Circuit High Voltage
- P1300 Ignition Coil 1 Primary Feedback Circuit
- P1305 Ignition Coil 2 Primary Feedback Circuit
- P1310 Ignition Coil 3 Primary Feedback Circuit
- P1315 Ignition Coil 4 Primary Feedback Circuit
- P1320 ICM 4X Reference Circuit Too Many Pulses (except 1996-98 4.0L)/ICM 4X Reference
Circuit Intermittent No Pulses (1996-98 4.0L)
- P1321 Electronic Ignition System Fault Line
- P1322 EI System or Ignition Control Extra or Missing
- P1323 ICM 24X Reference Circuit Low Frequency
- P1324 Crank RPM Too Low
- P1335 Crankshaft Positioning Sensing Circuit
- P1336 CKP System Variation Not Learned
- P1345 Camshaft To Crankshaft Position Correlation Fault
- P1346 CKP Sensor System Variation Not Learned/ Intake Camshaft Position
Performance
- P1349 Intake Camshaft Position System

P1350 Ignition Control System

P1351 Ignition Control Circuit Voltage High (except 1998 3.1L)/Ignition Control Circuit Open

(1998 3.1L)

P1352 Bypass Circuit Open Or Voltage High/IC Output High/Pulse Detected when GND_Cyl.

2

P1353 IC Output High/Pulse Detected when GND_Cyl. 3

P1354 IC Output High/Pulse Detected when GND_Cyl. 4

P1355 IC Output High/Pulse Detected when GND_Cyl. 5

P1356 IC Output High/Pulse Detected when GND_Cyl. 6

P1357 IC Output High/Pulse Detected when GND_Cyl. 7

P1358 IC Output High/Pulse Detected when GND_Cyl. 8

P1359 Ignition Coil Group 1 Control Circuit

P1360 Ignition Coil group 2 Control Circuit

P1361 IC Circuit Not Toggling/ Ignition Control Circuit Voltage Low (Distributor Ignition)

P1362 Bypass Circuit Shorted Or Voltage Low

- P1363 IC Cylinder 3 Not Toggling After Enable
- P1364 IC Cylinder 4 Not Toggling After Enable
- P1365 IC Cylinder 5 Not Toggling After Enable
- P1366 IC Cylinder 6 Not Toggling After Enable
- P1367 IC Cylinder 7 Not Toggling After Enable
- P1368 IC Cylinder 8 Not Toggling After Enable
- P1370 ICM 4X Reference Too Many Pulses
- P1371 ICM 4X Reference Too Few Pulses (except Caprice, Fleetwood, Impala SS & Roadmaster)/Distributor Ignition Low Resolution Circuit (Caprice,Fleetwood, Impala SS & Roadmaster)
- P1372 CKP Sensor A-B Correlation
- P1374 3X Reference Circuit
- P1375 ICM 24X Reference Voltage Too High
- P1376 Ignition Ground Circuit
- P1377 ICM Cam Pulse To 4X Reference Pulse Comparison
- P1380 ABS/EBCM/EB(T)CM DTC Detected/Rough Road Data Unusable

- P1381 Misfire Detected No EBCM/EB(T)CM/PCM Serial Data
- P1390 Wheel Speed Sensor 1 - G - Sensor Circuit
- P1391 Wheel Speed Sensor 1 - G - Sensor Circuit Performance
- P1392 Wheel Speed Sensor 1 - G - Sensor Circuit Low Voltage
- P1393 Wheel Speed Sensor 1 - G - Sensor Circuit High Voltage
- P1394 Wheel Speed Sensor 1 - G - Sensor Circuit Intermittent
- P1395 Wheel Speed Sensor 2 - G - Sensor Circuit
- P1396 Wheel Speed Sensor 2 - G - Sensor Circuit Performance
- P1397 Wheel Speed Sensor 2 - G - Sensor Circuit Low Voltage
- P1398 Wheel Speed Sensor 2 - G - Sensor Circuit High Voltage
- P1399 Wheel Speed Sensor 2 - G - Sensor Circuit Intermittent
- P1401 Exhaust Gas Recirculation (EGR) flow test fault
- P1403 EGR Error
- P1404 EGR Valve Closed Pintle Position/EGR Valve Stuck Open Or Circuit
Performance
- P1405 EGR Error
- P1406 EGR Valve Pintle Position Circuit
- P1407 EGR Air Intrusion in Exhaust Supply to EGR Valve

- P1408 MAP Sensor Circuit
- P1409 EGR Vacuum System Leak
- P1410 Fuel Tank Pressure System
- P1415 AIR System Bank 1
- P1416 AIR System Bank 2
- P1418 Secondary Air Injection System Relay A Control Circuit High
- P1420 Intake Air Low Pressure Switch Circuit Low Voltage
- P1421 Intake Air Low Pressure Switch Circuit High Voltage
- P1423 Intake Air High Pressure Switch Circuit High Voltage
- P1431 Fuel Level Sensor 2 Circuit Performance
- P1432 Fuel Level Sensor 2 Circuit Voltage Low
- P1433 Fuel Level Sensor 2 Circuit Voltage High
- P1441 EVAP System Flow During Non-Purge
- P1442 EVAP Vacuum Switch Circuit
- P1450 BARO Sensor Circuit
- P1451 BARO Sensor Circuit
- P1460 Cooling Fan Circuit (except Catera)/Misfire Detected With Low Fuel
(Catera)

- P1480 Cooling Fan 1 Control Circuit High
- P1483 Engine Cooling System Performance
- P1500 Starter Signal Circuit
- P1501 Theft Deterrent System
- P1502 Theft Deterrent System No Password Received
- P1503 Theft Deterrent System Password Improper
- P1504 Vehicle Speed Output Circuit
- P1508 Idle Air Control (IAC) System Low RPM
- P1509 IAC System High RPM
- P1510 Back-Up Power Supply
- P1511 Throttle Control System- Backup System Performance
- P1514 TAC System MAF Performance
- P1515 Command vs Actual Throttle Position Performance (PCM)
- P1516 Command vs Actual Throttle Position Performance (TAC Module)
- P1517 TAC Module Processor
- P1518 PCM To TAC Module Serial Data Circuit
- P1519 Throttle Actuator Control Module
- P1520 Park/Neutral Position Switch Circuit, Gear Indicator System

- P1521 Transmission Engaged at High Throttle Angle
- P1522 Park/Neutral to Drive/Reverse at High RPM
- P1523 Throttle Closed Position Performance
- P1524 TPS Learned Closed Throttle Angle Degrees Out Of Range
- P1525 Throttle Body Service Required
- P1526 TPS Learn Not Completed
- P1527 Trans Range/Pressure Switch Comparison
- P1528 Governor
- P1529 Heated Windshield Request Problem
- P1530 Ignition Timing Adjustment Switch Circuit/ A/C Refrigerant Pressure
Sensor Error
- P1531 Low Air Conditioning Refrigerant Charge
- P1532 A/C Evaporator Temperature Circuit Voltage Low
- P1533 A/C Low Side Temperature Sensor Circuit
- P1534 A/C High Side Temp. Sensor Low Voltage
- P1535 A/C/ High Side Temperature Sensor Circuit
- P1536 A/C System ECT Overtemperature
- P1537 A/C Request Circuit Voltage Low

- P1538 A/C Request Circuit Voltage High
- P1539 A/C High Pressure Switch Circuit Voltage High
- P1540 A/C System High Pressure
- P1541 A/C High Side Over Temperature
- P1542 A/C System High Pressure/High Temperature
- P1543 A/C System Performance
- P1544 A/C Refrigerant Condition Very Low
- P1545 A/C Clutch Relay Control Circuit
- P1546 A/C Clutch Relay Control Circuit Voltage Low (except 1996-98 Camaro/Firebird & 1997-98 Corvette)/ A/C Clutch Status Circuit Voltage Low (1996-98 Camaro/Firebird & 1997-98 Corvette)
- P1547 A/C System Performance Degraded
- P1548 A/C Recirculation Circuit
- P1550 Stepper Motor Speed Control
- P1554 Speed Control Status Circuit
- P1555 Electronic Variable Orifice Fault (Saturn)

- P1558 Speed Control (SPS Low)
- P1559 Cruise Control Power Management Mode
- P1560 Speed Control System/Transaxle Not In Drive
- P1561 Speed Control Vent Solenoid
- P1562 Speed Control Vacuum Solenoid
- P1563 Cruise Vehicle Speed/Set Speed Difference Too High
- P1564 Speed Control System/Vehicle Acceleration Too High (except
Catera)/ECM Battery
Voltage Loss (Catera)
- P1565 Speed Control Servo Position Sensor
- P1566 Speed Control System/Engine RPM Too High
- P1567 Speed Control Switches/ABCS Active
- P1568 Speed Control (SPS High)
- P1569 Cruise Servo Stroke High While not in Cruise
- P1570 Speed Control System/Traction Control Active
- P1571 TCS Desired Torque Circuit (except 4.0L, 4.6L & 1997-98 5.7L
Corvette)/Traction

Control System PWM Circuit No Frequency (4.0L & 4.6L)/ASR Desired Torque

(1997-98 5.7L

Corvette)

P1572 Traction Control System Active Circuit Voltage Low Too Long

P1573 PCM/EBTCM Serial Data Circuit/ Engine Hot Lamp Control Circuit

P1574 EBTCM System/Stop Lamp Circuit Voltage High (except 1997-98

Corvette)/Stop Lamp

Control Circuit (1997-98 Corvette)

P1575 Extended Travel Brake Switch Circuit Voltage High

P1576 Brake Booster Vacuum Sensor Circuit Voltage High

P1577 Brake Booster Vacuum Sensor Circuit Voltage Low

P1578 Brake Booster Vacuum Sensor Circuit Low Vacuum

P1579 Park/Neutral To Drive/Reverse At High Throttle Angle

P1580 Cruise Control Module Move Circuit, Low Voltage

P1581 Cruise Control Module Move Circuit, High Voltage

P1582 Cruise Control Module Direction Circuit, Low Voltage

P1583 Cruise Control Module Direction Circuit, High Voltage

P1584 Cruise Control Disabled

- P1585 Cruise Control Inhibit Output Circuit
- P1586 Cruise Control Brake Switch 2 Circuit
- P1587 Cruise Control Clutch Control Circuit Low
- P1588 Cruise Control Clutch Control Circuit High
- P1599 Engine Stall Or Near Stall Detected
- P1600 PCM Battery/Serial Communication Between PCM & TCM
- P1601 Loss of Serial Communication (Except Catera)/ ECM Overtemperature
- P1602 Loss Of EBC/EBTCM Serial Data (Except Catera)/KS Module Circuit
(Catera)
- P1603 Loss Of SDM Serial Data
- P1604 Loss of IPC Serial Data
- P1605 Loss of HVAC Serial Data
- P1606 Serial Communication Problem With Device 6
- P1607 Engine Oil Level Switch Circuit/Serial Communication Problem With
Device 7
- P1608 Serial Communication Problem With Device 8
- P1609 Loss Of TCS Serial Data

- P1610 Loss Of PZM Serial Data (1996-97 Except 1997 Cutlass & Malibu)/Failure With Body Function Controller (1997 Cutlass & Malibu)/Standard Body Module Series Data CKT (1998)
- P1611 Loss Of CVRTD Serial Data
- P1612 Loss of IPM Serial Data
- P1613 Loss of DIM Serial Data
- P1614 Loss of RIM Serial Data
- P1615 Loss of VTD Serial Data
- P1617 Engine Oil Level Switch Circuit
- P1619 Engine Oil Lite Monitor Reset Circuit
- P1620 Low Engine Coolant Level (Saturn)
- P1621 PCM Memory Performance (Except 1998 5.7L)/VCM EEPROM Performance (1998 5.7L)
- P1622 Cylinder Select
- P1623 PCM Prom Error/ Transaxle Temperature Pull-Up Resistor Fault (Saturn Z body)

- P1624 Customer Snapshot Data Available (Saturn)
- P1625 TCM Flash Checksum Fault (Saturn)
- P1626 Theft Deterrent System Fuel Enable Circuit
- P1627 A/D Performance
- P1628 PCM Engine Control Temp Pull-Up Resistor
- P1629 Theft Deterrent System Fuel Enable Circuit Improper Signal Detected
During Engine
Cranking (Except 1997-98 2.2L, 2.4L, 3.1L & 3.8L)/Theft Deterrent Crank
Signal Malfunction
(1997-98 2.2L, 2.4L, 3.1L & 3.8L)
- P1630 Theft Deterrent System/PCM/VCM in Learn Mode
- P1631 Theft Deterrent System Password Improper
- P1632 Theft Deterrent System Fuel Disabled
- P1633 Ignition Supplemental Power Circuit Voltage Low
- P1634 Ignition 1 Power Circuit Voltage Low
- P1635 5 Volt Reference (A Or 1) Circuit
- P1636 PCM Stack Overrun
- P1637 Alternator L Terminal Circuit

P1638 Alternator F Terminal Circuit

P1639 5 Volt Reference (B Or 2) Circuit

P1640 Driver 1 Input Voltage High

P1641 MIL Control Circuit (Except 5.7L VINs P & 5 & 1998 3.1L &

3.8L)/Fan Control Relay

1 Control Circuit (5.7L VINs P & 5)/ A/C Relay Control Circuit (1998 3.1L &

3.8L)

P1642 Vehicle Speed Output Circuit (Except 3.4L, 5.7L VINs P & 5 & 1998

3.8L)/Fan Control

Relay 2 & 3 Control Circuit (5.7L VINs P & 5)/AIR Control Circuit

(3.4L)/Change Oil Lamp

Control Circuit (1998 3.1L Lumina & Monte Carlo)

P1643 Fuel Pump PWM Control Circuit (Except 5.7L VINs P & 5)/Engine

RPM Output

Circuit (5.7L VINs P & 5)

P1644 Delivered Torque Output Circuit

P1645 Boost Control Solenoid Circuit (Except 4.0L & 4.6L)/EVAP Solenoid

Output Circuit

(4.0L & 4.6L)

P1646 Boost Control Solenoid Control Circuit (Except 4.0L & 4.6L)/EVAP

Vent Valve Output

Circuit (4.0L & 4.6L)

P1650 Driver 2 Input Voltage High

P1651 Fan On Relay Control Circuit/Output Driver Module (Quad Driver) 'B'

Quickset Fault

(Saturn)/Fan 1 Relay Control Circuit

P1652 Fan 2 Relay Control Circuit (Except Cadillac & Corvette)/VSS Output

Circuit (1996

Corvette)/Powertrain Induced Chassis Pitch Output Circuit (1997- 98

Corvette)/Lift/Drive Output

Circuit (Cadillac)

P1653 TCS Delivered Torque Control Circuit (Except Caprice, Roadmaster &

1998 3.8L)/Oil

Level Lamp Control Circuit (Caprice, Fleetwood & Roadmaster)/Fuel Level

Output Control

Circuit (1998 3.8L)

- P1654 A/C Relay Control Circuit (Except 4.0L & 4.6L)/Cruise Disable Output
Circuit (4.0L &
4.6L)
- P1655 EVAP Purge Solenoid Control Circuit
- P1656 Wastegate Solenoid Control Circuit
- P1657 Skip Shift 1-4 Upshift
- P1658 Starter Enable Relay Control Circuit
- P1660 Cooling Fan Control Circuits
- P1661 MIL Control Circuit
- P1662 Speed Control Inhibit Control Circuit
- P1663 Alternator Lamp Control Circuit (Except Caprice, Fleetwood &
Roadmaster)/Change
Oil Lamp Control Circuit (Caprice, Fleetwood & Roadmaster)
- P1664 Skip Shift 1-4 Upshift Lamp Control Circuit
- P1665 DBCM/DBTCM Serial Data Circuit (1996-97)/EVAP Vent Valve
Solenoid Control
Circuit (1998)
- P1666 Driver 3 Line 6

P1667 Reverse Inhibitor Solenoid Control Circuit (1996-97)/Fuel Pump Speed Control Circuit

(1998)

P1669 ABS Unit Expected

P1670 QDM 4 Circuit

P1671 MIL Control Circuit/Oil Change Lamp Control Circuit

P1672 Low Engine Oil Level Lamp Circuit

P1673 Engine Hot Lamp Control Circuit

P1674 Tachometer Control Circuit

P1675 EVAP Vent Solenoid Control Circuit

P1676 EVAP Canister Purge Solenoid Control CKT

P1680 Driver 5

P1681 Driver 5 Line 1

P1682 Driver 5 Line 2

P1683 Driver 5 Line 3

P1684 Driver 5 Line 4

P1685 Driver 5 Line 5

P1686 Driver 5 Line 6

- P1687 Driver 5 Line 7
- P1689 TCS Delivered Torque Control Circuit
- P1690 ECM Loop Overrun
- P1691 Coolant Gage Circuit Low Voltage
- P1692 Coolant Gage Circuit High Voltage
- P1693 Tachometer Circuit Low Voltage
- P1694 Tachometer Circuit High Voltage
- P1695 Remote Keyless Entry Circuit Low
- P1696 Remote Keyless Entry Voltage High
- P1700 MIL Requested By TCM
- P1701 MIL Request Circuit
- P1705 P/N Signal Output Circuit
- P1740 Torque Management Request Circuits, Transmission & Traction Control (Except Catera)/Torque Control/Management Request Circuits (Catera)
- P1743 TP Signal from ECM
- P1760 Transmission Control Module Supply Voltage Interrupted
- P1779 Engine Torque Delivered to TCM Signal

- P1780 Park Neutral Position Switch Circuit
- P1781 Engine Torque Signal Circuit
- P1790 Transmission Control Module Checksum
- P1791 Transmission Control Module Loop
- P1792 ECM To Transmission Control Module Engine Coolant Signal
- P1793 Transmission Control Module Stack Overrun
- P1795 CAN Bus - Throttle Body Position
- P1800 ECM To Transmission Control Module Engine Coolant Signal
- P1801 Performance Selector Switch Failure
- P1804 Ground Control Relay
- P1810 ATF Pressure Manual Valve Position Switch Malfunction
- P1811 Long Shift & Max Adapt
- P1812 TOT Condition
- P1813 Torque Control
- P1814 Torque Converter Overstress
- P1815 Transmission Range Switch - Start In Wrong Range
- P1816 TFP Valve Position Sw. - Park/Neu. With Drive Ratio
- P1817 TFP Valve Position Sw. - Reverse With Drive Ratio

- P1818 TFP Valve Position Sw. - Drive Without Drive Ratio
- P1819 Internal Mode Switch - No Start
- P1820 Internal Mode Switch Circuit 'A' Low
- P1822 Internal Mode Switch Circuit 'B' Low
- P1823 Internal Mode Switch Circuit 'P' Low
- P1825 Internal Mode Switch - Invalid Range
- P1826 Internal Mode Switch - Invalid Range
- P1831 PC Solenoid Power Circuit - Low Voltage
- P1833 A/T Solenoids Power Circuit - Low Voltage
- P1835 Kickdown Switch Circuit
- P1836 Kick-Down Switch Failed Open
- P1837 Kick-Down Switch Failed Short
- P1842 1-2 Shift Solenoid Circuit Low Input
- P1843 1-2 Shift Solenoid Circuit High Input
- P1844 Torque Reduction Signal Circuit Desired By TCM
- P1845 2-3 Shift Solenoid Circuit Low Input
- P1847 2-3 Shift Solenoid Circuit High Input
- P1850 Brake Band Apply Solenoid

- P1851 Brake Band Apply Solenoid Performance
- P1852 Brake Band Apply Solenoid Low Voltage
- P1853 Brake Band Apply Solenoid High Voltage
- P1860 TCC PWM Solenoid Circuit
- P1864 TCC Enable Solenoid Circuit
- P1868 Transmission Fluid Life
- P1870 Trans Component Slipping
- P1871 Undefined Gear Ratio
- P1873 TCC Stator Temp. Switch Circuit Low
- P1874 TCC Stator Temp. Switch Circuit High
- P1875 4WD Low Switch Circuit Electrical
- P1884 TCC Enable/Shift Light Circuit
- P1886 Transaxle Shift, Timing Solenoid Performance
- P1887 TCC Release Switch Malfunction
- P1890 Throttle Position Signal Input
- P1891 Throttle Position Sensor PWM Signal Low
- P1892 Throttle Position Sensor PWM Signal High
- P1893 Engine Torque Signal Low Voltage

P1894 Engine Torque Signal High Voltage

P1895 Engine Torque Delivered Circuit

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HONDA OBDII DTC

- P1106 BARO Circuit Range/Performance
- P1107 BARO Circuit Low Input
- P1108 BARO Circuit High Input
- P1121 Throttle Position Lower Than Expected
- P1122 Throttle Position Higher Than Expected
- P1128 MAP Lower Than Expected
- P1129 MAP Higher Than Expected
- P1149 Primary HO2S (Sensor 1) Circuit Range/Performance Problem
- P1162 Primary HO2S (No. 1) Circuit Malfunction
- P1163 Primary HO2S (No. 1) Circuit Slow Response
- P1164 Primary HO2S (No. 1) Circuit Range/Performance
- P1165 Primary HO2S (No. 1) Circuit Range/Performance
- P1166 Primary HO2S (No. 1) Heater System Electrical
- P1167 Primary HO2S (No. 1) Heater System
- P1168 Primary HO2S (No. 1) LABEL Low Input
- P1169 Primary HO2S (No. 1) LABEL High Input
- P1253 VTEC System Malfunction

- P1257 VTEC System Malfunction
- P1258 VTEC System Malfunction
- P1259 VTEC System Malfunction
- P1297 Electrical Load Detector Circuit Low Input
- P1298 Electrical Load Detector Circuit High Input
- P1300 Multiple Cylinder Misfire Detected
- P1336 CSF Sensor Intermittent Interruption
- P1337 CSF Sensor No Signal
- P1359 CKP/TDC Sensor Connector Disconnection
- P1361 TDC Sensor Intermittent Interruption
- P1362 TDC Sensor No Signal
- P1366 TDC Sensor No. 2 Intermittent Interruption
- P1367 TDC Sensor No. 2 Signal
- P1381 Cylinder Position Sensor Intermittent Interruption
- P1382 Cylinder Position Sensor No Signal
- P1456 EVAP Emission Control System Leak Detected (Fuel Tank System)
- P1457 EVAP Emission Control System Leak Detected (Control Canister System)

- P1459 EVAP Emission Purge Flow Switch Malfunction
- P1491 EGR valve Lift Insufficient Detected
- P1498 EGR Valve Lift Sensor High Voltage
- P1508 IAC Valve Circuit Failure
- P1509 IAC Valve Circuit Failure
- P1519 Idle Air Control Valve Circuit Failure
- P1607 EGM/PGM Internal Circuit Failure A
- P1655 SEA/SEFA/TMA/TMB Signal Line Failure
- P1660 A/T FI Signal A Circuit Failure
- P1681 A/T FI Signal A Low Input
- P1682 A/T FI Signal A High Input
- P1686 A/T FI Signal B Low Input
- P1687 A/T FI Signal B Low Input

HYUNDAI OBDII DTC

- P1100 Manifold Absolute Pressure Sensor Range/Performance
- P1102 Manifold Absolute Pressure Sensor Circuit Low Input
- P1103 Manifold Absolute Pressure Sensor Circuit High Input
- P1123 Long Term Fuel Trim Adaptive Too Lean
- P1124 Long Term Fuel Trim Adaptive Too Rich
- P1127 Long Term Fuel Trim Multiplier Too Rich
- P1128 Long Term Fuel Trim Multiplier Too Lean
- P1134 HO2S Bank 1 Sensor 1 Transition Time Switch (Bank 1 Sensor 1)
- P1154 HO2S Bank 2 Sensor 1 Transition Time Switch (Bank 2 Sensor 1)
- P1166 HO2S Bank 1 Sensor 1 Controller Adaptive Diagnosis Fault (Bank 1)
- P1167 HO2S Bank 1 Sensor 1 Controller Adaptive Diagnosis Fault (Bank 2)
- P1168 HO2S Bank 1 Sensor 1 Heater Power Incorrect (Bank 1 Sensor 2)
- P1169 HO2S Bank 1 Sensor 1 Heater Power incorrect (Bank 2 Sensor 2)
- P1372 Segment Time Incorrect
- P1400 Manifold Differential Pressure Sensor Circuit
- P1440 EVAP System Vent Solenoid Circuit
- P1443 EVAP System Fault (Fuel Tank Cap Missing)

- P1510 Idle Control Valve Opening Circuit Shorted (Coil 1)
- P1511 Idle Control Valve Command Signal Shorted (Coil 2)
- P1513 Idle Air Control Valve Opening Coil Circuit Open (Coil 1)
- P1521 Power Steering Switch Input Circuit
- P1529 Customer Snapshot Request VIA CAN
- P1552 Idle Air Control Valve Closing Coil Circuit Shorted
- P1553 Idle Air Control Valve Closing Coil Circuit Open
- P1586 Encoding Signal Circuit Not Rationale
- P1602 Serial Communication Fault with Transmission Control Unit
- P1605 Rough Road Sensor Circuit
- P1606 Rough Road Sensor Circuit Not Valid
- P1611 MIL Request Signal Circuit Low Input
- P1613 ECU Self-Test Failed
- P1614 MIL Request Signal Circuit High Input
- P1616 Main Relay Fault
- P1623 Diagnostic Lamp Power Stage Fault
- P1624 MIL On Request Signal//Cooling Fan Relay Low Circuit
- P1625 Cooling Fan Relay High Circuit

P1665 Power Stage Group 'A' Fault

P1670 Power Stage Group 'B' Fault

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ISUZU OBDII DTC

- P1106 Manifold Absolute Pressure Sensor Circuit Intermittent High Input
- P1107 Manifold Absolute Pressure Sensor Circuit Intermittent Low Input
- P1111 Intake Air Temperature Sensor Circuit Intermittent High Input
- P1112 Intake Air Temperature Sensor Circuit Intermittent Low Input
- P1114 Engine Coolant Temperature Sensor Circuit Intermittent Low Input
- P1115 Engine Coolant Temperature Sensor Circuit Intermittent High Input
- P1121 Throttle Position Sensor Circuit Intermittent High Input
- P1122 Throttle Position Sensor Circuit intermittent Low Input
- P1133 HO2S Bank 1 Sensor 1 Insufficient Switching (Bank 1 Sensor 1)
- P1134 HO2S Bank 1 Sensor 1 Transition Time Ratio (Bank 1 Sensor 1)
- P1153 HO2S Bank 2 Sensor 1 Insufficient Switching (Bank 2 Sensor 1)
- P1154 HO2S Bank 2 Sensor 1 Transition Time Ratio (Bank 2 Sensor 1)
- P1171 Fuel System Lean During Acceleration
- P1336 Crankshaft Position System Not Learned
- P1345 Crankshaft Position - Camshaft Position Correlation
- P1351 Ignition Coil Control Circuit High Input
- P1361 Ignition Coil Control Circuit Low Input

- P1380 Misfire Detected - Rough Road Data Not Available
- P1381 Misfire Detected - No Communication with ABS Module
- P1390 G-Acceleration Sensor Intermittent Low Input
- P1391 G-Acceleration (Low G) Sensor Performance
- P1392 Rough Road G-Sensor Circuit Low Input
- P1393 Rough Road G-Sensor Circuit High Input
- P1394 G-Acceleration Sensor Intermittent High Input
- P1404 EGR Closed Position Performance
- P1406 EGR Valve Pintle Position Sensor Circuit Fault
- P1415 Secondary Air Injection System (Bank 1)
- P1416 Secondary Air Injection System (Bank 2)
- P1441 EVAP System Flow During Non-Purge
- P1442 EVAP System Flow During Non-Purge
- P1508 Idle Speed Control System - Low RPM
- P1509 Idle Speed Control System - High RPM
- P1618 Serial Peripheral Interface Communication Error
- P1621 Vehicle Control Module Long Term Memory Performance
- P1626 Vehicle Theft Deterrent Fuel Enable Signal Not Received

- P1631 Theft Deterrent Start Enable Signal Not Correct
- P1632 Theft Deterrent Fuel Disable Signal Received
- P1640 Output Driver Module 'A' Fault
- P1790 VCM ROM (Transmission Side) Check Sum Error
- P1792 VCM EEPROM (Transmission Side) Check Sum Error
- P1835 Kick Down Switch Always On
- P1850 Brake Band Apply Solenoid Electrical Fault
- P1860 TCC PWM Solenoid Electrical Fault
- P1870 Transmission Component Slipping

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JAGUAR OBDII DTC

- P1001 Key on engine running unable to complete; key on engine running aborted
- P1100 Mass air flow sensor intermittent
- P1101 Mass air flow sensor out of self test range
- P1104 Mass Airflow (MAF) Sensor Ground Circuit Malfunction
- P1107 Left MAP Sensor Circuit
- P1108 Right MAP Sensor Circuit
- P1112 IATS Circuit High Voltage
- P1113 IATS Circuit Low Voltage
- P1121 Pedal Position Sensor Circuit A Range/Performance
- P1122 Pedal Position Sensor Circuit A Low Voltage
- P1123 Pedal Position Sensor Circuit A High Voltage
- P1137 No Rear HO2S Response
- P1138 No Rear HO3S Response
- P1157 No Rear HO2S Response
- P1158 No Rear HO3S Response
- P1171 All Cylinders Too Lean

- P1172 All Cylinders Too Rich
- P1176 Adaptive Fuel Metering Trim Too Lean
- P1177 Adaptive Fuel Metering Trim Too Rich
- P1178 Adaptive Fuel Metering Trim Too Lean
- P1179 Adaptive Fuel Metering Trim Too Rich
- P1187 Both Front HO2S Heater Circuits (High Resistance)
- P1188 Both Front HO2S Heater Circuits (Open Short to Ground High Resistance)
- P1190 Both Front HO2S Heater Circuits (High Battery Voltage Short to Voltage)
- P1193 Both Front HO2S Heater Circuits (High Resistance MAF Sensor Fault)
- P1194 Both Front HO2S Heater Circuits (Open Short to Ground High Resistance)
- P1196 Both Front HO2S Heater Circuits (High Battery Voltage Short to Ground)
- P1198 Fuel Level Sensor (High Voltage)
- P1199 Fuel Level Sensor (Low Voltage)
- P1201 No. 1 Fuel Injector

- P1202 No. 2 Fuel Injector
- P1203 No. 3 Fuel Injector
- P1204 No. 4 Fuel Injector
- P1205 No. 5 Fuel Injector
- P1206 No. 6 Fuel Injector
- P1221 Pedal Position Sensor Circuit B Range/Performance
- P1222 Pedal Position Sensor Circuit B Low Voltage
- P1223 Pedal Position Sensor Circuit B High Voltage
- P1224 Electronic Throttle Control Position Error
- P1226 Mechanical Guard Circuit Range Performance
- P1227 Mechanical Guard Circuit Low Input
- P1228 Mechanical Guard Circuit High Input
- P1229 Throttle Control Circuit Malfunction
- P1230 Fuel Pump Relay Malfunction
- P1235 VSV 1 Circuit Range/Performance
- P1236 VSV 1 Vacuum Circuit Failure
- P1237 VSV 2 Atmosphere Circuit Failure
- P1238 VSV 3 Release Circuit Failure

P1240 Throttle Position Sensor Voltage Malfunction//Sensor Reference

Voltage Low (Throttle

Fuel Tank Pressure)

P1241 Throttle Position Sensor Voltage Low Input//Reference Voltage Low

(Throttle Fuel

Tank Pressure)

P1242 Throttle Position Sensor Voltage High Input

P1243 Throttle Position Sensor Ground Malfunction

P1245 Crank Signal Low Input

P1246 Crank Signal High Input

P1313 Misfire Catalyst Damage Bank No. 1

P1314 Misfire Catalyst Damage Bank No. 2

P1315 Misfire Excess Emissions

P1316 Misfire Rate Above Limit

P1335 Crankshaft Position Sensor Circuit

P1336 Camshaft Position Sensor (CMP) Circuit Performance

P1361 Ignition Coil Primary Circuit (Cylinder No. 1)

P1362 Ignition Coil Primary Circuit (Cylinder No. 2)

- P1363 Ignition Coil Primary Circuit (Cylinder No. 3)
- P1364 Ignition Coil Primary Circuit (Cylinder No. 4)
- P1365 Ignition Coil Primary Circuit (Cylinder No. 5)
- P1366 Ignition Coil Primary Circuit (Cylinder No. 6)
- P1367 Ignition Monitor (Bank A)//Ignition System Failure Group 1
- P1368 Ignition Monitor (Bank B)//Ignition System Failure Group 2
- P1371 Early Activation Ignition Coil (Cylinder No. 1)
- P1372 Early Activation Ignition Coil (Cylinder No. 2)
- P1373 Early Activation Ignition Coil (Cylinder No. 3)
- P1374 Early Activation Ignition Coil (Cylinder No. 4)
- P1375 Early Activation Ignition Coil (Cylinder No. 5)
- P1376 Early Activation Ignition Coil (Cylinder No. 6)
- P1392 Variable Valve Timing Solenoid A Low Input
- P1393 Variable Valve Timing Solenoid A High Input
- P1396 Variable Valve Timing Solenoid B Malfunction
- P1397 Variable Valve Timing Solenoid B Low Input
- P1398 Variable Valve Timing Solenoid B High Input
- P1400 EGR Valve Position Circuit (Valve Sticking Open or Short)

- P1401 EGR Valve Position Circuit (Open Short to Ground)
- P1408 EGR Temperature Sensor Circuit
- P1409 EGR Valve Circuit
- P1440 EVAP Purge Valve Open
- P1441 EVAP Valve Circuit
- P1443 EVAP Valve Circuit
- P1447 EVAP Valve Circuit
- P1448 EVAP Valve Circuit
- P1454 EVAP System
- P1474 Charge Air Coolant Pump Relay
- P1475 Radiator Fans Slow Malfunction
- P1476 Radiator Fans Fast Parallel Circuit Malfunction
- P1506 Idle Speed Control Circuit (Low RPM; Bank B)
- P1507 Idle Speed Control Circuit (High RPM; Bank B)
- P1508 Idle Speed Control Circuit
- P1509 Idle Speed Control Circuit
- P1512 Throttle Position Sensor Idle Switch Sense Circuit
- P1513 Throttle Position Sensor Idle Switch Sense Circuit

- P1514 Park/Neutral Position Switch High Load Neutral/Drive
- P1516 Gear Change Park/Neutral Malfunction
- P1517 Engine Cranking Park/Neutral Malfunction
- P1607 MIL Output Circuit
- P1608 Automatic Transmission
- P1609 Internal ECM Error
- P1641 Fuel Pump Relay No. 1
- P1646 Fuel Pump Relay No. 2
- P1739 Automatic Transmission
- P1775 Transmission Control Module MIL Circuit
- P1776 Torque Reduction Request Signal
- P1777 Torque Reduction Circuit
- P1780 Automatic Transmission
- P1781 Automatic Transmission
- P1782 Automatic Transmission
- P1783 Automatic Transmission
- P1785 Automatic Transmission
- P1790 Automatic Transmission

P1791 Automatic Transmission

P1792 Automatic Transmission

P1794 Automatic Transmission

P1796 Automatic Transmission

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KIA OBDII DTC

- P1102 HO2S Bank 1 Sensor 1 Heater Circuit High Input
- P1105 HO2S Bank 1 Sensor 2 Heater Circuit High Input
- P1115 HO2S Bank 1 Sensor 1 Heater Circuit Low Input
- P1117 HO2S Bank 1 Sensor 2 Heater Circuit Low Input
- P1123 Long Term Fuel Trim Adaptive Air System Low
- P1124 Long Term Fuel Trim Adaptive Air System High
- P1127 Long Term Fuel Trim Multiplicative Air System Low
- P1128 Long Term Fuel Trim Multiplicative Air System High
- P1140 Load Calculation Cross Check
- P1170 HO2S Bank 1 Sensor 1 Circuit Voltage Stuck at Mid-Range
- P1195 EGR Boost Or Pressure Sensor Circuit
- P1196 Ignition Switch Start Circuit
- P1213 Fuel Injector 1 Circuit High Input
- P1214 Fuel Injector 2 Circuit High Input
- P1215 Fuel Injector 3 Circuit High Input
- P1216 Fuel Injector 4 Circuit High Input
- P1225 Fuel Injector 1 Circuit Low Input

- P1226 Fuel Injector 2 Circuit Low Input
- P1227 Fuel Injector 3 Circuit Low Input
- P1228 Fuel Injector 4 Circuit Low Input
- P1250 Pressure Regulator Control Solenoid Circuit
- P1307 Chassis Acceleration Sensor Range/Performance
- P1308 Chassis Acceleration Sensor Circuit Low Input
- P1309 Chassis Acceleration Sensor Circuit High Input
- P1345 No SGC (CMP) Signal To Powertrain Control Module
- P1386 Knock Sensor Control Zero Test
- P1401 EGR Control Solenoid Circuit Signal Low
- P1402 EGR Control Solenoid Circuit Signal High//EGR Valve Position Sensor
Circuit
- P1410 EVAP Purge Control Solenoid Circuit High Input
- P1412 EGR Differential Pressure Sensor Signal Low
- P1413 EGR Differential Pressure Sensor Signal High
- P1425 EVAP Purge Control Solenoid Circuit Low Input
- P1449 Canister Drain Cut Valve Solenoid Circuit
- P1455 Fuel Tank Sending Unit Circuit

- P1458 Air Conditioning Compressor Clutch Circuit Fault
- P1485 EGR Vent Control Solenoid Circuit
- P1486 EGR Vacuum Control Solenoid Circuit
- P1487 EGR Boost Sensor Solenoid Circuit
- P1505 Idle Air Control Valve Opening Coil Signal Low
- P1506 Idle Air Control Valve Opening Coil Signal High
- P1507 Idle Air Control Valve Closing Coil Signal Low
- P1508 Idle Air Control Valve Closing Coil Signal High
- P1510 Idle Air Control Valve Closing Coil High Input
- P1513 Idle Air Control Valve Closing Coil Low Input
- P1515 Automatic Transmission To Manual Transmission Codification
- P1523 VICS Solenoid Valve Circuit
- P1552 Idle Air Control Valve Opening Coil Low Input
- P1553 Idle Air Control Valve Opening Coil High Input
- P1586 Automatic Transmission - Manual Transmission Codification
- P1606 Chassis Accelerator Sensor Signal Circuit
- P1608 Powertrain Control Module Internal Fault
- P1611 MIL Request Circuit Low Input

- P1614 MIL Request Circuit High Input
- P1616 Chassis Accelerator Sensor Signal Low Input
- P1617 Chassis Accelerator Sensor Signal High Input
- P1624 TCM To PCM MIL Request Signal Circuit
- P1655 Unused Power Stage 'B'
- P1660 Unused Power Stage 'A'//Power Stage Group 'B'
- P1665 Power Stage Group 'A'
- P1673 Cooling Fan Circuit
- P1693 Malfunction Indicator Circuit
- P1743 Torque Converter Clutch Solenoid Circuit
- P1794 Direct Battery Circuit Open
- P1797 Clutch Pedal Switch//P/N Switch Circuit

LANDROVER OBDII DTC

P1071 Lambda control limit bank 1.Short circuit to V Batt

P1072 Lambda control limit bank 1.Short circuit to ground.

P1074 Lambda control limit bank 2.Short circuit to V Batt.

P1075 Lambda control limit bank 2.Short circuit to ground.

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MAZDA OBDII DTC

- P1000 OBD II Monitor Testing Not Completed
- P1001 Unable to Achieve Self-Test Function or SCP Error
- P1100 Mass Airflow Sensor Circuit Intermittent
- P1101 Mass Airflow Sensor Circuit out of Self-Test Range
- P1102 Mass Airflow Sensor Signal Inconsistent with Throttle Position Sensor
- P1103 Mass Airflow Sensor Signal Inconsistent with Engine Speed
- P1110 Intake Air Temperature Sensor Signal (Dynamic Chamber) Circuit
- P1112 Intake Air Temperature Sensor Circuit Intermittent
- P1113 Intake Air Temperature Sensor Signal (Dynamic Chamber) Circuit
- P1114 Intake Air Temperature Sensor Circuit Low Input
- P1116 ECT Sensor Circuit Out of Self Test Range
- P1117 ECT Sensor Signal Intermittent
- P1120 Throttle Position Sensor out of Range Low
- P1121 Throttle Position Sensor Signal Not Consistent with Mass Airflow
Signal
- P1122 Throttle Position Stuck Closed
- P1123 Throttle Position Stuck Open

- P1124 Throttle Position Sensor Signal Out of Self Test Range
- P1125 Throttle Position Sensor Signal Intermittent
- P1127 HO2S Bank 1 Sensor 2 Heater Not On During Key On Engine Running
Self Test
- P1128 HO2S Bank 1 Sensor 1 Signals Swapped in Key On Engine Running
Self Test
- P1130 HO2S Bank 1 Sensor 1 Not Switching (Fuel Control Limit Reached)
- P1131 HO2S Bank 1 Sensor 1 Signal Below 0.45v (A/F Ratio Too Lean)
- P1132 HO2S Bank 1 Sensor 1 Signal Above 0.45v (A/F Ratio Too Rich)
- P1135 HO2S Bank 1 Sensor 1 Heater Circuit Low Input
- P1136 HO2S Bank 1 Sensor 1 Heater Circuit High Input
- P1137 HO2S Bank 1 Sensor 2 Not Switching (Fuel Control Limit Reached)
- P1138 HO2S Bank 1 Sensor 2 Signal Above 0.45v (A/F Ratio Too Rich)
- P1141 HO2S Bank 1 Sensor 2 Heater Circuit Low Input
- P1142 HO2S Bank 1 Sensor 2 Heater Circuit High Input
- P1143 HO2S Bank 1 Sensor 3 Signal Below 0.45v (A/F Ratio Too Lean)
- P1144 HO2S Bank 1 Sensor 3 Signal Above 0.45v (A/F Ratio Too Rich)
- P1150 HO2S Bank 2 Sensor 1 Not Switching (Fuel Control Limit Reached)

- P1151 HO2S Bank 2 Sensor 1 Signal Below 0.45v (A/F Ratio Too Lean)
- P1152 HO2S Bank 2 Sensor 1 Signal Above 0.45v (A/F Ratio Too Rich)
- P1169 HO2S Bank 1 Sensor 1 Circuit Fixed (Bank 1 Sensor 1)
- P1170 HO2S Bank 1 Sensor 1 Circuit Fixed (Bank 1 Sensor 1)
- P1173 HO2S Bank 2 Sensor 1 Circuit Fixed (Bank 2 Sensor 1)
- P1195 EGR Boost Sensor Circuit
- P1196 Ignition Switch Start Circuit
- P1235 Fuel Pump Control Circuit
- P1236 Fuel Pump Control Out Range
- P1250 Pressure Regulator Control Solenoid Circuit
- P1252 Pressure Regulator Control Solenoid '2' Circuit
- P1260 Anti-Theft System Signal Detected - Engine Disabled
- P1270 Engine RPM or Vehicle Speed Limit Reached
- P1309 Misfire Detection Monitor
- P1345 No CMP or SGC Signal
- P1351 Ignition Diagnostic Monitor Signal Lost to PCM or Out Of Range
- P1352 Ignition Coil 'A' Primary Circuit
- P1353 Ignition Coil 'B' Primary Circuit

- P1354 Ignition Coil 'C' Primary Circuit
- P1358 Ignition Diagnostic Monitor Signal Out Of Self Test Range
- P1359 SPOUT Signal Lost To Powertrain Control Module Or Out Of Range
- P1360 Ignition Coil 'A' Secondary Circuit
- P1361 Ignition Coil 'B' Secondary Circuit
- P1362 Ignition Coil 'C' Secondary Circuit
- P1364 Ignition Coil Primary Circuit
- P1365 Ignition Coil Secondary Circuit
- P1390 Octane Adjust Shorting Bar Out or Circuit Open
- P1400 DPFE Sensor Circuit Low Input
- P1401 DPFE Sensor Circuit High Input
- P1402 EGR Valve Position Sensor Circuit
- P1405 DPFE Sensor Upstream Hose Off Or Plugged
- P1406 DPFE Sensor Downstream Hose Off or Plugged
- P1407 No EGR Flow Detected
- P1408 EGR System Flow Out of Key On Engine Running Self Test Range
- P1409 EGR Vacuum Regulator Solenoid Circuit
- P1410 EGR Boost Solenoid Valve Stuck

- P1443 EVAP System Purge Flow Fault
- P1444 EVAP Purge Flow Sensor Circuit Low Voltage
- P1446 EVAP Purge Flow Sensor Circuit High Voltage
- P1449 CDCV or Throttle Position CV Circuit
- P1450 EVAP Control System Fault
- P1451 Canister Vent Solenoid Circuit
- P1455 Fuel Tank Level Sensor Circuit
- P1460 Wide Open Throttle A/C Cut-Off Relay Circuit
- P1464 Air Conditioning Control Signal Circuit
- P1474 Fan Control (Primary Winding) Circuit
- P1479 Fan Control (Condenser Primary) Circuit
- P1485 EGR Vacuum Solenoid Circuit
- P1486 EGR Vent Solenoid Circuit
- P1487 EGR-CHK (Boost) Solenoid Circuit
- P1496 EGR Valve Motor Coil '1' Open or Shorted
- P1497 EGR Valve Motor Coil '2' Open or Shorted
- P1498 EGR Valve Motor Coil '3' Open or Shorted
- P1499 EGR Valve Motor Coil '4' Open or Shorted

- P1500 Vehicle Speed Sensor Intermittent Signal
- P1501 Vehicle Speed Sensor Out of Self Test Range
- P1502 Vehicle Speed Sensor Circuit Error
- P1504 Idle Air Control Solenoid Circuit Intermittent
- P1505 Idle Air Control System at Adaptive Clip
- P1506 Idle Air Control System Overspeed Detected
- P1507 Idle Air Control System Underspeed Detected
- P1508 Bypass Air Solenoid '1' Circuit
- P1509 Bypass Air Solenoid '2' Circuit
- P1512 VTCS Fault
- P1521 VRIS Solenoid '1' Circuit
- P1522 VRIS Solenoid '2' Circuit
- P1523 VICS Solenoid Circuit
- P1524 Charge Air Cooler Bypass Solenoid Circuit
- P1525 ABV Vacuum Solenoid Circuit
- P1526 ABV Vent Solenoid Circuit
- P1529 L/C Atmospheric Balance Air Control Valve Circuit
- P1540 ABV System Fault

- P1562 Powertrain Control Module +BB Voltage Low
- P1569 VTCS Circuit Low Input
- P1570 VTCS Circuit High Input
- P1601 Powertrain Control Module Communication Line to TCM Error
- P1602 Immobilizer System Communication Error with Powertrain Control
Module
- P1603 Immobilizer System Fault
- P1604 Immobilizer System Fault
- P1605 Powertrain Control Module Keep Alive Memory Test Error
- P1608 Powertrain Control Module (ECM CPU) DTC Test Fault
- P1609 Powertrain Control Module (ECM CPU) Knock Sensor Circuit
- P1621 Immobilizer System Fault
- P1622 Immobilizer System Fault
- P1623 Immobilizer System Fault
- P1624 Immobilizer System Fault
- P1627 Powertrain Control Module (ECM/TCS) Line Communication Error
- P1628 Powertrain Control Module (ECM/TCS) Any Line Communication
Error

- P1631 Generator Output Voltage Signal (No Output)
- P1632 Battery Voltage Monitor Circuit
- P1633 Battery Overcharge Fault
- P1634 Generator Terminal 'B' Circuit Open
- P1650 Power Steering Pressure Switch Out of Range Fault
- P1651 Power Steering Pressure Switch Circuit
- P1652 Power Steering Pressure Switch Circuit
- P1701 Transmission Range Sensor Reverse Engagement Error
- P1702 Transmission Range Sensor Circuit Intermittent
- P1703 Brake On/Off Switch Out of Self Test Range
- P1705 Transmission Range Sensor out of Self Test Range
- P1709 Clutch Pedal Position Switch Circuit
- P1711 Transmission Fluid Temperature Sensor Circuit out of Self Test Range
- P1713 Transmission Fluid Temperature Sensor Circuit
- P1714 Shift Solenoid '1' Mechanical Fault
- P1715 Shift Solenoid '2' Mechanical Fault
- P1716 Shift Solenoid '3' Mechanical Fault
- P1717 Shift Solenoid '4' Mechanical Fault

- P1718 Transmission Fluid Temperature Sensor Circuit
- P1720 Vehicle Speed Sensor '2' Signal Error
- P1729 Transmission 4x4 Low Switch Error
- P1740 Torque Converter Clutch Solenoid Mechanical Fault
- P1741 Torque Converter Clutch Control Electrical Fault
- P1742 Torque Converter Clutch Solenoid Shorted
- P1743 Torque Converter Clutch Failed On - TCIL is On
- P1744 Torque Converter Clutch Solenoid Mechanical Fault
- P1746 Electronic Pressure Control Solenoid Circuit Open
- P1747 Electronic Pressure Control Solenoid Circuit
- P1749 Electronic Pressure Control Solenoid Circuit Low
- P1751 Transmission Shift Solenoid 'A' Mechanical Fault
- P1752 Transmission Shift Solenoid 'A' Circuit Shorted
- P1754 Transmission Coast Clutch Solenoid Electrical Fault
- P1756 Transmission Shift Solenoid 'B' Mechanical Fault
- P1757 Transmission Shift Solenoid 'B' Circuit Shorted
- P1761 Transmission Shift Solenoid '3' Mechanical Fault
- P1762 Transmission SS3/SS4/OD Band Fault

- P1765 Transmission 3-2 Timing Solenoid Valve
- P1767 Torque Converter Clutch Solenoid Circuit
- P1771 Throttle Position Sensor Circuit Open to Transmission Control Module
- P1772 Throttle Position Sensor Circuit Shorted to Transmission Control
Module
- P1780 Transmission Control Switch Circuit//Overdrive Off Switch not Cycled
during the Self
Test
- P1781 Transmission 4x4 Low Switch out of Range Fault
- P1783 Transmission Fluid Temperature High Input
- P1788 3-2T/CCS Circuit Open
- P1789 3-2T/CCS Circuit Shorted
- P1794 Powertrain Control Module Battery Direct Power Circuit
- P1797 P/N Switch Open or Short Circuit
- P1900 Turbine Speed Sensor Circuit Intermittent
- P1901 Torque Converter Clutch Circuit Intermittent

NISSAN OBDII DTC

- P1105 Manifold Absolute Pressure/Barometric Pressure Switch Solenoid Circuit
- P1110 Intake Valve Timing Control Circuit (Bank 1)
- P1120 Secondary Throttle Position Sensor Circuit
- P1125 Tandem Throttle Position Sensor Circuit
- P1132 Intake Valve Timing Control Position Sensor (Bank 1)
- P1135 Intake Valve Timing Control Circuit (Bank 2)
- P1137 Intake Valve Timing Control Position Sensor (Bank 2)
- P1140 Intake Valve Timing Control Position Sensor (Bank 1)
- P1145 Intake Valve Timing Control Position Sensor (Bank 2)
- P1148 Closed Loop Fault Detected (Bank 1)
- P1168 Closed Loop Fault Detected (Bank 2)
- P1210 Traction Control System Signal Fault
- P1220 Fuel Pump Control Module Fault
- P1320 Ignition Control Signal Fault
- P1335 Crankshaft Position Sensor Circuit
- P1336 Crankshaft Position Sensor circuit

- P1400 EGR/EVAP Control Solenoid Circuit
- P1401 EGR Temperature Sensor Circuit
- P1402 EGR System Fault Detected
- P1440 EVAP Canister System Leak Detected
- P1441 EVAP Vacuum Cut Valve Bypass Valve Circuit
- P1443 EVAP Canister Control Vacuum Switch Circuit
- P1444 EVAP Canister Purge Volume Control Valve Circuit
- P1445 EVAP Purge Volume Control Valve
- P1446 EVAP Canister Vent Valve Circuit
- P1447 EVAP Canister Purge Flow/Volume Control Valve Circuit
- P1448 EVAP Vent Control Valve Circuit
- P1490 EVAP Vent Control Valve/Bypass Valve Circuit
- P1491 EVAP Vacuum Cut Valve/Bypass Valve Circuit
- P1492 EVAP Canister Purge Control Valve/Solenoid Valve
- P1605 Transmission Control Module A/T Diagnosis Communication Line
Fault
- P1705 Throttle Position Switch Circuit
- P1706 Park Neutral Position Switch Circuit

P1760 Overrun Clutch Solenoid Valve Circuit

P1900 Cooling Fan Control Circuit

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OBDII GENERIC DTC

- P0000 No Diagnostic Trouble Codes Found
- P0001 Fuel Volume Regulator Control -Circuit Open
- P0002 Fuel volume Regulator Control -Circuit Range/Performance
- P0003 Fuel Volume Regulator Control -Circuit Low
- P0004 Fuel Volume Regulator Control -Circuit High
- P0005 Fuel Shut-off Valve -Circuit Open
- P0006 Fuel Shut-off Valve -Circuit Low
- P0007 Fuel Shut-off Valve -Circuit High
- P0008 Engine Position System Performance Bank 1
- P0009 Engine Position System Performance Bank 2
- P0010 Camshaft Position Actuator Circuit (Bank 1) -Circuit Malfunction
- P0011 Camshaft Position - Timing Over Advanced or System Performance
(Bank 1)
- P0012 Camshaft Position - Timing Over Retarded (Bank 1)
- P0013 Camshaft Position - Actuator Circuit (Bank 1)
- P0014 Camshaft Position - Timing Over Advanced or System Performance
(Bank 1)

- P0015 Camshaft Position -Timing Over-Retarded (Bank 1)
- P0016 Crankshaft Position/Camshaft Position Correlation Bank 1 Sensor A
- P0017 Crankshaft Position/Camshaft Position Correlation Bank 1 Sensor B
- P0018 Crankshaft Position/Camshaft Position Correlation Bank 2 Sensor A
- P0019 Crankshaft Position/Camshaft Position Correlation Bank 2 Sensor B
- P0020 Camshaft Position Actuator Circuit (Bank 2)
- P0021 Camshaft Position - Timing Over Advanced or System Performance
(Bank 2)
- P0022 Camshaft Position - Timing Over Retarded (Bank 2)
- P0023 Camshaft Position - Actuator Circuit (Bank 2)
- P0024 Camshaft Position - Timing Over Advanced or System Performance
(Bank 2)
- P0025 Camshaft Position - Timing Over Retarded (Bank 2)
- P0026 Intake Valve Control Solenoid Circuit -Range/Performance Bank 1
- P0027 Exhaust Valve Control Solenoid Circuit -Range/Performance Bank 1
- P0028 Intake Valve Control Solenoid Circuit -Range/Performance Bank 2
- P0029 Exhaust Valve Control Solenoid Circuit -Range/Performance Bank 2
- P0030 HO2S Heated Oxygen Sensor -Control Circuit (Bank 1 Sensor 1)

- P0031 HO2S Heated Oxygen Sensor -Control Circuit Low (Bank 1 Sensor 1)
- P0032 HO2S Heated Oxygen Sensor -Control Circuit High (Bank 1 Sensor 1)
- P0033 Turbo Charger Bypass/Wastegate Valve -Control Circuit
- P0034 Turbo Charger Bypass/Wastegate Valve Control Circuit Low
- P0035 Turbo Charger Bypass/Wastegate Valve Control Circuit High
- P0036 HO2S Heated Oxygen Sensor -Control Circuit (Bank 1 Sensor 2)
- P0037 HO2S Heated Oxygen Sensor -Control Circuit Low (Bank 1 Sensor 2)
- P0038 HO2S Heated Oxygen Sensor -Control Circuit High (Bank 1 Sensor 2)
- P0039 Turbo/Super Charger Bypass Valve -Control Circuit

Range/Performance

- P0040 Oxygen Sensor Signals Swapped Bank 1 Sensor 1/Bank 2 Sensor 1
- P0041 Oxygen Sensor Signals Swapped Bank 1 Sensor 2/Bank 2 Sensor 2
- P0042 HO2S Heated Oxygen Sensor -Control Circuit (Bank 1 Sensor 3)
- P0043 HO2S Heated Oxygen Sensor -Control Circuit Low (Bank 1 Sensor 3)
- P0044 HO2S Heated Oxygen Sensor -Control Circuit High (Bank 1 Sensor 3)
- P0045 Turbo/Super Charger Boost Control Solenoid -Circuit Open
- P0046 Turbo/Super Charger Boost Control Solenoid -Circuit

Range/Performance

- P0047 Turbo/Super Charger Boost Control Solenoid -Circuit Low
- P0048 Turbo/Super Charger Boost Control Solenoid -Circuit High
- P0049 Turbo/Super Charger Turbine -Over speed
- P0050 HO2S Heated Oxygen Sensor -Control Circuit (Bank 2 Sensor 1)
- P0051 HO2S Heated Oxygen Sensor -Control Circuit Low (Bank 2 Sensor 1)
- P0052 HO2S Heated Oxygen Sensor -Control Circuit High (Bank 2 Sensor 1)
- P0053 HO2S Heated Oxygen Sensor -Resistance (Bank 1 Sensor 1)
- P0054 HO2S Heated Oxygen Sensor -Resistance (Bank 1 Sensor 2)
- P0055 HO2S Heated Oxygen Sensor -Resistance (Bank 1 Sensor 3)
- P0056 HO2S Heated Oxygen Sensor -Control Circuit (Bank 2 Sensor 2)
- P0057 HO2S Heated Oxygen Sensor -Control Circuit Low (Bank 2 Sensor 2)
- P0058 HO2S Heated Oxygen Sensor -Control Circuit High (Bank 2 Sensor 2)
- P0059 HO2S Heated Oxygen Sensor -Resistance (Bank 2 Sensor 1)
- P0060 HO2S Heated Oxygen Sensor -Resistance (Bank 2 Sensor 2)
- P0061 HO2S Heated Oxygen Sensor -Resistance (Bank 2 Sensor 3)
- P0062 HO2S Heated Oxygen Sensor -Control Circuit (Bank 2 Sensor 3)
- P0063 HO2S Heated Oxygen Sensor -Control Circuit Low (Bank 2 Sensor 3)
- P0064 HO2S Heated Oxygen Sensor -Control Circuit High (Bank 2 Sensor 3)

- P0065 Air Assisted Injector -Range/Performance
- P0066 Air Assisted Injector -Circuit Malfunction or Circuit Low
- P0067 Air Assisted Injector -Circuit High
- P0068 (MAP) Manifold Absolute Pressure / (MAF) Mass Air Flow - Throttle
Position
- Correlation
- P0069 (MAP) Manifold Absolute Pressure / (BARO)Barometric Pressure
- Correlation
- P0070 Ambient/Outside Air Temperature Sensor -Circuit Malfunction
- P0071 Ambient/Outside Air Temperature Sensor -Range/Performance Problem
- P0072 Ambient/Outside Air Temperature Sensor -Circuit Low Input
- P0073 Ambient/Outside Air Temperature Sensor -Circuit High Input
- P0074 Ambient/Outside Air Temperature Sensor -Circuit Intermittent
- P0075 Intake Valve Control Solenoid Circuit Malfunction (Bank 1)
- P0076 Intake Valve Control Solenoid Circuit Low (Bank 1)
- P0077 Intake Valve Control Solenoid Circuit High (Bank 1)
- P0078 Exhaust Valve Control Solenoid Circuit Malfunction (Bank 1)
- P0079 Exhaust Valve Control Solenoid Circuit Low (Bank 1)

- P0080 Exhaust Valve Control Solenoid Circuit High (Bank 1)
- P0081 Intake valve Control Solenoid Circuit Malfunction (Bank 2)
- P0082 Intake Valve Control Solenoid Circuit Low (Bank 2)
- P0083 Intake Valve Control Solenoid Circuit High (Bank 2)
- P0084 Exhaust Valve Control Solenoid Circuit Malfunction (Bank 2)
- P0085 Exhaust Valve Control Solenoid Circuit Low (Bank 2)
- P0086 Exhaust Valve Control Solenoid Circuit High (Bank 2)
- P0087 Fuel Rail/System Pressure - Too Low
- P0088 Fuel Rail/System Pressure - Too High
- P0089 Fuel Pressure Regulator -Performance Problem
- P0090 Fuel Metering Solenoid - Open Circuit
- P0091 Fuel Metering Solenoid - Short To Earth
- P0092 Fuel Metering Solenoid - Short To Positive
- P0093 Fuel System Leak Detected - Large Leak
- P0094 Fuel System Leak Detected - Small Leak
- P0095 (IAT) Intake Air Temperature Sensor 2 Circuit Malfunction
- P0096 (IAT) Intake Air Temperature Sensor 2 Circuit Range/Performance
- P0097 (IAT) Intake Air Temperature Sensor 2 Circuit Low

P0098 (IAT) Intake Air Temperature Sensor 2 Circuit High

P0099 (IAT) Intake Air Temperature Sensor 2 Circuit Intermittent/Erratic

P0100 (MAF) Mass Air Flow or (VAF) Volume Air Flow Sensor -Circuit
Malfunction

P0101 (MAF) Mass Air Flow or (VAF) Volume Air Flow Sensor -Circuit
Range/Performance

Problem

P0102 (MAF) Mass Air Flow or (VAF) Volume Air Flow Sensor -Circuit Low
Input

P0103 (MAF) Mass Air Flow or (VAF) Volume Air Flow Sensor -Circuit
High Input

P0104 (MAF) Mass Air Flow or (VAF) Volume Air Flow Sensor -Circuit
Intermittent

P0105 (MAP) Manifold Absolute Pressure/(BARO) Barometric Pressure
Sensor -Circuit

Malfunction

P0106 (MAP) Manifold Absolute Pressure/(BARO) Barometric Pressure
Sensor -Circuit

Range/Performance Problem

P0107 (MAP) Manifold Absolute Pressure/(BARO) Barometric Pressure

Sensor -Circuit Low

Input

P0108 (MAP) Manifold Absolute Pressure/(BARO) Barometric Pressure

Sensor -Circuit High

Input

P0109 (MAP) Manifold Absolute Pressure/(BARO) Barometric Pressure

Sensor -Circuit

Intermittent

P0110 (IAT) Intake Air Temperature Sensor -Circuit Malfunction

P0111 (IAT) Intake Air Temperature Sensor -Circuit Range/Performance

Problem

P0112 (IAT) Intake Air Temperature Sensor -Circuit Low Input

P0113 (IAT) Intake Air Temperature Sensor -Circuit High Input

P0114 (IAT) Intake Air Temperature Sensor -Circuit Intermittent

P0115 Engine Coolant Temperature Sensor -Circuit Malfunction

P0116 Engine Coolant Temperature Sensor -Circuit Range/Performance

Problem

P0117 Engine Coolant Temperature Sensor -Circuit Low Input

P0118 Engine Coolant Temperature Sensor -Circuit High Input

P0119 Engine Coolant Temperature Sensor -Circuit Intermittent

P0120 Throttle/Pedal Position Sensor/Switch A -Circuit Malfunction

P0121 Throttle/Pedal Position Sensor/Switch A -Circuit Range/Performance

Problem

P0122 Throttle/Pedal Position Sensor/Switch A -Circuit Low Input

P0123 Throttle/Pedal Position Sensor/Switch A -Circuit High Input

P0124 Throttle/Pedal Position Sensor/Switch A -Circuit Intermittent

P0125 Insufficient Coolant Temperature for Closed Loop Fuel Control

P0126 Insufficient Coolant Temperature for Stable Operation

P0127 Intake Air Temperature Too High

P0128 Coolant Thermostat (Coolant Temperature Below Thermostat

Regulating Temperature)

P0129 Barometric Pressure Too Low

P0130 O2 Sensor Circuit Malfunction (Bank 1 Sensor 1)

- P0131 O2 Sensor Circuit Low Voltage (Bank 1 Sensor 1)
- P0132 O2 Sensor Circuit High Voltage (Bank 1 Sensor 1)
- P0133 O2 Sensor Circuit Slow Response (Bank 1 Sensor 1)
- P0134 O2 Sensor Circuit No Activity Detected (Bank 1 Sensor 1)
- P0135 O2 Sensor Heater Circuit (Bank 1 Sensor 1)
- P0136 O2 Sensor Circuit Malfunction (Bank 1 Sensor 2)
- P0137 O2 Sensor Circuit Low Voltage (Bank 1 Sensor 2)
- P0138 O2 Sensor Circuit High Voltage (Bank 1 Sensor 2)
- P0139 O2 Sensor Circuit Slow Response (Bank 1 Sensor 2)
- P0140 O2 Sensor Circuit No Activity Detected (Bank 1 Sensor 2)
- P0141 O2 Sensor Heater Circuit Circuit Malfunction (Bank 1 Sensor 2)
- P0142 O2 Sensor Circuit Malfunction (Bank 1 Sensor 3)
- P0143 O2 Sensor Circuit Low Voltage (Bank 1 Sensor 3)
- P0144 O2 Sensor Circuit High Voltage (Bank 1 Sensor 3)
- P0145 O2 Sensor Circuit Slow Response (Bank 1 Sensor 3)
- P0146 O2 Sensor Circuit No Activity Detected (Bank 1 Sensor 3)
- P0147 HO2S Heated Oxygen Sensor (Bank 1 Sensor 3) - Circuit Malfunction
- P0148 Fuel Delivery Error

- P0149 Fuel Timing Error
- P0150 O2 Sensor Circuit Circuit Malfunction (Bank 2 Sensor 1)
- P0151 O2 Sensor Circuit Low Voltage (Bank 2 Sensor 1)
- P0152 O2 Sensor Circuit High Voltage (Bank 2 Sensor 1)
- P0153 O2 Sensor Circuit Slow Response (Bank 2 Sensor 1)
- P0154 O2 Sensor Circuit No Activity Detected (Bank 2 Sensor 1)
- P0155 O2 Sensor Heater Circuit Circuit Malfunction (Bank 2 Sensor 1)
- P0156 O2 Sensor Circuit Malfunction (Bank 2 Sensor 2)
- P0157 O2 Sensor Circuit Low Voltage (Bank 2 Sensor 2)
- P0158 O2 Sensor Circuit High Voltage (Bank 2 Sensor 2)
- P0159 O2 Sensor Circuit Slow Response (Bank 2 Sensor 2)
- P0160 O2 Sensor Circuit No Activity Detected (Bank 2 Sensor 2)
- P0161 O2 Sensor Heater Circuit -Circuit Malfunction (Bank 2 Sensor 2)
- P0162 O2 Sensor Circuit Malfunction (Bank 2 Sensor 3)
- P0163 O2 Sensor Circuit Low Voltage (Bank 2 Sensor 3)
- P0164 O2 Sensor Circuit High Voltage (Bank 2 Sensor 3)
- P0165 O2 Sensor Circuit Slow Response (Bank 2 Sensor 3)
- P0166 O2 Sensor Circuit No Activity Detected (Bank 2 Sensor 3)

- P0167 O2 Sensor Heater Circuit -Circuit Malfunction (Bank 2 Sensor 3)
- P0168 Fuel Temperature Too High
- P0169 Incorrect Fuel Composition
- P0170 Fuel Trim (Bank 1) -Malfunction
- P0171 System too Lean (Bank 1)
- P0172 System too Rich (Bank 1)
- P0173 Fuel Trim Malfunction (Bank 2) -Malfunction
- P0174 System too Lean (Bank 2)
- P0175 System too Rich (Bank 2)
- P0176 Fuel Composition Sensor Circuit -Circuit Malfunction
- P0177 Fuel Composition Sensor Circuit Range/Performance
- P0178 Fuel Composition Sensor Circuit Low Input
- P0179 Fuel Composition Sensor Circuit High Input
- P0180 Fuel Temperature Sensor A -Circuit Malfunction
- P0181 Fuel Temperature Sensor A Circuit Range/Performance
- P0182 Fuel Temperature Sensor A Circuit Low Input
- P0183 Fuel Temperature Sensor A Circuit High Input
- P0184 Fuel Temperature Sensor A Circuit Intermittent

- P0185 Fuel Temperature Sensor B -Circuit Malfunction
- P0186 Fuel Temperature Sensor B Circuit Range/Performance
- P0187 Fuel Temperature Sensor B Circuit Low Input
- P0188 Fuel Temperature Sensor B Circuit High Input
- P0189 Fuel Temperature Sensor B Circuit Intermittent
- P0190 Fuel Rail Pressure Sensor Circuit Malfunction
- P0191 Fuel Rail Pressure Sensor Circuit Range/Performance
- P0192 Fuel Rail Pressure Sensor Circuit Low Input
- P0193 Fuel Rail Pressure Sensor Circuit High Input
- P0194 Fuel Rail Pressure Sensor Circuit Intermittent
- P0195 Engine Oil Temperature Sensor Circuit Malfunction
- P0196 Engine Oil Temperature Sensor Range/Performance
- P0197 Engine Oil Temperature Sensor Low
- P0198 Engine Oil Temperature Sensor High
- P0199 Engine Oil Temperature Sensor Intermittent
- P0200 Injector Circuit Circuit Malfunction
- P0201 Injector 1 -Circuit Malfunction
- P0202 Injector 2 -Circuit Malfunction

- P0203 Injector 3 -Circuit Malfunction
- P0204 Injector 4 -Circuit Malfunction
- P0205 Injector 5 -Circuit Malfunction
- P0206 Injector 6 -Circuit Malfunction
- P0207 Injector 7 -Circuit Malfunction
- P0208 Injector 8 -Circuit Malfunction
- P0209 Injector 9 -Circuit Malfunction
- P0210 Injector 10 -Circuit Malfunction
- P0211 Injector 11 -Circuit Malfunction
- P0212 Injector 12 -Circuit Malfunction
- P0213 Cold Start Injector 1 -Circuit Malfunction
- P0214 Cold Start Injector 2 -Circuit Malfunction
- P0215 Fuel Shut Off Solenoid -Circuit Malfunction
- P0216 Fuel Injection Timing Control -Circuit Malfunction
- P0217 Engine Over Temperature Condition
- P0218 Transmission Over Temperature Condition
- P0219 Engine Over Speed Condition
- P0220 Throttle/Pedal Position Sensor/Switch B -Circuit Malfunction

P0221 Throttle/Pedal Position Sensor/Switch B Circuit Range/Performance

Problem

P0222 Throttle/Pedal Position Sensor/Switch B Circuit Low Input

P0223 Throttle/Pedal Position Sensor/Switch B Circuit High Input

P0224 Throttle/Pedal Position Sensor/Switch B Circuit Intermittent

P0225 Throttle/Pedal Position Sensor/Switch C -Circuit Malfunction

P0226 Throttle/Pedal Position Sensor/Switch C Circuit Range/Performance

Problem

P0227 Throttle/Pedal Position Sensor/Switch C Circuit Low Input

P0228 Throttle/Pedal Position Sensor/Switch C Circuit High Input

P0229 Throttle/Pedal Position Sensor/Switch C Circuit Intermittent

P0230 Fuel Pump Relay -Circuit Malfunction

P0231 Fuel Pump Relay -Circuit Low

P0232 Fuel Pump Relay -Circuit High

P0233 Fuel Pump Relay -Circuit Intermittent

P0234 Engine Boost Condition -Limit Exceeded

P0235 Engine Boost Condition -Limit Not Reached

P0236 Turbo/Super Charger Boost Sensor A Circuit Range/Performance

- P0237 Turbo/Super Charger Boost Sensor A Circuit Low
- P0238 Turbo/Super Charger Boost Sensor A Circuit High
- P0239 Turbo/Super Charger Boost Sensor B Circuit
- P0240 Turbo/Super Charger Boost Sensor B Circuit Range/Performance
- P0241 Turbo/Super Charger Boost Sensor B Circuit Low
- P0242 Turbo/Super Charger Boost Sensor B Circuit High
- P0243 Turbo/Super Charger Wastegate Regulating Solenoid/Valve A
- P0244 Turbo/Super Charger Wastegate Regulating Solenoid/Valve A
Range/Performance
- P0245 Turbo/Super Charger Wastegate Regulating Solenoid/Valve A Low
- P0246 Turbo/Super Charger Wastegate Regulating Solenoid/Valve A High
- P0247 Turbo/Super Charger Wastegate Regulating Solenoid/Valve B
- P0248 Turbo/Super Charger Wastegate Regulating Solenoid/Valve B
Range/Performance
- P0249 Turbo/Super Charger Wastegate Regulating Solenoid/Valve B Low
- P0250 Turbo/Super Charger Wastegate Regulating Solenoid/Valve B High
- P0251 Injection Pump A -Circuit Malfunction (Cam/rotor/Injector)
- P0252 Injection Pump A - Circuit Range/Performance (Cam/Rotor/Injector)

- P0253 Injection Pump A - Circuit Low (Cam/Rotor/Injector)
- P0254 Injection Pump A - Circuit High (Cam/Rotor/Injector)
- P0255 Injection Pump A - Circuit Intermittent (Cam/Rotor/Injector)
- P0256 Injection Pump B - Circuit Malfunction (Cam/Rotor/Injector)
- P0257 Injection Pump B - Circuit Range/Performance (Cam/Rotor/Injector)
- P0258 Injection Pump B - Circuit Low (Cam/Rotor/Injector)
- P0259 Injection Pump B - Circuit High (Cam/Rotor/Injector)
- P0260 Injection Pump B - Circuit Intermittent (Cam/Rotor/Injector)
- P0261 Cylinder 1 Injector -Circuit Low
- P0262 Cylinder 1 Injector -Circuit High
- P0263 Cylinder 1 -Contribution/Balance
- P0264 Cylinder 2 Injector -Circuit Low
- P0265 Cylinder 2 Injector -Circuit High
- P0266 Cylinder 2 -Contribution/Balance
- P0267 Cylinder 3 Injector -Circuit Low
- P0268 Cylinder 3 Injector -Circuit High
- P0269 Cylinder 4 -Contribution/Balance
- P0270 Cylinder 4 Injector -Circuit Low

- P0271 Cylinder 4 Injector -Circuit High
- P0272 Cylinder 4 -Contribution/Balance
- P0273 Cylinder 5 Injector -Circuit Low
- P0274 Cylinder 5 Injector -Circuit High
- P0275 Cylinder 5 -Contribution/Balance
- P0276 Cylinder 6 Injector -Circuit Low
- P0277 Cylinder 6 Injector -Circuit High
- P0278 Cylinder 6 -Contribution/Balance
- P0279 Cylinder 7 Injector -Circuit Low
- P0280 Cylinder 7 Injector -Circuit High
- P0281 Cylinder 7 -Contribution/Balance
- P0282 Cylinder 8 Injector -Circuit Low
- P0283 Cylinder 8 Injector -Circuit High
- P0284 Cylinder 8 -Contribution/Balance
- P0285 Cylinder 9 Injector -Circuit Low
- P0286 Cylinder 9 Injector -Circuit High
- P0287 Cylinder 9 -Contribution/Balance
- P0288 Cylinder 10 Injector -Circuit Low

- P0289 Cylinder 10 Injector -Circuit High
- P0290 Cylinder 10 -Contribution/Balance
- P0291 Cylinder 11 Injector -Circuit Low
- P0292 Cylinder 11 Injector -Circuit High
- P0293 Cylinder 11 -Contribution/Balance
- P0294 Cylinder 12 Injector -Circuit Low
- P0295 Cylinder 12 Injector -Circuit High
- P0296 Cylinder 12 -Contribution/Balance
- P0297 Vehicle Over-speed Condition
- P0298 Engine Oil Temperature -Too High
- P0299 Turbo/Supercharger -Under-boost
- P0300 Random/Multiple Cylinder Misfire Detected
- P0301 Cylinder 1 -Misfire Detected
- P0302 Cylinder 2 -Misfire Detected
- P0303 Cylinder 3 -Misfire Detected
- P0304 Cylinder 4 -Misfire Detected
- P0305 Cylinder 5 -Misfire Detected
- P0306 Cylinder 6 -Misfire Detected

- P0307 Cylinder 7 -Misfire Detected
- P0308 Cylinder 8 -Misfire Detected
- P0309 Cylinder 9 -Misfire Detected
- P0310 Cylinder 10 -Misfire Detected
- P0311 Cylinder 11 -Misfire Detected
- P0312 Cylinder 12 -Misfire Detected
- P0313 Misfire Detected -Low Fuel
- P0314 Single Cylinder Misfire (Cylinder not Specified)
- P0315 Crankshaft Position System -Variation Not Learned
- P0316 Engine Misfire Detected on Start-up (First 1000 Revolutions)
- P0317 Rough Road Hardware -Not Present
- P0318 Rough Road Sensor A -Circuit Malfunction
- P0319 Rough Road Sensor B -Circuit Malfunction
- P0320 Crankshaft/Engine Speed (RPM) Sensor -Circuit Malfunction
- P0321 Crankshaft/Engine Speed (RPM) Sensor -Range/Performance
- P0322 Crankshaft/Engine Speed (RPM) Sensor -No Signal
- P0323 Crankshaft/Engine Speed (RPM) Sensor -Intermittent
- P0324 Knock Control System Error

- P0325 Knock Sensor 1 Circuit (Bank 1 or Single Sensor) -Circuit Malfunction
- P0326 Knock Sensor 1 Circuit Range/Performance (Bank 1 or Single Sensor)
- P0327 Knock Sensor 1 Circuit Low Input (Bank 1 or Single Sensor)
- P0328 Knock Sensor 1 Circuit High Input (Bank 1 or Single Sensor)
- P0329 Knock Sensor 1 Circuit Input Intermittent (Bank 1 or Single Sensor)
- P0330 Knock Sensor 2 Circuit (Bank 2) -Circuit Malfunction
- P0331 Knock Sensor 2 Circuit Range/Performance (Bank 2)
- P0332 Knock Sensor 2 Circuit Low Input (Bank 2)
- P0333 Knock Sensor 2 Circuit High Input (Bank 2)
- P0334 Knock Sensor 2 Circuit Input Intermittent (Bank 2)
- P0335 Crankshaft Position Sensor -Circuit Malfunction
- P0336 Crankshaft Position Sensor -Range/Performance
- P0337 Crankshaft Position Sensor -Low Input
- P0338 Crankshaft Position Sensor -High Input
- P0339 Crankshaft Position Sensor -Intermittent
- P0340 Camshaft Position Sensor A Circuit (Bank 1 or Single Sensor) -Circuit Malfunction

- P0341 Camshaft Position Sensor A Circuit Range/Performance (Bank 1 or Single Sensor)
- P0342 Camshaft Position Sensor A Circuit Low Input (Bank 1 or Single Sensor)
- P0343 Camshaft Position Sensor A Circuit High Input (Bank 1 or Single Sensor)
- P0344 Camshaft Position Sensor A Circuit Intermittent (Bank 1 or Single Sensor)
- P0345 Camshaft Position Sensor A Circuit (Bank 2) -Circuit Malfunction
- P0346 Camshaft Position Sensor A Circuit Range/Performance (Bank 2)
- P0347 Camshaft Position Sensor A Circuit Low Input (Bank 2)
- P0348 Camshaft Position Sensor A Circuit High Input (Bank 2)
- P0349 Camshaft Position Sensor A Circuit Intermittent (Bank 2)
- P0350 Ignition Coil Primary/Secondary Circuit -Circuit Malfunction
- P0351 Ignition Coil A Primary/Secondary Circuit
- P0352 Ignition Coil B Primary/Secondary Circuit
- P0353 Ignition Coil C Primary/Secondary Circuit
- P0354 Ignition Coil D Primary/Secondary Circuit

- P0355 Ignition Coil E Primary/Secondary Circuit
- P0356 Ignition Coil F Primary/Secondary Circuit
- P0357 Ignition Coil G Primary/Secondary Circuit
- P0358 Ignition Coil H Primary/Secondary Circuit
- P0359 Ignition Coil I Primary/Secondary Circuit
- P0360 Ignition Coil J Primary/Secondary Circuit
- P0361 Ignition Coil K Primary/Secondary Circuit
- P0362 Ignition Coil L Primary/Secondary Circuit
- P0363 Misfire Detected - Fuelling Disabled
- P0364 Reserved
- P0365 Camshaft Position Sensor B Circuit (Bank 1) -Circuit Malfunction
- P0366 Camshaft Position Sensor B Circuit Range/Performance (Bank 1)
- P0367 Camshaft Position Sensor B Circuit Low Input (Bank 1)
- P0368 Camshaft Position Sensor B Circuit High Input (Bank 1)
- P0369 Camshaft Position Sensor B Circuit Intermittent (Bank 1)
- P0370 Timing Reference High Resolution Signal A -Circuit Malfunction
- P0371 Timing Reference High Resolution Signal A Too Many Pulses
- P0372 Timing Reference High Resolution Signal A Too Few Pulses

- P0373 Timing Reference High Resolution Signal A Intermittent/Erratic Pulses
- P0374 Timing Reference High Resolution Signal A No Pulses
- P0375 Timing Reference High Resolution Signal B -Circuit Malfunction
- P0376 Timing Reference High Resolution Signal B Too Many Pulses
- P0377 Timing Reference High Resolution Signal B Too Few Pulses
- P0378 Timing Reference High Resolution Signal B Intermittent/Erratic Pulses
- P0379 Timing Reference High Resolution Signal B No Pulses
- P0380 Glow Plug/Heater Circuit A -Circuit Malfunction
- P0381 Glow Plug/Heater Indicator/Warning Lamp Circuit
- P0382 Glow Plug/Heater Circuit B
- P0383 Glow Plug/Heater Control Module -Circuit Low
- P0384 Glow Plug/Heater Control Module -Circuit High
- P0385 Crankshaft Position Sensor B -Circuit Malfunction
- P0386 Crankshaft Position Sensor B -Circuit Range/Performance
- P0387 Crankshaft Position Sensor B -Circuit Low Input
- P0388 Crankshaft Position Sensor B -Circuit High Input
- P0389 Crankshaft Position Sensor B -Circuit Intermittent
- P0390 camshaft Position Sensor B -Circuit Malfunction (Bank 2)

- P0391 Camshaft Position Sensor B circuit Range/Performance (Bank 2)
- P0392 Camshaft Position Sensor B Circuit Low Input (Bank 2)
- P0393 Camshaft Position Sensor B Circuit High Input (Bank 2)
- P0394 Camshaft Position Sensor B Circuit Intermittent (Bank 2)
- P0400 Exhaust Gas Recirculation -Flow Malfunction
- P0401 Exhaust Gas Recirculation -Insufficient Flow Detected
- P0402 Exhaust Gas Recirculation -Excessive Flow Detected
- P0403 Exhaust Gas Recirculation Control -Circuit Malfunction
- P0404 Exhaust Gas Recirculation Control -Circuit Range/Performance
- P0405 Exhaust Gas Recirculation Sensor A -Circuit Low
- P0406 Exhaust Gas Recirculation Sensor A -Circuit High
- P0407 Exhaust Gas Recirculation Sensor B -Circuit Low
- P0408 Exhaust Gas Recirculation Sensor B -Circuit High
- P0409 Exhaust Gas Recirculation Sensor A -Circuit
- P0410 Secondary Air Injection System
- P0411 Secondary Air Injection System -Incorrect Flow Detected
- P0412 Secondary Air Injection System Solenoid A -Circuit Malfunction
- P0413 Secondary Air Injection System Solenoid A Circuit Open

- P0414 Secondary Air Injection System Solenoid A Circuit Shorted
- P0415 Secondary Air Injection System Solenoid B -Circuit Malfunction
- P0416 secondary Air Injection System Solenoid B Circuit Open
- P0417 secondary Air Injection System Solenoid B Circuit Shorted
- P0418 Secondary Air Injection System Pump Relay A -Circuit Malfunction
- P0419 Secondary Air injection System Pump Relay B -Circuit Malfunction
- P0420 Catalytic Converter System -Efficiency Below Threshold (Bank 1)
- P0421 Warm Up Catalytic Converter -Efficiency Below Threshold (Bank 1)
- P0422 Main Catalytic Converter -Efficiency Below Threshold (Bank 1)
- P0423 Heated Catalytic Converter -Efficiency Below Threshold (Bank 1)
- P0424 Heated Catalytic Converter -Temperature Below Threshold (Bank 1)
- P0425 Catalytic Converter Temperature Sensor (Bank 1)
- P0426 Catalytic Converter Temperature Sensor Range/Performance (Bank 1)
- P0427 Catalytic Converter Temperature Sensor Low Input (Bank 1)
- P0428 Catalytic Converter Temperature Sensor High Input (Bank 1)
- P0429 Catalytic Converter Heater Control Circuit (Bank 1)
- P0430 Catalytic Converter -System Efficiency Below Threshold (Bank 2)
- P0431 Warm Up Catalytic Converter -Efficiency Below Threshold (Bank 2)

- P0432 Main Catalytic Converter -Efficiency Below Threshold (Bank 2)
- P0433 Heated Catalytic Converter -Efficiency Below Threshold (Bank 2)
- P0434 Heated Catalytic Converter -Temperature Below Threshold (Bank 2)
- P0435 Catalytic Converter Temperature Sensor (Bank 2)
- P0436 Catalytic Converter Temperature Sensor -Range/Performance (Bank 2)
- P0437 Catalytic Converter Temperature Sensor -Low Input (Bank 2)
- P0438 Catalytic Converter Temperature Sensor -High Input (Bank 2)
- P0439 Catalytic Converter Heater Control -Circuit (Bank 2)
- P0440 Evaporative Emission Control System
- P0441 Evaporative Emission Control System -Incorrect Flow Detected
- P0442 Evaporative Emission Control System -Leak Detected (small leak)
- P0443 Evaporative Emission Control System -Purge Control Valve Circuit
- P0444 Evaporative Emission Control System -Purge Control Valve Circuit
Open
- P0445 Evaporative Emission Control System -Purge Control Valve Circuit
Shorted
- P0446 Evaporative Emission Control System -Vent Control Circuit
- P0447 Evaporative Emission Control System -Vent Control Circuit Open

- P0448 Evaporative Emission Control System -Vent Control Circuit Shorted
- P0449 Evaporative Emission Control System -Vent Valve/Solenoid Circuit
- P0450 Evaporative Emission Control System -Pressure Sensor
- P0451 Evaporative Emission Control System Pressure Sensor

Range/Performance

- P0452 Evaporative Emission Control System -Pressure Sensor Low Input
- P0453 Evaporative Emission Control System -Pressure Sensor High input
- P0454 Evaporative Emission Control System -Pressure Sensor Intermittent
- P0455 Evaporative Emission Control System -Leak Detected (Large Leak)
- P0456 Evaporative Emission Control System -Leak Detected (Very Small Leak)
- P0457 Evaporative Emission Control System -Leak Detected (Fuel Cap Loose/Off)
- P0458 Evaporative Emission Control System -Valve Circuit Low
- P0459 Evaporative Emission Control System -Valve Circuit High
- P0460 Fuel Tank Level Sensor Circuit
- P0461 Fuel Tank Level Sensor Circuit Range/Performance
- P0462 Fuel Tank Level Sensor Circuit Low Input

- P0463 Fuel Tank Level Sensor Circuit High Input
- P0464 Fuel Tank Level Sensor Circuit Intermittent
- P0465 EVAP Evaporative Emission Canister Purge Flow Sensor Circuit
- P0466 EVAP Evaporative Emission Canister Purge Flow Sensor Circuit
Range/Performance
- P0467 EVAP Evaporative Emission Canister Purge Flow Sensor Circuit Low
Input
- P0468 EVAP Evaporative Emission Canister Purge Flow Sensor Circuit High
Input
- P0469 EVAP Evaporative Emission Canister Purge Flow Sensor Circuit
Intermittent
- P0470 Exhaust Gas Pressure Sensor
- P0471 Exhaust Gas Pressure Sensor Range/Performance
- P0472 Exhaust Gas Pressure Sensor Low
- P0473 Exhaust Gas Pressure Sensor High
- P0474 Exhaust Gas Pressure Sensor Intermittent
- P0475 Exhaust Gas Pressure Control Valve
- P0476 Exhaust Gas Pressure Control Valve Range/Performance

- P0477 Exhaust Gas Pressure Control Valve Low
- P0478 Exhaust Gas Pressure Control Valve High
- P0479 Exhaust Gas Pressure Control Valve Intermittent
- P0480 Engine Cooling Fan 1 -Control Circuit
- P0481 Engine Cooling Fan 2 -Control Circuit
- P0482 Engine Cooling Fan 3 -Control Circuit
- P0483 Engine Cooling Fan -Rationality Check
- P0484 Engine Cooling Fan -Circuit Over Current
- P0485 Engine Cooling Fan -Power/Ground Circuit
- P0486 Exhaust Gas Recirculation Sensor B Circuit
- P0487 Exhaust Gas Recirculation Throttle Position Control Circuit
- P0488 Exhaust Gas Recirculation Throttle Position Control

Range/Performance

- P0489 Exhaust Gas Recirculation Control Circuit Low
- P0490 Exhaust Gas Recirculation Control Circuit High
- P0491 Secondary Air Injection System (Bank 1)
- P0492 Secondary Air Injection System (Bank 2)
- P0493 Engine Coolant Fan Over-speed (Clutch Locked)

- P0494 Engine Fan Speed Low
- P0495 Engine Fan Speed High
- P0496 Evaporative Emission System -High Purge Flow
- P0497 Evaporative Emission System -Low Purge Flow
- P0498 Evaporative Emission System Vent Valve -Control Circuit Low
- P0499 Evaporative Emission System Vent Valve -Control Circuit High
- P0500 Vehicle Speed Sensor
- P0501 Vehicle Speed Sensor -Range/Performance
- P0502 Vehicle Speed Sensor Circuit -Low Input
- P0503 Vehicle Speed Sensor -Intermittent/Erratic/High Input
- P0504 Brake Switch A/B Correlation
- P0505 Idle Control System
- P0506 Idle Control System -RPM Lower Than Expected
- P0507 Idle Control System -RPM Higher Than Expected
- P0508 Idle Control System -Circuit Low
- P0509 Idle Control System -Circuit High
- P0510 Closed Throttle Position Switch
- P0512 Starter Request Circuit

- P0513 Incorrect Immobilizer Key
- P0514 Battery Temperature Sensor Circuit Range/Performance
- P0515 Battery Temperature Sensor Circuit
- P0516 Battery Temperature Sensor Circuit Low
- P0517 Battery Temperature Sensor Circuit High
- P0518 Idle Air Control Circuit -Intermittent
- P0519 Idle Air Control System -Performance
- P0520 Engine Oil Pressure Sensor/Switch Circuit
- P0521 Engine Oil Pressure Sensor/Switch Range/Performance
- P0522 Engine Oil Pressure Sensor/Switch Low Voltage
- P0523 Engine Oil Pressure Sensor/Switch High Voltage
- P0524 Engine Oil Pressure Too Low
- P0525 Cruise Control Servo/Actuator Control Circuit Range/Performance
- P0526 Engine Fan Speed Sensor Circuit
- P0527 Engine Fan Speed Sensor Circuit Range/Performance
- P0528 Engine Fan Speed Sensor Circuit No Signal
- P0529 Engine Fan Speed Sensor Circuit Intermittent
- P0530 A/C Refrigerant Pressure Sensor Circuit

- P0531 A/C Refrigerant Pressure Sensor Circuit Range/Performance
- P0532 A/C Refrigerant Pressure Sensor Circuit Low Input
- P0533 A/C Refrigerant Pressure Sensor Circuit High Input
- P0534 Air Conditioner Refrigerant Charge Loss
- P0535 A/C Evaporator Temperature Sensor Circuit
- P0536 A/C Evaporator Temperature Sensor Circuit Range/Performance
- P0537 A/C Evaporator Temperature Sensor Circuit Low
- P0538 A/C Evaporator Temperature Sensor Circuit High
- P0539 A/C Evaporator Temperature Sensor Circuit Intermittent
- P0540 Intake Air Heater A Circuit
- P0541 Intake Air Heater A Circuit Low
- P0542 Intake Air Heater A Circuit High
- P0543 Intake Air Heater A Circuit Open
- P0544 Exhaust Gas Recirculation Temperature Sensor Circuit (Bank 1)
- P0545 Exhaust Gas Recirculation Temperature Sensor Circuit Low (Bank 1)
- P0546 Exhaust Gas Recirculation Temperature Sensor Circuit High (Bank 1)
- P0547 Exhaust Gas Recirculation Temperature Sensor Circuit (Bank 2)
- P0548 Exhaust Gas Recirculation Temperature Sensor Circuit Low (Bank 2)

- P0549 Exhaust Gas Recirculation Temperature Sensor Circuit High (Bank 2)
- P0550 Power Steering Pressure Sensor/Switch Circuit
- P0551 Power Steering Pressure Sensor/Switch Circuit Range/Performance
- P0552 Power Steering Pressure Sensor/Switch Circuit Low Input
- P0553 Power Steering Pressure Sensor/Switch Circuit High Input
- P0554 Power Steering Pressure Sensor/Switch Circuit Intermittent
- P0555 Brake Servo Pressure Sensor -Circuit Malfunction
- P0556 Brake Servo Pressure Sensor -Circuit Range/Performance
- P0557 Brake Servo Pressure Sensor -Circuit Low Input
- P0558 Brake Servo Pressure Sensor -Circuit High Input
- P0559 Brake Servo Pressure Sensor -Circuit Intermittent
- P0560 System Voltage
- P0561 System Voltage -Unstable
- P0562 System Voltage -Low
- P0563 System Voltage -High
- P0564 Cruise Control Multi-Function Switch Input Signal A
- P0565 Cruise Control Switch On Signal
- P0566 Cruise Control Switch Off Signal

- P0567 Cruise Control Switch Resume Signal
- P0568 Cruise Control Switch Set Signal
- P0569 Cruise Control Switch Coast Signal
- P0570 Cruise Control Switch Accel Signal
- P0571 Cruise Control/Brake Switch A Circuit
- P0572 Cruise Control/Brake Switch A Circuit Low
- P0573 Cruise Control/Brake Switch A Circuit High
- P0574 Cruise Control System - Vehicle Speed Too High
- P0575 Cruise Control Input Circuit
- P0576 Cruise Control Input Circuit Low
- P0577 Cruise Control Input Circuit High
- P0578 Cruise Control Multi-Function Switch Input A Circuit Stuck
- P0579 Cruise Control Multi-Function Switch Input A Circuit
- Range/Performance
- P0580 Cruise Control Multi-Function Switch Input A Circuit Low
- P0581 Cruise Control Multi-Function Switch Input A Circuit High
- P0582 Cruise Control Vacuum Control Circuit/Open
- P0583 Cruise Control Vacuum Control Circuit Low

- P0584 Cruise Control Vacuum Control Circuit High
- P0585 Cruise Control Multi-Function Switch Input A/B Correlation
- P0586 Cruise Control Vent Control Circuit/Open
- P0587 Cruise Control Vent Control Circuit Low
- P0588 Cruise Control Vent Control Circuit High
- P0589 Cruise Control Multi-Function Switch Input B Circuit
- P0590 Cruise Control Multi-Function Switch Input B Circuit Stuck
- P0591 Cruise Control Multi-Function Switch Input B Circuit

Range/Performance

- P0592 Cruise Control Multi-Function Switch Input B Circuit Low
- P0593 Cruise Control Multi-Function Switch Input B Circuit High
- P0594 Cruise Control Servo/Actuator Control Circuit/Open
- P0595 Cruise Control Servo/Actuator Control Circuit Low
- P0596 Cruise Control Servo/Actuator Control Circuit High
- P0597 Thermostat Heater Control Circuit/Open
- P0598 Thermostat Heater Control Circuit Low
- P0599 Thermostat Heater Control Circuit High
- P0600 CAN Data Bus -Malfunction

- P0601 Engine Control Module Memory Check Sum Error
- P0602 Engine Control Module Programming Error
- P0603 Engine Control Module Keep Alive Memory (KAM) Error
- P0604 Engine Control Module Random Access Memory (RAM) Error
- P0605 Engine Control Module Read Only Memory (ROM) Error
- P0606 Engine ECM/PCM Processor Fault
- P0607 Control Module Performance
- P0608 Engine Control Module VSS Output A
- P0609 Engine Control Module VSS Output B
- P0610 Control Module -Vehicle Options Error
- P0611 Fuel Injector Control Module -Performance
- P0612 Fuel Injector Control Module -Relay Control
- P0613 Transmission Control Module (TCM) Processor
- P0614 Engine Control Module (ECM) /Transmission Control Module (TCM)
Incompatible/Mismatch
- P0615 Starter Motor Relay Circuit
- P0616 Starter Motor Relay Circuit Low
- P0617 Starter Motor Relay Circuit High

- P0618 Alternative Fuel Control Module KAM Error
- P0619 Alternative Fuel Control Module RAM/ROM Error
- P0620 Alternator Control Circuit
- P0621 Alternator Warning Lamp
- P0622 Alternator Field Control Circuit
- P0623 Alternator Control Lamp Circuit
- P0624 Fuel Filler Cap Control Lamp Circuit
- P0625 Generator Field Terminal -Circuit Low
- P0626 Generator Field Terminal -Circuit High
- P0627 Fuel Pump Control -Circuit Open
- P0628 Fuel Pump Control -Circuit Low
- P0629 Fuel Pump Control -Circuit High
- P0630 VIN Not Programmed or Mismatch - ECM/PCM
- P0631 VIN Not Programmed or Mismatch - TCM
- P0632 Odometer Not Programmed -ECM/PCM
- P0633 Immobilizer Key Not Programmed -ECM/PCM
- P0634 ECM/PCM/TCM -Internal Temperature Too High
- P0635 Power Steering Control -Circuit

- P0636 Power Steering Control -Circuit Low
- P0637 Power Steering Control -Circuit High
- P0638 Throttle Actuator Control Range/Performance (Bank 1)
- P0639 Throttle Actuator Control Range/Performance (Bank 2)
- P0640 Intake Air Heater Control -Circuit
- P0641 Sensor Reference Voltage A -Circuit Open
- P0642 Engine Control Module (ECM) Knock Control -Defective
- P0643 Sensor Reference Voltage A -Circuit High
- P0644 Driver Display, Serial Communication -Circuit Malfunction
- P0645 A/C Clutch Relay Control -Circuit
- P0646 A/C Clutch Relay Control -Circuit Low
- P0647 A/C Clutch Relay Control -Circuit High
- P0648 Immobilizer Lamp Control Circuit
- P0649 Cruise Control Lamp -Control Circuit
- P0650 Malfunction Indicator Lamp (ML) -Control Circuit
- P0651 Sensor Reference Voltage B -Circuit Open
- P0652 Sensor Reference Voltage B -Circuit Low
- P0653 Sensor Reference Voltage B -Circuit High

- P0654 Engine RPM Output Circuit
- P0655 Engine Hot Lamp Output Control Circuit
- P0656 Fuel Level Output Circuit
- P0657 Actuator Supply Voltage -Circuit Open
- P0658 Actuator Supply Voltage -Circuit Low
- P0659 Actuator Supply Voltage -Circuit High
- P0660 Intake Manifold Air Control Solenoid -Circuit (Bank 1)
- P0661 Intake Manifold Air Control Solenoid -Circuit Low (Bank 1)
- P0662 Intake Manifold Air Control Solenoid -Circuit High (Bank 1)
- P0663 Intake Manifold Air Control Solenoid -Circuit (Bank 2)
- P0664 Intake Manifold Air Control Solenoid -Circuit Low (Bank 2)
- P0665 Intake Manifold Air Control Solenoid -Circuit High (Bank 2)
- P0666 ECM/PCM/TCM -Internal Temperature Sensor
- P0667 ECM/PCM/TCM -Internal Temperature Sensor -Range/Performance
- P0668 ECM/PCM/TCM -Internal Temperature Sensor -Circuit Low
- P0669 ECM/PCM/TCM -Internal Temperature Sensor -Circuit High
- P0670 Glow plug control Module -circuit malfunction
- P0671 Glow plug 1 -circuit failure

- P0672 Glow plug 2 -circuit failure
- P0673 Glow plug 3 -circuit failure
- P0674 Glow plug 4 -circuit failure
- P0675 Glow plug 5 -circuit failure
- P0676 Glow plug 6 -circuit failure
- P0677 Glow plug 7 -circuit failure
- P0678 Glow plug 8 -circuit failure
- P0679 Glow plug 9 -circuit failure
- P0680 Glow plug 10 -circuit failure
- P0681 Glow plug 11 -circuit failure
- P0682 Glow plug 12 -circuit failure
- P0683 Glow plug Control Module/ECM/PCM -communication fault
- P0684 Glow plug Control Module/ECM/PCM -Range/Performance
- P0685 ECM/PCM Power Relay -Open Circuit
- P0686 ECM/PCM Power Relay -Low Circuit
- P0687 Engine Control Relay -Short To Earth
- P0688 Engine Control Relay -Short To Positive
- P0689 ECM/PCM Power Relay -Sense Circuit Low

- P0690 ECM/PCM Power Relay - Sense Circuit High
- P0691 Engine Coolant Blower Motor 1 -Short To Earth
- P0692 Engine Coolant Blower Motor 1 - Short To Positive
- P0693 Engine Coolant Blower Motor 2 -Short To Earth
- P0694 Engine Coolant Blower Motor 2 - Short To Positive
- P0695 Engine Coolant Blower Motor 3 -Circuit Low
- P0696 Engine Coolant Blower Motor 3 - Circuit High
- P0697 Sensor Reference Voltage C -Circuit Open
- P0698 Sensor Reference Voltage C - Circuit Low
- P0699 Sensor Reference Voltage C - Circuit High
- P0700 Transmission Control System
- P0701 Transmission Control System Range/Performance
- P0702 Transmission Control System -Electrical
- P0703 Torque Converter/Brake Switch B Circuit
- P0704 Clutch Pedal Position Switch -Circuit Malfunction
- P0705 Transmission Range Sensor/Switch Circuit Malfunction (PRNDL
Input)
- P0706 Transmission Range Sensor/Switch Circuit Range/Performance

- P0707 Transmission Range Sensor/Switch Circuit Low Input
- P0708 Transmission Range Sensor/Switch Circuit High Input
- P0709 Transmission Range Sensor/Switch Circuit intermittent
- P0710 Transmission Fluid Temperature Sensor Circuit
- P0711 Transmission Fluid Temperature Sensor Circuit Range/Performance
- P0712 Transmission Fluid Temperature Sensor Circuit Low Input
- P0713 Transmission Fluid Temperature Sensor Circuit High Input
- P0714 Transmission Fluid Temperature Sensor Circuit Intermittent
- P0715 Input/Turbine Speed Sensor Circuit
- P0716 input/Turbine Speed Sensor Circuit Range/Performance
- P0717 Input/Turbine Speed Sensor Circuit No Signal
- P0718 Input/Turbine Speed Sensor Circuit Intermittent
- P0719 Torque Converter/Brake Switch B Circuit Low
- P0720 Output Shaft Speed Sensor Circuit
- P0721 Output Shaft Speed Sensor Circuit Range/Performance
- P0722 Output Shaft Speed Sensor Circuit No Signal
- P0723 Output Shaft Speed Sensor Circuit Intermittent
- P0724 Torque Converter/Brake Switch B Circuit High

- P0725 Engine RPM Input Circuit
- P0726 Engine RPM Input Circuit Range/Performance
- P0727 Engine RPM Input Circuit No Signal
- P0728 Engine RPM Input Circuit Intermittent
- P0729 Gear 6 Incorrect Ratio
- P0730 Incorrect Gear Ratio
- P0731 Gear 1 Incorrect Ratio
- P0732 Gear 2 Incorrect Ratio
- P0733 Gear 3 Incorrect Ratio
- P0734 Gear 4 Incorrect Ratio
- P0735 Gear 5 Incorrect Ratio
- P0736 Reverse Incorrect Ratio
- P0737 TCM Engine Speed Output Circuit
- P0738 TCM Engine Speed Output Circuit Low
- P0739 TCM Engine Speed Output Circuit High
- P0740 Torque Converter Clutch Solenoid Circuit
- P0741 Torque Converter Clutch Solenoid Circuit Performance or Stuck Off
- P0742 Torque Converter Clutch Solenoid Circuit Stuck On

- P0743 Torque Converter Clutch Solenoid Circuit Electrical
- P0744 Torque Converter Clutch Solenoid Circuit Intermittent
- P0745 Transmission Fluid Pressure Control Solenoid
- P0746 Transmission Fluid Pressure Control Solenoid -Performance or Stuck Off
- P0747 Transmission Fluid Pressure Control Solenoid -Stuck On
- P0748 Transmission Fluid Pressure Control Solenoid -Electrical
- P0749 Transmission Fluid Pressure Control Solenoid -Intermittent
- P0750 Shift Solenoid A
- P0751 Shift Solenoid A -Performance or Stuck Off
- P0752 Shift Solenoid A -Stuck On
- P0753 Shift Solenoid A -Electrical
- P0754 Shift Solenoid A -Intermittent
- P0755 Shift Solenoid B
- P0756 Shift Solenoid B Performance or Stuck Off
- P0757 Shift Solenoid B Stuck On
- P0758 Shift Solenoid B Electrical
- P0759 Shift Solenoid B Intermittent

- P0760 Shift Solenoid C
- P0761 Shift Solenoid C Performance or Stuck Off
- P0762 Shift Solenoid C Stuck On
- P0763 Shift Solenoid C Electrical
- P0764 Shift Solenoid C Intermittent
- P0765 Shift Solenoid D
- P0766 Shift Solenoid D Performance or Stuck Off
- P0767 Shift Solenoid D Stuck On
- P0768 Shift Solenoid D Electrical
- P0769 Shift Solenoid D Intermittent
- P0770 Shift Solenoid E
- P0771 Shift Solenoid E Performance or Stuck Off
- P0772 Shift Solenoid E Stuck On
- P0773 Shift Solenoid E Electrical
- P0774 Shift Solenoid E Intermittent
- P0775 Pressure Control Solenoid B
- P0776 Pressure Control Solenoid B Performance or Stuck Off
- P0777 Pressure Control Solenoid B Stuck On

- P0778 Pressure Control Solenoid B Electrical
- P0779 Pressure Control Solenoid B Intermittent
- P0780 Gear Selection -Shift Malfunction
- P0781 Gear Selection 1-2 Shift Malfunction
- P0782 Gear Selection 2-3 Shift Malfunction
- P0783 Gear Selection 3-4 Shift Malfunction
- P0784 Gear Selection 4-5 Shift Malfunction
- P0785 Shift/Timing Solenoid
- P0786 Shift/Timing Solenoid Range/Performance
- P0787 Shift/Timing Solenoid Low
- P0788 Shift/Timing Solenoid High
- P0789 Shift/Timing Solenoid Intermittent
- P0790 Transmission Mode Selection Switch
- P0791 Intermediate Shaft Speed Sensor -Circuit
- P0792 Intermediate Shaft Speed Sensor Circuit Range/Performance
- P0793 Intermediate Shaft Speed Sensor Circuit No Signal
- P0794 Intermediate Shaft Speed Sensor Circuit Intermittent
- P0795 Transmission Fluid Pressure Control Solenoid C

- P0796 Transmission Fluid Pressure Control Solenoid C Performance or Stuck off
- P0797 Transmission Fluid Pressure Control Solenoid C Stuck On
- P0798 Transmission Fluid Pressure Control Solenoid C Electrical
- P0799 Transmission Fluid Pressure Control Solenoid C Intermittent
- P0800 Transfer Box Control System (MIL Request)
- P0801 Reverse Inhibit Circuit
- P0802 Transmission Control System MIL Request Circuit/Open
- P0803 1-4 Upshift (Skip Shift) Solenoid Circuit
- P0804 1-4 Upshift (Skip Shift) Warning Lamp Circuit
- P0805 Clutch Position Sensor Circuit
- P0806 Clutch Position Sensor Circuit Range/Performance
- P0807 Clutch Position Sensor Circuit Low
- P0808 Clutch Position Sensor Circuit High
- P0809 Clutch Position Sensor Circuit Intermittent
- P0810 Clutch Position Control Error
- P0811 Excessive Clutch Slip
- P0812 Reverse Gear Input Circuit

- P0813 Reverse Gear Output Circuit
- P0814 Transmission Range Display -Circuit
- P0815 Upshift Switch -Circuit
- P0816 Downshift Switch -Circuit
- P0817 Starter Disable -Circuit
- P0818 Driveline Disconnect Switch -Circuit
- P0819 Up/Down Shift Switch to Transmission Range Correlation
- P0820 Gear Lever X-Y Position Sensor Circuit
- P0821 Gear Lever X Position Circuit
- P0822 Gear Lever Y Position Circuit
- P0823 Gear Lever X Position Circuit Intermittent
- P0824 Gear Lever Y Position Circuit Intermittent
- P0825 Gear Lever Push-Pull Switch
- P0826 Up/Down Shift Switch Circuit
- P0827 Up/Down Shift Switch Circuit Low
- P0828 Up/Down Shift Switch Circuit High
- P0829 5-6 UpShift
- P0830 Clutch Pedal Position Switch A Circuit

- P0831 Clutch Pedal Position Switch A Circuit Low
- P0832 Clutch Pedal Position Switch A Circuit High
- P0833 Clutch Pedal Position Switch B Circuit
- P0834 Clutch Pedal Position Switch B Circuit Low
- P0835 Clutch Pedal Position Switch B Circuit High
- P0836 Four Wheel Drive (4WD) Switch Circuit
- P0837 Four Wheel Drive (4WD) Switch Circuit Range/Performance
- P0838 Four Wheel Drive (4WD) Switch Circuit Low
- P0839 Four Wheel Drive (4WD) Switch Circuit High
- P0840 Transmission Fluid Pressure Sensor/Switch A Circuit
- P0841 Transmission Fluid Pressure Sensor/Switch A Circuit
Range/Performance
- P0842 Transmission Fluid Pressure Sensor/Switch A Circuit Low
- P0843 Transmission Fluid Pressure Sensor/Switch A Circuit High
- P0844 Transmission Fluid Pressure Sensor/Switch A Circuit Intermittent
- P0845 Transmission Fluid Pressure Sensor/Switch B Circuit
- P0846 Transmission Fluid Pressure Sensor/Switch B Circuit
Range/Performance

- P0847 Transmission Fluid Pressure Sensor/Switch B Circuit Low
- P0848 Transmission Fluid Pressure Sensor/Switch B Circuit High
- P0849 Transmission Fluid Pressure Sensor/Switch B Circuit Intermittent
- P0850 Park/Neutral Position Switch Input Circuit
- P0851 Park/Neutral Position Switch Input Circuit Low
- P0852 Park/Neutral Position Switch Input Circuit High
- P0853 Drive Switch Input Circuit
- P0854 Drive Switch Input Circuit Low
- P0855 Drive Switch Input Circuit High
- P0856 Traction Control Input Signal
- P0857 Traction Control Input Signal Range/Performance
- P0858 Traction Control Input Signal Low
- P0859 Traction Control Input Signal High
- P0860 Gear Shift Module Communication Circuit
- P0861 Gear Shift Module Communication Circuit Low
- P0862 Gear Shift Module Communication Circuit High
- P0863 (TCM) Transmission Control Module Communication Circuit

P0864 (TCM) Transmission Control Module Communication Circuit

Range/Performance

P0865 (TCM) Transmission Control Module Communication Circuit Low

P0866 (TCM) Transmission Control Module Communication Circuit High

P0867 Transmission Fluid Pressure

P0868 Transmission Fluid Pressure Low

P0869 Transmission Fluid Pressure High

P0870 Transmission Fluid Pressure Sensor/Switch C Circuit

P0871 Transmission Fluid Pressure Sensor/Switch C Circuit

Range/Performance

P0872 Transmission Fluid Pressure Sensor/Switch C Circuit Low

P0873 Transmission Fluid Pressure Sensor/Switch C Circuit High

P0874 Transmission Fluid Pressure Sensor/Switch C Circuit Intermittent

P0875 Transmission Fluid Pressure Sensor/Switch D Circuit

P0876 Transmission Fluid Pressure Sensor/Switch D Circuit

Range/Performance

P0877 Transmission Fluid Pressure Sensor/Switch D Circuit Low

P0878 Transmission Fluid Pressure Sensor/Switch D Circuit High

P0879 Transmission Fluid Pressure Sensor/Switch D Circuit Intermittent

P0880 TCM Transmission Control Module Power Input Signal

P0881 TCM Transmission Control Module Power Input Signal

Range/Performance

P0882 TCM Transmission Control Module Power Input Signal Low

P0883 TCM Transmission Control Module Power Input Signal High

P0884 TCM Transmission Control Module Power Input Signal Intermittent

P0885 TCM Transmission Control Module Power Relay Control Circuit/Open

P0886 TCM Transmission Control Module Power Relay Control Circuit Low

P0887 TCM Transmission Control Module Power Relay Control Circuit High

P0888 TCM Transmission Control Module Power Relay Sense Circuit

P0889 TCM Transmission Control Module Power Relay Sense Circuit

Range/Performance

P0890 TCM Transmission Control Module Power Relay Sense Circuit Low

P0891 TCM Transmission Control Module Power Relay Sense Circuit High

P0892 TCM Transmission Control Module Power Relay Sense Circuit

Intermittent

P0893 Multiple Gears Engaged

- P0894 Transmission Component Slipping
- P0895 Shift Time Too Short
- P0896 Shift Time Too Long
- P0897 Transmission Fluid Deteriorated
- P0898 Transmission Control System MIL Request Circuit Low
- P0899 Transmission Control System MIL Request Circuit High
- P0900 Clutch Actuator Circuit/Open
- P0901 Clutch Actuator Circuit Range/Performance
- P0902 Clutch Actuator Circuit Low
- P0903 Clutch Actuator Circuit High
- P0904 Transmission Gate Select Position Circuit
- P0905 Transmission Gate Select Position Circuit Range/Performance
- P0906 Transmission Gate Select Position Circuit Low
- P0907 Transmission Gate Select Position Circuit High
- P0908 Transmission Gate Select Position Circuit Intermittent
- P0909 Transmission Gate Select Control Error
- P0910 Transmission Gate Select Actuator Circuit/Open
- P0911 Transmission Gate Select Actuator Circuit Range/Performance

- P0912 Transmission Gate Select Actuator Circuit Low
- P0913 Transmission Gate Select Actuator Circuit High
- P0914 Gear Shift Position Circuit
- P0915 Gear Shift Position Circuit Range/Performance
- P0916 Gear Shift Position Circuit Low
- P0917 Gear Shift Position Circuit High
- P0918 Gear Shift Position Circuit Intermittent
- P0919 Gear Shift Position Control Error
- P0920 Gear Shift Forward Actuator Circuit/Open
- P0921 Gear Shift Forward Actuator Circuit Range/Performance
- P0922 Gear Shift Forward Actuator Circuit Low
- P0923 Gear Shift Forward Actuator Circuit High
- P0924 Gear Shift Reverse Actuator Circuit/Open
- P0925 Gear Shift Reverse Actuator Circuit Range/Performance
- P0926 Gear Shift Reverse Actuator Circuit Low
- P0927 Gear Shift Reverse Actuator Circuit High
- P0928 Gear Shift Lock Solenoid Control Circuit/Open
- P0929 Gear Shift Lock Solenoid Control Circuit Range/Performance

- P0930 Gear Shift Lock Solenoid Control Circuit Low
- P0931 Gear Shift Lock Solenoid Control Circuit High
- P0932 Hydraulic Pressure Sensor Circuit
- P0933 Hydraulic Pressure Sensor Circuit Range/Performance
- P0934 Hydraulic Pressure Sensor Circuit Low
- P0935 Hydraulic Pressure Sensor Circuit High
- P0936 Hydraulic Pressure Sensor Circuit Intermittent
- P0937 Hydraulic Oil Temperature Sensor Circuit
- P0938 Hydraulic Oil Temperature Sensor Circuit Range/Performance
- P0939 Hydraulic Oil Temperature Sensor Circuit Low
- P0940 Hydraulic Oil Temperature Sensor Circuit High
- P0941 Hydraulic Oil Temperature Sensor Circuit Intermittent
- P0942 Hydraulic Pressure Unit
- P0943 Hydraulic Pressure Unit Cycling Period Too Short
- P0944 Hydraulic Pressure Unit Loss of Pressure
- P0945 Hydraulic Pump Relay Circuit/Open
- P0946 Hydraulic Pump Relay Circuit Range/Performance
- P0947 Hydraulic Pump Relay Circuit Low

- P0948 Hydraulic Pump Relay Circuit High
- P0949 ASM Auto Shift Manual Adaptive Learning Not Complete
- P0950 ASM Auto Shift Manual Control Circuit
- P0951 ASM Auto Shift Manual Control Circuit Range/Performance
- P0952 ASM Auto Shift Manual Control Circuit Low
- P0953 ASM Auto Shift Manual Control Circuit High
- P0954 ASM Auto Shift Manual Control Circuit Intermittent
- P0955 ASM Auto Shift Manual Mode Circuit
- P0956 ASM Auto Shift Manual Mode Circuit Range/Performance
- P0957 ASM Auto Shift Manual Mode Circuit Low
- P0958 ASM Auto Shift Manual Mode Circuit High
- P0959 ASM Auto Shift Manual Mode Circuit Intermittent
- P0960 Pressure Control Solenoid A Control Circuit/Open
- P0961 Pressure Control Solenoid A Control Circuit Range/Performance
- P0962 Pressure Control Solenoid A Control Circuit Low
- P0963 Pressure Control Solenoid A Control Circuit High
- P0964 Pressure Control Solenoid B Control Circuit/Open
- P0965 Pressure Control Solenoid B Control Circuit Range/Performance

- P0966 Pressure Control Solenoid B Control Circuit Low
- P0967 Pressure Control Solenoid B Control Circuit High
- P0968 Pressure Control Solenoid C Control Circuit/Open
- P0969 Pressure Control Solenoid C Control Circuit Range/Performance
- P0970 Pressure Control Solenoid C Control Circuit Low
- P0971 Pressure Control Solenoid C Control Circuit High
- P0972 Shift Solenoid A Control Circuit Range/Performance
- P0973 Shift Solenoid A Control Circuit Low
- P0974 Shift Solenoid A Control Circuit High
- P0975 Shift Solenoid B Control Circuit Range/Performance
- P0976 Shift Solenoid B Control Circuit Low
- P0977 Shift Solenoid B Control Circuit High
- P0978 Shift Solenoid C Control Circuit Range/Performance
- P0979 Shift Solenoid C Control Circuit Low
- P0980 Shift Solenoid C Control Circuit High
- P0981 Shift Solenoid D Control Circuit Range/Performance
- P0982 Shift Solenoid D Control Circuit Low
- P0983 Shift Solenoid D Control Circuit High

P0984 Shift Solenoid E Control Circuit Range/Performance

P0985 Shift Solenoid E Control Circuit Low

P0986 Shift Solenoid E Control Circuit High

P0987 Transmission Fluid Pressure Sensor/Switch E Circuit

P0988 Transmission Fluid Pressure Sensor/Switch E Circuit

Range/Performance

P0989 Transmission Fluid Pressure Sensor/Switch E Circuit Low

P0990 Transmission Fluid Pressure Sensor/Switch E Circuit High

P0991 Transmission Fluid Pressure Sensor/Switch E Circuit Intermittent

P0992 Transmission Fluid Pressure Sensor/Switch F Circuit

P0993 Transmission Fluid Pressure Sensor/Switch F Circuit

Range/Performance

P0994 Transmission Fluid Pressure Sensor/Switch F Circuit Low

P0995 Transmission Fluid Pressure Sensor/Switch F Circuit High

P0996 Transmission Fluid Pressure Sensor/Switch F Circuit Intermittent

P0997 Shift Solenoid F Control Circuit Range/Performance

P0998 Shift Solenoid F Control Circuit Low

P0999 Shift Solenoid F Control Circuit High

OPEL OBDII DTC

- P1100 Mass air flow (MAF) sensor/manifold absolute pressure (MAP) sensor - implausible signal
- P1105 Barometric pressure (BARO) sensor - circuit malfunction
- P1110 Intake manifold air control solenoid 1 - circuit malfunction
- P1111 Intake manifold air control solenoid 2 - circuit malfunction
- P1120 Throttle position (TPS) sensor/manifold absolute pressure (MAP) sensor - implausible signal /Accelerator pedal position (APP) sensor A - circuit malfunction
- P1122 Accelerator pedal position (APP) sensor B - circuit malfunction
- P1125 Turbocharger (TC) wastegate regulating valve - circuit malfunction
- P1130 Heated oxygen sensor (HO2S) 1, bank 1 - malfunction
- P1170 Mixture control (MC), bank 1 - malfunction
- P1171 Mixture control (MC), engine under load - mixture lean
- P1173 Engine overheat protection activated - engine temperature above limit
- P1180 Fuel temperature sensor, in injection pump - malfunction
- P1195 Engine oil pressure switch - malfunction

- P1201 Injector needle lift sensor - circuit malfunction
- P1220 Fuel quantity adjustment control - malfunction
- P1229 Engine control relay - voltage high
- P1230 Engine control relay - voltage low
- P1231 Fuel pump relay
- P1300 Fuel tank - empty
- P1326 Knock control, cylinder 1 - control limit reached
- P1327 Knock control, cylinder 2 - control limit reached
- P1328 Knock control, cylinder 3 - control limit reached
- P1329 Knock control, cylinder 4 - control limit reached
- P1335 Fuel injection pump control module - CKP signal missing
- P1345 Injection pump position sensor - malfunction
- P1372 Crankshaft position (CKP) sensor - malfunction
- P1404 Exhaust gas recirculation (EGR) valve - range /performance problem
- P1405 Exhaust gas recirculation (EGR) valve position sensor -malfunction
- P1410 Secondary air injection (AIR) pump relay - circuit malfunction
- P1481 Engine coolant blower motor relay 1 - malfunction
- P1482 Engine coolant blower motor relay 2 - malfunction

- P1483 Engine coolant blower motor relay 3 - malfunction
- P1500 Electronic throttle system (ETS) - circuit malfunction
- P1501 Immobilizer control module - program error
- P1502 Immobilizer control module - no signal)
- P1503 Immobilizer control module - incorrect signal
- P1508 Idle air control (IAC) valve - circuit malfunction
- P1509 Idle air control (IAC) valve - circuit malfunction
- P1510 Closed throttle position (CTP) switch - circuit malfunction
- P1515 Idle air control (IAC) valve - circuit malfunction
- P1520 Electronic throttle system (ETS) - supply voltage
- P1523 Electronic throttle system (ETS) - malfunction
- P1525 Electronic throttle system (ETS), limp home position - malfunction
- P1526 Electronic throttle system (ETS), adaptation - malfunction
- P1530 AC cut-off relay - circuit malfunction
- P1540 AC refrigerant pressure sensor - circuit malfunction
- P1546 AC compressor clutch, signal - circuit malfunction
- P1550 Electronic throttle system (ETS) - in emergency mod

- P1551 Electronic throttle system (ETS), engine torque monitoring continuously above limit
- P1555 Throttle position (TP) sensor A/mass air flow (MAF) sensor - implausible signal
- P1560 System voltage, battery - out of limits
- P1571 Brake pedal position (BPP) switch - circuit malfunction
- P1572 Engine control module (ECM)/Immobilizer control module - no Immobilizer signal
- P1573 Engine control module (ECM)/Immobilizer control module - incorrect Immobilizer signal
- P1600 Engine control module (ECM) - program error
- P1601 Module temperature switch, ECM - temperature high
- P1602 Knock control - RAM malfunction
- P1604 Engine control module (ECM) - defective
- P1605 Engine control module (ECM) - coding
- P1606 Engine control module (ECM) - defective
- P1610 Immobilizer control module - program error

- P1611 Immobilizer control module - incorrect security code entered
- P1612 Immobilizer control module - no/incorrect signal
- P1613 Immobilizer control module - no/incorrect signal
- P1614 Immobilizer control module - incorrect signal
- P1615 Immobilizer control module/multifunction control module
communication - incorrect
code
- P1616 Immobilizer control module/instrumentation control module
communication - incorrect
code
- P1618 Engine control module (ECM) - malfunction
- P1620 Engine control module (ECM), supply voltage - out of limits
- P1621 Engine control module (ECM) - defective
- P1622 Fuel pump relay
- P1625 Engine control module (ECM) - malfunction
- P1631 Fuel injection pump control module - defective
- P1635 Engine control module (ECM) - defective

- P1640 Engine control module (ECM), MIURPM/fuel consumption signal(s) -
circuit
malfunction
- P1650 Malfunction indicator lamp (MIL) - circuit malfunction
- P1651 Fuel injection pump control module, CAN data bus- malfunction
- P1660 Fuel shut-off solenoid - circuit malfunction
- P1690 Malfunction indicator lamp (MIL) - circuit malfunction
- P1694 Glow plug warning lamp - circuit malfunction
- P1700 Transmission control module (TCM) - service request signal
- P1705 Park/neutral position (PNP) switch - incorrect signal
- P1725 Injector needle lift sensor - incorrect signal
- P1740 AT torque control, signal - malfunction
- P1743 Torque converter clutch - vibration
- P1760 System voltage, ignition - out of limits
- P1780 Throttle position (TP) sensor, traction control - circuit malfunction
- P1781 CAN data bus, ECM actual torque signal - malfunction detected
- P1790 CAN data bus, ECM/TCM communication - malfunction detected
- P1792 CAN data bus, ECMITCM communication - malfunction detected

- P1800 System voltage, ignition - out of limits
- P1813 AT torque control, signal - malfunction
- P1835 Transmission kick-down switch - circuit malfunction
- P1842 Throttle position (TP) sensor signal out of range
- P1843 Engine coolant temperature (ECT) sensor - signal out of range
- P1844 Engine control module (ECM), torque control - signal out of range
- P1845 Transmission ratio monitor - circuit malfunction/ AT torque control, signal - malfunction
- P1847 Transmission control module (TCM), multiplexing - no signal
- P1850 Shift solenoid (SS) 'C', band apply - circuit malfunction
- P1860 Torque converter clutch (TCC) solenoid - circuit malfunction
- P1870 Torque converter clutch (TCC) - inoperative
- P1890 Throttle position (TP) sensor - circuit malfunction /CAN data bus, ECMITCM communication - malfunction detected
- P1895 Engine control module (ECM), actual torque signal - circuit malfunction

PEUGEOT OBDII DTC

P1000 Remote fault Permanent fault CAN communications No
communications with the auto
gearbox

P1000 Remote fault Permanent fault CAN communications No
communications with the BSI

P1000 Remote fault Permanent fault CAN communications No
communications with air
conditioning or ABS

P1000 Remote fault Permanent fault CAN communications No
communications with ESP

P1000 No fault

P1000 Permanent fault CAN communications No communications between the
engine
management ECU and the other ECUS of the network

P1000 Remote fault Permanent fault CAN communications No
communications on the CAN
network

P1001 Remote fault Intermittent fault CAN communications No
communications with the auto
gearbox

P1001 Remote fault Intermittent fault CAN communications No
communications with the BSI

P1001 Remote fault Intermittent fault CAN communications No
communications with air
conditioning or ABS

P1001 Remote fault Intermittent fault CAN communications No
communications with the ESP

P1001 No fault

P1001 Permanent fault CAN communications no communications between the
engine
management ECU and the other ECUS of the network

P1001 Remote fault Intermittent fault CAN communications No
communications on the CAN
network

P1003 Remote fault Permanent fault External intervention on the flow Auto
g/b ECU : Value

received incorrect

P1003 Remote fault Permanent fault External intervention on the flow ESP
ECU: value

received incorrect

P1003 No fault

P1101 Permanent fault Atmospheric pressure sensor Fault inside ECU .

maximum pressure

reached

P1101 No fault

P1107 No fault

P1107 Permanent fault Swirl electrovalve short-circuit to positive

P1107 Permanent fault Swirl electrovalve short circuit. open or short circuit to
earth

P1108 No fault

P1108 Permanent fault Fan unit high speed circuit short-circuit to positive

- P1108 Permanent fault Fan unit high speed circuit short circuit. open or short circuit to earth
- P1109 No fault
- P1109 Permanent fault Fan unit low speed circuit short-circuit to positive
- P1109 Permanent fault Fan unit low speed circuit short circuit. open or short circuit to earth
- P1110 No fault
- P1110 Permanent fault Air conditioning cut off control short-circuit to positive
- P1110 Permanent fault Air conditioning cut off control short circuit. open or short circuit to earth
- P1112 Permanent fault High pressure diesel monitoring Maximum pressure exceeded
- P1112 Permanent fault High pressure diesel monitoring Pressure below minimum pressure
- P1112 No fault
- P1112 Permanent fault High pressure diesel monitoring High pressure diesel regulator blocked

P1112 Permanent fault High pressure diesel monitoring lack of pressure (Leak)

P1112 Permanent fault High pressure diesel monitoring Pressure below reference

P1112 No fault

P1132 Permanent fault Catalytic converter temperature signals catalytic converter upstream and downstream temperature sensors

P1132 No fault

P1135 No fault

P1135 Permanent fault 3rd piston deactivator short-circuit to positive

P1135 Permanent fault 3rd piston deactivator short circuit. open or short circuit to earth

P1138 No fault

P1138 Permanent fault Fuel pressure regulator short-circuit to positive

P1138 Permanent fault Fuel pressure regulator short circuit. open or short circuit to earth

P1138 Permanent fault Fuel pressure regulator stop requested but regulator still active

- P1169 No fault
- P1169 Permanent fault Capacitor voltage 1 Voltage too high
- P1169 Permanent fault Capacitor voltage 1 Voltage too low
- P1170 No fault
- P1170 Permanent fault Capacitor voltage 2 Voltage too high
- P1170 Permanent fault Capacitor voltage 2 Voltage too low
- P1171 No fault
- P1171 Permanent fault Engine stop through injector cut-off test inside ECU
- P1171 Permanent fault Engine stop through injector cut-off test inside ECU
- P1402 No fault
- P1402 Permanent fault EGR throttle electrovalve short-circuit to positive
- P1402 Permanent fault EGR throttle electrovalve short circuit. open or short circuit to earth
- P1403 No fault
- P1403 Permanent fault 1 additional heating short-circuit to positive
- P1403 Permanent fault 1 additional heating short circuit. open or short circuit to earth
- P1404 No fault

- P1404 Permanent fault 2 additional heating and preheating circuit Faulty circuit
- P1408 No fault
- P1408 Permanent fault Additional heating circuit Open circuit or short circuit
- P1408 Permanent fault Additional heating circuit coherence with battery voltage
- P1421 Permanent fault Cat. converter upstream temperature sensor short circuit to earth
- P1421 Permanent fault Cat. converter upstream temperature sensor short circuit to positive or open circuit
- P1421 Permanent fault Cat. converter upstream temperature sensor coherence (when starting)
- P1421 No fault
- P1425 Permanent fault Cat. converter downstream temperature sensor short circuit to earth
- P1425 Permanent fault Cat. converter downstream temperature sensor short circuit to positive

or open circuit

P1425 Permanent fault Cat. converter downstream temperature sensor

Coherence

P1425 No fault

P1425 Permanent fault Cat. converter downstream temperature sensor

Coherence between cat.

converter upstream temperature and cat. converter downstream temperature

P1429 Permanent fault Exhaust differential pressure sensor short circuit to

earth or hoses

pinched

P1429 Permanent fault Exhaust differential pressure sensor short circuit to

positive or open

circuit

P1429 Permanent fault Exhaust differential pressure sensor Differential

pressure coherence

when stationary

P1429 No fault

P1435 Remote fault Permanent fault Additive system Cap pressure sensor

P1435 Remote fault Permanent fault Additive system Fuel sender

P1435 Remote fault Permanent fault Additive system Additive low level sensor

P1435 Remote fault Permanent fault Additive system Additive ECU

P1435 No fault

P1435 Remote fault Permanent fault Additive system Fuel additive pump

P1435 Remote fault Permanent fault Additive system Additive precision

P1435 No fault

P1442 Permanent fault Amount of additive Max additive level in particle filter reached

P1442 No fault

P1442 Permanent fault Amount of additive Additive ECU

P1446 Permanent fault Amount of additive Additive low level reached

P1446 No fault

P1447 Permanent fault Particulate filter punctured or exhaust differential pressure information incorrect

P1447 No fault

- P1447 Permanent fault Particle filter clogged
- P1447 No fault
- P1448 Permanent fault Particle filter overloaded
- P1448 No fault
- P1451 No fault
- P1451 Permanent fault Inlet air heater Electrovalve short circuited to positive
- P1451 Permanent fault Inlet air heater Electrovalve short circuited to earth or open circuit
- P1458 Permanent fault Coolant electrovalve Electrovalve stuck closed
- P1458 Permanent fault Coolant electrovalve Electrovalve stuck open
- P1458 Permanent fault Coolant electrovalve Short circuit to +
- P1458 Permanent fault Coolant electrovalve Short circuit to earth or open circuit
- P1458 No fault
- P1460 No fault
- P1460 Permanent fault Coolant electrovalve Electrovalve stuck open
- P1460 No fault
- P1507 No fault

- P1507 Permanent fault Anti-boiling strategy active(Fuel temperature)
- P1507 Permanent fault Anti-boiling strategy active(Coolant temperature)
- P1511 No fault
- P1511 Permanent fault Supply with ignition on open circuit
- P1517 Permanent fault Engine immobiliser function failed function
- P1517 No fault
- P1519 Permanent fault Cooling function incorporated into ECU Coherence between fan unit speed and reference value
- P1519 Permanent fault Cooling function incorporated into ECU Open circuit or communications fault on the CAN
- P1519 No fault
- P1521 No fault
- P1521 Permanent fault Clutch switch Coherence with vehicle speed
- P1536 No fault
- P1536 Remote fault Permanent fault ESP plausibility ESP ECU
- P1537 Permanent fault Accelerator pedal jammed Strategy active

P1537 No fault

1606 No fault

P1606 Permanent fault Diagnostic LED circuit short- circuit to positive

P1606 Permanent fault Diagnostic LED circuit short circuit. open or short circuit to earth

P1608 No fault

P1608 Permanent fault Coolant temperature warning light short-circuit to positive

P1608 Permanent fault Coolant temperature warning light short circuit. open or short circuit to earth

P1613 Permanent fault Programming Programming error

P1613 No fault

P1614 Permanent fault Sensor power supply short circuit to earth

P1614 No fault

PORSCHE OBDII DTC

P1036	positive
P1102	Oxygen Sensor Heating
P1105	Oxygen Sensor Heating
P1107	Oxygen Sensor Heating
P1110	Oxygen Sensor Heating
P1115	Oxygen Sensor Heating
P1117	Oxygen Sensor Heating
P1119	Oxygen Sensor Heating
P1121	Oxygen Sensor Heating
P1123	Oxygen Sensor Heating
P1124	Oxygen Sensing
P1125	Oxygen Sensing
P1126	Oxygen Sensing
P1127	Oxygen Sensing
P1128	Oxygen Sensing
P1129	Oxygen Sensing
P1130	Oxygen Sensing

- P1136 Oxygen Sensing
- P1137 Oxygen Sensing
- P1138 Oxygen Sensing
- P1139 Oxygen Sensing
- P1140 Load Signal
- P1157 Engine Compartment Temperature
- P1158 Engine Compartment Temperature
- P1213 Fuel Injector Cylinder 1
- P1214 Fuel Injector Cylinder 2
- P1215 Fuel Injector Cylinder 3
- P1216 Fuel Injector Cylinder 4
- P1217 Fuel Injector Cylinder 5
- P1218 Fuel Injector Cylinder 6
- P1225 Fuel Injector Cylinder 1
- P1226 Fuel Injector Cylinder 2
- P1227 Fuel Injector Cylinder 3
- P1228 Fuel Injector Cylinder 4
- P1229 Fuel Injector Cylinder 5

- P1230 Fuel Injector Cylinder 6
- P1237 Fuel Injector Cylinder 1
- P1238 Fuel Injector Cylinder 2
- P1239 Fuel Injector Cylinder 3
- P1240 Fuel Injector Cylinder 4
- P1241 Fuel Injector Cylinder 5
- P1242 Fuel Injector Cylinder 6
- P1265 Airbag Signal
- P1275 Oxygen Sensor Aging Ahead of Three Way Catalytic Converter
- P1276 Oxygen Sensor Aging Ahead of Three Way Catalytic Converter
- P1313 Misfire Cylinder 1 Emission Related
- P1314 Misfire Cylinder 2 Emission Related
- P1315 Misfire Cylinder 3 Emission Related
- P1316 Misfire Cylinder 4 Emission Related
- P1317 Misfire Cylinder 5 Emission Related
- P1318 Misfire Cylinder 6 Emission Related
- P1319 Misfire Emission Related
- P1324 Timing Chain out of Position Bank 2

- P1340 Timing Chain out of Position Bank 1
- P1384 Knock Sensor 1
- P1385 Knock Sensor 2
- P1386 Knock Control Test Pulse
- P1397 Camshaft Position Sensor 2
- P1411 Secondary Air Injection System
- P1455 A/C Compressor Control
- P1456 A/C Compressor Control
- P1457 A/C Compressor Control
- P1458 A/C Compressor Signal
- P1501 Fuel Pump Relay End-Stage
- P1502 Fuel Pump Relay End-Stage
- P1510 Idle Air Control Valve
- P1513 Idle Air Control Valve
- P1514 Idle Control Valve
- P1515 Intake Manifold Resonance Flap
- P1516 Intake Manifold Resonance Flap
- P1524 Camshaft Adjustment Bank 2

- P1530 Camshaft Adjustment Bank 1
- P1531 Camshaft Adjustment Bank 1
- P1539 Camshaft Adjustment Bank 2
- P1541 Fuel Pump Relay End-Stage
- P1551 Idle Air Control Valve
- P1552 Idle Air Control Valve
- P1553 Idle Air Control Valve
- P1555 Charge Pressure Characteristics
- P1556 Charge Deviations
- P1557 Charge Deviations
- P1570 Immobilizer
- P1571 Immobilizer
- P1585 Misfire With Empty Fuel Tank
- P1593 Intake Manifold Length Tuning 2
- P1594 Intake Manifold Length Tuning 2
- P1595 Intake Manifold Length Tuning 2
- P1600 Voltage Supply
- P1601 Voltage Supply

- P1602 Voltage Supply
- P1610 MIL Activated Externally
- P1611 MIL Activated Externally
- P1614 MIL Activated Externally
- P1640 Engine Control Module
- P1656 Coolant Shutoff Valve
- P1671 Engine Compartment Purge Fan End-Stage
- P1673 Fan End-Stage
- P1689 Engine Control Module
- P1691 Malfunction Indicator Lamp
- P1692 Malfunction Indicator Lamp
- P1693 Malfunction Indicator Lamp
- P1704 Kickdown Switch
- P1710 Speed Signal Right Front
- P1715 Speed Signal Left Front
- P1744 Manual Program Switch
- P1746 Control Unit Detective (Relay)
- P1748 Control unit defective (Relay sticks)

- P1749 Version coding
- P1750 Voltage Supply Solenoid Valve Pressure Regulators 1
- P1761 Shiftlock P/N
- P1762 Shiftlock P/N
- P1764 Instrument cluster triggering
- P1765 Throttle-valve information error
- P1770 Load signal from ECM
- P1782 Engine Engagement
- P1813 Pressure regulator 1
- P1818 Pressure regulator 2
- P1823 Pressure regulator 3
- P1828 Pressure regulator 4

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SAAB OBDII DTC

- P1001 EVAP Purge Valve, Output From Control Module Low
- P1002 EVAP Purge Valve, Output From Control Module High
- P1011 Injector Cyl. No 1 Shorting To Ground
- P1012 Injector Cyl. No 1 Shorting To Battery +
- P1021 Injector Cyl. No 2 Shorting To Ground
- P1022 Injector Cyl. No 2 Shorting To Battery +
- P1031 Injector Cyl. No 3 Shorting To Ground
- P1032 Injector Cyl. No 3 Shorting To Battery +
- P1041 Injector Cyl. No 4 Shorting To Ground
- P1042 Injector Cyl. No 4 Shorting To Battery +
- P1051 Injector Cyl. No 5 Shorting To Ground
- P1052 Injector Cyl. No 5 Shorting To Ground
- P1061 Injector Cyl. No 6 Shorting To Ground
- P1062 Injector Cyl. No 6 Shorting To Ground
- P1102 Front heated oxygen sensor bank 1. Current in preheating circuit too high

- P1105 Rear heated oxygen sensor bank 1. Current in preheating circuit too high
- P1115 Front heated oxygen sensor bank 1. Current in preheating circuit too low
- P1117 Rear heated oxygen sensor bank 1. Current in preheating circuit too low
- P1123 Additive adaptation bank 1. Minimum value
- P1124 Additive adaptation bank 1. Maximum value
- P1125 Additive adaptation bank 2. Minimum value
- P1126 Additive adaptation bank 2. Maximum value
- P1127 Multiplicative adaptation bank 1. Minimum value
- P1128 Multiplicative adaptation bank 1. Maximum value
- P1129 Multiplicative adaptation bank 2. Minimum value
- P1130 Multiplicative adaptation bank 2. Maximum value
- P1170 Closed loop - Malfunction
- P1171 Closed loop - Lean Mixture
- P1172 Closed loop - Rich Mixture
- P1213 Injector cylinder 1 control module output. Shorting to battery positive (B+)

- P1214 Injector cylinder 2 control module output. Shorting to battery positive (B+)
- P1215 Injector cylinder 3 control module output. Shorting to battery positive (B+)
- P1216 Injector cylinder 4 control module output. Shorting to battery positive (B+)
- P1217 Injector cylinder 5 control module output. Shorting to battery positive (B+)
- P1218 Injector cylinder 6 control module output. Shorting to battery positive (B+)
- P1225 Injector cylinder 1 control module output. Open circuit or shorting to ground
- P1226 Injector cylinder 2 control module output. Open circuit or shorting to ground
- P1227 Injector cylinder 3 control module output. Open circuit or shorting to ground
- P1228 Injector cylinder 4 control module output. Open circuit or shorting to ground

- P1229 Injector cylinder 5 control module output. Open circuit or shorting to ground
- P1230 Injector cylinder 6 control module output. Open circuit or shorting to ground
- P1386 Control module for processing knock sensor signals internal fault
- P1396 Crankshaft position sensor. Malfunctioning slotted ring has too many ribs
- P1410 EVAP canister purge valve control module. Shorting to battery positive (B+)
- P1416 Tank level - Low level in conjunction with misfiring or fault in fuel system
- P1425 EVAP canister purge module output. Shorting to ground
- P1426 EVAP canister purge module output. Open circuit
- P1500 Battery voltage outside limits
- P1501 Fuel pump relay control module output. Shorting to ground
- P1502 Fuel pump relay control module output. Shorting to battery positive (B+)

- P1510 Idle air control valve open control module. Shorting to battery positive (B+)
- P1513 Idle air control valve open control module. Shorting to ground
- P1514 Idle air control valve open function control module output. Open circuit
- P1541 Fuel pump relay control module out put
- P1549 Boost pressure control. Malfunction
- P1551 Idle air control valve close function. Open circuit
- P1552 Idle air control valve close function. Shorting to ground
- P1553 Idle air control valve close function. Shorting to battery positive (B+)
- P1576 Brake light switch. Shorting to battery positive (B+)
- P1577 Brake light switch. Open circuit
- P1585 Fuel less than 10 liters
- P1611 CHECK ENGINE request input signal to control module. Shorting to ground
- P1616 Rough road sensor. Control module input low shorting to ground
- P1617 Rough road sensor. Open circuit or shorting to battery positive (B+)
- P1624 The automatic transmission has a stored emission-related fault
- P1664 Shift up output signal from control module. Malfunction

- P1665 Intermittent fault which cannot identify any other specific trouble code
- P1669 TCS active input signal to control module
- P1670 Intermittent fault, which cannot identify any other specific trouble code
- P1675 Intermittent fault which cannot identify any other specific trouble code
- P1680 Relay secondary air injection. Output open circuit or short circuit
- P1691 CHECK ENGINE from On control module. Open circuit
- P1692 CHECK ENGINE from On control module. Shorting to ground
- P1693 CHECK ENGINE from On control module

SUBARU OBDII DTC

- P1086 TGV2 position sensor circuit (Low)
- P1087 TGV2 position sensor circuit (High)
- P1088 TGV1 position sensor circuit (Low)
- P1089 TGV1 position sensor circuit (High)
- P1090 TGV 1 system (Open)
- P1091 TGV 1 system (Closed)
- P1092 TGV 2 system (Open)
- P1093 TGV 2 system (Closed)
- P1094 TGV 1 circuit (Open circuit)
- P1095 TGV 1 circuit (Excessive electricity)
- P1096 TGV 2 circuit (Open circuit)
- P1097 TGV 2 circuit (Excessive electricity)
- P1100 Starter Switch Circuit Low Input
- P1101 Neutral Position Switch Circuit
- P1102 Pressure Sources Switching Solenoid Circuit Low Input
- P1103 Engine Torque Control '1' Circuit
- P1104 Traction Control System Signal Circuit

- P1106 Engine Torque Control '2' Circuit
- P1107 AIR System Diagnosis Solenoid Circuit
- P1108 Induction Control Solenoid Circuit
- P1110 Atmospheric Pressure Sensor Circuit Low Input
- P1111 Pressure Sensor Circuit High Input
- P1112 Pressure Sensor Range/Performance
- P1115 Engine Torque Control High Input
- P1116 Engine Torque Control Low Input
- P1120 Starter Switch Circuit High Input
- P1121 Neutral Position Switch Circuit Low Input (A/T)//Neutral Position
Switch Circuit High
Input (M/T)
- P1124 Traction Control System High Input
- P1130 Air Fuel Ratio Sensor Circuit Open (Bank 1 Sensor 1)
- P1131 Air Fuel Ratio Sensor Circuit Shorted (Bank 1 Sensor 1)
- P1132 Air Fuel Ratio Sensor Heater Circuit Low Input (Bank 1 Sensor 1)
- P1133 Air Fuel Ratio Sensor Heater Circuit High Input (Bank 1 Sensor 1)
- P1134 Air Fuel Ratio Sensor Micro Computer (Bank 1 Sensor 1)

- P1139 Air Fuel Ratio Sensor Micro Computer (Bank 1 Sensor 1)
- P1141 Mass Airflow Sensor Circuit High Input
- P1142 Throttle Position Sensor Circuit Low Input
- P1143 Pressure Sensor Range/Performance
- P1144 Pressure Sensor Circuit Low Input
- P1145 Pressure Sensor Circuit High Input
- P1150 HO2S Bank 1 Sensor 1 Heater Circuit High Input
- P1151 HO2S Bank 1 Sensor 2 Heater Circuit High Input
- P1325 Knock Sensor Circuit Low Input
- P1400 Fuel Tank Pressure Control Solenoid Circuit Low Input
- P1401 Fuel Tank Pressure Control System Performance
- P1402 Fuel Level Pressure Sensor Circuit
- P1420 EVAP Purge Control Solenoid Circuit High Input
- P1421 EGR Control Solenoid Circuit High Input
- P1422 EVAP Purge Control Solenoid Circuit High Input
- P1423 EVAP Vent Control Solenoid Circuit High Input
- P1440 Fuel Tank Pressure System Range/Performance No. 1
- P1441 Fuel Tank Pressure Control System Circuit High Input

- P1442 Fuel Tank Pressure System Range/Performance No. 2
- P1443 EVAP Vent Control Solenoid Function Fault
- P1500 Cooling Sub Fan Relay '1' Circuit
- P1502 Radiator Fan Performance
- P1505 Idle Control System Circuit High Input
- P1507 Idle Control System Fault (Fail Safe Mode)
- P1510 Idle Control System Solenoid Valve Signal '1' Low Input
- P1511 Idle Control System Solenoid Valve Signal '1' High Input
- P1512 Idle Control System Solenoid Valve Signal '2' Low Input
- P1513 Idle Control System Solenoid Valve Signal '2' High Input
- P1514 Idle Control System Solenoid Valve Signal '3' Low Input
- P1515 Idle Control System Solenoid Valve Signal '3' High Input
- P1516 Idle Control System Solenoid Valve Signal '4' Low Input
- P1517 Idle Control System Solenoid Valve Signal '4' High Input
- P1520 Radiator Fan Relay '1' High Input
- P1540 Vehicle Speed Sensor '2' Range/Performance
- P1560 Backup Voltage Circuit
- P1700 Throttle Position Sensor Circuit (A/T Only)

- P1701 Cruise Control System Set Signal Circuit
- P1702 TCM Diagnosis Input Signal Circuit Low Input
- P1703 Low Clutch Timing Control Solenoid Valve Circuit
- P1704 2-4 Brake Timing Control Solenoid Valve Circuit
- P1705 2-4 Brake Timing Control Duty Solenoid 'D' Circuit
- P1722 Automatic Transmission Diagnosis Circuit High Input
- P1742 Automatic Transmission Diagnosis Circuit

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SUZUKI OBDII DTC

- P1250 EFE Heater Circuit
- P1408 Manifold Differential Pressure Sensor Circuit
- P1410 Fuel Tank Pressure Control Solenoid Circuit
- P1450 Barometric Pressure Sensor Circuit
- P1451 Barometric Pressure Sensor Performance
- P1460 Radiator Fan Control System Fault
- P1500 Engine Starter Signal Circuit
- P1510 Powertrain Control Module Backup Power Supply Circuit
- P1530 Ignition Timing Adjustment Switch Circuit
- P1600 PCM/TCM Serial Communication Circuit
- P1700 Transmission Control Module Throttle Position Sensor Circuit
- P1705 Transmission Control Module ECT Sensor Circuit
- P1715 Park Neutral Position Switch Circuit
- P1717 A/T Drive Range Signal Circuit
- P1875 4WD Low Switch Circuit

TOYOTA OBDII DTC

- P1010 OCV for VVTL Circuit (Bank 1)
- P1011 OCV for VVTL Open Malfunction (Bank 1)
- P1012 OCV for VVTL Close Malfunction (Bank 1)
- P1020 OCV for VVTL Circuit (Bank 2)
- P1021 OCV for VVTL Open Malfunction (Bank 2)
- P1022 OCV for VVTL Close Malfunction (Bank 2)
- P1031 A/F Sensor Heater Circuit Low (Bank 1 Sensor 1)
- P1032 A/F Sensor Heater Circuit High (Bank 1 Sensor 1)
- P1051 A/F Sensor Heater Circuit Low (Bank 2 Sensor 1)
- P1052 A/F Sensor Heater Circuit High (Bank 2 Sensor 1)
- P1100 BARO Sensor Circuit malfunction
- P1101 Atmospheric Press Sensor Circuit Range / Performance
- P1120 Accelerator Pedal Position Sensor Circuit Malfunction
- P1121 Accelerator Pedal Position Sensor Range/Performance Problem
- P1125 Throttle Control Motor Circuit Malfunction
- P1126 Magnetic Clutch Circuit Malfunction
- P1127 ETCS Actuator Power Source Circuit Malfunction

- P1128 Throttle Control Motor Lock Malfunction
- P1129 Electric Throttle Control System Malfunction
- P1130 Air-Fuel Sensor Circuit Range/Performance
- P1133 Air-Fuel Sensor Circuit Response Malfunction
- P1135 Air-Fuel Sensor Heater Circuit Response Malfunction
- P1150 A/F Sensor Circuit Range/Performance Malfunction
- P1153 A./F Sensor Circuit Response Malfunction
- P1155 A/F Sensor Heater Circuit Malfunction
- P1200 Fuel Pump Relay Circuit Malfunction
- P1300 Igniter Circuit Malfunction No. 1
- P1305 Igniter Circuit Malfunction No. 2 (1998-2000 Land Cruiser, 2000
Celica & Tundra)
- P1310 Igniter Circuit Malfunction No. 2 (Except 1998-2000 Land Cruiser,
2000 Celica &
Tundra)/ Igniter Circuit Malfunction No. 3 (1998-2000 Land Cruiser, 2000
Celica & Tundra)
- P1315 Igniter Circuit Malfunction No. 4 (1998-2000 Land Cruiser, 2000
Celica & Tundra)

- P1320 Igniter Circuit Malfunction No. 5 (1998-2000 Land Cruiser & 2000 Tundra)
- P1325 Igniter Circuit Malfunction No. 6 (1998-2000 Land Cruiser & 2000 Tundra)
- P1330 Igniter Circuit Malfunction No. 7 (1998-2000 Land Cruiser & 2000 Tundra)
- P1335 No CKP Sensor Signal Engine Running
- P1340 Igniter Circuit Malfunction No. 8 (1998-2000 Land Cruiser & 2000 Tundra)
- P1346 VVT Sensor /Camshaft Position Sensor Circuit Range/ Performance Problem (Bank 1)
- P1349 VVT System Malfunction
- P1400 Sub-Throttle Position Sensor Malfunction
- P1401 Sub-Throttle Position Sensor Range/Performance Problem
- P1405 Turbo Pressure Sensor Range/Performance Problem
- P1406 EGR Valve Position Sensor Circuit Malfunction
- P1411 EGR Valve Position Sensor Circuit Ranger/Performance
- P1500 Starter Signal Circuit Malfunction

- P1510 Boost Pressure Control Circuit Malfunction
- P1511 Boost Pressure Low Malfunction
- P1512 Boost Pressure High Malfunction
- P1520 Stop Lamp Switch Signal Malfunction
- P1565 Cruise Control Main Switch Circuit Malfunction
- P1600 ECM BATT Malfunction
- P1605 Knock Control CPU Malfunction
- P1630 Traction Control System Malfunction
- P1633 ECM Malfunction ECTS Circuit
- P1645 Body ECU Malfunction
- P1652 IACV Control Circuit Malfunction
- P1656 OCV Circuit Malfunction
- P1658 Waste Gate Valve Control Circuit Malfunction
- P1661 EGR Circuit Malfunction
- P1662 EGR By-Pass Valve Control Circuit Malfunction
- P1690 OCV Circuit Malfunction
- P1692 OCV Open Malfunction
- P1693 OCV Closed Malfunction

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VOLVO OBDII DTC

- P1101 Power Stage Group A
- P1307 Accelerometer signal
- P1308 Accelerometer signal
- P1326 Fault in engine control module (ECM) knock control circuit
- P1327 Fault in engine control module (ECM) knock control circuit
- P1328 Fault in engine control module (ECM) knock control circuit
- P1329 Fault in engine control module (ECM) knock control circuit
- P1401 Fault in engine control module (ECM) engine coolant temperature
(ECT)
- P1403 Fault in engine control module (ECM) control module box temperature
sensor
- P1404 Fault in engine control module (ECM) control module box temperature
sensor
- P1405 Temperature warning greater than 230 degrees F
- P1406 Temperature warning greater than 212 degrees F
- P1505 Idle air control (IAC) valve opening signal
- P1506 Idle air control (IAC) valve opening signal

- P1507 Idle air control (IAC) valve closing signal
- P1508 Idle air control (IAC) valve closing signal
- P1604 Ignition discharge module (1DM) group 0
- P1605 Ignition discharge module (1DM) group E
- P1617 Cable fault between AW 50-42 TCM and Motronic 4.4 ECM (lamp lights)
- P1618 Cable fault between AW 50-Q2 TCM and Motronic 4.4 ECM (lamp lights)
- P1619 Engine cooling fan (FC) low-speed signal
- P1620 Engine cooling fan (FC) low-speed signal
- P1621 Diagnostic trouble code (DIG) in automatic transmission control module (TCM)

VW OBDII DTC

- P1023 Fuel pressure control valve - short to earth
- P1024 Fuel pressure control valve - open circuit
- P1025 Fuel pressure control valve - mechanical fault
- P1026 Intake manifold air control solenoid - short to positive
- P1027 Intake manifold air control solenoid - short to earth
- P1028 Intake manifold air control solenoid - open circuit
- P1029 Intake manifold air control valve position sensor - upper limit not reached
- P1030 Intake manifold air control valve position sensor - lower limit not reached
- P1031 Intake manifold air control valve position sensor - specification not attained
- P1032 Nitrogen oxides (NOX) sensor - signal too high
- P1033 Nitrogen oxides (NOX) sensor - signal too low
- P1034 Nitrogen oxides (NOX) sensor - signal outside tolerance
- P1035 Nitrogen oxides (NOX) sensor - range/ performance problem
- P1036 Nitrogen oxides (NOX) heater sensor - short to

- P1037 Nitrogen oxides (NOX) heater sensor - short to , earth
- P1038 Nitrogen oxides (NOX) heater sensor - open circuit
- P1039 Injector 1, supply voltage - short circuit
- P1040 Injector 1, supply voltage - circuit malfunction
- P1041 Injector 2, supply voltage - short circuit
- P1042 Injector 2, supply voltage - circuit malfunction
- P1043 Injector 3, supply voltage - short circuit
- P1044 Injector 3, supply voltage - circuit malfunction
- P1045 Injector 4, supply voltage - short circuit
- P1046 Injector 4, supply voltage - circuit malfunction
- P1047 Camshaft position (CMP) actuator, exhaust/right/rear, bank 1 - circuit malfunction
- P1048 Camshaft position (CMP) actuator, exhaust/right/rear, bank 1 - short to positive
- P1049 Camshaft position (CMP) actuator, exhaust/right/rear, bank 1 - short to earth
- P1050 Camshaft position (CMP) actuator, exhaust/right/rear, bank 1 - open circuit

- P1063 Fuel pressure - control limit not reached
- P1064 Fuel pressure - mechanical fault
- P1065 Fuel pressure - system deviation
- P1066 Intake manifold air control solenoid - short to positive
- P1067 Intake manifold air control solenoid - short to earth
- P1068 Intake manifold air control solenoid - open circuit
- P1069 Nitrogen oxides (NOX) sensor - heater control - short to earth
- P1070 Nitrogen oxides (NOX) sensor - heater control - short to positive
- P1071 Nitrogen oxides (NOX) sensor - heater control - incorrect signal
- P1072 Nitrogen oxides (NOX) sensor - heater control - circuit malfunction
- P1093 Mixture control (MC), bank 1 - malfunction
- P1101 O2 Sensor Circ.,Bank1-Sensor1 Voltage too Low/Air Leak
- P1102 O2 Sensor Heating Circ.,Bank1-Sensor1 Short to B+
- P1103 O2 Sensor Heating Circ.,Bank1-Sensor1 Output too Low
- P1104 Bank1-Sensor2 Voltage too Low/Air Leak
- P1105 O2 Sensor Heating Circ.,Bank1-Sensor2 Short to B+
- P1106 O2 Sensor Circ.,Bank2-Sensor1 Voltage too Low/Air Leak
- P1107 O2 Sensor Heating Circ.,Bank2-Sensor1 Short to B+

- P1108 O2 Sensor Heating Circ.,Bank2-Sensor1 Output too Low
- P1109 O2 Sensor Circ.,Bank2-Sensor2 Voltage too Low/Air Leak
- P1110 O2 Sensor Heating Circ.,Bank2-Sensor2 Short to B+
- P1111 O2 Control (Bank 1) System too lean
- P1112 O2 Control (Bank 1) System too rich
- P1113 Bank1-Sensor1 Internal Resistance too High
- P1114 Bank1-Sensor2 Internal Resistant too High
- P1115 O2 Sensor Heater Circ.,Bank1-Sensor1 Short to Ground
- P1116 O2 Sensor Heater Circ.,Bank1-Sensor1 Open
- P1117 O2 Sensor Heater Circ.,Bank1-Sensor2 Short to Ground
- P1118 O2 Sensor Heater Circ.,Bank1-Sensor2 Open
- P1119 O2 Sensor Heater Circ.,Bank2-Sensor1 Short to Ground
- P1120 O2 Sensor Heater Circ.,Bank2-Sensor1 Open
- P1121 O2 Sensor Heater Circ.,Bank2-Sensor2 Short to Ground
- P1122 O2 Sensor Heater Circ.,Bank2-Sensor2 Open
- P1123 Long Term Fuel Trim Add.Air.,Bank1 System too Rich
- P1124 Long Term Fuel Trim Add.Air.,Bank1 System too Lean
- P1125 Long Term Fuel Trim Add.Air.,Bank2 System too Rich

- P1126 Long Term Fuel Trim Add.Air.,Bank2 System too Lean
- P1127 Long Term Fuel Trim mult.,Bank1 System too Rich
- P1128 Long Term Fuel Trim mult.,Bank1 System too Lean
- P1129 Long Term Fuel Trim mult.,Bank2 System too Rich
- P1130 Long Term Fuel Trim mult.,Bank2 System too Lean
- P1131 Bank2-Sensor1 Internal Resistance too High
- P1132 O2 Sensor Heating Circ.,Bank1+2-Sensor1 Short to B+
- P1133 O2 Sensor Heating Circ.,Bank1+2-Sensor1 Electrical Malfunction
- P1134 O2 Sensor Heating Circ.,Bank1+2-Sensor2 Short to B+
- P1135 O2 Sensor Heating Circ.,Bank1+2-Sensor2 Electrical Malfunction
- P1136 Long Term Fuel Trim Add.Fuel,Bank1 System too Lean
- P1137 Long Term Fuel Trim Add.Fuel,Bank1 System too Rich
- P1138 Long Term Fuel Trim Add.Fuel,Bank2 System too Lean
- P1139 Long Term Fuel Trim Add.Fuel,Bank2 System too Rich
- P1140 Bank2-Sensor2 Internal Resistance too High
- P1141 Load Calculation Cross Check Range/Performance
- P1142 Load Calculation Cross Check Lower Limit Exceeded
- P1143 Load Calculation Cross Check Upper Limit Exceeded

- P1144 Mass or Volume Air Flow Circ Open/Short to Ground
- P1145 Mass or Volume Air Flow Circ Short to B+
- P1146 Mass or Volume Air Flow Circ Supply Malfunction
- P1147 O2 Control (Bank 2) System too lean
- P1148 O2 Control (Bank 2) System too rich
- P1149 O2 Control (Bank 1) Out of range
- P1150 O2 Control (Bank 2) Out of range
- P1151 Bank1, Long Term Fuel Trim, Range 1 Leanness Lower Limit Exceeded
- P1152 Bank1, Long Term Fuel Trim, Range 2 Leanness Lower Limit Exceeded
- P1153 Heated oxygen sensor (HO2S) 2, banks 1 & 2 'interchanged
- P1154 Manifold Switch Over Malfunction
- P1155 Manifold Abs.Pressure Sensor Circ. Short to B+
- P1156 Manifold Abs.Pressure Sensor Circ. Open/Short to Ground
- P1157 Manifold Abs.Pressure Sensor Circ. Power Supply Malfunction
- P1158 Manifold Abs.Pressure Sensor Circ. Range/Performance
- P1159 Mass air flow (MAF) sensor, banks 1 & 2 - implausible ratio

- P1160 Manifold Temp.Sensor Circ. Short to Ground
- P1161 Manifold Temp.Sensor Circ. Open/Short to B+
- P1162 Fuel Temp.Sensor Circ. Short to Ground
- P1163 Fuel Temp.Sensor Circ. Open/Short to B+
- P1164 Fuel Temperature Sensor Range/Performance/Incorrect Signal
- P1165 Bank1, Long Term Fuel Trim, Range 1 Rich Limit Exceeded
- P1166 Bank1, Long Term Fuel Trim, Range 2 Rich Limit Exceeded
- P1167 Mass air flow (MAF) sensor, bank 2 - range/ performance problem
- P1168 Mass air flow (MAF) sensor, bank 2 - low input
- P1169 Mass air flow (MAF) sensor, bank 2 - high input
- P1170 Mass air flow (MAF) sensor, bank 2 - supply voltage
- P1171 Throttle Actuation Potentiometer Sign.2 Range/Performance
- P1172 Throttle Actuation Potentiometer Sign.2 Signal too Low
- P1173 Throttle Actuation Potentiometer Sign.2 Signal too High
- P1174 Fuel Trim, Bank 1 Different injection times
- P1176 O2 Correction Behind Catalyst,B1 Limit Attained
- P1177 O2 Correction Behind Catalyst,B2 Limit Attained
- P1178 Linear O2 Sensor / Pump Current Open Circuit

- P1179 Linear O2 Sensor / Pump Current Short to ground
- P1180 Linear O2 Sensor / Pump Current Short to B+
- P1181 Linear O2 Sensor / Reference Voltage Open Circuit
- P1182 Linear O2 Sensor / Reference Voltage Short to ground
- P1183 Linear O2 Sensor / Reference Voltage Short to B+
- P1184 Linear O2 Sensor / Common Ground Wire Open Circuit
- P1185 Linear O2 Sensor / Common Ground Wire Short to ground
- P1186 Linear O2 Sensor / Common Ground Wire Short to B+
- P1187 Linear O2 Sensor / Compens. Resistor Open Circuit
- P1188 Linear O2 Sensor / Compens. Resistor Short to ground
- P1189 Linear O2 Sensor / Compens. Resistor Short to B+
- P1190 Linear O2 Sensor / Reference Voltage Incorrect Signal
- P1191 Heated oxygen sensor (HO2S) 1, banks 1 & 2 -interchanged
- P1192 Fuel pressure sensor - supply voltage
- P1193 Fuel pressure sensor - open circuit/short to positive
- P1194 Fuel pressure control valve - short to positive
- P1195 Fuel pressure control valve - open circuit/short to earth
- P1196 O2 Sensor Heater Circ.,Bank1-Sensor1 Electrical Malfunction

- P1197 O2 Sensor Heater Circ.,Bank2-Sensor1 Electrical Malfunction
- P1198 O2 Sensor Heater Circ.,Bank1-Sensor2 Electrical Malfunction
- P1199 O2 Sensor Heater Circ.,Bank2-Sensor2 Electrical Malfunction
- P1201 Cyl.1-Fuel Inj.Circ. Electrical Malfunction
- P1202 Cyl.2-Fuel Inj.Circ. Electrical Malfunction
- P1203 Cyl.3-Fuel Inj.Circ. Electrical Malfunction
- P1204 Cyl.4-Fuel Inj.Circ. Electrical Malfunction
- P1205 Cyl.5-Fuel Inj.Circ. Electrical Malfunction
- P1206 Cyl.6-Fuel Inj.Circ. Electrical Malfunction
- P1207 Cyl.7-Fuel Inj.Circ. Electrical Malfunction
- P1208 Cyl.8-Fuel Inj.Circ. Electrical Malfunction
- P1209 Intake valves for cylinder shut-off Short circuit to ground
- P1210 Intake valves for cylinder shut-off Short to B+
- P1211 Intake valves for cylinder shut-off Open circuit
- P1213 Cyl.1-Fuel Inj.Circ. Short to B+
- P1214 Cyl.2-Fuel Inj.Circ. Short to B+
- P1215 Cyl.3-Fuel Inj.Circ. Short to B+
- P1216 Cyl.4-Fuel Inj.Circ. Short to B+

- P1217 Cyl.5-Fuel Inj.Circ. Short to B+
- P1218 Cyl.6-Fuel Inj.Circ. Short to B+
- P1219 Cyl.7-Fuel Inj.Circ. Short to B+
- P1220 Cyl.8-Fuel Inj.Circ. Short to B+
- P1221 Cylinder shut-off exhaust valves Short circuit to ground
- P1222 Cylinder shut-off exhaust valves Short to B+
- P1223 Cylinder shut-off exhaust valves Open circuit
- P1225 Cyl.1-Fuel Inj.Circ. Short to Ground
- P1226 Cyl.2-Fuel Inj.Circ. Short to Ground
- P1227 Cyl.3-Fuel Inj.Circ. Short to Ground
- P1228 Cyl.4-Fuel Inj.Circ. Short to Ground
- P1229 Cyl.5-Fuel Inj.Circ. Short to Ground
- P1230 Cyl.6-Fuel Inj.Circ. Short to Ground
- P1231 Cyl.7-Fuel Inj.Circ. Short to Ground
- P1232 Cyl.8-Fuel Inj.Circ. Short to Ground
- P1237 Cyl.1-Fuel Inj.Circ. Open Circ.
- P1238 Cyl.2-Fuel Inj.Circ. Open Circ.
- P1239 Cyl.3-Fuel Inj.Circ. Open Circ.

- P1240 Cyl.4-Fuel Inj.Circ. Open Circ.
- P1241 Cyl.5-Fuel Inj.Circ. Open Circ.
- P1242 Cyl.6-Fuel Inj.Circ. Open Circ.
- P1243 Cyl.7-Fuel Inj.Circ. Open Circ.
- P1244 Cyl.8-Fuel Inj.Circ. Open Circ.
- P1245 Needle Lift Sensor Circ. Short to Ground
- P1246 Needle Lift Sensor Circ. Range/Performance
- P1247 Needle Lift Sensor Circ. Open/Short to B+
- P1248 Injection Start Control Deviation
- P1249 Fuel consumption signal Electrical Fault in Circuit
- P1250 Fuel Level Too Low
- P1251 Start of Injection Solenoid Circ Short to B+
- P1252 Start of Injection Solenoid Circ Open/Short to Ground
- P1253 Fuel consumption signal Short to ground
- P1254 Fuel consumption signal Short to B+
- P1255 Engine Coolant Temp.Circ Short to Ground
- P1256 Engine Coolant Temp.Circ Open/Short to B+
- P1257 Engine Coolant System Valve Open

- P1258 Engine Coolant System Valve Short to B+
- P1259 Engine Coolant System Valve Short to Ground
- P1260 Injector 1 - implausible signal
- P1261 Injector 1 - control limit exceeded
- P1262 Injector 1 - control limit not reached
- P1263 Injector 2 - implausible signal
- P1264 Injector 2 - control limit exceeded
- P1265 Injector 2 - control limit not reached
- P1266 Injector 3 - implausible signal
- P1267 Injector 3 - control limit exceeded
- P1268 Injector 3 - control limit not reached
- P1269 Injector 4 - implausible signal
- P1270 Injector 4 - control limit exceeded
- P1271 Injector 4 - control limit not reached
- P1278 Fuel metering solenoid - short to positive
- P1279 Fuel metering solenoid - open circuit/short to earth
- P1280 Fuel Inj.Air Contr.Valve Circ. Flow too Low
- P1281 Fuel metering solenoid - short to earth

- P1282 Fuel metering solenoid - open circuit
- P1283 Fuel Inj.Air Contr.Valve Circ. Electrical Malfunction
- P1284 Fuel Inj.Air Contr.Valve Circ. Open
- P1285 Fuel Inj.Air Contr.Valve Circ. Short to Ground
- P1286 Fuel Inj.Air Contr.Valve Circ. Short to B+
- P1287 Turbocharger bypass valve open
- P1288 Turbocharger bypass valve short to B+
- P1289 Turbocharger bypass valve short to ground
- P1290 Engine coolant temperature (ECT) sensor, ECM controlled cooling system - high input
- P1291 Engine coolant temperature (ECT) sensor, ECM controlled cooling system - high input
- P1292 Engine coolant thermostat - open circuit
- P1293 Engine coolant thermostat - short to positive
- P1294 Engine coolant thermostat - short to earth
- P1295 Turbocharger (TC), bypass - flow malfunction
- P1296 Cooling system malfunction
- P1297 Connection turbocharger - throttle valve pressure hose

- P1299 Fuel metering solenoid - circuit malfunction
- P1300 Misfire detected Reason: Fuel level too low
- P1319 Knock Sensor 1 Circ. Short to Ground
- P1320 Knock Sensor 2 Circ. Short to Ground
- P1321 Knock Sensor 3 Circ. Low Input
- P1322 Knock Sensor 3 Circ. High Input
- P1323 Knock Sensor 4 Circ. Low Input
- P1324 Knock Sensor 4 Circ. High Input
- P1325 Cyl.1-Knock Contr. Limit Attained
- P1326 Cyl.2-Knock Contr. Limit Attained
- P1327 Cyl.3-Knock Contr. Limit Attained
- P1328 Cyl.4-Knock Contr. Limit Attained
- P1329 Cyl.5-Knock Contr. Limit Attained
- P1330 Cyl.6-Knock Contr. Limit Attained
- P1331 Cyl.7-Knock Contr. Limit Attained
- P1332 Cyl.8-Knock Contr. Limit Attained
- P1335 Engine Torque Monitoring 2 Control Limint Exceeded
- P1336 Engine Torque Monitoring Adaptation at limit

- P1337 Camshaft Pos.Sensor,Bank1 Short to Ground
- P1338 Camshaft Pos.Sensor,Bank1 Open Circ./Short to B+
- P1339 Crankshaft Pos./Engine Speed Sensor Cross Connected
- P1340 Crankshaft-/Camshaft Pos.Sens.Signals Out of Sequence
- P1341 Ignition Coil Power Output Stage 1 Short to Ground
- P1342 Ignition Coil Power Output Stage 1 Short to B+
- P1343 Ignition Coil Power Output Stage 2 Short to Ground
- P1344 Ignition Coil Power Output Stage 2 Short to B+
- P1345 Ignition Coil Power Output Stage 3 Short to Ground
- P1346 Ignition Coil Power Output Stage 3 Short to B+
- P1347 Bank2,Crankshaft-/Camshaft os.Sens.Sign. Out of Sequence
- P1348 Ignition Coil Power Output Stage 1 Open Circuit
- P1349 Ignition Coil Power Output Stage 2 Open Circuit
- P1350 Ignition Coil Power Output Stage 3 Open Circuit
- P1351 Camshaft position (CMP) sensor, bank 1 - range/performance problem
- P1354 Modulation Piston Displ.Sensor Circ. Malfunction
- P1355 Cyl. 1, ignition circuit Open Circuit
- P1356 Cyl. 1, ignition circuit Short to B+

- P1357 Cyl. 1, ignition circuit Short to ground
- P1358 Cyl. 2, ignition circuit Open Circuit
- P1359 Cyl. 2, ignition circuit Short Circuit to B+
- P1360 Cyl. 2, ignition circuit Short Circuit to Ground
- P1361 Cyl. 3, ignition circuit Open Circuit
- P1362 Cyl. 3, ignition circuit Short Circuit to B+
- P1363 Cyl. 3, ignition circuit Short Circuit to ground
- P1364 Cyl. 4 ignition circuit Open Circuit
- P1365 Cyl. 4 ignition circuit Short circuit to B+
- P1366 Cyl. 4 ignition circuit Short circuit to ground
- P1367 Cyl. 5, ignition circuit Open Circuit
- P1368 Cyl. 5, ignition circuit Short Circuit to B+
- P1369 Cyl. 5, ignition circuit short to ground
- P1370 Cyl. 6, ignition circuit Open Circuit
- P1371 Cyl. 6, ignition circuit Short Circuit to B+
- P1372 Cyl. 6, ignition circuit short to ground
- P1373 Cyl. 7, ignition circuit Open Circuit
- P1374 Cyl. 7, ignition circuit Short Circuit to B+

- P1375 Cyl. 7, ignition circuit short to ground
- P1376 Cyl. 8, ignition circuit Open Circuit
- P1377 Cyl. 8, ignition circuit Short Circuit to B+
- P1378 Cyl. 8, ignition circuit short to ground
- P1385 Engine control module (ECM) - defective
- P1386 Internal Control Module Knock Control Circ.Error
- P1387 Internal Contr. Module altitude sensor error
- P1388 Internal Contr. Module drive by wire error
- P1389 Engine control module (ECM) 2 - defective
- P1391 Camshaft Pos.Sensor,Bank2 Short to Ground
- P1392 Camshaft Pos.Sensor,Bank2 Open Circ./Short to B+
- P1393 Ignition Coil Power Output Stage 1 Electrical Malfunction
- P1394 Ignition Coil Power Output Stage 2 Electrical Malfunction
- P1395 Ignition Coil Power Output Stage 3 Electrical Malfunction
- P1396 Engine Speed Sensor Missing Tooth
- P1397 Engine speed wheel Adaptation limit reached
- P1398 Engine RPM signal, TD Short to ground
- P1399 Engine RPM signal, TD Short Circuit to B+

- P1400 EGR Valve Circ Electrical Malfunction
- P1401 EGR Valve Circ Short to Ground
- P1402 EGR Valve Circ Short to B+
- P1403 EGR Flow Deviation
- P1404 EGR Flow Basic Setting not carried out
- P1406 EGR Temp.Sensor Range/Performance
- P1407 EGR Temp.Sensor Signal too Low
- P1408 EGR Temp.Sensor Signal too High
- P1409 Tank Ventilation Valve Circ. Electrical Malfunction
- P1410 Tank Ventilation Valve Circ. Short to B+
- P1411 Sec.Air Inj.Sys.,Bank2 Flow too Flow
- P1412 EGR Different.Pressure Sensor Signal too Low
- P1413 EGR Different.Pressure Sensor Signal too High
- P1414 Sec.Air Inj.Sys.,Bank2 Leak Detected
- P1415 Exhaust gas recirculation (EGR) valve position sensor - lower limit exceeded
- P1416 Exhaust gas recirculation (EGR) valve position sensor - upper limit exceeded

- P1417 Fuel Level Sensor Circ Signal too Low
- P1418 Fuel Level Sensor Circ Signal too High
- P1420 Sec.Air Inj.Valve Circ Electrical Malfunction
- P1421 Sec.Air Inj.Valve Circ Short to Ground
- P1422 Sec.Air Inj.Sys.Contr.Valve Circ Short to B+
- P1423 Sec.Air Inj.Sys.,Bank1 Flow too Low
- P1424 Sec.Air Inj.Sys.,Bank1 Leak Detected
- P1425 Tank Vent.Valve Short to Ground
- P1426 Tank Vent.Valve Open
- P1427 Vacuum pump, brakes - short to positive
- P1428 Vacuum pump, brakes - short to earth
- P1429 Vacuum pump, brakes - open circuit
- P1430 Vacuum pump, brakes - open circuit/short to positive
- P1431 Vacuum pump, brakes - open circuit/short to earth
- P1432 Sec.Air Inj.Valve Open
- P1433 Sec.Air Inj.Sys.Pump Relay Circ. open
- P1434 Sec.Air Inj.Sys.Pump Relay Circ. Short to B+
- P1435 Sec.Air Inj.Sys.Pump Relay Circ. Short to ground

- P1436 Sec.Air Inj.Sys.Pump Relay Circ. Electrical Malfunction
- P1437 Exhaust gas recirculation (EGR) valve/solenoid, bank 2 - short to positive
- P1438 Exhaust gas recirculation (EGR) valve/solenoid, bank 2 - open circuit/short to earth
- P1439 EGR Potentiometer Error in Basic Setting
- P1440 EGR Valve Power Stage Open
- P1441 EGR Valve Circ Open/Short to Ground
- P1442 EGR Valve Position Sensor Signal too high
- P1443 EGR Valve Position Sensor Signal too low
- P1444 EGR Valve Position Sensor range/performance
- P1445 Catalyst Temp.Sensor 2 Circ. Range/Performance
- P1446 Catalyst Temp.Circ Short to Ground
- P1447 Catalyst Temp.Circ Open/Short to B+
- P1448 Catalyst Temp.Sensor 2 Circ. Short to Ground
- P1449 Catalyst Temp.Sensor 2 Circ. Open/Short to B+
- P1450 Sec.Air Inj.Sys.Circ Short to B+
- P1451 Sec.Air Inj.Sys.Circ Short to Ground

- P1452 Sec.Air Inj.Sys. Open Circ.
- P1453 Exhaust gas temperature sensor 1 open/short to B+
- P1454 Exhaust gas temperature sensor short 1 to ground
- P1455 Exhaust gas temperature sensor 1 range/performance
- P1456 Exhaust gas temperature control bank 1 limit attained
- P1457 Exhaust gas temperature sensor 2 open/short to B+
- P1458 Exhaust gas temperature sensor 2 short to ground
- P1459 Exhaust gas temperature sensor 2 range/performance
- P1460 Exhaust gas temperature control bank 2 limit attained
- P1461 Exhaust gas temperature control bank 1 Range/Performance
- P1462 Exhaust gas temperature control bank 2 Range/Performance
- P1465 Additive Pump Short Circuit to B+
- P1466 Additive Pump Open/Short to Ground
- P1467 EVAP Canister Purge Solenoid Valve Short Circuit to B+
- P1468 EVAP Canister Purge Solenoid Valve Short Circuit to Ground
- P1469 EVAP Canister Purge Solenoid Valve Open Circuit
- P1470 EVAP Emission Contr.LDP Circ Electrical Malfunction
- P1471 EVAP Emission Contr.LDP Circ Short to B+

- P1472 EVAP Emission Contr.LDP Circ Short to Ground
- P1473 EVAP Emission Contr.LDP Circ Open Circ.
- P1474 EVAP Canister Purge Solenoid Valve electrical malfunction
- P1475 EVAP Emission Contr.LDP Circ Malfunction/Signal Circ.Open
- P1476 EVAP Emission Contr.LDP Circ Malfunction/Insufficient Vacuum
- P1477 EVAP Emission Contr.LDP Circ Malfunction
- P1478 EVAP Emission Contr.LDP Circ Clamped Tube Detected
- P1479 Vacuum system, brakes - mechanical fault
- P1500 Fuel Pump Relay Circ. Electrical Malfunction
- P1501 Fuel Pump Relay Circ. Short to Ground
- P1502 Fuel Pump Relay Circ. Short to B+
- P1503 Load signal from Alternator Term. DF Range/performance/Incorrect
Signal
- P1504 Intake Air Sys.Bypass Leak Detected
- P1505 Closed Throttle Pos. Does Not Close/Open Circ
- P1506 Closed Throttle Pos.Switch Does Not Open/Short to Ground
- P1507 Idle Sys.Learned Value Lower Limit Attained
- P1508 Idle Sys.Learned Value Upper Limit Attained

- P1509 Idle Air Control Circ. Electrical Malfunction
- P1510 Idle Air Control Circ. Short to B+
- P1511 Intake Manifold Changeover Valve circuit electrical malfunction
- P1512 Intake Manifold Changeover Valve circuit Short to B+
- P1513 Intake Manifold Changeover Valve2 circuit Short to B+
- P1514 Intake Manifold Changeover Valve2 circuit Short to ground
- P1515 Intake Manifold Changeover Valve circuit Short to Ground
- P1516 Intake Manifold Changeover Valve circuit Open
- P1517 Main Relay Circ. Electrical Malfunction
- P1518 Main Relay Circ. Short to B+
- P1519 Intake Camshaft Contr.,Bank1 Malfunction
- P1520 Intake Manifold Changeover Valve2 circuit Open
- P1521 Intake Manifold Changeover Valve2 circuit electrical malfunction
- P1522 Intake Camshaft Contr.,Bank2 Malfunction
- P1523 Crash Signal from Airbag Control Unit range/performance
- P1524 Fuel pump relay - open circuit/short to earth
- P1525 Intake Camshaft Contr.Circ.,Bank1 Electrical Malfunction
- P1526 Intake Camshaft Contr.Circ.,Bank1 Short to B+

- P1527 Intake Camshaft Contr.Circ.,Bank1 Short to Ground
- P1528 Intake Camshaft Contr.Circ.,Bank1 Open
- P1529 Camshaft Control Circuit Short to B+
- P1530 Camshaft Control Circuit Short to ground
- P1531 Camshaft Control Circuit open
- P1532 Idle control - lean running speed below specification
- P1533 Intake Camshaft Contr.Circ.,Bank2 Electrical Malfunction
- P1534 Intake Camshaft Contr.Circ.,Bank2 Short to B+
- P1535 Intake Camshaft Contr.Circ.,Bank2 Short to Ground
- P1536 Intake Camshaft Contr.Circ.,Bank2 Open
- P1537 Engine Shutoff Solenoid Malfunction
- P1538 Engine Shutoff Solenoid Open/Short to Ground
- P1539 Clutch Vacuum Vent Valve Switch Incorrect signal
- P1540 Vehicle Speed Sensor High Input
- P1541 Fuel Pump Relay Circ Open
- P1542 Throttle Actuation Potentiometer Range/Performance
- P1543 Throttle Actuation Potentiometer Signal too Low
- P1544 Throttle Actuation Potentiometer Signal too High

- P1545 Throttle Pos.Contr Malfunction
- P1546 Boost Pressure Contr.Valve Short to B+
- P1547 Boost Pressure Contr.Valve Short to Ground
- P1548 Boost Pressure Contr.Valve Open
- P1549 Boost Pressure Contr.Valve Short to Ground
- P1550 Charge Pressure Deviation
- P1551 Barometric Pressure Sensor Circ. Short to B+
- P1552 Barometric Pressure Sensor Circ. Open/Short to Ground
- P1553 Barometric/manifold pressure signal ratio out of range
- P1554 Idle Speed Contr.Throttle Pos. Basic Setting Conditions not met
- P1555 Charge Pressure Upper Limit exceeded
- P1556 Charge Pressure Contr. Negative Deviation
- P1557 Charge Pressure Contr. Positive Deviation
- P1558 Throttle Actuator Electrical Malfunction
- P1559 Idle Speed Contr.Throttle Pos. Adaptation Malfunction
- P1560 Maximum Engine Speed Exceeded
- P1561 Quantity Adjuster Deviation
- P1562 Quantity Adjuster Upper Limit Attained

- P1563 Quantity Adjuster Lower Limit Attained
- P1564 Idle Speed Contr.Throttle Pos. Low Voltage During Adaptation
- P1565 Idle Speed Control Throttle Position lower limit not attained
- P1566 Load signal from A/C compressor range/performance
- P1567 Load signal from A/C compressor no signal
- P1568 Idle Speed Contr.Throttle Pos. mechanical Malfunction
- P1569 Cruise control switch Incorrect signal
- P1570 Contr.Module Locked
- P1571 Left Eng. Mount Solenoid Valve Short to B+
- P1572 Left Eng. Mount Solenoid Valve Short to ground
- P1573 Left Eng. Mount Solenoid Valve Open circuit
- P1574 Left Eng. Mount Solenoid Valve Electrical fault in circuit
- P1575 Right Eng. Mount Solenoid Valve Short to B+
- P1576 Right Eng. Mount Solenoid Valve Short to ground
- P1577 Right Eng. Mount Solenoid Valve Open circuit
- P1578 Right Eng. Mount Solenoid Valve Electrical fault in circuit
- P1579 Idle Speed Contr.Throttle Pos. Adaptation not started
- P1580 Throttle Actuator B1 Malfunction

- P1581 Idle Speed Contr.Throttle Pos. Basic Setting Not Carried Out
- P1582 Idle Adaptation at Limit
- P1583 Transmission mount valves Short to B+
- P1584 Transmission mount valves Short to ground
- P1585 Transmission mount valves Open circuit
- P1586 Engine mount solenoid valves Short to B+
- P1587 Engine mount solenoid valves Short to ground
- P1588 Engine mount solenoid valves Open circuit
- P1589 AC/heater air temperature control switch - short to earth
- P1590 AC/heater air temperature control switch - open circuit
- P1592 Barometric pressure (BARO) sensor/manifold absolute pressure (MAP) sensor -- implausible ratio
- P1593 Altitude adaption - signal outside tolerance
- P1599 Idle control - lean running speed above specification
- P1600 Power Supply (B+) Terminal 15 Low Voltage
- P1601 Engine control module (ECM) - supply voltage
- P1602 Power Supply (B+) Terminal 30 Low Voltage

- P1603 Internal Control Module Malfunction
- P1604 Internal Control Module Driver Error
- P1605 Rough Road/Acceleration Sensor Electrical Malfunction
- P1606 Rough Road Spec Engine Torque ABS-ECU Electrical Malfunction
- P1607 Vehicle speed signal Error message from instrument cluster
- P1608 Steering angle signal Error message from steering angle sensor
- P1609 Crash shut-down activated
- P1610 Engine control module (ECM) - defective
- P1611 MIL Call-up Circ./Transm.Contr.Module Short to Ground
- P1612 Electronic Control Module Incorrect Coding
- P1613 MIL Call-up Circ Open/Short to B+
- P1614 MIL Call-up Circ./Transm.Contr.Module Range/Performance
- P1615 Engine Oil Temperature Sensor Circuit range/performance
- P1616 Glow Plug/Heater Indicator Circ. Short to B+
- P1617 Glow Plug/Heater Indicator Circ. Open/Short to Ground
- P1618 Glow Plug/Heater Relay Circ. Short to B+
- P1619 Glow Plug/Heater Relay Circ. Open/Short to Ground
- P1620 Engine coolant temperature signal open/short to B+

- P1621 Engine coolant temperature signal short to ground
- P1622 Engine coolant temperature signal range/performance
- P1623 Data Bus Powertrain No Communication
- P1624 MIL Request Sign.active
- P1625 Data-Bus Powertrain Unplausible Message from Transm.Contr.
- P1626 Data-Bus Powertrain Missing Message from Transm.Contr.
- P1627 Data-Bus Powertrain missing message from fuel injection pump
- P1628 Data-Bus Powertrain missing message from steering sensor
- P1629 Data-Bus Powertrain missing message from distance control
- P1630 Accelera.Pedal Pos.Sensor 1 Signal too Low
- P1631 Accelera.Pedal Pos.Sensor 1 Signal too High
- P1632 Accelera.Pedal Pos.Sensor 1 Power Supply Malfunction
- P1633 Accelera.Pedal Pos.Sensor 2 Signal too Low
- P1634 Accelera.Pedal Pos.Sensor 2 Signal too High
- P1635 Data Bus Powertrain missing message f.air condition control
- P1636 Data Bus Powertrain missing message from Airbag control
- P1637 Data Bus Powertrain missing message f.central electr.control
- P1638 Data Bus Powertrain missing message from clutch control

- P1639 Accelera.Pedal Pos.Sensor 1+2 Range/Performance
- P1640 Internal Contr.Module (EEPROM) Error
- P1641 Please check DTC Memory of Air Condition ECU
- P1642 Please check DTC Memory of Airbag ECU
- P1643 Please check DTC Memory of central electric ECU
- P1644 Please check DTC Memory of clutch ECU
- P1645 Data Bus Powertrain missing message f.all wheel drive contr.
- P1646 Please Check DTC Memory of all wheel drive ECU
- P1647 Please check coding of ECUs in Data Bus Powertrain
- P1648 Data Bus Powertrain Malfunction
- P1649 Data Bus Powertrain Missing message from ABS Control Module
- P1650 Data Bus Powertrain Missing message fr.instrument panel ECU
- P1651 Data Bus Powertrain missing messages
- P1652 Please check DTC Memory of transmission ECU
- P1653 Please check DTC Memory of ABS Control Module
- P1654 Please check DTC Memory of control panel ECU
- P1655 Please check DTC Memory of ADR Control Module
- P1656 A/C clutch relay circuit short to ground

- P1657 A/C clutch relay circuit short to B+
- P1658 Data Bus Powertrain Incorrect signal from ADR Control Module
- P1659 Engine coolant blower motor, speed 1 - short to positive
- P1660 Engine coolant blower motor, speed 1 - short to earth
- P1661 Engine coolant blower motor, speed 2 - short to positive
- P1662 Engine coolant blower motor, speed 2 - short to earth
- P1663 Injector, activation - short to positive
- P1664 Injector, activation - current circuit
- P1665 Injector - mechanical fault
- P1666 Injector 1 - current circuit
- P1667 Injector 2 - current circuit
- P1668 Injector 3 - current circuit
- P1669 Injector 4 - current circuit
- P1672 Engine coolant blower motor, speed 1 - open circuit short to earth
- P1674 CAN data bus, instrumentation - incorrect signal
- P1676 Drive by Wire-MIL Circ. Electrical Malfunction
- P1677 Drive by Wire-MIL Circ. Short to B+
- P1678 Drive by Wire-MIL Circ. Short to Ground

- P1679 Drive by Wire-MIL Circ. Open
- P1680 Limp-home mode - active
- P1681 Contr.Unit Programming, Programming not Finished
- P1682 CAN data bus, ABS - implausible signal
- P1683 CAN data bus, SRS - implausible signal
- P1684 Contr.Unit Programming Communication Error
- P1686 Contr.Unit Error Programming Error
- P1690 Malfunction Indication Light Malfunction
- P1691 Malfunction Indication Light Open
- P1692 Malfunction Indication Light Short to Ground
- P1693 Malfunction Indication Light Short to B+
- P1694 Malfunction Indication Light Open/Short to Ground
- P1696 CAN data bus, steering column electronics - incorrect signal
- P1704 Kick Down Switch Malfunction
- P1705 Gear/Ratio Monitoring Adaptation limit reached
- P1711 Wheel Speed Signal 1 Range/Performance
- P1716 Wheel Speed Signal 2 Range/Performance
- P1721 Wheel Speed Signal 3 Range/Performance

- P1723 Starter Interlock Circ. Open
- P1724 Starter Interlock Circ. Short to Ground
- P1726 Wheel Speed Signal 4 Range/Performance
- P1728 Different Wheel Speed Signals Range/Performance
- P1729 Starter Interlock Circ. Short to B+
- P1730 Tiptronic switch, R-F189 short to earth
- P1733 Tiptronic Switch Down Circ. Short to Ground
- P1739 Tiptronic Switch up Circ. Short to Ground
- P1740 Clutch temperature control
- P1741 Clutch pressure adaptation at limit
- P1742 Clutch torque adaptation at limit
- P1743 Clutch slip control signal too high
- P1744 Tiptronic Switch Recognition Circ. Short to Ground
- P1745 Solenoid valves ,supply voltage Short to B+
- P1746 Transm.Contr.Unit Relay Malfunction
- P1747 Transm.Contr.Unit Relay Open/Short to Ground
- P1748 Transm.Contr.Unit Self-Check
- P1749 Transm.Contr.Unit Incorrect Coded

- P1750 Power Supply Voltage Low Voltage
- P1751 Power Supply Voltage High Voltage
- P1752 Power Supply Malfunction
- P1760 Shift Lock Malfunction
- P1761 Shift Lock Short to Ground
- P1762 Shift Lock Short to B+
- P1763 Shift Lock Open
- P1764 Transmission temperature control
- P1765 Hydraulic Pressure Sensor 2 adaptation at limit
- P1766 Throttle Angle Signal Stuck Off
- P1767 Throttle Angle Signal Stuck On
- P1768 Hydraulic Pressure Sensor 2 Too High
- P1769 Hydraulic Pressure Sensor 2 Too Low
- P1770 Load Signal Range/Performance
- P1771 Load Signal Stuck Off
- P1772 Load Signal Stuck On
- P1773 Hydraulic Pressure Sensor 1 Too High
- P1774 Hydraulic Pressure Sensor 1 Too Low

- P1775 Hydraulic Pressure Sensor 1 adaptation at limit
- P1776 Hydraulic Pressure Sensor 1 range/performance
- P1777 Hydraulic Pressure Sensor 2 range/performance
- P1778 Solenoid EV7 Electrical Malfunction
- P1781 Engine Torque Reduction Open/Short to Ground
- P1782 Engine Torque Reduction Short to B+
- P1784 Shift up/down Wire Open/Short to Ground
- P1785 Shift up/down Wire Short to B+
- P1786 Reversing Light Circ. Open
- P1787 Reversing Light Circ. Short to Ground
- P1788 Reversing Light Circ. Short to B+
- P1789 Idle Speed Intervention Circ. Error Message from Engine Contr.
- P1790 Transmission Range Display Circ. Open
- P1791 Transmission Range Display Circ. Short to Ground
- P1792 Transmission Range Display Circ. Short to B+
- P1793 Output Speed Sensor 2 Circ. No Signal
- P1795 Vehicle Speed Signal Circ. Open
- P1796 Vehicle Speed Signal Circ. Short to Ground

- P1797 Vehicle Speed Signal Circ. Short to B+
- P1798 Output Speed Sensor 2 Circ. Range/Performance
- P1799 Output Speed Sensor 2 Circ. Rpm too High
- P1813 Pressure Contr.Solenoid 1 Electrical
- P1814 Pressure Contr.Solenoid 1 Open/Short to Ground
- P1815 Pressure Contr.Solenoid 1 Short to B+
- P1818 Pressure Contr.Solenoid 2 Electrical
- P1819 Pressure Contr.Solenoid 2 Open/Short to Ground
- P1820 Pressure Contr.Solenoid 2 Short to B+
- P1823 Pressure Contr.Solenoid 3 Electrical
- P1824 Pressure Contr.Solenoid 3 Open/Short to Ground
- P1825 Pressure Contr.Solenoid 3 Short to B+
- P1828 Pressure Contr.Solenoid 4 Electrical
- P1829 Pressure Contr.Solenoid 4 Open/Short to Ground
- P1830 Pressure Contr.Solenoid 4 Short to B+
- P1834 Pressure Contr.Solenoid 5 Open/Short to Ground
- P1835 Pressure Contr.Solenoid 5 Short to B+
- P1841 Engine/Transmission Control Modules Versions do not match

- P1842 Please check DTC Memory of instrument panel ECU
- P1843 Please check DTC Memory of ADR Control Module
- P1844 Please check DTC Memory of central electric control ECU
- P1847 Please check DTC Memory of brake system ECU
- P1848 Please check DTC Memory of engine ECU
- P1849 Please check DTC Memory of transmission ECU
- P1850 Data-Bus Powertrain Missing Message from Engine Contr.
- P1851 Data-Bus Powertrain Missing Message from Brake Contr.
- P1852 Data-Bus Powertrain Unplausible Message from Engine Contr.
- P1853 Data-Bus Powertrain Unplausible Message from Brake Contr.
- P1854 Data-Bus Powertrain Hardware Defective
- P1855 Data-Bus Powertrain Software version Contr.
- P1856 Throttle/Pedal Pos.Sensor A Circ. Error Message from Engine Contr.
- P1857 Load Signal Error Message from Engine Contr.
- P1858 Engine Speed Input Circ. Error Message from Engine Contr.
- P1859 Brake Switch Circ. Error Message from Engine Contr.
- P1860 Kick Down Switch Error Message from Engine Contr.
- P1861 Throttle Position (TP) sensor Error Message from ECM

- P1862 Data Bus Powertrain Missing message from instr. panel ECU
- P1863 Data Bus Powertrain Missing Message from St. Angle Sensor
- P1864 Data Bus Powertrain Missing message from ADR control module
- P1865 Data Bus Powertrain Missing message from central electronics
- P1866 Data Bus Powertrain Missing messages
- P1900 Engine coolant blower motor, speed 2 - open circuit short to earth
- P1901 Engine coolant blower motor run-on relay - short to positive
- P1902 Engine coolant blower motor run-on relay - open circuit/short to earth
- P1903 Engine coolant hydraulic blower motor solenoid - short to positive
- P1904 Engine coolant hydraulic blower motor solenoid - open circuit/short to earth
- P1905 Charge air coolant pump relay - short to positive
- P1906 Charge air coolant pump relay - open circuit/short to earth
- P1907 Data bus, ECM 1/2 - defective
- P1908 Data bus, ECM 1/2 - software version monitoring
- P1909 Data bus, ECM 1/2 - no signal from ECM 1
- P1910 Data bus, ECM 1/2 - no signal from ECM 2
- P1911 Data bus, ECM 1/2 - circuit malfunction

- P1912 Brake servo pressure sensor - open circuit/short to positive
- P1913 Brake servo pressure sensor - short to earth
- P1914 Brake servo pressure sensor - range/ performance problem
- P1920 Engine mounting control solenoid banks 1 & 2 -open circuit/short to earth
- P1923 Engine control module (ECM) 2 - malfunction
- P3000 CAN data bus, instrumentation - glow plug warning lamp
- P3002 Accelerator pedal position (APP) sensor - transmission kick-down switch
- P3003 Engine coolant heater relay 1, low output
- P3005 Engine coolant heater relay 2, high output
- P3007 Camshaft position (CMP) sensor - no signal
- P3008 Camshaft position (CMP) sensor - signal limit exceeded
- P3009 Fuel cooling pump relay - short to positive
- P3010 Fuel cooling pump relay - open circuit/short to earth
- P3011 Fuel pump relay - short to positive
- P3012 Fuel pump relay - open circuit/short to earth
- P3013 Turbocharger (TC) waste gate regulating valve B - short to positive

- P3014 Turbocharger (TC) waste gate regulating valve B - open circuit/short to earth
- P3015 Fuel bypass valve - short to positive
- P3016 Fuel bypass valve - open circuit/short to earth
- P3040 Gear ratio - implausible
- P3041 CAN data bus, instrumentation - implausible ECT signal
- P3104 Intake manifold air control solenoid - short to positive
- P3105 Intake manifold air control solenoid - open circuit/short to earth