

Annex B
(normative)
Sistemi Controllo Motore – codici difetti

B.1 P00XX Misurazione aria e carburante e controllo emissioni ausiliari

Table B.1 — P00XX Misurazione aria e carburante e controllo emissioni ausiliari

DTC number	DTC naming	Location
P0001	Circuito Controllo Regolatore Carburante - aperto	
P0002	Circuito Controllo Regolatore Carburante - Range/Prestazioni	
P0003	Circuito Controllo Regolatore Carburante - basso	
P0004	Circuito Controllo Regolatore Carburante - alto	
P0005	Circuito Controllo Valvola Interruzione Carburante - aperto	
P0006	Circuito Controllo Valvola Interruzione Carburante - basso	
P0007	Circuito Controllo Valvola Interruzione Carburante - alto	
P0008	Prestazione Sistema Posizione Motore	Bank 1
P0009	Engine Position System Performance	Bank 2
	a) "A" – Albero a camme Aspirazioni "B" – Albero a camme Scarico	
P0010 ^a	"A" Posizione albero a camme – circuito attuatore	Bank 1
P0011 ^{a)}	"A" Avanzamento albero camme – anticipato o prestazione sistema	Bank 1
P0012 ^{a)}	"A" Avanzamento albero camme – ritardato	Bank 1
P0013 ^{b)}	"B" Posizione albero camme – circuito attuatore	Bank 1
P0014 ^{b)}	"B" Avanzamento albero camme – anticipato o prestazione sistema	Bank 1
P0015 ^{b)}	"B" Avanzamento albero camme – ritardato	Bank 1
P0016	Correlazione posizione fra albero a camme e albero a gomiti	Bank 1 Sensor A
P0017	Correlazione posizione fra albero a camme e albero a gomiti	Bank 1 Sensor B
P0018	Correlazione posizione fra albero a camme e albero a gomiti	Bank 2 Sensor A
P0019	Correlazione posizione fra albero a camme e albero a gomiti	Bank 2 Sensor B
P0020 ^{a)}	"A" Posizione albero camme – circuito attuatore	Bank 2
P0021 ^{a)}	"A" Avanzamento albero camme – anticipato o prestazione sistema	Bank 2
P0022 ^{a)}	"A" Avanzamento albero camme – ritardato	Bank 2

DTC number	DTC naming	Location
P0023 ^{b)}	"B" Posizione albero a camme – circuito attuatore	Bank 2
P0024 ^{b)}	"B" Avanzamento albero camme – anticipato o prestazione sistema	Bank 2
P0025 ^{b)}	"B" Avanzamento albero camme – ritardato	Bank 2
P0026	Circuito Solenoide Valvola Aspirazione - Range/Prestazioni	Bank 1
P0027	Circuito Solenoide Valvola Scarico - Range/Prestazioni	Bank 1
P0028	Circuito Solenoide Valvola Aspirazione - Range/Prestazioni	Bank 2
P0029	Circuito Solenoide Valvola Scarico - Range/Prestazioni	Bank 2
P0030	HO2S Circuito controllo riscaldatore	Bank 1 Sensor 1
P0031	HO2S Circuito controllo riscaldatore - valore basso	Bank 1 Sensor 1
P0032	HO2S Circuito controllo riscaldatore - valore alto	Bank 1 Sensor 1
P0033	Valvola bypass carica turbo – circuito di controllo	
P0034	Valvola bypass carica turbo – circuito di controllo valore basso	
P0035	Valvola bypass carica turbo – circuito di controllo valore alto	
P0036	HO2S Circuito controllo riscaldatore	Bank 1 Sensor 2
P0037	HO2S Circuito controllo riscaldatore – valore basso	Bank 1 Sensor 2
P0038	HO2S Circuito controllo riscaldatore – valore alto	Bank 1 Sensor 2
P0039	Circuito Controllo Valvola Bypass Turbo/Super Carica - Range/Prestazioni	
P0040	Segnali Sensori Ossigeno Scambiati - Bank 1 Sensor 1/ Bank 2 Sensor 1	
P0041	Segnali Sensori Ossigeno Scambiati - Bank 1 Sensor 2/ Bank 2 Sensor 2	
P0042	HO2S Circuito controllo riscaldatore	Bank 1 Sensor 3
P0043	HO2S Circuito controllo riscaldatore – valore basso	Bank 1 Sensor 3
P0044	HO2S Circuito controllo riscaldatore – valore alto	Bank 1 Sensor 3
P0045	Circuito Controllo Solenoide Boost Turbocompressore - aperto	
P0046	Circuito Controllo Solenoide Boost Turbocompressore - Range/Prestazioni	
P0047	Circuito Controllo Solenoide Boost Turbocompressore - basso	
P0048	Circuito Controllo Solenoide Boost Turbocompressore - alto	
P0049	Fuori Giri Turbina Turbocompressore	
P0050	HO2S Circuito controllo riscaldatore	Bank 2 Sensor 1
P0051	HO2S Circuito controllo riscaldatore – valore basso	Bank 2 Sensor 1
P0052	HO2S Circuito controllo riscaldatore – valore alto	Bank 2 Sensor 1
P0053	HO2S Resistenza Riscaldatore	Bank 1 Sensor 1
P0054	HO2S Resistenza Riscaldatore	Bank 1 Sensor 2
P0055	HO2S Resistenza Riscaldatore	Bank 1 Sensor 3
P0056	HO2S Circuito controllo riscaldatore	Bank 2 Sensor 2
P0057	HO2S Circuito controllo riscaldatore – valore basso	Bank 2 Sensor 2

DTC number	DTC naming	Location
P0058	HO2S Circuito controllo riscaldatore – valore alto	Bank 2 Sensor 2
P0059	HO2S Resistenza riscaldatore	Bank 2 Sensor 1
P0060	HO2S Resistenza riscaldatore	Bank 2 Sensor 2
P0061	HO2S Resistenza riscaldatore	Bank 2 Sensor 3
P0062	HO2S Circuito controllo riscaldatore	Bank 2 Sensor 3
P0063	HO2S Circuito controllo riscaldatore – valore basso	Bank 2 Sensor 3
P0064	HO2S Circuito controllo riscaldatore – valore alto	Bank 2 Sensor 3
P0065	Iniettore ad aria – Range o Prestazioni	
P0066	Iniettore ad aria - Circuito controllo segnale basso	
P0067	Iniettore ad aria - Circuito controllo segnale alto	
P0068	MAP/MAF – Correlazione Posizione Farfalla	
P0069	Correlazione Pressione Barometrica – Pressione Assoluta	
P0070	Circuito sensore temperatura aria ambiente	
P0071	Sensore temperatura aria ambiente – Range/Prestazioni	
P0072	Circuito sensore temperatura aria ambiente – segnale basso	
P0073	Circuito sensore temperatura aria ambiente – segnale alto	
P0074	Circuito sensore temperatura aria ambiente – segnale intermittente	
P0075	Circuito solenoide controllo aspirazione	Bank 1
P0076	Circuito solenoide controllo aspirazione – segnale basso	Bank 1
P0077	Circuito solenoide controllo aspirazione – segnale alto	Bank 1
P0078	Circuito solenoide controllo scarico	Bank 1
P0079	Circuito solenoide controllo scarico – segnale basso	Bank 1
P0080	Circuito solenoide controllo scarico – segnale alto	Bank 1
P0081	Circuito solenoide controllo aspirazione	Bank 2
P0082	Circuito solenoide controllo aspirazione – segnale basso	Bank 2
P0083	Circuito solenoide controllo aspirazione – segnale alto	Bank 2
P0084	Circuito solenoide controllo scarico	Bank 2
P0085	Circuito solenoide controllo scarico – segnale basso	Bank 2

DTC number	DTC naming	Location
P0086	Circuito solenoide controllo scarico – segnale alto	Bank 2
P0087	Pressione sistema carburante – troppo basso	
P0088	Pressione sistema carburante – troppo alto	
P0089	Prestazione Regolatore Pressione Carburante	
P0090	Circuito Controllo Regolatore Pressione Carburante	
P0091	Circuito Controllo Regolatore Pressione Carburante – segnale basso	
P0092	Circuito Controllo Regolatore Pressione Carburante – segnale alto	
P0093	Rilevata Perdita Sistema Carburante – grande perdita	
P0094	Rilevata Perdita Sistema Carburante piccola perdita	
P0095	Circuito Sensore 2 Temperatura Aria Aspirata	
P0096	Circuito Sensore 2 Temperatura Aria Aspirata - Range/Prestazioni	
P0097	Circuito Sensore 2 Temperatura Aria Aspirata - basso	
P0098	Circuito Sensore 2 Temperatura Aria Aspirata - alto	
P0099	Circuito Sensore 2 Temperatura Aria Aspirata - intermittente	
<p>a) The "A" camshaft shall be either the "intake," "left," or "front" camshaft. Left/Right and Front/Rear are determined as if viewed from the driver's seating position. Bank 1 contains cylinder number one, Bank 2 is the opposite bank.</p> <p>b) The "B" camshaft shall be either the "exhaust," "right," or "rear" camshaft. Left/Right and Front/Rear are determined as if viewed from the driver's seating position. Bank 1 contains cylinder number one, Bank 2 is the opposite bank.</p>		

B.2 P01XX Misurazione aria e carburante

Table B.2 — P01XX Misurazione aria e carburante

DTC number	DTC naming	Location
P0100	Circuito misurazione Massa o Volume Portata Aria	
P0101	Circuito misurazione Massa o Volume Portata Aria – Range/Prestazioni	
P0102	Circuito misurazione Massa o Volume Portata Aria – segnale basso	
P0103	Circuito misurazione Massa o Volume Portata Aria – segnale alto	
P0104	Circuito misurazione Massa o Volume Portata Aria – segnale intermittente	
P0105	Pressione Assoluta Collettore – Circuito Pressione Barometrica	
P0106	Pressione Assoluta Collettore – Circuito Pressione Barometrica - Range/Prestazioni	
P0107	Pressione Assoluta Collettore – Circuito Pressione Barometrica - Basso	
P0108	Pressione Assoluta Collettore – Circuito Pressione Barometrica - Alto	
P0109	Pressione Assoluta Collettore – Circuito Pressione Barometrica - Intermittente	

DTC number	DTC naming	Location
P0110	Circuito Temperatura Aria Aspirazione	
P0111	Circuito Temperatura Aria Aspirazione – Range/Prestazioni	
P0112	Circuito Temperatura Aria Aspirazione – segnale in entrata basso	
P0113	Circuito Temperatura Aria Aspirazione – segnale in entrata alto	
P0114	Circuito Temperatura Aria Aspirazione – segnale intermittente	
P0115	Circuito Temperatura Refrigerante Motore	
P0116	Circuito Temperatura Refrigerante Motore – Range/Prestazioni	
P0117	Circuito Temperatura Refrigerante Motore – segnale in entrata basso	
P0118	Circuito Temperatura Refrigerante Motore – segnale in entrata alto	
P0119	Circuito Temperatura Refrigerante Motore – segnale intermittente	
P0120	Circuito A Sensore Posizione Pedale/Farfalla	
P0121	Circuito A Sensore Posizione Pedale/Farfalla – Range/Prestazioni	
P0122	Circuito A Sensore Posizione Pedale/Farfalla – segnale in entrata basso	
P0123	Circuito A Sensore Posizione Pedale/Farfalla – segnale in entrata alto	
P0124	Circuito A Sensore Posizione Pedale/Farfalla – segnale intermittente	
P0125	Temperatura Refrigerante insufficiente per Controllo Carburante Closed Loop	
P0126	Temperatura Refrigerante insufficiente per funzionamento stabile	
P0127	Temperatura aria aspirazione troppo alta	
P0128	Termostato (temperatura al di sotto della regolazione termostato)	
P0129	Pressione Barometrica troppo bassa	
P0130	O2 Circuito Sonda lambda	Bank 1 Sensor 1
P0131	O2 Circuito Sonda lambda tensione bassa	Bank 1 Sensor 1
P0132	O2 Circuito Sonda lambda tensione alta	Bank 1 Sensor 1
P0133	O2 Circuito Sonda lambda risposta lenta	Bank 1 Sensor 1
P0134	O2 Circuito Sonda lambda non attivo	Bank 1 Sensor 1
P0135	O2 Sonda lambda circuito riscaldatore	Bank 1 Sensor 1
P0136	O2 Circuito Sonda malfunzionamento	Bank 1 Sensor 2
P0137	O2 Circuito Sonda lambda tensione bassa	Bank 1 Sensor 2
P0138	O2 Circuito Sonda lambda tensione alta	Bank 1 Sensor 2
P0139	O2 Circuito Sonda lambda risposta lenta	Bank 1 Sensor 2
P0140	O2 Circuito Sonda lambda non attivo	Bank 1 Sensor 2
P0141	O2 Sonda lambda circuito riscaldatore	Bank 1 Sensor 2
P0142	O2 Circuito Sonda lambda malfunzionamento	Bank 1 Sensor 3
P0143	O2 Circuito Sonda lambda tensione bassa	Bank 1 Sensor 3
P0144	O2 Circuito Sonda lambda tensione alta	Bank 1 Sensor 3
P0145	O2 Circuito Sonda lambda risposta lenta	Bank 1 Sensor 3
P0146	O2 Circuito Sonda lambda non attiva	Bank 1 Sensor 3

DTC number	DTC naming	Location
P0147	O2 Sonda lambda circuito riscaldatore	Bank 1 Sensor 3
P0148	Errore distribuzione carburante	
P0149	Errore temporizzazione carburante	
P0150	O2 Circuito Sonda lambda	Bank 2 Sensor 1
P0151	O2 Circuito Sonda lambda tensione bassa	Bank 2 Sensor 1
P0152	O2 Circuito Sonda lambda tensione alta	Bank 2 Sensor 1
P0153	O2 Circuito Sonda lambda risposta lenta	Bank 2 Sensor 1
P0154	O2 Circuito Sonda lambda non attivo	Bank 2 Sensor 1
P0155	O2 Sonda lambda circuito riscaldatore	Bank 2 Sensor 1
P0156	O2 Circuito Sonda lambda malfunzionamento	Bank 2 Sensor 2
P0157	O2 Circuito Sonda lambda tensione bassa	Bank 2 Sensor 2
P0158	O2 Circuito Sonda lambda tensione alta	Bank 2 Sensor 2
P0159	O2 Circuito Sonda lambda risposta lenta	Bank 2 Sensor 2
P0160	O2 Circuito Sonda lambda non attivo	Bank 2 Sensor 2
P0161	O2 Sonda lambda circuito riscaldatore	Bank 2 Sensor 2
P0162	O2 Sonda lambda malfunzionamento	Bank 2 Sensor 3
P0163	O2 Sonda lambda tensione bassa	Bank 2 Sensor 3
P0164	O2 Sonda lambda tensione alta	Bank 2 Sensor 3
P0165	O2 Sonda lambda risposta lenta	Bank 2 Sensor 3
P0166	O2 Sonda lambda non attiva	Bank 2 Sensor 3
P0167	O2 Sonda lambda circuito riscaldatore	Bank 2 Sensor 3
P0168	Temperatura carburante troppo alta	
P0169	Composizione carburante non corretta	
P0170	Trimmer carburante	Bank 1
P0171	Carburazione povera	Bank 1
P0172	Carburazione ricca	Bank 1
P0173	Trimmer carburante - malfunzionamento	Bank 2
P0174	Carburazione povera	Bank 2
P0175	Carburazione ricca	Bank 2
P0176	Circuito Sensore Composizione Carburante	
P0177	Circuito Sensore Composizione Carburante – Range/Prestazioni	
P0178	Circuito Sensore Composizione Carburante – segnale basso	
P0179	Circuito Sensore Composizione Carburante – segnale alto	
P0180	Circuito “A” Sensore Temperatura Carburante	
P0181	Circuito “A” Sensore Temperatura Carburante – Range/Prestazioni	

DTC number	DTC naming	Location
P0182	Circuito "A" Sensore Temperatura Carburante – segnale in entrata basso	
P0183	Circuito "A" Sensore Temperatura Carburante – segnale in entrata alto	
P0184	Circuito "A" Sensore Temperatura Carburante – segnale intermittente	
P0185	Circuito "B" Sensore Temperatura Carburante	
P0186	Circuito "B" Sensore Temperatura Carburante – Range/Prestazioni	
P0187	Circuito "B" Sensore Temperatura Carburante – segnale in entrata basso	
P0188	Circuito "B" Sensore Temperatura Carburante – segnale in entrata alto	
P0189	Circuito "B" Sensore Temperatura Carburante – segnale intermittente	
P0190	Circuito Sensore Pressione Rail Carburante	
P0191	Circuito Sensore Pressione Rail Carburante – Range/Prestazioni	
P0192	Circuito Sensore Pressione Rail Carburante – segnale in entrata basso	
P0193	Circuito Sensore Pressione Rail Carburante – segnale in entrata alto	
P0194	Circuito Sensore Pressione Rail Carburante – segnale intermittente	
P0195	Circuito Sensore Temperatura Olio Motore	
P0196	Circuito Sensore Temperatura Olio Motore - Range/Prestazioni	
P0197	Circuito Sensore Temperatura Olio Motore – segnale in entrata basso	
P0198	Circuito Sensore Temperatura Olio Motore – segnale in entrata alto	
P0199	Circuito Sensore Temperatura Olio Motore – segnale intermittente	

B.3 P02XX Misurazione aria e carburante

Table B.3 — P02XX Misurazione aria e carburante

DTC number	DTC naming	Location
P0200	Circuito iniettore/aperto	
P0201	Cilindro 1 – Circuito iniettore/aperto	
P0202	Cilindro 2 – Circuito iniettore/aperto	
P0203	Cilindro 3 – Circuito iniettore/aperto	
P0204	Cilindro 4 – Circuito iniettore/aperto	
P0205	Cilindro 5 – Circuito iniettore/aperto	
P0206	Cilindro 6 – Circuito iniettore/aperto	
P0207	Cilindro 7 – Circuito iniettore/aperto	
P0208	Cilindro 8 – Circuito iniettore/aperto	
P0209	Cilindro 9 – Circuito iniettore/aperto	
P0210	Cilindro 10 – Circuito iniettore/aperto	
P0211	Cilindro 11 – Circuito iniettore/aperto	
P0212	Cilindro 12 – Circuito iniettore/aperto	

DTC number	DTC naming	Location
P0213	Iniettore 1 Avviamento a freddo	
P0214	Iniettore 2 Avviamento a freddo	
P0215	Solenoide spegnimento motore	
P0216	Circuito sincronizzazione iniezione/iniettori	
P0217	Condizione Sovratemperatura Refrigerante Motore	
P0218	Condizione Sovratemperatura Fluido Trasmissione	
P0219	Condizione di fuori giri motore	
P0220	Circuito "B" Sensore Posizione Pedale/ Farfalla	
P0221	Circuito "B" Sensore Posizione Pedale/Farfalla - Range/Prestazioni	
P0222	Circuito "B" Sensore Posizione Pedale/Farfalla – segnale in entrata basso	
P0223	Circuito "B" Sensore Posizione Pedale/Farfalla – segnale in entrata alto	
P0224	Circuito "B" Sensore Posizione Pedale/Farfalla – segnale intermittente	
P0225	Circuito "C" Sensore Posizione Pedale/Farfalla	
P0226	Circuito "C" Sensore Posizione Pedale/Farfalla - Range/Prestazioni	
P0227	Circuito "C" Sensore Posizione Pedale/Farfalla – segnale in entrata basso	
P0228	Circuito "C" Sensore Posizione Pedale/Farfalla – segnale in entrata alto	
P0229	Circuito "C" Sensore Posizione Pedale/Farfalla – segnale intermittente	
P0230	Circuito Primario Pompa Carburante	
P0231	Circuito Secondario Pompa Carburante – segnale basso	
P0232	Circuito Secondario Pompa Carburante – segnale alto	
P0233	Circuito Secondario Pompa Carburante – segnale intermittente	
P0234	Condizione di Sovralimentazione Turbocompressore	
P0235	Circuito "A" Sensore Pressione di Alimentazione Turbocompressore	
P0236	Circuito "A" Sensore Pressione Turbocompressore - Range/Prestazioni	
P0237	Circuito "A" Sensore Pressione di Alimentazione Turbocompressore - basso	
P0238	Circuito "A" Sensore Pressione di Alimentazione Turbocompressore - alto	
P0239	Circuito "B" Sensore Pressione di Alimentazione Turbocompressore	
P0240	Circuito "B" Sensore Pressione Turbocompressore - Range/Prestazioni	
P0241	Circuito "B" Sensore Pressione di Alimentazione Turbocompressore - basso	
P0242	Circuito "B" Sensore Pressione di Alimentazione Turbocompressore - alto	
P0243	Solenoide "A" Valvola Waste Gate Turbocompressore	
P0244	Solenoide "A" Valvola Waste Gate Turbocompressore - Range/Prestazioni	
P0245	Solenoide "A" Valvola Waste Gate Turbocompressore – segnale basso	
P0246	Solenoide "A" Valvola Waste Gate Turbocompressore – segnale alto	
P0247	Solenoide "B" Valvola Waste Gate Turbocompressore	

DTC number	DTC naming	Location
P0248	Solenoide "B" Valvola Waste Gate Turbocompressore - Range/Prestazioni	
P0249	Solenoide "B" Valvola Waste Gate Turbocompressore – segnale basso	
P0250	Solenoide "B" Valvola Waste Gate Turbocompressore – segnale alto	
P0251	Pompa iniezione carburante controllo dosaggio "A" (Cam/Rotor/Iniettore)	
P0252	Pompa iniezione carburante controllo dosaggio "A"- Range/Prest. (Cam/Rotor/Iniett.)	
P0253	Pompa iniezione carburante controllo dosaggio "A" - basso (Cam/Rotor/Iniettore)	
P0254	Pompa iniezione carburante controllo dosaggio "A" - alto (Cam/Rotor/Iniettore)	
P0255	Pompa iniezione carburante controllo dosaggio "A" – intermittente (Cam/Rotor/Iniett.)	
P0256	Pompa iniezione carburante controllo dosaggio "B" (Cam/Rotor/Iniettore)	
P0257	Pompa iniezione carburante controllo dosaggio "B" – Range/Prest. (Cam/Rotor/Iniett.)	
P0258	Pompa iniezione carburante controllo dosaggio "B" – basso (Cam/Rotor/Iniettore)	
P0259	Pompa iniezione carburante controllo dosaggio "B" – alto (Cam/Rotor/Iniett.)	
P0260	Pompa iniezione carburante controllo dosaggio "B" – intermittemte (Cam/Rotor/Iniett.)	
P0261	Cilindro 1 Circuito Iniettore Basso	
P0262	Cilindro 1 Circuito Iniettore Alto	
P0263	Cilindro 1 Portata/Equilibrio	
P0264	Cilindro 2 Circuito Iniettore Basso	
P0265	Cilindro 2 Circuito Iniettore Alto	
P0266	Cilindro 2 Portata/Equilibrio	
P0267	Cilindro 3 Circuito Iniettore Basso	
P0268	Cilindro 3 Circuito Iniettore Alto	
P0269	Cilindro 3 Portata/Equilibrio	
P0270	Cilindro 4 Circuito Iniettore Basso	
P0271	Cilindro 4 Circuito Iniettore Alto	
P0272	Cilindro 4 Portata/Equilibrio	
P0273	Cilindro 5 Circuito Iniettore Basso	
P0274	Cilindro 5 Circuito Iniettore Alto	
P0275	Cilindro 5 Portata/Equilibrio	
P0276	Cilindro 6 Circuito Iniettore Basso	
P0277	Cilindro 6 Circuito Iniettore Alto	
P0278	Cilindro 6 Portata/Equilibrio	
P0279	Cilindro 7 Circuito Iniettore Basso	
P0280	Cilindro 7 Circuito Iniettore Alto	
P0281	Cilindro 7 Portata/Equilibrio	
P0282	Cilindro 8 Circuito Iniettore Basso	
P0283	Cilindro 8 Circuito Iniettore Alto	
P0284	Cilindro 8 Portata/Equilibrio	

DTC number	DTC naming	Location
P0285	Cilindro 9 Circuito Iniettore Basso	
P0286	Cilindro 9 Circuito Iniettore Alto	
P0287	Cilindro 9 Portata/Equilibrio	
P0288	Cilindro 10 Circuito Iniettore Basso	
P0289	Cilindro 10 Circuito Iniettore Alto	
P0290	Cilindro 10 Portata/Equilibrio	
P0291	Cilindro 11 Circuito Iniettore Basso	
P0292	Cilindro 11 Circuito Iniettore Alto	
P0293	Cilindro 11 Portata/Equilibrio	
P0294	Cilindro 12 Circuito Iniettore Basso	
P0295	Cilindro 12 Circuito Iniettore Alto	
P0296	Cilindro 12 Portata/Equilibrio	
P0297	Condizione sovra velocità veicolo	
P0298	Condizione Sovratemperatura Olio Motore	
P0299	Mancanza di spinta Super carica/turbo	

B.4 P03XX Sistema iniezione o Misfire

Table B.4 — P03XX Sistema iniezione o Misfire

DTC number	DTC naming	Location
P0300	Mancata accensione casuale individuata	
P0301	Cilindro 1 mancata accensione individuata	
P0302	Cilindro 2 mancata accensione individuata	
P0303	Cilindro 3 mancata accensione individuata	
P0304	Cilindro 4 mancata accensione individuata	
P0305	Cilindro 5 mancata accensione individuata	
P0306	Cilindro 6 mancata accensione individuata	
P0307	Cilindro 7 mancata accensione individuata	
P0308	Cilindro 8 mancata accensione individuata	
P0309	Cilindro 9 mancata accensione individuata	
P0310	Cilindro 10 mancata accensione individuata	
P0311	Cilindro 11 mancata accensione individuata	

DTC number	DTC naming	Location
P0312	Cilindro 12 mancata accensione individuata	
P0313	Mancata accensione individuata con poco carburante	
P0314	Mancata accensione individuata su un cilindro non specificato	
P0315	Variazione Posizione Sistema albero a gomiti non appresa	
P0316	Motore Misfire adattato su Startup (Primi 1000 Giri)	
P0317	Adattamento Hardware Strada non presente	
P0318	Adattamento Strada Circuito Segnale Sensore "A"	
P0319	Adattamento Strada Circuito Segnale Sensore "B"	
P0320	Circuito Entrata Velocità Motore Distributore/Accensione	
P0321	Circuito Entrata Velocità Motore Distributore/Accensione - Range/Prestazioni	
P0322	Circuito Entrata Velocità Motore Distributore/Accensione – nessun segnale	
P0323	Circuito Entrata Velocità Motore Distributore/Accensione – segnale intermittente	
P0324	Errore Sistema Controllo Battito	
P0325	Circuito Sensore di Battito 1	Bank 1 or Single Sensor
P0326	Circuito Sensore di Battito 1 - Range/Prestazioni	Bank 1 or Single Sensor
P0327	Circuito Sensore di Battito 1 – segnale basso	Bank 1 or Single Sensor
P0328	Circuito Sensore di Battito 1 – segnale alto	Bank 1 or Single Sensor
P0329	Circuito Sensore di Battito 1 – segnale intermittente	Bank 1 or Single Sensor
P0330	Circuito Sensore di Battito 2	Bank 2
P0331	Circuito Sensore di Battito 2 - Range/Prestazioni	Bank 2
P0332	Circuito Sensore di Battito 2 – segnale basso	Bank 2
P0333	Circuito Sensore di Battito 2 – segnale alto	Bank 2
P0334	Circuito Sensore di Battito 2 – segnale intermittente	Bank 2
P0335	Circuito A Sensore Posizione Albero Motore	
P0336	Circuito A Sensore Posizione Albero Motore - Range/Prestazioni	
P0337	Circuito A Sensore Posizione Albero Motore – segnale basso	
P0338	Circuito A Sensore Posizione Albero Motore – segnale alto	
P0339	Circuito A Sensore Posizione Albero Motore – segnale intermittente	
P0340	Circuito "A" Sensore Posizione Albero a Camme	Bank 1 or Single Sensor
P0341	Circuito "A" Sensore Posizione Albero a Camme - Range/Prestazioni	Bank 1 or Single Sensor
P0342	Circuito "A" Sensore Posizione Albero a Camme – segnale basso	Bank 1 or Single Sensor
P0343	Circuito "A" Sensore Posizione Albero a Camme – segnale alto	Bank 1 or Single

DTC number	DTC naming	Location
		Sensor
P0344	Circuito "A" Sensore Posizione Albero a Camme – segnale intermittente	Bank 1 or Single Sensor
P0345	Circuito "A" Sensore Posizione Albero a Camme	Bank 2
P0346	Circuito "A" Sensore Posizione Albero a Camme - Range/Prestazioni	Bank 2
P0347	Circuito "A" Sensore Posizione Albero a Camme – segnale basso	Bank 2
P0348	Circuito "A" Sensore Posizione Albero a Camme – segnale alto	Bank 2
P0349	Circuito "A" Sensore Posizione Albero a Camme – segnale intermittente	Bank 2
P0350	Circuito Primario/Secondario Bobina Accensione	
P0351	Circuito Primario/Secondario Bobina Accensione "A"	
P0352	Circuito Primario/Secondario Bobina Accensione "B"	
P0353	Circuito Primario/Secondario Bobina Accensione "C"	
P0354	Circuito Primario/Secondario Bobina Accensione "D"	
P0355	Circuito Primario/Secondario Bobina Accensione "E"	
P0356	Circuito Primario/Secondario Bobina Accensione "F"	
P0357	Circuito Primario/Secondario Bobina Accensione "G"	
P0358	Circuito Primario/Secondario Bobina Accensione "H"	
P0359	Circuito Primario/Secondario Bobina Accensione "I"	
P0360	Circuito Primario/Secondario Bobina Accensione "J"	
P0361	Circuito Primario/Secondario Bobina Accensione "K"	
P0362	Circuito Primario/Secondario Bobina Accensione "L"	
P0363	Mancata Accensione Individuata – Iniezione disabilitata	
P0364	Riservato	
P0365	Circuito "B" Sensore Posizione Albero a Camme	Bank 1
P0366	Circuito "B" Sensore Posizione Albero a Camme - Range/Prestazioni	Bank 1
P0367	Circuito "B" Sensore Posizione Albero a Camme – segnale basso	Bank 1
P0368	Circuito "B" Sensore Posizione Albero a Camme – segnale alto	Bank 1
P0369	Circuito "B" Sensore Posizione Albero a Camme – segnale intermittente	Bank 1
P0370	Segnale fase ad alta risoluzione "A"	
P0371	Segnale fase ad alta risoluzione "A" - troppi impulsi	
P0372	Segnale fase ad alta risoluzione "A" – pochi impulsi	
P0373	Segnale fase ad alta risoluzione "A" – impulsi errati o mancanti	
P0374	Segnale fase ad alta risoluzione "A" – mancanza impulsi	
P0375	Segnale fase ad alta risoluzione "B"	
P0376	Segnale fase ad alta risoluzione "B" - troppi impulsi	

DTC number	DTC naming	Location
P0377	Segnale fase ad alta risoluzione "B" – pochi impulsi	
P0378	Segnale fase ad alta risoluzione "B" – impulsi errati o mancanti	
P0379	Segnale fase ad alta risoluzione "B" – mancanza impulsi	
P0380	Circuito "A" Candele/ Riscaldatore	
P0381	Circuito Indicatore Candele/ Riscaldatore	
P0382	Circuito "B" Candele/ Riscaldatore	
P0383-P0384	Riservato	
P0385	Circuito "B" Sensore Posizione Albero Motore	
P0386	Circuito "B" Sensore Posizione Albero Motore - Range/Prestazioni	
P0387	Circuito "B" Sensore Posizione Albero Motore – segnale basso	
P0388	Circuito "B" Sensore Posizione Albero Motore – segnale alto	
P0389	Circuito "B" Sensore Posizione Albero Motore – segnale intermittente	
P0390	Circuito "B" Sensore Posizione Albero a Camme	Bank 2
P0391	Circuito "B" Sensore Posizione Albero a Camme - Range/Prestazioni	Bank 2
P0392	Circuito "B" Sensore Posizione Albero a Camme – segnale basso	Bank 2
P0393	Circuito "B" Sensore Posizione Albero a Camme – segnale alto	Bank 2
P0394	Circuito "B" Sensore Posizione Albero a Camme – segnale intermittente	Bank 2

B.5 P04XX Controlli emissioni ausiliari

Table B.5 — P04XX Controlli emissioni ausiliari

DTC number	DTC naming	Location
P0400	Flusso Ricircolo Gas di Scarico	
P0401	Ricircolo Gas di Scarico – Individuato Flusso Insufficiente	
P0402	Ricircolo Gas di Scarico – Individuato Flusso Eccessivo	
P0403	Circuito di Controllo Ricircolo Gas di Scarico	
P0404	Ricircolo Gas di Scarico – Circuito Controllo Flusso - Range/Prestazioni	
P0405	Circuito "A" Sensore Ricircolo Gas di Scarico – segnale basso	
P0406	Circuito "A" Sensore Ricircolo Gas di Scarico – segnale alto	
P0407	Circuito "B" Sensore Ricircolo Gas di Scarico – segnale basso	
P0408	Circuito "B" Sensore Ricircolo Gas di Scarico – segnale alto	

DTC number	DTC naming	Location
P0409	Circuito "A" Sensore Ricircolo Gas di Scarico	
P0410	Sistema Iniezione Aria Secondaria	
P0411	Iniezione Aria Secondaria – Individuato Flusso a Monte non corretto	
P0412	Valvola Interruttore Iniezione Aria Secondaria - Circuito "A" guasto	
P0413	Valvola Interruttore Iniezione Aria Secondaria - Circuito "A" aperto	
P0414	Valvola Interruttore Iniezione Aria Secondaria - Circuito "A" in corto	
P0415	Valvola Interruttore Iniezione Aria Secondaria - Circuito "B"	
P0416	Valvola Interruttore Iniezione Aria Secondaria - Circuito "B" aperto	
P0417	Valvola Interruttore Iniezione Aria Secondaria - Circuito "B" in corto	
P0418	Circuito "A" relè iniezione aria secondaria	
P0419	Circuito "B" relè iniezione aria secondaria	
P0420	Efficienza Sistema Catalitico sotto la soglia	Bank 1
P0421	Efficienza Riscaldamento Catalizzatore sotto la soglia	Bank 1
P0422	Efficienza Catalizzatore Principale sotto la soglia	Bank 1
P0423	Efficienza Catalizzatore Riscaldato sotto la soglia	Bank 1
P0424	Temperatura Catalizzatore Riscaldato sotto la soglia	Bank 1
P0425	Sensore Temperatura Catalizzatore	Bank 1
P0426	Sensore Temperatura Catalizzatore - Range/Prestazioni	Bank 1
P0427	Sensore Temperatura Catalizzatore – segnale basso	Bank 1
P0428	Sensore Temperatura Catalizzatore – segnale alto	Bank 1
P0429	Circuito Controllo Catalizzatore Riscaldato	Bank 1
P0430	Efficienza Sistema Catalitico sotto la soglia	Bank 2
P0431	Efficienza Riscaldamento Catalizzatore sotto la soglia	Bank 2
P0432	Efficienza Catalizzatore Principale sotto la soglia	Bank 2
P0433	Efficienza Catalizzatore Riscaldato sotto la soglia	Bank 2
P0434	Temperatura Catalizzatore Riscaldato sotto la soglia	Bank 2
P0435	Sensore Temperatura Catalizzatore	Bank 2
P0436	Sensore Temperatura Catalizzatore - Range/Prestazioni	Bank 2
P0437	Sensore Temperatura Catalizzatore – segnale basso	Bank 2
P0438	Sensore Temperatura Catalizzatore – segnale alto	Bank 2
P0439	Circuito Controllo Catalizzatore Riscaldato	Bank 2
P0440	Sistema Controllo Emissioni Evaporative	
P0441	Sistema Controllo Emissioni Evaporative – flusso spurgo non corretto	
P0442	Sistema Controllo Emissioni Evaporative – individuata perdita piccola	
P0443	Sistema Controllo Emissioni Evaporative – Circuito Valvola	

DTC number	DTC naming	Location
P0444	Sistema Controllo Emissioni Evaporative – Circuito Valvola aperto	
P0445	Sistema Controllo Emissioni Evaporative – Circuito Valvola in cortocircuito	
P0446	Sistema Controllo Emissioni Evaporative – Circuito Controllo sfiato	
P0447	Sistema Controllo Emissioni Evaporative – Circuito Controllo sfiato aperto	
P0448	Sistema Controllo Emissioni Evaporative – Circuito Controllo sfiato in corto	
P0449	Sistema Controllo Emissioni Evaporative - Circuito Valvola/Solenoide	
P0450	Controllo Emissioni Evaporative Sensore Pressione	
P0451	Controllo Emissioni Evaporative Sensore Pressione - Range/Prestazioni	
P0452	Sist.Contr. Emissioni Evaporative Sensore Pressione – segnale in entrata basso	
P0453	Sist.Contr. Emissioni Evaporative Sensore Pressione – segnale in entrata alto	
P0454	Sist.Contr. Emissioni Evaporative Sensore Pressione – segnale intermittente	
P0455	Sist.Contr. Emissioni Evaporative Individuata Perdita grossa o mancanza flusso	
P0456	Sist.Contr. Emissioni Evaporative Individuata Perdita molto piccola	
P0457	Sist.Contr. Emissioni Evaporative Individuata Perdita (tappo carb. allentato – libero)	
P0458	Sistema Controllo Emissioni Evaporative – Circuito Valvola basso	
P0459	Sistema Controllo Emissioni Evaporative – Circuito Valvola alto	
P0460	Circuito “A” Sensore Livello Carburante	
P0461	Circuito “A” Sensore Livello Carburante – Range/Prestazioni	
P0462	Circuito “A” Sensore Livello Carburante – segnale basso	
P0463	Circuito “A” Sensore Livello Carburante – segnale alto	
P0464	Circuito “A” Sensore Livello Carburante – segnale intermittente	
P0465	EVAP Circuito Sensore flusso di spurgo	
P0466	EVAP Circuito Sensore flusso di spurgo – Range/Prestazioni	
P0467	EVAP Circuito Sensore flusso di spurgo – segnale basso	
P0468	EVAP Circuito Sensore flusso di spurgo – segnale alto	
P0469	EVAP Circuito Sensore flusso di spurgo – segnale intermittente	
P0470	Sensore Pressione Scarico	
P0471	Sensore Pressione Scarico - Range/Prestazioni	
P0472	Sensore Pressione Scarico – segnale basso	
P0473	Sensore Pressione Scarico – segnale alto	
P0474	Sensore Pressione Scarico – segnale intermittente	
P0475	Valvola Controllo Pressione Scarico	
P0476	Valvola Controllo Pressione Scarico – Range/Prestazioni	
P0477	Valvola Controllo Pressione Scarico – segnale basso	
P0478	Valvola Controllo Pressione Scarico – segnale alto	
P0479	Valvola Controllo Pressione Scarico – segnale intermittente	
P0480	Valvola Raffreddamento 1 Circuito di Controllo	

DTC number	DTC naming	Location
P0481	Valvola Raffreddamento 2 Circuito di Controllo	
P0482	Valvola Raffreddamento 3 Circuito di Controllo	
P0483	Ventola Raffreddamento	
P0484	Ventola Raffreddamento Sovracorrente nel Circuito	
P0485	Ventola Raffreddamento Circuito di massa o alimentazione	
P0486	Sensore "B" Ricircolo Gas di Scarico	
P0487	Ricircolo Gas di Scarico – Circuito Controllo Posizione Farfalla	
P0488	Ricircolo Gas di Scarico – Controllo Posizione Farfalla - Range/Performance	
P0489	Ricircolo Gas di Scarico - Circuito Controllo basso	
P0490	Ricircolo Gas di Scarico – Circuito Controllo alto	
P0491	Sistema Iniezione Aria Secondaria	Bank 1
P0492	Sistema Iniezione Aria Secondaria	Bank 2
P0493	Ventilatore fuori velocità	
P0494	Ventilatore Velocità bassa	
P0495	Ventilatore Velocità alta	
P0496	Sistema Emissioni Evaporative Flusso Spurgo – Alto	
P0497	Sistema Emissioni Evaporative Flusso Spurgo – Basso	
P0498	Sistema Emissioni Evaporative Controllo Circuito Valvola Sfiato - Basso	
P0499	Sistema Emissioni Evaporative Controllo Circuito Valvola Sfiato - Alto	

B.6 P05XX Velocità veicolo, controllo minimo e segnali ausiliari

Table B.6 — P05XX Velocità veicolo, controllo minimo e segnali ausiliari

DTC number	DTC naming	Location
P0500	Sensore "A" Velocità Veicolo	
P0501	Sensore "A" Velocità Veicolo Range/Prestazioni	
P0502	Sensore "A" Velocità Veicolo – Circuito segnale basso	
P0503	Sensore "A" Velocità Veicolo Intermittente	
P0504	Correlazione Interruttore Freno "A"/"B"	
P0505	Sistema Controllo Minimo	
P0506	Sistema Controllo Minimo – RPM inferiore al previsto	

DTC number	DTC naming	Location
P0507	Sistema Controllo Minimo – RPM superiore al previsto	
P0508	Circuito Sistema Controllo Minimo – segnale basso	
P0509	Circuito Sistema Controllo Minimo – segnale alto	
P0510	Interruttore Posizione Farfalla Chiusa	
P0511	Sistema Controllo Minimo	
P0512	Circuito Richiesta Starter	
P0513	Chiave Immobilizzatore non corretta	
P0514	Circuito Sensore Temperatura Batteria Range/Prestazioni	
P0515	Circuito Sensore Temperatura Batteria	
P0516	Circuito Sensore Temperatura Batteria – segnale basso	
P0517	Circuito Sensore Temperatura Batteria – segnale alto	
P0518	Sistema Controllo Minimo Intermittente	
P0519	Sistema Controllo Minimo Performance	
P0520	Circuito Sensore Pressione Olio Motore	
P0521	Circuito Sensore Pressione Olio Motore Range/Prestazioni	
P0522	Circuito Sensore Pressione Olio Motore – tensione bassa	
P0523	Circuito Sensore Pressione Olio Motore – tensione alta	
P0524	Pressione Olio Motore – troppo bassa	
P0525	Cruise Control Servo Control Circuito - Range/Prestazioni	
P0526	Circuito Sensore Velocità Ventilatore	
P0527	Circuito Sensore Velocità Ventilatore - Range/Prestazioni	
P0528	Circuito Sensore Velocità Ventilatore – senza segnale	
P0529	Circuito Sensore Velocità Ventilatore – segnale intermittente	
P0530	Circuito Sensore Pressione A/C	
P0531	Circuito Sensore Pressione A/C - Range/Prestazioni	
P0532	Circuito Sensore Pressione A/C – segnale basso	
P0533	Circuito Sensore Pressione A/C – segnale alto	
P0534	A/C – perdita carica	
P0535	A/C Circuito Sensore Temperatura Evaporatore	
P0536	A/C Circuito Sensore Temperatura Evaporatore - Range/Prestazioni	
P0537	A/C Circuito Sensore Temperatura Evaporatore – segnale basso	
P0538	A/C Circuito Sensore Temperatura Evaporatore – segnale alto	
P0539	A/C Circuito Sensore Temperatura Evaporatore – segnale intermittente	
P0540 ₁₎	Circuito Riscaldatore Aria Aspirazione	
P0541 ₁₎	Circuito Riscaldatore Aria Aspirazione Basso	
P0542 ₁₎	Circuito Riscaldatore Aria Aspirazione Alto	
P0543 ₁₎	Circuito Riscaldatore Aria Aspirazione “A” Aperto	

DTC number	DTC naming	Location
P0544	Circuito Sensore Temperatura Gas di Scarico	Bank 1 Sensor 1
P0545	Circuito Sensore Temperatura Gas di Scarico - basso	Bank 1 Sensor 1
P0546	Circuito Sensore Temperatura Gas di Scarico - alto	Bank 1 Sensor 1
P0547	Circuito Sensore Temperatura Gas di Scarico	Bank 2 Sensor 1
P0548	Circuito Sensore Temperatura Gas di Scarico - basso	Bank 2 Sensor 1
P0549	Circuito Sensore Temperatura Gas di Scarico - alto	Bank 2 Sensor 1
P0550	Circuito Sensore Pressione Servosterzo	
P0551	Circuito Sensore Pressione Servosterzo - Range/Prestazioni	
P0552	Circuito Sensore Pressione Servosterzo – segnale d'entrata basso	
P0553	Circuito Sensore Pressione Servosterzo – segnale d'entrata alto	
P0554	Circuito Sensore Pressione Servosterzo – segnale intermittente	
P0555	Circuito Sensore Pressione Freno	
P0556	Circuito Sensore Pressione Freno- Range/Prestazioni	
P0557	Circuito Sensore Pressione Freno – segnale basso	
P0558	Circuito Sensore Pressione Freno – segnale alto	
P0559	Circuito Sensore Pressione Freno – segnale intermittente	
P0560	Tensione Alimentazione Sistema	
P0561	Tensione Alimentazione Sistema – instabile	
P0562	Tensione Alimentazione Sistema – bassa	
P0563	Tensione Alimentazione Sistema – alta	
P0564	Cruise Control – segnale multifunzione	
P0565	Cruise Control Segnale ON	
P0566	Cruise Control Segnale OFF	
P0567	Cruise Control Segnale RIPRENDI	
P0568	Cruise Control Segnale IMPOSTA	
P0569	Cruise Control Segnale COAST	
P0570	Cruise Control Segnale ACCELERAZIONE	
P0571	Cruise Control – Circuito A Interruttore Freno	
P0572	Cruise Control – Circuito A Interruttore Freno – basso	
P0573	Cruise Control – Circuito A Interruttore Freno – alto	
P0574	Cruise Control – Velocità Vettura troppo alta	
P0575	Segnale Cruise Control	
P0576	Cruise Control - segnale basso	
P0577	Cruise Control - segnale alto	
P0578 2)	Segnale "A" Cruise Control Multifunzione Circuito Bloccato	

DTC number	DTC naming	Location
P0579 ₂₎	Segnale "A" Cruise Control Multifunzione – Range/Performance	
P0580 ₂₎	Segnale "A" Cruise Control Multifunzione – basso	
P0581 ₂₎	Segnale "A" Cruise Control Multifunzione – alto	
P0582	Cruise Control Vacuum Control Circuit/Aperto	
P0583	Cruise Control Vacuum Control Circuit – basso	
P0584	Cruise Control Vacuum Control Circuit – alto	
P0585	Cruise Control Multi-Function Input "A"/"B" Correlation	
P0586	Cruise Control Vent Control Circuit/Aperto	
P0587	Cruise Control Vent Control Circuit – basso	
P0588	Cruise Control Vent Control Circuit - alto	
P0589	Cruise Control Multi-Function Input "B" Circuit	
P0590	Cruise Control Multi-Function Input "B" Circuito Bloccato	
P0591	Cruise Control Multi-Function Input "B" Circuit - Range/Performance	
P0592	Cruise Control Multi-Function Input "B" Circuit- basso	
P0593	Cruise Control Multi-Function Input "B" Circuit - alto	
P0594	Cruise Control Servo Control Circuit/aperto	
P0595	Cruise Control Servo Control Circuit – basso	
P0596	Cruise Control Servo Control Circuit – alto	
P0597	Circuito Controllo Termostato Radiatore / Aperto	
P0598	Circuito Controllo Termostato Radiatore – basso	
P0599	Circuito Controllo Termostato Radiatore – alto	
NOTE 1) For DTCs P0540 - P0543 also See P2604 - P2609		
NOTE 2) For DTCs P0578 - P0581 also see P0564		

B.7 P06XX Computer and auxiliary outputs

Table B.7 — P06XX Computer e outputs ausiliari

DTC number	DTC naming	Location
P0600	Comunicazione Seriale	
P0601	Modulo Controllo – Memoria Check Error	
P0602	Errore Programmazione Centralina Controllo Motore	
P0603	Errore Memoria KAM Centralina Controllo Motore	
P0604	Errore Memoria RAM Centralina Controllo Motore	
P0605	Errore Memoria ROM Centralina Controllo Motore	

DTC number	DTC naming	Location
P0606	Processore ECM/PCM	
P0607	Modulo di Controllo – Prestazioni	
P0608	Modulo di Controllo - VSS Segnale "A"	
P0609	Modulo di Controllo - VSS Segnale "B"	
P0610	Modulo di Controllo - errore su opzional veicolo	
P0611	Modulo di Controllo Iniettore Carburante – Prestazioni	
P0612	Modulo di Controllo Iniettore Carburante Relè di Controllo	
P0613	Processore TCM	
P0614	ECM / TCM accoppiamento difettoso	
P0615	Circuito Relè Motorino Avviamento	
P0616	Circuito Relè Motorino Avviamento – segnale basso	
P0617	Circuito Relè Motorino Avviamento – segnale alto	
P0618	Modulo Controllo Carburante Alternativo – errore memoria KAM	
P0619	Modulo Controllo Carburante alternativo – errore memoria RAM/ROM	
P0620	Circuito Controllo Generatore	
P0621	Lampada Spia Generatore – circuito di controllo Morsetto "L"	
P0622	Generatore - circuito di controllo Morsetto "F"	
P0623	Lampada Spia Generatore – circuito di controllo	
P0624	Lampada Spia Coperchio Carburante – circuito di controllo	
P0625	Generatore "F" Circuito Terminale – basso	
P0626	Generatore "F" Circuito Terminale – alto	
P0627	Circuito Controllo Pompa Carburante – aperto	
P0628	Circuito Controllo Pompa Carburante – basso	
P0629	Circuito Controllo Pompa Carburante – alto	
P0630	VIN non programmato o accoppiamento difettoso - ECM/PCM	
P0631	VIN non programmato o accoppiamento difettoso - TCM	
P0632	Odometro Non Programmato – ECM/PCM	
P0633	Chiave Immobilizer Non Programmata – ECM/PCM	
P0634	PCM/ECM/TCM Temperatura Interna troppo Alta	
P0635	Circuito Controllo Servosterzo	
P0636	Circuito Controllo Servosterzo – segnale basso	
P0637	Circuito Controllo Servosterzo – segnale alto	
P0638	Attuatore Controllo Farfalla - Range/Prestazioni	Bank 1
P0639	Attuatore Controllo Farfalla - Range/Prestazioni	Bank 2
P0640	Circuito di Controllo Riscaldatore Aria Aspirazione	

DTC number	DTC naming	Location
P0641	Riferimento Circuito Sensore Tensione "A" – aperto	
P0642	Riferimento Circuito Sensore Tensione "A" – basso	
P0643	Riferimento Circuito Sensore Tensione "A" – alto	
P0644	Comunicazione Seriale Pilotaggio Circuito Display	
P0645	Circuito di Controllo Relè innesto frizione A/C	
P0646	Circuito di Controllo Relè innesto frizione A/C – segnale basso	
P0647	Circuito di Controllo Relè innesto frizione A/C – segnale alto	
P0648	Circuito di Controllo Lampada Spia "Immobilizer"	
P0649	Circuito di Controllo Lampada Spia sistema controllo velocità	
P0650	Circuito di Controllo Lampada Spia (MIL) – malfunzionamento	
P0651	Riferimento Circuito Sensore Tensione "B" – aperto	
P0652	Riferimento Circuito Sensore Tensione "B" – basso	
P0653	Riferimento Circuito Sensore Tensione "B" – alto	
P0654	Circuito segnale RPM Motore	
P0655	Circuito di Controllo lampada spia alta temperatura motore	
P0656	Circuito segnale livello carburante	
P0657	Circuito Tensione Alimentazione Attuatore – aperto	
P0658	Circuito Tensione Alimentazione Attuatore – basso	
P0659	Circuito Tensione Alimentazione Attuatore – alto	
P0660	Circuito controllo Valvola Collettore Aspirazione	Bank 1 ^{a)}
P0661	Circuito controllo Valvola Collettore Aspirazione – segnale basso	Bank 1 ^{a)}
P0662	Circuito controllo Valvola Collettore Aspirazione – segnale alto	Bank 1 ^{a)}
P0663	Circuito controllo Valvola Collettore Aspirazione	Bank 2 ^{a)}
P0664	Circuito controllo Valvola Collettore Aspirazione – segnale basso	Bank 2 ^{a)}
P0665	Circuito controllo Valvola Collettore Aspirazione – segnale alto	Bank 2 ^{a)}
P0666	PCM/ECM/TCM Circuito Sensore Temperatura Interna	
P0667	PCM/ECM/TCM Circuito Sensore Temperatura Interna - Range/Prestazioni	
P0668	PCM/ECM/TCM Circuito Sensore Temperatura Interna – segnale basso	
P0669	PCM/ECM/TCM Circuito Sensore Temperatura Interna – segnale alto	
P0670	Circuito Controllo Modulo Candele	
P0671	Circuito Candele Cilindro 1	
P0672	Circuito Candele Cilindro 2	
P0673	Circuito Candele Cilindro 3	
P0674	Circuito Candele Cilindro 4	
P0675	Circuito Candele Cilindro 5	
P0676	Circuito Candele Cilindro 6	
P0677	Circuito Candele Cilindro 7	

DTC number	DTC naming	Location
P0678	Circuito Candeletta Cilindro 8	
P0679	Circuito Candeletta Cilindro 9	
P0680	Circuito Candeletta Cilindro 10	
P0681	Circuito Candeletta Cilindro 11	
P0682	Circuito Candeletta Cilindro 12	
P0683	Modulo Controllo Candeletta al Circuito di Comunicazione PCM	
P0684	Modulo Controllo Candeletta al Circuito di Comunicazione PCM -Range/Prestazioni	
P0685	ECM/PCM Circuito Controllo Relè Potenza	
P0686	ECM/PCM Circuito Controllo Relè Potenza – basso	
P0687	ECM/PCM Circuito Controllo Relè Potenza – alto	
P0688	ECM/PCM Circuito Senso Relè Potenza – aperto	
P0689	ECM/PCM Circuito Senso Relè Potenza - basso	
P0690	ECM/PCM Circuito Senso Relè Potenza - alto	
P0691	Circuito Controllo Ventilatore 1 – segnale basso	
P0692	Circuito Controllo Ventilatore 1 – segnale alto	
P0693	Circuito Controllo Ventilatore 2 – segnale basso	
P0694	Circuito Controllo Ventilatore 2 – segnale alto	
P0695	Circuito Controllo Ventilatore 3 – segnale basso	
P0696	Circuito Controllo Ventilatore 3 – segnale alto	
P0697	Riferimento Circuito Sensore Tensione “B” - aperto	
P0698	Riferimento Circuito Sensore Tensione “B” - basso	
P0699	Riferimento Circuito Sensore Tensione “B” - alto	

^{a)} DTC Application note for Intake Manifold Tuning Valves and Intake Manifold Runner controls:

Active controls are used modify or control airflow within the engine air intake system. These controls may be used to enhance or modify in-cylinder airflow motion (charge motion), modify the airflow dynamics (manifold tuning) within the intake manifold or both.

Devices that control charge motion are commonly called Intake Manifold Runner Control, Swirl Control Valve, and Charge Motion Control Valve. The SAE recommended term for any device that controls charge motion is Intake Manifold Runner Control (IMRC).

Devices that control manifold dynamics or manifold tuning are commonly called Intake Manifold Tuning Valve, Long/Short Runner Control and Intake Manifold Communication Control. The SAE recommended term for any device that controls manifold tuning is Intake Manifold Tuning (IMT) Valve.

B.8 P07XX Trasmissioni

Table B.8 — P07XX Trasmissioni

DTC number	DTC naming	Location
P0700	Sistema Controllo Trasmissione (Richiesta MIL)	
P0701	Sistema Controllo Trasmissione – Range/Prestazioni	
P0702	Sistema Controllo Trasmissione Elettrico	
P0703	Circuito Entrata Interruttore Freno B	
P0704	Circuito Entrata Interruttore Frizione - Malfunzionamento	
P0705	Sensore Range Trasmissione Automatica Malfunzionamento (PRNDL Input)	
P0706	Sensore Range Trasmissione Automatica - Range/Prestazioni	
P0707	Circuito Sensore Range Trasmissione Automatica – segnale d'entrata basso	
P0708	Circuito Sensore Range Trasmissione Automatica – segnale d'entrata alto	
P0709	Circuito Sensore Range Trasmissione Automatica – segnale intermittente	
P0710	Sensore Temperatura Fluido Trasmissione Automatica	
P0711	Sensore Temperatura Fluido Trasmissione Automatica Range/Prestazioni	
P0712	Sensore Temperatura Fluido Trasmissione Automatica – segnale basso	
P0713	Sensore Temperatura Fluido Trasmissione Automatica – segnale alto	
P0714	Sensore Temperatura Fluido Trasmissione Automatica – segnale intermittente	
P0715	Sensore Velocità Albero Turbina Trasmissione Automatica	
P0716	Sensore Velocità Albero Turbina Trasmissione Automatica - Range/Prestazioni	
P0717	Sensore Velocità Albero Turbina Trasmissione Automatica – nessun segnale	
P0718	Sensore Velocità Albero Turbina Trasmissione Automatica – segnale intermittente	
P0719	Convertitore di coppia/circuito "B" contatto freno – segnale basso	
P0720	Sensore Velocità Albero Uscita Trasmissione Automatica	
P0721	Sensore Velocità Albero Uscita Trasmissione Automatica - Range/Prestazioni	
P0722	Sensore Velocità Albero Uscita Trasmissione Automatica – nessun segnale	
P0723	Sensore Velocità Albero Uscita Trasmissione Automatica - segnale intermittente	
P0724	Convertitore di coppia/circuito "B" contatto freno – segnale alto	
P0725	Circuito Impulso Velocità Motore	
P0726	Circuito Impulso Velocità Motore - Range/Prestazioni	
P0727	Circuito Impulso Velocità Motore – mancanza segnale	
P0728	Circuito Impulso Velocità Motore – segnale intermittente	
P0729	Marcia 6 Rapporto non corretto	
P0730	Rapporto Marcia non corretto	
P0731	Marcia 1 Rapporto non corretto	
P0732	Marcia 2 Rapporto non corretto	
P0733	Marcia 3 Rapporto non corretto	

DTC number	DTC naming	Location
P0734	Marcia 4 Rapporto non corretto	
P0735	Marcia 5 Rapporto non corretto	
P0736	Retromarcia Rapporto non corretto	
P0737	TCM Circuito segnale in uscita velocità motore	
P0738	TCM Circuito segnale in uscita velocità motore – segnale basso	
P0739	TCM Circuito segnale in uscita velocità motore – segnale alto	
P0740	Circuito Solenoide Frizione Convertitore Coppia	
P0741	Solenoide Frizione Convertitore Coppia-Prestazione o inceppato (off)	
P0742	Solenoide Frizione Convertitore Coppia-Prestazione o inceppato (on)	
P0743	Circuito Elettrico Solenoide Frizione Convertitore Coppia	
P0744	Circuito Solenoide Frizione Convertitore Coppia – segnale intermittente	
P0745	Solenoide "A" Controllo Pressione Trasmissione	
P0746	Solenoide "A" Controllo Pressione Trasmissione-Prestazione o inceppato (off)	
P0747	Solenoide "A" Controllo Pressione Trasmissione-Bloccato in posizione On	
P0748	Solenoide "A" Controllo Pressione Trasmissione – guasto elettrico	
P0749	Solenoide "A" Controllo Pressione Trasmissione – segnale intermittente	
P0750	Solenoide "A" Cambio	
P0751	Solenoide "A" Cambio – Prestazione o bloccato chiuso	
P0752	Solenoide "A" Cambio – bloccato aperto	
P0753	Solenoide "A" Cambio – guasto elettrico	
P0754	Solenoide "A" Cambio – segnale intermittente	
P0755	Solenoide "B" Cambio	
P0756	Solenoide "B" Cambio – Prestazione o bloccato chiuso	
P0757	Solenoide "B" Cambio – bloccato aperto	
P0758	Solenoide "B" Cambio – guasto elettrico	
P0759	Solenoide "B" Cambio – segnale intermittente	
P0760	Solenoide "C" Cambio	
P0761	Solenoide "C" Cambio – Prestazione o bloccato chiuso	
P0762	Solenoide "C" Cambio – bloccato aperto	
P0763	Solenoide "C" Cambio – guasto elettrico	
P0764	Solenoide "C" Cambio – segnale intermittente	
P0765	Solenoide "D" Cambio	
P0766	Solenoide "D" Cambio – Prestazione o bloccato chiuso	
P0767	Solenoide "D" Cambio – bloccato aperto	
P0768	Solenoide "D" Cambio – guasto elettrico	

DTC number	DTC naming	Location
P0769	Solenoide "D" Cambio – segnale intermittente	
P0770	Solenoide "E" Cambio	
P0771	Solenoide "E" Cambio – Prestazione o bloccato chiuso	
P0772	Solenoide "E" Cambio – bloccato aperto	
P0773	Solenoide "E" Cambio – guasto elettrico	
P0774	Solenoide "E" Cambio – segnale intermittente	
P0775	Solenoide "B" Controllo Pressione Cambio	
P0776	Solenoide "B" Controllo Pressione Cambio – Prestazione o bloccato chiuso	
P0777	Solenoide "B" Controllo Pressione Cambio – bloccato aperto	
P0778	Solenoide "B" Controllo Pressione Cambio – guasto elettrico	
P0779	Solenoide "B" Controllo Pressione Cambio – segnale intermittente	
P0780	Cambio Marcia	
P0781	Cambio Marcia 1-2	
P0782	Cambio Marcia 2-3	
P0783	Cambio Marcia 3-4	
P0784	Cambio Marcia 4-5	
P0785	Solenoide sincronizzazione cambio	
P0786	Solenoide sincronizzazione cambio Range/Prestazioni	
P0787	Solenoide sincronizzazione cambio – segnale basso	
P0788	Solenoide sincronizzazione cambio – segnale alto	
P0789	Solenoide sincronizzazione cambio – segnale intermittente	
P0790	Circuito interruttore Prestazione / Normale	
P0791	Circuito Sensore Velocità Albero Intermedio Trasmissione	
P0792	Circuito Sensore Velocità Albero Intermedio Trasmissione Range/Prestazioni	
P0793	Circuito Sensore Velocità Albero Intermedio Trasmissione – mancanza di segnale	
P0794	Circuito Sensore Velocità Albero Intermedio Trasmissione – segnale intermittente	
P0795	Solenoide "C" Controllo Pressione Cambio	
P0796	Solenoide "C" Controllo Pressione Cambio – Prestazione o inceppato chiuso	
P0797	Solenoide "C" Controllo Pressione Cambio - inceppato aperto	
P0798	Solenoide "C" Controllo Pressione Cambio – guasto elettrico	
P0799	Solenoide "C" Controllo Pressione Cambio – segnale intermittente	

B.9 P08XX Trasmissioni

Table B.9 — P08XX Trasmissioni

DTC number	DTC naming	Location
P0800	Circuito inibizione retromarcia (Richiesta MIL)	
P0801	Circuito Controllo Retromarcia Inibito	
P0802	Sistema Controllo Trasmissione Circuito richiesta MIL - aperto	
P0803	Circuito Controllo Solenoide Salto marcia 1-4	
P0804	Circuito Controllo Lampada Spia Salto marcia 1-4	
P0805	Circuito Sensore Posizione innesto frizione	
P0806	Circuito Sensore Posizione innesto - Range/Prestazioni	
P0807	Circuito Sensore Posizione innesto frizione – segnale basso	
P0808	Circuito Sensore Posizione innesto frizione – segnale alto	
P0809	Circuito Sensore Posizione innesto frizione – segnale intermittente	
P0810	Errore Circuito Sensore Posizione innesto frizione	
P0811	Eccessivo slittamento innesto frizione	
P0812	Retromarcia – Circuito Segnale in ingresso	
P0813	Retromarcia – Circuito Segnale in uscita	
P0814	Circuito Visualizzazione Posizione Trasmissione	
P0815	Circuito Interruttore cambio marcia verso l'alto	
P0816	Circuito Interruttore cambio marcia verso il basso	
P0817	Cambio – Circuito disabilitazione avviamento	
P0818	Interruttore Sconnessione Albero di Trasmissione con giunto cardanico	
P0819	Circuito Interruttore di trasmissione cambio marcia verso il basso/alto	
P0820	Circuito Sensore Posizione innesto ingranaggi Livello X-Y	
P0821	Circuito Posizione innesto ingranaggi Livello X	
P0822	Circuito Posizione innesto ingranaggi Livello Y	
P0823	Circuito Posizione innesto ingranaggi Livello X – segnale intermittente	
P0824	Circuito Posizione innesto ingranaggi Livello Y – segnale intermittente	
P0825	Commutatore innesto Trazione-Spinta – cambio anticipato	
P0826	Circuito Interruttore cambio marcia verso il basso/alto	
P0827	Circuito Interruttore cambio marcia verso il basso/alto – segnale basso	
P0828	Circuito Interruttore cambio marcia verso il basso/alto – segnale alto	
P0829	5-6 Cambio	
P0830	Circuito "A" Interruttore Pedale Frizione	
P0831	Circuito "A" Interruttore Pedale Frizione – segnale basso	

DTC number	DTC naming	Location
P0832	Circuito "A" Interruttore Pedale Frizione – segnale alto	
P0833	Circuito "B" Interruttore Pedale Frizione	
P0834	Circuito "B" Interruttore Pedale Frizione – segnale basso	
P0835	Circuito "B" Interruttore Pedale Frizione – segnale alto	
P0836	Circuito Interruttore 4 ruote motrici (4WD)	
P0837	Circuito Interruttore 4 ruote motrici (4WD) - Range/Prestazioni	
P0838	Circuito Interruttore 4 ruote motrici (4WD) – segnale basso	
P0839	Circuito Interruttore 4 ruote motrici (4WD) – segnale alto	
P0840	Sensore Pressione Fluido Trasmissione/Circuito Interruttore "A"	
P0841	Sensore Pressione Fluido Trasmissione/Circuito Interruttore "A" - Range/Prestazioni	
P0842	Sensore Pressione Fluido Trasmissione/Circuito Interruttore "A" – segnale basso	
P0843	Sensore Pressione Fluido Trasmissione/Circuito Interruttore "A" – segnale alto	
P0844	Sensore Pressione Fluido Trasmissione/Circuito Interr. "A" – segnale intermittente	
P0845	Sensore Pressione Fluido Trasmissione/Circuito Interruttore "B"	
P0846	Sensore Pressione Fluido Trasmissione/Circuito Interruttore "B" - Range/Prestazioni	
P0847	Sensore Pressione Fluido Trasmissione/Circuito Interruttore "B" - segnale basso	
P0848	Sensore Pressione Fluido Trasmissione/Circuito Interruttore "B" – segnale alto	
P0849	Sensore Pressione Fluido Trasmissione/Circuito Interruttore "B"–segnale intermittente	
P0850	Circuito Interruttore segnale Park/Neutral	
P0851	Circuito Interruttore segnale Park/Neutral - basso	
P0852	Circuito Interruttore segnale Park/Neutral - alto	
P0853	Circuito Interruttore Trasmissione	
P0854	Circuito Interruttore Trasmissione – segnale basso	
P0855	Circuito interruttore Trasmissione – segnale alto	
P0856	Input Segnale Controllo Trasmissione	
P0857	Input Segnale Controllo Trasmissione - Range/Prestazioni	
P0858	Input Segnale Controllo Trasmissione - basso	
P0859	Input Segnale Controllo Trasmissione - alto	
P0860	Gear Shift Module Communication Circuit	
P0861	Gear Shift Module Communication Circuit Low	
P0862	Gear Shift Module 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	

DTC number	DTC naming	Location
P0869	Transmission Fluid Pressure High	
P0870	Transmission Fluid Pressure Sensor/Switch "C" Circuit	
P0871	Transmission Fluid Pressure Sensor/Switch "C" Circuit Range/Performance	
P0872	Transmission Fluid Pressure Sensor/Switch "C" Circuit Low	
P0873	Transmission Fluid Pressure Sensor/Switch "C" Circuit High	
P0874	Transmission Fluid Pressure Sensor/Switch "C" Circuit Intermittent	
P0875	Transmission Fluid Pressure Sensor/Switch "D" Circuit	
P0876	Transmission Fluid Pressure Sensor/Switch "D" Circuit Range/Performance	
P0877	Transmission Fluid Pressure Sensor/Switch "D" Circuit Low	
P0878	Transmission Fluid Pressure Sensor/Switch "D" Circuit High	
P0879	Transmission Fluid Pressure Sensor/Switch "D" Circuit Intermittent	
P0880	TCM 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	
P0886	TCM Power Relay Control Circuit Low	
P0887	TCM Power Relay Control Circuit High	
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	

B.10 P09XX Transmission

Table B.10 — P09XX Transmission

DTC number	DTC naming	Location
P0900	Clutch Actuator Circuit/Open	
P0901	Clutch Actuator Circuit Range/Performance	
P0902	Clutch Actuator Circuit Low	
P0903	Clutch Actuator Circuit High	
P0904	Gate Select Position Circuit	
P0905	Gate Select Position Circuit Range/Performance	
P0906	Gate Select Position Circuit Low	
P0907	Gate Select Position Circuit High	
P0908	Gate Select Position Circuit Intermittent	
P0909	Gate Select Control Error	
P0910	Gate Select Actuator Circuit/Open	
P0911	Gate Select Actuator Circuit Range/Performance	
P0912	Gate Select Actuator Circuit Low	
P0913	Gate Select Actuator Circuit High	
P0914	Gear Shift Position Circuit	
P0915	Gear Shift Position Circuit Range/Performance	
P0916	Gear Shift Position Circuit Low	
P0917	Gear Shift Position Circuit High	
P0918	Gear Shift Position Circuit Intermittent	
P0919	Gear Shift Position Control Error	
P0920	Gear Shift Forward Actuator Circuit/Open	
P0921	Gear Shift Forward Actuator Circuit Range/Performance	
P0922	Gear Shift Forward Actuator Circuit Low	
P0923	Gear Shift Forward Actuator Circuit High	
P0924	Gear Shift Reverse Actuator Circuit/Open	
P0925	Gear Shift Reverse Actuator Circuit Range/Performance	
P0926	Gear Shift Reverse Actuator Circuit Low	
P0927	Gear Shift Reverse Actuator Circuit High	
P0928	Gear Shift Lock Solenoid Control Circuit/Open	
P0929	Gear Shift Lock Solenoid Control Circuit Range/Performance	
P0930	Gear Shift Lock Solenoid Control Circuit Low	
P0931	Gear Shift Lock Solenoid Control Circuit High	
P0932	Hydraulic Pressure Sensor Circuit	
P0933	Hydraulic Pressure Sensor Range/Performance	

DTC number	DTC naming	Location
P0934	Hydraulic Pressure Sensor Circuit Low	
P0935	Hydraulic Pressure Sensor Circuit High	
P0936	Hydraulic Pressure Sensor Circuit Intermittent	
P0937	Hydraulic Oil Temperature Sensor Circuit	
P0938	Hydraulic Oil Temperature Sensor Range/Performance	
P0939	Hydraulic Oil Temperature Sensor Circuit Low	
P0940	Hydraulic Oil Temperature Sensor Circuit High	
P0941	Hydraulic Oil Temperature Sensor Circuit Intermittent	
P0942	Hydraulic Pressure Unit	
P0943	Hydraulic Pressure Unit Cycling Period Too Short	
P0944	Hydraulic Pressure Unit Loss of Pressure	
P0945	Hydraulic Pump Relay Circuit/Open	
P0946	Hydraulic Pump Relay Circuit Range/Performance	
P0947	Hydraulic Pump Relay Circuit Low	
P0948	Hydraulic Pump Relay Circuit High	
P0949	Auto Shift Manual Adaptive Learning Not Complete	
P0950	Auto Shift Manual Control Circuit	
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	
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	
P0961	Pressure Control Solenoid "A" Control Circuit Range/Performance	
P0962	Pressure Control Solenoid "A" Control Circuit Low	
P0963	Pressure Control Solenoid "A" Control Circuit High	
P0964	Pressure Control Solenoid "B" Control Circuit/Open	
P0965	Pressure Control Solenoid "B" Control Circuit Range/Performance	
P0966	Pressure Control Solenoid "B" Control Circuit Low	
P0967	Pressure Control Solenoid "B" Control Circuit High	
P0968	Pressure Control Solenoid "C" Control Circuit/Open	

DTC number	DTC naming	Location
P0969	Pressure Control Solenoid "C" Control Circuit Range/Performance	
P0970	Pressure Control Solenoid "C" Control Circuit Low	
P0971	Pressure Control Solenoid "C" Control Circuit High	
P0972	Shift Solenoid "A" Control Circuit Range/Performance	
P0973	Shift Solenoid "A" Control Circuit Low	
P0974	Shift Solenoid "A" Control Circuit High	
P0975	Shift Solenoid "B" Control Circuit Range/Performance	
P0976	Shift Solenoid "B" Control Circuit Low	
P0977	Shift Solenoid "B" Control Circuit High	
P0978	Shift Solenoid "C" Control Circuit Range/Performance	
P0979	Shift Solenoid "C" Control Circuit Low	
P0980	Shift Solenoid "C" Control Circuit High	
P0981	Shift Solenoid "D" Control Circuit Range/Performance	
P0982	Shift Solenoid "D" Control Circuit Low	
P0983	Shift Solenoid "D" Control Circuit High	
P0984	Shift Solenoid "E" Control Circuit Range/Performance	
P0985	Shift Solenoid "E" Control Circuit Low	
P0986	Shift Solenoid "E" Control Circuit High	
P0987	Transmission Fluid Pressure Sensor/Switch "E" Circuit	
P0988	Transmission Fluid Pressure Sensor/Switch "E" Circuit Range/Performance	
P0989	Transmission Fluid Pressure Sensor/Switch "E" Circuit Low	
P0990	Transmission Fluid Pressure Sensor/Switch "E" Circuit High	
P0991	Transmission Fluid Pressure Sensor/Switch "E" Circuit Intermittent	
P0992	Transmission Fluid Pressure Sensor/Switch "F" Circuit	
P0993	Transmission Fluid Pressure Sensor/Switch "F" Circuit Range/Performance	
P0994	Transmission Fluid Pressure Sensor/Switch "F" Circuit Low	
P0995	Transmission Fluid Pressure Sensor/Switch "F" Circuit High	
P0996	Transmission Fluid Pressure Sensor/Switch "F" Circuit Intermittent	
P0997	Shift Solenoid "F" Control Circuit Range/Performance	
P0998	Shift Solenoid "F" Control Circuit Low	
P0999	Shift Solenoid "F" Control Circuit High	

B.11 P0AXX Hybrid Propulsion

Table B.11 — P0AXX Hybrid Propulsion

DTC number	DTC naming	Location
P0A00	Motor Electronics Coolant Temperature Sensor Circuit	
P0A01	Motor Electronics Coolant Temperature Sensor Circuit Range/Performance	
P0A02	Motor Electronics Coolant Temperature Sensor Circuit Low	
P0A03	Motor Electronics Coolant Temperature Sensor Circuit High	
P0A04	Motor Electronics Coolant Temperature Sensor Circuit Intermittent	
P0A05	Motor Electronics Coolant Pump Control Circuit/Open	
P0A06	Motor Electronics Coolant Pump Control Circuit Low	
P0A07	Motor Electronics Coolant Pump Control Circuit High	
P0A08	DC/DC Converter Status Circuit	
P0A09	DC/DC Converter Status Circuit Low Input	
P0A10	DC/DC Converter Status Circuit High Input	
P0A11	DC/DC Converter Enable Circuit/Open	
P0A12	DC/DC Converter Enable Circuit Low	
P0A13	DC/DC Converter Enable Circuit High	
P0A14	Engine Mount Control Circuit/Open	
P0A15	Engine Mount Control Circuit Low	
P0A16	Engine Mount Control Circuit High	
P0A17	Motor Torque Sensor Circuit	
P0A18	Motor Torque Sensor Circuit Range/Performance	
P0A19	Motor Torque Sensor Circuit Low	
P0A20	Motor Torque Sensor Circuit High	
P0A21	Motor Torque Sensor Circuit Intermittent	
P0A22	Generator Torque Sensor Circuit	
P0A23	Generator Torque Sensor Circuit Range/Performance	
P0A24	Generator Torque Sensor Circuit Low	
P0A25	Generator Torque Sensor Circuit High	
P0A26	Generator Torque Sensor Circuit Intermittent	
P0A27	Battery Power Off Circuit	
P0A28	Battery Power Off Circuit Low	
P0A29	Battery Power Off Circuit High	

B.12 P0BXX Reserved by Document

B.13 P0CXX Reserved by Document

B.14 P0DXX Reserved by Document

B.15 P0EXX Reserved by Document

B.16 P0FXX Reserved by Document

B.17 P10XX Manufacturer controlled fuel and air metering and auxiliary emission controls

B.18 P11XX Manufacturer controlled fuel and air metering

B.19 P12XX Manufacturer controlled fuel and air metering

B.20 P13XX Manufacturer controlled ignition system or misfire

B.21 P14XX Manufacturer controlled auxiliary emission controls

B.22 P15XX Manufacturer controlled vehicle speed, idle control, and auxiliary inputs

B.23 P16XX Manufacturer controlled computer and auxiliary outputs

B.24 P17XX Manufacturer controlled transmission

B.25 P18XX Manufacturer controlled transmission

B.26 P19XX Manufacturer controlled transmission

B.27 P20XX Fuel and air metering and auxiliary emission controls

Table B.12 — P20XX Fuel and air metering and auxiliary emission controls

DTC number	DTC naming	Location
P2000	NOx Trap Efficiency Below Threshold	Bank 1
P2001	NOx Trap Efficiency Below Threshold	Bank 2
P2002	Particulate Trap Efficiency Below Threshold	Bank 1
P2003	Particulate Trap Efficiency Below Threshold	Bank 2
P2004	Intake Manifold Runner Control Stuck Open	Bank 1 ^{a)}
P2005	Intake Manifold Runner Control Stuck Open	Bank 2 ^{a)}
P2006	Intake Manifold Runner Control Stuck Closed	Bank 1 ^{a)}
P2007	Intake Manifold Runner Control Stuck Closed	Bank 2 ^{a)}
P2008	Intake Manifold Runner Control Circuit/Open	Bank 1 ^{a)}
P2009	Intake Manifold Runner Control Circuit Low	Bank 1 ^{a)}
P2010	Intake Manifold Runner Control Circuit High	Bank 1 ^{a)}
P2011	Intake Manifold Runner Control Circuit/Open	Bank 2 ^{a)}
P2012	Intake Manifold Runner Control Circuit Low	Bank 2 ^{a)}
P2013	Intake Manifold Runner Control Circuit High	Bank 2 ^{a)}
P2014	Intake Manifold Runner Position Sensor/Switch Circuit	Bank 1 ^{a)}
P2015	Intake Manifold Runner Position Sensor/Switch Circuit Range/Performance	Bank 1 ^{a)}
P2016	Intake Manifold Runner Position Sensor/Switch Circuit Low	Bank 1 ^{a)}
P2017	Intake Manifold Runner Position Sensor/Switch Circuit High	Bank 1 ^{a)}
P2018	Intake Manifold Runner Position Sensor/Switch Circuit Intermittent	Bank 1 ^{a)}
P2019	Intake Manifold Runner Position Sensor/Switch Circuit	Bank 2 ^{a)}
P2020	Intake Manifold Runner Position Sensor/Switch Circuit Range/Performance	Bank 2 ^{a)}
P2021	Intake Manifold Runner Position Sensor/Switch Circuit Low	Bank 2 ^{a)}
P2022	Intake Manifold Runner Position Sensor/Switch Circuit High	Bank 2 ^{a)}
P2023	Intake Manifold Runner Position Sensor/Switch Circuit Intermittent	Bank 2 ^{a)}
P2024	Evaporative Emissions (EVAP) Fuel Vapor Temperature Sensor Circuit	
P2025	Evaporative Emissions (EVAP) Fuel Vapor Temperature Sensor Performance	
P2026	Evaporative Emissions (EVAP) Fuel Vapor Temperature Sensor Circuit Low Voltage	
P2027	Evaporative Emissions (EVAP) Fuel Vapor Temperature Sensor Circuit High Voltage	
P2028	Evaporative Emissions (EVAP) Fuel Vapor Temperature Sensor Circuit Intermittent	
P2029	Fuel Fired Heater Disabled	

DTC number	DTC naming	Location
P2030	Fuel Fired Heater Performance	
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	
P2038	Reductant Injection Air Pressure Sensor Circuit Range/Performance	
P2039	Reductant Injection Air Pressure Sensor Circuit Low Input	
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
P2048	Reductant Injector Circuit Low	Bank 1 Unit 1
P2049	Reductant Injector Circuit High	Bank 1 Unit 1
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
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	
P2060	Reductant Injection Air Pump Control Circuit Low	
P2061	Reductant Injection Air Pump Control Circuit High	
P2062	Reductant Supply Control Circuit/Open	
P2063	Reductant Supply Control Circuit Low	
P2064	Reductant Supply Control Circuit High	
P2065	Fuel Level Sensor "B" Circuit	
P2066	Fuel Level Sensor "B" Performance	

DTC number	DTC naming	Location
P2067	Fuel Level Sensor "B" Circuit Low	
P2068	Fuel Level Sensor "B" Circuit High	
P2069	Fuel Level Sensor "B" Circuit Intermittent	
P2070	Intake Manifold Tuning (IMT) Valve Stuck Open	a)
P2071	Intake Manifold Tuning (IMT) Valve Stuck Closed	a)
P2075	Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit	a)
P2076	Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit Range/Performance	a)
P2077	Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit Low	a)
P2078	Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit High	a)
P2079	Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit Intermittent	a)
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 1)	"A" Camshaft Position Actuator Control Circuit Low	Bank 1 b)
P2089 1)	"A" Camshaft Position Actuator Control Circuit High	Bank 1 b)
P2090 1)	"B" Camshaft Position Actuator Control Circuit Low	Bank 1 c)
P2091 1)	"B" Camshaft Position Actuator Control Circuit High	Bank 1 c)
P2092 1)	"A" Camshaft Position Actuator Control Circuit Low	Bank 2 b)
P2093 1)	"A" Camshaft Position Actuator Control Circuit High	Bank 2 b)
P2094 1)	"B" Camshaft Position Actuator Control Circuit Low	Bank 2 c)
P2095 1)	"B" Camshaft Position Actuator Control Circuit High	Bank 2 c)
P2096	Post Catalyst Fuel Trim System Too Lean	Bank 1
P2097	Post Catalyst Fuel Trim System Too Rich	Bank 1
P2098	Post Catalyst Fuel Trim System Too Lean	Bank 2
P2099	Post Catalyst Fuel Trim System Too Rich	Bank 2
NOTE 1) For DTCs P2088 - P2095 also see P0010 - P0023		

DTC number	DTC naming	Location
a)	DTC Application note for Intake Manifold Tuning Valves and Intake Manifold Runner controls: Active controls are used modify or control airflow within the engine air intake system. These controls may be used to enhance or modify in-cylinder airflow motion (charge motion), modify the airflow dynamics (manifold tuning) within the intake manifold or both. Devices that control charge motion are commonly called Intake Manifold Runner Control, Swirl Control Valve, and Charge Motion Control Valve. The SAE recommended term for any device that controls charge motion is Intake Manifold Runner Control (IMRC). Devices that control manifold dynamics or manifold tuning are commonly called Intake Manifold Tuning Valve, Long/Short Runner Control and Intake Manifold Communication Control. The SAE recommended term for any device that controls manifold tuning is Intake Manifold Tuning (IMT) Valve.	
b)	The "A" camshaft shall be either the "intake," "left," or "front camshaft. Left/Right and Front/Rear are determined as viewed from the driver's seating position. Bank 1 contains cylinder number one, Bank 2 is the opposite bank.	
c)	The "B" camshaft shall be either the "exhaust," "right," or "rear" camshaft. Left/Right and Front/Rear are determined as viewed from the driver's seating position. Bank 1 contains cylinder number one, Bank 2 is the opposite bank.	

B.28 P21XX Fuel and air metering and auxiliary emission controls

Table B.13 — P21XX Fuel and air metering and auxiliary emission controls

DTC number	DTC naming	Location
P2100 ¹⁾	Throttle Actuator Control Motor Circuit/Open	
P2101 ¹⁾	Throttle Actuator Control Motor Circuit Range/Performance	
P2102 ¹⁾	Throttle Actuator Control Motor Circuit Low	
P2103 ¹⁾	Throttle Actuator Control Motor Circuit High	
P2104 ¹⁾	Throttle Actuator Control System - Forced Idle	
P2105 ¹⁾	Throttle Actuator Control System - Forced Engine Shutdown	
P2106 ¹⁾	Throttle Actuator Control System - Forced Limited Power	
P2107 ¹⁾	Throttle Actuator Control Module Processor	
P2108 ¹⁾	Throttle Actuator Control Module Performance	
P2109 ¹⁾	Throttle/Pedal Position Sensor "A" Minimum Stop Performance	
P2110 ¹⁾	Throttle Actuator Control System - Forced Limited RPM	
P2111 ¹⁾	Throttle Actuator Control System - Stuck Open	
P2112 ¹⁾	Throttle Actuator Control System - Stuck Closed	
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 ¹⁾	Throttle Actuator Control Motor Current Range/Performance	
P2119 ¹⁾	Throttle Actuator Control Throttle Body Range/Performance	

DTC number	DTC naming	Location
P2120	Throttle/Pedal Position Sensor/Switch "D" Circuit	
P2121	Throttle/Pedal Position Sensor/Switch "D" Circuit Range/Performance	
P2122	Throttle/Pedal Position Sensor/Switch "D" Circuit Low Input	
P2123	Throttle/Pedal Position Sensor/Switch "D" Circuit High Input	
P2124	Throttle/Pedal Position Sensor/Switch "D" Circuit Intermittent	
P2125	Throttle/Pedal Position Sensor/Switch "E" Circuit	
P2126	Throttle/Pedal Position Sensor/Switch "E" Circuit Range/Performance	
P2127	Throttle/Pedal Position Sensor/Switch "E" Circuit Low Input	
P2128	Throttle/Pedal Position Sensor/Switch "E" Circuit High Input	
P2129	Throttle/Pedal Position Sensor/Switch "E" Circuit Intermittent	
P2130	Throttle/Pedal Position Sensor/Switch "F" Circuit	
P2131	Throttle/Pedal Position Sensor/Switch "F" Circuit Range Performance	
P2132	Throttle/Pedal Position Sensor/Switch "F" Circuit Low Input	
P2133	Throttle/Pedal Position Sensor/Switch "F" Circuit High Input	
P2134	Throttle/Pedal Position Sensor/Switch "F" Circuit Intermittent	
P2135	Throttle/Pedal Position Sensor/Switch "A" / "B" Voltage Correlation	
P2136	Throttle/Pedal Position Sensor/Switch "A" / "C" Voltage Correlation	
P2137	Throttle/Pedal Position Sensor/Switch "B" / "C" Voltage Correlation	
P2138	Throttle/Pedal Position Sensor/Switch "D" / "E" Voltage Correlation	
P2139	Throttle/Pedal Position Sensor/Switch "D" / "F" Voltage Correlation	
P2140	Throttle/Pedal Position Sensor/Switch "E" / "F" Voltage Correlation	
P2141 2)	Exhaust Gas Recirculation Throttle Control Circuit Low	
P2142 2)	Exhaust Gas Recirculation Throttle Control Circuit High	
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	
P2148	Fuel Injector Group "A" Supply Voltage Circuit High	
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	

DTC number	DTC naming	Location
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	
P2160	Vehicle Speed Sensor "B" Circuit Low	
P2161	Vehicle Speed Sensor "B" Intermittent/Erratic	
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	
P2177 ^{a)}	System Too Lean Off Idle	Bank 1
P2178 ^{a)}	System Too Rich Off Idle	Bank 1
P2179 ^{a)}	System Too Lean Off Idle	Bank 2
P2180 ^{a)}	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

DTC number	DTC naming	Location
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 Stuck Lean	Bank 1 Sensor 1
P2196	O2 Sensor Signal Stuck Rich	Bank 1 Sensor 1
P2197	O2 Sensor Signal Stuck Lean	Bank 2 Sensor 1
P2198	O2 Sensor Signal Stuck Rich	Bank 2 Sensor 1
P2199	Intake Air Temperature Sensor 1 / 2 Correlation	
NOTE 1) For Throttle Actuator Control DTCs also see P0638 - P0639		
NOTE 2) DTCs P2141 - P2142 should be used with P0487 - P0488		
a) Use P2177 – P2180 for fuel systems with multiple load ranges.		

B.29 P22XX Fuel and air metering and auxiliary emission controls

Table B.14 — P22XX Fuel and air metering and auxiliary emission controls

DTC number	DTC naming	Location
P2200	NOx Sensor Circuit	Bank 1
P2201	NOx Sensor Circuit Range/Performance	Bank 1
P2202	NOx Sensor Circuit Low Input	Bank 1
P2203	NOx Sensor Circuit High Input	Bank 1
P2204	NOx Sensor Circuit Intermittent Input	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

DTC number	DTC naming	Location
P2215	NOx Sensor Circuit Low Input	Bank 2
P2216	NOx Sensor Circuit High Input	Bank 2
P2217	NOx Sensor Circuit Intermittent Input	Bank 2
P2218	NOx Sensor Heater Control Circuit/Open	Bank 2
P2219	NOx Sensor Heater Control Circuit Low	Bank 2
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	Bank 2
P2224	NOx Sensor Heater Sense Circuit High	Bank 2
P2225	NOx Sensor Heater Sense Circuit Intermittent	Bank 2
P2226	Barometric Pressure Circuit	
P2227	Barometric Pressure Circuit Range/Performance	
P2228	Barometric Pressure Circuit Low	
P2229	Barometric Pressure Circuit High	
P2230	Barometric Pressure Circuit Intermittent	
P2231 ₁₎	O2 Sensor Signal Circuit Shorted to Heater Circuit	Bank 1 Sensor 1
P2232 ₁₎	O2 Sensor Signal Circuit Shorted to Heater Circuit	Bank 1 Sensor 2
P2233 ₁₎	O2 Sensor Signal Circuit Shorted to Heater Circuit	Bank 1 Sensor 3
P2234 ₁₎	O2 Sensor Signal Circuit Shorted to Heater Circuit	Bank 2 Sensor 1
P2235 ₁₎	O2 Sensor Signal Circuit Shorted to Heater Circuit	Bank 2 Sensor 2
P2236 ₁₎	O2 Sensor Signal Circuit Shorted to Heater Circuit	Bank 2 Sensor 3
P2237 ₂₎	O2 Sensor Positive Current Control Circuit/Open	Bank 1 Sensor 1
P2238 ₂₎	O2 Sensor Positive Current Control Circuit Low	Bank 1 Sensor 1
P2239 ₂₎	O2 Sensor Positive Current Control Circuit High	Bank 1 Sensor 1
P2240 ₂₎	O2 Sensor Positive Current Control Circuit/Open	Bank 2 Sensor 1
P2241 ₂₎	O2 Sensor Positive Current Control Circuit Low	Bank 2 Sensor 1
P2242 ₂₎	O2 Sensor Positive Current Control Circuit High	Bank 2 Sensor 1
P2243 ₂₎	O2 Sensor Reference Voltage Circuit/Open	Bank 1 Sensor 1
P2244 ₂₎	O2 Sensor Reference Voltage Performance	Bank 1 Sensor 1
P2245 ₂₎	O2 Sensor Reference Voltage Circuit Low	Bank 1 Sensor 1
P2246 ₂₎	O2 Sensor Reference Voltage Circuit High	Bank 1 Sensor 1
P2247 ₂₎	O2 Sensor Reference Voltage Circuit/Open	Bank 2 Sensor 1
P2248 ₂₎	O2 Sensor Reference Voltage Performance	Bank 2 Sensor 1
P2249 ₂₎	O2 Sensor Reference Voltage Circuit Low	Bank 2 Sensor 1
P2250 ₂₎	O2 Sensor Reference Voltage Circuit High	Bank 2 Sensor 1
P2251 ₂₎	O2 Sensor Negative Current Control Circuit/Open	Bank 1 Sensor 1

DTC number	DTC naming	Location
P2252 ₂₎	O2 Sensor Negative Current Control Circuit Low	Bank 1 Sensor 1
P2253 ₂₎	O2 Sensor Negative Current Control Circuit High	Bank 1 Sensor 1
P2254 ₂₎	O2 Sensor Negative Current Control Circuit/Open	Bank 2 Sensor 1
P2255 ₂₎	O2 Sensor Negative Current Control Circuit Low	Bank 2 Sensor 1
P2256 ₂₎	O2 Sensor Negative Current Control Circuit High	Bank 2 Sensor 1
P2257	Secondary Air Injection System Control "A" Circuit Low	
P2258	Secondary Air Injection System Control "A" Circuit High	
P2259	Secondary Air Injection System Control "B" Circuit Low	
P2260	Secondary Air Injection System Control "B" Circuit High	
P2261	Turbo/Super Charger Bypass Valve - Mechanical	
P2262	Turbo Boost Pressure Not Detected - Mechanical	
P2263	Turbo/Super Charger Boost System Performance	
P2264	Water in Fuel Sensor Circuit	
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	
P2270	O2 Sensor Signal Stuck Lean	Bank 1 Sensor 2
P2271	O2 Sensor Signal Stuck Rich	Bank 1 Sensor 2
P2272	O2 Sensor Signal Stuck Lean	Bank 2 Sensor 2
P2273	O2 Sensor Signal Stuck Rich	Bank 2 Sensor 2
P2274	O2 Sensor Signal Stuck Lean	Bank 1 Sensor 3
P2275	O2 Sensor Signal Stuck Rich	Bank 1 Sensor 3
P2276	O2 Sensor Signal Stuck Lean	Bank 2 Sensor 3
P2277	O2 Sensor Signal Stuck Rich	Bank 2 Sensor 3
P2278	O2 Sensor Signals Swapped Bank 1 Sensor 3 / Bank 2 Sensor 3	
P2279	Intake Air System Leak	
P2280	Air Flow Restriction / Air Leak Between Air Filter and MAF	
P2281	Air Leak Between MAF and Throttle Body	
P2282	Air Leak Between Throttle Body and Intake Valves	
P2283	Injector Control Pressure Sensor Circuit	
P2284	Injector Control Pressure Sensor Circuit Range/Performance	
P2285	Injector Control Pressure Sensor Circuit Low	
P2286	Injector Control Pressure Sensor Circuit High	

DTC number	DTC naming	Location
P2287	Injector Control Pressure Sensor Circuit Intermittent	
P2288	Injector Control Pressure Too High	
P2289	Injector Control Pressure Too High – Engine Off	
P2290	Injector Control Pressure Too Low	
P2291	Injector Control Pressure Too Low – Engine Cranking	
P2292	Injector Control Pressure Erratic	
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	
NOTE 1) P2231-P2236, This diagnostic is for the sensors (both wide band and switching) that have a PWM controlled heater. If the heater shorts to the signal circuit, the control module can determine this since the signal circuit will be shorted high at the same frequency that the heaters are operating at.		
NOTE 2) P2237-P2256, These are the diagnostics for the primary circuits of the wide band oxygen sensors.		

B.30 P23XX Ignition system or misfire

Table B.15 — P23XX Ignition system or misfire

DTC number	DTC naming	Location
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	

DTC number	DTC naming	Location
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	
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	

B.31 P24XX Auxiliary Emission Controls

Table B.16 — P24XX Auxiliary Emission Controls

DTC number	DTC naming	Location
P2400	Evaporative Emission System Leak Detection Pump Control Circuit/Open	
P2401	Evaporative Emission System Leak Detection Pump Control Circuit Low	
P2402	Evaporative Emission System Leak Detection Pump Control Circuit High	
P2403	Evaporative Emission System Leak Detection Pump Sense Circuit/Open	
P2404	Evaporative Emission System Leak Detection Pump Sense Circuit Range/Performance	
P2405	Evaporative Emission System Leak Detection Pump Sense Circuit Low	
P2406	Evaporative Emission System Leak Detection Pump Sense Circuit High	
P2407	Evaporative Emission System Leak Detection Pump Sense Circuit Intermittent/Erratic	
P2408	Fuel Cap Sensor/Switch Circuit	
P2409	Fuel Cap Sensor/Switch Circuit Range/Performance	
P2410	Fuel Cap Sensor/Switch Circuit Low	
P2411	Fuel Cap Sensor/Switch Circuit High	
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	O2 Sensor Signals Swapped Bank 1 Sensor 2 / Bank 1 Sensor 3	
P2417	O2 Sensor Signals Swapped Bank 2 Sensor 2 / Bank 2 Sensor 3	
P2418	Evaporative Emission System Switching Valve Control Circuit /Open	
P2419	Evaporative Emission System Switching Valve Control Circuit Low	
P2420	Evaporative Emission System Switching Valve Control Circuit High	
P2421	Evaporative Emission System Vent Valve Stuck Open	
P2422	Evaporative Emission System Vent Valve Stuck Closed	
P2423	HC Adsorption Catalyst Efficiency Below Threshold	Bank 1
P2424	HC Adsorption 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
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	Bank 1

DTC number	DTC naming	Location
P2433	Secondary Air Injection System Air Flow/Pressure Sensor Circuit High	Bank 1
P2434	Secondary Air Injection System Air Flow/Pressure Sensor Circuit Intermittent/Erratic	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	Bank 2
P2438	Secondary Air Injection System Air Flow/Pressure Sensor Circuit High	Bank 2
P2439	Secondary Air Injection System Air Flow/Pressure Sensor Circuit Intermittent/Erratic	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

B.32 P25XX Auxiliary Inputs

Table B.17 — P25XX Auxiliary Inputs

DTC number	DTC naming	Location
P2500	Generator Lamp/L-Terminal Circuit Low	
P2501	Generator Lamp/L-Terminal Circuit High	
P2502	Charging System Voltage	
P2503	Charging System Voltage Low	
P2504	Charging System Voltage High	
P2505 ¹⁾	ECM/PCM Power Input Signal	
P2506 ¹⁾	ECM/PCM Power Input Signal Range/Performance	
P2507 ¹⁾	ECM/PCM Power Input Signal Low	
P2508 ¹⁾	ECM/PCM Power Input Signal High	
P2509 ¹⁾	ECM/PCM Power Input Signal Intermittent	
P2510	ECM/PCM Power Relay Sense Circuit Range/Performance	
P2511	ECM/PCM Power Relay Sense Circuit Intermittent	
P2512	Event Data Recorder Request Circuit/ Open	
P2513	Event Data Recorder Request Circuit Low	

DTC number	DTC naming	Location
P2514	Event Data Recorder Request Circuit High	
P2515	A/C Refrigerant Pressure Sensor "B" Circuit	
P2516	A/C Refrigerant Pressure Sensor "B" Circuit Range/Performance	
P2517	A/C Refrigerant Pressure Sensor "B" Circuit Low	
P2518	A/C Refrigerant Pressure Sensor "B" Circuit High	
P2519	A/C Request "A" Circuit	
P2520	A/C Request "A" Circuit Low	
P2521	A/C Request "A" Circuit High	
P2522	A/C Request "B" Circuit	
P2523	A/C Request "B" Circuit Low	
P2524	A/C Request "B" Circuit High	
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	
P2530	Ignition Switch Run Position Circuit	
P2531	Ignition Switch Run Position Circuit Low	
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	
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	
P2540	Low Pressure Fuel System Sensor Circuit Range/Performance	
P2541	Low Pressure Fuel System Sensor Circuit Low	
P2542	Low Pressure Fuel System Sensor Circuit High	
P2543	Low Pressure Fuel System Sensor Circuit Intermittent	
P2544	Torque Management Request Input Signal "A"	
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	
P2550	Torque Management Request Input Signal "B" Low	

DTC number	DTC naming	Location
P2551	Torque Management Request Input Signal "B" High	
P2552	Throttle/Fuel Inhibit Circuit	
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	
P2560	Engine Coolant Level Low	
P2561	A/C Control Module Requested MIL Illumination	
P2562	Turbocharger Boost Control Position Sensor Circuit	
P2563	Turbocharger Boost Control Position Sensor Circuit Range/Performance	
P2564	Turbocharger Boost Control Position Sensor Circuit Low	
P2565	Turbocharger Boost Control Position Sensor Circuit High	
P2566	Turbocharger Boost Control Position Sensor 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	
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	
NOTE 1) For DTCs P2505 - P2509 also see P0685		

B.33 P26XX Computer & Auxiliary Outputs

Table B.18 — P26XX Computer & Auxiliary Outputs

DTC number	DTC naming	Location
P2600	Coolant Pump Control Circuit/Open	
P2601	Coolant Pump Control Circuit Range/Performance	
P2602	Coolant Pump Control Circuit Low	
P2603	Coolant Pump Control Circuit High	
P2604 ¹⁾	Intake Air Heater "A" Circuit Range/Performance	
P2605 ¹⁾	Intake Air Heater "A" Circuit/Open	
P2606 ¹⁾	Intake Air Heater "B" Circuit Range/Performance	
P2607 ¹⁾	Intake Air Heater "B" Circuit Low	
P2608 ¹⁾	Intake Air Heater "B" Circuit High	
P2609 ¹⁾	Intake Air Heater System Performance	
P2610	ECM/PCM Internal Engine Off Timer Performance	
P2611	A/C Refrigerant Distribution Valve Control Circuit/Open	
P2612	A/C Refrigerant Distribution Valve Control Circuit Low	
P2613	A/C Refrigerant Distribution Valve Control Circuit High	
P2614	Camshaft Position Signal Output Circuit/Open	
P2615	Camshaft Position Signal Output Circuit Low	
P2616	Camshaft Position Signal Output Circuit High	
P2617	Crankshaft Position Signal Output Circuit/Open	
P2618	Crankshaft Position Signal Output Circuit Low	
P2619	Crankshaft Position Signal Output Circuit High	
P2620	Throttle Position Output Circuit/Open	
P2621	Throttle Position Output Circuit Low	
P2622	Throttle Position Output Circuit High	
P2623	Injector Control Pressure Regulator Circuit/Open	
P2624	Injector Control Pressure Regulator Circuit Low	
P2625	Injector Control Pressure Regulator Circuit High	
P2626	O2 Sensor Pumping Current Trim Circuit/Open	Bank 1 Sensor 1
P2627	O2 Sensor Pumping Current Trim Circuit Low	Bank 1 Sensor 1
P2628	O2 Sensor Pumping Current Trim Circuit High	Bank 1 Sensor 1
P2629	O2 Sensor Pumping Current Trim Circuit/Open	Bank 2 Sensor 1
P2630	O2 Sensor Pumping Current Trim Circuit Low	Bank 2 Sensor 1
P2631	O2 Sensor Pumping Current Trim Circuit High	Bank 2 Sensor 1
P2632	Fuel Pump "B" Control Circuit /Open	
P2633	Fuel Pump "B" Control Circuit Low	

DTC number	DTC naming	Location
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"	
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)	"A" Rocker Arm Actuator Control Circuit/Open	Bank 1
P2646 a)	"A" Rocker Arm Actuator System Performance or Stuck Off	Bank 1
P2647 a)	"A" Rocker Arm Actuator System Stuck On	Bank 1
P2648 a)	"A" Rocker Arm Actuator Control Circuit Low	Bank 1
P2649 a)	"A" Rocker Arm Actuator Control Circuit High	Bank 1
P2650 b)	"B" Rocker Arm Actuator Control Circuit/Open	Bank 1
P2651 b)	"B" Rocker Arm Actuator System Performance or Stuck Off	Bank 1
P2652 b)	"B" Rocker Arm Actuator System Stuck On	Bank 1
P2653 b)	"B" Rocker Arm Actuator Control Circuit Low	Bank 1
P2654 b)	"B" Rocker Arm Actuator Control Circuit High	Bank 1
P2655 a)	"A" Rocker Arm Actuator Control Circuit/Open	Bank 2
P2656 a)	"A" Rocker Arm Actuator System Performance or Stuck Off	Bank 2
P2657 a)	"A" Rocker Arm Actuator System Stuck On	Bank 2
P2658 a)	"A" Rocker Arm Actuator Control Circuit Low	Bank 2
P2659 a)	"A" Rocker Arm Actuator Control Circuit High	Bank 2
P2660 b)	"B" Rocker Arm Actuator Control Circuit/Open	Bank 2
P2661 b)	"B" Rocker Arm Actuator System Performance or Stuck Off	Bank 2
P2662 b)	"B" Rocker Arm Actuator System Stuck On	Bank 2
P2663 b)	"B" Rocker Arm Actuator Control Circuit Low	Bank 2
P2664 b)	"B" Rocker Arm Actuator Control Circuit High	Bank 2
P2665	Fuel Shutoff Valve "B" Control Circuit/Open	

DTC number	DTC naming	Location
P2666	Fuel Shutoff Valve "B" Control Circuit Low	
P2667	Fuel Shutoff Valve "B" Control Circuit High	
P2668	Fuel Mode Indicator Lamp Control Circuit	
P2669	Actuator Supply Voltage "B" Circuit /Open	
P2670	Actuator Supply Voltage "B" Circuit Low	
P2671	Actuator Supply Voltage "B" Circuit High	
NOTE 1) For DTCs P2604 - P2609 also see P0540 - P0543		
a) The "A" rocker arm actuator shall be either the "intake," "left," or "front" rocker arm actuator. Left/Right and Front/Rear are determined as if viewed from the driver's seating position. Bank 1 contains cylinder number one, Bank 2 is the opposite bank. Where only one rocker arm actuator is used for both conditions "A" and "B", use the DTCs for "A".		
b) The "B" rocker arm actuator shall be either the "exhaust," "right," or "rear" rocker arm actuator. Left/Right and Front/Rear are determined as if viewed from the driver's seating position. Bank 1 contains cylinder number one, Bank 2 is the opposite bank. Where only one rocker arm actuator is used for both conditions "A" and "B", use the DTCs for "A".		

B.34 P27XX Transmission

Table B.19 — P27XX Transmission

DTC number	DTC naming	Location
P2700	Transmission Friction Element "A" Apply Time Range/Performance	
P2701	Transmission Friction Element "B" Apply Time Range/Performance	
P2702	Transmission Friction Element "C" Apply Time Range/Performance	
P2703	Transmission Friction Element "D" Apply Time Range/Performance	
P2704	Transmission Friction Element "E" Apply Time Range/Performance	
P2705	Transmission Friction Element "F" Apply Time Range/Performance	
P2706	Shift Solenoid "F"	
P2707	Shift Solenoid "F" Performance or 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 Power Unit Leakage	
P2713	Pressure Control Solenoid "D"	
P2714	Pressure Control Solenoid "D" Performance or 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	

DTC number	DTC naming	Location
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 or 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 or 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	
P2740	Transmission Fluid Temperature Sensor "B" Circuit"	
P2741	Transmission Fluid Temperature Sensor "B" Circuit Range Performance	
P2742	Transmission Fluid Temperature Sensor "B" Circuit Low	
P2743	Transmission Fluid Temperature Sensor "B" Circuit High	
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	

DTC number	DTC naming	Location
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 Performance or Stuck Off	
P2758	Torque Converter Clutch Pressure Control Solenoid Control Circuit Stuck On	
P2759	Torque Converter Clutch Pressure Control Solenoid Control Circuit Electrical	
P2760	Torque Converter Clutch Pressure Control Solenoid Control Circuit Intermittent	
P2761	Torque Converter Clutch Pressure Control Solenoid Control Circuit/Open	
P2762	Torque Converter Clutch Pressure Control Solenoid Control Circuit Range/Performance	
P2763	Torque Converter Clutch Pressure Control Solenoid Control Circuit High	
P2764	Torque Converter Clutch Pressure Control Solenoid Control Circuit Low	
P2765	Input/Turbine Speed Sensor "B" Circuit	
P2766	Input/Turbine Speed Sensor "B" Circuit Range/Performance	
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	

DTC number	DTC naming	Location
P2790	Gate Select Direction Circuit	
P2791	Gate Select Direction Circuit Low	
P2792	Gate Select Direction Circuit High	
P2793	Gear Shift Direction Circuit	
P2794	Gear Shift Direction Circuit Low	
P2795	Gear Shift Direction Circuit High	

B.35 P28XX ISO/SAE reserved

B.36 P29XX Fuel and air metering and auxiliary emission controls

Table B.20 — P29XX Fuel and air metering and auxiliary emission controls

DTC number	DTC naming	Location
P2A00	O2 Sensor Circuit Range/Performance	Bank 1 Sensor 1
P2A01	O2 Sensor Circuit Range/Performance	Bank 1 Sensor 2
P2A02	O2 Sensor Circuit Range/Performance	Bank 1 Sensor 3
P2A03	O2 Sensor Circuit Range/Performance	Bank 2 Sensor 1
P2A04	O2 Sensor Circuit Range/Performance	Bank 2 Sensor 2
P2A05	O2 Sensor Circuit Range/Performance	Bank 2 Sensor 3

B.37 P30XX Fuel and air metering and auxiliary emission controls

B.38 P31XX Fuel and air metering and auxiliary emission controls

B.39 P32XX Fuel and air metering and auxiliary emission controls

B.40 P33XX Ignition system or misfire

B.41 P34XX Cylinder Deactivation

Table B.21 — P34XX Cylinder Deactivation

DTC number	DTC naming	Location
P3400	Cylinder Deactivation System	Bank 1
P3401	Cylinder 1 Deactivation/Intake Valve Control Circuit/Open	
P3402	Cylinder 1 Deactivation/Intake Valve Control Performance	
P3403	Cylinder 1 Deactivation/Intake Valve Control Circuit Low	
P3404	Cylinder 1 Deactivation/Intake Valve Control Circuit High	
P3405	Cylinder 1 Exhaust Valve Control Circuit/Open	
P3406	Cylinder 1 Exhaust Valve Control 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 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/Open	
P3414	Cylinder 2 Exhaust Valve Control 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 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/Open	
P3422	Cylinder 3 Exhaust Valve Control 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 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/Open	
P3430	Cylinder 4 Exhaust Valve Control 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 Performance	
P3435	Cylinder 5 Deactivation/Intake Valve Control Circuit Low	

DTC number	DTC naming	Location
P3436	Cylinder 5 Deactivation/Intake Valve Control Circuit High	
P3437	Cylinder 5 Exhaust Valve Control Circuit/Open	
P3438	Cylinder 5 Exhaust Valve Control 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 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/Open	
P3446	Cylinder 6 Exhaust Valve Control 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 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/Open	
P3454	Cylinder 7 Exhaust Valve Control 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 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/Open	
P3462	Cylinder 8 Exhaust Valve Control Performance	
P3463	Cylinder 8 Exhaust Valve Control Circuit Low	
P3464	Cylinder 8 Exhaust Valve Control Circuit High	
P3465	Cylinder 9 Deactivation/Intake Valve Control Circuit/Open	
P3466	Cylinder 9 Deactivation/Intake Valve Control 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/Open	
P3470	Cylinder 9 Exhaust Valve Control Performance	

DTC number	DTC naming	Location
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 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/Open	
P3478	Cylinder 10 Exhaust Valve Control 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 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/Open	
P3486	Cylinder 11 Exhaust Valve Control 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 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/Open	
P3494	Cylinder 12 Exhaust Valve Control Performance	
P3495	Cylinder 12 Exhaust Valve Control Circuit Low	
P3496	Cylinder 12 Exhaust Valve Control Circuit High	
P3497	Cylinder Deactivation System	Bank 2

B.42 P35XX ISO/SAE reserved

B.43 P36XX ISO/SAE reserved

B.44 P37XX ISO/SAE reserved

B.45 P38XX ISO/SAE reserved

B.46 P39XX ISO/SAE reserved

Annex C (normative)

Network communication groupings

C.1 U00XX Network Electrical

Table C.1 — U00XX Network Electrical

DTC number	DTC naming	Location
U0001	High Speed CAN Communication Bus	
U0002	High Speed CAN Communication Bus Performance	
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	

DTC number	DTC naming	Location
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	

DTC number	DTC naming	Location
U0060	Vehicle Communication Bus D (-) Open	
U0061	Vehicle Communication Bus D (-) Low	
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	
U0074	Reserved by Document	
U0075	Reserved by Document	
U0076	Reserved by Document	
U0077	Reserved by Document	
U0078	Reserved by Document	
U0079	Reserved by Document	
U0080	Reserved by Document	
U0081	Reserved by Document	
U0082	Reserved by Document	
U0083	Reserved by Document	
U0084	Reserved by Document	
U0085	Reserved by Document	
U0086	Reserved by Document	
U0087	Reserved by Document	
U0088	Reserved by Document	
U0089	Reserved by Document	
U0090	Reserved by Document	
U0091	Reserved by Document	
U0092	Reserved by Document	
U0093	Reserved by Document	
U0094	Reserved by Document	

DTC number	DTC naming	Location
U0095	Reserved by Document	
U0096	Reserved by Document	
U0097	Reserved by Document	
U0098	Reserved by Document	
U0099	Reserved by Document	

C.2 U01XX Network Communication

Table C.2 — U01XX Network Communication

DTC number	DTC naming	Location
U0100	Lost Communication With ECM/PCM "A"	
U0101	Lost Communication with TCM	
U0102	Lost Communication with Transfer Case Control Module	
U0103	Lost Communication With Gear Shift Module	
U0104	Lost Communication With Cruise Control Module	
U0105	Lost Communication With Fuel Injector Control Module	
U0106	Lost Communication With Glow Plug Control Module	
U0107	Lost Communication With Throttle Actuator Control Module	
U0108	Lost Communication With Alternative Fuel Control Module	
U0109	Lost Communication With Fuel Pump Control Module	
U0110	Lost Communication With Drive Motor Control Module	
U0111	Lost Communication With Battery Energy Control Module "A"	
U0112	Lost Communication With Battery Energy Control Module "B"	
U0113	Lost Communication With Emissions Critical Control Information	
U0114	Lost Communication With Four-Wheel Drive Clutch Control Module	
U0115	Lost Communication With ECM/PCM "B"	
U0116	Reserved by Document	
U0117	Reserved by Document	
U0118	Reserved by Document	
U0119	Reserved by Document	
U0120	Reserved by Document	
U0121	Lost Communication With Anti-Lock Brake System (ABS) Control Module	
U0122	Lost Communication With Vehicle Dynamics Control Module	

DTC number	DTC naming	Location
U0123	Lost Communication With Yaw Rate Sensor Module	
U0124	Lost Communication With Lateral Acceleration Sensor Module	
U0125	Lost Communication With Multi-axis Acceleration Sensor Module	
U0126	Lost Communication With Steering Angle Sensor Module	
U0127	Lost Communication With Tire Pressure Monitor Module	
U0128	Lost Communication With Park Brake Control Module	
U0129	Lost Communication With Brake System Control Module	
U0130	Lost Communication With Steering Effort Control Module	
U0131	Lost Communication With Power Steering Control Module	
U0132	Lost Communication With Ride Level Control Module	
U0133	Reserved by Document	
U0134	Reserved by Document	
U0135	Reserved by Document	
U0136	Reserved by Document	
U0137	Reserved by Document	
U0138	Reserved by Document	
U0139	Reserved by Document	
U0140	Lost Communication With Body Control Module	
U0141	Lost Communication With Body Control Module "A"	
U0142	Lost Communication With Body Control Module "B"	
U0143	Lost Communication With Body Control Module "C"	
U0144	Lost Communication With Body Control Module "D"	
U0145	Lost Communication With Body Control Module "E"	
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	
U0152	Lost Communication With Side Restraints Control Module	Left
U0153	Lost Communication With Side Restraints Control Module	Right
U0154	Lost Communication With Restraints Occupant Sensing Control Module	
U0155	Lost Communication With Instrument Panel Cluster (IPC) Control Module	
U0156	Lost Communication With Information Center "A"	
U0157	Lost Communication With Information Center "B"	
U0158	Lost Communication With Head Up Display	
U0159	Lost Communication With Parking Assist Control Module	

DTC number	DTC naming	Location
U0160	Lost Communication With Audible Alert Control Module	
U0161	Lost Communication With Compass Module	
U0162	Lost Communication With Navigation Display Module	
U0163	Lost Communication With Navigation Control Module	
U0164	Lost Communication With HVAC Control Module	
U0165	Lost Communication With HVAC Control Module	Rear
U0166	Lost Communication With Auxiliary Heater Control Module	
U0167	Lost Communication With Vehicle Immobilizer Control Module	
U0168	Lost Communication With Vehicle Security Control Module	
U0169	Lost Communication With Sunroof Control Module	
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"	
U0179	Lost Communication With "Restraints System Sensor J"	
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"	

DTC number	DTC naming	Location
U0195	Lost Communication With Subscription Entertainment Receiver Module	
U0196	Lost Communication With Rear Seat Entertainment Control Module	
U0197	Lost Communication With Telephone Control Module	
U0198	Lost Communication With Telematic Control Module	
U0199	Lost Communication With "Door Control Module A"	

C.3 U02XX Network Communication

Table C.3 — U02XX Network Communication

DTC number	DTC naming	Location
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	
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"	

DTC number	DTC naming	Location
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	
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	

C.4 U03XX Network Software

Table C.4 — U03XX Network Software

DTC number	DTC naming	Location
U0300	Internal Control Module Software Incompatibility	
U0301	Software Incompatibility with ECM/PCM	
U0302	Software Incompatibility with Transmission Control Module	
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	
U0307	Software Incompatibility with Glow Plug Control Module	
U0308	Software Incompatibility with Throttle Actuator Control Module	
U0309	Software Incompatibility with Alternative Fuel Control Module	
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	

DTC number	DTC naming	Location
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"	

C.5 U04XX Network Data

Table C.5 — U04XX Network Data

DTC number	DTC naming	Location
U0400	Invalid Data Received	
U0401	Invalid Data Received From ECM/PCM	
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	
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	
U0410	Invalid Data Received From Fuel Pump Control Module	
U0411	Invalid Data Received From Drive Motor Control Module	
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	

DTC number	DTC naming	Location
	Invalid Data Received From Vehicle Dynamics Control Module	
U0417	Invalid Data Received From Park Brake Control Module	
U0418	Data Received From Brake System Control Module	
U0419		
	Invalid Data Received From Power Steering Control Module	
U0421	Invalid Data Received From Ride Level Control Module	
U0422	id Data Received From Body Control Module	
U0423		
	Invalid Data Received From HVAC Control Module	
U0425	Invalid Data Received From Auxiliary Heater Control Module	
U0426	Received From Vehicle Immobilizer Control Module	
U0427		
	Invalid Data Received From	
	Invalid Data Received From	
	Invalid Data Received From	
	Invalid Data Received From	