

OBD-II Diagnostic Trouble Code Definitions		North America						Europe			Australia			SAE J1930 Component/ System and I/O Type		
Chart indicates design-responsible software activity which implemented DTC. G=North American spark ignition PCM, T = North American standalone TCM, D=North American diesel PCM, E= Europe, N=Nissan, J=Jaguar, U=Australian. Spark Ignition PCM includes: Gasoline, FFV, NGV, LPG and bi-fuel conversions.		Spark Ignition PCM			Standalone TCM					Spark Ignition			Spark Ignition			
* = MIL illuminates, ^ = O/D Cancel flashes, + = ETC light illuminates, [] = assigned but not used																
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Fuel and Air Metering and Auxiliary Emission Controls																
P0000																
P0001	Fuel Volume Regulator Control Circuit / Open															
P0002	Fuel Volume Regulator Control Circuit Range/Performance															
P0003	Fuel Volume Regulator Control Circuit Low															
P0004	Fuel Volume Regulator Control Circuit High															
P0005	Fuel Shutoff Valve A Control Circuit / Open															
P0006	Fuel Shutoff Valve A Control Circuit Low															
P0007	Fuel Shutoff Valve A Control Circuit High															
P0008	Engine Position System Performance - Bank 1															
P0009	Engine Position System Performance - Bank 2															
P000A	Intake (A) Camshaft Position Slow Response Bank 1															
P000B	Exhaust (B) Camshaft Position Slow Response Bank 1															
P000C	Intake (A) Camshaft Position Slow Response Bank 2															
P000D	Exhaust (B) Camshaft Position Slow Response Bank 2															
P000E																
P000F																
P0010	Intake (A) Camshaft Position Actuator Circuit / Open (Bank 1)	G*	g	g					M*	J*						
P0011	Intake (A) Camshaft Position Timing - Over-Advanced (Bank 1)	G*	g						M*		E					
P0012	Intake (A) Camshaft Position Timing - Over-Retarded (Bank 1)	G*	g						M*		E					
P0013	Exhaust (B) Camshaft Position Actuator Circuit / Open (Bank 1)	G*	g	g												
P0014	Exhaust (B) Camshaft Position Timing - Over-Advanced (Bank 1)	G*	g													
P0015	Exhaust (B) Camshaft Position Timing - Over-Retarded (Bank 1)	G*	g													
P0016	Crankshaft Position - Camshaft Position Correlation - Bank 1 Sensor A						D*									
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	Intake (A) Camshaft Position Actuator Circuit / Open (Bank 2)	G*	g	g					M*	J*						
P0021	Intake (A) Camshaft Position Timing - Over-Advanced (Bank 2)	G*	g						M*							
P0022	Intake (A) Camshaft Position Timing - Over-Retarded (Bank 2)	G*	g	g					M*							
P0023	Exhaust (B) Camshaft Position Actuator Circuit / Open (Bank 2)	G*	g	g												
P0024	Exhaust (B) Camshaft Position Timing - Over-Advanced (Bank 2)	G*	g													
P0025	Exhaust (B) Camshaft Position Timing - Over-Retarded (Bank 2)	G*	g													
P0026	Intake Valve Control Solenoid Circuit Range/Performance (Bank 1)															
P0027	Exhaust Valve Control Solenoid Circuit Range/Performance (Bank 1)															
P0028	Intake Valve Control Solenoid Circuit Range/Performance (Bank 2)															
P0029	Exhaust Valve Control Solenoid Circuit Range/Performance (Bank 2)															
P0030	HO2S Heater Control Circuit (Bank 1, Sensor 1)												E*			
P0031	HO2S Heater Control Circuit Low (Bank 1, Sensor 1)								M*	J*			E*			
P0032	HO2S Heater Control Circuit High (Bank 1, Sensor 1)								M*	J*			E*			
P0033	Turbocharger/Supercharger Bypass Valve Control Circuit / Open						D*	d	d							
P0034	Turbocharger/Supercharger Bypass Valve Control Circuit Low															
P0035	Turbocharger/Supercharger Bypass Valve Control Circuit High															
P0036	HO2S Heater Control Circuit (Bank 1, Sensor 2)												E*			
P0037	HO2S Heater Control Circuit Low (Bank 1, Sensor 2)								M*	J*			E*			
P0038	HO2S Heater Control Circuit High (Bank 1, Sensor 2)								M*	J*			E*			
P0039	Turbocharger/Supercharger Bypass Valve Control Circuit Range/Performance															
P0040	Oxygen Sensor Signals Swapped Bank 1 Sensor 1 / Bank 2 Sensor 1			g												
P0041	Oxygen Sensor Signals Swapped Bank 1 Sensor 2 / Bank 2 Sensor 2			g												
P0042	HO2S Heater Control Circuit (Bank 1, Sensor 3)															
P0043	HO2S Heater Control Circuit Low (Bank 1, Sensor 3)								M*							
P0044	HO2S Heater Control Circuit High (Bank 1, Sensor 3)								M*							
P0045	Turbocharger/Supercharger Boost Control Solenoid A Circuit / Open															
P0046	Turbocharger/Supercharger Boost Control Solenoid A Circuit Range/Performance						D*	d	d							
P0047	Turbocharger/Supercharger Boost Control Solenoid A Circuit Low															
P0048	Turbocharger/Supercharger Boost Control Solenoid A Circuit High															
P0049	Turbocharger/Supercharger Turbine Overspeed						D									

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P004A	Turbocharger/Supercharger Boost Control Solenoid B Circuit / Open															
P004B	Turbocharger/Supercharger Boost Control Solenoid B Circuit Range/Performance															
P004C	Turbocharger/Supercharger Boost Control Solenoid B Circuit Low															
P004D	Turbocharger/Supercharger Boost Control Solenoid B Circuit High															
P004E	Turbocharger/Supercharger Boost Control Solenoid A Circuit Intermittent/Erratic															
P004F	Turbocharger/Supercharger Boost Control Solenoid B Circuit Intermittent/Erratic															
P0050	HO2S Heater Control Circuit (Bank 2, Sensor 1)															
P0051	HO2S Heater Control Circuit Low (Bank 2, Sensor 1)								M*	J*						
P0052	HO2S Heater Control Circuit High (Bank 2, Sensor 1)								M*	J*						
P0053	HO2S Heater Resistance (Bank 1, Sensor 1)	G*	g	g							E*					
P0054	HO2S Heater Resistance (Bank 1, Sensor 2)	G*	g	g							E*					
P0055	HO2S Heater Resistance (Bank 1, Sensor 3)	G*	g	g												
P0056	HO2S Heater Control Circuit (Bank 2, Sensor 2)															
P0057	HO2S Heater Control Circuit Low (Bank 2, Sensor 2)								M*	J*						
P0058	HO2S Heater Control Circuit High (Bank 2, Sensor 2)								M*	J*						
P0059	HO2S Heater Resistance (Bank 2, Sensor 1)	G*	g	g												
P0060	HO2S Heater Resistance (Bank 2, Sensor 2)	G*	g	g												
P0061	HO2S Heater Resistance (Bank 2, Sensor 3)	G*	g	g												
P0062	HO2S Heater Control Circuit (Bank 2, Sensor 3)															
P0063	HO2S Heater Control Circuit Low (Bank 2, Sensor 3)								M*							
P0064	HO2S Heater Control Circuit High (Bank 2, Sensor 3)								M*							
P0065	Air Assisted Injector Control Range/Performance	G*	g													
P0066	Air Assisted Injector Control Circuit or Circuit Low	G*	g	g												
P0067	Air Assisted Injector Control Circuit High															
P0068	MAP / MAF - Throttle Position Correlation	G*														
P0069	MAP - Barometric Pressure Correlation							D*								
P006A	MAP - Mass or Volume Air Flow Correlation															
P006B	MAP - Exhaust Pessure Correlation															
P006C																
P006D																
P006E																
P006E																
P0070	Ambient Air Temperature Sensor Circuit															
P0071	Ambient Air Temperature Sensor Range/Performance															
P0072	Ambient Air Temperature Sensor Circuit Low Input										E*					
P0073	Ambient Air Temperature Sensor Circuit High Input										E*					
P0074	Ambient Air Temperature Sensor Circuit Intermittent/Erratic															
P0075	Intake Valve Control Circuit (Bank 1)															
P0076	Intake Valve Control Circuit Low (Bank 1)															
P0077	Intake Valve Control Circuit High (Bank 1)															
P0078	Exhaust Valve Control Circuit (Bank 1)															
P0079	Exhaust Valve Control Circuit Low (Bank 1)															
P0080	Exhaust Valve Control Circuit High (Bank 1)															
P0081	Intake Valve Control Circuit (Bank 2)															
P0082	Intake Valve Control Circuit Low (Bank 2)															
P0083	Intake Valve Control Circuit High (Bank 2)															
P0084	Exhaust Valve Control Circuit (Bank 2)															
P0085	Exhaust Valve Control Circuit Low (Bank 2)															
P0086	Exhaust Valve Control Circuit High (Bank 2)															
P0087	Fuel Rail/System Pressure - Too Low															
P0088	Fuel Rail/System Pressure - Too High															
P0089	Fuel Pressure Regulator Performance										E		D*			
P0090	Fuel Pressure Regulator Control Circuit													D*		
P0091	Fuel Pressure Regulator Control Circuit Low										E		D*			
P0092	Fuel Pressure Regulator Control Circuit High										E					
P0093	Fuel System Leak Detected - Large Leak										E					
P0094	Fuel System Leak Detected - Small Leak															
P0095	Intake Air Temperature Sensor 2 Circuit															IAT2
P0096	Intake Air Temperature Sensor 2 Circuit Range/Performance								D*	M*						IAT2

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P0097	Intake Air Temperature Sensor 2 Circuit Low Input							D*	d	d	M*					IAT2	
P0098	Intake Air Temperature Sensor 2 Circuit High Input							D*	d	d	M*					IAT2	
P0099	Intake Air Temperature Sensor 2 Circuit Intermittent/Erratic															IAT2	
Fuel and Air Metering																	
P0100	Mass or Volume Air Flow A Circuit									M		N	E		D*	MAF/VAF [AI]	
P0101	Mass or Volume Air Flow A Circuit Range/Performance							D*		M*	J*		E		U	MAF/VAF [AI]	
P0102	Mass or Volume Air Flow A Circuit Low Input	G*	g	g				D*	d	d	M*	J*	E*	e	e	U	MAF/VAF [AI]
P0103	Mass or Volume Air Flow A Circuit High Input	G*	g	g				D*	d	d	M*	J*	E*	e	e	U	MAF/VAF [AI]
P0104	Mass or Volume Air Flow A Circuit Intermittent/Erratic	G														MAF/VAF [AI]	
P0105	Manifold Absolute Pressure/BARO Circuit	G*						D		M	J*		E*		D*	MAP/BARO	
P0106	Manifold Absolute Pressure/BARO Sensor Range/Performance	G*	g					D*	d	d	M*	J*	E*		U	MAP/BARO	
P0107	Manifold Absolute Pressure/BARO Sensor Low Input	G*	g	g				D*	d	d	M*	J*	E*	e	e	U	MAP/BARO
P0108	Manifold Absolute Pressure/BARO Sensor High Input	G*	g	g				D*	d	d	M*	J*	E*	e	e	U	MAP/BARO
P0109	Manifold Absolute Pressure/BARO Sensor Intermittent	G											E*			MAP/BARO	
P010A	Mass or Volume Air Flow B Circuit																
P010B	Mass or Volume Air Flow B Circuit Range/Performance																
P010C	Mass or Volume Air Flow B Circuit Low Input																
P010D	Mass or Volume Air Flow B Circuit High Input																
P010E	Mass or Volume Air Flow B Circuit Intermittent/Erratic																
P010F	Mass or Volume Air Flow Sensor A/B Correlation																
P0110	Intake Air Temperature Sensor 1 Circuit									M		N	E*		D*	IAT [AI]	
P0111	Intake Air Temperature Sensor 1 Circuit Range/Performance							D*		M*	J*				U	IAT [AI]	
P0112	Intake Air Temperature Sensor 1 Circuit Low Input	G*	g	g				D*	d	d	M*	J*	E*	e	e	U	IAT [AI]
P0113	Intake Air Temperature Sensor 1 Circuit High Input	G*	g	g				D*	d	d	M*	J*	E*	e	e	U	IAT [AI]
P0114	Intake Air Temperature Sensor 1 Intermittent/Erratic	G											E			IAT [AI]	
P0115	Engine Coolant Temperature Sensor 1 Circuit									M		N	E*		D	ECT [AI]	
P0116	Engine Coolant Temperature Sensor 1 Circuit Range/Performance	G*						D*	d	d	M*	J*	E*		U	ECT [AI]	
P0117	Engine Coolant Temperature Sensor 1 Circuit Low Input	G*	g	g				D*	d	d	M*	J*	E*	e	e	U	ECT [AI]
P0118	Engine Coolant Temperature Sensor 1 Circuit High Input	G*	g	g				D*	d	d	M*	J*	E*	e	e	U	ECT [AI]
P0119	Engine Coolant Temperature Sensor 1 Circuit Intermittent/Erratic	G											E			ECT [AI]	
P011A	Engine Coolant Temperature Sensor 1/2 Correlation																
P0120	Throttle/Pedal Position Sensor A Circuit	G*								M		N	E*			TP-A [AI]	
P0121	Throttle/Pedal Position Sensor A Circuit Range/Performance	G	g							M*	J*		E	e	U	TP-A [AI]	
P0122	Throttle/Pedal Position Sensor A Circuit Low Input	G*	g	g				D*	d	d	M*	J*	E*	e	e	U	TP-A [AI]
P0123	Throttle/Pedal Position Sensor A Circuit High Input	G*	g	g				D*	d	d	M*	J*	E*	e	e	U	TP-A [AI]
P0124	Throttle/Pedal Position Sensor A Intermittent	G	g	g						M			E			TP-A [AI]	
P0125	Insufficient Coolant Temp For Closed Loop Fuel Control	G*								M*	J*	N	E			ECT	
P0126	Insufficient Coolant Temp For Stable Operation	[G]						D		M*						ECT	
P0127	Intake Air Temperature Too High	G	g	g													
P0128	Coolant Thermostat (Coolant Temp Below Thermostat Regulating Temperature)	G*								M*	J*						
P0129	Barometric Pressure Too Low																
P0130	O2 Circuit (Bank 1, Sensor 1)									M		N	E*			HO2S11 [AI]	
P0131	O2 Circuit Low Voltage (Bank 1, Sensor 1)	G*								M*	J*		E*		U	HO2S11 [AI]	
P0132	O2 Circuit High Voltage (Bank 1, Sensor 1)	G*	g							M*	J*		E*	e		HO2S11 [AI]	
P0133	O2 Circuit Slow Response (Bank 1, Sensor 1)	G*								M*	J*		E*			HO2S11 [AI]	
P0134	O2 Circuit No Activity Detected (Bank 1, Sensor 1)									M*	J*		E*			HO2S11 [AI]	
P0135	O2 Heater Circuit (Bank 1, Sensor 1)	G*	g	g						M	J*	N	E*	e	e	HO2S11 [AI]	
P0136	O2 Circuit (Bank 1, Sensor 2) (See P2270, P2271)	G*								M		N	E*			HO2S12 [AI]	
P0137	O2 Circuit Low Voltage (Bank 1, Sensor 2)									M*	J*		E*			HO2S12 [AI]	
P0138	O2 Circuit High Voltage (Bank 1, Sensor 2)	G*	g							M*	J*		E*	e		HO2S12 [AI]	
P0139	O2 Circuit Slow Response (Bank 1, Sensor 2)										J		E*			HO2S12 [AI]	
P0140	O2 Circuit No Activity Detected (Bank 1, Sensor 2)									M*	J*		E			HO2S12 [AI]	
P0141	O2 Heater Circuit (Bank 1, Sensor 2)	G*	g	g						M		N	E*	e	e	HO2S12 [AI]	
P0142	O2 Circuit (Bank 1, Sensor 3)									M						HO2S13 [AI]	
P0143	O2 Circuit Low Voltage (Bank 1, Sensor 3)															HO2S13 [AI]	
P0144	O2 Circuit High Voltage (Bank 1, Sensor 3)	G*	g							M*						HO2S13 [AI]	
P0145	O2 Circuit Slow Response (Bank 1, Sensor 3)															HO2S13 [AI]	
P0146	O2 Circuit No Activity Detected (Bank 1, Sensor 3)									M*						HO2S13 [AI]	
P0147	O2 Heater Circuit (Bank 1, Sensor 3)	G*	g	g						M						HO2S13 [AI]	

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P0148	Fuel Delivery Error	G*										E			D		
P0149	Fuel Timing Error														D		
P0150	O2 Circuit (Bank 2, Sensor 1)									M							HO2S21 [AI]
P0151	O2 Circuit Low Voltage (Bank 2, Sensor 1)	G*								M*	J*						HO2S21 [AI]
P0152	O2 Circuit High Voltage (Bank 2, Sensor 1)	G*	g							M*	J*	E*	e	e			HO2S21 [AI]
P0153	O2 Circuit Slow Response (Bank 2, Sensor 1)	G*								M*	J*	E*					HO2S21 [AI]
P0154	O2 Circuit No Activity Detected (Bank 2, Sensor 1)									M*	J*						HO2S21 [AI]
P0155	O2 Heater Circuit (Bank 2, Sensor 1)	G*	g	g						M	J*	E*	e	e			HO2S21 [AI]
P0156	O2 Circuit (Bank 2, Sensor 2) (See P2272, P2273)	G*										E*					HO2S22 [AI]
P0157	O2 Circuit Low Voltage (Bank 2, Sensor 2)									M	J*						HO2S22 [AI]
P0158	O2 Circuit High Voltage (Bank 2, Sensor 2)	G*	g							M*	J*	E*	e	e			HO2S22 [AI]
P0159	O2 Circuit Slow Response (Bank 2, Sensor 2)										J						HO2S22 [AI]
P0160	O2 Circuit No Activity Detected (Bank 2, Sensor 2)									M*	J*						HO2S22 [AI]
P0161	O2 Heater Circuit (Bank 2, Sensor 2)	G*	g	g								E*	e	e			HO2S22 [AI]
P0162	O2 Circuit (Bank 2, Sensor 3)																HO2S23 [AI]
P0163	O2 Circuit Low Voltage (Bank 2, Sensor 3)																HO2S23 [AI]
P0164	O2 Circuit High Voltage (Bank 2, Sensor 3)	G*	g							M*							HO2S23 [AI]
P0165	O2 Circuit Slow Response (Bank 2, Sensor 3)																HO2S23 [AI]
P0166	O2 Circuit No Activity Detected (Bank 2, Sensor 3)									M*							HO2S23 [AI]
P0167	O2 Heater Circuit (Bank 2, Sensor 3)	G*	g	g													HO2S23 [AI]
P0168	Engine Fuel Temperature Too High														D		EFT
P0169	Incorrect Fuel Composition																
P0170	Fuel Trim (Bank 1)									M		E					LTFT
P0171	System Too Lean (Bank 1)	G*								M*	J*	N	E*				LTFT
P0172	System Too Rich (Bank 1)	G*								M*	J*	N	E*				LTFT
P0173	Fuel Trim (Bank 2)									M							LTFT
P0174	System Too Lean (Bank 2)	G*								M*	J*	E*					LTFT
P0175	System Too Rich (Bank 2)	G*								M*	J*	E*					LTFT
P0176	Flexible Fuel Sensor Circuit	G*	g														FF [FI]
P0177	Flexible Fuel Sensor Circuit Range/Performance																FF [FI]
P0178	Flexible Fuel Sensor Circuit Low Input																FF [FI]
P0179	Flexible Fuel Sensor Circuit High Input																FF [FI]
P0180	Fuel Temperature Sensor A Circuit	G*	g	g											D*		FRT-A [AI]
P0181	Fuel Temperature Sensor A Circuit Range/Performance		g	g													FRT-A [AI]
P0182	Fuel Temperature Sensor A Circuit Low Input	G*	g	g													FRT-A [AI]
P0183	Fuel Temperature Sensor A Circuit High Input	G*	g	g													FRT-A [AI]
P0184	Fuel Temperature Sensor A Circuit Intermittent																FRT-A [AI]
P0185	Fuel Temperature Sensor B Circuit																FRT-B [AI]
P0186	Fuel Temperature Sensor B Circuit Range/Performance		g	g													FRT-B [AI]
P0187	Fuel Temperature Sensor B Circuit Low Input	G*	g	g								E					FRT-B [AI]
P0188	Fuel Temperature Sensor B Circuit High Input	G*	g	g								E					FRT-B [AI]
P0189	Fuel Temperature Sensor B Circuit Intermittent																FRT-B [AI]
P018A	Fuel Pressure Sensor B Circuit																
P018B	Fuel Pressure Sensor B Circuit Range/Performance																
P018C	Fuel Pressure Sensor B Circuit Low											E					
P018D	Fuel Pressure Sensor B Circuit High											E					
P018E	Fuel Pressure Sensor B Circuit Intermittent/Erratic																
P018F																	
P0190	Fuel Rail Pressure Sensor A Circuit	G*										E			D*		FRP [AI]
P0191	Fuel Rail Pressure Sensor A Circuit Range/Performance	G*	g												D*		FRP [AI]
P0192	Fuel Rail Pressure Sensor A Circuit Low Input	G*	g	g							J*	E					FRP [AI]
P0193	Fuel Rail Pressure Sensor A Circuit High Input	G*	g	g							J*	E					FRP [AI]
P0194	Fuel Rail Pressure Sensor A Circuit Intermittent/Erratic																FRP [AI]
P0195	Engine Oil Temperature Sensor Circuit							D									EOT [AI]
P0196	Engine Oil Temperature Sensor Circuit Range/Performance	G							d		J*						EOT [AI]
P0197	Engine Oil Temperature Sensor Circuit Low Input	G	g	g				D*	d	d	J*						EOT [AI]
P0198	Engine Oil Temperature Sensor Circuit High Input	G	g	g				D*	d	d	J*						EOT [AI]
P0199	Engine Oil Temperature Sensor Circuit Intermittent																EOT [AI]
Fuel and Air Metering																	

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P0200	Injector Circuit										E*	e	e	D*			INJ [DO]
P0201	Cylinder 1 Injector Circuit / Open	G*	g	g						M	J*	E*	e	e	D*	U	INJ-1 [DO]
P0202	Cylinder 2 Injector Circuit / Open	G*	g	g						M	J*	E*	e	e	D*	U	INJ-2 [DO]
P0203	Cylinder 3 Injector Circuit / Open	G*	g	g						M	J*	E*	e	e	D*	U	INJ-3 [DO]
P0204	Cylinder 4 Injector Circuit / Open	G*	g	g						M	J*	E*	e	e	D*	U	INJ-4 [DO]
P0205	Cylinder 5 Injector Circuit / Open	G*	g	g						M	J*	E*	e	e		U	INJ-5 [DO]
P0206	Cylinder 6 Injector Circuit / Open	G*	g	g						M	J*	E*	e	e		U	INJ-6 [DO]
P0207	Cylinder 7 Injector Circuit / Open	G*	g	g						M	J*					U	INJ-7 [DO]
P0208	Cylinder 8 Injector Circuit / Open	G*	g	g						M	J*					U	INJ-8 [DO]
P0209	Cylinder 9 Injector Circuit / Open	G*	g	g													INJ-9 [DO]
P020A	Cylinder 1 Injection Timing																
P020B	Cylinder 2 Injection Timing																
P020C	Cylinder 3 Injection Timing																
P020D	Cylinder 4 Injection Timing																
P020E	Cylinder 5 Injection Timing																
P020F	Cylinder 6 Injection Timing																
P0210	Cylinder 10 Injector Circuit / Open	G*	g	g													INJ-10 [DO]
P0211	Cylinder 11 Injector Circuit / Open	G*	g	g													INJ-11 [DO]
P0212	Cylinder 12 Injector Circuit / Open	G*	g	g													INJ-12 [DO]
P0213	Cold Start Injector 1	G*															
P0214	Cold Start Injector 2																
P0215	Engine Shutoff Solenoid																
P0216	Injector/Injection Timing Control Circuit														D*		
P0217	Engine Coolant Overtemperature Condition	G	g	g													ECT
P0218	Transmission Fluid Overtemperature Condition	G	g	g	T*												TFT
P0219	Engine Overspeed Condition	G			T*		D			M		E					
P021A	Cylinder 7 Injection Timing																
P021B	Cylinder 8 Injection Timing																
P021C	Cylinder 9 Injection Timing																
P021D	Cylinder 10 Injection Timing																
P021E	Cylinder 11 Injection Timing																
P021F	Cylinder 12 Injection Timing																
P0220	Throttle/Pedal Position Sensor/Switch B Circuit							d	d			E*					TP-B [AI]
P0221	Throttle/Pedal Position Sensor/Switch B Circuit Range/Performance	G	g	g			D*			M*		E					TP-B [AI]
P0222	Throttle/Pedal Position Sensor/Switch B Circuit Low Input	G*	g	g			D	d	d	M*	J*	E*	e	e			TP-B [AI]
P0223	Throttle/Pedal Position Sensor/Switch B Circuit High Input	G*	g	g			D	d	d	M*	J*	E*	e	e			TP-B [AI]
P0224	Throttle/Pedal Position Sensor/Switch B Circuit Intermittent	G	g	g						M	J	E					TP-B [AI]
P0225	Throttle/Pedal Position Sensor/Switch C Circuit																TP-C [AI]
P0226	Throttle/Pedal Position Sensor/Switch C Circuit Range/Performance																TP-C [AI]
P0227	Throttle/Pedal Position Sensor/Switch C Circuit Low Input	G	g	g			D	d	d								TP-C [AI]
P0228	Throttle/Pedal Position Sensor/Switch C Circuit High Input	G	g	g			D	d	d								TP-C [AI]
P0229	Throttle/Pedal Position Sensor/Switch C Circuit Intermittent	G	g	g													TP-C [AI]
P022A	Charge Air Cooler Bypass Control A Circuit /Open																
P022B	Charge Air Cooler Bypass Control A Circuit Low																
P022C	Charge Air Cooler Bypass Control A Circuit High																
P022D	Charge Air Cooler Bypass Control B Circuit /Open																
P022E	Charge Air Cooler Bypass Control B Circuit Low																
P022F	Charge Air Cooler Bypass Control B Circuit High																
P0230	Fuel Pump Primary Circuit	G	g	g			D	d	d	M		E	e	e	D*	U	FP [DO]
P0231	Fuel Pump Secondary Circuit Low	G	g	g			D*	d	d			E	e	e	D*		FP [DO]
P0232	Fuel Pump Secondary Circuit High	G	g				D	d	d			E	e				FP [DO]
P0233	Fuel Pump Secondary Circuit Intermittent											E					
P0234	Turbocharger/Supercharger Overboost Condition	G	g	g			D								D		TC/SC
P0235	Turbocharger/Supercharger Boost Sensor A Circuit						D								D*		TC/SCB-A
P0236	Turbocharger/Supercharger Boost Sensor A Circuit Range/Performance						D*	d									TC/SCB-A
P0237	Turbocharger/Supercharger Boost Sensor A Circuit Low	G*					D*	d	d								TC/SCB-A
P0238	Turbocharger/Supercharger Boost Sensor A Circuit High	G*					D*	d	d								TC/SCB-A
P0239	Turbocharger/Supercharger Boost Sensor B Circuit																TC/SCB-B
P023A	Charge Air Cooler Coolant Pump Control Circuit/Open																

OBD-II Diagnostic Trouble Code Definitions		North America									Europe			Australia			SAE J1930 Component/ System and I/O Type
Chart indicates design-responsible software activity which implemented DTC. G=North American spark ignition PCM, T = North American standalone TCM, D=North American diesel PCM, E= Europe, N=Nissan, J=Jaguar, U=Australian. Spark Ignition PCM includes: Gasoline, FFV, NGV, LPG and bi-fuel conversions.		Spark Ignition PCM										Spark Ignition			Spark Ignition		
* = MIL illuminates, ^ = O/D Cancel flashes, + = ETC light illuminates, [] = assigned but not used																	
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P023B	Charge Air Cooler Coolant Pump Control Circuit Low																
P023C	Charge Air Cooler Coolant Pump Control Circuit High																
P023D	Manifold Absolute Pressure - Turbocharger/Supercharger Boost Sensor A Correlation																
P023E	Manifold Absolute Pressure - Turbocharger/Supercharger Boost Sensor B Correlation																
P023F																	
P0240	Turbocharger/Supercharger Boost Sensor B Circuit Range/Performance																TC/SCB-B
P0241	Turbocharger/Supercharger Boost Sensor B Circuit Low																TC/SCB-B
P0242	Turbocharger/Supercharger Boost Sensor B Circuit High																TC/SCB-B
P0243	Turbocharger/Supercharger Wastegate Solenoid A	G	g	g										D*			TCWGS-A
P0244	Turbocharger/Supercharger Wastegate Solenoid A Range/Performance																TCWGS-A
P0245	Turbocharger/Supercharger Wastegate Solenoid A Low																TCWGS-A
P0246	Turbocharger/Supercharger Wastegate Solenoid A High																TCWGS-A
P0247	Turbocharger/Supercharger Wastegate Solenoid B																TCWGS-B
P0248	Turbocharger/Supercharger Wastegate Solenoid B Range/Performance																TCWGS-B
P0249	Turbocharger/Supercharger Wastegate Solenoid B Low																TCWGS-B
P024A	Charge Air Cooler Bypass Control A Range/Performance																
P024B	Charge Air Cooler Bypass Control A Stuck																
P024C	Charge Air Cooler Bypass Position Sensor A Circuit																
P024D	Charge Air Cooler Bypass Position Sensor A Circuit Range/Performance																
P024E	Charge Air Cooler Bypass Position Sensor A Circuit Low																
P024F	Charge Air Cooler Bypass Position Sensor A Circuit High																
P0250	Turbocharger/Supercharger Wastegate Solenoid B High																TCWGS-B
P0251	Injection Pump Fuel Metering Control A									M					D*		
P0252	Injection Pump Fuel Metering Control A Range/Performance														D*		
P0253	Injection Pump Fuel Metering Control A Low																
P0254	Injection Pump Fuel Metering Control A High																
P0255	Injection Pump Fuel Metering Control A Intermittent																
P0256	Injection Pump Fuel Metering Control B														D*		
P0257	Injection Pump Fuel Metering Control B Range/Performance																
P0258	Injection Pump Fuel Metering Control B Low																
P0259	Injection Pump Fuel Metering Control B High																
P0260	Injection Pump Fuel Metering Control B Intermittent																
P0261	Cylinder 1 Injector Circuit Low	G					D*	d	d			E*					INJ-1 [DO]
P0262	Cylinder 1 Injector Circuit High	G					D	d	d			E*					INJ-1 [DO]
P0263	Cylinder 1 Contribution/Balance								d					D	U		
P0264	Cylinder 2 Injector Circuit Low	G					D*	d	d			E*					INJ-2 [DO]
P0265	Cylinder 2 Injector Circuit High	G					D	d	d			E*					INJ-2 [DO]
P0266	Cylinder 2 Contribution/Balance								d					D	U		
P0267	Cylinder 3 Injector Circuit Low	G					D*	d	d			E*					INJ-3 [DO]
P0268	Cylinder 3 Injector Circuit High	G					D	d	d			E*					INJ-3 [DO]
P0269	Cylinder 3 Contribution/Balance								d					D	U		
P0270	Cylinder 4 Injector Circuit Low	G					D*	d	d			E*					INJ-4 [DO]
P0271	Cylinder 4 Injector Circuit High	G					D	d	d			E*					INJ-4 [DO]
P0272	Cylinder 4 Contribution/Balance								d					D	U		
P0273	Cylinder 5 Injector Circuit Low	G					D*	d	d			E*					INJ-5 [DO]
P0274	Cylinder 5 Injector Circuit High	G					D	d	d			E*					INJ-5 [DO]
P0275	Cylinder 5 Contribution/Balance								d						U		
P0276	Cylinder 6 Injector Circuit Low	G					D*	d	d			E*					INJ-6 [DO]
P0277	Cylinder 6 Injector Circuit High	G					D	d	d			E*					INJ-6 [DO]
P0278	Cylinder 6 Contribution/Balance								d						U		
P0279	Cylinder 7 Injector Circuit Low	G					D*	d	d			E*					INJ-7 [DO]
P0280	Cylinder 7 Injector Circuit High	G					D	d	d			E*					INJ-7 [DO]
P0281	Cylinder 7 Contribution/Balance								d						U		
P0282	Cylinder 8 Injector Circuit Low	G					D*	d	d			E*					INJ-8 [DO]
P0283	Cylinder 8 Injector Circuit High	G					D	d	d			E*					INJ-8 [DO]
P0284	Cylinder 8 Contribution/Balance								d						U		
P0285	Cylinder 9 Injector Circuit Low																INJ-9 [DO]
P0286	Cylinder 9 Injector Circuit High																INJ-9 [DO]
P0287	Cylinder 9 Contribution/Balance																

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* = MIL illuminates, ^ = O/D Cancel flashes, + = ETC light illuminates, [] = assigned but not used																	
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P0288	Cylinder 10 Injector Circuit Low																INJ-10 [DO]
P0289	Cylinder 10 Injector Circuit High																INJ-10 [DO]
P0290	Cylinder 10 Contribution/Balance																
P0291	Cylinder 11 Injector Circuit Low																INJ-11 [DO]
P0292	Cylinder 11 Injector Circuit High																INJ-11 [DO]
P0293	Cylinder 11 Contribution/Balance																
P0294	Cylinder 12 Injector Circuit Low																INJ-12 [DO]
P0295	Cylinder 12 Injector Circuit High																INJ-12 [DO]
P0296	Cylinder 12 Contribution/Balance																
P0297	Vehicle Overspeed Condition	G						D									
P0298	Engine Oil Overtemperature Condition	G*						D*									EOT
P0299	Turbocharger/Supercharger Underboost							D*									
P029A	Cylinder 1 Balance – Fuel Trim at Max Limit																
P029B	Cylinder 1 Balance – Fuel Trim at Min Limit																
P029C	Cylinder 1 Balance – Injector Restricted																
P029D	Cylinder 1 Balance – Injector Leaking																
P029E	Cylinder 2 Balance – Fuel Trim at Max Limit																
P029F	Cylinder 2 Balance – Fuel Trim at Min Limit																
P02A0	Cylinder 2 Balance – Injector Restricted																
P02A1	Cylinder 2 Balance – Injector Leaking																
P02A2	Cylinder 3 Balance – Fuel Trim at Max Limit																
P02A3	Cylinder 3 Balance – Fuel Trim at Min Limit																
P02A4	Cylinder 3 Balance – Injector Restricted																
P02A5	Cylinder 3 Balance – Injector Leaking																
P02A6	Cylinder 4 Balance – Fuel Trim at Max Limit																
P02A7	Cylinder 4 Balance – Fuel Trim at Min Limit																
P02A8	Cylinder 4 Balance – Injector Restricted																
P02A9	Cylinder 4 Balance – Injector Leaking																
P02AA	Cylinder 5 Balance – Fuel Trim at Max Limit																
P02AB	Cylinder 5 Balance – Fuel Trim at Min Limit																
P02AC	Cylinder 5 Balance – Injector Restricted																
P02AD	Cylinder 5 Balance – Injector Leaking																
P02AE	Cylinder 6 Balance – Fuel Trim at Max Limit																
P02AF	Cylinder 6 Balance – Fuel Trim at Min Limit																
P02B0	Cylinder 6 Balance – Injector Restricted																
P02B1	Cylinder 6 Balance – Injector Leaking																
P02B2	Cylinder 7 Balance – Fuel Trim at Max Limit																
P02B3	Cylinder 7 Balance – Fuel Trim at Min Limit																
P02B4	Cylinder 7 Balance – Injector Restricted																
P02B5	Cylinder 7 Balance – Injector Leaking																
P02B6	Cylinder 8 Balance – Fuel Trim at Max Limit																
P02B7	Cylinder 8 Balance – Fuel Trim at Min Limit																
P02B8	Cylinder 8 Balance – Injector Restricted																
P02B9	Cylinder 8 Balance – Injector Leaking																
P02BA	Cylinder 9 Balance – Fuel Trim at Max Limit																
P02BB	Cylinder 9 Balance – Fuel Trim at Min Limit																
P02BC	Cylinder 9 Balance – Injector Restricted																
P02BD	Cylinder 9 Balance – Injector Leaking																
P02BE	Cylinder 10 Balance – Fuel Trim at Max Limit																
P02BF	Cylinder 10 Balance – Fuel Trim at Min Limit																
P02C0	Cylinder 10 Balance – Injector Restricted																
P02C1	Cylinder 10 Balance – Injector Leaking																
P02C2	Cylinder 11 Balance – Fuel Trim at Max Limit																
P02C3	Cylinder 11 Balance – Fuel Trim at Min Limit																
P02C4	Cylinder 11 Balance – Injector Restricted																
P02C5	Cylinder 11 Balance – Injector Leaking																
P02C6	Cylinder 12 Balance – Fuel Trim at Max Limit																
P02C7	Cylinder 12 Balance – Fuel Trim at Min Limit																
P02C8	Cylinder 12 Balance – Injector Restricted																

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* = MIL illuminates, ^ = O/D Cancel flashes, + = ETC light illuminates, [] = assigned but not used																	
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P02C9	Cylinder 12 Balance – Injector Leaking																
Ignition System or Misfire																	
P0300	Random Misfire Detected	G*					D*		M*	J*	N	E*					
P0301	Cylinder 1 Misfire Detected	G*					D*		M*	J*	N	E*					
P0302	Cylinder 2 Misfire Detected	G*					D*		M*	J*	N	E*					
P0303	Cylinder 3 Misfire Detected	G*					D*		M*	J*	N	E*					
P0304	Cylinder 4 Misfire Detected	G*					D*		M*	J*	N	E*					
P0305	Cylinder 5 Misfire Detected	G*					D*		M*	J*	N	E*					
P0306	Cylinder 6 Misfire Detected	G*					D*		M*	J*	N	E*					
P0307	Cylinder 7 Misfire Detected	G*					D*		M*	J*							
P0308	Cylinder 8 Misfire Detected	G*					D*		M*	J*							
P0309	Cylinder 9 Misfire Detected	G*							M*	J*							
P0310	Cylinder 10 Misfire Detected	G*							M*	J*							
P0311	Cylinder 11 Misfire Detected								M*	J*							
P0312	Cylinder 12 Misfire Detected								M*	J*							
P0313	Misfire Detected with Low Fuel																
P0314	Single Cylinder Misfire (Cylinder not Specified)														D*		
P0315	Crankshaft Position System Variation Not Learned	G*										E*					
P0316	Misfire Detected On Startup (First 1000 Revolutions)	G*															
P0317	Rough Road Hardware Not Present																
P0318	Rough Road Sensor A Signal Circuit																
P0319	Rough Road Sensor B Signal Circuit																
P0320	Ignition/Distributor Engine Speed Input Circuit	G*							M			E			U		CKP
P0321	Ignition/Distributor Engine Speed Input Circuit Range/Performance	G*+										E*					CKP
P0322	Ignition/Distributor Engine Speed Input Circuit No Signal	G*															CKP
P0323	Ignition/Distributor Engine Speed Input Circuit Intermittent																CKP
P0324	Knock Control System Error											E					
P0325	Knock Sensor 1 Circuit (Bank 1)	G	g						M*		N	E		D*	U		KS-1
P0326	Knock Sensor 1 Circuit Range/Performance (Bank 1)	G*	g							J*							KS-1
P0327	Knock Sensor 1 Circuit Low Input (Bank1)								M*	J*		E			U		KS-1
P0328	Knock Sensor 1 Circuit High Input (Bank 1)								M*	J*		E					KS-1
P0329	Knock Sensor 1 Circuit Intermittent (Bank 1)																K
P0330	Knock Sensor 2 Circuit (Bank 2)	G	g						M								KS-2
P0331	Knock Sensor 2 Circuit Range/Performance (Bank 2)	G*	g							J							KS-2
P0332	Knock Sensor 2 Circuit Low Input (Bank 2)									J*							KS-2
P0333	Knock Sensor 2 Circuit High Input (Bank 2)									J*							KS-2
P0334	Knock Sensor 2 Circuit Intermittent (Bank 2)																KS-2
P0335	Crankshaft Position Sensor A Circuit	[G]					D*	d	M*	J*	N	E*		D*			CKP
P0336	Crankshaft Position Sensor A Circuit Range/Performance						D*	d	M*	J*		E*		D			CKP
P0337	Crankshaft Position Sensor A Circuit Low Input						D*	d				E					CKP
P0338	Crankshaft Position Sensor A Circuit High Input						D*	d				E					CKP
P0339	Crankshaft Position Sensor A Circuit Intermittent																CKP
P0340	Camshaft Position Sensor A Circuit (Bank 1 or single sensor)	G*					D*	d	M*	J*	N	E*		D*	U		CMP
P0341	Camshaft Position Sensor A Circuit Range/Performance (Bank 1 or single sensor)						D*	d	M*	J*		E*		D*			CMP
P0342	Camshaft Position Sensor A Circuit Low Input (Bank 1 or single sensor)											E					CMP
P0343	Camshaft Position Sensor A Circuit High Input (Bank 1 or single sensor)											E					CMP
P0344	Camshaft Position Sensor A Circuit Intermittent (Bank 1 or single sensor)	G*					D*	d									CMP
P0345	Camshaft Position Sensor A Circuit (Bank 2)	G*							M*								
P0346	Camshaft Position Sensor A Circuit Range/Performance (Bank 2)																
P0347	Camshaft Position Sensor A Circuit Low Input (Bank 2)																
P0348	Camshaft Position Sensor A Circuit High Input (Bank 2)																
P0349	Camshaft Position Sensor A Circuit Intermittent (Bank 2)	G*															
P0350	Ignition Coil Primary/Secondary Circuit	G*							M			E*			U		COP
P0351	Ignition Coil A Primary/Secondary Circuit	G*							M*	J*		E*			U		COP-A
P0352	Ignition Coil B Primary/Secondary Circuit	G*							M*	J*		E*			U		COP-B
P0353	Ignition Coil C Primary/Secondary Circuit	G*							M*	J*		E*			U		COP-C
P0354	Ignition Coil D Primary/Secondary Circuit	G*							M*	J*					U		COP-D
P0355	Ignition Coil E Primary/Secondary Circuit	G*							M*	J*							COP-E

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* = MIL illuminates, ^ = O/D Cancel flashes, + = ETC light illuminates, [] = assigned but not used																	
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P0356	Ignition Coil F Primary/Secondary Circuit	G*								M*	J*						COP-F
P0357	Ignition Coil G Primary/Secondary Circuit	G*									J*						COP-G
P0358	Ignition Coil H Primary/Secondary Circuit	G*									J*						COP-H
P0359	Ignition Coil I Primary/Secondary Circuit	G*															COP-I
P0360	Ignition Coil J Primary/Secondary Circuit	G*															COP-J
P0361	Ignition Coil K Primary/Secondary Circuit																COP-K
P0362	Ignition Coil L Primary/Secondary Circuit																COP-L
P0363	Misfire Detected - Fueling Disabled																
P0364																	
P0365	Camshaft Position Sensor B Circuit (Bank 1)																CMP
P0366	Camshaft Position Sensor B Circuit Range/Performance (Bank 1)																CMP
P0367	Camshaft Position Sensor B Circuit Low Input (Bank 1)																CMP
P0368	Camshaft Position Sensor B Circuit High Input (Bank 1)																CMP
P0369	Camshaft Position Sensor B Circuit Intermittent (Bank 1)																CMP
P0370	Timing Reference High Resolution Signal A																
P0371	Timing Reference High Resolution Signal A Too Many Pulses																
P0372	Timing Reference High Resolution Signal A Too Few Pulses																
P0373	Timing Reference High Resolution Signal A Intermittent																
P0374	Timing Reference High Resolution Signal A No Pulses																
P0375	Timing Reference High Resolution Signal B																
P0376	Timing Reference High Resolution Signal B Too Many Pulses																
P0377	Timing Reference High Resolution Signal B Too Few Pulses																
P0378	Timing Reference High Resolution Signal B Intermittent																
P0379	Timing Reference High Resolution Signal B No Pulses																
P0380	Glow Plug/Heater Circuit A						D*	d	d				D*				Glow Plug-A
P0381	Glow Plug/Heater Indicator Circuit						D*	d					D*				Glow Plug
P0382	Glow Plug/Heater Circuit B																Glow Plug-B
P0383	Glow Plug Control Module Control Circuit Low																
P0384	Glow Plug Control Module Control Circuit High																
P0385	Crankshaft Position Sensor B Circuit	G*		g													CKP-B
P0386	Crankshaft Position Sensor B Circuit Range/Performance																CKP-B
P0387	Crankshaft Position Sensor B Circuit Low Input																CKP-B
P0388	Crankshaft Position Sensor B Circuit High Input																CKP-B
P0389	Crankshaft Position Sensor B Circuit Intermittent																CKP-B
P0390	Camshaft Position Sensor B Circuit (Bank 2)																CMP-B
P0391	Camshaft Position Sensor B Circuit Range/Performance (Bank 2)																CMP-B
P0392	Camshaft Position Sensor B Circuit Low Input (Bank 2)																CMP-B
P0393	Camshaft Position Sensor B Circuit High Input (Bank 2)																CMP-B
P0394	Camshaft Position Sensor B Circuit Intermittent (Bank 2)																CMP-B
P0395																	
P0396																	
P0397																	
P0398																	
P0399																	
Auxiliary Emission Controls																	
P0400	Exhaust Gas Recirculation Flow	G*	g	g						M	J*	N	E*	e	e		
P0401	Exhaust Gas Recirculation Flow Insufficient Detected	G*					D*			M*			E*				
P0402	Exhaust Gas Recirculation Flow Excessive Detected	G*	g				D*			M*		N	E*	e			
P0403	Exhaust Gas Recirculation Control Circuit	G*	g	g			D*	d	d	M*						D*	
P0404	Exhaust Gas Recirculation Control Circuit Range/Performance									M						D*	
P0405	Exhaust Gas Recirculation Sensor A Circuit Low	G*	g	g			D*	d	d		J*						
P0406	Exhaust Gas Recirculation Sensor A Circuit High	G*	g	g			D*	d	d		J*						
P0407	Exhaust Gas Recirculation Sensor B Circuit Low						D*	d	d								
P0408	Exhaust Gas Recirculation Sensor B Circuit High						D*	d	d								
P0409	Exhaust Gas Recirculation Sensor A Circuit															D*	
P040A	Exhaust Gas Recirculation Temperature Sensor A Circuit																EGRT
P040B	Exhaust Gas Recirculation Temperature Sensor A Circuit Range/Performance																EGRT
P040C	Exhaust Gas Recirculation Temperature Sensor A Circuit Low																EGRT
P040D	Exhaust Gas Recirculation Temperature Sensor A Circuit High																EGRT

OBD-II Diagnostic Trouble Code Definitions		North America							Europe			Australia			SAE J1930 Component/ System and I/O Type		
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	* = MIL illuminates, ^ = O/D Cancel flashes, + = ETC light illuminates, [] = assigned but not used																
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P040E	Exhaust Gas Recirculation Temperature Sensor A Circuit Intermittent/Erratic																EGRT
P040F	Exhaust Gas Recirculation Temperature Sensor A/B Correlation																
P0410	Secondary Air Injection System								M								AIR SYS
P0411	Secondary Air Injection Incorrect Upstream Flow Detected	G*		g						J*	E*	e					
P0412	Secondary Air Injection Switching Valve A Circuit	G*	g	g					M		E*	e	e				
P0413	Secondary Air Injection Switching Valve A Circuit Open	G*	g	g						J*	E*	e	e				
P0414	Secondary Air Injection Switching Valve A Circuit Shorted	G*	g	g						J	E*	e	e				
P0415	Secondary Air Injection Switching Valve B Circuit										E						
P0416	Secondary Air Injection Switching Valve B Circuit Open	G*	g	g													
P0417	Secondary Air Injection Switching Valve B Circuit Shorted	G*	g	g													
P0418	Secondary Air Injection System Control A Circuit																
P0419	Secondary Air Injection System Control B Circuit																
P041A	Exhaust Gas Recirculation Temperature Sensor B Circuit																
P041B	Exhaust Gas Recirculation Temperature Sensor B Circuit Range/Performance																
P041C	Exhaust Gas Recirculation Temperature Sensor B Circuit Low																
P041D	Exhaust Gas Recirculation Temperature Sensor B Circuit High																
P041E	Exhaust Gas Recirculation Temperature Sensor B Circuit Intermittent/Erratic																
P041F																	
P0420	Catalyst System Efficiency Below Threshold (Bank 1)	G*							M*	J*	N	E*					TWC-1
P0421	Warm Up Catalyst Efficiency Below Threshold (Bank 1)								M*								WU-TWC-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 Circuit 1)																
P0426	Catalyst Temperature Sensor Circuit Range/Performance (Bank 1, Sensor Circuit 1)									J*							
P0427	Catalyst Temperature Sensor Circuit Low Input (Bank 1, Sensor Circuit 1)									J*							
P0428	Catalyst Temperature Sensor Circuit High Input (Bank 1, Sensor Circuit 1)									J*							
P0429	Catalyst Heater Control Circuit (Bank 1)																
P042A	Catalyst Temperature Sensor Circuit (Bank 1, Sensor Circuit 2)																
P042B	Catalyst Temperature Sensor Circuit Range/Performance (Bank1, Sensor Circuit 2)																
P042C	Catalyst Temperature Sensor Circuit Low Input (Bank 1, Sensor Circuit 2)																
P042D	Catalyst Temperature Sensor Circuit High Input (Bank 1, Sensor Circuit 2)																
P042E																	
P042F																	
P0430	Catalyst System Efficiency Below Threshold (Bank 2)	G*							M*	J*		E*					TWC-2
P0431	Warm Up Catalyst Efficiency Below Threshold (Bank 2)								M*								WU-TWC-2
P0432	Main Catalyst Efficiency Below Threshold (Bank 2)																
P0433	Heated Catalyst Efficiency Below Threshold (Bank 2)																
P0434	Heated Catalyst Temperature Below Threshold (Bank 2)																
P0435	Catalyst Temperature Sensor Circuit (Bank 2, Sensor Circuit 1)																
P0436	Catalyst Temperature Sensor Circuit Range/Performance (Bank 2, Sensor Circuit 1)									J*							
P0437	Catalyst Temperature Sensor Circuit Low Input (Bank 2, Sensor Circuit 1)									J*							
P0438	Catalyst Temperature Sensor Circuit High Input (Bank 2, Sensor Circuit 1)									J*							
P0439	Catalyst Heater Control Circuit (Bank 2)																
P043A	Catalyst Temperature Sensor Circuit (Bank 2, Sensor Circuit 2)																
P043B	Catalyst Temperature Sensor Circuit Range/Performance (Bank 2, Sensor Circuit 2)																
P043C	Catalyst Temperature Sensor Circuit Low Input (Bank 2, Sensor Circuit 2)																
P043D	Catalyst Temperature Sensor Circuit High Input (Bank 2, Sensor Circuit 2)																
P043E	Evaporative Emission System Leak Detection Reference Orifice Low Flow																
P043F	Evaporative Emission System Leak Detection Reference Orifice High Flow																
P0440	Evaporative Emission System	G*							M		E						EVAP SYS
P0441	Evaporative Emission System Incorrect Purge Flow								M*	J*							
P0442	Evaporative Emission System Leak Detected (small leak)	G*							M*	J*							
P0443	Evaporative Emission System Purge Control Valve Circuit	G*	g	g					M*	J*	E*	e	e		U		VMV
P0444	Evaporative Emission System Purge Control Valve Circuit Open								M	J*	E*						
P0445	Evaporative Emission System Purge Control Valve Circuit Shorted								M	J*							
P0446	Evaporative Emission System Vent Control Circuit	G*							M*	J*	E						
P0447	Evaporative Emission System Vent Control Circuit Open									J*							
P0448	Evaporative Emission System Vent Control Circuit Shorted									J*							

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P0449	Evaporative Emission System Vent Control Circuit Intermittent																	
P0450	Evaporative Emission System Pressure Sensor/Switch										M*	J*						
P0451	Evaporative Emission System Pressure Sensor/Switch Range/Performance	G*	g								M*							
P0452	Evaporative Emission System Pressure Sensor/Switch Low Input	G*	g	g							M*	J*					FTPT	
P0453	Evaporative Emission System Pressure Sensor/Switch High Input	G*	g	g							M*	J*					FTPT	
P0454	Evaporative Emission System Pressure Sensor/Switch Intermittent	G*									M*							
P0455	Evaporative Emission System Leak Detected (gross leak/no flow)	G*									M*	J*						
P0456	Evaporative Emission System Leak Detected (very small leak)	G*									M*	J*						
P0457	Evaporative Emission System Leak Detected (fuel cap loose/off)	G*																
P0458	Evaporative Emission System Purge Control Valve Circuit Low												E*					
P0459	Evaporative Emission System Purge Control Valve Circuit High												E*					
P0460	Fuel Level Sensor A Circuit	G*	g	g			D	d	d	M	J*		E	e	e		FLI	
P0461	Fuel Level Sensor A Circuit Range/Performance	G*									M*							
P0462	Fuel Level Sensor A Circuit Low Input	G*	g	g							M*							
P0463	Fuel Level Sensor A Circuit High Input	G*	g	g							M*							
P0464	Fuel Level Sensor A Circuit Intermittent										M*							
P0465	Evaporative Emission System Purge Flow Sensor Circuit																	
P0466	Evaporative Emission System Purge Flow Sensor Circuit Range/Performance																	
P0467	Evaporative Emission System Purge Flow Sensor Circuit Low Input																	
P0468	Evaporative Emission System Purge Flow Sensor Circuit High Input																	
P0469	Evaporative Emission System Purge Flow Sensor Circuit Intermittent																	
P0470	Exhaust Pressure Sensor A Circuit								d		M				D*		EP	
P0471	Exhaust Pressure Sensor A Circuit Range/Performance								D*								EP	
P0472	Exhaust Pressure Sensor A Circuit Low Input								D*	d	d						EP	
P0473	Exhaust Pressure Sensor A Circuit High Input								D*	d	d						EP	
P0474	Exhaust Pressure Sensor A Circuit Intermittent/Erratic																EP	
P0475	Exhaust Pressure Control Valve								D*	d								
P0476	Exhaust Pressure Control Valve Range/Performance									d								
P0477	Exhaust Pressure Control Valve Low Input																	
P0478	Exhaust Pressure Control Valve High Input								D*									
P0479	Exhaust Pressure Control Valve Intermittent																	
P047A	Exhaust Pressure Sensor B Circuit																	
P047B	Exhaust Pressure Sensor B Circuit Range/Performance																	
P047C	Exhaust Pressure Sensor B Circuit Low Input																	
P047D	Exhaust Pressure Sensor B Circuit High Input																	
P047E	Exhaust Pressure Sensor B Circuit Intermittent/Erratic																	
P047F																		
P0480	Fan 1 Control Circuit	G	g	g			D	d	M			E	e	e	U		FC-1	
P0481	Fan 2 Control Circuit	G	g	g					M			E	e	e	U		FC-2	
P0482	Fan 3 Control Circuit	G	g	g					M	J		E	e	e			FC-3	
P0483	Fan Performance	G															FC	
P0484	Fan Current																FC	
P0485	Fan Power/Ground Circuit																FC	
P0486	Exhaust Gas Recirculation Sensor B Circuit														D*			
P0487	EGR Throttle Position Control Circuit								D*	d	d				D*			
P0488	EGR Throttle Position Control Range/Performance								D*						D*			
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)																	
P0493	Fan Overspeed (clutch locked)																	
P0494	Fan Speed Low																	
P0495	Fan Speed High																	
P0496	Evaporative Emission System High Purge Flow																	
P0497	Evaporative Emission System Low Purge Flow																	
P0498	Evaporative Emission System Vent Control Circuit Low																	
P0499	Evaporative Emission System Vent Control Circuit High																	
	Vehicle Speed, Idle Control and Auxiliary Inputs																	
P0500	Vehicle Speed Sensor A	G*							D*		M*	J*	N	E*		D*	U	VSS

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P0501	Vehicle Speed Sensor A Range/Performance	G									M*									VSS
P0502	Vehicle Speed Sensor A Circuit Low Input																			VSS
P0503	Vehicle Speed Sensor A Intermittent/Erratic/High	G					D							E*						VSS
P0504	Brake Switch A / B Correlation													E						
P0505	Idle Air Control System			g						M*		N		E		e				IAC
P0506	Idle Air Control System RPM Lower Than Expected	G*								M*	J*			E				U		IAC
P0507	Idle Air Control System RPM Higher Than Expected	G*								M*	J*			E				U		IAC
P0508	Idle Air Control System Circuit Low													E*						
P0509	Idle Air Control System Circuit High													E*						
P050A	Cold Start Idle Air Control System Performance																			
P050B	Cold Start Ignition Timing Performance																			
P050C	Cold Start Engine Coolant Temperature Performance																			
P050D	Cold Start Rough Idle																			
P050E																				
P050F																				
P0510	Closed Throttle Position Switch									M*										CTP
P0511	Idle Air Control Circuit	G*	g	g						M*				E*						
P0512	Starter Request Circuit																			
P0513	Incorrect Immobilizer Key																			
P0514	Battery Temperature Sensor Circuit Range/Performance																			
P0515	Battery Temperature Sensor Circuit																D			
P0516	Battery Temperature Sensor Circuit Low																			
P0517	Battery Temperature Sensor Circuit High																			
P0518	Idle Air Control Circuit Intermittent	G																		
P0519	Idle Air Control Circuit System Performance																			
P0520	Engine Oil Pressure Sensor/Switch Circuit																			EOP
P0521	Engine Oil Pressure Sensor/Switch Circuit Range/Performance																			EOP
P0522	Engine Oil Pressure Sensor/Switch Circuit Low Input																			EOP
P0523	Engine Oil Pressure Sensor/Switch Circuit High Input																			EOP
P0524	Engine Oil Pressure Too Low																			EOP
P0525	Cruise Control Servo Control Circuit Range/Performance			g																
P0526	Fan Speed Sensor Circuit																			
P0527	Fan Speed Sensor Circuit Range/Performance																			
P0528	Fan Speed Sensor Circuit No Signal	G	g	g			D	d												
P0529	Fan Speed Sensor Circuit Intermittent																			
P0530	A/C Refrigerant Pressure Sensor A Circuit																			A/CRP
P0531	A/C Refrigerant Pressure Sensor A Circuit Range/Performance						D	d												A/CRP
P0532	A/C Refrigerant Pressure Sensor A Circuit Low Input	G	g	g																A/CRP
P0533	A/C Refrigerant Pressure Sensor A Circuit High Input	G	g	g										E						A/CRP
P0534	A/C Refrigerant Charge Loss	G																		U
P0535	A/C Evaporator Temperature Sensor Circuit																			
P0536	A/C Evaporator Temperature Sensor Circuit Range/Performance																			
P0537	A/C Evaporator Temperature Sensor Circuit Low	G	g	g						M										
P0538	A/C Evaporator Temperature Sensor Circuit High	G	g	g						M										
P0539	A/C Evaporator Temperature Sensor Circuit Intermittent																			
P0540	Intake Air Heater A Circuit																			
P0541	Intake Air Heater A Circuit Low						D	d												
P0542	Intake Air Heater A Circuit High						D	d												
P0543	Intake Air Heater A Circuit Open													E						
P0544	Exhaust Gas Temperature Sensor Circuit - Bank 1 Sensor 1													E						
P0545	Exhaust Gas Temperature Sensor Circuit Low - Bank 1 Sensor 1													E						
P0546	Exhaust Gas Temperature Sensor Circuit High - Bank 1 Sensor 1																			
P0547	Exhaust Gas Temperature Sensor Circuit - Bank 2 Sensor 1																			
P0548	Exhaust Gas Temperature Sensor Circuit Low - Bank 2 Sensor 1																			
P0549	Exhaust Gas Temperature Sensor Circuit High - Bank 2 Sensor 1																			
P0550	Power Steering Pressure Sensor/Switch Circuit									M*										PSP [AI]
P0551	Power Steering Pressure Sensor/Switch Circuit Range/Performance									M*										PSP [AI]
P0552	Power Steering Pressure Sensor/Switch Circuit Low Input	G	g																	PSP [AI]

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P0553	Power Steering Pressure Sensor/Switch Circuit High Input	G															PSP [AI]	
P0554	Power Steering Pressure Sensor/Switch Circuit Intermittent																PSP [AI]	
P0555	Brake Booster Pressure Sensor Circuit																	
P0556	Brake Booster Pressure Sensor Circuit Range/Performance																	
P0557	Brake Booster Pressure Sensor Circuit Low Input																	
P0558	Brake Booster Pressure Sensor Circuit High Input																	
P0559	Brake Booster Pressure Sensor Circuit Intermittent																	
P0560	System Voltage					D	d	d		J*	E	e		D				
P0561	System Voltage Unstable																	
P0562	System Voltage Low	G	g	g	T*	D*	d	d			E			D		U		
P0563	System Voltage High	G	g	g	T*	D	d	d			E			D				
P0564	Cruise Control Multi-Function Input A Circuit								M					D				
P0565	Cruise Control ON Signal	G				D	d	d		J								
P0566	Cruise Control OFF Signal	G				D	d	d		J								
P0567	Cruise Control RESUME Signal	G					d			J								
P0568	Cruise Control SET Signal	G					d			J								
P0569	Cruise Control COAST Signal	G					d			J								
P056A	Cruise Control INCREASE DISTANCE Signal																	
P056B	Cruise Control DECREASE DISTANCE Signal																	
P056C																		
P056D																		
P056E																		
P056F																		
P0570	Cruise Control ACCEL Signal	G					d			J								
P0571	Brake Switch A Circuit	G				D*	d	d	M*	J	E			D				
P0572	Brake Switch A Circuit Low																	
P0573	Brake Switch A Circuit High																	
P0574	Cruise Control System - Vehicle Speed Too High																	
P0575	Cruise Control Input Circuit													D				
P0576	Cruise Control Input Circuit Low																	
P0577	Cruise Control Input Circuit High																	
P0578	Cruise Control Multi-Function Input A Circuit Stuck																	
P0579	Cruise Control Multi-Function Input A Circuit Range/Performance	G																
P0580	Cruise Control Multi-Function Input A Circuit Low																	
P0581	Cruise Control Multi-Function Input A Circuit High	G	g	g														
P0582	Cruise Control Vacuum Control Circuit /Open																	
P0583	Cruise Control Vacuum Control Circuit Low																	
P0584	Cruise Control Vacuum Control Circuit High																	
P0585	Cruise Control Multi-Function Input A / B Correlation																	
P0586	Cruise Control Vent Control Circuit / Open																	
P0587	Cruise Control Vent Control Circuit Low																	
P0588	Cruise Control Vent Control Circuit High																	
P0589	Cruise Control Multi-Function Input B Circuit																	
P0590	Cruise Control Multi-Function Input B Circuit Stuck																	
P0591	Cruise Control Multi-Function Input B Circuit Range/Performance																	
P0592	Cruise Control Multi-Function Input B Circuit Low																	
P0593	Cruise Control Multi-Function Input B Circuit High																	
P0594	Cruise Control Servo Control Circuit / Open	G																
P0595	Cruise Control Servo Control Circuit Low																	
P0596	Cruise Control Servo Control Circuit High																	
P0597	Thermostat Heater Control Circuit / Open	G*	g	g														
P0598	Thermostat Heater Control Circuit Low																	
P0599	Thermostat Heater Control Circuit High																	
Computer and Auxiliary Outputs																		
P0600	Serial Communication Link	G								M*		N						
P0601	Internal Control Module Memory Check Sum Error				T*					M*								
P0602	Powertrain Control Module Programming Error	G	g	g						M*								
P0603	Internal Control Module Keep Alive Memory (KAM) Error	G*	g	T		D*	d	d	M*	J*	E	e		U			KAM	
P0604	Internal Control Module Random Access Memory (RAM) Error	G*		T*	t					M*		E						RAM

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P0605	Internal Control Module Read Only Memory (ROM) Error	G*	g	T*			d	M*	J	N	E	e	D*	U		ROM	
P0606	ECM / PCM Processor	G*					D*	d	d	M*	J	E	e	D*	U	PCM	
P0607	Control Module Performance	G*										E					
P0608	Powertrain Control Module Vehicle Speed Output A						d							D			
P0609	Powertrain Control Module Vehicle Speed Output B																
P060A	Internal Control Module Monitoring Processor Performance	G															
P060B	Internal Control Module A/D Processing Performance	G*												D			
P060C	Internal Control Module Main Processor Performance	G*															
P060D	Internal Control Module Accelerator Pedal Position Performance																
P060E	Internal Control Module Throttle Position Performance																
P060F	Internal Control Module Engine Coolant Temperature Performance	G															
P0610	Control Module Vehicle Options Error							M*	J		E						
P0611	Fuel Injector Control Module Performance						D*	d	d					D			
P0612	Fuel Injector Control Module Relay Control Circuit																
P0613	TCM Processor			T*	t												
P0614	ECM / TCM Incompatible								M								
P0615	Starter Relay Circuit			T			D	d	d			E		D			
P0616	Starter Relay Circuit Low											E		D			
P0617	Starter Relay Circuit High											E		D			
P0618	Alternative Fuel Control Module KAM Error																
P0619	Alternative Fuel Control Module RAM/ROM Error																
P061A	Internal Control Module Torque Performance																
P061B	Internal Control Module Torque Calculation Performance	G*												D			
P061C	Internal Control Module Engine RPM Performance	G*												D			
P061D	Internal Control Module Engine Air Mass Performance	G*															
P061E	Internal Control Module Brake Signal Performance																
P061F	Internal Control Module Throttle Actuator Controller Performance	G*															
P0620	Generator Control Circuit	G					D	d	d			E		D			
P0621	Generator Lamp Terminal Circuit											E					
P0622	Generator Field Terminal Circuit	G	g									E					
P0623	Generator Lamp Control Circuit						D	d	d					D			
P0624	Fuel Cap Lamp Control Circuit																
P0625	Generator Field Terminal Circuit Low	G	g									E					
P0626	Generator Field Terminal Circuit High	G	g									E					
P0627	Fuel Pump A Control Circuit / Open											E					
P0628	Fuel Pump A Control Circuit Low											E					
P0629	Fuel Pump A Control Circuit High											E					
P062A	Fuel Pump A Control Circuit Range/Performance																
P062B	Internal Control Module Fuel Injector Control Performance	G												D			
P062C	Internal Control Module Vehicle Speed Performance																
P062D	Fuel Injector Driver Circuit Performance Bank 1													D			
P062E	Fuel Injector Driver Circuit Performance Bank 2																
P062F	Internal Control Module EEPROM Error	G		T*													
P0630	VIN Not Programmed or Incompatible - ECM/PCM																
P0631	VIN Not Programmed or Incompatible - TCM																
P0632	Odometer Not Programmed - ECM/PCM																
P0633	Immobilizer Key Not Programmed - ECM/PCM																
P0634	PCM / ECM / TCM Internal Temperature Too High			T*					J								
P0635	Power Steering Control Circuit																
P0636	Power Steering Control Circuit Low																
P0637	Power Steering Control Circuit High																
P0638	Throttle Actuator Control Range/Performance - Bank 1								M*								
P0639	Throttle Actuator Control Range/Performance - Bank 2								M*								
P063A	Generator Voltage Sense Circuit																
P063B	Generator Voltage Sense Circuit Range/Performance																
P063C	Generator Voltage Sense Circuit Low																
P063D	Generator Voltage Sense Circuit High																
P063E	Auto Configuration Throttle Input Not Present																
P063F	Auto Configuration Engine Coolant Temperature Input Not Present																

OBD-II Diagnostic Trouble Code Definitions		North America									Europe			Australia			SAE J1930 Component/System and I/O Type
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* = MIL illuminates, ^ = O/D Cancel flashes, + = ETC light illuminates, [] = assigned but not used																	
All DTCs preceded by P unless otherwise indicated. Capital and small letters are used for visual impact only! Mazda and Nissan DTCs are for reference. Ford P/T is not responsible for assigning these DTCs. Shading indicates change from previous version.		Continuous	KOEO	KOER	Continuous	KOEO	KOER	Continuous	KOEO	KOER	Continuous	KOEO	KOER	Continuous	KOEO	KOER	
P0640	Intake Air Heater Control Circuit																
P0641	Sensor Reference Voltage A Circuit/Open																
P0642	Sensor Reference Voltage A Circuit Low				T*						J	E*		D*			
P0643	Sensor Reference Voltage A Circuit High											E*	e	D			
P0644	Driver Display Serial Communication Circuit											E	e				
P0645	A/C Clutch Relay Control Circuit	G	g	g				D	d	d		E		D		ACC	
P0646	A/C Clutch Relay Control Circuit Low											E		D		ACC	
P0647	A/C Clutch Relay Control Circuit High											E		D		ACC	
P0648	Immobilizer Lamp Control Circuit													D			
P0649	Cruise Control Lamp Control Circuit													D			
P0650	Malfunction Indicator Light Control Circuit											E	e	e	D	MIL	
P0651	Sensor Reference Voltage B Circuit / Open											E*		D*			
P0652	Sensor Reference Voltage B Circuit Low											E*		D			
P0653	Sensor Reference Voltage B Circuit High											E*		D			
P0654	Engine RPM Output Circuit											E		D			
P0655	Engine Hot Lamp Output Control Circuit																
P0656	Fuel level Output Circuit											E	e	e			
P0657	Actuator Supply Voltage A Circuit / Open				T*	t		D*	d	d	J						
P0658	Actuator Supply Voltage A Circuit Low				T*	t											
P0659	Actuator Supply Voltage A Circuit High				T*	t											
P065A	Generator System Performance																
P065B																	
P065C																	
P065D																	
P065E																	
P065F																	
P0660	Intake Manifold Tuning Valve Control Circuit / Open - Bank 1	G	g	g							M*						
P0661	Intake Manifold Tuning Valve Control Circuit Low - Bank 1										M*						
P0662	Intake Manifold Tuning Valve Control Circuit High - Bank 1										M*						
P0663	Intake Manifold Tuning Valve Control Circuit / Open - Bank 2	G	g	g													
P0664	Intake Manifold Tuning Valve Control Circuit Low - Bank 2																
P0665	Intake Manifold Tuning Valve Control Circuit High - Bank 2																
P0666	PCM / ECM / TCM Internal Temperature Sensor Circuit										J*						
P0667	PCM / ECM / TCM Internal Temperature Sensor Range/Performance				T*												
P0668	PCM / ECM / TCM Internal Temperature Sensor Circuit Low										M						
P0669	PCM / ECM / TCM Internal Temperature Sensor Circuit High										M						
P0670	Glow Plug Control Module Control Circuit / Open							D*	d	d							
P0671	Cylinder 1 Glow Plug Circuit							D*	d	d							
P0672	Cylinder 2 Glow Plug Circuit							D*	d	d							
P0673	Cylinder 3 Glow Plug Circuit							D*	d	d							
P0674	Cylinder 4 Glow Plug Circuit							D*	d	d							
P0675	Cylinder 5 Glow Plug Circuit							D*	d	d							
P0676	Cylinder 6 Glow Plug Circuit							D*	d	d							
P0677	Cylinder 7 Glow Plug Circuit							D*	d	d							
P0678	Cylinder 8 Glow Plug Circuit							D*	d	d							
P0679	Cylinder 9 Glow Plug Circuit																
P0680	Cylinder 10 Glow Plug Circuit																
P0681	Cylinder 11 Glow Plug Circuit																
P0682	Cylinder 12 Glow Plug Circuit																
P0683	Glow Plug Control Module to PCM Communication Circuit							D*	d	d							
P0684	Glow Plug Control Module to PCM Communication Circuit Range/Performance							D*	d	d							
P0685	ECM/PCM Power Relay Control Circuit/Open	G										E	e	e	D		
P0686	ECM/PCM Power Relay Control Circuit Low											E					
P0687	ECM/PCM Power Relay Control Circuit High											E					
P0688	ECM/PCM Power Relay Sense Circuit												e	e			
P0689	ECM/PCM Power Relay Sense Circuit Low																
P0690	ECM/PCM Power Relay Sense Circuit High																
P0691	Fan 1 Control Circuit Low											E		D		FC-1	
P0692	Fan 1 Control Circuit High											E		D		FC-1	

OBD-II Diagnostic Trouble Code Definitions		North America							Europe			Australia			SAE J1930 Component/ System and I/O Type	
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* = MIL illuminates, ^ = O/D Cancel flashes, + = ETC light illuminates, [] = assigned but not used																
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P0693	Fan 2 Control Circuit Low															FC-2
P0694	Fan 2 Control Circuit High															FC-2
P0695	Fan 3 Control Circuit Low															FC-3
P0696	Fan 3 Control Circuit High															FC-3
P0697	Sensor Reference Voltage C Circuit / Open															
P0698	Sensor Reference Voltage C Circuit Low															
P0699	Sensor Reference Voltage C Circuit High															
Transmission																
P0700	Transmission Control System (MIL Request)	G														
P0701	Transmission Control System Range/Performance				T*					J*						
P0702	Transmission Control System Electrical				T* t					J*						
P0703	Brake Switch B Input Circuit		g	g				d	M*	J*						
P0704	Clutch Switch Input Circuit	G						d	M*							
P0705	Transmission Range Sensor A Circuit (PRNDL Input)	G*	g		T*			D*	d	M*						TR
P0706	Transmission Range Sensor A Circuit Range/Performance				T*			D*	d	M*	J*					TR
P0707	Transmission Range Sensor A Circuit Low Input	G*	g		T*			D*	d	M*						TR
P0708	Transmission Range Sensor A Circuit High Input	G*	g		T*			D*	d	M*						TR
P0709	Transmission Range Sensor A Circuit Intermittent															TR
P070A	Transmission Fluid Level Sensor Circuit															
P070B	Transmission Fluid Level Sensor Circuit Range/Performance															
P070C	Transmission Fluid Level Sensor Circuit Low															
P070D	Transmission Fluid Level Sensor Circuit High															
P070E	Transmission Fluid Level Sensor Circuit Intermittent/Erratic															
P070F	Transmission Fluid Level Too Low															
P0710	Transmission Fluid Temperature Sensor A Circuit				T			D^		M*	J*	N				U
P0711	Transmission Fluid Temperature Sensor A Circuit Range/Performance	G^			T*			D*		M*	J					
P0712	Transmission Fluid Temperature Sensor A Circuit Low Input	G^	g	g	T*			D*	d	d	M*					U
P0713	Transmission Fluid Temperature Sensor A Circuit High Input	G^	g	g	T*			D*	d	d	M*					U
P0714	Transmission Fluid Temperature Sensor A Circuit Intermittent				T*											
P0715	Turbine/Input Shaft Speed Sensor A Circuit	G^+			g			D*		M*	J*					
P0716	Turbine/Input Shaft Speed Sensor A Circuit Range/Performance				T*											
P0717	Turbine/Input Shaft Speed Sensor A Circuit No Signal	G^			g			D^								
P0718	Turbine/Input Shaft Speed Sensor A Circuit Intermittent	G^			g			D^								
P0719	Brake Switch B Input Circuit Low															
P071A	Transmission Mode Switch A Circuit															
P071B	Transmission Mode Switch A Circuit Low															
P071C	Transmission Mode Switch A Circuit High															
P071D	Transmission Mode Switch B Circuit															
P071E	Transmission Mode Switch B Circuit Low															
P071F	Transmission Mode Switch B Circuit High															
P0720	Output Shaft Speed Sensor Circuit	G^+			T			D*		M*	J*	N	E*			
P0721	Output Shaft Speed Sensor Circuit Range/Performance	G^			T*			D^					E			
P0722	Output Shaft Speed Sensor Circuit No Signal	G^			T*			D^		M*			E			
P0723	Output Shaft Speed Sensor Circuit Intermittent	G			T*											
P0724	Brake Switch B Input Circuit High															
P0725	Engine Speed Input Circuit									M*		N	E			
P0726	Engine Speed Input Circuit Range/Performance				T								E	e		
P0727	Engine Speed Input Circuit No Signal				T											
P0728	Engine Speed Input Circuit Intermittent															
P0729	Gear 6 Incorrect Ratio				T*			D^			J*					
P072A	Stuck in Neutral															
P072B	Stuck in Reverse															
P072C	Stuck in Gear 1															
P072D	Stuck in Gear 2															
P072E	Stuck in Gear 3															
P072F	Stuck in Gear 4															
P0730	Incorrect Gear Ratio				T*			D^		M*			E			
P0731	Gear 1 Incorrect Ratio	G^			T*			D^		M	J*	N				
P0732	Gear 2 Incorrect Ratio	G^			T*			D^		M	J*	N				

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* = MIL illuminates, ^ = O/D Cancel flashes, + = ETC light illuminates, [] = assigned but not used																		
All DTCs preceded by P unless otherwise indicated. Capital and small letters are used for visual impact only! Mazda and Nissan DTCs are for reference. Ford P/T is not responsible for assigning these DTCs. Shading indicates change from previous version.		Continuous	KOEO	KOER	Continuous	KOEO	KOER	Continuous	KOEO	KOER	Continuous	KOEO	KOER	Continuous	KOEO	KOER		
P0733	Gear 3 Incorrect Ratio	G^			T*			D^			M	J*	N				3GR	
P0734	Gear 4 Incorrect Ratio	G^			T*			D^			M	J*	N				4GR	
P0735	Gear 5 Incorrect Ratio	G^			T*			D^									5GR	
P0736	Reverse Incorrect Ratio				T*							J*						
P0737	TCM Engine Speed Output Circuit																	
P0738	TCM Engine Speed Output Circuit Low																	
P0739	TCM Engine Speed Output Circuit High																	
P073A	Stuck in Gear 5																	
P073B	Stuck in Gear 6																	
P073C	Stuck in Gear 7																	
P073D	Unable to Engage Neutral																	
P073E	Unable to Engage Reverse																	
P073F	Unable to Engage Gear 1																	
P0740	Torque Converter Clutch Solenoid Circuit / Open	G^	g		T*			D*	d		M*	J*	N				TCC	
P0741	Torque Converter Clutch Solenoid Circuit Performance/Stuck Off	G^			T*			D*			M	J*					TCC	
P0742	Torque Converter Clutch Solenoid Circuit Stuck On				T*			D*	d		M	J*					TCC	
P0743	Torque Converter Clutch Solenoid Circuit Electrical	G*	g		T*			D^	d		M*	J*		E	e		U	TCC
P0744	Torque Converter Clutch Solenoid Circuit Intermittent							D*	d									TCC
P0745	Pressure Control Solenoid A	G*									M*		N					PC-A
P0746	Pressure Control Solenoid A Performance/Stuck Off	G*																PC-A
P0747	Pressure Control Solenoid A Stuck On																	PC-A
P0748	Pressure Control Solenoid A Electrical	G^						D^	d			J*					U	PC-A
P0749	Pressure Control Solenoid A Intermittent																	PC-A
P074A	Unable to Engage Gear 2																	
P074B	Unable to Engage Gear 3																	
P074C	Unable to Engage Gear 4																	
P074D	Unable to Engage Gear 5																	
P074E	Unable to Engage Gear 6																	
P074F	Unable to Engage Gear 7																	
P0750	Shift Solenoid A	G*	g					D*	d		M*		N					SS-A [DO]
P0751	Shift Solenoid A Performance/Stuck Off	G*						D*			M*							SS-A [DO]
P0752	Shift Solenoid A Stuck On							D*			M*							SS-A [DO]
P0753	Shift Solenoid A Electrical	G^	g					D^	d		M*	J*					U	SS-A [DO]
P0754	Shift Solenoid A Intermittent																	SS-A [DO]
P0755	Shift Solenoid B	G*	g					D*	d		M*		N					SS-B [DO]
P0756	Shift Solenoid B Performance/Stuck Off	G*						D*			M*							SS-B [DO]
P0757	Shift Solenoid B Stuck On							D*			M*							SS-B [DO]
P0758	Shift Solenoid B Electrical	G^	g					D^	d		M*	J*					U	SS-B [DO]
P0759	Shift Solenoid B Intermittent																	SS-B [DO]
P075A	Shift Solenoid G																	
P075B	Shift Solenoid G Performance/Stuck Off																	
P075C	Shift Solenoid G Stuck On																	
P075D	Shift Solenoid G Electrical																	
P075E	Shift Solenoid G Intermittent																	
P075F	Transmission Fluid Level Too High																	
P0760	Shift Solenoid C	G*	g					D*	d		M*							SS-C [DO]
P0761	Shift Solenoid C Performance/Stuck Off	G*						D*			M*							SS-C [DO]
P0762	Shift Solenoid C Stuck On							D*			M*							SS-C [DO]
P0763	Shift Solenoid C Electrical	G^	g					D^	d		M*	J*					U	SS-C [DO]
P0764	Shift Solenoid C Intermittent																	SS-C [DO]
P0765	Shift Solenoid D	G*	g					D*	d									SS-D [DO]
P0766	Shift Solenoid D Performance/Stuck Off	G*									M*							SS-D [DO]
P0767	Shift Solenoid D Stuck On										M*							SS-D [DO]
P0768	Shift Solenoid D Electrical	G^	g					D^	d		M*						U	SS-D [DO]
P0769	Shift Solenoid D Intermittent																	SS-D [DO]
P076A	Shift Solenoid H																	
P076B	Shift Solenoid H Performance/Stuck Off																	
P076C	Shift Solenoid H Stuck On																	
P076D	Shift Solenoid H Electrical																	

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* = MIL illuminates, ^ = O/D Cancel flashes, + = ETC light illuminates, [] = assigned but not used																
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P076E	Shift Solenoid H Intermittent															
P076F	Gear 7 Ratio Incorrect															
P0770	Shift Solenoid E	G*	g		T*		D*	d								SS-E [DO]
P0771	Shift Solenoid E Performance/Stuck Off	G*							M*							SS-E [DO]
P0772	Shift Solenoid E Stuck On				T				M*							SS-E [DO]
P0773	Shift Solenoid E Electrical	G^	g				D^	d	M*							SS-E [DO]
P0774	Shift Solenoid E Intermittent															SS-E [DO]
P0775	Pressure Control Solenoid B	G*														PC-B
P0776	Pressure Control Solenoid B Performance/Stuck Off															PC-B
P0777	Pressure Control Solenoid B Stuck On															PC-B
P0778	Pressure Control Solenoid B Electrical	G^							J*					U		PC-B
P0779	Pressure Control Solenoid B Intermittent	G^	g													PC-B
P0780	Shift Malfunction				T*											
P0781	1-2 Shift	G^			T*		D^		J							
P0782	2-3 Shift	G^			T*		D^		J							
P0783	3-4 Shift	G^			T*		D^		J							
P0784	4-5 Shift				T*				J							
P0785	Shift/Timing Solenoid															
P0786	Shift/Timing Solenoid Range/Performance															
P0787	Shift/Timing Solenoid Low															
P0788	Shift/Timing Solenoid High															
P0789	Shift/Timing Solenoid Intermittent															
P0790	Normal/Performance Switch Circuit	G							J							
P0791	Intermediate Shaft Speed Sensor A Circuit	G^	g				D*		J*							ISS
P0792	Intermediate Shaft Speed Sensor A Circuit Range/Performance															ISS
P0793	Intermediate Shaft Speed Sensor A Circuit No Signal						D^									ISS
P0794	Intermediate Shaft Speed Sensor A Circuit Intermittent	G^					D^									ISS
P0795	Pressure Control Solenoid C	G*							J*							PC-C
P0796	Pressure Control Solenoid C Performance/Stuck Off	G*	g													PC-C
P0797	Pressure Control Solenoid C Stuck On	G*	g													PC-C
P0798	Pressure Control Solenoid C Electrical	G^														PC-C
P0799	Pressure Control Solenoid C Intermittent	G^	g													PC-C
Transmission																
P0800	Transfer Case Control System (MIL Request)															
P0801	Reverse Inhibit Control Circuit								J							
P0802	Transmission Control System MIL Request Circuit / Open															
P0803	Upshift / Skip Shift Solenoid Control Circuit															
P0804	Upshift / Skip Shift Lamp Control Circuit															
P0805	Clutch Position Sensor Circuit										E	e				CP
P0806	Clutch Position Sensor Circuit Range/Performance										E	e				CP
P0807	Clutch Position Sensor Circuit Low															CP
P0808	Clutch Position Sensor Circuit High															CP
P0809	Clutch Position Sensor Circuit Intermittent										E	e				CP
P080A	Clutch Position Not Learned															
P080B	Upshift / Skip Shift Solenoid Control Circuit Range/Performance															
P080C	Upshift / Skip Shift Solenoid Control Circuit Low															
P080D	Upshift / Skip Shift Solenoid Control Circuit High															
P080E																
P080F																
P0810	Clutch Position Control Error				T						E					
P0811	Excessive Clutch A Slippage				T*						E					
P0812	Reverse Input Circuit	G									E					
P0813	Reverse Output Circuit															
P0814	Transmission Range Display Circuit	G														
P0815	Upshift Switch Circuit	G	g	g												
P0816	Downshift Switch Circuit	G	g	g												
P0817	Starter Disable Circuit / Open				T						E			D		
P0818	Driveline Disconnect Switch Input Circuit			g												
P0819	Up and Down Shift Switch to Transmission Range Correlation															

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	* = MIL illuminates, ^ = O/D Cancel flashes, + = ETC light illuminates, [] = assigned but not used																
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P081A	Starter Disable Circuit Low																
P081B	Starter Disable Circuit High																
P081C	Park Input Circuit																
P081D	Neutral Input Circuit																
P081E	Excessive Clutch B Slippage																
P018F																	
P0820	Gear Lever X-Y Position Sensor Circuit																
P0821	Gear Lever X Position Sensor Circuit											E					
P0822	Gear Lever Y Position Sensor Circuit											E					
P0823	Gear Lever X Position Sensor Circuit Intermittent											E					
P0824	Gear Lever Y Position Sensor Circuit Intermittent											E					
P0825	Gear Lever Push/Pull Switch Circuit (Shift Anticipate)									J		E					
P0826	Up and Down Switch Input Circuit											E	e				
P0827	Up and Down Switch Input Circuit Low																
P0828	Up and Down Switch Input Circuit High																
P0829	5-6 Shift				T*					J*							
P0830	Clutch Pedal Switch A Circuit	G														D	
P0831	Clutch Pedal Switch A Circuit Low																
P0832	Clutch Pedal Switch A Circuit High																
P0833	Clutch Pedal Switch B Circuit	G															
P0834	Clutch Pedal Switch B Circuit Low																
P0835	Clutch Pedal Switch B Circuit High																
P0836	Four Wheel Drive (4WD) Switch Circuit														D		
P0837	Four Wheel Drive (4WD) Switch Circuit Range/Performance																
P0838	Four Wheel Drive (4WD) Switch Circuit Low																
P0839	Four Wheel Drive (4WD) Switch Circuit High																
P083A	Transmission Fluid Pressure Sensor/Switch G Circuit																
P083B	Transmission Fluid Pressure Sensor/Switch G Circuit Range/Performance																
P083C	Transmission Fluid Pressure Sensor/Switch G Circuit Low																
P083D	Transmission Fluid Pressure Sensor/Switch G Circuit High																
P083E	Transmission Fluid Pressure Sensor/Switch G Circuit Intermittent																
P083F	Clutch Pedal Switch A / B Correlation																
P0840	Transmission Fluid Pressure Sensor/Switch A Circuit	G	g	g	T*		D^										
P0841	Transmission Fluid Pressure Sensor/Switch A Circuit Range/Performance						D*		M								
P0842	Transmission Fluid Pressure Sensor/Switch A Circuit Low																
P0843	Transmission Fluid Pressure Sensor/Switch A Circuit High																
P0844	Transmission Fluid Pressure Sensor/Switch A Circuit Intermittent	G															
P0845	Transmission Fluid Pressure Sensor/Switch B Circuit				T*		D^										
P0846	Transmission Fluid Pressure Sensor/Switch B Circuit Range/Performance						D*		M*								
P0847	Transmission Fluid Pressure Sensor/Switch B Circuit Low																
P0848	Transmission Fluid Pressure Sensor/Switch B Circuit High																
P0849	Transmission Fluid Pressure Sensor/Switch B Circuit Intermittent																
P084A	Transmission Fluid Pressure Sensor/Switch H Circuit																
P084B	Transmission Fluid Pressure Sensor/Switch H Circuit Range/Performance																
P084C	Transmission Fluid Pressure Sensor/Switch H Circuit Low																
P084D	Transmission Fluid Pressure Sensor/Switch H Circuit High																
P084E	Transmission Fluid Pressure Sensor/Switch H Circuit Intermittent																
P084F																	
P0850	Park / Neutral Switch Input Circuit								M*			E					
P0851	Park / Neutral Switch Input Circuit Low																
P0852	Park / Neutral Switch Input Circuit High																
P0853	Drive Switch Input Circuit											E					
P0854	Drive Switch Input Circuit Low																
P0855	Drive Switch Input Circuit High																
P0856	Traction Control Input Signal																
P0857	Traction Control Input Signal Range/Performance											E					
P0858	Traction Control Input Signal Low																
P0859	Traction Control Input Signal High																
P085A	Gear Shift Module B Communication Circuit																

OBD-II Diagnostic Trouble Code Definitions		North America							Europe			Australia			SAE J1930 Component/ System and I/O Type		
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* = MIL illuminates, ^ = O/D Cancel flashes, + = ETC light illuminates, [] = assigned but not used																	
All DTCs preceded by P unless otherwise indicated. Capital and small letters are used for visual impact only! Mazda and Nissan DTCs are for reference. Ford P/T is not responsible for assigning these DTCs. Shading indicates change from previous version.		Continuous	KOEO	KOER	Continuous	KOEO	KOER	Continuous	KOEO	KOER		Continuous	KOEO	KOER	Continuous	KOEO	KOER
P085B	Gear Shift Module B Communication Circuit Low																
P085C	Gear Shift Module B Communication Circuit High																
P085D																	
P085E																	
P085F																	
P0860	Gear Shift Module A Communication Circuit																
P0861	Gear Shift Module A Communication Circuit Low																
P0862	Gear Shift Module A Communication Circuit High																
P0863	TCM Communication Circuit																
P0864	TCM Communication Circuit Range/Performance																
P0865	TCM Communication Circuit Low																
P0866	TCM Communication Circuit High																
P0867	Transmission Fluid Pressure																
P0868	Transmission Fluid Pressure Low					T											
P0869	Transmission Fluid Pressure High																
P0870	Transmission Fluid Pressure Sensor/Switch C Circuit							D^									
P0871	Transmission Fluid Pressure Sensor/Switch C Circuit Range/Performance					T		D*									
P0872	Transmission Fluid Pressure Sensor/Switch C Circuit Low																
P0873	Transmission Fluid Pressure Sensor/Switch C Circuit High																
P0874	Transmission Fluid Pressure Sensor/Switch C Circuit Intermittent																
P0875	Transmission Fluid Pressure Sensor/Switch D Circuit							D^									
P0876	Transmission Fluid Pressure Sensor/Switch D Circuit Range/Performance							D*									
P0877	Transmission Fluid Pressure Sensor/Switch D Circuit Low																
P0878	Transmission Fluid Pressure Sensor/Switch D Circuit High																
P0879	Transmission Fluid Pressure Sensor/Switch D Circuit Intermittent																
P0880	TCM Power Input Signal																
P0881	TCM Power Input Signal Range/Performance																
P0882	TCM Power Input Signal Low																
P0883	TCM Power Input Signal High																
P0884	TCM Power Input Signal Intermittent																
P0885	TCM Power Relay Control Circuit /Open											E	e				
P0886	TCM Power Relay Control Circuit Low											E	e				
P0887	TCM Power Relay Control Circuit High											E	e				
P0888	TCM Power Relay Sense Circuit																
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																
P0893	Multiple Gears Engaged																
P0894	Transmission Component Slipping																
P0895	Shift Time Too Short																
P0896	Shift Time Too Long																
P0897	Transmission Fluid Deteriorated																
P0898	Transmission Control System MIL Request Circuit Low																
P0899	Transmission Control System MIL Request Circuit High																
	Transmission																
P0900	Clutch Actuator Circuit / Open					T*						E	e				
P0901	Clutch Actuator Circuit Range/Performance																
P0902	Clutch Actuator Circuit Low					T*						E	e				
P0903	Clutch Actuator Circuit High					T*						E	e				
P0904	Gate Select Position Circuit [senses left / right position]											E	e				
P0905	Gate Select Position Circuit Range/Performance											E	e				
P0906	Gate Select Position Circuit Low																
P0907	Gate Select Position Circuit High																
P0908	Gate Select Position Circuit Intermittent											E	e				
P0909	Gate Select Control Error											E	e				
P0910	Gate Select Actuator Circuit / Open [left / right motion]											E	e				
P0911	Gate Select Actuator Circuit Range/Performance																
P0912	Gate Select Actuator Circuit Low											E	e				

OBD-II Diagnostic Trouble Code Definitions		North America							Europe			Australia			SAE J1930 Component/ System and I/O Type				
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P0913	Gate Select Actuator Circuit High																		
P0914	Gear Shift Position Circuit [senses forward / rearward position, odd / even gears]																		
P0915	Gear Shift Position Circuit Range/Performance																		
P0916	Gear Shift Position Circuit Low																		
P0917	Gear Shift Position Circuit High																		
P0918	Gear Shift Position Circuit Intermittent																		
P0919	Gear Shift Position Control Error																		
P0920	Gear Shift Forward Actuator Circuit / Open [forward motion, odd gears, 1,3,5]																		
P0921	Gear Shift Forward Actuator Circuit Range/Performance																		
P0922	Gear Shift Forward Actuator Circuit Low																		
P0923	Gear Shift Forward Actuator Circuit High																		
P0924	Gear Shift Reverse Actuator Circuit / Open [rearward motion, even gears, 2,4,6]																		
P0925	Gear Shift Reverse Actuator Circuit Range/Performance																		
P0926	Gear Shift Reverse Actuator Circuit Low																		
P0927	Gear Shift Reverse Actuator Circuit High																		
P0928	Gear Shift Lock Solenoid Circuit / Open																		
P0929	Gear Shift Lock Solenoid Circuit Range/Performance																		
P0930	Gear Shift Lock Solenoid Circuit Low																		
P0931	Gear Shift Lock Solenoid Circuit High																		
P0932	Hydraulic Pressure Sensor Circuit																		
P0933	Hydraulic Pressure Sensor Range/Performance																		
P0934	Hydraulic Pressure Sensor Circuit Low Input																		
P0935	Hydraulic Pressure Sensor Circuit High Input																		
P0936	Hydraulic Pressure Sensor Circuit Intermittent																		
P0937	Hydraulic Oil Temperature Sensor Circuit																		
P0938	Hydraulic Oil Temperature Sensor Range/Performance																		
P0939	Hydraulic Oil Temperature Sensor Circuit Low Input																		
P0940	Hydraulic Oil Temperature Sensor Circuit High Input																		
P0941	Hydraulic Oil Temperature Sensor Circuit Intermittent																		
P0942	Hydraulic Pressure Unit																		
P0943	Hydraulic Pressure Unit Cycling Period Too Short																		
P0944	Hydraulic Pressure Unit Loss of Pressure																		
P0945	Hydraulic Pump Relay Circuit / Open																		
P0946	Hydraulic Pump Relay Circuit Range/Performance																		
P0947	Hydraulic Pump Relay Circuit Low																		
P0948	Hydraulic Pump Relay Circuit High																		
P0949	Auto Shift Manual Adaptive Learning Not Done																		
P0950	Auto Shift Manual Control Circuit [Up / Down / Auto / etc]																		
P0951	Auto Shift Manual Control Circuit Range/Performance																		
P0952	Auto Shift Manual Control Circuit Low																		
P0953	Auto Shift Manual Control Circuit High																		
P0954	Auto Shift Manual Control Circuit Intermittent																		
P0955	Auto Shift Manual Mode Circuit [Perf / Winter / Sport / etc]																		
P0956	Auto Shift Manual Mode Circuit Range/Performance																		
P0957	Auto Shift Manual Mode Circuit Low																		
P0958	Auto Shift Manual Mode Circuit High																		
P0959	Auto Shift Manual Mode Circuit Intermittent																		
P0960	Pressure Control Solenoid A Control Circuit / Open	G^	g		T			D*	d										
P0961	Pressure Control Solenoid A Control Circuit Range/Performance																		
P0962	Pressure Control Solenoid A Control Circuit Low	G*	g		T*	t		D*	d										
P0963	Pressure Control Solenoid A Control Circuit High	G*	g		T*	t		D*	d										
P0964	Pressure Control Solenoid B Control Circuit / Open	G^	g		T*														
P0965	Pressure Control Solenoid B Control Circuit Range/Performance																		
P0966	Pressure Control Solenoid B Control Circuit Low	G*	g		T*														
P0967	Pressure Control Solenoid B Control Circuit High	G^	g		T*														
P0968	Pressure Control Solenoid C Control Circuit / Open	G^	g		T*														
P0969	Pressure Control Solenoid C Control Circuit Range/Performance																		
P0970	Pressure Control Solenoid C Control Circuit Low	G*	g		T*														
P0971	Pressure Control Solenoid C Control Circuit High	G^	g		T*														

OBD-II Diagnostic Trouble Code Definitions		North America									Europe			Australia			SAE J1930 Component/ System and I/O Type
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P0972	Shift Solenoid A Control Circuit Range/Performance				T*		D^										
P0973	Shift Solenoid A Control Circuit Low				T*	t	D*	d									
P0974	Shift Solenoid A Control Circuit High				T*	t	D*	d									
P0975	Shift Solenoid B Control Circuit Range/Performance				T*		D^										
P0976	Shift Solenoid B Control Circuit Low				T*	t	D*	d									
P0977	Shift Solenoid B Control Circuit High				T*	t	D*	d									
P0978	Shift Solenoid C Control Circuit Range/Performance				T*		D^										
P0979	Shift Solenoid C Control Circuit Low				T*	t	D*	d									
P0980	Shift Solenoid C Control Circuit High				T*	t	D*	d									
P0981	Shift Solenoid D Control Circuit Range/Performance				T*		D^										
P0982	Shift Solenoid D Control Circuit Low				T*	t	D*	d									
P0983	Shift Solenoid D Control Circuit High				T*	t	D*	d									
P0984	Shift Solenoid E Control Circuit Range/Performance						D^										
P0985	Shift Solenoid E Control Circuit Low				T*	t	D*	d									
P0986	Shift Solenoid E Control Circuit High				T*	t	D*	d									
P0987	Transmission Fluid Pressure Sensor/Switch E Circuit						D^										
P0988	Transmission Fluid Pressure Sensor/Switch E Circuit Range/Performance						D*										
P0989	Transmission Fluid Pressure Sensor/Switch E Circuit Low																
P0990	Transmission Fluid Pressure Sensor/Switch E Circuit High																
P0991	Transmission Fluid Pressure Sensor/Switch E Circuit Intermittent																
P0992	Transmission Fluid Pressure Sensor/Switch F Circuit																
P0993	Transmission Fluid Pressure Sensor/Switch F Circuit Range/Performance																
P0994	Transmission Fluid Pressure Sensor/Switch F Circuit Low																
P0995	Transmission Fluid Pressure Sensor/Switch F Circuit High																
P0996	Transmission Fluid Pressure Sensor/Switch F Circuit Intermittent																
P0997	Shift Solenoid F Control Circuit Range/Performance					T											
P0998	Shift Solenoid F Control Circuit Low					T	t										
P0999	Shift Solenoid F Control Circuit High					T	t										
P099A	Shift Solenoid G Control Circuit Range/Performance																
P099B	Shift Solenoid G Control Circuit Low																
P099C	Shift Solenoid G Control Circuit High																
P099D	Shift Solenoid H Control Circuit Range/Performance																
P099E	Shift Solenoid H Control Circuit Low																
P099F	Shift Solenoid H Control Circuit High																
Hybrid Propulsion																	
P0A00	Motor Electronics Coolant Temperature Sensor Circuit	G															
P0A01	Motor Electronics Coolant Temperature Sensor Circuit Range/Performance					T											
P0A02	Motor Electronics Coolant Temperature Sensor Circuit Low	G	g	g													
P0A03	Motor Electronics Coolant Temperature Sensor Circuit High	G	g	g													
P0A04	Motor Electronics Coolant Temperature Sensor Circuit Intermittent																
P0A05	Motor Electronics Coolant Pump Control Circuit / Open	G	g	g													
P0A06	Motor Electronics Coolant Pump Control Circuit Low																
P0A07	Motor Electronics Coolant Pump Control Circuit High																
P0A08	DC/DC Converter Fault Circuit / Open	G	g	g													
P0A09	DC/DC Converter Fault Circuit Low	G	g	g													
P0A0A	High Voltage System Inter-lock Circuit					T											
P0A0B	High Voltage System Inter-lock Circuit Performance																
P0A0C	High Voltage System Inter-lock Circuit Low																
P0A0D	High Voltage System Inter-lock Circuit High																
P0A0E	High Voltage System Inter-lock Circuit Intermittent																
P0A0F	Engine Failed to Start																
P0A10	DC/DC Converter Fault Circuit High	G	g	g													
P0A11	DC/DC Converter Enable Circuit / Open	G	g	g													
P0A12	DC/DC Converter Enable Circuit Low	G	g	g													
P0A13	DC/DC Converter Enable Circuit High	G	g	g													
P0A14	Engine Mount Control A Circuit / Open	G	g	g													
P0A15	Engine Mount Control A Circuit Low																
P0A16	Engine Mount Control A Circuit High																
P0A17	Motor Torque Sensor Circuit																

OBD-II Diagnostic Trouble Code Definitions		North America									Europe			Australia			SAE J1930 Component/ System and I/O Type
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* = MIL illuminates, ^ = O/D Cancel flashes, + = ETC light illuminates, [] = assigned but not used																	
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P0A18	Motor Torque Sensor Circuit Range/Performance	G	g	g													
P0A19	Motor Torque Sensor Circuit Low																
P0A1A	Generator Control Module				T												
P0A1B	Drive Motor "A" Control Module				T												
P0A1C	Drive Motor "B" Control Module																
P0A1D	Hybrid Powertrain Control Module																
P0A1E	Starter/Generator Control Module																
P0A1F	Battery Energy Control Module	G															
P0A20	Motor Torque Sensor Circuit High																
P0A21	Motor Torque Sensor Circuit Intermittent																
P0A22	Generator Torque Sensor Circuit																
P0A23	Generator Torque Sensor Circuit Range/Performance	G	g	g													
P0A24	Generator Torque Sensor Circuit Low																
P0A25	Generator Torque Sensor Circuit High																
P0A26	Generator Torque Sensor Circuit Intermittent																
P0A27	Hybrid Battery Power Off Circuit	G															
P0A28	Hybrid Battery Power Off Circuit Low	G															
P0A29	Hybrid Battery Power Off Circuit High																
P0A2A	Drive Motor "A" Temperature Sensor Circuit				T												
P0A2B	Drive Motor "A" Temperature Sensor Circuit Range/Performance																
P0A2C	Drive Motor "A" Temperature Sensor Circuit Low																
P0A2D	Drive Motor "A" Temperature Sensor Circuit High																
P0A2E	Drive Motor "A" Temperature Sensor Circuit Intermittent																
P0A2F	Drive Motor "A" Over Temperature				T												
P0A30	Drive Motor "B" Temperature Sensor Circuit																
P0A31	Drive Motor "B" Temperature Sensor Circuit Range/Performance																
P0A32	Drive Motor "B" Temperature Sensor Circuit Low																
P0A33	Drive Motor "B" Temperature Sensor Circuit High																
P0A34	Drive Motor "B" Temperature Sensor Circuit Intermittent																
P0A35	Drive Motor "B" Over Temperature																
P0A36	Generator Temperature Sensor Circuit				T												
P0A37	Generator Temperature Sensor Circuit Range/Performance																
P0A38	Generator Temperature Sensor Circuit Low																
P0A39	Generator Temperature Sensor Circuit High																
P0A3A	Generator Temperature Sensor Circuit Intermittent																
P0A3B	Generator Over Temperature				T								D				
P0A3C	Drive Motor "A" Inverter Over Temperature				T												
P0A3D	Drive Motor "B" Inverter Over Temperature																
P0A3E	Generator Inverter Over Temperature				T												
P0A3F	Drive Motor "A" Position Sensor Circuit																
P0A40	Drive Motor "A" Position Sensor Circuit Range/Performance																
P0A41	Drive Motor "A" Position Sensor Circuit Low																
P0A42	Drive Motor "A" Position Sensor Circuit High																
P0A43	Drive Motor "A" Position Sensor Circuit Intermittent																
P0A44	Drive Motor "A" Position Sensor Circuit Overspeed				T												
P0A45	Drive Motor "B" Position Sensor Circuit																
P0A46	Drive Motor "B" Position Sensor Circuit Range/Performance																
P0A47	Drive Motor "B" Position Sensor Circuit Low																
P0A48	Drive Motor "B" Position Sensor Circuit High																
P0A49	Drive Motor "B" Position Sensor Circuit Intermittent																
P0A4A	Drive Motor "B" Position Sensor Circuit Overspeed																
P0A4B	Generator Position Sensor Circuit																
P0A4C	Generator Position Sensor Circuit Range/Performance																
P0A4D	Generator Position Sensor Circuit Low																
P0A4E	Generator Position Sensor Circuit High																
P0A4F	Generator Position Sensor Circuit Intermittent																
P0A50	Generator Position Sensor Circuit Overspeed				T												
P0A51	Drive Motor "A" Current Sensor Circuit																
P0A52	Drive Motor "A" Current Sensor Circuit Range/Performance																

OBD-II Diagnostic Trouble Code Definitions		North America							Europe			Australia			SAE J1930 Component/ System and I/O Type					
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P0A53	Drive Motor "A" Current Sensor Circuit Low																			
P0A54	Drive Motor "A" Current Sensor Circuit High																			
P0A55	Drive Motor "B" Current Sensor Circuit																			
P0A56	Drive Motor "B" Current Sensor Circuit Range/Performance																			
P0A57	Drive Motor "B" Current Sensor Circuit Low																			
P0A58	Drive Motor "B" Current Sensor Circuit High																			
P0A59	Generator Current Sensor Circuit																			
P0A5A	Generator Current Sensor Circuit Range/Performance																			
P0A5B	Generator Current Sensor Circuit Low																			
P0A5C	Generator Current Sensor Circuit High																			
P0A5D	Drive Motor "A" Phase U Current																			
P0A5E	Drive Motor "A" Phase U Current Low																			
P0A5F	Drive Motor "A" Phase U Current High																			
P0A60	Drive Motor "A" Phase V Current																			
P0A61	Drive Motor "A" Phase V Current Low																			
P0A62	Drive Motor "A" Phase V Current High																			
P0A63	Drive Motor "A" Phase W Current																			
P0A64	Drive Motor "A" Phase W Current Low																			
P0A65	Drive Motor "A" Phase W Current High																			
P0A66	Drive Motor "B" Phase U Current																			
P0A67	Drive Motor "B" Phase U Current Low																			
P0A68	Drive Motor "B" Phase U Current High																			
P0A69	Drive Motor "B" Phase V Current																			
P0A6A	Drive Motor "B" Phase V Current Low																			
P0A6B	Drive Motor "B" Phase V Current High																			
P0A6C	Drive Motor "B" Phase W Current																			
P0A6D	Drive Motor "B" Phase W Current Low																			
P0A6E	Drive Motor "B" Phase W Current High																			
P0A6F	Generator Phase U Current																			
P0A70	Generator Phase U Current Low																			
P0A71	Generator Phase U Current High																			
P0A72	Generator Phase V Current																			
P0A73	Generator Phase V Current Low																			
P0A74	Generator Phase V Current High																			
P0A75	Generator Phase W Current																			
P0A76	Generator Phase W Current Low																			
P0A77	Generator Phase W Current High																			
P0A78	Drive Motor "A" Inverter Performance																			T
P0A79	Drive Motor "B" Inverter Performance																			
P0A7A	Generator Inverter Performance																			T
P0A7B	Battery Energy Control Module Requested MIL Illumination																			
P0A7C	Motor Electronics Over Temperature																			G
P0A7D	Hybrid Battery Pack State of Charge Low																			
P0A7E	Hybrid Battery Pack Over Temperature																			
P0A7F	Hybrid Battery Pack Deterioration																			
P0A80	Replace Hybrid Battery Pack																			
P0A81	Hybrid Battery Pack Cooling Fan 1 Control Circuit																			
P0A82	Hybrid Battery Pack Cooling Fan 1 Performance/Stuck Off																			
P0A83	Hybrid Battery Pack Cooling Fan 1 Stuck On																			
P0A84	Hybrid Battery Pack Cooling Fan 1 Control Circuit Low																			
P0A85	Hybrid Battery Pack Cooling Fan 1 Control Circuit High																			
P0A86	14 Volt Power Module Current Sensor Circuit																			
P0A87	14 Volt Power Module Current Sensor Circuit Range/Performance																			
P0A88	14 Volt Power Module Current Sensor Circuit Low																			
P0A89	14 Volt Power Module Current Sensor Circuit High																			
P0A8A	14 Volt Power Module Current Sensor Circuit Intermittent																			
P0A8B	14 Volt Power Module System Voltage																			
P0A8C	14 Volt Power Module System Voltage Unstable																			
P0A8D	14 Volt Power Module System Voltage Low																			

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P0A8E	14 Volt Power Module System Voltage High															
P0A8F	14 Volt Power Module System Voltage Performance															
P0A90	Drive Motor "A" Performance				T											
P0A91	Drive Motor "B" Performance															
P0A92	Hybrid Generator Performance				T											
P0A93	Inverter Cooling System Performance															
P0A94	DC/DC Converter Performance															
P0A95	High Voltage Fuse															
P0A96	Hybrid Battery Pack Cooling Fan 2 Control Circuit															
P0A97	Hybrid Battery Pack Cooling Fan 2 Performance/Stuck Off															
P0A98	Hybrid Battery Pack Cooling Fan 2 Stuck On															
P0A99	Hybrid Battery Pack Cooling Fan 2 Control Circuit Low															
P0A9A	Hybrid Battery Pack Cooling Fan 2 Control Circuit High															
P0A9B	Hybrid Battery Temperature Sensor A Circuit															
P0A9C	Hybrid Battery Temperature Sensor A Circuit Range/Performance															
P0A9D	Hybrid Battery Temperature Sensor A Circuit Low															
P0A9E	Hybrid Battery Temperature Sensor A Circuit High															
P0A9F	Hybrid Battery Temperature Sensor A Circuit Intermittent/Erratic															
P0AA0	Hybrid Battery Positive Contactor Circuit															
P0AA1	Hybrid Battery Positive Contactor Circuit Stuck Closed															
P0AA2	Hybrid Battery Positive Contactor Circuit Stuck Open															
P0AA3	Hybrid Battery Negative Contactor Circuit															
P0AA4	Hybrid Battery Negative Contactor Circuit Stuck Closed															
P0AA5	Hybrid Battery Negative Contactor Circuit Stuck Open															
P0AA6	Hybrid Battery Voltage System Isolation Fault															
P0AA7	Hybrid Battery Voltage Isolation Sensor Circuit															
P0AA8	Hybrid Battery Voltage Isolation Sensor Circuit Range/Performance															
P0AA9	Hybrid Battery Voltage Isolation Sensor Circuit Low															
P0AAA	Hybrid Battery Voltage Isolation Sensor Circuit High															
P0AAB	Hybrid Battery Voltage Isolation Sensor Circuit Intermittent/Erratic															
P0AAC	Hybrid Battery Pack Air Temperature Sensor A Circuit															
P0AAD	Hybrid Battery Pack Air Temperature Sensor A Circuit Range/Performance															
P0AAE	Hybrid Battery Pack Air Temperature Sensor A Circuit Low															
P0AAF	Hybrid Battery Pack Air Temperature Sensor A Circuit High															
P0AB0	Hybrid Battery Pack Air Temperature Sensor A Circuit Intermittent/Erratic															
P0AB1	Hybrid Battery Pack Air Temperature Sensor B Circuit															
P0AB2	Hybrid Battery Pack Air Temperature Sensor B Circuit Range/Performance															
P0AB3	Hybrid Battery Pack Air Temperature Sensor B Circuit Low															
P0AB4	Hybrid Battery Pack Air Temperature Sensor B Circuit High															
P0AB5	Hybrid Battery Pack Air Temperature Sensor B Circuit Intermittent/Erratic															
P0AB6	Engine Mount Control B Circuit / Open															
P0AB7	Engine Mount Control B Circuit Low															
P0AB8	Engine Mount Control B Circuit High															
P0AB9	Hybrid System Performance															
P0ABA	Hybrid Battery Pack Voltage Sense Circuit															
P0ABB	Hybrid Battery Pack Voltage Sense Circuit Range / Performance															
P0ABC	Hybrid Battery Pack Voltage Sense Circuit Low															
P0ABD	Hybrid Battery Pack Voltage Sense Circuit High															
P0ABE	Hybrid Battery Pack Voltage Sense Circuit Intermittent / Erratic															
P0ABF	Hybrid Battery Pack Current Sensor Circuit / Open															
P0AC0	Hybrid Battery Pack Current Sensor Circuit Range / Performance															
P0AC1	Hybrid Battery Pack Current Sensor Circuit Low															
P0AC2	Hybrid Battery Pack Current Sensor Circuit High															
P0AC3	Hybrid Battery Pack Current Sensor Circuit Intermittent / Erratic															
P0AC4	Hybrid Powertrain Control Module Requested MIL Illumination															
P0AC5	Hybrid Battery Temperature Sensor B Circuit															
P0AC6	Hybrid Battery Temperature Sensor B Circuit Range/Performance															
P0AC7	Hybrid Battery Temperature Sensor B Circuit Low															
P0AC8	Hybrid Battery Temperature Sensor B Circuit High															

OBD-II Diagnostic Trouble Code Definitions		North America							Europe			Australia			SAE J1930 Component/System and I/O Type				
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* = MIL illuminates, ^ = O/D Cancel flashes, + = ETC light illuminates, [] = assigned but not used																			
All DTCs preceded by P unless otherwise indicated. Capital and small letters are used for visual impact only! Mazda and Nissan DTCs are for reference. Ford P/T is not responsible for assigning these DTCs. Shading indicates change from previous version.		Continuous	KOEO	KOER	Continuous	KOEO	KOER	Continuous	KOEO	KOER			Continuous	KOEO	KOER		Continuous	KOEO	KOER
P0AC9	Hybrid Battery Temperature Sensor B Circuit Intermittent/Erratic																		
P0ACA	Hybrid Battery Temperature Sensor C Circuit																		
P0ACB	Hybrid Battery Temperature Sensor C Circuit Range/Performance																		
P0ACC	Hybrid Battery Temperature Sensor C Circuit Low																		
P0ACD	Hybrid Battery Temperature Sensor C Circuit High																		
P0ACE	Hybrid Battery Temperature Sensor C Circuit Intermittent/Erratic																		
P0ACF	Hybrid Battery Pack Cooling Fan 3 Control Circuit																		
P0AD0	Hybrid Battery Pack Cooling Fan 3 Performance/Stuck Off																		
P0AD1	Hybrid Battery Pack Cooling Fan 3 Stuck On																		
P0AD2	Hybrid Battery Pack Cooling Fan 3 Control Circuit Low																		
P0AD3	Hybrid Battery Pack Cooling Fan 3 Control Circuit High																		
P0AD4	Hybrid Battery Pack Air Flow System Insufficient Air Flow																		
P0AD5	Hybrid Battery Pack Air Flow Valve A Control Circuit/Open																		
P0AD6	Hybrid Battery Pack Air Flow Valve A Control Circuit Range/Performance GM																		
P0AD7	Hybrid Battery Pack Air Flow Valve A Control Circuit Low																		
P0AD8	Hybrid Battery Pack Air Flow Valve A Control Circuit High																		
P0AD9	Hybrid Battery Positive Contactor Control Circuit/Open GM																		
P0ADA	Hybrid Battery Positive Contactor Control Circuit Range/Performance																		
P0ADB	Hybrid Battery Positive Contactor Control Circuit Low																		
P0ADC	Hybrid Battery Positive Contactor Control Circuit High																		
P0ADD	Hybrid Battery Negative Contactor Control Circuit/Open																		
P0ADE	Hybrid Battery Negative Contactor Control Circuit Range/Performance																		
P0ADF	Hybrid Battery Negative Contactor Control Circuit Low																		
P0AE0	Hybrid Battery Negative Contactor Control Circuit High																		
P0AE1	Hybrid Battery Precharge Contactor Circuit																		
P0AE2	Hybrid Battery Precharge Contactor Circuit Stuck Closed																		
P0AE3	Hybrid Battery Precharge Contactor Circuit Stuck Open																		
P0AE4	Hybrid Battery Precharge Contactor Control Circuit																		
P0AE5	Hybrid Battery Precharge Contactor Control Circuit Range/Performance																		
P0AE6	Hybrid Battery Precharge Contactor Control Circuit Circuit Low																		
P0AE7	Hybrid Battery Precharge Contactor Control Circuit High																		
P0AE8	Hybrid Battery Temperature Sensor D Circuit																		
P0AE9	Hybrid Battery Temperature Sensor D Range/Performance																		
P0AEA	Hybrid Battery Temperature Sensor D Circuit Low																		
P0AEB	Hybrid Battery Temperature Sensor D Circuit High																		
P0AEC	Hybrid Battery Temperature Sensor D Circuit Intermittent/Erratic																		
P0AED	Drive Motor Inverter Temperature Sensor A Circuit																		
P0AEE	Drive Motor Inverter Temperature Sensor A Circuit Range/Performance																		
P0AEF	Drive Motor Inverter Temperature Sensor A Circuit Low																		
P0AF0	Drive Motor Inverter Temperature Sensor A Circuit High																		
P0AF1	Drive Motor Inverter Temperature Sensor A Circuit Intermittent/Erratic																		
P0AF2	Drive Motor Inverter Temperature Sensor B Circuit																		
P0AF3	Drive Motor Inverter Temperature Sensor B Circuit Range/Performance																		
P0AF4	Drive Motor Inverter Temperature Sensor B Circuit Low																		
P0AF5	Drive Motor Inverter Temperature Sensor B Circuit High																		
P0AF6	Drive Motor Inverter Temperature Sensor B Circuit Intermittent/Erratic																		
P0AF7	14 Volt Power Module Internal Temperature Too High																		
P0AF8	Hybrid Battery System Voltage																		
P0AF9	Hybrid Battery System Voltage Unstable																		
P0AFA	Hybrid Battery System Voltage Low																		
P0AFB	Hybrid Battery System Voltage High																		
P0AFC																			
P0AFD																			
P0AFE																			
P0AFF																			
P0B00																			
P0B01																			
P0B02																			
P0B03																			

OBD-II Diagnostic Trouble Code Definitions		North America									Europe			Australia			SAE J1930 Component/ System and I/O Type
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* = MIL illuminates, ^ = O/D Cancel flashes, + = ETC light illuminates, [] = assigned but not used																	
All DTCs preceded by P unless otherwise indicated. Capital and small letters are used for visual impact only! Mazda and Nissan DTCs are for reference. Ford P/T is not responsible for assigning these DTCs. Shading indicates change from previous version.		Continuous	KOEO	KOER	Continuous	KOEO	KOER	Continuous	KOEO	KOER		Continuous	KOEO	KOER	Continuous	KOEO	KOER
P1131	Lack Of HO2S11 Switches - Sensor Indicates Lean (see P2195)	G*		g						M		E*	e				HO2S11
P1132	Lack Of HO2S11 Switches - Sensor Indicates Rich (see P2196)	G*		g						M		E*	e				HO2S11
P1133	Bank 1 Fuel Control Shifted Lean (FAOSC) (See P2096)	[G*]								M							
P1134	Bank 1 Fuel Control Shifted Rich (FAOSC) (See P2097)	[G*]								M							
P1135	Pedal Position Sensor A Circuit Intermittent	G	g	g													PP-A
P1135	HO2S11 Heater Circuit Low									M							
P1136	Control Box Fan Circuit										J						
P1136	HO2S11 Heater Circuit High									M							
P1137	Lack Of HO2S12 Switches - Sensor Indicates Lean (see P2270)			g						M	J		e				HO2S12
P1138	Lack Of HO2S12 Switches - Sensor Indicates Rich (see P2271)			g						M	J		e				HO2S12
P1139	Water in Fuel Indicator Circuit																
P1140	Water in Fuel Condition									D	d	d					
P1141	Fuel Restriction Indicator Circuit									D							
P1141	HO2S12 Heater Circuit Low									M							
P1142	Fuel Restriction Condition									D							
P1142	HO2S12 Heater Circuit High									M							
P1143	Air Assisted Injector Control Valve Range/Performance										J*						
P1143	Lack of HO2S Switches, HO2S13 Indicates Lean									M							
P1144	Air Assisted Injector Control Valve Circuit										J*						
P1144	Lack of HO2S Switches, HO2S13 Indicates Rich									M							
P1145	Calculated Torque Error	G			T							E		D			
P1146	Alternator Load Low Input (same as P1245, added for Jag)										J						
P1147	Manifold Air Temperature / Intake Air Temperature Correlation																
P1148	Generator 2 Control Circuit									D	d	d					
P1149	Generator 2 Monitor Circuit High									D	d	d					
P1150	Lack Of HO2S21 Switches - Fuel Trim At Limit	G*								M		E*					HO2S21
P1151	Lack Of HO2S21 Switches - Sensor Indicates Lean (see P2197)	G*		g						M		E*	e				HO2S21
P1152	Lack Of HO2S21 Switches - Sensor Indicates Rich (see P2198)	G*		g						M		E*	e				HO2S21
P1153	Bank 2 Fuel Control Shifted Lean (FAOSC) (See P2098)	[G*]								M							
P1154	Bank 2 Fuel Control Shifted Rich (FAOSC) (See P2099)	[G*]								M							
P1155	Alternative Fuel Control Module Has Activated the MIL	G										E*					
P1156	Fuel Select Switch Circuit	G										E			U		
P1157	Lack Of HO2S22 Switches - Sensor Indicates Lean (see P2272)			g							J		e				HO2S22
P1158	Lack Of HO2S22 Switches - Sensor Indicates Rich (see P2273)			g							J		e				HO2S22
P1159	Fuel Stepper Motor														U		
P115A	Low Fuel Level - Forced Limited Power													D			
P115B	Low Fuel Level - Forced Engine Shutdown													D			
P115C	TCM Unable to Process Driver Input - Forced Engine Shutdown																
P115D																	
P115E																	
P115F																	
P1160																	
P1161																	
P1162																	
P1163																	
P1164																	
P1165																	
P1166																	
P1167	Invalid Test, Operator Did Not Actuate Throttle															U	
P1168	Fuel Rail Pressure Sensor In Range But Low	G															
P1169	Fuel Rail Pressure Sensor In Range But High	G															
P1169	Feedback A/F Mixture Control (HO2S12)									M							
P1170	Feedback A/F Mixture Control (HO2S11)									M							
P1170	Engine Shut Off Solenoid									D							
P1171	System Too Lean - Banks 1 and 2 (Lean Fuel Fault)										J						
P1171	Rotor Sensor									D							
P1172	System Too Rich - Banks 1 and 2 (Rich Fuel Fault)										J						
P1172	Rotor Control									D							
P1173	Feedback A/F Mixture Control (HO2S21)									M							

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* = MIL illuminates, ^ = O/D Cancel flashes, + = ETC light illuminates, [] = assigned but not used																
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P1173	Rotor Calibration					D										
P1174	System Too Lean - Banks 1 and 2 (Suspect HO2S)								J							
P1174	Cam Sensor					D										
P1175	System Too Rich - Banks 1 and 2 (Suspect HO2S)								J							
P1175	Cam Control					D										
P1176	Long Term Fuel Trim Too Lean - Banks 1 and 2 (FMFR)								J							
P1176	Cam Calibration					D										
P1177	Long Term Fuel Trim Too Rich - Banks 1 and 2 (FMFR)								J							
P1177	Synchronization					D										
P1178	Long Term Fuel Trim Too Lean - Banks 1 and 2 (AMFR)								J							
P1178	Boltup Limits					D										
P1179	Long Term Fuel Trim Too Rich - Banks 1 and 2 (AMFR)								J							
P1180	Fuel Delivery System - Low	G											D			
P1181	Fuel Delivery System - High	G											D			
P1182	Fuel Shut Off Solenoid Circuit							M						U		
P1183	Engine Oil Temperature Sensor Circuit	G*														EOT
P1184	Engine Oil Temperature Sensor Out Of Self Test Range		g	g			d									EOT
P1185	O2 Sensor Heater Circuit Open - Hardware Fault								J							
P1185	Fuel Pump Temperature Sensor High					D										
P1186	O2 Sensor Heater Circuit Shorted - Hardware Fault								J							
P1186	Fuel Pump Temperature Sensor Low					D										
P1187	O2 Sensor Heater Circuit Open - Inferred Fault								J							
P1187	Variant Selection					D							D			
P1188	O2 Sensor Heater Circuit Resistance								J							
P1188	Calibration Memory					D										
P1189	O2 Sensor Heater Circuit Low Resistance Fault 1								J							
P1189	Pump Speed Signal					D		M								
P1190	O2 Sensor Heater Circuit Low Resistance Fault 2								J							
P1190	Calibration Resistor Out Of Range					D		M								
P1191	O2 Sensor Heater Circuit Open - Hardware Fault								J							
P1191	Key Line Voltage					D										
P1191	TP (controlled) circuit							M								
P1192	O2 Sensor Heater Circuit Shorted								J							
P1192	V External					D										
P1193	O2 Sensor Heater Circuit Open - Inferred Fault								J							
P1193	EGR Driver Over Current					D										
P1194	O2 Sensor Heater Circuit Resistance Fault								J							
P1194	ECM/PCM A/D Converter					D		M								
P1195	O2 Sensor Heater Circuit Low Resistance Fault 1								J							
P1195	SCP HBCC Chip Failed to Initialize					D										
P1195	BARO Sensor Circuit							M								
P1196	O2 Sensor Heater Circuit Low Resistance Fault 2								J							
P1196	Key Off Voltage High					D										
P1196	Starter Switch Circuit							M*								
P1197	Mileage Switch Circuit							M								
P1197	Key Off Voltage Low					D										
P1198	Fuel Level Input Circuit High								J							
P1198	Pump Rotor Control Underfueling					D										
P1199	Fuel Level Input Circuit Low								J							
P1200	Injector Range/Performance												D*			
P1201	Cylinder #1 Injector Circuit Open/Shorted								J				D			INJ-1
P1202	Cylinder #2 Injector Circuit Open/Shorted								J				D			INJ-2
P1203	Cylinder #3 Injector Circuit Open/Shorted								J				D			INJ-3
P1204	Cylinder #4 Injector Circuit Open/Shorted								J				D			INJ-4
P1205	Cylinder #5 Injector Circuit Open/Shorted								J							INJ-5
P1206	Cylinder #6 Injector Circuit Open/Shorted								J							INJ-6
P1207	Cylinder #7 Injector Circuit Open/Shorted								J							INJ-7
P1208	Cylinder #8 Injector Circuit Open/Shorted								J							INJ-8
P1209	Injector Control Pressure Peak Delta Test Fault					D*							D*			

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* = MIL illuminates, ^ = O/D Cancel flashes, + = ETC light illuminates, [] = assigned but not used																
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P120A	Secondary Fuel Injector Insufficient Flow, Bank 1			g												
P120B	Secondary Fuel Injector Excessive Flow, Bank 1			g												
P120C	Secondary Fuel Injector Insufficient Flow, Bank 2			g												
P120D	Secondary Fuel Injector Excessive Flow, Bank 2			g												
P120E	Fuel Pressure Sensor Circuit A - Excessive Variation															
P120F	Fuel Pressure Regulator Excessive Variation															
P1210	Injector Control Pressure Higher Than Desired (engine off)							D*	d				D			
P1211	Injector Control Pressure Higher/Lower Than Desired (engine running)							D*	d	d			D*			
P1212	Injector Control Pressure Lower Than Desired (engine crank or run)							D	d				D			
P1213	Start Injector Circuit									M						
P1214	Pedal Position Sensor B Circuit Intermittent	G	g	g												PP-B
P1215	Pedal Position Sensor C Circuit Low Input	G	g	g												PP-C
P1216	Pedal Position Sensor C Circuit High Input	G	g	g												PP-C
P1217	Pedal Position Sensor C Circuit Intermittent	G	g	g												PP-C
P1218	CID High							D	d							
P1219	CID Low							D	d							
P1220	Series Throttle Control System	G	g	g												
P1221	Traction Control System	[G]	[g]	[g]						M						U
P1221	Pedal Demand Sensor B Circuit Range/Performance										J					
P1222	Traction Control Output Circuit	[G]								M						
P1222	Pedal Position Sensor B Circuit Low Input	G	g	g												PP-B
P1223	Pedal Position Sensor B Circuit High Input	G	g	g												PP-B
P1223	Redundant Emergency Stop										E					
P1224	Throttle Position Sensor B Out Of Self Test Range		g	g												TP-B
P1224	Electronic Throttle Control Position Error									J*						
P1225	Needle Lift Sensor										E					
P1226	Control Sleeve Sensor Circuit									M	E					
P1226	Mechanical Guard Circuit Range/Performance									J*						
P1227	Timing Governor										E					
P1227	Wastegate Failed Closed (Over pressure)	G*														TCWGS
P1227	Mechanical Guard Circuit Low Input									J*						
P1228	Wastegate Failed Open (Under pressure)	G*														TCWGS
P1228	Vehicle Speed Governor										E					
P1228	Mechanical Guard Circuit High Input									J*						
P1229	Charge Air Cooler Pump Driver	G	g	g												CAC
P1229	Pump Timing Actuator										E					
P1229	Electronic Throttle Control Circuit									J*						
P1230	Fuel Pump Low Speed Malfunction (VLCM)	G	g													FP-VLCM
P1230	Fuel Pump Relay									J*						
P1231	Fuel Pump Secondary Circuit Low, High Speed (VLCM)	G	g													FP-VLCM
P1232	Fuel Pump Speed Primary Circuit (Two speed fuel pump)	G	g													FP
P1233	Fuel Pump Driver Module Disabled or Off Line (Fuel Pump Driver Module)	G*	g	g						J						FP-FPDM
P1234	Fuel Pump Driver Module Disabled or Off Line (Fuel Pump Driver Module)	G*	g	g						J						FP-FPDM
P1235	Fuel Pump Control out Of Range (Fuel Pump Driver Module/VLCM)	G*	g	g						J						FP-FPDM/VLCM
P1235	VSV 1/2/3 Circuit Range/Performance									J						
P1236	Fuel Pump Control Out Of Range (Fuel Pump Driver Module)	G*	g							J						FP-FPDM/VLCM
P1236	VSV 1 Circuit									J						
P1237	Fuel Pump Secondary Circuit (Fuel Pump Driver Module)	G*	g	g												FP-FPDM
P1237	VSV 2 Circuit									J						
P1238	Fuel Pump Secondary Circuit (Fuel Pump Driver Module)	G*	g													FP-FPDM
P1238	VSV 3 Circuit									J						
P1239	Speed Fuel Pump Positive Feed	G														
P1240	Sensor Power Supply (see P0641)									J*			D			
P1241	Sensor Power Supply Low Input									J*						
P1242	Sensor Power Supply High Input									J*						
P1243	Second Fuel Pump Fault or Ground Fault	G*														
P1243	Analog Ground									J*						
P1244	Alternator Load High Input (see P0626)	G	g								E	e	D			
P1245	Alternator Load Low Input (see P0625)	G	g								E	e	D			

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* = MIL illuminates, ^ = O/D Cancel flashes, + = ETC light illuminates, [] = assigned but not used																	
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P1245	Crank Signal Low Input									J*							
P1246	Alternator Load Input (see P0622)	G		g							F		e	D			
P1246	Crank Signal High Input									J*							
P1247	Turbocharger Boost Pressure Low					D*	d										
P1248	Turbocharger Boost Pressure Not Detected					D*	d	M									
P1249	Wastegate Control Valve Performance					D*											
P1250	Fuel Pressure Regulator Control Solenoid							M									
P1250	Throttle Valve Spring									J*							
P1251	Air Mixture Solenoid Circuit							M									
P1251	Throttle Position									J*							
P1252	Pedal Correlation PDS1 and LPDS High					D											
P1252	Vacuum Solenoid Valve stuck on VA/VV									J							
P1253	Pedal Correlation PDS1 and LPDS Low					D											
P1253	Vacuum Solenoid Valve Stuck on VR									J							
P1254	Pedal Correlation PDS2 and LPDS High					D											
P1255	Pedal Correlation PDS2 and LPDS Low					D											
P1256	Pedal Correlation PDS1 and HPDS					D											
P1257	Pedal Correlation PDS2 and HPDS					D											
P1258	Pedal Correlation PDS1 and PDS2					D											
P1259	Immobilizer to PCM Signal Error										E		D	U			
P1260	Theft Detected, Vehicle Immobilized	G				D			J	E		D	U				
P1261	Cylinder #1 High To Low Side Short	G				D	d										
P1262	Cylinder #2 High To Low Side Short	G				D	d										
P1263	Cylinder #3 High To Low Side Short	G				D	d										
P1264	Cylinder #4 High To Low Side Short	G				D	d										
P1265	Cylinder #5 High To Low Side Short	G				D	d										
P1266	Cylinder #6 High To Low Side Short	G				D	d										
P1267	Cylinder #7 High To Low Side Short	G				D	d										
P1268	Cylinder #8 High To Low Side Short	G				D	d										
P1269	Immobilizer Code Not Programmed													U			
P1270	Engine RPM or Vehicle Speed Limiter Reached	G						M			E		D				
P1271	Cylinder #1 High To Low Side Open	G				D	d										
P1272	Cylinder #2 High To Low Side Open	G				D	d										
P1273	Cylinder #3 High To Low Side Open	G				D	d										
P1274	Cylinder #4 High To Low Side Open	G				D	d										
P1275	Cylinder #5 High To Low Side Open	G				D	d										
P1276	Cylinder #6 High To Low Side Open	G				D	d										
P1277	Cylinder #7 High To Low Side Open	G				D	d										
P1278	Cylinder #8 High To Low Side Open	G				D	d										
P1279	Control Sleeve Sensor Circuit Range/Performance							M									
P1280	Injector Control Pressure Sensor Circuit Low					D*	d	d								ICP	
P1281	Injector Control Pressure Sensor Circuit High					D*	d	d								ICP	
P1282	Injector Control Pressure Higher Than Desired (engine running)					D*	d									ICP	
P1283	Injector Pressure Regulator Control Circuit (see P2623)						d	d					D*			IPR	
P1284	Aborted KOER - Injector Control Pressure Failure							d									
P1285	Cylinder Head Overtemperature Condition	G	g	g							E	e	e			CHT	
P1286	Fuel Pulsewidth In Range But Lower Than Expected	G															
P1287	Fuel Pulsewidth In Range But Higher Than Expected	G															
P1288	Cylinder Head Temperature Sensor Out Of Self Test Range		g	g							e	e	D*			CHT	
P1289	Cylinder Head Temperature Sensor Circuit High Input	G*	g	g							E*	e	e			CHT	
P128A	Cylinder Head Temperature Sensor Circuit Intermittent/Erratic	G*															
P1290	Cylinder Head Temperature Sensor Circuit Low Input	G*	g	g							E*	e	e			CHT	
P1291	Injector High Side Short To GND Or VBATT - Bank 1					D	d										
P1292	Injector High Side Short To GND Or VBATT - Bank 2					D	d										
P1293	Injector High Side Open - Bank 1					D	d										
P1294	Injector High Side Open - Bank 2					D	d										
P1295	Injector Multiple Faults - Bank 1					D*	d						D				
P1296	Injector Multiple Faults - Bank 2					D*	d						D				
P1297	Injector High Side Switches Shorted Together					D	d										

OBD-II Diagnostic Trouble Code Definitions		North America						Europe			Australia			SAE J1930 Component/ System and I/O Type		
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* = MIL illuminates, ^ = O/D Cancel flashes, + = ETC light illuminates, [] = assigned but not used																
All DTCs preceded by P unless otherwise indicated. Capital and small letters are used for visual impact only! Mazda and Nissan DTCs are for reference. Ford P/T is not responsible for assigning these DTCs. Shading indicates change from previous version.		Continuous	KOEO	KOER	Continuous	KOEO	KOER	Continuous	KOEO	KOER	Continuous	KOEO	KOER	Continuous	KOEO	KOER
P1298	Injector Driver Module Failure						D	d		M						
P1299	Cylinder Head Overtemperature Protection Active	G*		g								E*		e		CHT
P1300	Boost Calibration Fault						D									
P1301	Boost Calibration High						D									
P1302	Boost Calibration Low						D									
P1303	Exhaust Gas Recirculation Calibration Fault						D									
P1304	Exhaust Gas Recirculation Calibration High						D									
P1305	Exhaust Gas Recirculation Calibration Low						D									
P1306	Kickdown Relay Pull-in Circuit						D									
P1307	Kickdown Relay Hold Circuit						D									
P1308	A/C Clutch Circuit															
P1309	Misfire Monitor Hardware - CMP Misaligned, CKP/CMP Noise, PCM AICE Chip	G*								M*						
P130A	Knock Sensor 3 Circuit	G*														
P130B	Knock Sensor 4 Circuit	G*														
P130C																
P130D																
P130E																
P130F																
P1310	Ionization Misfire Detection Module Fault	G*		g												
P1311	Ionization Misfire Detection Module Communication Fault	G*		g												
P1312	Injection Pump Timing Actuator Circuit									M						
P1313	Misfire Rate Catalyst Damage Fault - Bank 1									J*						
P1314	Misfire Rate Catalyst Damage Fault - Bank 2									J*						
P1315	Persistent Misfire									J						
P1316	Injector Driver Module Codes Detected						D*	d								
P1316	Misfire Rate Exceeds Emissions									J*						
P1317	Injector Circuit/Injector Driver Module Codes Not Retrieved						D									
P1318	Injection Timing Piston Position Sensor Circuit									M						
P1319	Injection Timing Piston Position Sensor Circuit Range/Performance									M				D*		
P1320	Distributor Signal Interrupt															
P1321	Cylinder #9 High To Low Side Short															
P1322	Cylinder #10 High To Low Side Short															
P1323	Cylinder #11 High To Low Side Short															
P1324	Cylinder #12 High To Low Side Short															
P1325	Cylinder #9 High To Low Side Open															
P1326	Cylinder #10 High To Low Side Open															
P1327	Cylinder #11 High To Low Side Open															
P1328	Cylinder #12 High To Low Side Open															
P1329	Injector Control Pressure Higher Than Desired (engine running)															
P132A	Turbocharger/Supercharger Boost Control A Electrical															
P132B	Turbocharger/Supercharger Boost Control A Performance															
P132C	Turbocharger/Supercharger Boost Control A Voltage															
P132D	Turbocharger/Supercharger Boost Control B Electrical															
P132E	Turbocharger/Supercharger Boost Control B Performance															
P132F	Turbocharger/Supercharger Boost Control B Voltage															
P1330	Injector Control Pressure Lower Than Desired (engine running)															
P1331	Turbocharger/Supercharger Boost High Side Control Circuit / Open						D									
P1332	Turbocharger/Supercharger Boost High Side Control Circuit Low															
P1333	Turbocharger/Supercharger Boost High Side Control Circuit High															
P1334	EGR Throttle Position Sensor Minimum/Maximum Stop Performance						D*	d								
P1335	EGR Position Sensor Minimum/Maximum Stop Performance						D*	d								
P1336	Crankshaft/Camshaft Sensor Range/Performance	G*								J*	N					
P1337	Throttle Position Output Circuit						D									
P1338	Fuel Pump Driver Module Communication Circuit (Fuel Pump Driver Module)									J						
P1339	Fuel Pump Driver Module Communication Circuit (Fuel Pump Driver Module)									J						
P1340	Camshaft Position Sensor B Circuit	G*								J*						CMP-B
P1341	Camshaft Position Sensor B Circuit Range/Performance									J*						CMP-B
P1342	Pedal Demand Sensor A Circuit Range/Performance (see P2121)													D*		
P1343	Pedal Demand Sensor B Circuit Range/Performance (see P2126)													D*		

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* = MIL illuminates, ^ = O/D Cancel flashes, + = ETC light illuminates, [] = assigned but not used		Continuous	KOEO	KOER	Continuous	KOEO	KOER	Continuous	KOEO	KOER	Continuous	KOEO	KOER	
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P1344	Pedal Demand Sensor C Circuit Range/Performance (see P2131)											D*		
P1345	Cylinder Discrimination Signal (from CMP sensor)						M							
P1346	Fuel Level Sensor B Circuit											U		
P1347	Fuel Level Sensor B Circuit Range/Performance											U		
P1348	Fuel Level Sensor B Circuit Low Input											U		
P1349	Fuel Level Sensor B Circuit High Input											U		
P1350	Fuel Level Sensor B Circuit Intermittent											U		
P1351	Ignition Diagnostic Monitor Input Circuit	G*							E*				IDM	
P1352	Ignition Coil A Primary Circuit	G*												
P1353	Ignition Coil B Primary Circuit	G*												
P1354	Ignition Coil C Primary Circuit	G*												
P1355	Ignition Coil D Primary Circuit	G*												
P1356	Ignition Diagnostic Monitor Indicates Engine Not Turning	G*											IDM	
P1357	Ignition Diagnostic Monitor Pulsewidth Not Defined	G*											IDM	
P1358	Ignition Diagnostic Monitor Signal Out Of Self Test Range (no CPU OK)		g							e		U	IDM	
P1359	Spark Output Circuit	G*							E*				SPOUT	
P1360	Ignition Coil A Secondary Circuit	[G]												
P1361	Ignition Coil B Secondary Circuit	[G]												
P1361	Ignition Coil, Cylinder #1, No Activation							J						
P1362	Ignition Coil C Secondary Circuit	[G]												
P1362	Ignition Coil, Cylinder #2, No Activation							J						
P1363	Ignition Coil D Secondary Circuit	[G]												
P1363	Ignition Coil, Cylinder #3, No Activation							J						
P1364	Ignition Coil Primary Circuit	G*					M							
P1364	Ignition Coil, Cylinder #4, No Activation							J						
P1365	Ignition Coil Secondary Circuit	[G]												
P1365	Ignition Coil, Cylinder #5, No Activation							J						
P1366	Ignition Spare	[G]												
P1366	Ignition Coil, Cylinder #6, No Activation							J						
P1367	Ignition Spare	[G]												
P1367	Ignition System Failure Group 1							J*						
P1368	Ignition Spare	[G]												
P1368	Ignition System Failure Group 2							J*						
P1369	Engine Temperature Light Circuit	G							E					
P1370	Insufficient RPM Increase During Spark Test							J				U		
P1371	Cylinder 1 Ignition Coil - Early Activation Fault							J						
P1372	Cylinder 2 Ignition Coil - Early Activation Fault							J						
P1373	Cylinder 3 Ignition Coil - Early Activation Fault							J						
P1374	Cylinder 4 Ignition Coil - Early Activation Fault							J						
P1375	Cylinder 5 Ignition Coil - Early Activation Fault							J						
P1376	Cylinder 6 Ignition Coil - Early Activation Fault							J						
P1377	Injector Overvoltage Shut-down													
P1378	Fuel Injector Control Module System Voltage Low				D	d	d							
P1379	Fuel Injector Control Module System Voltage High				D	d	d							
P1380	Camshaft Position Actuator Circuit (Bank 1) (see P0010)	G*	g	g					E			U	CPC-1	
P1381	Camshaft Position Timing Over Advanced (Bank 1) (see P0011)	G*		g					E	e			CPC-1	
P1382	Camshaft Position Timing Solenoid #1 Circuit						M							
P1383	Camshaft Position Timing Over Retarded (Bank 1) (see P0012)	G*		g					E	e			CPC-1	
P1384	Variable Valve Timing Solenoid A Circuit						M	J*						
P1385	Camshaft Position Actuator Circuit (Bank 2) (see P0020)	G*	g	g									CPC-2	
P1386	Camshaft Position Timing Over Advanced (Bank 2) (see P0021)	G*		g									CPC-2	
P1387	Camshaft Position Timing Solenoid #2 Circuit						M							
P1388	Camshaft Position Timing Over Retarded (Bank 2) (see P0022)	G*		g									CPC-2	
P1389	Glow Plug Circuit High Side, Low Input													
P138A	Glow Plug Control Module Control Circuit Range/Performance											D		
P138B	Glow Plug Control Module System Voltage											D		
P138C	Charge Air Cooler Bypass Position Sensor Minimum/Maximum Stop Performance													
P138D														
P138E														

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* = MIL illuminates, ^ = O/D Cancel flashes, + = ETC light illuminates, [] = assigned but not used																	
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P138F																	
P1390	Octane Adjust Service Pin In Use/Circuit Open		g										e				OCTADJ
P1391	Glow Plug Circuit Low Input (Bank 1)						D*	d						D			
P1392	Glow Plug Circuit High Input (Bank 1)						D	d						D			
P1392	Variable Valve Timing Solenoid A Circuit Low Input									J*							
P1393	Glow Plug Circuit Low Input (Bank 2)						D*	d									
P1393	Variable Valve Timing Solenoid A Circuit High Input									J*							
P1394	Glow Plug Circuit High Input (Bank 2)						D	d									
P1395	Glow Plug Monitor Fault (Bank 1)						D*	d						D			
P1396	Glow Plug Monitor Fault (Bank 2)						D*	d									
P1396	Variable Valve Timing Solenoid B Circuit									J*							
P1397	System Voltage Out Of Self Test Range		g	g				d									
P1397	Variable Valve Timing Solenoid B Circuit Low Input									J*							
P1398	Variable Valve Timing Solenoid B Circuit High Input									J*							
P1399	Glow Plug Circuit High Side, High Input						D*										
P1400	Differential Pressure Feedback EGR Circuit Low Input (see P0405)	G*	g	g							N	E*	e	e			DPFE
P1400	Exhaust Gas Recirculation Valve Position Control									J							
P1401	Differential Pressure Feedback EGR Circuit High Input (see P0406)	G*	g	g								E*	e	e			DPFE
P1401	Exhaust Gas Recirculation Valve Position Circuit									J							
P1401	Exhaust Gas Recirculation Temperature Sensor										N						
P1402	Exhaust Gas Recirculation Valve Position Sensor Circuit								M								
P1402	Exhaust Gas Recirculation Metering Orifice Restricted	[G*]										E*		D			
P1403	Differential Pressure Feedback Sensor Hoses Reversed	G*															
P1404	EGR Temperature Sensor Circuit	G*															EGRT
P1405	Differential Pressure Feedback Sensor Upstream Hose Off Or Plugged	G*										E*					DPFE
P1406	Differential Pressure Feedback Sensor Downstream Hose Off Or Plugged	G*										E*					DPFE
P1407	Exhaust Gas Recirculation No Flow Detected	[G*]							M								
P1408	Exhaust Gas Recirculation Flow Out Of Self Test Range			g										e			
P1408	Exhaust Gas Recirculation Thermister									J							
P1409	EGR Vacuum Regulator Solenoid Circuit (se P0403)	G*	g	g					M			E*	e	e			EVR
P1409	Exhaust Gas Recirculation Valve Circuit								M	J							
P140A	Exhaust Gas Recirculation Sensor C Circuit Low																
P140B	Exhaust Gas Recirculation Sensor C Circuit High																
P140C	Exhaust Gas Recirculation Control Circuit B																
P140D	Exhaust Gas Recirculation Control Circuit B Range/Performance																
P140E	EGR Position Sensor C Minimum/Maximum Stop Performance																
P140F	EGR Throttle Stuck																D
P1410	Air Cleaner Inlet Control Circuit	G	g	g					M	J							
P1411	Secondary Air Injection Incorrect Downstream Flow Detected	G*		g													
P1412	Exhaust Gas Recirculation Valve Frozen						D*		M								D
P1413	Secondary Air Injection Monitor Circuit Low Input (See P2257)	G*	g	g								E*	e	e			
P1414	Secondary Air Injection Monitor Circuit High Input (See P2258)	G*	g	g								E*	e	e			
P1415	Air Pump Circuit								M								
P1416	Port Air Circuit								M								
P1417	Port Air Relief Circuit								M								
P1418	Split Air #1 Circuit								M								
P1419	Split Air #2 Circuit								M								
P141A	Exhaust Gas Recirculation Sensor A Circuit Intermittent/Erratic																
P141B	Exhaust Gas Recirculation Sensor B Circuit Intermittent/Erratic																
P141C	Exhaust Gas Recirculation Sensor C Circuit Intermittent/Erratic																
P141D	EGR Position Sensor B Minimum/Maximum Stop Performance																
P141E	Catalyst Temperature Sensor 1/2 Correlation, Bank 1																
P141F	Catalyst Temperature Sensor 1/2 Correlation, Bank 2																
P1420	Catalyst Temperature Sensor (see P0425)											E		D*			
P1421	Catalyst Damage											E					
P1422	Exhaust Gas Ignition Temperature Sensor											E*					
P1423	Exhaust Gas Ignition Functional Test											E*					
P1424	Exhaust Gas Ignition Plug Primary											E*					
P1425	Exhaust Gas Ignition Plug Secondary											E*					

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P1426	Exhaust Gas Ignition mini-MAF Sensor Out of Range											E					
P1427	Exhaust Gas Ignition mini-MAF Sensor Circuit Shorted											E					
P1428	Exhaust Gas Ignition mini-MAF Sensor Circuit Open											E					
P1429	Electric Air Pump Primary (see P0418)											E*		D			
P1430	Electric Air Pump Secondary											E*					
P1431	Misfire Monitor Disabled, unable to learn wheel profile (to be deleted, see P0315)	G*															
P1432	Thermostat Heater Control Circuit (see P0597)	G*	g	g								E*	e	e			
P1433	A/C Refrigerant Temperature Circuit Low																U
P1434	A/C Refrigerant Temperature Circuit High																U
P1435	A/C Refrigerant Temperature Circuit Range/Performance																U
P1436	A/C Evaporator Air Temperature Circuit Low (see P0537)	G	g	g													U
P1437	A/C Evaporator Air Temperature Circuit High (see P0538)	G	g	g													U
P1438	A/C Evaporator Air Temperature Circuit Range/Performance																U
P1439	Floor Temp Switch Circuit								M								
P1440	Purge Valve Stuck Open									J							
P1441	ELC System 1									J							
P1442	Evaporative Emission System Control Leak Detected	G															
P1443	Evaporative Emission System Control Valve (low/no flow)	G*															
P1444	Evaporative Emission System Purge Flow Sensor Circuit Low Input	G*															PFSNS
P1445	Evaporative Emission System Purge Flow Sensor Circuit High Input	G*															PFSNS
P1446	Evaporative Vacuum Solenoid Circuit								M								
P1447	ELC System Closure Valve Flow									J							
P1448	ELC System 2									J							
P1449	Evaporative Check Solenoid Circuit								M								
P1450	Unable to Bleed Up Fuel Tank Vacuum	G*							M								
P1451	Evaporative Emission System Vent Control Circuit	G*	g	g					M								CANVNT
P1452	Unable to Bleed Up Fuel Tank Vacuum	G															
P1453	Fuel Tank Pressure Relief Valve Malfunction									J							
P1454	Evaporative Emission System Vacuum Test									J							
P1455	Evaporative Emission System Control Leak Detected (gross leak/no flow)	G															
P1455	Fuel Tank Level Sensor Circuit								M								
P1456	Fuel Tank Temperature Sensor Circuit								M								FTT
P1457	Purge Solenoid Control System								M								
P1457	Unable To Pull Fuel Tank Vacuum	G															
P1458	Ignition Timing Control Solenoid								M								
P1459	A/C Recirculation Switch Out of Self Test Range		g	g													
P145A	A/C Pressure Insufficient - A/C Clutch Disabled																u
P145B	A/C Demand Not Activated During Self Test																u
P145C	Fan System Component Error A											e	e				
P145D	Fan System Component Error B											e	e				
P145E																	
P145F																	
P1460	Wide Open Throttle A/C Cutout Circuit (see P0645)	G	g	g					M			E	e	e			ACRR/WAC
P1461	A/C Pressure Sensor Circuit High Input (see P0533)	G	g	g													ACPS
P1462	A/C Pressure Sensor Circuit Low Input (see P0532)	G	g	g													ACPS
P1463	A/C Pressure Sensor Insufficient Pressure Change	G															U
P1464	A/C Demand Out Of Self Test Range		g	g			d	d	M			e	e		U		ACD
P1465	A/C Relay Circuit	G							M			E			U		
P1466	A/C Refrigerant Temperature Sensor Circuit	G															
P1467	A/C Compressor Temperature Sensor											E					
P1468	SSPOD Open Circuit or Closed Circuit											E*					
P1469	Rapid A/C Cycling (see P0534)	G															
P1470	A/C Cycling Period Too Short											E*					
P1471	Electrodrive Fan 1 Operational Failure (Driver side)																U
P1472	Electrodrive Fan 2 Operational Failure (Passenger side)																U
P1473	Fan Circuit Open (VLCM)		g						M								
P1474	Fan Control Primary Circuit (see P0480)	G	g	g					M			E	e	e	D		FC
P1475	Fan Relay (Low) Circuit								M	J							
P1476	Fan Relay (High) Circuit								M	J							

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* = MIL illuminates, ^ = O/D Cancel flashes, + = ETC light illuminates, [] = assigned but not used																		
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P1477	Additional Fan Relay Circuit (see P0482)	G	g	g														
P1478	Cooling Fan Driver																	
P1479	High Fan Control Primary Circuit (see P0481)	G	g	g														HFC
P1480	Fan Secondary Low With Low Fan On	[G]	[g]															
P1481	Fan Secondary Low With High Fan On		[g]	[g]														
P1482	SCP	[G]																
P1483	Fan Circuit Shorted To Ground (VLCM)	G	g	g														
P1484	Fan Driver Circuit Open To Power Ground (VLCM)	G	g	g														
P1485	EGRV Circuit																	
P1486	EGRA Circuit																	
P1487	Exhaust Gas Recirculation Check Solenoid Circuit																	
P1488	Exhaust (muffler) Bypass Control Circuit	G	g	g														
P1489	PCV Heater Control Circuit	G	g	g														
P1490	Secondary Air Relief Solenoid Circuit																	
P1491	Secondary Switch Solenoid Circuit																	
P1492	APLSOL Solenoid Circuit																	
P1493	RCNT Solenoid Circuit																	
P1494	SPCUT Solenoid Circuit																	
P1495	TCSPL Solenoid Circuit																	
P1496	EGR Stepper Motor 1 Control Circuit Low/High																	
P1497	EGR Stepper Motor 2 Control Circuit Low/High																	
P1498	EGR Stepper Motor 3 Control Circuit Low/High																	
P1499	EGR Stepper Motor 4 Control Circuit Low/High																	
P1500	Vehicle Speed Sensor	G																VSS
P1501	Vehicle Speed Sensor Out Of Self Test Range		g	g			d	d	M									VSS
P1502	Vehicle Speed Sensor Intermittent	G^					D^	d	M									VSS
P1502	Invalid Test - Auxiliary Power Control Module Functioning						d	d										
P1503	Auxiliary Speed Sensor																	
P1504	Idle Air Control Circuit (see P0511)	G*	g	g					M									IAC
P1505	Idle Air Control System At Adaptive Clip	G*							M									IAC
P1506	Idle Air Control Overspeed Error (see P0507)	G*							M									IAC
P1507	Idle Air Control Underspeed Error (see P0506)	G*							M									IAC
P1508	Idle Air Control Circuit Open									J								
P1508	Idle Up Solenoid 1 Circuit								M									
P1509	Idle Air Control Circuit Shorted									J								
P1509	Idle Up Solenoid 2 Circuit								M									
P150A	Cylinder 1 Injector Circuit Range/Performance																	
P150B	Cylinder 2 Injector Circuit Range/Performance																	
P150C	Cylinder 3 Injector Circuit Range/Performance																	
P150D	Cylinder 4 Injector Circuit Range/Performance																	
P150E																		
P150F																		
P1510	Idle Signal Circuit																	
P1511	Idle Switch (Electric Control Throttle) Circuit																	
P1512	Intake Manifold Runner Control Stuck Closed (Bank 1) (see P2006)	G							M									IMRC
P1513	Intake Manifold Runner Control Stuck Closed (Bank 2) (see P2007)	G																IMRC
P1514	High Load Neutral/Drive Fault																	
P1515	Electric Current Circuit																	
P1516	Intake Manifold Runner Control Input Error (Bank 1) (see P2014)	G*	g	g														IMRC
P1516	Gear Change Neutral/Drive Fault																	
P1517	Intake Manifold Runner Control Input Error (Bank 2) (see P2019)	G*	g	g														IMRC
P1517	Cranking Neutral/Drive Fault																	
P1518	Intake Manifold Runner Control Stuck Open (Bank 1) (see P2004)	G*	g	g														IMRC
P1519	Intake Manifold Runner Control Stuck Closed (Bank 1) (see P2006)	G	g	g														IMRC
P151A	Intake Manifold Runner Controller Performance	G*	g	g														
P151B	Idle Speed Control - RPM Lower Than Expected																	
P151C	Idle Speed Control - RPM Higher Than Expected																	
P151D																		
P151E																		

OBD-II Diagnostic Trouble Code Definitions		North America							Europe			Australia			SAE J1930 Component/System and I/O Type		
Chart indicates design-responsible software activity which implemented DTC. G=North American spark ignition PCM, T = North American standalone TCM, D=North American diesel PCM, E= Europe, N=Nissan, J=Jaguar, U=Australian. Spark Ignition PCM includes: Gasoline, FFV, NGV, LPG and bi-fuel conversions.		Spark Ignition PCM			Standalone TCM		Diesel PCM		Mazda	Jaguar	Nissan	Spark Ignition		Diesel		Spark Ignition	
* = MIL illuminates, ^ = O/D Cancel flashes, + = ETC light illuminates, [] = assigned but not used																	
All DTCs preceded by P unless otherwise indicated. Capital and small letters are used for visual impact only! Mazda and Nissan DTCs are for reference. Ford P/T is not responsible for assigning these DTCs. Shading indicates change from previous version.		Continuous	KOEO	KOER	Continuous	KOEO	KOER	Continuous	KOEO	KOER	Continuous	KOEO	KOER	Continuous	KOEO	KOER	
P151F																	
P1520	Intake Manifold Runner Control Circuit (see P2008)	G*	g	g										D	U		IMRC
P1521	Variable Resonance Induction System Solenoid #1 Circuit								M								
P1522	Variable Resonance Induction System Solenoid #2 Circuit								M								
P1523	IVC Solenoid Circuit								M								
P1524	Variable Intake Solenoid Circuit								M								
P1525	Air Bypass Valve								M								
P1526	Air Bypass System								M								
P1527	Bypass Air Solenoid (Accelerate Warm-up) Circuit								M								
P1528	Subsidiary Throttle Valve Solenoid Circuit								M								
P1529	SCAIR Solenoid Circuit								M								
P1530	A/C Clutch Circuit Open (VLCM)	G	g	g													
P1531	Invalid Test - Accelerator Pedal Movement							d									
P1532	Intake Manifold Communication Control Circuit (Bank 2) (see P0663)	G	g														IMCC
P1533	Air Assisted Injector Circuit	G*															
P1534	Restraint Deployment Indicator Circuit	G	g	g					J								
P1535	Blower Fan Speed Circuit Range/Performance													U			
P1536	Parking Brake Switch Circuit							d									
P1537	Intake Manifold Runner Control Stuck Open (Bank 1) (see P2004)	G*	g	g													IMRC
P1538	Intake Manifold Runner Control Stuck Open (Bank 2) (see P2005)	G*	g	g													IMRC
P1539	A/C Clutch Circuit Overcurrent/Short (VLCM)	G	g														
P1540	Air Bypass Valve Circuit								M								
P1541	Intake Manifold Runner Control Circuit Range/Performance (see P2015)													D*			
P1542	Primary PCM ID Circuit (dual PCM application)	G*	g	g										D			
P1543	Engine Coolant Heater A Control Circuit													D			
P1544	Engine Coolant Heater B Control Circuit													D			
P1545	Exhaust Gas Recirculation High Side Control Circuit / Open																
P1546	Exhaust Gas Recirculation High Side Control Circuit Low																
P1547	Exhaust Gas Recirculation High Side Control Circuit High																
P1548																	
P1549	Intake Manifold Communication Control Circuit (Bank 1) (see P0660)	G	g														IMCC
P1550	Power Steering Pressure Sensor Out Of Self Test Range	G	g														PSP [AI]
P1551	Cylinder 1 Injector Circuit Range/Performance													D			
P1552	Cylinder 2 Injector Circuit Range/Performance													D			
P1553	Cylinder 3 Injector Circuit Range/Performance													D			
P1554	Cylinder 4 Injector Circuit Range/Performance													D			
P1555	Cylinder 5 Injector Circuit Range/Performance																
P1556	Cylinder 6 Injector Circuit Range/Performance																
P1557	Cylinder 7 Injector Circuit Range/Performance																
P1558	Cylinder 8 Injector Circuit Range/Performance																
P1559																	
P1560																	
P1561																	
P1562	PCM B+ Voltage Low (KAM power)								M*								
P1563	Injection Pump Control Module Requesting Engine Stop													D*			
P1564	Injection Pump Control Module Requesting Reduced Fueling													D*			
P1565	Speed Control Command Switch Out Of Range High	G	g	g					J								
P1566	Speed Control Command Switch Out Of Range Low	G	g						J								
P1566	TCM B+ Voltage Low								M*								
P1567	Speed Control Output Circuit	G							J								
P1568	Speed Control Unable to Hold Speed		g						J								
P1569	Intake Manifold Runner Control Circuit Low (see P0661)								M								
P1570	Intake Manifold Runner Control Circuit High (see P0662)								M								
P1571	Brake Switch								J								
P1572	Brake Pedal Switch Circuit	G															
P1573	Throttle Position Not Available	G*	g	g	T				J*								
P1574	Throttle Position Sensor Outputs Disagree	G	g	g													
P1575	Pedal Position Out Of Self Test Range		g	g													
P1576	Pedal Position Not Available	G*	g	g										D*			

OBD-II Diagnostic Trouble Code Definitions		North America							Europe			Australia			SAE J1930 Component/ System and I/O Type	
Chart indicates design-responsible software activity which implemented DTC. G=North American spark ignition PCM, T = North American standalone TCM, D=North American diesel PCM, E= Europe, N=Nissan, J=Jaguar, U=Australian. Spark Ignition PCM includes: Gasoline, FFV, NGV, LPG and bi-fuel conversions.		Spark Ignition PCM														
* = MIL illuminates, ^ = O/D Cancel flashes, + = ETC light illuminates, [] = assigned but not used																
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P1577	Pedal Position Sensor Outputs Disagree	G	g	g												
P1578	ETC Power Less Than Demand	[G*]														
P1579	ETC In Power Limiting Mode	[G*]														
P1580	Electronic Throttle Monitor PCM Override	G*	g	g												ETM
P1581	Electronic Throttle Monitor Malfunction	G	g	g												ETM
P1582	Electronic Throttle Monitor Data Available	G	g	g					J							ETM
P1583	Electronic Throttle Monitor Cruise Disablement	G	g	g												ETM
P1584	Throttle Control Detected ETB Malfunction	G	g	g												TCU
P1585	Throttle Control Malfunction	G*	g	g												TCU
P1586	Electronic Throttle to PCM Communication Error	G*	g	g												
P1587	Throttle Control Modulated Command Malfunction	G*	g	g												TCU
P1588	Throttle Control Detected Loss Of Return Spring	G	g	g												TCU
P1589	Throttle Control Unable To Control To Desired Throttle Angle	G*	g	g												TCU
P1590	Cruise Control INCREASE DISTANCE Signal															
P1591	Cruise Control DECREASE DISTANCE Signal															
P1592	Vehicle Data Recorder Data Available								J							
P1593																
P1594																
P1595																
P1596																
P1597																
P1598																
P1599																
P1600	Loss Of KAM Power, Circuit Open						D*		M	J*		E				
P1601	ECM/TCM Serial Communication Error								M*	J*						
P1602	Immobilizer/ECM Communication Error								M							D
P1603	ID Number Unregistered								M							
P1603	EEPROM Malfunction	G								J*						D
P1604	Code Word Unregistered								M							
P1605	Keep Alive Memory Test Failure	[G]								J						
P1605	A/T Diagnostics Communication Line										N					
P1606	ECM Control Relay Output Circuit									J*						
P1607	MIL Output Circuit									J						
P1608	PCM Internal Circuit								M							D
P1608	Watchdog Malfunction									J*						D*
P1609	Diagnostic Lamp Driver										E					D
P1609	Internal Control Module CPU to CPU Communication Failure									J*						
P1609	PCM Internal Circuit								M							D
P1610	Interactive Reprogramming Code - replace module (used with P1615/17/19/20)	[G]					D									
P1611	Interactive Reprogramming Code - diagnose further (used with P1616/18)	[G]					D									
P1611	Throttle Target Malfunction 1									J*						
P1612	Interactive Reprogramming Code - repeat test - engine is cranking	[G]														
P1612	Throttle Offset Malfunction									J*						
P1613	Interactive Reprogramming Code - TBD	[G]														
P1614	Interactive Reprogramming Code - TBD	[G]														
P1615	Interactive Reprogramming Code - erase error	[G]					D									
P1616	Interactive Reprogramming Code - erase error, low voltage	[G]					D									
P1617	Interactive Reprogramming Code - block program error	[G]					D									
P1618	Interactive Reprogramming Code - block program error, low voltage	[G]					D									
P1619	Interactive Reprogramming Code - total checksum error	[G]														
P1620	Interactive Reprogramming Code - overlay checksum error	[G]														
P1621	Immobilizer Code Words Do Not Match									M						
P1622	Immobilizer ID Does Not Match									M						
P1623	Immobilizer Code Word/ID Number Write Failure									M						
P1624	Anti-theft System									M						
P1625	Fan Driver Circuit Open to Power B+ (VLCM)	G	g													
P1626	A/C Circuit Open to Power B+ (VLCM)	G	g													
P1627	Module Supply Voltage Out Of Range										E					
P1628	Module Ignition Supply Input										E					D

OBD-II Diagnostic Trouble Code Definitions		North America							Europe			Australia			SAE J1930 Component/System and I/O Type		
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All DTCs preceded by P unless otherwise indicated. Capital and small letters are used for visual impact only! Mazda and Nissan DTCs are for reference. Ford P/T is not responsible for assigning these DTCs. Shading indicates change from previous version.		Continuous	KOEO	KOER	Continuous	KOEO	KOER	Continuous	KOEO	KOER		Continuous	KOEO	KOER	Continuous	KOEO	KOER
P1629	Internal Voltage Regulator											E					
P162A	Sensor Reference Voltage D Circuit/Open																
P162B	Sensor Reference Voltage D Circuit Low																
P162C	Sensor Reference Voltage D Circuit High																
P162D																	
P162E																	
P162F																	
P1630	Alternator Regulator #1 Control Circuit								M								
P1630	Internal Vref											E		D*			
P1631	Alternator Regulator #2 Control Circuit								M								
P1631	DC Motor Relay Driver Off									J							
P1631	Main Relay (power hold) (see P0685)											E		D			
P1632	Smart Alternator Faults Sensor / Circuit											E		D			
P1633	Keep Alive Power Voltage Too Low	G*	g	g								E*					
P1633	Generator Control System - over charge								M								
P1633	Main CPU Malfunction									J							
P1634	Data Output Link Circuit					D*									D		
P1634	Generator Control System - no charge								M								
P1635	Tire/Axle Out of Acceptable Range	G*			T									D			
P1636	Inductive Signature Chip Communication Error	G*				D*											
P1637	CAN Link ECM/ABS Control Module Circuit/Network									J*							
P1638	CAN Link ECM/INSTM Circuit/Network									J*							
P1639	Vehicle ID Block Corrupted, Not Programmed	G*				D*	d	d						D			
P1640	Powertrain DTCs Available In Another Control Module (Ref. PID 0946)	G*										E					
P1641	Fuel Pump Primary Circuit	[G]	[g]	[g]						J		E					
P1642	CAN Link Circuit	G*	g	g						J*							
P1643	CAN Link Engine Control Module/Transmission Control Module Circuit/Network	G*	g	g						J*		E		D			
P1644	Fuel Pump Speed Control Circuit	[G]															
P1645	Fuel Pump Resistor Switch Circuit								M								
P1646	Linear O2 Sensor Control Chip (Bank 1)									J*							
P1647	Linear O2 Sensor Control Chip (Bank 2)									J*							
P1648	Knock Sensor Input Chip									J*							
P1649	Fuel Injection Pump Module								M								
P1650	Power Steering Pressure Switch Out Of Self Test Range		g	g					M			e	e	U			PSP [DI]
P1651	Power Steering Pressure Switch Input	G							M			E		U			PSP [DI]
P1652	Idle Air Control Monitor Disabled By PSPS Failed On								M								
P1653	Power Steering Output Circuit													U			[DO]
P1654	Recirculation Override Circuit													U			
P1655	Starter Disable Circuit													U			[DO]
P1656	CAN Link PCM/PCM Circuit/Network	G*	g	g													
P1657	CAN Link Chip Malfunction	G*	g	g	T												
P1658	Injection Pump Control Module System Voltage													D			
P1659	Injection Pump Control Module Power Circuit													D			
P1660	Output Circuit Check Circuit High Input							d									
P1661	Output Circuit Check Circuit Low Input							d									
P1662	EDU_EN Output Circuit							d									
P1663	Fuel Demand Command Signal Output Circuit							d									
P1664	Injection Pump Control Module Malfunction													D			
P1665	Injection Pump Control Module Communications													D			
P1666	Injection Pump Control Module/ECM Crank Reference Synchronization													D			
P1667	Cylinder ID Circuit							d									
P1668	PCM/IDM Communications Error							d									
P1669	Injection Pump Control Module Monitoring ECM Fault													D			
P1670	Electronic Feedback Signal Not Detected					D*											
P1671	Secondary Fuel Pump Relay									J							
P1672	CAN Link ECM / Suspension Control Module Circuit/Network									J							
P1673	ABS Lamp Control Circuit																
P1674	Control Module Software Corrupted	G															
P1675	Injector Data Not Programmed													D			

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P1676	Injector Data Incompatible														D
P1677	Alternative Fuel Control Module Communication Circuit									F					
P1678	Low Oil Pressure Lamp Control Circuit														
P1679	Engine Oil Pressure Output Circuit														
P167A	Alternative Fuel Control Module Communication Circuit Low									F					
P167B															
P167C															
P167D															
P167E															
P167F	Non-OEM Calibration Detected														D
P1680	Metering Oil Pump Failure														M
P1681	Metering Oil Pump Failure														M
P1682	Metering Oil Pump Failure														M
P1683	Metering Oil Pump Temperature Sensor Circuit														M
P1684	Metering Oil Pump Position Sensor Circuit														M
P1685	Metering Oil Pump Stepping Motor Cont. Circuit														M
P1686	Metering Oil Pump Stepping Motor Cont. Circuit														M
P1687	Metering Oil Pump Stepping Motor Cont. Circuit														M
P1688	Metering Oil Pump Stepping Motor Cont. Circuit														M
P1689	Oil Pressure Control Solenoid Circuit														M
P1690	Wastegate Solenoid Circuit						D*	d							M
P1691	Turbocharger Pressure Control Solenoid Circuit														M
P1692	Turbocharger Control Solenoid Circuit														M
P1693	Turbocharger Charge Control Circuit														M
P1694	Turbocharger Charge Relief Circuit														M
P1695	CAN Link Injection Pump Control Module/Engine Control Module														D
P1696	CAN Link Engine Control Module/Cruise Control Module Circuit/Network														J
P1697	Cruise Control Distance-Control Input Circuit														J
P1698	Cold Start Fuel Pump Primary Circuit (Brazil ethanol vehicles only)	G	g	g											J
P1699	CAN Link ECM / Climate Control Module														J
P1700	Transmission Indeterminate Failure (Failed to Neutral)	G^A			T		D^A			J*					D
P1701	Reverse Engagement Error	G			T		D								
P1701	Fuel Trim									N					
P1702	Transmission Range Sensor Circuit Intermittent	G^A	g				D^A	d							
P1703	Brake Switch Out Of Self Test Range		g	g					M			e	e		
P1704	Transmission Range Circuit Not Indicating Park/Neutral During Self Test		g					d							
P1705	Transmission Range Circuit Not Indicating Park/Neutral During Self Test		g	g				d	d	M		e		U	
P1705	Throttle Position Sensor (A/T)									N					
P1706	High Vehicle Speed Observed in Park						D^A		M						
P1707	Transfer Case Neutral or Park/Neutral Indication Circuit	G	g	g	T		[D]								
P1708	Clutch Switch Circuit								M						
P1709	Park Neutral Position Switch Out Of Self Test Range		g					d	M			e			
P1710	Transmission Control Module Solenoid/Internal Ground Circuit	G	g	g	T*				M	J					
P1711	Transmission Fluid Temperature Sensor Out Of Self Test Range		g	g				d	d						
P1712	Transmission Torque Reduction Request Signal	G								E					U
P1713	Transmission Fluid Temperature Sensor In Range Failure (< 50 deg F)	G^A					D^A		M						
P1714	Shift Solenoid A Inductive Signature	G*					D*								
P1715	Shift Solenoid B Inductive Signature	G*					D*								
P1716	Shift Solenoid C Inductive Signature	G*					D*								
P1717	Shift Solenoid D Inductive Signature	G*													
P1718	Transmission Fluid Temperature Sensor In Range Failure (> 250 deg F)	G^A					D^A								
P1719	Engine Torque Signal				T				M						D
P1720	Vehicle Speed (Meter) Circuit								M	J*					
P1721	Gear 1 Incorrect Ratio								M						
P1722	Gear 2 Incorrect Ratio								M						
P1722	Stall Speed									J*					
P1723	Gear 3 Incorrect Ratio								M						
P1724	Gear 4 Incorrect Ratio								M						
P1725	Insufficient Engine Speed Increase During Self Test						D								

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P1726	Insufficient Engine Speed Decrease During Self Test					D										
P1726	Engine Overspeed								J*							
P1727	Coast Clutch Solenoid Inductive Signature	G^				D										
P1728	Transmission Slip	G^				D										
P1729	4x4L Switch	G^				D^										
P1730	Gear Control Malfunction 2,3,5								J*							
P1731	1-2 Shift Malfunction	G				D										
P1731	Inconsistent Gear Ratio								J							
P1732	2-3 Shift Malfunction	G				D										
P1733	3-4 Shift Malfunction	G				D										
P1734	4-5 Shift Malfunction															
P1734	Gear Control Malfunction								J*							
P1735	First Gear Switch Circuit Failure								M							
P1736	Second Gear Switch Circuit Failure								M							
P1737	Lockup Solenoid								M							
P1738	Shift Time Error								M							
P1739	Slip Solenoid								M							
P173A	Clutch Actuator Position Sensor Circuit Range/Performance															
P173B	Clutch Actuator Position Sensor Circuit Low															
P173C	Clutch Actuator Position Sensor Circuit High															
P173D	Ignition Key Lock Solenoid Circuit / Open															
P173E	Ignition Key Lock Solenoid Circuit Low															
P173F	Ignition Key Lock Solenoid Circuit High															
P1740	Torque Converter Clutch Solenoid Inductive Signature	G*				D*										
P1741	Torque Converter Clutch Solenoid Control Error	G				D		M								
P1741	Torque Converter Solenoid Circuit Open							M								
P1742	Torque Converter Clutch Solenoid Circuit Failed On	G*				D										
P1742	Torque Converter Solenoid Circuit Short							M								
P1743	Torque Converter Clutch Solenoid Circuit							M								
P1743	Torque Converter Clutch Solenoid Circuit Failed On	G^														
P1744	Torque Converter Clutch Solenoid Circuit							M								
P1744	Torque Converter Clutch Solenoid Circuit Performance	G^A				D^										
P1745	Line Pressure Solenoid							M								
P1745	Pressure Regulator 1								J*							
P1746	Pressure Control Solenoid A Open Circuit (see P0960)	G^	g			D^	d	M								
P1746	Pressure Regulator 2								J*							
P1747	Pressure Control Solenoid A Short Circuit (see P0962)	G^A	g			D*	d	M								
P1747	Pressure Regulator 3								J*							
P1748	Pressure Control Solenoid A					D^		M								
P1748	Pressure Regulator 5								J*							
P1749	Pressure Control Solenoid A Failed Low	G														
P174A	Gear Lever X Position Sensor Circuit Low															
P174B	Gear Lever X Position Sensor Circuit High															
P174C	Gear Lever Y Position Sensor Circuit Low															
P174D	Gear Lever Y Position Sensor Circuit High															
P174E	Output Shaft Speed / ABS Wheel Speed Correlation															
P174F	Traction Control Enable/Disable Switch Lamp Circuit															
P1750	Clutch Adaptive Learning Not Done															
P1751	Shift Solenoid A Performance	G^				D										
P1751	Shift Solenoid A Circuit Open							M								
P1752	Shift Solenoid A Circuit Short							M								
P1753																
P1754	Coast Clutch Solenoid Circuit	G^	g			D^	d									
P1755	CAN ECM/Park Brake Control Module Circuit Malfunction															
P1756	Shift Solenoid B Performance	G^				D^										
P1756	Shift Solenoid B Circuit Open							M								
P1757	Shift Solenoid B Circuit Short							M								
P1758	Pressure Solenoid Control System Incorrect Current								J*							
P1759	2-4 Brake Failsafe Valve Malfunction							M								

OBD-II Diagnostic Trouble Code Definitions		North America							Europe			Australia			SAE J1930 Component/ System and I/O Type		
	Chart indicates design-responsible software activity which implemented DTC. G=North American spark ignition PCM, T = North American standalone TCM, D=North American diesel PCM, E= Europe, N=Nissan, J=Jaguar, U=Australian. Spark Ignition PCM includes: Gasoline, FFV, NGV, LPG and bi-fuel conversions.	Spark Ignition PCM			Standalone TCM		Diesel PCM		Mazda	Jaguar	Nissan	Spark Ignition		Diesel		Spark Ignition	
	* = MIL illuminates, ^ = O/D Cancel flashes, + = ETC light illuminates, [] = assigned but not used	Continuous	KOEO	KOER	Continuous	KOEO	KOER	Continuous	KOEO	KOER		Continuous	KOEO	KOER	Continuous	KOEO	KOER
	All DTCs preceded by P unless otherwise indicated. Capital and small letters are used for visual impact only! Mazda and Nissan DTCs are for reference. Ford P/T is not responsible for assigning these DTCs. Shading indicates change from previous version.																
P1760	Pressure Control Solenoid A Short Circuit Intermittent (see P0963)	G^	g				D^										
P1760	Overrun Clutch S/V											N					
P1761	Shift Solenoid C Performance	G^															
P1762	Overdrive Band Failed Off	G*															
P1763	Low and Reverse Brake Pressure Switch Circuit								M								
P1764	Low and Reverse Brake Failsafe Valve Malfunction								M								
P1765	Timing Solenoid Circuit								M			E					
P1766	Shift Solenoid D Performance	G^															
P1767	Torque Converter Clutch Circuit	G^															
P1768	Performance/Normal/Winter Mode Input	G	g													U	
P1769	AG4 Transmission Torque Modulation Fault (VW trans)											E					
P1770	Clutch Solenoid Circuit	G							M								
P1771	Shift Solenoid E Performance																
P1771	Throttle Position Sensor Circuit High Input								M								
P1772	Throttle Position Sensor Circuit Low Input								M								
P1773	CAN Link PCM/Fuel Fired Heater Malfunction						D										
P1774	CAN Link Gear Shift Module / TCM									J*							
P1775	Transmission System MIL Fault									J							
P1775	Torque Down Signal #1 Circuit								M								
P1776	Ignition Retard Request Duration									J							
P1776	Torque Down Signal #2 Circuit								M								
P1777	Ignition Retard Request Circuit									J							
P1777	Torque Down Response Signal Circuit								M								
P1778	Transmission Reverse I/P Circuit									J							
P1779	Transmission Control Indicator Light Circuit	G	g				D										
P1779	Load Control									J*							
P1780	Transmission Control Switch (O/D Cancel) Circuit Out Of Self Test Range		g					d	M								
P1781	4X4L Circuit Out Of Self Test Range		g				d										
P1782	Performance/Economy Switch Circuit Out Of Self Test Range		g														
P1783	Transmission Overtemperature Condition	G^					D^		M	J*							
P1784	Transmission Mechanical Failure - First And Reverse	G															
P1785	Transmission Mechanical Failure - First And Second	G															
P1786	3-2 Downshift Error	G															
P1787	2-1 Downshift Error	G															
P1788	Pressure Control Solenoid B Open Circuit (see P0964)	G^	g						M								
P1789	Pressure Control Solenoid B Short Circuit (see P0966)	G^	g						M								
P1789	Ignition Supply Malfunction >7, <9 volts									J*							
P1790	TP (Mechanical) Circuit								M								
P1791	TP (Electric) Circuit								M								
P1792	Barometer Pressure Circuit								M			E					
P1793	Intake Air Volume Circuit								M								
P1793	Ignition Supply Malfunction >16, <7 volts									J*							
P1794	Battery Voltage Circuit								M	J*	E			D			
P1795	Idle Switch Circuit								M								
P1795	Inconsistent CAN Level	G*	g	g						J*							
P1796	Kick Down Switch Circuit								M								
P1796	CAN Controller Circuit (Bus off)									J*							
P1797	Clutch Pedal Position Switch/Neutral Switch Circuit								M								
P1797	CAN TCM/ECM Circuit Malfunction									J*							
P1798	Coolant Temperature Circuit								M								
P1798	CAN TCM/INST Circuit Malfunction									J							
P1799	Hold Switch Circuit								M								
P1799	CAN TCM/ABS Circuit Malfunction									J							
4x4																	
P1800	Transmission Clutch Interlock Safety Switch Circuit Failure	G	g	g													
P1801	Transmission Clutch Interlock Safety Switch Open Circuit	G	g	g													
P1802	Transmission Clutch Interlock Safety Switch Short Circuit To Battery	G	g	g													
P1803	Transmission Clutch Interlock Safety Switch Short Circuit To Ground	G	g	g													
P1804	4-Wheel Drive High Indicator Circuit Failure	G	g	g													

OBD-II Diagnostic Trouble Code Definitions		North America									Europe			Australia			SAE J1930 Component/ System and I/O Type
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* = MIL illuminates, ^ = O/D Cancel flashes, + = ETC light illuminates, [] = assigned but not used																	
All DTCs preceded by P unless otherwise indicated. Capital and small letters are used for visual impact only! Mazda and Nissan DTCs are for reference. Ford P/T is not responsible for assigning these DTCs. Shading indicates change from previous version.		Continuous	KOEO	KOER	Continuous	KOEO	KOER	Continuous	KOEO	KOER	Continuous	KOEO	KOER	Continuous	KOEO	KOER	A = Analog D = Digital F = Frequency I = Input O = Output
P1805	4-Wheel Drive High Indicator Open Circuit	G	g	g													
P1806	4-Wheel Drive High Indicator Short Circuit To Battery	G	g	g													
P1807	4-Wheel Drive High Indicator Short Circuit To Ground	G	g	g													
P1808	4-Wheel Drive Low Indicator Circuit Failure	G	g	g													
P1809	4-Wheel Drive Low Indicator Open Circuit	G	g	g													
P1810	4-Wheel Drive Low Indicator Short Circuit To Battery	G	g	g													
P1811	4-Wheel Drive Low Indicator Short Circuit To Ground	G	g	g													
P1812	4-Wheel Drive Mode Select Circuit Failure	G	g	g													
P1813	4-Wheel Drive Mode Select Open Circuit	G	g	g													
P1814	4-Wheel Drive Mode Select Short Circuit To Battery	G	g	g													
P1815	4-Wheel Drive Mode Select Short Circuit To Ground	G	g	g													
P1816	Transmission Neutral Safety Switch Circuit Failure	G	g	g													
P1817	Transmission Neutral Safety Switch Open Circuit	G	g	g													
P1818	Transmission Neutral Safety Switch Short Circuit To Battery	G	g	g													
P1819	Transmission Neutral Safety Switch Short Circuit To Ground	G	g	g													
P181A	Clutch Actuator Changeover Solenoid / Open																
P181B	Clutch Actuator Changeover Solenoid Low																
P181C	Clutch Actuator Changeover Solenoid High																
P181D	Clutch Actuator Changeover Solenoid Range/Performance																
P181E	Clutch Actuator Range/Performance																
P181F	Clutch Control System Performance																
P1820	Transfer Case Clockwise Shift Relay Coil Circuit Failure	G	g	g													
P1821	Transfer Case Clockwise Shift Relay Coil Open Circuit	G	g	g													
P1822	Transfer Case Clockwise Shift Relay Coil Short Circuit To Battery	G	g	g													
P1823	Transfer Case Clockwise Shift Relay Coil Short Circuit To Ground	G	g	g													
P1824	4-Wheel Drive Clutch Relay Circuit Failure	G	g	g													
P1825	4-Wheel Drive Clutch Relay Open Circuit	G	g	g													
P1826	4-Wheel Drive Low Clutch Relay Circuit To Battery	G	g	g													
P1827	4-Wheel Drive Low Clutch Relay Circuit To Ground	G	g	g													
P1828	Transfer Case Counter Clockwise Shift Relay Coil Circuit Failure	G	g	g													
P1829	Transfer Case Counter Clockwise Shift Relay Coil Open Circuit	G	g	g													
P1830	Transfer Case Counter Clockwise Shift Relay Coil Short Circuit To Battery	G	g	g													
P1831	Transfer Case Counter Clockwise Shift Relay Coil Short Circuit To Ground	G	g	g													
P1832	Transfer Case Differential Lock-Up Solenoid Circuit Failure	G	g	g													
P1833	Transfer Case Differential Lock-Up Solenoid Open Circuit	G	g	g													
P1834	Transfer Case Differential Lock-Up Solenoid Short Circuit To Battery	G	g	g													
P1835	Transfer Case Differential Lock-Up Solenoid Short Circuit To Ground	G	g	g													
P1836	Transfer Case Front Shaft Speed Sensor Circuit Failure	G	g	g													
P1837	Transfer Case Rear Shaft Speed Sensor Circuit Failure	G	g	g													
P1838	Transfer Case Shift Motor Circuit Failure	G	g	g													
P1839	Transfer Case Shift Motor Open Circuit	G	g	g													
P183A	Range Change Mechanism Failure																
P183B																	
P183C																	
P183D																	
P183E																	
P183F																	
P1840	Transfer Case Shift Motor Short Circuit To Battery	G	g	g													
P1841	Transfer Case Shift Motor Short Circuit To Ground	G	g	g													
P1842	Transfer Case Differential Lock-Up Feedback Switch Circuit Failure	G	g	g													
P1843	Transfer Case Differential Lock-Up Feedback Switch Open Circuit	G	g	g													
P1844	Transfer Case Differential Lock-Up Feedback Switch Short Circuit To Battery	G	g	g													
P1845	Transfer Case Differential Lock-Up Feedback Switch Short Circuit To Ground	G	g	g													
P1846	Transfer Case Contact Plate 'A' Circuit Failure	G	g	g													
P1847	Transfer Case Contact Plate 'A' Open Circuit	G	g	g													
P1848	Transfer Case Contact Plate 'A' Short Circuit To Battery	G	g	g													
P1849	Transfer Case Contact Plate 'A' Short Circuit To Ground	G	g	g													
P1850	Transfer Case Contact Plate 'B' Circuit Failure	G	g	g													
P1851	Transfer Case Contact Plate 'B' Open Circuit	G	g	g													

OBD-II Diagnostic Trouble Code Definitions		North America									Europe			Australia			SAE J1930 Component/ System and I/O Type
Chart indicates design-responsible software activity which implemented DTC. G=North American spark ignition PCM, T = North American standalone TCM, D=North American diesel PCM, E= Europe, N=Nissan, J=Jaguar, U=Australian. Spark Ignition PCM includes: Gasoline, FFV, NGV, LPG and bi-fuel conversions.		Spark Ignition PCM															
* = MIL illuminates, ^ = O/D Cancel flashes, + = ETC light illuminates, [] = assigned but not used																	
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P1852	Transfer Case Contact Plate 'B' Short Circuit To Battery	G	g	g													
P1853	Transfer Case Contact Plate 'B' Short Circuit To Ground	G	g	g													
P1854	Transfer Case Contact Plate 'C' Circuit Failure	G	g	g													
P1855	Transfer Case Contact Plate 'C' Open Circuit	G	g	g													
P1856	Transfer Case Contact Plate 'C' Short Circuit To Battery	G	g	g													
P1857	Transfer Case Contact Plate 'C' Short Circuit To Ground	G	g	g													
P1858	Transfer Case Contact Plate 'D' Circuit Failure	G	g	g													
P1859	Transfer Case Contact Plate 'D' Open Circuit	G	g	g													
P1860	Transfer Case Contact Plate 'D' Short Circuit To Battery	G	g	g													
P1861	Transfer Case Contact Plate 'D' Short Circuit To Ground	G	g	g													
P1862	Transfer Case Contact Plate Power Circuit Failure	G	g	g													
P1863	Transfer Case Contact Plate Power Open Circuit	G	g	g													
P1864	Transfer Case Contact Plate Power Short To Battery	G	g	g													
P1865	Transfer Case Contact Plate Power Short To Ground	G	g	g													
P1866	Transfer Case System Concern - Servicing Required	G	g	g													
P1867	Transfer Case Contact Plate General Circuit Failure	G	g	g													
P1868	4-Wheel Drive Indicator (Lamp) Circuit Failure	G	g	g													
P1869	4-Wheel Drive Indicator (Lamp) Circuit Short To Battery	G	g	g													
P186A	Differential Lock-up Actuator Brake Control Circuit / Open																
P186B	Differential Lock-up Actuator Brake Control Circuit Low																
P186C	Differential Lock-up Actuator Brake Control Circuit High																
P186D	Clutch Actuator Stuck						T*										
P186E																	
P186F																	
P1870	Mechanical Transfer Case 4x4 Switch Circuit Failure	G	g	g													
P1871	Mechanical Transfer Case 4x4 Switch Circuit Short To Battery	G	g	g													
P1872	Mechanical 4-Wheel Drive Axle Lock Lamp Circuit Failure	G	g	g													
P1873	Mechanical 4-Wheel Drive Axle Lock Lamp Circuit Short To Battery	G	g	g													
P1874	Transfer Case Hall Effect Sensor Power Circuit Failure	G	g	g													
P1875	Transfer Case Hall Effect Sensor Power Circuit Short To Battery	G	g	g													
P1876	Transfer Case 2-Wheel Drive Solenoid Circuit Failure	G	g	g													
P1877	Transfer Case 2-Wheel Drive Solenoid Circuit Short To Battery	G	g	g													
P1878	Transfer Case Disengaged Solenoid Circuit Failure	G	g	g													
P1879	Transfer Case Disengaged Solenoid Open Circuit	G	g	g													
P1880	Transfer Case Disengaged Solenoid Short to Battery	G	g	g													
P1881	Engine Coolant Level Switch Circuit	G	g	g													
P1882	Engine Coolant Level Switch Circuit Short To Ground	G								J							
P1883	Engine Coolant Level Switch Circuit	G															
P1884	Engine Coolant Level Lamp Circuit Short To Ground	G															
P1885	Transfer Case Disengaged Solenoid Short to Ground	G	g	g													
P1886	4X4 Initialization Failure	G	g	g													
P1887	4-Wheel Drive Control Solenoid Circuit Failure									M							
P1888	Differential Oil Temperature Sensor Circuit Failure									M							
P1889	Oil Pressure Pump Performance																
P188A																	
P188B																	
P188C																	
P188D																	
P188E																	
P188F	Transfer Case Contact Plate Ground Return Short to Battery																
P1890	4-Wheel Drive Mode Select Return Input Circuit Failure	G	g	g													
P1891	Transfer Case Contact Plate Ground Return Open Circuit	G	g	g													
P1892	Axle Disconnect Engagement Solenoid Circuit High																
P1893	Axle Disconnect Engagement Solenoid Circuit Low																
P1894	Axle Disconnect Disengagement Solenoid Circuit High																
P1895	Axle Disconnect Disengagement Solenoid Circuit Low																
P1896	Axle Disconnect Engagement Position Sensor Circuit High																
P1897	Axle Disconnect Engagement Position Sensor Circuit Low																
P1898	Axle Disconnect Indicator Circuit High																

OBD-II Diagnostic Trouble Code Definitions		North America									Europe			Australia			SAE J1930 Component/ System and I/O Type
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* = MIL illuminates, ^ = O/D Cancel flashes, + = ETC light illuminates, [] = assigned but not used																	
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P1899	Axle Disconnect Indicator Circuit Low																
P189A	Axle Disconnect Input Switch Circuit Low																
P189B	Axle Disconnect Input Switch Circuit High																
P189C																	
P189D																	
P189E																	
P189F																	
C1160	Center Axle Disconnect (CAD) System General Failure	G	g	g													
C1728	Transfer Case Unable To Transition Between 2H and 4H	G	g	g													
C1729	Transfer Case Unable To Transition Between 4H and 4L	G	g	g													
C1970	4X4 Low Mode Switch LED Short To Battery	G	g	g													
C1971	4X4 Low Mode Switch LED Circuit Failure	G	g	g													
C1979	IWE Solenoid Circuit Failure	G	g	g													
C1980	IWE Solenoid Short To Battery	G	g	g													
	Transmission																
P1900	Output Shaft Speed Sensor Circuit Intermittent	G															
P1900	Cooling Fan									N							
P1901	Turbine Shaft Speed Sensor Circuit Intermittent	G															
P1902	Kickdown Solenoid Relay Control Circuit						D	d	d								
P1903	Kickdown Solenoid Circuit Low Voltage						D	d	d								
P1904	Kickdown Solenoid Circuit High Voltage						D	d	d								
P1905	Control Module Configured for End-of-Line Test Mode										E						
P1906	Kickdown Pull Relay Open Or Short Circuit To Ground (A4LD)										E						
P1907	Kickdown Hold Relay Open Or Short Circuit To Ground (A4LD)										E						
P1908	Transmission Pressure Control Solenoid Open Or Short (A4LD)										E						
P1909	Transmission Fluid Temperature Sensor Circuit Open Or Short (A4LD)										E						
P1910	Reverse Lamp Control Circuit / Open				T		D	d									
P1911	Reverse Lamp Control Circuit Low				T												
P1912	Reverse Lamp Control Circuit High				T												
P1913	Sensor Ground Reference A Circuit/Open																
P1914	Sensor Ground Reference A Circuit Low																
P1915	Sensor Ground Reference A Circuit High																
P1916	Sensor Ground Reference B Circuit/Open																
P1917	Sensor Ground Reference B Circuit Low																
P1918	Sensor Ground Reference B Circuit High																
P1919	Engine Coolant Temperature Signal				T												
P1920	Engine Speed Signal																
P1921	Transmission Range Signal				T												
P1922	Fuel Additive Level Circuit										E						
P1923	Fuel Additive Level Circuit Range/Performance										E						
P1924	Fuel Additive Level Circuit Low																
P1925	Fuel Additive Level Circuit High																
P1926	Fuel Additive Level Circuit Intermittent/Erratic																
P1927	Fuel Additive Level Too Low/Empty										E*						
P1928	Fuel Additive Pump Control Circuit / Open										E						
P1929	Fuel Additive Pump Control Circuit Performance																
P1930	Fuel Additive Pump Control Circuit Low										E						
P1931	Fuel Additive Pump Control Circuit High										E						
P1932	Fuel Additive Level Low										E						
P1933	Fuel Level Signal																
P1934	Vehicle Speed Signal				T								D				
P1935	Brake Switch/Sensor Signal												D				
P1936	Clutch Switch/Sensor Signal																
P1937	Fuel Fired Heater Control Circuit / Open																
P1938	Fuel Fired Heater Control Circuit Low																
P1939	Fuel Fired Heater Control Circuit High																
P193A	Invalid Scan Tool Communication/Request																
P193B	Throttle/Pedal Signal																
P193C																	

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P193D																
P193E																
P193F																
P1940																
P1941																
P1942																
P1943																
P1944																
P1945																
Hybrid Propulsion																
P1A00																
P1A01	Generator Brake Performance															
P1A02	Transmission One Way Clutch Performance															
P1A03	Drive Motor A Shutdown Circuit															
P1A04	Generator Shutdown Circuit															
P1A05	Desired Engine Speed Signal															
P1A06	Vehicle Mode Signal															
P1A07	Inverter High Voltage Performance															
P1A08	Generator Mode Signal															
P1A09	Hybrid Battery Power Off Signal															
P1A0A	Immediate Shutdown Signal															
P1A0B	Hybrid Battery Power Limit Exceeded															
P1A0C	Hybrid Powertrain Control Module - Engine Disabled	G														
P1A0D	Hybrid Powertrain Control Module - Generator Disabled	G														
P1A0E	Hybrid Powertrain Control Module - Motor Disabled	G														
P1A0F	Hybrid Powertrain Control Module - Vehicle Disabled	G														
P1A10	Hybrid Powertrain Control Module - Battery Disabled	G														
P1A11	Hybrid Powertrain Control Module - One Way Clutch Disabled	G														
P1A12	Hybrid Powertrain Control Module - Generator Brake Disabled	G														
P1A13	Hybrid Powertrain Control Module - Regenerative Braking Disabled	G														
P1A14	Hybrid Powertrain Control Module - Transmission Disabled	G														
P1A15																
Fuel and Air Metering and Auxiliary Emission Controls																
P2000	NOx Trap Efficiency Below Threshold (Bank 1)													E		
P2001	NOx Trap Efficiency Below Threshold (Bank 2)															
P2002	Diesel Particulate Filter Efficiency Below Threshold (Bank 1)															
P2003	Diesel Particulate Filter Efficiency Below Threshold (Bank 2)															
P2004	Intake Manifold Runner Control Stuck Open (Bank 1)	G*														M*
P2005	Intake Manifold Runner Control Stuck Open (Bank 2)	G*														
P2006	Intake Manifold Runner Control Stuck Closed (Bank 1)	G														M*
P2007	Intake Manifold Runner Control Stuck Closed (Bank 2)	G														
P2008	Intake Manifold Runner Control Circuit / Open (Bank 1)	G*	g	g												M*
P2009	Intake Manifold Runner Control Circuit Low (Bank 1)															M*
P2010	Intake Manifold Runner Control Circuit High (Bank 1)															M*
P2011	Intake Manifold Runner Control Circuit / Open (Bank 2)															
P2012	Intake Manifold Runner Control Circuit Low (Bank 2)															
P2013	Intake Manifold Runner Control Circuit High (Bank 2)															
P2014	Intake Manifold Runner Position Sensor/Switch Circuit (Bank 1)	G*	g	g												
P2015	Intake Manifold Runner Position Sensor/Switch Circuit Range/Perf. (Bank 1)	G*														
P2016	Intake Manifold Runner Position Sensor/Switch Circuit Low (Bank 1)															
P2017	Intake Manifold Runner Position Sensor/Switch Circuit High (Bank 1)															
P2018	Intake Manifold Runner Position Sensor/Switch Circuit Intermittent (Bank 1)															
P2019	Intake Manifold Runner Position Sensor/Switch Circuit (Bank 2)	G*	g	g												
P2020	Intake Manifold Runner Position Sensor/Switch Circuit Range/Perf. (Bank 2)	G*														
P2021	Intake Manifold Runner Position Sensor/Switch Circuit Low (Bank 2)															

OBD-II Diagnostic Trouble Code Definitions		North America							Europe			Australia			SAE J1930 Component/System and I/O Type				
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* = MIL illuminates, ^ = O/D Cancel flashes, + = ETC light illuminates, [] = assigned but not used																			
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P2022	Intake Manifold Runner Position Sensor/Switch Circuit High (Bank 2)																		
P2023	Intake Manifold Runner Position Sensor/Switch Circuit Intermittent (Bank 2)																		
P2024	Evaporative Emissions Fuel Vapor Temperature Sensor Circuit																		
P2025	Evaporative Emissions Fuel Vapor Temperature Sensor Circuit Performance																		
P2026	Evaporative Emissions Fuel Vapor Temperature Sensor Circuit Low Voltage																		
P2027	Evaporative Emissions Fuel Vapor Temperature Sensor Circuit High Voltage																		
P2028	Evaporative Emissions Fuel Vapor Temperature Sensor Circuit Intermittent																		
P2029	Fuel Fired Heater Disabled							D	d	d									
P2030	Fuel Fired Heater Performance							D	d	d									
P2031	Exhaust Gas Temperature Sensor Circuit Bank 1 Sensor 2																		
P2032	Exhaust Gas Temperature Sensor Circuit Low Bank 1 Sensor 2																		
P2033	Exhaust Gas Temperature Sensor Circuit High Bank 1 Sensor 2																		
P2034	Exhaust Gas Temperature Sensor Circuit Bank 2 Sensor 2																		
P2035	Exhaust Gas Temperature Sensor Circuit Low Bank 2 Sensor 2																		
P2036	Exhaust Gas Temperature Sensor Circuit High Bank 2 Sensor 2																		
P2037	Reductant Injection Air Pressure Sensor Circuit															D			
P2038	Reductant Injection Air Pressure Sensor Circuit Range/Performance																		
P2039	Reductant Injection Air Pressure Sensor Circuit Low Input																		
P203A	Reductant Level Sensor Circuit																		
P203B	Reductant Level Sensor Circuit Range/Performance																		
P203C	Reductant Level Sensor Circuit Low																		
P203D	Reductant Level Sensor Circuit High																		
P203E	Reductant Level Sensor Circuit Intermittent/Erratic																		
P203F	Reductant Level Low																		
P2040	Reductant Injection Air Pressure Sensor Circuit High Input																		
P2041	Reductant Injection Air Pressure Sensor Circuit Intermittent																		
P2042	Reductant Temperature Sensor Circuit																		
P2043	Reductant Temperature Sensor Circuit Range/Performance																		
P2044	Reductant Temperature Sensor Circuit Low Input																		
P2045	Reductant Temperature Sensor Circuit High Input																		
P2046	Reductant Temperature Sensor Circuit Intermittent																		
P2047	Reductant Injector Circuit / Open Bank 1 Unit 1																D		
P2048	Reductant Injector Circuit Low Bank 1 Unit 1																		
P2049	Reductant Injector Circuit High Bank 1 Unit 1																		
P204A	Reductant Pressure Sensor Circuit																		
P204B	Reductant Pressure Sensor Circuit Range/Performance																		
P204C	Reductant Pressure Sensor Circuit Low																		
P204D	Reductant Pressure Sensor Circuit High																		
P204E	Reductant Pressure Sensor Circuit Intermittent/Erratic																		
P204F																			
P2050	Reductant Injector Circuit / Open Bank 2 Unit 1																		
P2051	Reductant Injector Circuit Low Bank 2 Unit 1																		
P2052	Reductant Injector Circuit High Bank 2 Unit 1																		
P2053	Reductant Injector Circuit / Open Bank 1 Unit 2																D		
P2054	Reductant Injector Circuit Low Bank 1 Unit 2																		
P2055	Reductant Injector Circuit High Bank 1 Unit 2																		
P2056	Reductant Injector Circuit / Open Bank 2 Unit 2																		
P2057	Reductant Injector Circuit Low Bank 2 Unit 2																		
P2058	Reductant Injector Circuit High Bank 2 Unit 2																		
P2059	Reductant Injection Air Pump Control Circuit / Open																		
P205A	Reductant Tank Temperature Sensor Circuit																		
P205B	Reductant Tank Temperature Sensor Circuit Range/Performance																		
P205C	Reductant Tank Temperature Sensor Circuit Low																		
P205D	Reductant Tank Temperature Sensor Circuit High																		
P205E	Reductant Tank Temperature Sensor Circuit Intermittent/Erratic																		
P205F																			
P2060	Reductant Injection Air Pump Control Circuit Low																		
P2061	Reductant Injection Air Pump Control Circuit High																		
P2062	Reductant Supply Control Circuit / Open																		

OBD-II Diagnostic Trouble Code Definitions		North America						Europe			Australia			SAE J1930 Component/ System and I/O Type		
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* = MIL illuminates, ^ = O/D Cancel flashes, + = ETC light illuminates, [] = assigned but not used																
All DTCs preceded by P unless otherwise indicated. Capital and small letters are used for visual impact only! Mazda and Nissan DTCs are for reference. Ford P/T is not responsible for assigning these DTCs. Shading indicates change from previous version.		Continuous	KOEO	KOER	Continuous	KOEO	KOER	Continuous	KOEO	KOER	Continuous	KOEO	KOER	Continuous	KOEO	KOER
P2063	Reductant Supply Control Circuit Low															
P2064	Reductant Supply Control Circuit High															
P2065	Fuel Level Sensor B Circuit	G*	g	g												
P2066	Fuel Level Sensor B Circuit Range/Performance	G*	g	g												
P2067	Fuel Level Sensor B Circuit Low	G*	g	g												
P2068	Fuel Level Sensor B Circuit High	G*	g	g												
P2069	Fuel Level Sensor B Circuit Intermittent															
P206A																
P206B																
P206C																
P206D																
P206E	Intake Manifold Tuning Valve Stuck Open Bank 2															
P206F	Intake Manifold Tuning Valve Stuck Closed Bank 2															
P2070	Intake Manifold Tuning Valve Stuck Open Bank 1	G	g													IMTV
P2071	Intake Manifold Tuning Valve Stuck Closed Bank 1	G	g													IMTV
P2072	Throttle Actuator Control System - Ice Blockage	G														IMTV
P2073	Manifold Absolute Pressure/Mass Air Flow - Throttle Position Correlation at Idle															
P2074	Manifold Absolute Pressure/Mass Air Flow - Throttle Position Correlation at Higher Load															
P2075	Intake Manifold Tuning Valve Position Sensor/Switch Circuit Bank 1															
P2076	Intake Manifold Tuning Valve Position Sensor/Switch Circuit Range/Performance Bank 1															
P2077	Intake Manifold Tuning Valve Position Sensor/Switch Circuit Low Bank 1	G	g	g												
P2078	Intake Manifold Tuning Valve Position Sensor/Switch Circuit High Bank 1	G	g	g												
P2079	Intake Manifold Tuning Valve Position Sensor/Switch Circuit Intermittent Bank 1															
P207A	Intake Manifold Tuning Valve Position Sensor/Switch Circuit Bank 2															
P207B	Intake Manifold Tuning Valve Position Sensor/Switch Circuit Range/Performance Bank 2															
P207C	Intake Manifold Tuning Valve Position Sensor/Switch Circuit Low Bank 2															
P207D	Intake Manifold Tuning Valve Position Sensor/Switch Circuit High Bank 2															
P207E	Intake Manifold Tuning Valve Position Sensor/Switch Circuit Intermittent Bank 2															
P207F																
P2080	Exhaust Gas Temperature Sensor Circuit Range/Performance Bank 1 Sensor 1															
P2081	Exhaust Gas Temperature Sensor Circuit Intermittent Bank 1 Sensor 1															
P2082	Exhaust Gas Temperature Sensor Circuit Range/Performance Bank 2 Sensor 1															
P2083	Exhaust Gas Temperature Sensor Circuit Intermittent Bank 2 Sensor 1															
P2084	Exhaust Gas Temperature Sensor Circuit Range/Performance Bank 1 Sensor 2															
P2085	Exhaust Gas Temperature Sensor Circuit Intermittent Bank 1 Sensor 2															
P2086	Exhaust Gas Temperature Sensor Circuit Range/Performance Bank 2 Sensor 2															
P2087	Exhaust Gas Temperature Sensor Circuit Intermittent Bank 2 Sensor 2															
P2088	A Camshaft Position Actuator Control Circuit Low Bank 1															M*
P2089	A Camshaft Position Actuator Control Circuit High Bank 1															M*
P2090	B Camshaft Position Actuator Control Circuit Low Bank 1															M*
P2091	B Camshaft Position Actuator Control Circuit High Bank 1															M*
P2092	A Camshaft Position Actuator Control Circuit Low Bank 2															M*
P2093	A Camshaft Position Actuator Control Circuit High Bank 2															M*
P2094	B Camshaft Position Actuator Control Circuit Low Bank 2															M*
P2095	B Camshaft Position Actuator Control Circuit High Bank 2															M*
P2096	Post Catalyst Fuel Trim System Too Lean Bank 1	G														
P2097	Post Catalyst Fuel Trim System Too Rich Bank 1	G														
P2098	Post Catalyst Fuel Trim System Too Lean Bank 2	G														
P2099	Post Catalyst Fuel Trim System Too Rich Bank 2	G														
Fuel and Air Metering and Auxiliary Emission Controls																
P2100	Throttle Actuator Control Motor Circuit /Open	G*	g	g												M*
P2101	Throttle Actuator Control Motor Circuit Range/Performance	G*	g	g												E*
P2102	Throttle Actuator Control Motor Circuit Low	G*	g	g												M*
P2103	Throttle Actuator Control Motor Circuit High	G*	g	g												M*
P2104	Throttle Actuator Control System - Forced Idle	G*+														M*
P2105	Throttle Actuator Control System - Forced Engine Shutdown	G*+														M
P2106	Throttle Actuator Control System - Forced Limited Power	G*+														M*
P2107	Throttle Actuator Control Module Processor	G*+														M*
P2108	Throttle Actuator Control Module Performance															M*

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* = MIL illuminates, ^ = O/D Cancel flashes, + = ETC light illuminates, [] = assigned but not used																	
All DTCs preceded by P unless otherwise indicated. Capital and small letters are used for visual impact only! Mazda and Nissan DTCs are for reference. Ford P/T is not responsible for assigning these DTCs. Shading indicates change from previous version.		Continuous	KOEO	KOER	Continuous	KOEO	KOER	Continuous	KOEO	KOER		Continuous	KOEO	KOER	Continuous	KOEO	KOER
P2109	Throttle / Pedal Position Sensor A Minimum Stop Performance									M*							APP
P2110	Throttle Actuator Control System - Forced Limited RPM	G+								M*		E*					
P2111	Throttle Actuator Control System - Stuck Open	G+								M*		E*					
P2112	Throttle Actuator Control System - Stuck Closed	G+								M*		E*					
P2113	Throttle / Pedal Position Sensor B Minimum Stop Performance																
P2114	Throttle / Pedal Position Sensor C Minimum Stop Performance																
P2115	Throttle / Pedal Position Sensor D Minimum Stop Performance																
P2116	Throttle / Pedal Position Sensor E Minimum Stop Performance																
P2117	Throttle / Pedal Position Sensor F Minimum Stop Performance																
P2118	Throttle Actuator Control Motor Current Range/Performance																
P2119	Throttle Actuator Control Throttle Body Range/Performance	G+								M*		E*					
P2120	Throttle/Pedal Position Sensor/Switch D Circuit											E*		D			
P2121	Throttle/Pedal Position Sensor/Switch D Circuit Range/Performance	G	g	g			D	d	d	M*		E*					
P2122	Throttle/Pedal Position Sensor/Switch D Circuit Low Input	G+	g	g			D	d	d	M*		E*					
P2123	Throttle/Pedal Position Sensor/Switch D Circuit High Input	G+	g	g			D	d	d	M*		E*					
P2124	Throttle/Pedal Position Sensor/Switch D Circuit Intermittent	G	g	g			D	d	d	M		E					
P2125	Throttle/Pedal Position Sensor/Switch E Circuit						D	d	d			E*		D			
P2126	Throttle/Pedal Position Sensor/Switch E Circuit Range/Performance	G	g	g			D	d	d	M*		E*					
P2127	Throttle/Pedal Position Sensor/Switch E Circuit Low Input	G+	g	g			D	d	d	M*		E*					
P2128	Throttle/Pedal Position Sensor/Switch E Circuit High Input	G+	g	g			D	d	d	M*		E*					
P2129	Throttle/Pedal Position Sensor/Switch E Circuit Intermittent	G	g	g			D	d	d	M		E					
P2130	Throttle/Pedal Position Sensor/Switch F Circuit						D	d	d								
P2131	Throttle/Pedal Position Sensor/Switch F Circuit Range/Performance	G	g	g			D	d	d								
P2132	Throttle/Pedal Position Sensor/Switch F Circuit Low Input	G+	g	g			D	d	d								
P2133	Throttle/Pedal Position Sensor/Switch F Circuit High Input	G+	g	g			D	d	d								
P2134	Throttle/Pedal Position Sensor/Switch F Circuit Intermittent	G	g	g			D	d	d								
P2135	Throttle/Pedal Position Sensor/Switch A / B Voltage Correlation	G+					D	d	d	M*		E*					
P2136	Throttle/Pedal Position Sensor/Switch A / C Voltage Correlation						D	d	d			E*					
P2137	Throttle/Pedal Position Sensor/Switch B / C Voltage Correlation						D	d	d								
P2138	Throttle/Pedal Position Sensor/Switch D / E Voltage Correlation	G+	g	g			D	d	d	M*		E*					
P2139	Throttle/Pedal Position Sensor/Switch D / F Voltage Correlation	G+	g	g			D	d	d								
P2140	Throttle/Pedal Position Sensor/Switch E / F Voltage Correlation	G+	g	g			D	d	d								
P2141	Exhaust Gas Recirculation Throttle Control Circuit Low													D			
P2142	Exhaust Gas Recirculation Throttle Control Circuit High													D			
P2143	Exhaust Gas Recirculation Vent Control Circuit / Open																
P2144	Exhaust Gas Recirculation Vent Control Circuit Low																
P2145	Exhaust Gas Recirculation Vent Control Circuit High																
P2146	Fuel Injector Group A Supply Voltage Circuit / Open																
P2147	Fuel Injector Group A Supply Voltage Circuit Low											E					
P2148	Fuel Injector Group A Supply Voltage Circuit High											E					
P2149	Fuel Injector Group B Supply Voltage Circuit / Open																
P2150	Fuel Injector Group B Supply Voltage Circuit Low																
P2151	Fuel Injector Group B Supply Voltage Circuit High																
P2152	Fuel Injector Group C Supply Voltage Circuit / Open																
P2153	Fuel Injector Group C Supply Voltage Circuit Low																
P2154	Fuel Injector Group C Supply Voltage Circuit High																
P2155	Fuel Injector Group D Supply Voltage Circuit / Open																
P2156	Fuel Injector Group D Supply Voltage Circuit Low																
P2157	Fuel Injector Group D Supply Voltage Circuit High																
P2158	Vehicle Speed Sensor B																
P2159	Vehicle Speed Sensor B Range/Performance																
P215A	Vehicle Speed / Wheel Speed Correlation																
P215B	Vehicle Speed / Output Shaft Speed Correlation																
P215C																	
P215D																	
P215E																	
P215F																	
P2160	Vehicle Speed Sensor B Circuit Low																
P2161	Vehicle Speed Sensor A Intermittent/Erratic																

OBD-II Diagnostic Trouble Code Definitions		North America							Europe			Australia			SAE J1930 Component/ System and I/O Type	
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* = MIL illuminates, ^ = O/D Cancel flashes, + = ETC light illuminates, [] = assigned but not used																
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P2162	Vehicle Speed Sensor A / B Correlation															
P2163	Throttle/Pedal Position Sensor A Maximum Stop Performance															
P2164	Throttle/Pedal Position Sensor B Maximum Stop Performance															
P2165	Throttle/Pedal Position Sensor C Maximum Stop Performance															
P2166	Throttle/Pedal Position Sensor D Maximum Stop Performance															
P2167	Throttle/Pedal Position Sensor E Maximum Stop Performance															
P2168	Throttle/Pedal Position Sensor F Maximum Stop Performance															
P2169	Exhaust Pressure Regulator Vent Solenoid Control Circuit / Open															
P2170	Exhaust Pressure Regulator Vent Solenoid Control Circuit Low															
P2171	Exhaust Pressure Regulator Vent Solenoid Control Circuit high															
P2172	Throttle Actuator Control System - Sudden High Airflow Detected															
P2173	Throttle Actuator Control System - High Airflow Detected															
P2174	Throttle Actuator Control System - Sudden Low Airflow Detected															
P2175	Throttle Actuator Control System - Low Airflow Detected															
P2176	Throttle Actuator Control System - Idle Position Not Learned											E*				
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															
P2182	Engine Coolant Temperature Sensor 2 Circuit															
P2183	Engine Coolant Temperature Sensor 2 Circuit Range/Performance															
P2184	Engine Coolant Temperature Sensor 2 Circuit Low															
P2185	Engine Coolant Temperature Sensor 2 Circuit High															
P2186	Engine Coolant Temperature Sensor 2 Circuit Intermittent/Erratic															
P2187	System Too Lean at Idle - Bank 1															
P2188	System Too Rich at Idle - Bank 1															
P2189	System Too Lean at Idle - Bank 2															
P2190	System Too Rich at Idle - Bank 2															
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	G*		g												
P2196	O2 Sensor Signal Biased/Stuck Rich - Bank 1, Sensor 1	G*		g												
P2197	O2 Sensor Signal Biased/Stuck Lean - Bank 2, Sensor 1	G*		g												
P2198	O2 Sensor Signal Biased/Stuck Rich - Bank 2, Sensor 1	G*		g												
P2199	Intake Air Temperature 1/2 Correlation															
Fuel and Air Metering and Auxiliary Emission Controls																
P2200	NOx Sensor Circuit Bank 1															
P2201	NOx Sensor Circuit Range/Performance Bank 1	G														
P2202	NOx Sensor Circuit Low Input Bank 1	G	g	g												
P2203	NOx Sensor Circuit High Input Bank 1	G	g	g												
P2204	NOx Sensor Circuit Intermittent Bank 1															
P2205	NOx Sensor Heater Control Circuit / Open Bank 1															
P2206	NOx Sensor Heater Control Circuit Low Bank 1															
P2207	NOx Sensor Heater Control Circuit High Bank 1															
P2208	NOx Sensor Heater Sense Circuit Bank 1															
P2209	NOx Sensor Heater Sense Circuit Range/Performance Bank 1															
P2210	NOx Sensor Heater Sense Circuit Low Input Bank 1															
P2211	NOx Sensor Heater Sense Circuit High Input Bank 1															
P2212	NOx Sensor Heater Sense Circuit Intermittent Bank 1															
P2213	NOx Sensor Circuit Bank 2															
P2214	NOx Sensor Circuit Range/Performance Bank 2															
P2215	NOx Sensor Circuit Low Input Bank 2															
P2216	NOx Sensor Circuit High Input Bank 2															
P2217	NOx Sensor Circuit Intermittent Bank 2															
P2218	NOx Sensor Heater Control Circuit / Open Bank 2															
P2219	NOx Sensor Heater Control Circuit Low Bank 2															

OBD-II Diagnostic Trouble Code Definitions		North America							Europe			Australia			SAE J1930 Component/ System and I/O Type				
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P2220	NOx Sensor Heater Control Circuit High Bank 2																		
P2221	NOx Sensor Heater Sense Circuit Bank 2																		
P2222	NOx Sensor Heater Sense Circuit Range/Performance Bank 2																		
P2223	NOx Sensor Heater Sense Circuit Low Input Bank 2																		
P2224	NOx Sensor Heater Sense Circuit High Input Bank 2																		
P2225	NOx Sensor Heater Sense Circuit Intermittent Bank 2																		
P2226	Barometric Pressure Circuit																		
P2227	Barometric Pressure Circuit Range/Performance									M*						D			
P2228	Barometric Pressure Circuit Low Input									M*						D			
P2229	Barometric Pressure Circuit High Input									M*						D			
P2230	Barometric Pressure Circuit Intermittent																		
P2231	O2 Sensor Signal Circuit Shorted to Heater Circuit - Bank 1, Sensor 1																		
P2232	O2 Sensor Signal Circuit Shorted to Heater Circuit - Bank 1, Sensor 2																		
P2233	O2 Sensor Signal Circuit Shorted to Heater Circuit - Bank 1, Sensor 3																		
P2234	O2 Sensor Signal Circuit Shorted to Heater Circuit - Bank 2, Sensor 1																		
P2235	O2 Sensor Signal Circuit Shorted to Heater Circuit - Bank 2, Sensor 2																		
P2236	O2 Sensor Signal Circuit Shorted to Heater Circuit - Bank 2, Sensor 3																		
P2237	O2 Sensor Positive Current Control Circuit / Open - Bank 1, Sensor 1																		
P2238	O2 Sensor Positive Current Control Circuit Low - Bank 1, Sensor 1																		
P2239	O2 Sensor Positive Current Control Circuit High - Bank 1, Sensor 1																		
P2240	O2 Sensor Positive Current Control Circuit / Open - Bank 2, Sensor 1																		
P2241	O2 Sensor Positive Current Control Circuit Low - Bank 2, Sensor 1																		
P2242	O2 Sensor Positive Current Control Circuit High - Bank 2, Sensor 1																		
P2243	O2 Sensor Reference Voltage Circuit / Open - Bank 1, Sensor 1																		
P2244	O2 Sensor Reference Voltage Performance - Bank 1, Sensor 1																		
P2245	O2 Sensor Reference Voltage Circuit Low - Bank 1, Sensor 1																		
P2246	O2 Sensor Reference Voltage Circuit High - Bank 1, Sensor 1																		
P2247	O2 Sensor Reference Voltage Circuit / Open - Bank 2, Sensor 1																		
P2248	O2 Sensor Reference Voltage Performance - Bank 2, Sensor 1																		
P2249	O2 Sensor Reference Voltage Circuit Low - Bank 2, Sensor 1																		
P2250	O2 Sensor Reference Voltage Circuit High - Bank 2, Sensor 1																		
P2251	O2 Sensor Negative Current Control Circuit / Open - Bank 1, Sensor 1																		
P2252	O2 Sensor Negative Current Control Circuit Low - Bank 1, Sensor 1																		
P2253	O2 Sensor Negative Current Control Circuit High - Bank 1, Sensor 1																		
P2254	O2 Sensor Negative Current Control Circuit / Open - Bank 2, Sensor 1																		
P2255	O2 Sensor Negative Current Control Circuit Low - Bank 2, Sensor 1																		
P2256	O2 Sensor Negative Current Control Circuit High - Bank 2, Sensor 1																		
P2257	Secondary Air Injection System Control A Circuit Low	G*	g	g															
P2258	Secondary Air Injection System Control A Circuit High	G*	g	g															
P2259	Secondary Air Injection System Control B Circuit Low																		
P2260	Secondary Air Injection System Control B Circuit High																		
P2261	Turbocharger/Supercharger Bypass Valve - Mechanical																		
P2262	Turbocharger/Supercharger Boost Pressure Not Detected - Mechanical							D											
P2263	Turbocharger/Supercharger Boost System Performance							D											
P2264	Water in Fuel Sensor Circuit							D	d	d									
P2265	Water in Fuel Sensor Circuit Range/Performance																		
P2266	Water in Fuel Sensor Circuit Low																		
P2267	Water in Fuel Sensor Circuit High																		
P2268	Water in Fuel Sensor Circuit Intermittent																		
P2269	Water in Fuel Condition							D	d	d									
P2270	O2 Sensor Signal Stuck Lean - Bank 1, Sensor 2	G*	g																
P2271	O2 Sensor Signal Stuck Rich - Bank 1, Sensor 2	G*	g																
P2272	O2 Sensor Signal Stuck Lean - Bank 2, Sensor 2	G*	g																
P2273	O2 Sensor Signal Stuck Rich - Bank 2, Sensor 2	G*	g																
P2274	O2 Sensor Signal Stuck Lean - Bank 1, Sensor 3	G*	g																
P2275	O2 Sensor Signal Stuck Rich - Bank 1, Sensor 3	G*	g																
P2276	O2 Sensor Signal Stuck Lean - Bank 2, Sensor 3	G*	g																
P2277	O2 Sensor Signal Stuck Rich - Bank 2, Sensor 3	G*	g																
P2278	Oxygen Sensor Signals Swapped Bank 1 Sensor 3 / Bank 2 Sensor 3			g															

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* = MIL illuminates, ^ = O/D Cancel flashes, + = ETC light illuminates, [] = assigned but not used																			
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P2279	Intake Air System Leak	G*																	
P2280	Air Flow Restriction / Air Leak Between Air Cleaner and MAF																		
P2281	Air Leak Between MAF and Throttle Body																		
P2282	Air Leak Between Throttle Body and Intake Valve																		
P2283	Injector Control Pressure Sensor Circuit																		
P2284	Injector Control Pressure Sensor Circuit Range/Performance							D	d										
P2285	Injector Control Pressure Sensor Circuit Low							D	d	d									
P2286	Injector Control Pressure Sensor Circuit High							D	d	d									
P2287	Injector Control Pressure Sensor Circuit Intermittent																		
P2288	Injector Control Pressure Too High							D	d								D*		
P2289	Injector Control Pressure Too High - Engine Off							D	d										
P2290	Injector Control Pressure Too Low							D	d										
P2291	Injector Control Pressure Too Low - Engine Cranking							D	d								D*		
P2292	Injector Control Pressure Erratic							D	d										
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																		
P2297	O2 Sensor Out of Range During Deceleration Bank 1, Sensor 1																		
P2298	O2 Sensor Out of Range During Deceleration Bank 2, Sensor 1																		
P2299	Brake Pedal Position/Accelerator Pedal Position Incompatible																		
Ignition System or Misfire																			
P2300	Ignition Coil A Primary Control Circuit Low																		
P2301	Ignition Coil A Primary Control Circuit High																		
P2302	Ignition Coil A Secondary Circuit																		
P2303	Ignition Coil B Primary Control Circuit Low																		
P2304	Ignition Coil B Primary Control Circuit High																		
P2305	Ignition Coil B Secondary Circuit																		
P2306	Ignition Coil C Primary Control Circuit Low																		
P2307	Ignition Coil C Primary Control Circuit High																		
P2308	Ignition Coil C Secondary Circuit																		
P2309	Ignition Coil D Primary Control Circuit Low																		
P2310	Ignition Coil D Primary Control Circuit High																		
P2311	Ignition Coil D Secondary Circuit																		
P2312	Ignition Coil E Primary Control Circuit Low																		
P2313	Ignition Coil E Primary Control Circuit High																		
P2314	Ignition Coil E Secondary Circuit																		
P2315	Ignition Coil F Primary Control Circuit Low																		
P2316	Ignition Coil F Primary Control Circuit High																		
P2317	Ignition Coil F Secondary Circuit																		
P2318	Ignition Coil G Primary Control Circuit Low																		
P2319	Ignition Coil G Primary Control Circuit High																		
P2320	Ignition Coil G Secondary Circuit																		
P2321	Ignition Coil H Primary Control Circuit Low																		
P2322	Ignition Coil H Primary Control Circuit High																		
P2323	Ignition Coil H Secondary Circuit																		
P2324	Ignition Coil I Primary Control Circuit Low																		
P2325	Ignition Coil I Primary Control Circuit High																		
P2326	Ignition Coil I Secondary Circuit																		
P2327	Ignition Coil J Primary Control Circuit Low																		
P2328	Ignition Coil J Primary Control Circuit High																		
P2329	Ignition Coil J Secondary Circuit																		
P2330	Ignition Coil K Primary Control Circuit Low																		
P2331	Ignition Coil K Primary Control Circuit High																		
P2332	Ignition Coil K Secondary Circuit																		
P2333	Ignition Coil L Primary Control Circuit Low																		
P2334	Ignition Coil L Primary Control Circuit High																		
P2335	Ignition Coil L Secondary Circuit																		
P2336	Cylinder #1 Above Knock Threshold												E			D*			

OBD-II Diagnostic Trouble Code Definitions		North America						Europe			Australia			SAE J1930 Component/ System and I/O Type	
Chart indicates design-responsible software activity which implemented DTC. G=North American spark ignition PCM, T = North American standalone TCM, D=North American diesel PCM, E= Europe, N=Nissan, J=Jaguar, U=Australian. Spark Ignition PCM includes: Gasoline, FFV, NGV, LPG and bi-fuel conversions.		Spark Ignition PCM			Standalone TCM					Spark Ignition			Spark Ignition		
* = MIL illuminates, ^ = O/D Cancel flashes, + = ETC light illuminates, [] = assigned but not used															
All DTCs preceded by P unless otherwise indicated. Capital and small letters are used for visual impact only! Mazda and Nissan DTCs are for reference. Ford P/T is not responsible for assigning these DTCs. Shading indicates change from previous version.		Continuous	KOEO	KOER	Continuous	KOEO	KOER			Continuous	KOEO	KOER	Continuous	KOEO	KOER
P2337	Cylinder #2 Above Knock Threshold														
P2338	Cylinder #3 Above Knock Threshold														
P2339	Cylinder #4 Above Knock Threshold														
P2340	Cylinder #5 Above Knock Threshold														
P2341	Cylinder #6 Above Knock Threshold														
P2342	Cylinder #7 Above Knock Threshold														
P2343	Cylinder #8 Above Knock Threshold														
P2344	Cylinder #9 Above Knock Threshold														
P2345	Cylinder #10 Above Knock Threshold														
P2346	Cylinder #11 Above Knock Threshold														
P2347	Cylinder #12 Above Knock Threshold														
P2348															
P2349															
P234A															
P234B															
P234C															
P234D															
P234E															
P234F															
P2350															
P2351															
P2352															
P2353															
P2354															
P2355															
P2356															
P2357															
P2358															
P2359															
P235A															
P235B															
P235C															
P235D															
P235E															
P235F															
P2360															
P2361															
P2362															
P2363															
P2364															
P2365															
P2366															
P2367															
P2368															
P2369															
P236A															
P236B															
P236C															
P236D															
P236E															
P236F															
P2370															
P2371															
P2372															
P2373															
P2374															
P2375															
P2376															
P2377															

OBD-II Diagnostic Trouble Code Definitions		North America						Europe			Australia			SAE J1930 Component/ System and I/O Type
Chart indicates design-responsible software activity which implemented DTC. G=North American spark ignition PCM, T = North American standalone TCM, D=North American diesel PCM, E= Europe, N=Nissan, J=Jaguar, U=Australian. Spark Ignition PCM includes: Gasoline, FFV, NGV, LPG and bi-fuel conversions.		Spark Ignition PCM			Standalone TCM				Spark Ignition			Spark Ignition		
* = MIL illuminates, ^ = O/D Cancel flashes, + = ETC light illuminates, [] = assigned but not used														
All DTCs preceded by P unless otherwise indicated. Capital and small letters are used for visual impact only! Mazda and Nissan DTCs are for reference. Ford P/T is not responsible for assigning these DTCs. Shading indicates change from previous version.		Continuous	KOEO	KOER	Continuous	KOEO	KOER		Continuous	KOEO	KOER	Continuous	KOEO	KOER
P2378														
P2379														
P237A														
P237B														
P237C														
P237D														
P237E														
P237F														
P2380														
P2381														
P2382														
P2383														
P2384														
P2385														
P2386														
P2387														
P2388														
P2389														
P238A														
P238B														
P238C														
P238D														
P238E														
P238F														
P2390														
P2391														
P2392														
P2393														
P2394														
P2395														
P2396														
P2397														
P2398														
P2399														
Auxiliary Emission Controls														
P2400	Evaporative Emission System Leak Detection Pump Control Circuit / Open													M*
P2401	Evaporative Emission System Leak Detection Pump Control Circuit Low													M*
P2402	Evaporative Emission System Leak Detection Pump Control Circuit High													M*
P2403	Evaporative Emission System Leak Detection Pump Sense Circuit / Open													M*
P2404	Evaporative Emission System Leak Detection Pump Sense Circuit Range/Performance													M*
P2405	Evaporative Emission System Leak Detection Pump Sense Circuit Low													M*
P2406	Evaporative Emission System Leak Detection Pump Sense Circuit High													M*
P2407	Evaporative Emission System Leak Detection Pump Sense Circuit Intermittent/Erratic													M*
P2408	Fuel Cap Sensor/Switch Circuit													
P2409	Fuel Cap Sensor/Switch Circuit Range/Performance									E				
P240A	Evaporative Emission System Leak Detection Pump Heater Circuit / Open													
P240B	Evaporative Emission System Leak Detection Pump Heater Circuit Low													
P240C	Evaporative Emission System Leak Detection Pump Heater Circuit High													
P240D														
P240E														
P240F														
P2410	Fuel Cap Sensor/Switch Circuit Low									E				
P2411	Fuel Cap Sensor/Switch Circuit High									E				
P2412	Fuel Cap Sensor/Switch Circuit Intermittent/Erratic													
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	Oxygen Sensor Signals Swapped Bank 1 Sensor 2 / Bank 1 Sensor 3													
P2417	Oxygen Sensor Signals Swapped Bank 2 Sensor 2 / Bank 2 Sensor 3													

OBD-II Diagnostic Trouble Code Definitions		North America							Europe			Australia			SAE J1930 Component/ System and I/O Type	
Chart indicates design-responsible software activity which implemented DTC. G=North American spark ignition PCM, T = North American standalone TCM, D=North American diesel PCM, E= Europe, N=Nissan, J=Jaguar, U=Australian. Spark Ignition PCM includes: Gasoline, FFV, NGV, LPG and bi-fuel conversions.		Spark Ignition PCM			Standalone TCM		Diesel PCM		Mazda	Jaguar	Nissan	Spark Ignition		Diesel		Spark Ignition
* = MIL illuminates, ^ = O/D Cancel flashes, + = ETC light illuminates, [] = assigned but not used																
All DTCs preceded by P unless otherwise indicated. Capital and small letters are used for visual impact only! Mazda and Nissan DTCs are for reference. Ford P/T is not responsible for assigning these DTCs. Shading indicates change from previous version.		Continuous	KOEO	KOER	Continuous	KOEO	KOER	Continuous	KOEO	KOER	Continuous	KOEO	KOER	Continuous	KOEO	KOER
P2418	Evaporative Emission Control System Switching Valve Control Circuit / Open	G*														
P2419	Evaporative Emission Control System Switching Valve Control Circuit Low															
P2420	Evaporative Emission Control System Switching Valve Control Circuit High															
P2421	Evaporative Emission Control System Vent Valve Stuck Open															
P2422	Evaporative Emission Control System Vent Valve Stuck Closed															
P2423	HC Adsorbtion Catalyst Efficiency Below Threshold Bank 1															
P2424	HC Adsorbtion Catalyst Efficiency Below Threshold Bank 2															
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															
P2428	Exhaust Gas Temperature Too High Bank 1															
P2429	Exhaust Gas Temperature Too High Bank 2															
P242A	Exhaust Gas Temperature Sensor Circuit Bank 1 Sensor 3															
P242B	Exhaust Gas Temperature Sensor Circuit Range/Performance Bank 1 Sensor 3															
P242C	Exhaust Gas Temperature Sensor Circuit Low Bank 1 Sensor 3															
P242D	Exhaust Gas Temperature Sensor Circuit High Bank 1 Sensor 3															
P242E	Exhaust Gas Temperature Sensor Circuit Intermittent/Erratic Bank 1 Sensor 3															
P242F	Diesel Particulate Filter Restriction - Ash Accumulation															
P2430	Secondary Air Injection System Air Flow/Pressure Sensor Circuit Bank 1															
P2431	Secondary Air Injection System Air Flow/Pressure Sensor Circuit Range/Performance Bank 1															
P2432	Secondary Air Injection System Air Flow/Pressure Sensor Circuit Low Input Bank 1															
P2433	Secondary Air Injection System Air Flow/Pressure Sensor Circuit High Input Bank 1															
P2434	Secondary Air Injection System Air Flow/Pressure Sensor Circuit Intermittent High Input Bank 1															
P2435	Secondary Air Injection System Air Flow/Pressure Sensor Circuit Bank 2															
P2436	Secondary Air Injection System Air Flow/Pressure Sensor Circuit Range/Performance Bank 2															
P2437	Secondary Air Injection System Air Flow/Pressure Sensor Circuit Low Input Bank 2															
P2438	Secondary Air Injection System Air Flow/Pressure Sensor Circuit High Input Bank 2															
P2439	Secondary Air Injection System Air Flow/Pressure Sensor Circuit Intermittent High Input Bank 2															
P2440	Secondary Air Injection System Switching Valve Stuck Open Bank 1															
P2441	Secondary Air Injection System Switching Valve Stuck Closed Bank 1															
P2442	Secondary Air Injection System Switching Valve Stuck Open Bank 2															
P2443	Secondary Air Injection System Switching Valve Stuck Closed Bank 2															
P2444	Secondary Air Injection System Pump Stuck On Bank 1															
P2445	Secondary Air Injection System Pump Stuck Off Bank 1															
P2446	Secondary Air Injection System Pump Stuck On Bank 2															
P2447	Secondary Air Injection System Pump Stuck Off Bank 2															
P2448	Secondary Air Injection System High Airflow Bank 1															
P2449	Secondary Air Injection System High Airflow Bank 2															
P2450	Evaporative Emission Control System Switching Valve Performance/Stuck Open	G*														
P2451	Evaporative Emission Control System Switching Valve Stuck Closed															
P2452	Diesel Particulate Filter Differential Pressure Sensor Circuit															
P2453	Diesel Particulate Filter Differential Pressure Sensor Circuit Range/Performance															
P2454	Diesel Particulate Filter Differential Pressure Sensor Circuit Low															
P2455	Diesel Particulate Filter Differential Pressure Sensor Circuit High															
P2456	Diesel Particulate Filter Differential Pressure Sensor Circuit Intermittent/Erratic															
P2457	Exhaust Gas Recirculation Cooler System Performance															
P2458	Diesel Particulate Filter Regeneration Duration															
P2459	Diesel Particulate Filter Regeneration Frequency															
P245A	Exhaust Gas Recirculation Cooler Bypass Control Circuit															
P245B	Exhaust Gas Recirculation Cooler Bypass Control Circuit Range/Performance															
P245C	Exhaust Gas Recirculation Cooler Bypass Control Circuit Low															
P245D	Exhaust Gas Recirculation Cooler Bypass Control Circuit High															
P245E																
P245F																
P2460																
P2461																
P2462																
P2463																
P2464																

OBD-II Diagnostic Trouble Code Definitions		North America						Europe			Australia			SAE J1930 Component/ System and I/O Type		
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* = MIL illuminates, ^ = O/D Cancel flashes, + = ETC light illuminates, [] = assigned but not used																
All DTCs preceded by P unless otherwise indicated. Capital and small letters are used for visual impact only! Mazda and Nissan DTCs are for reference. Ford P/T is not responsible for assigning these DTCs. Shading indicates change from previous version.		Continuous	KOEO	KOER	Continuous	KOEO	KOER	Continuous	KOEO	KOER	Continuous	KOEO	KOER	Continuous	KOEO	KOER
P2465																
P2466																
P2467																
P2468																
P2469																
P2470																
P2471																
P2472																
P2473																
P2474																
P2475																
P2476																
P2477																
P2478																
P2479																
P2480																
P2481																
P2482																
P2483																
P2484																
P2485																
P2486																
P2487																
P2488																
P2489																
P2490																
P2491																
P2492																
P2493																
P2494																
P2495																
P2496																
P2497																
P2498																
P2499																
Vehicle Speed, Idle Control and Auxiliary Inputs																
P2500	Generator Lamp Terminal Circuit Low															M
P2501	Generator Lamp Terminal Circuit High															M
P2502	Charging System Voltage															M
P2503	Charging System Voltage Low															M J
P2504	Charging System Voltage High															M J
P2505	ECM / PCM Power Input Signal															
P2506	ECM / PCM Power Input Signal Range/Performance															
P2507	ECM / PCM Power Input Signal Low															
P2508	ECM / PCM Power Input Signal High															
P2509	ECM / PCM Power Input Signal Intermittent															
P250A	Engine Oil Level Sensor Circuit															
P250B	Engine Oil Level Sensor Circuit Range/Performance															
P250C	Engine Oil Level Sensor Circuit Low															
P250D	Engine Oil Level Sensor Circuit High															
P250E	Engine Oil Level Sensor Circuit Intermittent/Erratic															
P250F	Engine Oil Level Too Low															
P2510	ECM / PCM Power Relay Sense Circuit Range/Performance															
P2511	ECM / PCM Power Relay Sense Circuit Intermittent															
P2512	Event Data Recorder Request Circuit / Open	G+														
P2513	Event Data Recorder Request Circuit Low	G+														
P2514	Event Data Recorder Request Circuit High	G+														
P2515	A/C Refrigerant Pressure Sensor B Circuit	G	g	g												
P2516	A/C Refrigerant Pressure Sensor B Circuit Range/Performance															

OBD-II Diagnostic Trouble Code Definitions		North America							Europe			Australia			SAE J1930 Component/ System and I/O Type		
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	* = MIL illuminates, ^ = O/D Cancel flashes, + = ETC light illuminates, [] = assigned but not used																
	All DTCs preceded by P unless otherwise indicated. Capital and small letters are used for visual impact only! Mazda and Nissan DTCs are for reference. Ford P/T is not responsible for assigning these DTCs. Shading indicates change from previous version.	Continuous	KOEO	KOER	Continuous	KOEO	KOER	Continuous	KOEO	KOER		Continuous	KOEO	KOER	Continuous	KOEO	KOER
P2517	A/C Refrigerant Pressure Sensor B Circuit Low Input																
P2518	A/C Refrigerant Pressure Sensor B Circuit High Input																
P2519	A/C Request A Circuit																
P251A	PTO Enable Switch Circuit / Open																
P251B	PTO Enable Switch Circuit Low																
P251C	PTO Enable Switch Circuit High																
P251D	PTO Engine Shutdown Circuit / Open																
P251E	PTO Engine Shutdown Circuit Low																
P251F	PTO Engine Shutdown Circuit High																
P2520	A/C Request A Circuit Low																
P2521	A/C Request A Circuit High	G	g	g													
P2522	A/C Request B Circuit																
P2523	A/C Request B Circuit Low																
P2524	A/C Request B Circuit High	G	g	g													
P2525	Vacuum Reservoir Pressure Sensor Circuit																
P2526	Vacuum Reservoir Pressure Sensor Circuit Range/Performance																
P2527	Vacuum Reservoir Pressure Sensor Circuit Low																
P2528	Vacuum Reservoir Pressure Sensor Circuit High																
P2529	Vacuum Reservoir Pressure Sensor Circuit Intermittent																
P252A	Engine Oil Quality Sensor Circuit																
P252B	Engine Oil Quality Sensor Circuit Range/Performance																
P252C	Engine Oil Quality Sensor Circuit Low																
P252D	Engine Oil Quality Sensor Circuit High																
P252E	Engine Oil Quality Circuit Intermittent/Erratic																
P252F	Engine Oil Level Too High																
P2530	Ignition Switch Run Position Circuit																D
P2531	Ignition Switch Run Position Circuit Low	G	g	g													
P2532	Ignition Switch Run Position Circuit High																
P2533	Ignition Switch Run/Start Position Circuit																
P2534	Ignition Switch Run/Start Position Circuit Low																
P2535	Ignition Switch Run/Start Position Circuit High	G	g	g													
P2536	Ignition Switch Accessory Position Circuit																
P2537	Ignition Switch Accessory Position Circuit Low																
P2538	Ignition Switch Accessory Position Circuit High																
P2539	Low Pressure Fuel System Sensor Circuit																
P253A	PTO Sense Circuit / Open																
P253B	PTO Sense Circuit Range/Performance																
P253C	PTO Sense Circuit Low																
P253D	PTO Sense Circuit High																
P253E	PTO Sense Circuit Intermittent/Erratic																
P253F	Engine Oil Deteriorated																
P2540	Low Pressure Fuel System Sensor Circuit Range / Performance																
P2541	Low Pressure Fuel System Sensor Circuit Low Input																
P2542	Low Pressure Fuel System Sensor Circuit High Input																
P2543	Low Pressure Fuel System Sensor Circuit Intermittent																
P2544	Torque Management Request Input Signal A																T
P2545	Torque Management Request Input Signal A Range / Performance																
P2546	Torque Management Request Input Signal A Low																
P2547	Torque Management Request Input Signal A High																
P2548	Torque Management Request Input Signal B																
P2549	Torque Management Request Input Signal B Range / Performance																
P254A	PTO Speed Selector Sensor/Switch 1 Circuit / Open																
P254B	PTO Speed Selector Sensor/Switch 1 Circuit Range/Performance																
P254C	PTO Speed Selector Sensor/Switch 1 Circuit Low																
P254D	PTO Speed Selector Sensor/Switch 1 Circuit High																
P254E	PTO Speed Selector Sensor/Switch 1 Circuit Intermittent/Erratic																
P254F	Engine Hood Switch Circuit																
P2550	Torque Management Request Input Signal B Low																
P2551	Torque Management Request Input Signal B High																

OBD-II Diagnostic Trouble Code Definitions		North America									Europe			Australia			SAE J1930 Component/System and I/O Type
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* = MIL illuminates, ^ = O/D Cancel flashes, + = ETC light illuminates, [] = assigned but not used																	
All DTCs preceded by P unless otherwise indicated. Capital and small letters are used for visual impact only! Mazda and Nissan DTCs are for reference. Ford P/T is not responsible for assigning these DTCs. Shading indicates change from previous version.		Continuous	KOEO	KOER	Continuous	KOEO	KOER	Continuous	KOEO	KOER	Continuous	KOEO	KOER	Continuous	KOEO	KOER	A = Analog D = Digital F = Frequency I = Input O = Output
P2552	Throttle/Fuel Inhibit Circuit / Open																
P2553	Throttle/Fuel Inhibit Circuit Range / Performance																
P2554	Throttle/Fuel Inhibit Circuit Low																
P2555	Throttle/Fuel Inhibit Circuit High																
P2556	Engine Coolant Level Sensor/Switch Circuit																
P2557	Engine Coolant Level Sensor/Switch Circuit Range / Performance																
P2558	Engine Coolant Level Sensor/Switch Circuit Low																
P2559	Engine Coolant Level Sensor/Switch Circuit High																
P255A	PTO Speed Selector Sensor/Switch 2 Circuit / Open																
P255B	PTO Speed Selector Sensor/Switch 2 Circuit Range/Performance																
P255C	PTO Speed Selector Sensor/Switch 2 Circuit Low																
P255D	PTO Speed Selector Sensor/Switch 2 Circuit High																
P255E	PTO Speed Selector Sensor/Switch 2 Circuit Intermittent/Erratic																
P255F																	
P2560	Engine Coolant Level Low																
P2561	A/C Control Module Requested MIL Illumination																
P2562	Turbocharger Boost Control Position Sensor A Circuit																
P2563	Turbocharger Boost Control Position Sensor A Circuit Range/Performance																
P2564	Turbocharger Boost Control Position Sensor A Circuit Low																
P2565	Turbocharger Boost Control Position Sensor A Circuit High																
P2566	Turbocharger Boost Control Position Sensor A Circuit Intermittent																
P2567	Direct Ozone Reduction Catalyst Temperature Sensor Circuit																
P2568	Direct Ozone Reduction Catalyst Temperature Sensor Circuit Range/Performance																
P2569	Direct Ozone Reduction Catalyst Temperature Sensor Circuit Low																
P256A	Engine Idle Speed Selector Sensor/Switch Circuit / Open																
P256B	Engine Idle Speed Selector Sensor/Switch Circuit Range/Performance																
P256C	Engine Idle Speed Selector Sensor/Switch Circuit Low																
P256D	Engine Idle Speed Selector Sensor/Switch Circuit High																
P256E	Engine Idle Speed Selector Sensor/Switch Circuit Intermittent/Erratic																
P256F																	
P2570	Direct Ozone Reduction Catalyst Temperature Sensor Circuit High																
P2571	Direct Ozone Reduction Catalyst Temperature Sensor Circuit Intermittent/Erratic																
P2572	Direct Ozone Reduction Catalyst Deterioration Sensor Circuit																
P2573	Direct Ozone Reduction Catalyst Deterioration Sensor Circuit Range/Performance																
P2574	Direct Ozone Reduction Catalyst Deterioration Sensor Circuit Low																
P2575	Direct Ozone Reduction Catalyst Deterioration Sensor Circuit High																
P2576	Direct Ozone Reduction Catalyst Deterioration Sensor Circuit Intermittent/Erratic																
P2577	Direct Ozone Reduction Catalyst Efficiency Below Threshold																
P2578	Turbocharger Speed Sensor Circuit																
P2579	Turbocharger Speed Sensor Circuit Range/Performance																
P2580	Turbocharger Speed Sensor Circuit Low																
P2581	Turbocharger Speed Sensor Circuit High																
P2582	Turbocharger Speed Sensor Intermittent																
P2583	Cruise Control Front Distance Range Sensor																
P2584	Fuel Additive Control Module Requested MIL Illumination																
P2585	Fuel Additive Control Module Warning Lamp Request																
P2586	Turbocharger Boost Control Position Sensor B Circuit																
P2587	Turbocharger Boost Control Position Sensor B Circuit Range/Performance																
P2588	Turbocharger Boost Control Position Sensor B Circuit Low																
P2589	Turbocharger Boost Control Position Sensor B Circuit High																
P2590	Turbocharger Boost Control Position Sensor B Circuit Intermittent																
P2591																	
P2592																	
P2593																	
P2594																	
P2595																	
P2596																	
P2597																	
P2598																	

OBD-II Diagnostic Trouble Code Definitions		North America						Europe			Australia			SAE J1930 Component/ System and I/O Type		
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* = MIL illuminates, ^ = O/D Cancel flashes, + = ETC light illuminates, [] = assigned but not used																
All DTCs preceded by P unless otherwise indicated. Capital and small letters are used for visual impact only! Mazda and Nissan DTCs are for reference. Ford P/T is not responsible for assigning these DTCs. Shading indicates change from previous version.		Continuous	KOEO	KOER	Continuous	KOEO	KOER	Continuous	KOEO	KOER	Continuous	KOEO	KOER	Continuous	KOEO	KOER
P2599	Computer Outputs															
P2600	Coolant Pump Control Circuit / Open	G	g	g												
P2601	Coolant Pump Control Circuit Range/Performance															
P2602	Coolant Pump Control Circuit Low															
P2603	Coolant Pump Control Circuit High															
P2604	Intake Air Heater A Circuit Range/Performance															
P2605	Intake Air Heater B Circuit / Open															
P2606	Intake Air Heater B Circuit Range/Performance															
P2607	Intake Air Heater B Circuit Low															
P2608	Intake Air Heater B Circuit High															
P2609	Intake Air Heater System Performance															
P260A	PTO Control Circuit / Open															
P260B	PTO Control Circuit Low															
P260C	PTO Control Circuit High															
P260D	PTO Engaged Lamp Control Circuit															
P260E																
P260F	Evaporative System Monitoring Processor Performance	G*														
P2610	ECM/PCM Internal Engine Off Timer Performance															
P2611	A/C Refrigerant Distribution Valve Control Circuit / Open	G	g	g												
P2612	A/C Refrigerant Distribution Valve Control Circuit Low															
P2613	A/C Refrigerant Distribution Valve Control Circuit High															
P2614	Camshaft Position Output Circuit / Open						D	d	d							
P2615	Camshaft Position Output Circuit Low															
P2616	Camshaft Position Output Circuit high															
P2617	Crankshaft Position Output Circuit / Open						D	d	d							
P2618	Crankshaft Position Output Circuit Low															
P2619	Crankshaft Position Output Circuit high															
P2620	Throttle Position Output Circuit / Open						D	d	d							
P2621	Throttle Position Output Circuit Low															
P2622	Throttle Position Output Circuit high															
P2623	Injector Control Pressure Regulator / Open						D	d	d							
P2624	Injector Control Pressure Regulator Low															
P2625	Injector Control Pressure Regulator High															
P2626	O2 Sensor Positive Current Trim Circuit / Open Bank 1 Sensor 1															
P2627	O2 Sensor Positive Current Trim Circuit Low Bank 1, Sensor 1															
P2628	O2 Sensor Positive Current Trim Circuit High Bank 1, Sensor 1															
P2629	O2 Sensor Positive Current Trim Circuit / Open Bank 2 Sensor 1															
P2630	O2 Sensor Positive Current Trim Circuit Low Bank 2, Sensor 1															
P2631	O2 Sensor Positive Current Trim Circuit High Bank 2, Sensor 1															
P2632	Fuel Pump B Control Circuit / Open															
P2633	Fuel Pump B Control Circuit Low															
P2634	Fuel Pump B Control Circuit High															
P2635	Fuel Pump A Low Flow / Performance															
P2636	Fuel Pump B Low Flow / Performance															
P2637	Torque Management Feedback Signal A				T											
P2638	Torque Management Feedback Signal A Range / Performance															
P2639	Torque Management Feedback Signal A Low															
P2640	Torque Management Feedback Signal A High															
P2641	Torque Management Feedback Signal B															
P2642	Torque Management Feedback Signal B Range / Performance															
P2643	Torque Management Feedback Signal B Low															
P2644	Torque Management Feedback Signal B High															
P2645	A Rocker Arm Actuator Control Circuit / Open Bank 1															
P2646	A Rocker Arm Actuator Control System Performance/Stuck Off Bank 1															
P2647	A Rocker Arm Actuator Control System Stuck On Bank 1															
P2648	A Rocker Arm Actuator Control Circuit Low Bank 1															
P2649	A Rocker Arm Actuator Control Circuit High Bank 1															

OBD-II Diagnostic Trouble Code Definitions		North America							Europe			Australia			SAE J1930 Component/ System and I/O Type	
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P264A	A Rocker Arm Actuator Position Sensor Circuit Bank 1															
P264B	A Rocker Arm Actuator Position Sensor Circuit Range/Performance Bank 1															
P264C	A Rocker Arm Actuator Position Sensor Circuit Low Bank 1															
P264D	A Rocker Arm Actuator Position Sensor Circuit High Bank 1															
P264E	A Rocker Arm Actuator Position Sensor Circuit Intermittent/Erratic Bank 1															
P264F																
P2650	B Rocker Arm Actuator Control Circuit / Open Bank 1															
P2651	B Rocker Arm Actuator Control System Performance/Stuck Off Bank 1															
P2652	B Rocker Arm Actuator Control System Stuck On Bank 1															
P2653	B Rocker Arm Actuator Control Circuit Low Bank 1															
P2654	B Rocker Arm Actuator Control Circuit High Bank 1															
P2655	A Rocker Arm Actuator Control Circuit / Open Bank 2															
P2656	A Rocker Arm Actuator Control System Performance/Stuck Off Bank 2															
P2657	A Rocker Arm Actuator Control System Stuck On Bank 2															
P2658	A Rocker Arm Actuator Control Circuit Low Bank 2															
P2659	A Rocker Arm Actuator Control Circuit High Bank 2															
P265A	B Rocker Arm Actuator Position Sensor Circuit Bank 1															
P265B	B Rocker Arm Actuator Position Sensor Circuit Range/Performance Bank 1															
P265C	B Rocker Arm Actuator Position Sensor Circuit Low Bank 1															
P265D	B Rocker Arm Actuator Position Sensor Circuit High Bank 1															
P265E	B Rocker Arm Actuator Position Sensor Circuit Intermittent/Erratic Bank 1															
P265F																
P2660	B Rocker Arm Actuator Control Circuit / Open Bank 2															
P2661	B Rocker Arm Actuator Control System Performance/Stuck Off Bank 2															
P2662	B Rocker Arm Actuator Control System Stuck On Bank 2															
P2663	B Rocker Arm Actuator Control Circuit Low Bank 2															
P2664	B Rocker Arm Actuator Control Circuit High Bank 2															
P2665	Fuel Shutoff Valve B Control Circuit / Open															
P2666	Fuel Shutoff Valve B Control Circuit Low															
P2667	Fuel Shutoff Valve B Control Circuit High															
P2668	Fuel Indicator Lamp Control Circuit															
P2669	Actuator Supply Voltage B Circuit / Open															
P266A	A Rocker Arm Actuator Position Sensor Circuit Bank 2															
P266B	A Rocker Arm Actuator Position Sensor Circuit Range/Performance Bank 2															
P266C	A Rocker Arm Actuator Position Sensor Circuit Low Bank 2															
P266D	A Rocker Arm Actuator Position Sensor Circuit High Bank 2															
P266E	A Rocker Arm Actuator Position Sensor Circuit Intermittent/Erratic Bank 2															
P266F																
P2670	Actuator Supply Voltage B Circuit Low															
P2671	Actuator Supply Voltage B Circuit High															
P2672	Injection Pump Timing Offset															
P2673	Injection Pump Timing Calibration Not Learned															
P2674	Injection Pump Fuel Calibration Not Learned															
P2675	Air Cleaner Inlet Control Circuit / Open															
P2676	Air Cleaner Inlet Control Circuit Low															
P2677	Air Cleaner Inlet Control Circuit High															
P2678	Coolant Degassing Valve Control Circuit / Open															
P2679	Coolant Degassing Valve Control Circuit Low															
P267A	B Rocker Arm Actuator Position Sensor Circuit Bank 2															
P267B	B Rocker Arm Actuator Position Sensor Circuit Range/Performance Bank 2															
P267C	B Rocker Arm Actuator Position Sensor Circuit Low Bank 2															
P267D	B Rocker Arm Actuator Position Sensor Circuit High Bank 2															
P267E	B Rocker Arm Actuator Position Sensor Circuit Intermittent/Erratic Bank 2															
P267F																
P2680	Coolant Degassing Valve Control Circuit High															
P2681	Engine Coolant Bypass Valve Control Circuit / Open															
P2682	Engine Coolant Bypass Valve Control Circuit Low															
P2683	Engine Coolant Bypass Valve Control Circuit High															
P2684	Actuator Supply Voltage C Circuit / Open															

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P2685	Actuator Supply Voltage C Circuit Low															
P2686	Actuator Supply Voltage C Circuit High															
P2687	Fuel Supply Heater Control Circuit / Open															
P2688	Fuel Supply Heater Control Circuit Low															
P2689	Fuel Supply Heater Control Circuit High															
P2690																
P2691																
P2692																
P2693																
P2694																
P2695																
P2696																
P2697																
P2698																
P2699																
	Transmission															
P2700	Transmission Friction Element A Apply Time Range/Performance															D^
P2701	Transmission Friction Element B Apply Time Range/Performance															D^
P2702	Transmission Friction Element C Apply Time Range/Performance															D^
P2703	Transmission Friction Element D Apply Time Range/Performance															D^
P2704	Transmission Friction Element E Apply Time Range/Performance															D^
P2705	Transmission Friction Element F Apply Time Range/Performance															
P2706	Shift Solenoid F															
P2707	Shift Solenoid F Performance/Stuck Off															
P2708	Shift Solenoid F Stuck On															
P2709	Shift Solenoid F Electrical															
P2710	Shift Solenoid F Intermittent															
P2711	Unexpected Mechanical Gear Disengagement															
P2712	Hydraulic Pressure Unit Leakage															
P2713	Pressure Control Solenoid D															
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															
P2718	Pressure Control Solenoid D Control Circuit / Open															
P2719	Pressure Control Solenoid D Control Circuit Range/Performance															
P2720	Pressure Control Solenoid D Control Circuit Low															
P2721	Pressure Control Solenoid D Control Circuit High															
P2722	Pressure Control Solenoid E															
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															
P2727	Pressure Control Solenoid E Control Circuit / Open															
P2728	Pressure Control Solenoid E Control Circuit Range/Performance															
P2729	Pressure Control Solenoid E Control Circuit Low															
P2730	Pressure Control Solenoid E Control Circuit High															
P2731	Pressure Control Solenoid F															
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															
P2736	Pressure Control Solenoid F Control Circuit / Open															
P2737	Pressure Control Solenoid F Control Circuit Range/Performance															
P2738	Pressure Control Solenoid F Control Circuit Low															
P2739	Pressure Control Solenoid F Control Circuit High															
P273A	Transmission Friction Element G Apply Time Range/Performance															
P273B	Transmission Friction Element H Apply Time Range/Performance															
P273C																

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P273D																
P273E																
P273F																
P2740	Transmission Fluid Temperature Sensor B Circuit															
P2741	Transmission Fluid Temperature Sensor B Circuit Range/Performance															
P2742	Transmission Fluid Temperature Sensor B Circuit Low Input															
P2743	Transmission Fluid Temperature Sensor B Circuit High Input															
P2744	Transmission Fluid Temperature Sensor B Circuit Intermittent															
P2745	Intermediate Shaft Speed Sensor B Circuit															
P2746	Intermediate Shaft Speed Sensor B Circuit Range/Performance															
P2747	Intermediate Shaft Speed Sensor B Circuit No Signal															
P2748	Intermediate Shaft Speed Sensor B Circuit Intermittent															
P2749	Intermediate Shaft Speed Sensor C Circuit															
P2750	Intermediate Shaft Speed Sensor C Circuit Range/Performance															
P2751	Intermediate Shaft Speed Sensor C Circuit No Signal															
P2752	Intermediate Shaft Speed Sensor C Circuit Intermittent															
P2753	Transmission Fluid Cooler Control Circuit / Open	G														
P2754	Transmission Fluid Cooler Control Circuit Low															
P2755	Transmission Fluid Cooler Control Circuit High															
P2756	Torque Converter Clutch Pressure Control Solenoid															
P2757	Torque Converter Clutch Pressure Control Solenoid Control Circuit Perf or Stuck Off				T											
P2758	Torque Converter Clutch Pressure Control Solenoid Stuck On				T											
P2759	Torque Converter Clutch Pressure Control Solenoid Electrical															
P2760	Torque Converter Clutch Pressure Control Solenoid Intermittent															
P2761	Torque Converter Clutch Pressure Control Solenoid Control Circuit / Open															
P2762	Torque Converter Clutch Pressure Control Solenoid Control Circuit Range / Perf				T*											
P2763	Torque Converter Clutch Pressure Control Solenoid Control Circuit High				T* t											
P2764	Torque Converter Clutch Pressure Control Solenoid Control Circuit Low				T* t											
P2765	Input / Turbine Speed Sensor B Circuit				T*											
P2766	Input / Turbine Speed Sensor B Circuit Range / Performance				T											
P2767	Input / Turbine Speed Sensor B Circuit No Signal															
P2768	Input / Turbine Speed Sensor B Circuit Intermittent															
P2769	Torque Converter Clutch Circuit Low															
P2770	Torque Converter Clutch Circuit High															
P2771	Four Wheel Drive (4WD) Low Switch Circuit															
P2772	Four Wheel Drive (4WD) Low Switch Circuit Range/Performance															
P2773	Four Wheel Drive (4WD) Low Switch Circuit Low															
P2774	Four Wheel Drive (4WD) Low Switch Circuit High															
P2775	Upshift Switch Circuit Range/Performance															
P2776	Upshift Switch Circuit Low															
P2777	Upshift Switch Circuit High															
P2778	Upshift Switch Circuit Intermittent/Erratic															
P2779	Downshift Switch Circuit Range/Performance															
P2780	Downshift Switch Circuit Low															
P2781	Downshift Switch Circuit High															
P2782	Downshift Switch Circuit Intermittent/Erratic															
P2783	Torque Converter Temperature Too High															
P2784	Input / Turbine Speed Sensor A / B Correlation															
P2785	Clutch Actuator Temperature Too High															
P2786	Gear Shift Actuator Temperature Too High															
P2787	Clutch Temperature Too High															
P2788	Auto Shift Manual Adaptive Learning at Limit															
P2789	Clutch Adaptive Learning at Limit															
P278A	Kick Down Switch Circuit															
P278B	Kick Down Switch Circuit Range/Performance															
P278C	Kick Down Switch Circuit Low															
P278D	Kick Down Switch Circuit High															
P278E	Kick Down Switch Circuit Intermittent/Erratic															
P278F																

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P3405	Cylinder 1 Exhaust Valve Control Circuit																
P3406	Cylinder 1 Exhaust Valve Control Circuit Performance																
P3407	Cylinder 1 Exhaust Valve Control Circuit Low																
P3408	Cylinder 1 Exhaust Valve Control Circuit High																
P3409	Cylinder 2 Deactivation/Intake Valve Control Circuit / Open																
P3410	Cylinder 2 Deactivation/Intake Valve Control Circuit Performance																
P3411	Cylinder 2 Deactivation/Intake Valve Control Circuit Low																
P3412	Cylinder 2 Deactivation/Intake Valve Control Circuit High																
P3413	Cylinder 2 Exhaust Valve Control Circuit																
P3414	Cylinder 2 Exhaust Valve Control Circuit Performance																
P3415	Cylinder 2 Exhaust Valve Control Circuit Low																
P3416	Cylinder 2 Exhaust Valve Control Circuit High																
P3417	Cylinder 3 Deactivation/Intake Valve Control Circuit / Open																
P3418	Cylinder 3 Deactivation/Intake Valve Control Circuit Performance																
P3419	Cylinder 3 Deactivation/Intake Valve Control Circuit Low																
P3420	Cylinder 3 Deactivation/Intake Valve Control Circuit High																
P3421	Cylinder 3 Exhaust Valve Control Circuit																
P3422	Cylinder 3 Exhaust Valve Control Circuit Performance																
P3423	Cylinder 3 Exhaust Valve Control Circuit Low																
P3424	Cylinder 3 Exhaust Valve Control Circuit High																
P3425	Cylinder 4 Deactivation/Intake Valve Control Circuit / Open																
P3426	Cylinder 4 Deactivation/Intake Valve Control Circuit Performance																
P3427	Cylinder 4 Deactivation/Intake Valve Control Circuit Low																
P3428	Cylinder 4 Deactivation/Intake Valve Control Circuit High																
P3429	Cylinder 4 Exhaust Valve Control Circuit																
P3430	Cylinder 4 Exhaust Valve Control Circuit Performance																
P3431	Cylinder 4 Exhaust Valve Control Circuit Low																
P3432	Cylinder 4 Exhaust Valve Control Circuit High																
P3433	Cylinder 5 Deactivation/Intake Valve Control Circuit / Open																
P3434	Cylinder 5 Deactivation/Intake Valve Control Circuit Performance																
P3435	Cylinder 5 Deactivation/Intake Valve Control Circuit Low																
P3436	Cylinder 5 Deactivation/Intake Valve Control Circuit High																
P3437	Cylinder 5 Exhaust Valve Control Circuit																
P3438	Cylinder 5 Exhaust Valve Control Circuit Performance																
P3439	Cylinder 5 Exhaust Valve Control Circuit Low																
P3440	Cylinder 5 Exhaust Valve Control Circuit High																
P3441	Cylinder 6 Deactivation/Intake Valve Control Circuit / Open																
P3442	Cylinder 6 Deactivation/Intake Valve Control Circuit Performance																
P3443	Cylinder 6 Deactivation/Intake Valve Control Circuit Low																
P3444	Cylinder 6 Deactivation/Intake Valve Control Circuit High																
P3445	Cylinder 6 Exhaust Valve Control Circuit																
P3446	Cylinder 6 Exhaust Valve Control Circuit Performance																
P3447	Cylinder 6 Exhaust Valve Control Circuit Low																
P3448	Cylinder 6 Exhaust Valve Control Circuit High																
P3449	Cylinder 7 Deactivation/Intake Valve Control Circuit / Open																
P3450	Cylinder 7 Deactivation/Intake Valve Control Circuit Performance																
P3451	Cylinder 7 Deactivation/Intake Valve Control Circuit Low																
P3452	Cylinder 7 Deactivation/Intake Valve Control Circuit High																
P3453	Cylinder 7 Exhaust Valve Control Circuit																
P3454	Cylinder 7 Exhaust Valve Control Circuit Performance																
P3455	Cylinder 7 Exhaust Valve Control Circuit Low																
P3456	Cylinder 7 Exhaust Valve Control Circuit High																
P3457	Cylinder 8 Deactivation/Intake Valve Control Circuit / Open																
P3458	Cylinder 8 Deactivation/Intake Valve Control Circuit Performance																
P3459	Cylinder 8 Deactivation/Intake Valve Control Circuit Low																
P3460	Cylinder 8 Deactivation/Intake Valve Control Circuit High																
P3461	Cylinder 8 Exhaust Valve Control Circuit																
P3462	Cylinder 8 Exhaust Valve Control Circuit Performance																
P3463	Cylinder 8 Exhaust Valve Control Circuit Low																

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P3464	Cylinder 8 Exhaust Valve Control Circuit High															
P3465	Cylinder 9 Deactivation/Intake Valve Control Circuit / Open															
P3466	Cylinder 9 Deactivation/Intake Valve Control Circuit Performance															
P3467	Cylinder 9 Deactivation/Intake Valve Control Circuit Low															
P3468	Cylinder 9 Deactivation/Intake Valve Control Circuit High															
P3469	Cylinder 9 Exhaust Valve Control Circuit															
P3470	Cylinder 9 Exhaust Valve Control Circuit Performance															
P3471	Cylinder 9 Exhaust Valve Control Circuit Low															
P3472	Cylinder 9 Exhaust Valve Control Circuit High															
P3473	Cylinder 10 Deactivation/Intake Valve Control Circuit / Open															
P3474	Cylinder 10 Deactivation/Intake Valve Control Circuit Performance															
P3475	Cylinder 10 Deactivation/Intake Valve Control Circuit Low															
P3476	Cylinder 10 Deactivation/Intake Valve Control Circuit High															
P3477	Cylinder 10 Exhaust Valve Control Circuit															
P3478	Cylinder 10 Exhaust Valve Control Circuit Performance															
P3479	Cylinder 10 Exhaust Valve Control Circuit Low															
P3480	Cylinder 10 Exhaust Valve Control Circuit High															
P3481	Cylinder 11 Deactivation/Intake Valve Control Circuit / Open															
P3482	Cylinder 11 Deactivation/Intake Valve Control Circuit Performance															
P3483	Cylinder 11 Deactivation/Intake Valve Control Circuit Low															
P3484	Cylinder 11 Deactivation/Intake Valve Control Circuit High															
P3485	Cylinder 11 Exhaust Valve Control Circuit															
P3486	Cylinder 11 Exhaust Valve Control Circuit Performance															
P3487	Cylinder 11 Exhaust Valve Control Circuit Low															
P3488	Cylinder 11 Exhaust Valve Control Circuit High															
P3489	Cylinder 12 Deactivation/Intake Valve Control Circuit / Open															
P3490	Cylinder 12 Deactivation/Intake Valve Control Circuit Performance															
P3491	Cylinder 12 Deactivation/Intake Valve Control Circuit Low															
P3492	Cylinder 12 Deactivation/Intake Valve Control Circuit High															
P3493	Cylinder 12 Exhaust Valve Control Circuit															
P3494	Cylinder 12 Exhaust Valve Control Circuit Performance															
P3495	Cylinder 12 Exhaust Valve Control Circuit Low															
P3496	Cylinder 12 Exhaust Valve Control Circuit High															
P3497	Cylinder Deactivation System Bank 2															
P3498																
P3499																
GEM Module DTCs																
B1342	GEM Defective	G	g	g												
B1355	Ignition Run Circuit Open or Short To Ground			g	g											
B1359	Ignition Run/Acc Circuit Open Or Short To Ground	G	g	g												
B1365	Ignition Start Circuit Short To Battery	G	g	g												
P0500	Vehicle Speed Signal Not Detected	G														
B1483	Brake Pedal Input Circuit Failure	G	g	g												
B1485	Brake Pedal Input Short To Battery	G	g	g												
PATS System DTCs																
B1213	Less Than Two Keys Programmed to the PATS Control					D		M		E		D				
B1232	Antenna Not Connected															
B1342	ECU is Faulted					D		M								
B1600	No PATS Key Read by the PATS Control					D		M		E		D				
B1601	Unprogrammed PATS Key					D		M		E		D				
B1602	Partial PATS Key was Read					D		M		E		D				
B1681	PATS Transceiver Signal Is Not Being Received by the PATS Control					D				E		D				
B2103	Antenna Not Connected					D		M		E		D				
B2139	PCM_ID Does Not Match between PCM and PATS									E		D				
B2141	No-Volatile Memory Configuration Failure									E		D				
B2431	Key Programming Error					D		M		E		D				
P1260	Theft Detected, Vehicle Immobilized	G				D		J		E		U				

OBD-II Diagnostic Trouble Code Definitions		North America							Europe			Australia			SAE J1930 Component/ System and I/O Type		
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* = MIL illuminates, ^ = O/D Cancel flashes, + = ETC light illuminates, [] = assigned but not used																	
All DTCs preceded by P unless otherwise indicated. Capital and small letters are used for visual impact only! Mazda and Nissan DTCs are for reference. Ford P/T is not responsible for assigning these DTCs. Shading indicates change from previous version.		Continuous	KOEO	KOER	Continuous	KOEO	KOER	Continuous	KOEO	KOER		Continuous	KOEO	KOER	Continuous	KOEO	KOER
U1147	SCP (J1850) Invalid or Missing Data for Vehicle Security																
U2510	CAN - Invalid data for Vehicle Security																
Alternative Fuel Control Module DTCs																	
B1219	Fuel Tank Pressure Sensor Circuit	G															
B1220	Fuel Tank Pressure Sensor Circuit Open	G															
B1317	Battery Voltage High	G															
B1318	Battery Voltage Low	G															
U1011	SCP (J1850) Invalid or Missing Data for Engine Air Intake	G															
U1260	SCP (J1850) Single Ended (+) Circuit Failure	G															
U1261	SCP (J1850) Single Ended (-) Circuit Failure	G															
U1262	SCP (J1850) Communication Bus Fault	G															
4x4 Control Module DTCs																	
C1728	Transfer Case unable to transition between 2H and 4H	G															
C1729	Transfer Case unable to transition between 4H and 4L	G															
C1970	4x4 Low Mode Switch LED Short To Battery	G	g	g													
C1971	4x4 Low Mode Switch LED Circuit Failure	G	g	g													
C1979	IWE Solenoid Circuit Failure	G	g	g													
C1980	IWE Solenoid Short to Battery	G	g	g													
B1317	Battery Voltage High	G	g	g													
B1318	Battery Voltage Low	G	g	g													
B1319	Driver Door Ajar Circuit Failure	G															
B1322	Driver Door Ajar Circuit Short To Ground	G	g	g													
B1342	ECU Is Faulted	G	g	g													
B1355	Ignition Run Circuit Failure		g	g													
B1359	Ignition Run/Acc Circuit Failure		g	g													
B1483	Brake Pedal Input Circuit Failure	G	g	g													
B1485	Brake Pedal Input Circuit Battery Short		g	g													
B1555	Ignition Run/Start Circuit Failure	G	g	g													
B2105	Throttle Position Input Out of Range Low	G	g	g													
B2106	Throttle Position Input Out of Range High	G	g	g													
U1900	CAN Communication Bus Fault - Receive Error	G															
U1950	UBP Communication Bus Fault	G															
U2023	Fault Received From External Node	G															
U2051	One or More Calibration Files Missing / Corrupt																
U2306	UBP Invalid Data From Node ID \$60	G															
U2226	UBP Invalid Data From Node ID \$10	G															
Standalone Transmission Control Module DTCs																	
C1218	ABS Lamp Warning Out Circuit Failure																
C1222	Wheel Speed Mismatch				T												
C1233	Wheel Speed LF Input Signal Missing																
C1296	Wheel Speed LF Signal Fault				T												
C1297	Wheel Speed RF Signal Fault				T												
C1298	Wheel Speed RR Signal Fault				T												
C1299	Wheel Speed LR Signal Fault				T												
C1943	Airbag Deployment Indication Input Fault														D		
C1994	ESP Continuous Operation Fault														D		
Network - Electrical																	
U0001	High Speed CAN Communication Bus						D	d	d			E*			D		
U0002	High Speed CAN Communication Bus Performance				T*		D	d	d								

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U0003	High Speed CAN Communication Bus (+) Open															
U0004	High Speed CAN Communication Bus (+) Low															
U0005	High Speed CAN Communication Bus (+) High															
U0006	High Speed CAN Communication Bus (-) Open															
U0007	High Speed CAN Communication Bus (-) Low															
U0008	High Speed CAN Communication Bus (-) High															
U0009	High Speed CAN Communication Bus (-) shorted to Bus (+)															
U0010	Medium Speed CAN Communication Bus															
U0011	Medium Speed CAN Communication Bus Performance															
U0012	Medium Speed CAN Communication Bus (+) Open															
U0013	Medium Speed CAN Communication Bus (+) Low															
U0014	Medium Speed CAN Communication Bus (+) High															
U0015	Medium Speed CAN Communication Bus (-) Open															
U0016	Medium Speed CAN Communication Bus (-) Low															
U0017	Medium Speed CAN Communication Bus (-) High															
U0018	Medium Speed CAN Communication Bus (-) shorted to Bus (+)															
U0019	Low Speed CAN Communication Bus															
U0020	Low Speed CAN Communication Bus Performance															
U0021	Low Speed CAN Communication Bus (+) Open															
U0022	Low Speed CAN Communication Bus (+) Low															
U0023	Low Speed CAN Communication Bus (+) High															
U0024	Low Speed CAN Communication Bus (-) Open															
U0025	Low Speed CAN Communication Bus (-) Low															
U0026	Low Speed CAN Communication Bus (-) High															
U0027	Low Speed CAN Communication Bus (-) shorted to Bus (+)															
U0028	Vehicle Communication Bus A															
U0029	Vehicle Communication Bus A Performance															
U0030	Vehicle Communication Bus A (+) Open															
U0031	Vehicle Communication Bus A (+) Low															
U0032	Vehicle Communication Bus A (+) High															
U0033	Vehicle Communication Bus A (-) Open															
U0034	Vehicle Communication Bus A (-) Low															
U0035	Vehicle Communication Bus A (-) High															
U0036	Vehicle Communication Bus A (-) shorted to Bus A (+)															
U0037	Vehicle Communication Bus B															
U0038	Vehicle Communication Bus B Performance															
U0039	Vehicle Communication Bus B (+) Open															
U0040	Vehicle Communication Bus B (+) Low															
U0041	Vehicle Communication Bus B (+) High															
U0042	Vehicle Communication Bus B (-) Open															
U0043	Vehicle Communication Bus B (-) Low															
U0044	Vehicle Communication Bus B (-) High															
U0045	Vehicle Communication Bus B (-) shorted to Bus B (+)															
U0046	Vehicle Communication Bus C															
U0047	Vehicle Communication Bus C Performance															
U0048	Vehicle Communication Bus C (+) Open															
U0049	Vehicle Communication Bus C (+) Low															
U0050	Vehicle Communication Bus C (+) High															
U0051	Vehicle Communication Bus C (-) Open															
U0052	Vehicle Communication Bus C (-) Low															
U0053	Vehicle Communication Bus C (-) High															
U0054	Vehicle Communication Bus C (-) shorted to Bus C (+)															
U0055	Vehicle Communication Bus D															
U0056	Vehicle Communication Bus D Performance															
U0057	Vehicle Communication Bus D (+) Open															
U0058	Vehicle Communication Bus D (+) Low															
U0059	Vehicle Communication Bus D (+) High															
U0060	Vehicle Communication Bus D (-) Open															
U0061	Vehicle Communication Bus D (-) Low															

OBD-II Diagnostic Trouble Code Definitions		North America							Europe			Australia			SAE J1930 Component/ System and I/O Type		
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U0062	Vehicle Communication Bus D (-) High																
U0063	Vehicle Communication Bus D (-) shorted to Bus D (+)																
U0064	Vehicle Communication Bus E																
U0065	Vehicle Communication Bus E Performance																
U0066	Vehicle Communication Bus E (+) Open																
U0067	Vehicle Communication Bus E (+) Low																
U0068	Vehicle Communication Bus E (+) High																
U0069	Vehicle Communication Bus E (-) Open																
U0070	Vehicle Communication Bus E (-) Low																
U0071	Vehicle Communication Bus E (-) High																
U0072	Vehicle Communication Bus E (-) shorted to Bus E (+)																
U0073	Control Module Communication Bus Off				T*				M								
U0074																	
U0075																	
U0076																	
U0077																	
U0078																	
U0079																	
U0080																	
U0081																	
U0082																	
U0083																	
U0084																	
U0085																	
U0086																	
U0087																	
U0088																	
U0089																	
U0090																	
U0091																	
U0092																	
U0093																	
U0094																	
U0095																	
U0096																	
U0097																	
U0098																	
U0099																	
Network - Communication																	
U0100	Lost Communication With ECM / PCM A				T*		D*		M					D			ECM
U0101	Lost Communication with TCM	G					D	d	d	M*		E		D			TCM
U0102	Lost Communication with Transfer Case Control Module				T					M							TCCM
U0103	Lost Communication With Gear Shift Module A																GSM
U0104	Lost Communication With Cruise Control Module																CCM
U0105	Lost Communication With Fuel Injector Control Module						D	d	d								FICM
U0106	Lost Communication With Glow Plug Control Module																GPCM
U0107	Lost Communication With Throttle Actuator Control Module																TACM
U0108	Lost Communication With Alternative Fuel Control Module	G*										E*					AFCM
U0109	Lost Communication With Fuel Pump Control Module																FPCM
U0110	Lost Communication With Drive Motor Control Module A																DMCM
U0111	Lost Communication With Battery Energy Control Module A	G			T												BECM
U0112	Lost Communication With Battery Energy Control Module B																BECM
U0113	Lost Communication With Emissions Critical Control Information																
U0114	Lost Communication with Four-Wheel Drive Clutch Control Module									M							
U0115	Lost Communication With ECM / PCM B																
U0116	Lost Communication With Coolant Temperature Control Module																
U0117	Lost Communication With Electrical PTO Control Module																
U0118	Lost Communication With Fuel Additive Control Module																
U0119	Lost Communication With Fuel Cell Control Module																

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U0120	Lost Communication With Starter / Generator Control Module																			
U0121	Lost Communication With Anti-Lock Brake System (ABS) Control Module				T					M*				E*			D			ABSCM
U0122	Lost Communication With Vehicle Dynamics Control Module									M*				E†						VDCM
U0123	Lost Communication With Yaw Rate Sensor Module									M*										YRS
U0124	Lost Communication With Lateral Acceleration Sensor Module																			LAS
U0125	Lost Communication With Multi-axis Acceleration Sensor Module																			MAS
U0126	Lost Communication With Steering Angle Sensor Module									M										SAS
U0127	Lost Communication With Tire Pressure Monitor Module																			TPM
U0128	Lost Communication With Park Brake Control Module																			PBCM
U0129	Lost Communication With Brake System Control Module	G			T															BSCM
U0130	Lost Communication With Steering Effort Control Module																			SECM
U0131	Lost Communication With Power Steering Control Module									M										PSCM
U0132	Lost Communication With Ride Level Control Module																			RLCM
U0133	Lost Communication With Active Roll Control Module																			
U0134	Lost Communication With Power Steering Control Module - Rear																			
U0135	Lost Communication With Differential Control Module - Front																			
U0136	Lost Communication With Differential Control Module - Rear																			
U0137	Lost Communication With Trailer Brake Control Module																			
U0138	Lost Communication with All Terrain Control Module																			
U0139																				
U0140	Lost Communication With Body Control Module																			BCM
U0141	Lost Communication With Body Control Module "A"																			BCM
U0142	Lost Communication With Body Control Module "B"																			BCM
U0143	Lost Communication With Body Control Module "C"																			BCM
U0144	Lost Communication With Body Control Module "D"																			BCM
U0145	Lost Communication With Body Control Module "E"																			BCM
U0146	Lost Communication With Gateway "A"																			
U0147	Lost Communication With Gateway "B"																			
U0148	Lost Communication With Gateway "C"																			
U0149	Lost Communication With Gateway "D"																			
U0150	Lost Communication With Gateway "E"																			
U0151	Lost Communication With Restraints Control Module																			RCM
U0152	Lost Communication With Side Restraints Control Module - Left																			SRCM - Left
U0153	Lost Communication With Side Restraints Control Module - Right																			SRCM - Right
U0154	Lost Communication with Restraints Occupant Classification System Module																			ROSCM
U0155	Lost Communication With Instrument Panel Cluster (IPC) Control Module	G*			T					M*			E			D				IPCCM
U0156	Lost Communication With Information Center "A"																			
U0157	Lost Communication With Information Center "B"																			
U0158	Lost Communication With Head Up Display																			HUD
U0159	Lost Communication With Parking Assist Control Module A																			PACM
U0160	Lost Communication With Audible Alert Control Module																			AACM
U0161	Lost Communication With Compass Module																			
U0162	Lost Communication With Navigation Display Module																			NDM
U0163	Lost Communication With Navigation Control Module																			NCM
U0164	Lost Communication With HVAC Control Module																			HVACCM
U0165	Lost Communication With HVAC Control Module - Rear																			HVACCM Rear
U0166	Lost Communication With Auxiliary Heater Control Module																			AHCM
U0167	Lost Communication With Vehicle Immobilizer Control Module																			VICM
U0168	Lost Communication With Vehicle Security Control Module																			VSCM
U0169	Lost Communication With Sunroof Control Module																			SCM
U0170	Lost Communication With "Restraints System Sensor A"																			
U0171	Lost Communication With "Restraints System Sensor B"																			
U0172	Lost Communication With "Restraints System Sensor C"																			
U0173	Lost Communication With "Restraints System Sensor D"																			
U0174	Lost Communication With "Restraints System Sensor E"																			
U0175	Lost Communication With "Restraints System Sensor F"																			
U0176	Lost Communication With "Restraints System Sensor G"																			
U0177	Lost Communication With "Restraints System Sensor H"																			
U0178	Lost Communication With "Restraints System Sensor I"																			

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U0179	Lost Communication With "Restraints System Sensor J"																		
U017A	Lost Communication With "Restraints System Sensor K"																		
U017B	Lost Communication With "Restraints System Sensor L"																		
U017C	Lost Communication With "Restraints System Sensor M"																		
U017D	Lost Communication With "Restraints System Sensor N"																		
U017E																			
U017F																			
U0180	Lost Communication With Automatic Lighting Control Module																		
U0181	Lost Communication With Headlamp Leveling Control Module																		
U0182	Lost Communication With Lighting Control Module - Front																		
U0183	Lost Communication With Lighting Control Module - Rear																		
U0184	Lost Communication With Radio																		
U0185	Lost Communication With Antenna Control Module																		
U0186	Lost Communication With Audio Amplifier																		
U0187	Lost Communication With Digital Disc Player/Changer Module A																		
U0188	Lost Communication With Digital Disc Player/Changer Module B																		
U0189	Lost Communication With Digital Disc Player/Changer Module C																		
U0190	Lost Communication With Digital Disc Player/Changer Module D																		
U0191	Lost Communication With Television																		
U0192	Lost Communication With Personal Computer																		
U0193	Lost Communication With Digital Audio Control Module A																		
U0194	Lost Communication With "Digital Audio Control Module B																		
U0195	Lost Communication With Subscription Entertainment Receiver Module																		
U0196	Lost Communication With Entertainment Control Module - Rear A																		
U0197	Lost Communication With Telephone Control Module																		
U0198	Lost Communication With Telematic Control Module																		
U0199	Lost Communication With Door Control Module A																		
U0200	Lost Communication With Door Control Module B																		
U0201	Lost Communication With Door Control Module C																		
U0202	Lost Communication With Door Control Module D																		
U0203	Lost Communication With Door Control Module E																		
U0204	Lost Communication With Door Control Module F																		
U0205	Lost Communication With Door Control Module G																		
U0206	Lost Communication With Folding Top Control Module																		
U0207	Lost Communication With Moveable Roof Control Module																		
U0208	Lost Communication With Seat Control Module A																		
U0209	Lost Communication With Seat Control Module B																		
U0210	Lost Communication With Seat Control Module C																		
U0211	Lost Communication With Seat Control Module D																		
U0212	Lost Communication With Steering Column Control Module																		
U0213	Lost Communication With Mirror Control Module A																		
U0214	Lost Communication With Remote Function Actuation																		
U0215	Lost Communication With Door Switch A																		
U0216	Lost Communication With Door Switch B																		
U0217	Lost Communication With Door Switch C																		
U0218	Lost Communication With Door Switch D																		
U0219	Lost Communication With Door Switch E																		
U0220	Lost Communication With Door Switch F																		
U0221	Lost Communication With Door Switch G																		
U0222	Lost Communication With Door Window Motor A																		
U0223	Lost Communication With Door Window Motor B																		
U0224	Lost Communication With Door Window Motor C																		
U0225	Lost Communication With Door Window Motor D																		
U0226	Lost Communication With Door Window Motor E																		
U0227	Lost Communication With Door Window Motor F																		
U0228	Lost Communication With Door Window Motor G																		
U0229	Lost Communication With Heated Steering Wheel Module																		
U0230	Lost Communication With Rear Gate Module																		
U0231	Lost Communication With Rain Sensing Module																		

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U0232	Lost Communication With Side Obstacle Detection Control Module - Left															
U0233	Lost Communication With Side Obstacle Detection Control Module - Right															
U0234	Lost Communication With Convenience Recall Module															
U0235	Lost Communication With Cruise Control Front Distance Range Sensor															
U0236	Lost Communication With Column Lock Module															
U0237	Lost Communication With Digital Audio Control Module C															
U0238	Lost Communication With Digital Audio Control Module D															
U0239	Lost Communication With Entrapment Control Module A															
U0240	Lost Communication With Entrapment Control Module B															
U0241	Lost Communication With Headlamp Control Module A															
U0242	Lost Communication With Headlamp Control Module B															
U0243	Lost Communication With Parking Assist Control Module B															
U0244	Lost Communication With Running Board Control Module A															
U0245	Lost Communication With Entertainment Control Module - Front															
U0246	Lost Communication With Seat Control Module E															
U0247	Lost Communication With Seat Control Module F															
U0248	Lost Communication with Remote Accessory Module															
U0249	Lost Communication With Entertainment Control Module - Rear B															
U0250	Lost Communication With Impact Classification System Module															
U0251	Lost Communication With Running Board Control Module B															
U0252																
U0253																
U0254																
U0255																
U0256																
U0257																
U0258																
U0259																
U0260																
U0261																
U0262																
U0263																
U0264																
U0265																
U0266																
U0267																
U0268																
U0269																
U0270																
U0271																
U0272																
U0273																
U0274																
U0275																
U0276																
U0277																
U0278																
U0279																
U0280																
U0281																
U0282																
U0283																
U0284																
U0285																
U0286																
U0287																
U0288																
U0289																
U0290																

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U0291	Lost Communication With Gear Shift Module B															
U0292	Lost Communication With Drive Motor Control Module B															
U0293	Lost Communication with Hybrid Powertrain Control Module															
U0294	Lost Communication with Powertrain Control Monitor Module				T											
U0295	Lost Communication with AC to AC Converter Control Module															
U0296	Lost Communication with AC to DC Converter Control Module A															
U0297	Lost Communication with AC to DC Converter Control Module B															
U0298	Lost Communication with DC to DC Converter Control Module A															
U0299	Lost Communication with DC to DC Converter Control Module B															
	Network - Software Incompatibility															
U0300	Internal Control Module Software Incompatibility	G	g	g												
U0301	Software Incompatibility with Engine/Powertrain Control Module				T											
U0302	Software Incompatibility with Transmission Control Module						D	d	d	M						
U0303	Software Incompatibility with Transfer Case Control Module															
U0304	Software Incompatibility with Gear Shift Control Module															
U0305	Software Incompatibility with Cruise Control Module															
U0306	Software Incompatibility with Fuel Injector Control Module						D	d	d							
U0307	Software Incompatibility with Glow Plug Control Module															
U0308	Software Incompatibility with Throttle Actuator Control Module															
U0309	Software Incompatibility with Alternative Fuel Control Module	G*														
U0310	Software Incompatibility with Fuel Pump Control Module															
U0311	Software Incompatibility with Drive Motor Control Module															
U0312	Software Incompatibility with Battery Energy Control Module A															
U0313	Software Incompatibility with Battery Energy Control Module B															
U0314	Software Incompatibility with Four-Wheel Drive Clutch Control Module															
U0315	Software Incompatibility with Anti-Lock Brake System Control Module															
U0316	Software Incompatibility with Vehicle Dynamics Control Module															
U0317	Software Incompatibility with Park Brake Control Module															
U0318	Software Incompatibility with Brake System Control Module															
U0319	Software Incompatibility with Steering Effort Control Module															
U0320	Software Incompatibility with Power Steering Control Module															
U0321	Software Incompatibility with Ride Level Control Module															
U0322	Software Incompatibility with Body Control Module															
U0323	Software Incompatibility with Instrument Panel Control Module															
U0324	Software Incompatibility with HVAC Control Module															
U0325	Software Incompatibility with Auxiliary Heater Control Module															
U0326	Software Incompatibility with Vehicle Immobilizer Control Module															
U0327	Software Incompatibility with Vehicle Security Control Module															
U0328	Software Incompatibility with Steering Angle Sensor Module															
U0329	Software Incompatibility with Steering Column Control Module															
U0330	Software Incompatibility with Tire Pressure Monitor Module															
U0331	Software Incompatibility with Body Control Module A															
U0332	Software Incompatibility with Multi-axis Acceleration Sensor Module															
	Network - Data															
U0400	Invalid Network Data Received															
U0401	Invalid Data Received from Engine/Powertrain Control Module				T											
U0402	Invalid Data Received from Transmission Control Module															
U0403	Invalid Data Received from Transfer Case Control Module															
U0404	Invalid Data Received from Gear Shift Control Module															
U0405	Invalid Data Received from Cruise Control Module												D			
U0406	Invalid Data Received from Fuel Injector Control Module															
U0407	Invalid Data Received from Glow Plug Control Module															
U0408	Invalid Data Received from Throttle Actuator Control Module															
U0409	Invalid Data Received from Alternative Fuel Control Module									E*						
U0410	Invalid Data Received from Fuel Pump Control Module															
U0411	Invalid Data Received from Drive Motor Control Module															

OBD-II Diagnostic Trouble Code Definitions		North America							Europe			Australia			SAE J1930 Component/ System and I/O Type	
Chart indicates design-responsible software activity which implemented DTC. G=North American spark ignition PCM, T = North American standalone TCM, D=North American diesel PCM, E= Europe, N=Nissan, J=Jaguar, U=Australian. Spark Ignition PCM includes: Gasoline, FFV, NGV, LPG and bi-fuel conversions.		Spark Ignition PCM			Standalone TCM						Spark Ignition			Spark Ignition		
* = MIL illuminates, ^ = O/D Cancel flashes, + = ETC light illuminates, [] = assigned but not used																
All DTCs preceded by P unless otherwise indicated. Capital and small letters are used for visual impact only! Mazda and Nissan DTCs are for reference. Ford P/T is not responsible for assigning these DTCs. Shading indicates change from previous version.		Continuous	KOEO	KOER	Continuous	KOEO	KOER	Continuous	KOEO	KOER	Continuous	KOEO	KOER	Continuous	KOEO	KOER
U0412	Invalid Data Received from Battery Energy Control Module A															
U0413	Invalid Data Received from Battery Energy Control Module B															
U0414	Invalid Data Received from Four-Wheel Drive Clutch Control Module															
U0415	Invalid Data Received from Anti-Lock Brake System Control Module				T*											
U0416	Invalid Data Received from Vehicle Dynamics Control Module															
U0417	Invalid Data Received from Park Brake Control Module															
U0418	Invalid Data Received from Brake System Control Module	G														
U0419	Invalid Data Received from Steering Effort Control Module															
U0420	Invalid Data Received from Power Steering Control Module															
U0421	Invalid Data Received from Ride Level Control Module															
U0422	Invalid Data Received from Body Control Module															
U0423	Invalid Data Received from Instrument Panel Control Module															
U0424	Invalid Data Received from HVAC Control Module															
U0425	Invalid Data Received from Auxiliary Heater Control Module															
U0426	Invalid Data Received from Vehicle Immobilizer Control Module															
U0427	Invalid Data Received from Vehicle Security Control Module															
U0428	Invalid Data Received from Steering Angle Sensor Module															
U0429	Invalid Data Received from Steering Column Control Module															
U0430	Invalid Data Received from Tire Pressure Monitor Module															
U0431	Invalid Data Received from Body Control Module A															
U0432	Invalid Data Received from Multi-axis Acceleration Sensor Module															
U0433	Invalid Data Received from Cruise Control Front Distance Range Sensor															
U0434																
U0435																
U0436																
U0437																
U0438																
U0439																
U0440																
U0441																
U0442																
U0443																
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