Volkswagen Engine and Transmission Codes

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P0 Code P1 Code P2 Code P3 Code U0 Code P-Hex Code

P0010	
	"A" Camshaft Position Actuator Circuit / Open, Bank 1
P0011	"A" Camshaft Position - Timing Over-Advanced or System Performance, Bank 1
P0012	"A" Camshaft Position - Timing Over-Retarded, Bank 1
P0013	"B" Camshaft Position - Actuator Circuit / Open, Bank 1
P0014	"B" Camshaft Position - Timing Over-Advanced or System Performance, Bank 1
P0015	"B" 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	"A" Camshaft Position Actuator Circuit / Open, Bank 2
P0021	"A" Camshaft Position - Timing Over-Advanced or System Performance, Bank 2
P0022	"A" Camshaft Position - Timing Over-Retarded, Bank 2
P0023	"B" Camshaft Position - Actuator Circuit / Open, Bank 2
P0024	"B" Camshaft Position - Timing Over-Advanced or System Performance, Bank 2
P0025	B Camshaft Position - Timing Over-Retarded, Bank 2
P0030	HO2S Heater Control Circuit, Bank 1 Sensor 1
P0031	HO2S Heater Control Circuit Low, Bank 1 Sensor 1
P0032	HO2S Heater Control Circuit High, Bank 1 Sensor 1
P0036	HO2S Heater Control Circuit, Bank 1 Sensor 2
P0037	HO2S Heater Control Circuit Low, Bank 1 Sensor 2
P0038	HO2S Heater Control Circuit High, Bank 1 Sensor 2
P0040	O2 Sensor Signals Swapped, Bank 1 Sensor 1/Bank 2 Sensor 1
P0041	O2 Sensor Signals Swapped, Bank 1 Sensor 2/ Bank 2 Sensor 2
P0042	HO2S Heater Control Circuit, Bank 1 Sensor 3
P0043	HO2S Heater Control Circuit Low, Bank 1 Sensor 3
P0044	HO2S Heater Control Circuit High, Bank 1 Sensor 3
P0050	HO2S Heater Control Circuit, Bank 2 Sensor 1
P0051	HO2S Heater Control Circuit Low, Bank 2 Sensor 1
P0052	HO2S Heater Control Circuit High, Bank 2 Sensor 1
P0056	HO2S Heater Control Circuit, Bank 2 Sensor 2

P0057	HO2S Heater Control Circuit Low, Bank 2 Sensor 2
P0058	HO2S Heater Control Circuit High, Bank 2 Sensor 2
P0068	MAP/MAF - Throttle Position Correlation
P0087	Fuel Rail/System Pressure - Too Low
P0088	Fuel Rail/System Pressure - Too High
P0089	Fuel Pressure Regulator 1 Performance
P0097	Intake Air Temperature Sensor 2 Circuit Low
P0098	Intake Air Temperature Sensor 2 Circuit High
P0100	Mass or Volume Air Flow "A" Circuit
P0101	Mass or Volume Air Flow "A" Circuit Range/Performance
P0102	Mass or Volume Air Flow "A" Circuit Low
P0103	Mass or Volume Air Flow "A" Circuit High
P0105	Manifold Absolute Pressure/Barometric Pressure Circuit
P0106	Manifold Absolute Pressure/Barometric Pressure Circuit Range/Performance
P0107	Manifold Absolute Pressure/Barometric Pressure Circuit Low
P0108	Manifold Absolute Pressure/Barometric Pressure Circuit High
P0112	Intake Air Temperature Sensor 1 Circuit Low
P0113	Intake Air Temperature Sensor 1 Circuit High
P0116	Engine Coolant Temperature Sensor 1 Circuit Range/Performance
P0117	Engine Coolant Temperature Sensor 1 Circuit Low
P0118	Engine Coolant Temperature Sensor 1 Circuit High
P0120	Throttle/Pedal Position Sensor/Switch "A" Circuit
P0121	Throttle/Pedal Position Sensor/Switch "A" Circuit Range/Performance
P0122	Throttle/Pedal Position Sensor/Switch "A" Circuit Low
P0123	Throttle/Pedal Position Sensor/Switch "A" Circuit High
P0125	Insufficient Coolant Temperature for Closed Loop Fuel Control
P0128	Coolant Thermostat (Coolant Temperature Below Thermostat Regulating Temperature)
P0130	O2 Sensor Circuit, 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, 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, Bank 1 Sensor 2
P0142	O2 Sensor Circuit, 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	O2 Sensor Heater Circuit, Bank 1 Sensor 3
P0147	O2 Sensor Circuit, Bank 1 Sensor 3
P0150	O2 Sensor Circuit, Bank 2 Sensor 1
P0151	O2 Sensor Circuit High Voltage, Bank 2 Sensor 1
P0152 P0153	O2 Sensor Circuit Flight Voltage, Bank 2 Sensor 1
P0153	O2 Sensor Circuit Slow Response, Bank 2 Sensor 1 O2 Sensor Circuit No Activity Detected, Bank 2 Sensor 1
P0154 P0155	O2 Sensor Heater Circuit, Bank 2 Sensor 1
	O2 Sensor Circuit, Bank 2 Sensor 2
P0156 P0157	O2 Sensor Circuit, Bank 2 Sensor 2
	O2 Sensor Circuit Low Voltage, Bank 2 Sensor 2
P0158 P0159	O2 Sensor Circuit Fight Voltage, Bank 2 Sensor 2
	O2 Sensor Circuit Slow Response, Bank 2 Sensor 2 O2 Sensor Circuit No Activity Detected, Bank 2 Sensor 2
P0160 P0161	O2 Sensor Heater Circuit, Bank 2 Sensor 2
P0169 P0171	Incorrect Fuel Composition System Too Lean, Bank 1
	System Too Rich, Bank 1
P0172 P0174	
	System Too Lean, Bank 2
P0175 P0181	System Too Rich, Bank 2
P0181	Fuel Temperature Sensor "A" Circuit Range/Performance Fuel Temperature Sensor "A" Circuit Low
P0182	Fuel Temperature Sensor "A" Circuit Low
P0188	Fuel Temperature Sensor "B" Circuit High
P0190	Fuel Rail Pressure Sensor "A" Circuit
P0190	Fuel Rail Pressure Sensor "A" Circuit Low
P0200	Injector Circuit/Open
P0201	Injector Circuit/Open - Cylinder 1
P0202	Injector Circuit/Open - Cylinder 2
P0203	Injector Circuit/Open - Cylinder 3
P0204	Injector Circuit/Open - Cylinder 4
P0205	Injector Circuit/Open - Cylinder 5
P0206	Injector Circuit/Open - Cylinder 6
P0207	Injector Circuit/Open - Cylinder 7
P0208	Injector Circuit/Open - Cylinder 8
P0209	Injector Circuit/Open - Cylinder 9
P0210	Injector Circuit/Open - Cylinder 10
P0211	Injector Circuit/Open - Cylinder 11
P0212	Injector Circuit/Open - Cylinder 12
P0216	Injector/Injection Timing Control Circuit
P0219	Engine Overspeed Condition
P0221	Throttle/Pedal Position Sensor/Switch "B" Circuit Range/Performance
P0222	Throttle/Pedal Position Sensor/Switch "B" Circuit Low
P0223	Throttle/Pedal Position Sensor/Switch "B" Circuit High
P0225	Throttle/Pedal Position Sensor/Switch "C" Circuit
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P0226	Throttle/Pedal Position Sensor/Switch "C" Circuit Range/Performance
P0227	Throttle/Pedal Position Sensor/Switch "C" Circuit Low
P0228	Throttle/Pedal Position Sensor/Switch "C" Circuit High
P0230	System Too Rich at Idle
P0234	Turbocharger/Supercharger Overboost Condition
P0236	Turbocharger/Supercharger Boost Sensor "A" Circuit Range/Performance
P0237	Turbocharger/Supercharger Boost Sensor "A" Circuit Low
P0238	Turbocharger/Supercharger Boost Sensor "A" Circuit High
P0240	Turbocharger/Supercharger Boost Sensor "B" Circuit Range/Performance
P0241	Turbocharger/Supercharger Boost Sensor "B" Circuit Low
P0242	Turbocharger/Supercharger Boost Sensor "B" Circuit High
P0243	Turbocharger/Supercharger Wastegate Solenoid "A"
P0245	Turbocharger/Supercharger Wastegate Solenoid "A" Low
P0246	Turbocharger/Supercharger Wastegate Solenoid "A" High
P0247	Turbocharger/Supercharger Wastegate Solenoid "B"
P0249	Turbocharger/Supercharger Wastegate Solenoid "B" Low
P0250	Turbocharger/Supercharger Wastegate Solenoid "B" High
P0251	Injection Pump Fuel Metering Control "A" (Cam/Rotor/Injector)
P0252	Injection Pump Fuel Metering Control "A" Range/Performance (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 3 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

P0285 Cylinder 9 Injector Circuit Low P0286 Cylinder 9 Injector Circuit High P0287 Cylinder 10 Injector Circuit High P0288 Cylinder 10 Injector Circuit Low P0289 Cylinder 10 Injector Circuit High P0290 Cylinder 10 Injector Circuit High P0291 Cylinder 11 Injector Circuit Low P0292 Cylinder 11 Injector Circuit Low P0292 Cylinder 11 Injector Circuit Low P0293 Cylinder 12 Injector Circuit High P0294 Cylinder 12 Injector Circuit High P0295 Cylinder 12 Injector Circuit High P0296 Cylinder 12 Injector Circuit High P0297 Turbocharger/Supercharger Underboost Condition 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 6 Misfire Detected P0306 Cylinder 6 Misfire Detected P0307 Cylinder 6 Misfire Detected P0308 Cylinder 8 Misfire Detected P0309 Cylinder 9 Misfire Detected P0309 Cylinder 9 Misfire Detected P0310 Cylinder 10 Misfire Detected P0311 Cylinder 12 Misfire Detected P0312 Injector 12 Misfire Detected P0313 Rough Road Sensor "A" Signal Circuit P0314 Rough Road Sensor "A" Signal Circuit P0321 Ignition/Distributor Engine Speed Input Circuit Range/Performance P0324 Knock Sensor 1 Circuit Low Bank 1 or Single Sensor P0325 Knock Sensor 1 Circuit Low Bank 1 or Single Sensor P0326 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 1 or Single Sensor P0331 Camshaft Position Sensor "A" Circuit High, Bank 1 or Single Sensor P0342 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 1 or Single Sensor P0343 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0346 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0347 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0348 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0347 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0348 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0347 Camshaft Position Sensor "A" Circuit Range/Perform	P0284	Cylinder 8 Contribution/Balance
P0287 Cylinder 9 Contribution/Balance P0288 Cylinder 10 Injector Circuit Low P0290 Cylinder 10 Contribution/Balance P0291 Cylinder 11 Injector Circuit Low P0292 Cylinder 11 Injector Circuit Low P0292 Cylinder 11 Injector Circuit Low P0293 Cylinder 12 Injector Circuit Low P0294 Cylinder 12 Injector Circuit Low P0295 Cylinder 12 Injector Circuit High P0299 Turbocharger/Supercharger Underboost Condition 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 8 Misfire Detected P0309 Cylinder 9 Misfire Detected P0310 Cylinder 10 Misfire Detected P0310 Cylinder 10 Misfire Detected P0311 Cylinder 11 Misfire Detected P0312 Cylinder 12 Misfire Detected P0313 Rough Road Sensor "A" Signal Circuit P0314 Ignition/Distributor Engine Speed Input Circuit Range/Performance P0322 Ignition/Distributor Engine Speed Input Circuit No Signal P0324 Knock Control System Error P0325 Knock Sensor 1 Circuit Low Bank 1 or Single Sensor P0326 Camshaft Position Sensor "A" Circuit, Bank 1 or Single Sensor P0327 Knock Sensor 2 Circuit High Bank 2 P0330 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 1 or Single Sensor P0341 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 1 P0342 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 1 P0343 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0346 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0347 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0348 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0348 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0347 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0348 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0347 Ignition Coil "A" Prima		
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 Low P0293 Cylinder 12 Injector Circuit Low P0294 Cylinder 12 Injector Circuit High P0295 Cylinder 12 Injector Circuit High P0296 Cylinder 12 Injector Circuit High P0297 Turbocharger/Supercharger Underboost Condition 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 9 Misfire Detected P0311 Cylinder 10 Misfire Detected P0312 Cylinder 11 Misfire Detected P0313 Rough Road Sensor "A" Signal Circuit P0321 Ignition/Distributor Engine Speed Input Circuit Range/Performance P0322 Ignition/Distributor Engine Speed Input Circuit No Signal P0324 Knock Control System Error P0328 Knock Sensor 1 Circuit High Bank 1 or Single Sensor P0328 Knock Sensor 1 Circuit Low Bank 2 P0330 Camshaft Position Sensor "A" Circuit, Bank 1 or Single Sensor P0340 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 1 or Single Sensor P0341 Camshaft Position Sensor "A" Circuit High, Bank 1 or Single Sensor P0342 Camshaft Position Sensor "A" Circuit High, Bank 1 or Single Sensor P0343 Camshaft Position Sensor "A" Circuit High, Bank 1 or Single Sensor P0345 Camshaft Position Sensor "A" Circuit High, Bank 1 or Single Sensor P0346 Camshaft Position Sensor "A" Circuit High, Bank 2 P0347 Camshaft Position Sensor "A" Circuit Low, Bank 2 P0348 Camshaft Position Sensor "A" Circuit Low, Bank 2 P0349 Camshaft Position Sensor "A" Circuit Low, Bank 2 P0349 Camshaft Position Sensor "A" Circuit Low, Bank 2 P0349 Camshaft Position Sensor "A" Circuit Low, Bank 2 P0349 Camshaft Position Sensor "A" Circuit Low, Bank 2 P0341 Ignition Coil "A" Primary/Second	P0286	Cylinder 9 Injector Circuit High
P0289 Cylinder 10 Injector Circuit High P0290 Cylinder 10 Contribution/Balance P0291 Cylinder 11 Injector Circuit Low P0292 Cylinder 12 Injector Circuit High P0294 Cylinder 12 Injector Circuit High P0295 Cylinder 12 Injector Circuit High P0296 Turbocharger/Supercharger Underboost Condition 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 6 Misfire Detected P0308 Cylinder 8 Misfire Detected P0309 Cylinder 9 Misfire Detected P0309 Cylinder 10 Misfire Detected P0310 Cylinder 10 Misfire Detected P0311 Cylinder 10 Misfire Detected P0312 Cylinder 12 Misfire Detected P0313 Rough Road Sensor "A" Signal Circuit P0314 Rough Road Sensor "A" Signal Circuit Range/Performance P0321 Ignition/Distributor Engine Speed Input Circuit No Signal P0321 Ignition/Distributor Engine Speed Input Circuit No Signal P0322 Knock Control System Error P0323 Knock Sensor 1 Circuit Low Bank 1 or Single Sensor P0324 Knock Sensor 1 Circuit Low Bank 2 P0335 Knock Sensor 2 Circuit High Bank 1 or Single Sensor P0346 Camshaft Position Sensor "A" Circuit, Bank 1 or Single Sensor P0347 Camshaft Position Sensor "A" Circuit Low, Bank 1 or Single Sensor P0348 Camshaft Position Sensor "A" Circuit High, Bank 2 P0349 Camshaft Position Sensor "A" Circuit Low, Bank 1 or Single Sensor P0340 Camshaft Position Sensor "A" Circuit High, Bank 2 P0341 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 1 P0345 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0346 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0347 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0348 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0348 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0348 Camshaft Position Sensor "A" Circuit High, Bank 2 P0347 Camshaft Position Sensor "A" Circuit High	P0287	Cylinder 9 Contribution/Balance
P0291 Cylinder 10 Contribution/Balance P0291 Cylinder 11 Injector Circuit Low P0292 Cylinder 12 Injector Circuit Low P0294 Cylinder 12 Injector Circuit High P0295 Cylinder 12 Injector Circuit High P0299 Turbocharger/Supercharger Underboost Condition 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 7 Misfire Detected P0309 Cylinder 8 Misfire Detected P0309 Cylinder 9 Misfire Detected P0310 Cylinder 10 Misfire Detected P0310 Cylinder 10 Misfire Detected P0311 Cylinder 11 Misfire Detected P0312 Cylinder 12 Misfire Detected P0313 Rough Road Sensor "A" Signal Circuit P0314 Rough Road Sensor "A" Signal Circuit P0321 Ignition/Distributor Engine Speed Input Circuit Range/Performance P0322 Ignition/Distributor Engine Speed Input Circuit No Signal P0324 Knock Control System Error P0325 Knock Sensor 1 Circuit Low Bank 1 or Single Sensor P0326 Knock Sensor 1 Circuit Low Bank 2 P0330 Knock Sensor 2 Circuit High Bank 1 or Single Sensor P0327 Knock Sensor 1 Circuit High Bank 2 P0338 Knock Sensor 2 Circuit High Bank 2 P0340 Camshaft Position Sensor "A" Circuit, Bank 1 or Single Sensor P0341 Camshaft Position Sensor "A" Circuit Low, Bank 1 or Single Sensor P0342 Camshaft Position Sensor "A" Circuit Low, Bank 1 or Single Sensor P0343 Camshaft Position Sensor "A" Circuit Low, Bank 1 or Single Sensor P0345 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 1 P0346 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0347 Camshaft Position Sensor "A" Circuit Low, Bank 2 P0348 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0348 Camshaft Position Sensor "A" Circuit High, Bank 2 P0347 Camshaft Position Sensor "A" Circuit High, Bank 2 P0348 Camshaft Position Sensor "A" Circuit High, Bank 2	P0288	Cylinder 10 Injector Circuit Low
P0291 Cylinder 11 Injector Circuit Low P0292 Cylinder 12 Injector Circuit High P0294 Cylinder 12 Injector Circuit Low P0295 Cylinder 12 Injector Circuit Low P0296 Cylinder 12 Injector Circuit High P0299 Turbocharger/Supercharger Underboost Condition P0300 Random/Multiple Cylinder Misfire Detected P0301 Cylinder 1 Misfire Detected P0302 Cylinder 2 Misfire Detected P0303 Cylinder 2 Misfire Detected P0304 Cylinder 5 Misfire Detected P0305 Cylinder 5 Misfire Detected P0306 Cylinder 6 Misfire Detected P0307 Cylinder 7 Misfire Detected P0308 Cylinder 8 Misfire Detected P0309 Cylinder 8 Misfire Detected P0300 Cylinder 10 Misfire Detected P0310 Cylinder 10 Misfire Detected P0311 Cylinder 10 Misfire Detected P0312 Cylinder 10 Misfire Detected P0313 Rough Road Sensor "A" Signal Circuit P0314 Rough Road Sensor "A" Signal Circuit P0321 Ignition/Distributor Engine Speed Input Circuit Range/Performance P0322 Ignition/Distributor Engine Speed Input Circuit No Signal P0324 Knock Control System Error P0327 Knock Sensor 1 Circuit Low Bank 1 or Single Sensor P0328 Knock Sensor 1 Circuit High Bank 1 or Single Sensor P0328 Knock Sensor 2 Circuit High Bank 2 P0330 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 1 or Single Sensor P0341 Camshaft Position Sensor "A" Circuit High, Bank 1 or Single Sensor P0342 Camshaft Position Sensor "A" Circuit High, Bank 1 or Single Sensor P0343 Camshaft Position Sensor "A" Circuit High, Bank 1 or Single Sensor P0344 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0345 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0346 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0347 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0348 Camshaft Position Sensor "A" Circuit Low, Bank 2 P0347 Camshaft Position Sensor "A" Circuit High, Bank 2 P0348 Camshaft Position Sensor "A" Circuit High, Bank 2 P0347 Camshaft Position Sensor "A" Circuit High, Bank 2 P0348 Camshaft Position Sensor "A" Circuit High, Bank 2	P0289	Cylinder 10 Injector Circuit High
P0292 Cylinder 11 Injector Circuit High P0294 Cylinder 12 Injector Circuit Low P0295 Cylinder 12 Injector Circuit High P0299 Turbocharger/Supercharger Underboost Condition 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 6 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 11 Misfire Detected P0313 Rough Road Sensor "A" Signal Circuit P0321 Ignition/Distributor Engine Speed Input Circuit Range/Performance P0322 Ignition/Distributor Engine Speed Input Circuit No Signal P0324 Knock Control System Error P0327 Knock Sensor 1 Circuit Low Bank 1 or Single Sensor P0328 Knock Sensor 1 Circuit High Bank 1 or Single Sensor P0330 Camshaft Position Sensor "A" Circuit, Bank 1 or Single Sensor P0340 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 1 or Single Sensor P0341 Camshaft Position Sensor "A" Circuit High, Bank 1 or Single Sensor P0342 Camshaft Position Sensor "A" Circuit High, Bank 2 P0343 Camshaft Position Sensor "A" Circuit Low, Bank 2 P0345 Camshaft Position Sensor "A" Circuit Low, Bank 2 P0346 Camshaft Position Sensor "A" Circuit Low, Bank 2 P0347 Camshaft Position Sensor "A" Circuit Low, Bank 1 or Single Sensor P0347 Camshaft Position Sensor "A" Circuit Low, Bank 2 P0348 Camshaft Position Sensor "A" Circuit Low, Bank 2 P0347 Camshaft Position Sensor "A" Circuit Low, Bank 2 P0348 Camshaft Position Sensor "A" Circuit Low, Bank 2 P0348 Camshaft Position Sensor "A" Circuit Low, Bank 2 P0347 Camshaft Position Sensor "A" Circuit Low, Bank 2 P0348 Camshaft Position Sensor "A" Circuit Low, Bank 2 P0347 Camshaft Position Sensor "A" Circuit Low, Bank 2 P0348 Camshaft Position Sensor "A" Circuit Low, Bank 2	P0290	Cylinder 10 Contribution/Balance
P0294 Cylinder 12 Injector Circuit Low P0295 Cylinder 12 Injector Circuit High P0299 Turbocharger/Supercharger Underboost Condition 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 6 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 Rough Road Sensor "A" Signal Circuit Range/Performance P0321 Ignition/Distributor Engine Speed Input Circuit No Signal P0321 Ignition/Distributor Engine Speed Input Circuit No Signal P0324 Knock Control System Error P0327 Knock Sensor 1 Circuit Low Bank 1 or Single Sensor P0328 Knock Sensor 1 Circuit High Bank 1 or Single Sensor P0329 Camshaft Position Sensor "A" Circuit, Bank 1 or Single Sensor P0340 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 1 or Single Sensor P0341 Camshaft Position Sensor "A" Circuit High, Bank 1 or Single Sensor P0342 Camshaft Position Sensor "A" Circuit High, Bank 1 or Single Sensor P0343 Camshaft Position Sensor "A" Circuit High, Bank 2 P0346 Camshaft Position Sensor "A" Circuit High, Bank 2 P0347 Camshaft Position Sensor "A" Circuit High, Bank 2 P0347 Camshaft Position Sensor "A" Circuit High, Bank 2 P0348 Camshaft Position Sensor "A" Circuit High, Bank 2 P0347 Camshaft Position Sensor "A" Circuit High, Bank 2 P0348 Camshaft Position Sensor "A" Circuit High, Bank 2 P0347 Camshaft Position Sensor "A" Circuit High, Bank 2 P0348 Camshaft Position Sensor "A" Circuit High, Bank 2 P0347 Camshaft Position Sensor "A" Circuit High, Bank 2 P0348 Camshaft Position Sensor "A" Circuit High, Bank 2	P0291	Cylinder 11 Injector Circuit Low
P0295 Cylinder 12 Injector Circuit High P0299 Turbocharger/Supercharger Underboost Condition 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 P0309 Cylinder 9 Misfire Detected P0310 Cylinder 10 Misfire Detected P0311 Cylinder 11 Misfire Detected P0312 Cylinder 12 Misfire Detected P0313 Rough Road Sensor "A" Signal Circuit P0321 Ignition/Distributor Engine Speed Input Circuit Range/Performance P0322 Ignition/Distributor Engine Speed Input Circuit No Signal P0324 Knock Control System Error P0327 Knock Sensor 1 Circuit Low Bank 1 or Single Sensor P0328 Knock Sensor 1 Circuit Ligh Bank 1 or Single Sensor P0328 Knock Sensor 2 Circuit Low Bank 2 P0330 Knock Sensor 2 Circuit Low Bank 2 P0340 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 1 or Single Sensor P0341 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 1 or Single Sensor P0342 Camshaft Position Sensor "A" Circuit Low, Bank 1 or Single Sensor P0343 Camshaft Position Sensor "A" Circuit Low, Bank 1 or Single Sensor P0345 Camshaft Position Sensor "A" Circuit Low, Bank 1 or Single Sensor P0346 Camshaft Position Sensor "A" Circuit High, Bank 2 P0347 Camshaft Position Sensor "A" Circuit Low, Bank 2 P0347 Camshaft Position Sensor "A" Circuit Low, Bank 2 P0348 Camshaft Position Sensor "A" Circuit Low, Bank 2 P0347 Camshaft Position Sensor "A" Circuit High, Bank 2 P0348 Camshaft Position Sensor "A" Circuit High, Bank 2 P0347 Camshaft Position Sensor "A" Circuit High, Bank 2 P0348 Camshaft Position Sensor "A" Circuit High, Bank 2	P0292	Cylinder 11 Injector Circuit High
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 P0300 Cylinder 9 Misfire Detected P0300 Cylinder 9 Misfire Detected P0301 Cylinder 9 Misfire Detected P0310 Cylinder 10 Misfire Detected P0311 Cylinder 11 Misfire Detected P0312 Cylinder 12 Misfire Detected P0313 Rough Road Sensor "A" Signal Circuit P0314 Rough Road Sensor "A" Signal Circuit P0325 Ignition/Distributor Engine Speed Input Circuit No Signal P0326 Knock Control System Error P0327 Knock Sensor 1 Circuit Low Bank 1 or Single Sensor P0328 Knock Control System Error P0329 Knock Sensor 1 Circuit High Bank 1 or Single Sensor P0320 Knock Sensor 2 Circuit Low Bank 2 P0331 Knock Sensor 2 Circuit High Bank 2 P0340 Camshaft Position Sensor "A" Circuit, Bank 1 or Single Sensor P0341 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 1 or Single Sensor P0342 Camshaft Position Sensor "A" Circuit Low, Bank 1 or Single Sensor P0343 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 1 or Single Sensor P0345 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0346 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0347 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0348 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0347 Camshaft Position Sensor "A" Circuit High, Bank 2 P0348 Camshaft Position Sensor "A" Circuit High, Bank 2 P0349 Camshaft Position Sensor "A" Circuit High, Bank 2 P0349 Camshaft Position Sensor "A" Circuit High, Bank 2 P0349 Camshaft Position Sensor "A" Circuit High, Bank 2 P0349 Camshaft Position Sensor "A" Circuit High, Bank 2 P0349 Camshaft Position Sensor "A" Circuit High, Bank 2	P0294	Cylinder 12 Injector Circuit Low
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 Cylinder 12 Misfire Detected P0314 Rough Road Sensor "A" Signal Circuit P0315 Ignition/Distributor Engine Speed Input Circuit Range/Performance P0322 Ignition/Distributor Engine Speed Input Circuit No Signal P0324 Knock Control System Error P0325 Knock Sensor 1 Circuit Low Bank 1 or Single Sensor P0326 Knock Sensor 1 Circuit High Bank 1 or Single Sensor P0327 Knock Sensor 2 Circuit High Bank 2 P0330 Knock Sensor 2 Circuit High Bank 2 P0340 Camshaft Position Sensor "A" Circuit, Bank 1 or Single Sensor P0341 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 1 or Single Sensor P0342 Camshaft Position Sensor "A" Circuit High, Bank 1 or Single Sensor P0343 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 1 or Single Sensor P0345 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0346 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0347 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0348 Camshaft Position Sensor "A" Circuit High, Bank 2 P0349 Camshaft Position Sensor "A" Circuit High, Bank 2 P0349 Camshaft Position Sensor "A" Circuit High, Bank 2 P0349 Camshaft Position Sensor "A" Circuit High, Bank 2 P0349 Camshaft Position Sensor "A" Circuit High, Bank 2 P0349 Camshaft Position Sensor "A" Circuit High, Bank 2 P0349 Camshaft Position Sensor "A" Circuit High, Bank 2 P0349 Camshaft Position Sensor "A" Circuit High, Bank 2	P0295	Cylinder 12 Injector Circuit High
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 Cylinder 12 Misfire Detected P0314 Cylinder 12 Misfire Detected P0315 Cylinder 12 Misfire Detected P0316 Cylinder 12 Misfire Detected P0317 Cylinder 12 Misfire Detected P0318 Rough Road Sensor "A" Signal Circuit P0321 Ignition/Distributor Engine Speed Input Circuit Range/Performance P0322 Ignition/Distributor Engine Speed Input Circuit No Signal P0324 Knock Control System Error P0325 Knock Sensor 1 Circuit Low Bank 1 or Single Sensor P0326 Knock Sensor 1 Circuit High Bank 1 or Single Sensor P0337 Knock Sensor 2 Circuit Low Bank 2 P0338 Knock Sensor 2 Circuit High Bank 2 P0349 Camshaft Position Sensor "A" Circuit, Bank 1 or Single Sensor P0340 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 1 or Single Sensor P0341 Camshaft Position Sensor "A" Circuit High, Bank 1 or Single Sensor P0342 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 1 or Single Sensor P0345 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0346 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0347 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0348 Camshaft Position Sensor "A" Circuit High, Bank 2 P0349 Camshaft Position Sensor "A" Circuit High, Bank 2 P0349 Camshaft Position Sensor "A" Circuit High, Bank 2 P0349 Camshaft Position Sensor "A" Circuit High, Bank 2 P0349 Camshaft Position Sensor "A" Circuit High, Bank 2 P0349 Camshaft Position Sensor "A" Circuit High, Bank 2	P0299	Turbocharger/Supercharger Underboost Condition
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 8 Misfire Detected P0309 Cylinder 9 Misfire Detected P0310 Cylinder 10 Misfire Detected P0311 Cylinder 11 Misfire Detected P0312 Cylinder 12 Misfire Detected P0312 Cylinder 12 Misfire Detected P0313 Rough Road Sensor "A" Signal Circuit P0321 Ignition/Distributor Engine Speed Input Circuit Range/Performance P0322 Ignition/Distributor Engine Speed Input Circuit No Signal P0324 Knock Control System Error P0327 Knock Sensor 1 Circuit Low Bank 1 or Single Sensor P0328 Knock Sensor 1 Circuit Low Bank 1 or Single Sensor P0330 Knock Sensor 2 Circuit High Bank 2 P0331 Knock Sensor 2 Circuit High Bank 2 P0340 Camshaft Position Sensor "A" Circuit, Bank 1 or Single Sensor P0341 Camshaft Position Sensor "A" Circuit Low, Bank 1 or Single Sensor P0342 Camshaft Position Sensor "A" Circuit Low, Bank 1 or Single Sensor P0343 Camshaft Position Sensor "A" Circuit Low, Bank 1 or Single Sensor P0344 Camshaft Position Sensor "A" Circuit Low, Bank 1 or Single Sensor P0345 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0346 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0347 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0348 Camshaft Position Sensor "A" Circuit High, Bank 2 P0349 Camshaft Position Sensor "A" Circuit Low, Bank 2 P0349 Camshaft Position Sensor "A" Circuit Low, Bank 2 P0349 Camshaft Position Sensor "A" Circuit Low, Bank 2 P0349 Camshaft Position Sensor "A" Circuit High, Bank 2 P0340 Camshaft Position Sensor "A" Circuit High, Bank 2 P0341 Camshaft Position Sensor "A" Circuit High, Bank 2 P0343 Camshaft Position Sensor "A" Circuit High, Bank 2	P0300	
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 Cylinder 12 Misfire Detected P0314 Cylinder 12 Misfire Detected P0315 Cylinder 12 Misfire Detected P0316 Rough Road Sensor "A" Signal Circuit P0317 Ignition/Distributor Engine Speed Input Circuit Range/Performance P0328 Ignition/Distributor Engine Speed Input Circuit No Signal P0329 Ignition/Distributor Engine Speed Input Circuit No Signal P0320 Knock Control System Error P0321 Knock Sensor 1 Circuit Low Bank 1 or Single Sensor P0322 Knock Sensor 1 Circuit High Bank 1 or Single Sensor P0323 Knock Sensor 2 Circuit Low Bank 2 P0330 Knock Sensor 2 Circuit Low Bank 2 P0331 Knock Sensor 2 Circuit High Bank 2 P0340 Camshaft Position Sensor "A" Circuit, Bank 1 or Single Sensor P0341 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 1 or Single Sensor P0342 Camshaft Position Sensor "A" Circuit Low, Bank 1 or Single Sensor P0343 Camshaft Position Sensor "A" Circuit High, Bank 1 or Single Sensor P0345 Camshaft Position Sensor "A" Circuit High, Bank 2 P0346 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0347 Camshaft Position Sensor "A" Circuit High, Bank 2 P0348 Camshaft Position Sensor "A" Circuit High, Bank 2 P0349 Camshaft Position Sensor "A" Circuit High, Bank 2 P0349 Camshaft Position Sensor "A" Circuit High, Bank 2 P0340 Camshaft Position Sensor "A" Circuit High, Bank 2 P0341 Camshaft Position Sensor "A" Circuit High, Bank 2 P0342 Camshaft Position Sensor "A" Circuit High, Bank 2 P0343 Camshaft Position Sensor "A" Circuit High, Bank 2 P0346 Camshaft Position Sensor "A" Circuit High, Bank 2	P0301	
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 P0318 Rough Road Sensor "A" Signal Circuit P0319 Ignition/Distributor Engine Speed Input Circuit Range/Performance P0320 Ignition/Distributor Engine Speed Input Circuit No Signal P0321 Knock Control System Error P0322 Knock Sensor 1 Circuit Low Bank 1 or Single Sensor P0323 Knock Sensor 1 Circuit High Bank 1 or Single Sensor P0326 Knock Sensor 2 Circuit Low Bank 2 P0330 Knock Sensor 2 Circuit High Bank 2 P0331 Knock Sensor 2 Circuit High Bank 2 P0340 Camshaft Position Sensor "A" Circuit, Bank 1 or Single Sensor P0341 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 1 or Single Sensor P0342 Camshaft Position Sensor "A" Circuit Low, Bank 1 or Single Sensor P0343 Camshaft Position Sensor "A" Circuit Low, Bank 1 or Single Sensor P0345 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0346 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0347 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0348 Camshaft Position Sensor "A" Circuit High, Bank 2 P0348 Camshaft Position Sensor "A" Circuit High, Bank 2 P0348 Camshaft Position Sensor "A" Circuit High, Bank 2	P0302	Cylinder 2 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 P0318 Rough Road Sensor "A" Signal Circuit P0321 Ignition/Distributor Engine Speed Input Circuit Range/Performance P0322 Ignition/Distributor Engine Speed Input Circuit No Signal P0324 Knock Control System Error P0327 Knock Sensor 1 Circuit Low Bank 1 or Single Sensor P0328 Knock Sensor 1 Circuit High Bank 1 or Single Sensor P0330 Knock Sensor 2 Circuit Low Bank 2 P0331 Knock Sensor 2 Circuit High Bank 2 P0340 Camshaft Position Sensor "A" Circuit, Bank 1 or Single Sensor P0341 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 1 or Single Sensor P0342 Camshaft Position Sensor "A" Circuit Low, Bank 1 or Single Sensor P0343 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 1 or Single Sensor P0344 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 1 or Single Sensor P0345 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0346 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0347 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0348 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0348 Camshaft Position Sensor "A" Circuit High, Bank 2	P0303	Cylinder 3 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 P0318 Rough Road Sensor "A" Signal Circuit P0321 Ignition/Distributor Engine Speed Input Circuit Range/Performance P0322 Ignition/Distributor Engine Speed Input Circuit No Signal P0324 Knock Control System Error P0327 Knock Sensor 1 Circuit Low Bank 1 or Single Sensor P0328 Knock Sensor 1 Circuit High Bank 1 or Single Sensor P0330 Knock Sensor 2 Circuit Low Bank 2 P0331 Knock Sensor 2 Circuit High Bank 2 P0340 Camshaft Position Sensor "A" Circuit, Bank 1 or Single Sensor P0341 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 1 or Single Sensor P0342 Camshaft Position Sensor "A" Circuit High, Bank 1 or Single Sensor P0343 Camshaft Position Sensor "A" Circuit Low, Bank 1 or Single Sensor P0345 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0346 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0347 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0348 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0348 Camshaft Position Sensor "A" Circuit High, Bank 2 P0348 Camshaft Position Sensor "A" Circuit High, Bank 2	P0304	Cylinder 4 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 P0318 Rough Road Sensor "A" Signal Circuit P0321 Ignition/Distributor Engine Speed Input Circuit Range/Performance P0322 Ignition/Distributor Engine Speed Input Circuit No Signal P0324 Knock Control System Error P0327 Knock Sensor 1 Circuit Low Bank 1 or Single Sensor P0328 Knock Sensor 1 Circuit High Bank 1 or Single Sensor P0330 Knock Sensor 2 Circuit Low Bank 2 P0331 Knock Sensor 2 Circuit High Bank 2 P0340 Camshaft Position Sensor "A" Circuit, Bank 1 or Single Sensor P0341 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 1 or Single Sensor P0342 Camshaft Position Sensor "A" Circuit High, Bank 1 or Single Sensor P0343 Camshaft Position Sensor "A" Circuit High, Bank 1 or Single Sensor P0344 Camshaft Position Sensor "A" Circuit High, Bank 1 or Single Sensor P0345 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0346 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0347 Camshaft Position Sensor "A" Circuit High, Bank 2 P0348 Camshaft Position Sensor "A" Circuit High, Bank 2 P0349 Ignition Coil "A" Primary/Secondary Circuit	P0305	-
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 P0318 Rough Road Sensor "A" Signal Circuit P0321 Ignition/Distributor Engine Speed Input Circuit Range/Performance P0322 Ignition/Distributor Engine Speed Input Circuit No Signal P0324 Knock Control System Error P0327 Knock Sensor 1 Circuit Low Bank 1 or Single Sensor P0328 Knock Sensor 1 Circuit High Bank 1 or Single Sensor P0330 Knock Sensor 2 Circuit Low Bank 2 P0331 Knock Sensor 2 Circuit High Bank 2 P0340 Camshaft Position Sensor "A" Circuit, Bank 1 or Single Sensor P0341 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 1 or Single Sensor P0342 Camshaft Position Sensor "A" Circuit High, Bank 1 or Single Sensor P0343 Camshaft Position Sensor "A" Circuit High, Bank 1 or Single Sensor P0344 Camshaft Position Sensor "A" Circuit High, Bank 1 or Single Sensor P0345 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0346 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0347 Camshaft Position Sensor "A" Circuit High, Bank 2 P0348 Camshaft Position Sensor "A" Circuit High, Bank 2 P0349 Ignition Coil "A" Primary/Secondary Circuit	P0306	· ·
P0309 Cylinder 9 Misfire Detected P0310 Cylinder 10 Misfire Detected P0311 Cylinder 11 Misfire Detected P0312 Cylinder 12 Misfire Detected P0318 Rough Road Sensor "A" Signal Circuit P0321 Ignition/Distributor Engine Speed Input Circuit Range/Performance P0322 Ignition/Distributor Engine Speed Input Circuit No Signal P0324 Knock Control System Error P0327 Knock Sensor 1 Circuit Low Bank 1 or Single Sensor P0328 Knock Sensor 1 Circuit High Bank 1 or Single Sensor P0330 Knock Sensor 2 Circuit Low Bank 2 P0331 Knock Sensor 2 Circuit High Bank 2 P0340 Camshaft Position Sensor "A" Circuit, Bank 1 or Single Sensor P0341 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 1 or Single Sensor P0342 Camshaft Position Sensor "A" Circuit Low, Bank 1 or Single Sensor P0343 Camshaft Position Sensor "A" Circuit High, Bank 1 or Single Sensor P0345 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0346 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0347 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0348 Camshaft Position Sensor "A" Circuit High, Bank 2 P0348 Camshaft Position Sensor "A" Circuit High, Bank 2 P0351 Ignition Coil "A" Primary/Secondary Circuit	P0307	
P0310 Cylinder 10 Misfire Detected P0311 Cylinder 11 Misfire Detected P0312 Cylinder 12 Misfire Detected P0318 Rough Road Sensor "A" Signal Circuit P0321 Ignition/Distributor Engine Speed Input Circuit Range/Performance P0322 Ignition/Distributor Engine Speed Input Circuit No Signal P0324 Knock Control System Error P0327 Knock Sensor 1 Circuit Low Bank 1 or Single Sensor P0328 Knock Sensor 1 Circuit High Bank 1 or Single Sensor P0330 Knock Sensor 2 Circuit Low Bank 2 P0331 Knock Sensor 2 Circuit High Bank 2 P0340 Camshaft Position Sensor "A" Circuit, Bank 1 or Single Sensor P0341 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 1 or Single Sensor P0342 Camshaft Position Sensor "A" Circuit Low, Bank 1 or Single Sensor P0343 Camshaft Position Sensor "A" Circuit High, Bank 1 or Single Sensor P0344 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0345 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0346 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0347 Camshaft Position Sensor "A" Circuit Low, Bank 2 P0348 Camshaft Position Sensor "A" Circuit High, Bank 2 P0348 Ignition Coil "A" Primary/Secondary Circuit	P0308	· ·
P0311 Cylinder 11 Misfire Detected P0312 Cylinder 12 Misfire Detected P0318 Rough Road Sensor "A" Signal Circuit P0321 Ignition/Distributor Engine Speed Input Circuit Range/Performance P0322 Ignition/Distributor Engine Speed Input Circuit No Signal P0324 Knock Control System Error P0327 Knock Sensor 1 Circuit Low Bank 1 or Single Sensor P0328 Knock Sensor 1 Circuit High Bank 1 or Single Sensor P0332 Knock Sensor 2 Circuit Low Bank 2 P0333 Knock Sensor 2 Circuit High Bank 2 P0340 Camshaft Position Sensor "A" Circuit, Bank 1 or Single Sensor P0341 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 1 or Single Sensor P0342 Camshaft Position Sensor "A" Circuit Low, Bank 1 or Single Sensor P0343 Camshaft Position Sensor "A" Circuit High, Bank 1 or Single Sensor P0345 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0346 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0347 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0348 Camshaft Position Sensor "A" Circuit High, Bank 2 P0348 Camshaft Position Sensor "A" Circuit High, Bank 2 P0348 Ignition Coil "A" Primary/Secondary Circuit	P0309	Cylinder 9 Misfire Detected
P0312 Cylinder 12 Misfire Detected P0318 Rough Road Sensor "A" Signal Circuit P0321 Ignition/Distributor Engine Speed Input Circuit Range/Performance P0322 Ignition/Distributor Engine Speed Input Circuit No Signal P0324 Knock Control System Error P0327 Knock Sensor 1 Circuit Low Bank 1 or Single Sensor P0328 Knock Sensor 1 Circuit High Bank 1 or Single Sensor P0332 Knock Sensor 2 Circuit Low Bank 2 P0333 Knock Sensor 2 Circuit High Bank 2 P0340 Camshaft Position Sensor "A" Circuit, Bank 1 or Single Sensor P0341 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 1 or Single Sensor P0342 Camshaft Position Sensor "A" Circuit Low, Bank 1 or Single Sensor P0343 Camshaft Position Sensor "A" Circuit High, Bank 1 or Single Sensor P0345 Camshaft Position Sensor "A" Circuit High, Bank 1 or Single Sensor P0346 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0347 Camshaft Position Sensor "A" Circuit Low, Bank 2 P0348 Camshaft Position Sensor "A" Circuit High, Bank 2 P0348 Camshaft Position Sensor "A" Circuit High, Bank 2 P0351 Ignition Coil "A" Primary/Secondary Circuit	P0310	Cylinder 10 Misfire Detected
P0318 Rough Road Sensor "A" Signal Circuit P0321 Ignition/Distributor Engine Speed Input Circuit Range/Performance P0322 Ignition/Distributor Engine Speed Input Circuit No Signal P0324 Knock Control System Error P0327 Knock Sensor 1 Circuit Low Bank 1 or Single Sensor P0328 Knock Sensor 1 Circuit High Bank 1 or Single Sensor P0330 Knock Sensor 2 Circuit High Bank 2 P0331 Knock Sensor 2 Circuit High Bank 2 P0340 Camshaft Position Sensor "A" Circuit, Bank 1 or Single Sensor P0341 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 1 or Single Sensor P0342 Camshaft Position Sensor "A" Circuit Low, Bank 1 or Single Sensor P0343 Camshaft Position Sensor "A" Circuit High, Bank 1 or Single Sensor P0345 Camshaft Position Sensor "A" Circuit, Bank 2 P0346 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0347 Camshaft Position Sensor "A" Circuit Low, Bank 2 P0348 Camshaft Position Sensor "A" Circuit High, Bank 2 P0351 Ignition Coil "A" Primary/Secondary Circuit	P0311	Cylinder 11 Misfire Detected
P0321 Ignition/Distributor Engine Speed Input Circuit Range/Performance P0322 Ignition/Distributor Engine Speed Input Circuit No Signal P0324 Knock Control System Error P0327 Knock Sensor 1 Circuit Low Bank 1 or Single Sensor P0328 Knock Sensor 1 Circuit High Bank 1 or Single Sensor P0329 Knock Sensor 2 Circuit High Bank 2 P0330 Knock Sensor 2 Circuit Low Bank 2 P0340 Camshaft Position Sensor "A" Circuit, Bank 1 or Single Sensor P0341 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 1 or Single Sensor P0342 Camshaft Position Sensor "A" Circuit Low, Bank 1 or Single Sensor P0343 Camshaft Position Sensor "A" Circuit High, Bank 1 or Single Sensor P0345 Camshaft Position Sensor "A" Circuit, Bank 2 P0346 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0347 Camshaft Position Sensor "A" Circuit Low, Bank 2 P0348 Camshaft Position Sensor "A" Circuit High, Bank 2 P0351 Ignition Coil "A" Primary/Secondary Circuit	P0312	Cylinder 12 Misfire Detected
P0322 Ignition/Distributor Engine Speed Input Circuit No Signal P0324 Knock Control System Error P0327 Knock Sensor 1 Circuit Low Bank 1 or Single Sensor P0328 Knock Sensor 1 Circuit High Bank 1 or Single Sensor P0332 Knock Sensor 2 Circuit Low Bank 2 P0333 Knock Sensor 2 Circuit High Bank 2 P0340 Camshaft Position Sensor "A" Circuit, Bank 1 or Single Sensor P0341 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 1 or Single Sensor P0342 Camshaft Position Sensor "A" Circuit Low, Bank 1 or Single Sensor P0343 Camshaft Position Sensor "A" Circuit High, Bank 1 or Single Sensor P0345 Camshaft Position Sensor "A" Circuit, Bank 2 P0346 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0347 Camshaft Position Sensor "A" Circuit Low, Bank 2 P0348 Camshaft Position Sensor "A" Circuit High, Bank 2 P0351 Ignition Coil "A" Primary/Secondary Circuit	P0318	
P0327 Knock Control System Error P0327 Knock Sensor 1 Circuit Low Bank 1 or Single Sensor P0328 Knock Sensor 1 Circuit High Bank 1 or Single Sensor P0332 Knock Sensor 2 Circuit Low Bank 2 P0333 Knock Sensor 2 Circuit High Bank 2 P0340 Camshaft Position Sensor "A" Circuit, Bank 1 or Single Sensor P0341 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 1 or Single Sensor P0342 Camshaft Position Sensor "A" Circuit Low, Bank 1 or Single Sensor P0343 Camshaft Position Sensor "A" Circuit High, Bank 1 or Single Sensor P0345 Camshaft Position Sensor "A" Circuit, Bank 2 P0346 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0347 Camshaft Position Sensor "A" Circuit Low, Bank 2 P0348 Camshaft Position Sensor "A" Circuit High, Bank 2 P0351 Ignition Coil "A" Primary/Secondary Circuit	P0321	Ignition/Distributor Engine Speed Input Circuit Range/Performance
P0327 Knock Sensor 1 Circuit Low Bank 1 or Single Sensor P0328 Knock Sensor 1 Circuit High Bank 1 or Single Sensor P0332 Knock Sensor 2 Circuit Low Bank 2 P0333 Knock Sensor 2 Circuit High Bank 2 P0340 Camshaft Position Sensor "A" Circuit, Bank 1 or Single Sensor P0341 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 1 or Single Sensor P0342 Camshaft Position Sensor "A" Circuit Low, Bank 1 or Single Sensor P0343 Camshaft Position Sensor "A" Circuit High, Bank 1 or Single Sensor P0345 Camshaft Position Sensor "A" Circuit, Bank 2 P0346 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0347 Camshaft Position Sensor "A" Circuit Low, Bank 2 P0348 Camshaft Position Sensor "A" Circuit High, Bank 2 P0351 Ignition Coil "A" Primary/Secondary Circuit	P0322	Ignition/Distributor Engine Speed Input Circuit No Signal
P0328 Knock Sensor 1 Circuit High Bank 1 or Single Sensor P0332 Knock Sensor 2 Circuit Low Bank 2 P0333 Knock Sensor 2 Circuit High Bank 2 P0340 Camshaft Position Sensor "A" Circuit, Bank 1 or Single Sensor P0341 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 1 or Single Sensor P0342 Camshaft Position Sensor "A" Circuit Low, Bank 1 or Single Sensor P0343 Camshaft Position Sensor "A" Circuit High, Bank 1 or Single Sensor P0345 Camshaft Position Sensor "A" Circuit, Bank 2 P0346 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0347 Camshaft Position Sensor "A" Circuit Low, Bank 2 P0348 Camshaft Position Sensor "A" Circuit High, Bank 2 P0351 Ignition Coil "A" Primary/Secondary Circuit	P0324	Knock Control System Error
P0332 Knock Sensor 2 Circuit Low Bank 2 P0333 Knock Sensor 2 Circuit High Bank 2 P0340 Camshaft Position Sensor "A" Circuit, Bank 1 or Single Sensor P0341 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 1 or Single Sensor P0342 Camshaft Position Sensor "A" Circuit Low, Bank 1 or Single Sensor P0343 Camshaft Position Sensor "A" Circuit High, Bank 1 or Single Sensor P0345 Camshaft Position Sensor "A" Circuit, Bank 2 P0346 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0347 Camshaft Position Sensor "A" Circuit Low, Bank 2 P0348 Camshaft Position Sensor "A" Circuit High, Bank 2 P0351 Ignition Coil "A" Primary/Secondary Circuit	P0327	Knock Sensor 1 Circuit Low Bank 1 or Single Sensor
P0343 Knock Sensor 2 Circuit High Bank 2 P0340 Camshaft Position Sensor "A" Circuit, Bank 1 or Single Sensor P0341 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 1 or Single Sensor P0342 Camshaft Position Sensor "A" Circuit Low, Bank 1 or Single Sensor P0343 Camshaft Position Sensor "A" Circuit High, Bank 1 or Single Sensor P0345 Camshaft Position Sensor "A" Circuit, Bank 2 P0346 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0347 Camshaft Position Sensor "A" Circuit Low, Bank 2 P0348 Camshaft Position Sensor "A" Circuit High, Bank 2 P0351 Ignition Coil "A" Primary/Secondary Circuit	P0328	
P0340 Camshaft Position Sensor "A" Circuit, Bank 1 or Single Sensor P0341 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 1 or Single Sensor P0342 Camshaft Position Sensor "A" Circuit Low, Bank 1 or Single Sensor P0343 Camshaft Position Sensor "A" Circuit High, Bank 1 or Single Sensor P0345 Camshaft Position Sensor "A" Circuit, Bank 2 P0346 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0347 Camshaft Position Sensor "A" Circuit Low, Bank 2 P0348 Camshaft Position Sensor "A" Circuit High, Bank 2 P0351 Ignition Coil "A" Primary/Secondary Circuit	P0332	Knock Sensor 2 Circuit Low Bank 2
P0341 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 1 or Single Sensor P0342 Camshaft Position Sensor "A" Circuit Low, Bank 1 or Single Sensor P0343 Camshaft Position Sensor "A" Circuit High, Bank 1 or Single Sensor P0345 Camshaft Position Sensor "A" Circuit, Bank 2 P0346 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0347 Camshaft Position Sensor "A" Circuit Low, Bank 2 P0348 Camshaft Position Sensor "A" Circuit High, Bank 2 P0351 Ignition Coil "A" Primary/Secondary Circuit	P0333	
P0342 Camshaft Position Sensor "A" Circuit Low, Bank 1 or Single Sensor P0343 Camshaft Position Sensor "A" Circuit High, Bank 1 or Single Sensor P0345 Camshaft Position Sensor "A" Circuit, Bank 2 P0346 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0347 Camshaft Position Sensor "A" Circuit Low, Bank 2 P0348 Camshaft Position Sensor "A" Circuit High, Bank 2 P0351 Ignition Coil "A" Primary/Secondary Circuit	P0340	
P0343 Camshaft Position Sensor "A" Circuit High, Bank 1 or Single Sensor P0345 Camshaft Position Sensor "A" Circuit, Bank 2 P0346 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0347 Camshaft Position Sensor "A" Circuit Low, Bank 2 P0348 Camshaft Position Sensor "A" Circuit High, Bank 2 P0351 Ignition Coil "A" Primary/Secondary Circuit	P0341	
P0345 Camshaft Position Sensor "A" Circuit, Bank 2 P0346 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0347 Camshaft Position Sensor "A" Circuit Low, Bank 2 P0348 Camshaft Position Sensor "A" Circuit High, Bank 2 P0351 Ignition Coil "A" Primary/Secondary Circuit	P0342	
P0346 Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2 P0347 Camshaft Position Sensor "A" Circuit Low, Bank 2 P0348 Camshaft Position Sensor "A" Circuit High, Bank 2 P0351 Ignition Coil "A" Primary/Secondary Circuit	P0343	
P0347 Camshaft Position Sensor "A" Circuit Low, Bank 2 P0348 Camshaft Position Sensor "A" Circuit High, Bank 2 P0351 Ignition Coil "A" Primary/Secondary Circuit	P0345	·
P0348 Camshaft Position Sensor "A" Circuit High, Bank 2 P0351 Ignition Coil "A" Primary/Secondary Circuit	P0346	Camshaft Position Sensor "A" Circuit Range/Performance, Bank 2
P0351 Ignition Coil "A" Primary/Secondary Circuit	P0347	Camshaft Position Sensor "A" Circuit Low, Bank 2
	P0348	Camshaft Position Sensor "A" Circuit High, Bank 2
	P0351	Ignition Coil "A" Primary/Secondary Circuit
P0352 Ignition Coil "B" Primary/Secondary Circuit	P0352	Ignition Coil "B" Primary/Secondary Circuit

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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
P0365	Camshaft Position Sensor "B" Circuit, Bank 1
P0366	Camshaft Position Sensor "B" Circuit, Bank 1 Range/Performance
P0367	Camshaft Position Sensor "B" Circuit Low, Bank 1
P0368	Camshaft Position Sensor "B" Circuit High, Bank 1
P0380	Glow Plug/Heater Circuit "A"
P0381	Glow Plug/Heater Indicator Circuit
P0391	Camshaft Position Sensor "B" Circuit Range/Performance, Bank 2
P0392	Camshaft Position Sensor "B" Circuit Low, Bank 2
P0393	Camshaft Position Sensor "B" Circuit High, Bank 2
P0400	Exhaust Gas Recirculation Flow
P0401	Exhaust Gas Recirculation Flow Insufficient Detected
P0402	Exhaust Gas Recirculation Flow Excessive Detected
P0403	Exhaust Gas Recirculation Control Circuit
P0404	Exhaust Gas Recirculation Control Circuit Range/Performance
P0411	Secondary Air Injection System Incorrect Flow Detected
P0413	Secondary Air Injection System Switching Valve "A" Circuit Open
P0414	Secondary Air Injection System Switching Valve "A" Circuit Shorted
P0416	Secondary Air Injection System Switching Valve "B" Circuit Open
P0417	Secondary Air Injection System Switching Valve "B" Circuit Shorted
P0418	Secondary Air Injection System Control "A" Circuit
P0420	Catalyst System Efficiency Below Threshold, Bank 1
P0421	Warm Up Catalyst Efficiency Below Threshold, Bank 1
P0422	Main Catalyst Efficiency Below Threshold, Bank 1
P0423	Heated Catalyst Efficiency Below Threshold, Bank 1
P0424	Heated Catalyst Temperature Below Threshold, Bank 1
P0425	Catalyst Temperature Sensor Circuit, Bank 1 Sensor 1
P0426	Catalyst Temperature Sensor Circuit Range/Performance, Bank 1 Sensor 1
P0427	Catalyst Temperature Sensor Circuit Low, Bank 1 Sensor 1
P0428	Catalyst Temperature Sensor Circuit High, Bank 1 Sensor 1
P0429	Catalyst Heater Control Circuit, Bank 1
P0430	Catalyst System Efficiency Below Threshold, Bank 2
P0431	Warm Up Catalyst Efficiency Below Threshold, Bank 2
P0432	Main Catalyst Efficiency Below Threshold, Bank 2
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P0441	Evaporative Emission System Incorrect Purge Flow
P0442	Evaporative Emission System Leak Detected (small leak)
P0444	Evaporative Emission System Purge Control Valve Circuit Open
P0445	Evaporative Emission System Leak Detected (large leak)
P0449	Evaporative Emission System Vent Valve/Solenoid Circuit
P0455	Evaporative Emission System Leak Detected (large leak)
P0456	Evaporative Emission System Leak Detected (very small leak)
P0458	Evaporative Emission System Purge Control Valve Circuit Low
P0459	Evaporative Emission System Purge Control Valve Circuit High
P0480	Fan 1 Control Circuit
P0481	Fan 2 Control Circuit
P0489	Exhaust Gas Recirculation Control Circuit Low
P0490	Exhaust Gas Recirculation Control Circuit High
P0491	Secondary Air Injection System Insufficient Flow, Bank 1
P0492	Secondary Air Injection System Insufficient Flow, Bank 2
P0498	Evaporative Emission System Vent Valve Control Circuit Low
P0499	Evaporative Emission System Vent Valve Control Circuit High
P0501	Vehicle Speed Sensor "A" Range/Performance
P0505	Idle Air Control System
P0506	Idle Air Control System RPM Lower Than Expected
P0507	Idle Air Control System RPM Higher Than Expected
P0510	Closed Throttle Position Switch
P0544	Exhaust Gas Temperature Sensor Circuit, Bank 1 Sensor 1
P0545	Exhaust Gas Temperature Sensor Circuit Low, Bank 1 Sensor 1
P0546	Exhaust Gas Temperature Sensor Circuit High, Bank 1 Sensor 1
P0562	System Voltage Low
P0563	System Voltage High
P0564	Cruise Control Multi-Function Input "A" Circuit
P0597	Thermostat Heater Control Circuit/Open
P0598	Thermostat Heater Control Circuit Low
P0599	Thermostat Heater Control Circuit High
P0600	Serial Communication Link
P0601	Internal Control Module Memory Check Sum Error
P0602	Control Module Programming Error
P0603	Internal Control Module Keep Alive Memory (KAM) Error
P0604	Internal Control Module Random Access Memory (RAM) Error
P0605	Internal Control Module Read Only Memory (ROM) Error
P0606	Control Module Processor
P0607	Control Module Performance
P0608	Control Module VSS Output "A"
P0609	Control Module VSS Output "B"
P0613	TCM Processor
P0614	ECM / TCM Incompatible
P0627	Fuel Pump "A" Control Circuit/Open
P0629	Fuel Pump "A" Control Circuit High

P0638 P0639	Throttle Actuator Control Range/Performance, Bank 1 Throttle Actuator Control Range/Performance, Bank 2
P0641	Sensor Reference Voltage "A" Circuit/Open
P0642	Sensor Reference Voltage "A" Circuit Low
P0643	Sensor Reference Voltage "A" Circuit High
P0651	Sensor Reference Voltage "B" Circuit/Open
P0652	Sensor Reference Voltage "B" Circuit Low
P0653	Sensor Reference Voltage "B" Circuit High
P0657	Actuator Supply Voltage "A" Circuit/Open
P0658	Actuator Supply Voltage "A" Circuit Low
P0659	Actuator Supply Voltage "A" Circuit High
P0670	Glow Plug Control Module Control Circuit/Open
P0671	Cylinder 1 Glow Plug Circuit/Open
P0672	Cylinder 2 Glow Plug Circuit/Open
P0673	Cylinder 3 Glow Plug Circuit/Open
P0674	Cylinder 4 Glow Plug Circuit/Open
P0675	Cylinder 5 Glow Plug Circuit/Open
P0676	Cylinder 6 Glow Plug Circuit/Open
P0677	Cylinder 7 Glow Plug Circuit/Open
P0678	Cylinder 8 Glow Plug Circuit/Open
P0679	Cylinder 9 Glow Plug Circuit/Open
P0680	Cylinder 10 Glow Plug Circuit/Open
P0684	Glow Plug Control Module to PCM Communication Circuit
	Range/Performance
P0685	ECM/PCM Power Relay Control Circuit/Open
P0686	ECM/PCM Power Relay Control Circuit Low
P0687	ECM/PCM Power Relay Control Circuit High
P0688	ECM/PCM Power Relay Sense Circuit/Open
P0691	Fan 1 Control Circuit Low
P0692	Fan 1 Control Circuit High
P0693	Fan 2 Control Circuit Low
P0694	Fan 2 Control 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 (MIL Request)
P0701	Transmission Control System Range/Performance
P0702	Transmission Control System Electrical
P0704	Clutch Switch Input Circuit
P0705	Transmission Range Sensor "A" Circuit (PRNDL Input)
P0706	Transmission Range Sensor "A" Circuit Range/Performance
P0710	Transmission Fluid Temperature Sensor "A" Circuit
P0711	Transmission Fluid Temperature Sensor "A" Circuit Range/Performance
P0712	Transmission Fluid Temperature Sensor "A" Circuit Low

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A" Performance/Stuck Off
A" Stuck On
A" Electrical
B" Performance/Stuck Off
B" Stuck On
B" Electrical
C" Performance/Stuck Off
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C" Electrical
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P0783	3-4 Shift
P0784	4-5 Shift
P0785	Shift Timing Solenoid "A"
P0791	Intermediate Shaft Speed Sensor "A" Circuit
P0796	Pressure Control Solenoid "C" Performance/Stuck Off
P0797	Pressure Control Solenoid "C" Stuck On
P0798	Pressure Control Solenoid "C" Electrical
P0799	Pressure Control Solenoid "C" Intermittent
P0811	Excessive Clutch "A" Slippage
P0820	Gear Lever X-Y Position Sensor Circuit
P0821	Gear Lever X Position Circuit
P0822	Gear Lever Y Position Circuit
P0829	5-6 Shift
P0838	Four Wheel Drive (4WD) Switch Circuit Low
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
P0845	Transmission Fluid Pressure Sensor/Switch "B" Circuit
P0846	Transmission Fluid Pressure Sensor/Switch "B" Circuit
	Range/Performance
P0863	TCM Communication Circuit
P0864	TCM Communication Circuit Range/Performance
P0865	TCM Communication Circuit Low
P0884	TCM Power Input Signal Intermittent
P0886	TCM Power Relay Control Circuit Low
P0887	TCM Power Relay Control Circuit High
P0889	TCM Power Relay Sense Circuit Range/Performance
P0890	TCM Power Relay Sense Circuit Low
P0891	TCM Power Relay Sense Circuit High
P0892	TCM Power Relay Sense Circuit Intermittent
P0914	Gear Shift Position Circuit
P0915	Gear Shift Position Circuit Range/Performance
P0918	Gear Shift Position Circuit Intermittent
P0919	Gear Shift Position Control Error
P0929	Gear Shift Lock Solenoid Control Circuit Range/Performance
P1009	Air Mass Meter 1/2 Implausible Signal from Load Detection
P1026	Activation Intake Manifold Flap for Air Stream Regulation Short Circuit to B+
P1027	Activation Intake Manifold Flap for Air Stream Regulation Short Circuit to Ground (GND)
P1028	Activation Intake Manifold Flap for Air Stream Regulation Open Circuit
P1073	Mass Air Flow (MAF) Sensor 2 -G246- Signal Too Small
P1074	Mass Air Flow (MAF) Sensor 2 -G246- Signal Too Large
P1081	Exhaust-Bank3, Mixture Adaptation Range 1 Lower Lean Limit Not
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	Reached
P1082	Exhaust-Bank3, Mixture Adaptation Range 2 Lower Lean Limit Not Reached
P1083	Exhaust-Bank3, Mixture Adaptation Range 1 Rich Limit Exceeded
P1084	Exhaust-Bank3, Mixture Adaptation Range 2 Rich Limit Exceeded
P1085	Exhaust-Bank4, Mixture Adaptation Range 1 Lower Lean Limit Not Reached
P1086	Exhaust-Bank4, Mixture Adaptation Range 2 Lower Lean Limit Not Reached
P1087	Exhaust-Bank4, Mixture Adaptation Range 1 Rich Limit Exceeded
P1088	Exhaust-Bank4, Mixture Adaptation Range 2 Rich Limit Exceeded
P1102	HO2S Heater Control Circuit (Bank 1 Sensor 1) High
P1103	Bank1-Probe1, Heating Circuit Output Too Low
P1105	HO2S Heater Control Circuit (Bank 1 Sensor 2) High
P1107	HO2S Heater Control Circuit (Bank 2 Sensor 1) High
P1110	HO2S Heater Control Circuit (Bank 2 Sensor 2) High
P1113	Bank1, Sensor 1 Internal Resistance Too Large
P1114	Bank 1, sensor 2 Internal resistance too large
P1115	HO2S Heater Control Circuit (Bank 1 Sensor 1) Low
P1116	HO2S Heater Control Circuit (Bank 1 Sensor 1)
P1117	HO2S Heater Control Circuit (Bank 1 Sensor 2) Low
P1118	HO2S Heater Control Circuit (Bank 1 Sensor 2)
P1127	Bank1, Mixture Adaption (mult.) System Too Rich
P1128	Bank1, Mixture Adaption (mult.) System Too Lean
P1129	Bank2, Mixture Adaption (mult.) System Too Rich
P1130	Bank2, Mixture Adaption (mult.) System Too Lean
P1136	Bank1, Mixture Adaption (add.) System Too Lean
P1137	Bank1, Mixture Adaption (add.) System Too Rich
P1138	Bank2, mixture adaption (add.) system too lean
P1139	Bank2, Mixture Adaption (add.) System Too Rich
P1141	Load Detection Implausible Value
P1142	Load Detection Value Below Lower Limit
P1143	Load Detection Value Above Upper Limit
P1144	Mass Air Flow (MAF) Sensor -G70- Open Circuit/Short Circuit to Ground (GND)
P1145	Mass Air Flow (MAF) Sensor -G70- Short Circuit to B+
P1146	Air Mass Meter -G70 Supply Voltage
P1151	Long Term Fuel Trim Additive Air., Area 1 System Too Lean
P1152	Long Term Fuel Trim Additive Air., Area 2 System Too Lean
P1155	Manifold Absolute Pressure (MAP) Sensor -G71- Short Circuit to B+
P1156	Manifold Absolute Pressure (MAP) Sensor -G71- Open Circuit/Short to Ground (GND)
P1157	Manifold Absolute Pressure/Barometric Pressure Circuit
P1160	Intake Air Temperature (IAT) Sensor -G72- Short Circuit to Ground (GND)

P1161	Intake Air Temperature (IAT) Sensor -G72- Open Circuit/Short Circuit to B+
P1162	Fuel Temperature Sensor A Circuit Low
P1163	Fuel Temperature Sensor A Circuit High
P1164	Fuel Temperature Sensor -G81- Unplausible Signal
P1165	Long Term Fuel Trim Additive Air., Area 1 System Too Rich
P1166	Long Term Fuel Trim Additive Air., Area 2 System Too Rich
P1167	Mass Air Flow (MAF) Sensor 2 -G246- Unplausible Signal
P1171	Angle Sender 2 for Throttle Valve Drive -G188 Implausible Signal
P1172	Angle Sender 2 for Throttle Valve Drive -G188 Signal Too Low
P1173	Angle sender 2 for throttle valve drive -G188 Signal Too High
P1174	Fuel Trim, Bank 1 Injection Timing Deviation
P1175	Pre-Injection Switched Off
P1176	Bank1, Lambda Correction Downstream of Catalyst Control Limit Reached
P1177	Bank2, Lambda Correction Downstream of Catalyst Control Limit Reached
P1196	O2 Sensor Heater Circuit, Bank1 Sensor1 Electrical Fault
P1197	O2 Sensor Heater Circuit, Bank2 Sensor1 Electrical Fault
P1198	O2 Sensor Heater Circuit, Bank1 Sensor2 Eletrical Fault
P1199	HO2S Heater Control Circuit, Bank2 Sensor2
P1213	Cylinder 1 Injector Circuit High
P1214	Cylinder 2 Injector Circuit High
P1215	Cylinder 3 Injector Circuit High
P1216	Cylinder 4 Injector Circuit High
P1217	Cylinder 5 Fuel Injector -N83- Short circuit to B+
P1218	Cylinder 6 Fuel Injector -N84- Short circuit to B+
P1225	Cylinder 1 Injector Circuit Low
P1226	Cylinder 2 Injector Circuit Low
P1227	Cylinder 3 Injector Circuit Low
P1228	Cylinder 4 Injector Circuit Low
P1229	Cylinder 5 Fuel Injector -N83- Short Circuit to Ground (GND)
P1230	Cylinder 6 Fuel Injector -N84- Short Circuit to Ground (GND)
P1237	Cylinder 1 Injector -N30 Open Circuit
P1238	Cylinder 2 Injector -N31 Open Circuit
P1239	Cylinder 3 Injector -N32 Open Circuit
P1240	Cylinder 4 Injector -N33 Open Circuit
P1241	Cylinder 5 Injector -N83 Open Circuit
P1242	Cylinder 6 Injector -N84 Open Circuit
P1245	Needle Lift Sensor -G80- Short Circuit to Ground (GND)
P1246	Needle Lift Sender -G80 Implausible Signal
P1247	Needle Lift Sensor -G80- Open Circuit/Short Circuit to B+
P1248	Injection Pump Fuel Metering Control (A) Range/Performance
P1250	Fuel Level Too Low
P1251	Cold Start Injector -N108- Short Circuit to B+
P1252	Cold Start Injector -N108- Open Circuit/Short Circuit to Ground

	GND)
P1255	Engine Coolant Temperature (ECT) Sensor -G62- Short Circuit to Ground
P1256	Engine Coolant Temperature (ECT) Sensor -G62- Open Circuit/Short Circuit to B+
P1280	Air Control Valve for Injectors -N212 Air Flow Too Low
P1296	Malfunction in Cooling System
P1300	Misfire Detected Low Fuel
P1321	Knock Sensor 3-G198 Signal Too Low
P1322	Knock Sensor 3-G198 Signal Too High
P1323	Knock Sensor 4-G199 Signal Too Low
P1324	Knock Sensor 4-G199 Signal Too High
P1335	Engine Torque Monitoring 2 Value Above Upper Control Limit
P1336	EngineTorque Monitoring Value Above Upper Control Limit
P1337	Bank1, Camshaft Position (CMP) =>Sensor -G40- Short Circuit to Ground (GND)
P1338	Bank 1, Camshaft Position (CMP) Sensor -G40- = > Open Circuit/Short Circuit to Ground (GND)
P1340	Camshaft Position Sensor-G40, Engine Speed Sensor-G28 Incorrect Allocation
P1341	Ignition Coil Power Output Stage 1 Short Circuit to Ground (GND)
P1343	Ignition Coil Power Output Stage 2 Short circuit to Ground (GND)
P1345	Ignition Coil Power Output Stage 3 Short Circuit to Ground (GND)
P1354	Modulating Piston Movement Sender -G149 Electrical Fault in Circuit
P1355	Ignition Activation Cylinder 1 Open Circuit
P1356	Ignition Activation Cylinder 1 Short Circuit to B+
P1357	Ignition Activation Cylinder 1 Short Circuit to Ground (GND)
P1358	Ignition Activation Cylinder 2 Open Circuit
P1359	Ignition Activation Cylinder 2 Short Circuit to B+
P1360	Ignition Activation Cylinder 2 Short Circuit to Ground (GND)
P1361	Ignition Activation Cylinder 3 Open Circuit
P1362	Ignition Activation Cylinder 3 Short Circuit to B+
P1363	Ignition Activation Cylinder 3 Short Circuit to Ground (GND)
P1364	Ignition Activation Cylinder 4 Open Circuit
P1365	Ignition Activation Cylinder 4 Short Circuit to B+
P1366	Ignition Activation Cylinder 4 Short Circuit to Ground (GND)
P1387	Internal Control Module Memory Check Sum Error
P1388	Internal Control Module Memory Check Sum Error
P1391	Bank2, Camshaft Position (CMP) =>Sensor 2 -G163- Short Circuit to Ground (GND)
P1392	Bank2, Camshaft Position (CMP) = >Sensor 2 -G163- Open Circuit/Short Circuit to B+
P1393	Ignition Output 1 Electrical Fault in Circuit
P1394	Ignition Output 2 Electrical Fault in Circuit
P1395	Ignition Output 3 Electrical Fault in Circuit

P1401	EGR Vacuum Regulator Solenoid Valve -N18- Short Circuit to Ground (GND)
P1402	EGR Vacuum Regulator Solenoid Valve -N18- Short Circuit to B+
P1407	Exhaust Gas Recirculatio Sensor (A) Circuit Low
P1408	Exhaust Gas Recirculatio Sensor (A) Circuit High
P1410	Evaporative Emission (EVAP) Canister Purge Regulator Valve - N80- Short Circuit to B+
P1411	Bank2, Secondary Air System Air Flow Too Low
P1413	Pressure Sensor for Exhaust Gas Recirculation Signal Too High
P1414	Bank2, Secondary Air System Leak Detected
P1418	Fuel Level Sensor (A) Circuit High
P1420	Secondary Air Injection System Switching Valve (A) Circuit Malfunction
P1421	Secondary Air Injection (AIR) Solenoid Valve -N112- Short Circuit to Ground (GND)
P1422	Secondary Air Injection (AIR) Solenoid Valve -N112- Short Circuit to B+
P1424	Bank1, Secondary Air System Leak Detected
P1425	Evaporative Emission (EVAP) Canister Purge Regulator Valve - N80- Short Circuit to Ground (GND)
P1426	Evaporative Emission System Pure Control Valve Circuit Open
P1432	Secondary Air Injection System Switching Valve (A) Circuit Open
P1433	Secondary Air Pump Relay-J299 Open Circuit
P1434	Secondary Air Injection (AIR) Pump Relay -J299- Short Circuit to B+
P1435	Secondary Air Injection (AIR) Pump Relay -J299- Short Circuit to Ground (GND)
P1437	Valve -2- for EGR -N213- Short Circuit to B+
P1438	Valve -2- for EGR -N213- Open Circuit/Short Circuit to Ground (GND)
P1440	Exhaust Gas Recirculation Valve -N18 Open Circuit
P1441	Exhaust Gas Recirculation Valve -N18- Open Circuit/Short Circuit to Ground (GND)
P1446	Temperature Sensor 1 for Catalyst -G20- Short Circuit to Ground (GND)
P1450	Secondary Air Injection System Short Circuit to B+
P1451	Secondary Air Injection System Short Circuit to Ground (GND)
P1452	Secondary Air System Open Circuit
P1467	Evaporative Emission (EVAP) Canister Purge Solenoid Valve - N115- Short to B+
P1468	Evaporative Emission (EVAP) Canister Purge Solenoid Valve - N115- Short to Ground
P1469	Evaporative Emission (EVAP) Canister Purge Solenoid Valve - N115- Open
P1471	EVAP Emission Control LPD Circuit Short Circuit to B+
P1472	EVAP Emission Control LPD Circuit Short Circuit to Ground (GND)
P1473	Leak Diagnosis Pump - Tank Breather System Open Circuit

P1475	Leak Diagnosis Pump - Tank Breather System Malfunction/No Signal
P1476	Leak Diagnosis Pump - Tank Breather System Malfunction/Vacuum Too Low
P1477	Leak Diagnosis Pump - Tank Breather System Malfunction
P1482	Secondary Air Injection (AIR) Pump Relay 2 -J545- Short Circuit to B+
P1483	Secondary Air Injection (AIR) Pump Relay 2 -J545- Short Circuit to Ground (GND)
P1484	Secondary Air Injection (AIR) Pump Relay 2 -J545- Electrical Malfunction in Circuit
P1489	Evaporative Emission (EVAP) Canister Purge Regulator Valve 2 - N333- Short Circuit to B+
P1490	Evaporative Emission (EVAP) Canister Purge Regulator Valve 2 - N333- Short Circuit to Ground (GND)
P1491	Evaporative Emission (EVAP) Canister Purge Regulator Valve 2 - N333- Open Circuit
P1497	Secondary Air System, Bank 3 Flow Faulty
P1498	Secondary Air System, Bank 4 Flow Faulty
P1500	Fuel Pump Primary Circuit Fault in Electrical Circuit
P1501	Fuel Pump (FP) Relay -J17- Short Circuit to Ground (GND)
P1502	Fuel Pump (FP) Relay -J17- Short circuit to B+
P1505	Idling Switch -F60 Does Not Close/Open Circuit
P1506	Closed Thottle Position (CTP) Switch -F60- Does Not Open/Short Circuit to Ground (GND)
P1517	Main Relay =>-J271 Electrical Fault in Circuit
P1519	A' Camshaft Position Actuator Circuit Bank 1 Malfunction
P1522	A' Camshaft Position Actuator Circuit Bank 2 Malfunction
P1541	Fuel Pump Relay -J17 Open Circuit
P1542	Angle Sender 1 for Throttle Valve Drive -G187 Implausible Signal
P1543	Angle Sender 1 for Throttle Valve Drive -G187 Signal Too Low
P1544	Angle Sender 1 for Throttle Valve Drive -G187 Signal Too High
P1545	Throttle Valve Control System Malfunction
P1546	Turbo/Super Charger Wastegate Solenoid (A) High Input/Short to B+
P1549	Turbo/Super Charger Wastegate Solenoid (A) Open/Short Circuit to Ground
P1556	Turbo/Super Charger Boost Sensor (A) Circuit Control Limit Not Reached
P1557	Turbo/Super Charger Overboost Condition Control Limit Exceeded
P1558	Throttle Valve Drive -G186 Electrical Fault in Circuit
P1559	Throttle Valve Control Part -J338- Fault in Basic Settings
P1560	Engine Overspeed Condition
P1562	Quantity Adjuster -N146 Upper Limit Stop Value
P1563	Quantity Adjuster -N146 Lower Limit Stop Value
P1565	Throttle Valve Control Part -J338- Lower Stop Not Reached
P1568	Throttle Valve Control Module -J338- Mechanical Malfunction

P1580	Throttle Valve Drive - Bank 1 Malfunction
P1582	Idling Speed Regulation Adaptation Limit Reached
P1592	Height Sensor/Charge Pressure Sensor Unplausible Ratio
P1603	Internal Control Module Memory Check Sum Error
P1604	Internal Control Module Memory Check Sum Error
P160C	Coolant Pump2 Control Circuit Open
P160E	Coolant Pump 2 Control Circuit Low
P160F	Coolant Pump 2 Control Circuit High
P1611	Request MIL on Short Circuit to Ground (GND)
P1612	Engine Control Unit Incorrect Coding
P1613	Request MIL on Open Circuit/Short Circuit to B+
P1618	Glow Plug Relay -J52- Short Circuit to B+
P1619	Glow Plug Relay -J52- Open Circuit/Short Circuit to Ground (GND)
P1625	Data-Bus-Drivetrain Implausible Message From Transmission Control Module
P1626	Data-Bus-Drivetrain Missing Message From Transmission Control Module
P1629	Data-Bus-Drivetrain Missing Message From ADC Control Module
P1630	Throttle/Pedal Position Sensor/Switch -C- Circuit Low
P1631	Throttle/Pedal Position Sensor/Switch -C- Circuit High
P1632	Throttle/Pedal Position Sensor/Switch -C- Circuit Voltage Supply
P1633	Accelerator Pedal Position Sender 2 -G185 Signal Too Low
P1634	Accelerator Pedal Position Sender 2 -G185 Signal Too High
P1639	Throttle/Pedal Position Sensor/Switch -C- Circuit High
P1640	Internal Control Module Memory Check Sum Error
P1647	Checking Coding/Versions of Control Modules in CAN-Bus
P1648	Data-Bus-Driving Gear Faulty
P1649	Data-Bus-Drivetrain Missing Message From ABS Control Module
P1650	Data-Bus-Drivetrain Missing Message From Instrument Cluster
P1673	Speed Signal Malfunction Message Fom ABS Control Module
P1681	Control Unit Programming Programming Not Finished
P1702	Malfunction Cannot Activate Envisioned Replacement Function, Since Another Malfunction With Equal Pritority is Present
P1745	Voltage Supply for Solenoid Valves Short Circuit to B+
P1746	Supply Voltage for Solenoid Valves Electrical Fault in Circuit
P1747	Voltage supply for solenoid valves Open circuit/short circuit to Ground (GND)
P1748	Internal Control Module Memory Check Sum Error
P1750	System Voltage Low Voltage
P1751	System Voltage High Voltage
P1778	Valve 7 Electrical Fault in Circuit
P1780	Torque Withdrawal Faulty
P1813	Pressure Control Valve 1 -N215 Electrical Fault in Circuit
P1814	Pressure Control Valve -1- for Auto. Transmission -N215- Open
Ι	1

	Circuit/Short Circuit to Ground (GND)
P1815	Pressure Control Valve -1- for Auto. Transmission -N215- Short
	Circuit to B+
P1818	Pressure Control Valve 2 -N216 Electrical Fault in Circuit
P1819	Pressure Control Valve -2- for Auto. Transmission -N216- Open Circuit/Short Circuit to Ground (GND)
P1820	Pressure Control Valve -2- for Auto. Transmission -N216- Short Circuit to B+
P1823	Pressure Control Valve 3 -N217 Electrical Fault in Circuit
P1824	Pressure Control Valve -3- for Auto. Transmission -N217- Open Circuit/Short Circuit to Ground (GND)
P1825	Pressure Control Valve -3- for Auto. Transmission -N217- Short Circuit to B+
P1828	Pressure Control Valve 4 -N218 Electrical Fault in Circuit
P1829	Pressure Control Valve -4- for Auto. Transmission -N218- Open Circuit/Short Circuit to Ground (GND)
P1830	Pressure Control Valve -4- for Auto. Transmission -N218- Short Circuit to B+
P1841	Engine control module/Transmission Control Module (TCM) Versions not compatible
P1850	Data-Bus-Drivetrain Missing Message From Engine Control Module
P1854	Data-Bus-Driving Fear Hardware Faulty
P1855	Data-Bus-Driving Gear Software Version Monitoring
P1857	Load Signal Fault Signal From Engine Control Unit
P1861	Throttle Position (TP) Sensor -G79- Malfunction Indication From Engine Control Module (ECM)
P1866	Data-Bus-Driving Fear Missing Messages
P1924	Control Module Pin Coding Unplausible Signal
P1953	Turbocharger (TC) Control Module 2 Faulty
P1954	Automatic Glow Time Control Module 2, Electrical Circuit Electrical Malfunction Electrical Circuit
P1955	Glow Plug Control Module 2 to PCM Comm. Circuit Range/Performance
P2004	Intake Manifold Runner Control Stuck Open
P2008	Intake Manifold Runner Control Circuit/Open, Bank 1
P2014	Intake Manifold Runner Position Sensor/Switch Circuit, Bank 1
P2015	Intake Manifold Runner Position Sensor/Switch Circuit Range/Performance, Bank 1
P2016	Intake Manifold Runner Position Sensor/Switch Circuit Low, Bank 1
P2088	A Camshaft Position Actuator Control Circuit Low, Bank 1
P2089	A Camshaft Position Actuator Control Circuit High, Bank 1
P2090	B Camshaft Position Actuator Control Circuit Low, Bank 1
P2091	B Camshaft Position Actuator Control Circuit High, Bank 1
P2092	A Camshaft Position Actuator Control Circuit Low, Bank 2
P2093	A Camshaft Position Actuator Control Circuit High, Bank 2
P2094	B Camshaft Position Actuator Control Circuit Low, Bank 2

P2095	B Camshaft Position Actuator Control Circuit High, Bank 2
P2096	Post Catalyst Fuel Trim System Too Lean Bank 1
P2097	Post Catalyst Fuel Trim System Too Rich Bank 1
P2098	Post Catalyst Fuel Trim System Too Lean Bank 2
P2099	Post Catalyst Fuel Trim System Too Rich Bank 2
P2100	Throttle Actuator Control Motor Circuit/Open
P2101	Throttle Actuator Control Motor Circuit Range/Performance
P2102	Throttle Actuator Control Motor Circuit Low
P2103	Throttle Actuator Control Motor Circuit High
P2106	Throttle Actuator Control System - Forced Limited Power
P2108	Throttle Actuator Control Module Performance
P2110	Throttle Actuator Control System - Forced Limited RPM
P2122	Throttle/Pedal Position Sensor/Switch "D" Circuit Low
P2123	Throttle/Pedal Position Sensor/Switch "D" Circuit High
P2127	Throttle/Pedal Position Sensor/Switch "E" Circuit Low
P2128	Throttle/Pedal Position Sensor/Switch "E" Circuit High
P2133	Throttle/Pedal Position Sensor/Switch "F" Circuit High
P2138	Throttle/Pedal Position Sensor/Switch "D"/"E" Voltage Correlation
P2146	Fuel Injector Group "A" Supply Voltage Circuit/Open
P2149	Fuel Injector Group "B" Supply Voltage Circuit/Open
P2152	Fuel Injector Group "C" Supply Voltage Circuit/Open
P2177	System Too Lean Off Idle, Bank 1
P2178	System Too Rich Off Idle, Bank 1
P2179	System Too Lean Off Idle, Bank 2
P2180	System Too Rich Off Idle, Bank 2
P2181	Cooling System Performance
P2184	Engine Coolant Temperature Sensor 2 Circuit Low
P2185	Engine Coolant Temperature Sensor 2 Circuit High
P2187	System Too Lean at Idle, Bank 1
P2188	System Too Rich at Idle, Bank 1
P2189	System Too Lean at Idle
P2190	System Too Rich at Idle
P2191	System Too Lean at Higher Load, Bank 1
P2192	System Too Rich at Higher Load, Bank 1
P2193	System Too Lean at Higher Load, Bank 2
P2194	System Too Rich at Higher Load, Bank 2
P2195	O2 Sensor Signal Biased/Stuck Lean, Bank 1 Sensor 1
P2196	O2 Sensor Signal Biased/Stuck Rich, Bank 1 Sensor 1
P2197	O2 Sensor Signal Biased/Stuck Lean
P2198	O2 Sensor Signal Biased/Stuck Rich, Bank 2 Sensor 1
P2199	Intake Air Temperature Sensor 1/2 Correlation
P2231	O2 Sensor Signal Circuit Shorted to Heater Circuit, Bank 1 Sensor 1
P2234	O2 Sensor Signal Circuit Shorted to Heater Circuit, Bank 2 Sensor 1
P2237	O2 Sensor Positive Current Control Circuit/Open, Bank 1 Sensor 1

P2238	O2 Sensor Positive Current Control Circuit Low
P2239	O2 Sensor Positive Current Control Circuit High
P2240	O2 Sensor Positive Current Control Circuit/Open, Bank 2 Sensor 1
P2241	O2 Sensor Positive Current Control Circuit Low
P2242	O2 Sensor Positive Current Control Circuit High
P2243	O2 Sensor Reference Voltage Circuit/Open, Bank 1 Sensor 1
P2245	O2 Sensor Reference Voltage Circuit Low
P2246	O2 Sensor Reference Voltage Circuit High
P2247	O2 Sensor Reference Voltage Circuit/Open, Bank 2 Sensor 1
P2249	O2 Sensor Reference Voltage Circuit Low
P2250	O2 Sensor Reference Voltage Circuit High
P2251	O2 Sensor Negative Current Control Circuit/Open, Bank 1 Sensor 1
P2252	O2 Sensor Negative Current Control Circuit Low
P2253	O2 Sensor Negative Current Control Circuit High
P2254	O2 Sensor Negative Current Control Circuit/Open, Bank 2 Sensor 1
P2255	O2 Sensor Negative Current Control Circuit Low
P2256	O2 Sensor Negative Current Control Circuit High
P2257	Secondary Air Injection System Control "A" Circuit Low
P2258	Secondary Air Injection System Control "A" Circuit High
P2263	Turbocharger/Supercharger Boost System Performance
P2270	O2 Sensor Signal Stuck Lean, Bank 1 Sensor 2
P2271	O2 Sensor Signal Stuck Rich, Bank 1 Sensor 2
P2272	O2 Sensor Signal Stuck Lean, Bank 1 Sensor 2
P2273	O2 Sensor Signal Stuck Rich, Bank 1 Sensor 2
P2274	O2 Sensor Signal Stuck Lean, Bank 1 Sensor 3
P2275	O2 Sensor Signal Stuck Rich, Bank 1 Sensor 3
P2279	Intake Air System Leak
P2293	Fuel Pressure Regulator 2 Performance
P2294	Fuel Pressure Regulator 2 Control Circuit
P2295	Fuel Pressure Regulator 2 Control Circuit Low
P2296	Fuel Pressure Regulator 2 Control Circuit High
P2300	Ignition Coil "A" Primary Control Circuit Low
P2301	Ignition Coil "A" Primary Control Circuit High
P2303	Ignition Coil "B" Primary Control Circuit Low
P2304	Ignition Coil "B" Primary Control Circuit High
P2306	Ignition Coil "C" Primary Control Circuit Low
P2307	Ignition Coil "C" Primary Control Circuit High
P2309	Ignition Coil "D" Primary Control Circuit Low
P2310	Ignition Coil "D" Primary Control Circuit High
P2312	Ignition Coil "E" Primary Control Circuit Low
P2313	Ignition Coil "E" Primary Control Circuit High
P2315	Ignition Coil "F" Primary Control Circuit Low Ignition Coil "F" Primary Control Circuit High
P2316	

P2400	Evaporative Emission System Leak Detection Pump Control Circuit/Open
P2401	Evaporative Emission System Leak Detection Pump Control Circuit Low
P2402	Evaporative Emission System Leak Detection Pump Control Circuit High
P2403	Evaporative Emission System Leak Detection Pump Sense Circuit/Open
P2404	Evaporative Emission System Leak Detection Pump Sense Circuit Range/Performance
P2413	Exhaust Gas Recirculation System Performance
P2414	O2 Sensor Exhaust Sample Error, Bank 1 Sensor 1
P2415	O2 Sensor Exhaust Sample Error, Bank 2 Sensor 1
P2416	O2 Sensor Signals Swapped, Bank 1 Sensor 2/Bank 1 Sensor 3
P2422	Evaporative Emission System Vent Valve Stuck Closed
P2425	Exhaust Gas Recirculation Cooling Valve Control Circuit/Open
P2426	Exhaust Gas Recirculation Cooling Valve Control Circuit Low
P2427	Exhaust Gas Recirculation Cooling Valve Control Circuit High
P2539	Low Pressure Fuel System Sensor Circuit
P2540	Low Pressure Fuel System Sensor Circuit Range/Performance
P2541	Low Pressure Fuel System Sensor Circuit Low
P2564	Turbocharger Boost Control Position Sensor "A" Circuit Low
P2565	Turbocharger Boost Control Position Sensor "A" Circuit High
P2600	Coolant Pump Control Circuit/Open
P2602	Coolant Pump Control Circuit Low
P2603	Coolant Pump Control Circuit High
P2626	O2 Sensor Pumping Current Trim Circuit/Open, Bank 1 Sensor 1
P2629	O2 Sensor Pumping Current Trim Circuit/Open, Bank 1 Sensor 1
P2632	Fuel Pump "B" Control Circuit /Open
P2634	Fuel Pump "B" Control Circuit High
P2637	Torque Management Feedback Signal "A"
P2714	Pressure Control Solenoid "D" Performance/Stuck Off
P2715	Pressure Control Solenoid "D" Stuck On
P2716	Pressure Control Solenoid "D" Electrical
P2717	Pressure Control Solenoid "D" Intermittent
P2723	Pressure Control Solenoid "E" Performance/Stuck Off
P2724	Pressure Control Solenoid "E" Stuck On
P2725	Pressure Control Solenoid "E" Electrical
P2726	Pressure Control Solenoid "E" Intermittent
P2732	Pressure Control Solenoid "F" Performance/Stuck Off
P2733	Pressure Control Solenoid "F" Stuck On
P2734	Pressure Control Solenoid "F" Electrical
P2735	Pressure Control Solenoid "F" Intermittent
P3000	Glow Plug Indictor Light -K29- Malfunction Message From Instrument Cluster
P3011	Fuel Pump (FP) 2 Relay -J49- Short Circuit to B+

P3025 P3026	Angle Sensor 1 (on Throttle Drive 2 Power Accelerator Actuation) -
P3026	G297- Unplausible Signal
1 3020	Angle Sensor 1 (on Throttle Drive 2 Power Accelerator Actuation) - G297- Signal Too Small
P3027	Angle Sensor 1 (on Throttle Drive 2 Power Accelerator Actuation) - G297- Signal Too Large
P3028	Angle Sensor 2 (on Throttle Drive 2 Power Accelerator Actuation) - G298- Unplausible Signal
P3029	Angle Sensor 2 (on Throttle Drive 2 Power Accelerator Actuation) - G298- Signal Too Small
P3030	Angle Sensor 2 (on Throttle Drive 2 Power Accelerator Actuation) - G298- Signal Too Large
P3031	Throttle Drive 2 (Power Accelerator Actuation) -G296- Electrical Malfunction in Circuit
P3032	Throttle Valve Control Module 2 -J544- Malfunction in Basic Setting
P3033	Intake Air Temperature (IAT) Sensor 2 -G299- Signal Too Small
P3034	Intake Air Temperature (IAT) Sensor 2 -G299- Signal Too Large
P3035	Throttle Valve Control Module 2 -J544- Mechanical Malfunction
P3038	Throttle Valve Control Module 2 -J544- Lower Impact Is Not Being Reached
P3047	Activation Starter Relay 2 Short Circuit to B+
P3048	Activation Starter Relay 2 Short Circuit to Ground (GND)
P3049	Activation Starter Relay 2 Open Circuit
P3057	Exhaust Pressure Sensor 2 High
P3058	Exhaust Gas Recirc.Flow 2 Insufficient Detected
P3059	Exhaust Gas Recirc.Flow Excessive Detected
P3060	Cooling Bypass Valve, Exhaust Gas Recirculation Flow Electrical
P3061	Cooling Bypass Valve 2, Exhaust Gas Recirculation Flow Electrical
P3062	Turbo/Super Charger Overboost Condition
P3063	Turbo/Super Charger Underboost
P3081	Engine Temperature Too Low
P3130	Exhaust Gas Recirculation (EGR) System Control Limit Exceeded
P3131	Exhaust Gas Recirculation (EGR) System Lowest Control Limit Exceeded
P3144	Exhaust-Bank 3, Sensor 1, Oxygen Sensor Signal Implausibly Lean
P3145	Exhaust-Bank 3, Sensor 1, Oxygen Sensor Signal Implausibly Rich
P3146	Exhaust-Bank 4, Sensor 1, Oxygen Sensor Signal Implausibly Lean
P3147	Exhaust-Bank 4, Sensor 1, Oxygen Sensor Signal Implausibly Rich
P3148	Exhaust-Bank 3, Oxygen Sensor Before Cat, Heater Circuit Regulation at Upper Impact

P3149	Exhaust-Bank 3, Oxygen Sensor Before Cat, Heater Circuit Regulation at Lower Impact
P3150	Exhaust-Bank 4, Oxygen Sensor Before Cat, Heater Circuit Regulation at Upper Impact
P3151	Exhaust-Bank 4, Oxygen Sensor Before Cat, Heater Circuit Regulation at Lower Impact
P3152	Exhaust-Bank 3, Sensor 1 Inner Resistance Implausible
P3153	Exhaust-Bank 4, Sensor 1 Inner Resistance Implausible
P3175	Exhaust-Bank 3, Mixture Adaptation Range 3 Lean Limit Not Reached
P3176	Exhaust-Bank 3, Mixture Adaptation Range 3 Rich Limit Exceeded
P3177	Exhaust-Bank 4, Mixture Adaptation Range 3 Lean Limit Not Reached
P3178	Exhaust-Bank 4, Mixture Adaptation Range 3 Rich Limit Exceeded
P3200	Emissions-Bank 3 Sensor1, Heater Circuit Short Circuit to Ground (GND)
P3201	Emissions-Bank 3 Sensor 1, Heater Circuit Short Circuit to B+
P3202	Emissions-Bank 3 Sensor 1, Heater Circuit Open Circuit
P3207	Emissions-Bank 3 Sensor 1, Electrical Malfunction in Circuit
P3208	Emissions-Bank 3 Sensor 1, No Activity
P3209	Emissions-Bank 3 Sensor 1, Signal Too Slow
P3211	Exhaust-Bank 1 Sensor 1, Heater Return Connection
P3212	Exhaust-Bank 2 Sensor 1, Heater Return Connection
P3213	Exhaust-Bank 3 Sensor 1, Heater Return Connection
P3214	Exhaust-Bank 4 Sensor 1, Heater Return Connection
P3215	Emissions-Bank 3 Sensor 2, Heater Circuit Short Circuit to Ground (GND)
P3216	Emissions-Bank 3 Sensor 2, Heater Circuit Short Circuit to B+
P3217	Emissions-Bank 3 Sensor 2, Heater Circuit Open Circuit
P3218	Emissions-Bank 3 Sensor 2, Heater Circuit Electrical Malfunction
P3220	Emissions-Bank 3 Sensor 2, Voltage Too Low
P3221	Emissions-Bank 3 Sensor 2, Voltage Too High
P3222	Emissions-Bank 3 Sensor 2, Electrical Malfunction in Circuit
P3223	Emissions-Bank 3 Sensor 2, No activity
P3224	Emissions-Bank 3 Sensor 2, Signal Too Slow
P3225	Exhaust-Bank 3, O2 Correction Behind Catalyst, B1 Limit Attained
P3226	Exhaust-Bank 4, O2 Correction Behind Catalyst, B1 Limit Attained
P3230	Emissions-Bank 4 Sensor 1, Heater Circuit Short Circuit to Ground (GND)
P3231	Emissions-Bank 4 Sensor 1, Heater Circuit Short Circuit to B+
P3232	Emissions-Bank 4 Sensor 1, Heater Circuit Open Circuit
P3237	Emissions-Bank 4 Sensor 1, Electrical Malfunction in Circuit
P3238	Emissions-Bank 4 Sensor 1, No Activity
P3239	Emissions-Bank 4 Sensor 1, Signal Too Slow
P3245	Emissions-Bank 4 Sensor 2, Heater Circuit Short Circuit to Ground (GND)
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P3246	Emissions-Bank 4 Sensor 2, Heater Circuit Short Circuit to B+
P3247	Emissions-Bank 4 Sensor 2, Heater Circuit Open Circuit
P3248	Emissions-Bank 4 Sensor 2, Heater Circuit Electrical Malfunction
P3250	Emissions-Bank 4 Sensor 2, Voltage Too Low
P3251	Emissions-Bank 4 Sensor 2, Voltage Too High
P3252	Emissions-Bank 4 Sensor 2, Electrical Malfunction in Circuit
P3253	Emissions-Bank 4 Sensor 2, No Activity
P3254	Emissions-Bank 4 Sensor 2, Signal Too Slow
P3261	Exhaust Bank 3/4 Oxygen Sensors Before Catalytic Converter Swapped
P3262	Exhaust Bank 1/2 Oxygen Sensors Behind Catalytic Converter Swapped
P3263	Exhaust Bank 3/4 Oxygen Sensors Behind Catalytic Converter Swapped
P3278	Linear 02 Sensor, Exhaust-Bank 3/Pump Current Open Circuit
P3281	Linear 02 Sensor, Exhaust-Bank 3/Reference Voltage Open Circuit
P3285	Linear 02 Sensor, Exhaust-Bank3/Common Ground Wire Open Circuit
P3288	Linear 02 Sensor, Exhaust-Bank 4/Pump Current Open Circuit
P3291	Linear 02 Sensor, Exhaust-Bank 4/Reference Voltage Open Circuit
P3292	Linear 02 Sensor, Exhaust-Bank 4/Reference Voltage Short Circuit to Ground
P3295	Linear 02 Sensor, Exhaust-Bank 4/Common Ground Wire Open Circuit
P3298	Catalytic Converter System, Exhaust-Bank 3 Effectiveness Too Low
P3299	Catalytic Converter System, Exhaust-Bank 4 Effectiveness Too Low
P3328	Intake Flap Motor 2 Short to B+
P3329	Intake Flap Motor 2 Open/Short to Ground
P3330	Intake Flap Motor 2 No Signal
P3331	Intake Flap Motor 2 Faulty
P3339	Automatic Glow Time Control Relay 2 Electrical Malfunction in Circuit
P3376	Intake Air Temperature Sensor 3 Circuit-G520 Low
P3377	Intake Air Temperature Sensor 3 Circuit-G520 High
U0001	High Speed CAN Communication Bus
U0002	High Speed CAN Communication Bus Performance
U0073	Control Module Communication Bus Off
U0100	Lost Communication With ECM/PCM "A"
U0101	Lost Communication With TCM
U0103	Lost Communication With Gear Shift Module "A"
U0115	Lost Communication With ECM/PCM "B"
U0121	Lost Communication With Anti-Lock Brake System (ABS) Control Module
U0155	Lost Communication With Instrument Panel Cluster (IPC) Control

	Module
U0302	Software Incompatibility With Transmission Control Module
U0315	Software Incompatibility With Anti-Lock Brake System Control Module
U0402	Invalid Data Received From TCM
U0404	Invalid Data Received From Gear Shift Control Module "A"
U0415	Invalid Data Received From Anti-Lock Brake System (ABS) Control Module
	P-Hex Codes
P000A	"A" Camshaft Position Slow Response, Bank 1
P000B	"B" Camshaft Position Slow Response, Bank 1
P000C	"A" Camshaft Position Slow Response, Bank 2
P000D	"B" Camshaft Position Slow Response, Bank 2
P010B	Mass or Volume Air Flow "B" Circuit Range/Performance
P010C	Mass or Volume Air Flow "B" Circuit Low
P010D	Mass or Volume Air Flow "B" Circuit High
P016A	ISO/SAE reserved
P025A	Fuel Pump Module Control Circuit/Open
P025C	Fuel Pump Module Control Circuit Low
P025D	Fuel Pump Module Control Circuit High
P050A	Cold Start Idle Air Control System Performance
P062B	Internal Control Module Fuel Injector Control Performance
P117A	Bank1, Lambda Correction Catalyst Center Control Limit Reached
P117C	Bank3, Oxygen Sensor Correction Behind Cat Lean Control Limit Exceeded
P117D	Bank3, Oxygen Sensor Correction Behind Cat Rich Control Limit Exceeded
P117E	Bank4, Oxygen Sensor Correction Behind Cat Lean Control Limit Exceeded
P117F	Bank4, Oxygen Sensor Correction Behind Cat Rich Control Limit Exceeded
P118A	Bank3-Probe1, Voltage Too Low/Leakage Air
P118B	Bank4-Probe2, Voltage Too Low/Leakage Air
P12A1	Fuel Rail Pressure Sensor Inappropriately Low
P12A2	Fuel Rail Pressure Sensor Inappropriately High
P12A4	Fuel Rail Pump Control Valve Stuck Closed
P160C	Coolant Pump2 Control Circuit Open
P160E	Coolant Pump 2 Control Circuit Low
P160F	Coolant Pump 2 Control Circuit High