COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA		THRESHOLI	D VALUE	SECONDARY PARAMETERS	ENABLE CONDITIONS	TIME REQUIRED	MIL ILLUM.
Transmission Control Module (TCM)	P0601	Transmission Control Module Read Only Memory (ROM)	Incorrect program/calibrations checksum	=	TRUE		None		Rom Test > 5 Fail Counte r	One Trip
						Disable Conditions:	MIL not Illuminated for DTC's:	None ECM:		
Transmission Control Module (TCM)	P0602	Transmission Control Module Not Programmed	Non-Programmed TECHM Failure	=	TRUE		None	None		One Trip
						Disable Conditions:	MIL not Illuminated for DTC's:	TCM: None ECM:		
Transmission Control Module (TCM)	P0603	Transmission Control Module Long-Term Memory Reset	Non-volatile memory (static or dynamic) checksum failure		TRUE		None	None		One Trip
						Disable Conditions:	MIL not Illuminated for DTC's:	None ECM:		
Transmission Control Module (TCM)	P0604	Transmission Control Module Random Access Memory	RAM Read/Write Failure (Single Word)	=	TRUE		None	None	>= 5 Count	One Trip
						Disable Conditions:	MIL not Illuminated for DTC's:	None ECM:		
Transmission Control Module (TCM)	P062F	Transmission Control Module Long Term Memory Performance	TCM Non-Volatile Memory bit Incorrect flag	=	TRUE		None	None		One Trip
						Disable Conditions:	MIL not Illuminated for DTC's:	TCM: None ECM: None		

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITE	ERIA	THRE	SHOLD V	ALUE	SECONDARY PARAMETERS	ENABL	E COND	ITIONS	TIMI	E REQI	UIRED	MIL ILLUM
ransmission Fluid emperature Sensor (TFT)	P0711	Trans Fluid Temp Sensor Circuit Range/Performance	Fail TFT Delta from Fail Case 2 TFT Delta from		<= 2		C°	Vehicle Speed Vehicle Speed Above min for TCC Slip TCC Slip above min for Transmission Fluid Temperature Lo Transmission Fluid Temperature High Engine Coolant Temp	>= >= >= >= >= <= >= >=	8 300 120 300 -39 20 70 55	Kph Sec RPM Sec C° C°	>=	80	Fail Fail Time	Special No Trip
			<u>Case 2</u> TFT Delta IIOII	i Startup		2		Vehicle Speed Vehicle Speed Above min for TCC Slip TCC Slip above min for Transmission Fluid Temperature Transmission Fluid Temperature Engine Coolant Temp Engine Coolant Temp Delta from startup	>= >= >= >= >= >= >=	8 300 -20 0 129 149 70 55	Kph Sec RPM Sec C° C°	7=	00	Time (Sec)	
			Fail. Case 3 Ti	FT Delta	>= 2	0						>=	14	Fail Counts (100ms loop) Sample Time (Sec)	
			Fail Transmiss Case 4 Tem	ion Fluid perature	<= 2	0	C°	Engine Torque Lo Engine Torque Hi Throttle Position Lo Throttle Position Hi Vehicle Speed Lo Vehicle Speed Lo Engine Speed Lo Engine Speed Hi	>= <= >= <= >= <= >= <=	50 1492 8.0002 89.999 8 511 500 6500		>= F	Refer to Fable 1		

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD VALUE	SECONDARY PARAMETERS	ENABLE CONDITIONS	TIME REQUIRED	MIL ILLUM.
					Engine Coolant Lo Engine Coolant Hi Engine Torque Signal Valid Throttle Position Signal Valid Engine Speed Status Valid	= TRUE = TRUE		
					P0711 Common Enable Conditions Transmission Fluid Temperature Lo Transmission Fluid Temperature Hi Ignition Voltage Ignition Voltage	>= -39 C° <= 149 C° >= 8 V <= 18 V Refer		
					Engine speed above min for Engine speed above min for Engine Speed Engine Speed Engine speed between min/max for Engine Speed Status Valid Engine Coolant Sensor Signal	Table 5 >= 5 Sec >= 500 RPM <= 6500 RPM >= 5 Sec		

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD VALUE	SECONDARY PARAMETERS	ENABLE CONDITIONS	TIME REQUIRED	MIL ILLUM.
				Disable Conditions:	MIL not Illuminated for DTC's:	TCM: P0716, P0717, P0722, P0723, P0742, ECM: P0101, P0102, P0103, P0106, P0107, P0108, P0116, P0117, P0118, P0125, P0128, P0171, P0172, P0174, P0175, P0201, P0202, P0203, P0204, P0205, P0206, P0207, P0208, P0300, P0301, P0302, P0303, P0304, P0305, P0306, P0307, P0308,		

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD	VALUE	SECONDARY PARAMETERS	ENABLE	E CONDI	TIONS	TIM	E REQI	UIRED	MIL ILLUM.
							P0366, P0390, P0391, P0401, P042E						
Transmission Fluid Temperature Sensor (TFT)	P0712	Transmission fluid temperature thermistor failed at a high temperature (short to ground).	TFT resistance	<= 43.1875	Ω Disable Conditions:	Ignition Voltage Ignition Voltage Engine Speed Engine Speed Engine speed between min/max for Engine Speed Status Valid MIL not Illuminated for DTC's:	>= <= >= >= <= >= TCM: None ECM: P0335, P0340, P0345, P0346, P0366, P0390, P0391	8 18 500 6500 5 TRUE	V V RPM RPM Sec	>=	12	Fail Time (Sec)	Special No Trip
Transmission Fluid Temperature Sensor (TFT)	P0713	Transmission fluid temperature thermistor failed at a low temperature (open or short to nower).	TFT resistance	>= 171862	Ω	Output Speed Output Speed above min for TCC Slip speed TCC Slip Speed above min for Ignition Voltage Ignition Voltage Engine Speed Engine Speed Engine speed Engine speed between min/max for Engine Speed Status Valid	>= >= >= >= >= >= >= ==	200 200 120 200 8 18 500 6500 5	RPM Sec RPM sec V V RPM RPM	>=	80	Fail Time (Sec)	Special No Trip

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD VALUE	SECONDARY PARAMETERS	ENABLE CONDITIONS	TIME REQUIRED	MIL ILLUM.
Transmission Input Speed Sensor (TISS)	P0716	Input Speed Sensor Performance	Input speed drop ∆	Disable Conditions:	Ignition Voltage Ignition Voltage Ignition Voltage Ignition Voltage Ignition Voltage Engine Speed Engine Speed Engine Speed Engine Speed Engine Speed Status Valid Engine Torque Engine Torque Engine Torque Engine Torque Engine Torque Signal Valid Vehicle Speed Input Speed min Input Speed above min for Positive ISS ∆ Positive ISS ∆ less than min for Throttle Throttle Position Signal Valid	P0716, P0717 ECM: P0335, P0336, P0340, P0345, P0346, P0366, P0390, P0391 >= 8 volts <= 18 volts <= 18 volts <= 6500 RPM <= 6500 RPM <= 5 Sec = TRUE >= 50 N*m <= 1492 N*m = TRUE >= 16 KPH > 1050 RPM >= 2 Sec < 500 RPM >= 2 Sec < 500 RPM >= 2 Sec >= 8.0002 Pct	>= 3.25 sec	Two Trips

Disable Conditions. Disable Conditions. Disable Conditions. Disable Di	COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD VALUE	SECONDARY PARAMETERS	ENABLE CONDITIONS	TIME REQUIRED	MIL ILLUM.
P0722, P0733, P0732, P0732, P0732, P0732, P0732, P0732, P0732, P0732, P0731, P0731, P0741, P0101, P0102, P0101, P0102, P0103, P0106, P0107,						MIL not Illuminated for DTC's:			
P0723, P0762, P0772, P07101, P07101, P07102, P07103, P07106, P07107, P07108, P07171, P07172, P07174, P0					Conditions:		P0717,		
P0752, P0974 ECM: P0101, P0101, P0103, P0103, P0106 P0107 P0108 P0171, P0174, P0174, P0177, P0201, P0202, P0203, P0203, P0204, P0206, P0206, P0207 P0306, P0306, P0307, P0306, P0306, P0306, P0307, P0308, P							P0722,		
P0073, P0074 ECM: P0101, P0102, P0103, P0106, P0107, P0201, P0202, P0203, P0204, P0205, P0206, P0207, P0208, P0300, P0301, P0302, P0303, P0304, P0300, P0301, P0302, P0303, P0304, P0306, P0307, P0308, P0309, P030							P0723,		
P0074									
ECM: P0101, P0102, P0103, P0106, P0107, P0108, P0171, P0108, P0171, P0172, P0174, P0175, P0201, P0202, P0202, P0203, P0204, P0205, P0206, P0207, P0208, P0300, P0301, P0301, P0300, P0301, P0305, P0308, P030									
Po1012, Po102, Po103, Po106, Po107, Po108, Po177, Po172, Po174, Po177, Po177, Po202, Po203, Po204, Po206, Po206, Po206, Po207, Po208, Po300, Po301, Po301, Po302, Po303, Po304, Po306, Po307, Po306, Po307, Po308, Po306, Po307, Po308, Po306, Po307, Po308, Po307, Po308, Po309, P							P0974		
Po1012, Po102, Po103, Po106, Po107, Po108, Po177, Po172, Po174, Po177, Po177, Po202, Po203, Po204, Po206, Po206, Po206, Po207, Po208, Po300, Po301, Po301, Po302, Po303, Po304, Po306, Po307, Po306, Po307, Po308, Po306, Po307, Po308, Po306, Po307, Po308, Po307, Po308, Po309, P							ECM:		
P0102, P0103, P0106, P0107, P0108, P0171, P0172, P0174, P0175, P0201, P0202, P0203, P0204, P0204, P0206, P0206, P0206, P0207, P0206, P0207, P0207, P0208, P0209, P0									
P0103, P0106, P0107, P0108, P0107, P0108, P0171, P0108, P0171, P0172, P0174, P0175, P0201, P0201, P0201, P0202, P0203, P0203, P0204, P0205, P0206, P0207, P0206, P0207, P0208, P0300, P0301, P0300, P0301, P0302, P0300, P0301, P0302, P0300, P0303, P0304, P0305, P0306, P0307, P0308, P0306, P0307, P0308,							P0102,		
PO106, PO107, PO108, PO171, PO172, PO174, PO175, PO201, PO202, PO201, PO202, PO203, PO204, PO206, PO206, PO206, PO300, PO301, PO302, PO308, PO306, PO307, PO308, PO306, PO307, PO308, PO307, PO308, PO307, PO308, PO306, PO307, PO308, PO306, PO307, PO308, PO306, PO307, PO308, PO306, PO307, PO308, PO309, PO309, PO309, PO309, PO309, PO3090, PO3090, PO3090, PO3090,							P0103,		
P0107. P0108. P0171. P0172. P0174. P0175. P0201. P0202. P0203. P0204. P0205. P0206. P0207. P0208. P0300. P0301. P0302. P0303. P0304. P0305. P0306. P0307. P0308. P0308. P0307. P0308. P0308. P0307. P0308.							P0106,		
P0108, P0171, P0172, P0174, P0175, P0201, P0202, P0203, P0203, P0204, P0205, P0206, P0207, P0208, P0207, P0208, P0300, P0301, P0301, P0301, P0304, P0304, P0305, P0306, P0306, P0307, P0308, P0309, P0309, P0309, P0309, P03091,							P0107,		
P0172, P0174, P0175, P0201, P0202, P0203, P0204, P0205, P0206, P0207, P0208, P0300, P0301, P0301, P0302, P0303, P0304, P0305, P0306, P0307, P0308, P0306, P0307, P0308, P0308, P0308, P0338, P0338, P0338, P0338, P0338, P0338, P0340, P0345, P0346, P0345, P0346, P0345, P0346, P0345, P0366, P0							P0108,		
P0174, P0175, P0201, P0202, P0203, P0204, P0205, P0206, P0206, P0207, P0208 P0300, P0301, P0301, P0302, P0303, P0304, P0305, P0306, P0307, P0308, P0336, P0336, P0346, P0346, P0346, P0346, P0346, P0346, P0366, P0390, P0391,							P0171,		
P0175, P0201, P0202, P0203, P0204, P0205, P0206, P0207, P0208, P0300, P0301, P0302, P0303, P0304, P0305, P0306, P0307, P0308, P0308, P0306, P0307, P0308, P0308, P0308, P0308, P0308, P0309, P0309, P0309, P0301, P0309, P0301, P0309, P0301, P0309, P0301,									
P0201, P0202, P0203, P0204, P0205, P0206, P0207, P0208, P0300, P0301, P0301, P0302, P0303, P0304, P0306, P0307, P0308, P0338, P0346, P0366, P0366, P0390, P0391,							P0174,		
P0202, P0203, P0204, P0205, P0206, P0207, P0208, P0300, P0301, P0302, P0303, P0304, P0305, P0306, P0307, P0308, P0335, P0336, P0346, P0345, P0346, P0346, P0346, P0346, P0346, P0366, P0381,							P0175,		
P0203, P0204, P0205, P0206, P0207, P0208, P03001, P0302, P0303, P0303, P0304, P0305, P0306, P0307, P0308, P0335, P0336, P0336, P0340, P0440, P0440, P0440, P0440, P0440, P0440, P0440, P0440, P0440, P							P0201,		
P0204, P0205, P0206, P0207, P0208, P0300, P0301, P0301, P0302, P0303, P0304, P0305, P0306, P0307, P0308, P0336, P0336, P0336, P0336, P0340, P0340, P0346, P0346, P0346, P0366, P0366, P0366, P0390, P0391,							P0202,		
P0205, P0207, P0208, P0207, P0208, P0300, P0301, P0301, P0302, P0303, P0304, P0305, P0306, P0307, P0308, P0335, P0336, P0340, P0345, P0345, P0345, P0366, P0390, P0391,							P0203,		
P0206, P0207, P0208, P0300, P0301, P0302, P0303, P0304, P0305, P0306, P0307, P0308, P0338, P0336, P0340, P0340, P0340, P0346, P0346, P0366, P0366, P0390, P0391,							P0204,		
P0207, P0208, P0300, P0301, P0301, P0302, P0303, P0304, P0305, P0306, P0307, P0308, P0335, P0336, P0336, P0340, P0340, P0340, P0340, P0345, P0346, P0365, P0366, P0390, P0390, P0390,							P0205,		
P0208, P0300, P0301, P0301, P0302, P0303, P0304, P0306, P0306, P0307, P0308, P0336, P0336, P0336, P0336, P0346, P0346, P0346, P0346, P0366, P0366, P0366, P0366, P0366, P0366, P0366, P0366, P0366, P0361, P0							P0206,		
P0300, P0301, P0302, P0303, P0303, P0304, P0306, P0307, P0308, P0335, P0336, P0340, P0340, P0344, P0346, P0346, P0366, P0390, P0390, P0391,							P0207,		
P0301, P0302, P0303, P0304, P0305, P0306, P0307, P0308, P0335, P0336, P0346, P0340, P0346, P0346, P0366, P0366, P0391,							P0200,		
P0302, P0303, P0304, P0305, P0306, P0307, P0308, P0335, P0336, P0340, P0345, P0346, P0346, P0366, P0366, P0390, P0391,							P0301		
P0303, P0304, P0305, P0306, P0307, P0308, P0338, P0336, P0340, P0345, P0346, P0366, P0366, P0366, P0390, P0390,									
P0304, P0305, P0306, P0307, P0308, P0335, P0336, P0340, P0345, P0346, P0365, P0366, P0366, P0390, P0390,							P0303,		
P0305, P0306, P0307, P0308, P0335, P0336, P0340, P0345, P0346, P0365, P0366, P0366, P0390, P0391,							P0304,		
P0306, P0307, P0308, P0335, P0336, P0340, P0345, P0346, P0365, P0366, P0390, P0391,							P0305,		
P0308, P0335, P0336, P0340, P0345, P0346, P0365, P0366, P0390, P0391,							P0306,		
P0335, P0336, P0340, P0345, P0346, P0365, P0366, P0390, P0391,							P0307,		
P0336, P0340, P0345, P0346, P0365, P0366, P0390, P0391,							P0308,		
P0340, P0345, P0346, P0365, P0366, P0390, P0391,							P0335,		
P0345, P0346, P0365, P0366, P0390, P0391,									
P0346, P0365, P0366, P0390, P0391,							P0340,		
P0365, P0366, P0390, P0391,							P0345,		
P0366, P0390, P0391,									
P0390, P0391,							P0365,		
P0391,									
P0391, P0401.									
							P0391,		
P042E							P0401,		

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA		THRESH	OLD VAL	UE	SECONDARY PARAMETERS	ENABL	E CONDI	TIONS	TIMI	E REQL	JIRED	MIL ILLUM.
Transmission Input Speed Sensor (TISS)	P0717	Input Speed Sensor Circuit Low Voltage	input speed	<	50	RP	М	Ignition Voltage Ignition Voltage Ignition Voltage Engine Speed Engine Speed Engine speed between min/max for Engine Speed Status Valid Engine Torque Engine Torque Engine Torque Engine Torque Signal Valid Vehicle Speed	<= >= <= >= >= <=	8 18 500 6500 5 TRUE 50 1492 TRUE 16	volts volts RPM RPM Sec N*m N*m	>=	4.5	Sec	Two Trips

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD VALUE	SECONDARY PARAMETERS	ENABLE CONDITIONS	TIME REQUIRED	MIL ILLUM.
				Disable Conditions:	MIL not Illuminated for DTC's:	P0722,		
						P0723		
						ECM: P0101,		
						P0102, P0103,		
						P0106, P0107,		
						P0108, P0171,		
						P0172, P0174,		
						P0175, P0201,		
						P0202, P0203,		
						P0204, P0205,		
						P0206, P0207,		
						P0208, P0300,		
						P0301, P0302,		
						P0303, P0304,		
						P0305, P0306,		
						P0307, P0308,		
						P0335, P0336,		
						P0340, P0345,		
						P0346, P0365, P0366,		
						P0390, P0391,		
						P0401,		
						P042E		
Tow Haul Switch	P071A	Tow Haul switch circuit low	Tow Haul switch circuit low (switch closed)	= TRUE	Ignition Voltage Ignition Voltage		>= 600 sec	Special No Trip

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD VALUE	SECONDARY PARAMETERS	ENABLE C	CONDITIONS	TIME REQUIRED	MIL ILLUM.
				Disable Conditions:	Engine Speed Engine Speed Engine Speed Engine speed between min/max for Engine Speed Status Valid MIL not Illuminated for DTC's:	<= 6 >= = T	500 RPM 6500 RPM 5 Sec RUE		
Transmission Output Speed Sensor (TOSS)	P0722	Output Speed Sensor Circuit Low Voltage	TOSS	<= 50 rpm	Ignition Voltage Ignition Voltage Ignition Voltage Engine Speed Engine Speed Engine Speed Engine Speed Engine Speed Status Valid Engine Torque min & Range= R or D Engine Torque max & Range= R or D Engine Torque min & Range= P/N Engine Torque max & Range= P/N Engine Torque max & Range= P/N Engine Torque Signal Valid Throttle Position Throttle Position Signal Valid Input Speed Input Speed TCC Slip Trans Temp	<pre><=</pre>	8 volts 18 volts 500 RPM 6500 RPM 5 Sec TRUE 50 N*m 1492 N*m 1492 N*m 1492 N*m 1492 N*m 1492 RPM 6500 RPM 6500 RPM 6500 RPM 640 C	>= 4.5 Sec	Two Trips

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD VALUE	SECONDARY PARAMETERS	ENABLE CONDITIONS	TIME REQUIRED	MIL ILLUM.
				Disable	MIL not Illuminated for DTC's:	TCM:		
				Conditions:		P0716, P0717,		
						P0717, P0722		
						ECM:		
						P0101, P0102,		
						P0102,		
						P0106,		
						P0107,		
						P0108, P0171,		
						P0171, P0172,		
						P0174,		
						P0175,		
						P0201,		
						P0202, P0203,		
						P0204,		
						P0205,		
						P0206, P0207,		
						P0207, P0208,		
						P0300,		
						P0301,		
						P0302, P0303,		
						P0303, P0304,		
						P0305,		
						P0306,		
						P0307,		
						P0308, P0335,		
						P0336,		
						P0340,		
						P0345, P0346,		
						P0346, P0365,		
						P0366,		
						P0390,		
						P0391, P0401,		
						P042E		
		0.1.10.10.5				1 V72L		
Transmission Output Speed Sensor (TOSS)	P0723	Output Speed Sensor Circuit Intermittent	Output Speed Drop Δ	> 1200 RPM			>= 3.25 Sec	Two Trips
(1000)		momitten			Ignition Voltage	>= 8 volts		
					Ignition Voltage			

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD VALUE	SECONDARY PARAMETERS	ENABLE CONDITI	ONS	TIME REQ	UIRED	MIL ILLUM.
				Disable Conditions:	Engine Speed Engine Speed Engine Speed Engine Speed Engine speed between min/max for Engine Speed Status Valid Range Change Timer 4WD Range Timer Input Speed ∆ Input Speed ∆ < max for Raw Output Speed min Raw Output Speed > min for Positive Output Speed △ < < < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > <	<= 6500 >= 5 = TRUE >= 6 >= 6 < 500 >= 2 > 1000 >= 2 <= 500 >= 2 <= 500 >= 2	RPM RPM Sec Sec Sec RPM Sec RPM Sec RPM Sec			
Torque Converter Clutch (TCC)	P0741	TCC System Stuck OFF	TCC Slip Error	>= Refer to table 3 RPM	Ignition Voltage Ignition Voltage Ignition Voltage Engine Speed Engine Speed Engine speed between min/max for Engine Speed Status Valid Engine Torque Engine Torque Trottle Position Trottle Position 2nd Gear Ratio 3rd Gear Ratio	<= 18 >= 500 <= 6500 >= 5 = TRUE >= 50 <= 1492 >= 8.0002 <= 89.999 >= 1.408 <= 1.556	V V RPM RPM Sec N*m % Ratio Ratio Ratio	>= 5 >= 4	Sec Count	Two Trips

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD VALUE	SECONDARY PARAMETERS	ENABI	LE CONDI	TIONS	TIME REQUIRED	MIL ILLUM.
					3rd Gear Ratio		1.05	Ratio		
					4th Gear Ratio		0	Ratio		
					4th Gear Ratio TFT	<= >=	0 20	Ratio C		
					TET	<=	130	C		
					TCC Capacity		64.999	%		
					TCC Capacity Timer		3	sec		
					TCC Mode		On or Lock			
					PTO Active	=	FALSE			
					Engine Torque Status Valid		TRUE			
					Throttle Position Signal Valid		TRUE			
					If 4L80E Cmd Gear	≠	4th			

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD VALUE	SECONDARY PARAMETERS	ENABLE CONDITIONS	TIME REQUIRED	MIL ILLUM.
				Disable Conditions:	MIL not Illuminated for DTC's:	TCM: P0716,		
				Conditions:		P0716, P0717,		
						P0722,		
						P0723,		
						P0742,		
						P0842,		
						P0843, P2763,		
						P2764,		
						P2769,		
						P2770		
						ECM:		
						P0101, P0102,		
						P0102, P0103,		
						P0106,		
						P0107,		
						P0108,		
						P0171,		
						P0172, P0174,		
						P0174, P0175,		
						P0201,		
						P0202,		
						P0203,		
						P0204, P0205,		
						P0205, P0206,		
						P0207,		
						P0208,		
						P0300,		
						P0301,		
						P0302, P0303,		
						P0303, P0304,		
						P0305,		
						P0306,		
						P0307,		
						P0308,		

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESH	OLD \	/ALUE	SECONDARY PARAMETERS	ENABL	E CONDI	TIONS	TIME	E REQ	UIRED	MIL ILLUM.
								P0336, P0340, P0345, P0346, P0365, P0366, P0390, P0391, P0401, P042E						
Torque Converter Clutch (TCC)	P0742	TCC System Stuck ON	TCC Slip Speed	-20 15		RPM RPM	Ignition Voltage Ignition Voltage Ignition Voltage Engine Speed Engine Speed Engine Speed Engine Speed Engine Speed Status Valid Engine Torque Engine Torque Engine Torque TFT Trottle Position Trottle Position Vehicle Speed Vehicle Speed Engine Speed Engine Speed Gear Ratio Gear Ratio Commanded Gear TCC Mode Engine Torque Status Valid Throttle Position Signal Valid PTO Active	\	8 18 500 6500 5 TRUE 50 1492 20 130 8.0002 89.999 16 511 500 6500 0.95 1.556 1st Gear Off TRUE TRUE FALSE	V V RPM RPM Sec N*m C C % KPH KPH RPM RAtio Ratio	>= =	6 4	Sec	Two Trips

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD VALUE	SECONDARY PARAMETERS	ENABLE CONDITIONS	TIME REQUIRED	MIL ILLUM.
				Disable Conditions:	MIL not Illuminated for DTC's:	TCM: P0716,		
				Containone.		P0717,		
						P0722,		
						P0723,		
						P0741,		
						P2762,		
						P2763,		
						P2764,		
						P2769,		
						P2770		
						ECM:		
						P0101,		
						P0102,		
						P0103,		
						P0106,		
						P0107,		
						P0108,		
						P0171,		
						P0172,		
						P0174,		
						P0175,		
						P0201, P0202,		
						P0202, P0203,		
						P0203, P0204,		
						P0205,		
						P0206,		
						P0207,		
						P0208,		
						P0300,		
						P0301,		
						P0302,		
						P0303,		
						P0304,		
						P0305, P0306,		
						P0306, P0307,		
						P0307, P0308,		
						P0305, P0335,		
						P0336,		
						P0340,		
						DO34E		

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD VALUE	SECONDARY PARAMETERS	ENABLE CONDITIONS	TIME REQUIRED	MIL ILLUM.
Shift solenoid A Performance	D0754	Shift Solenoid Valve A Stuck Off 2-2-3-3	Fail 1st gear low ratio multiplier 1st gear high ratio multiplier Fail 4th gear low ratio multiplier 4th gear high ratio multiplier 4th gear high ratio multiplier	>= 0.949951172 Pct <= 1.050048828 Pct >= 0.949951172 Pct <= 1.050048828 Pct	Ignition Voltage Ignition Voltage Ignition Voltage Engine Speed Engine Speed Engine Speed Status Valid Gear Slip Gear Slip Fail Time Throttle Engine Torque Output Speed Input Speed 4WD Range Timer Range Change Timer	<pre><= 18 volts >= 500 RPM <= 6500 RPM >= 5 Sec = TRUE >= 150 RPM >= 0.5 Sec >= 8.0002 Pct >= 50 RPM >= 50 RPM >= 50 RPM >= 50 RPM >= 6 Sec >= 6 Sec</pre>	= 2 Sec = 2 counts	Two Trips
					PTO Active Trans Temp Trans Temp Engine Torque Signal Valid Throttle Position Signal Valid	>= 20 C <= 130 C = TRUE		

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD VALUE	SECONDARY PARAMETERS	ENABLE CONDITIONS	TIME REQUIRED	MIL ILLUM.
				Disable	MIL not Illuminated for DTC's:	TCM:		
				Conditions:		P0716,		
						P0717,		
						P0722, P0723,		
						P0723, P0973,		
						P0974,		
						P0976,		
						P0977,		
						P1915,		
						P182A,		
						P182C,		
						P182D,		
						P182E, P182F,		
						P182F, P0741,		
						P0741, P0742,		
						P2763,		
						P2764,		
						P2769,		
						P2770		
						ECM:		
						P0101,		
						P0102,		
						P0103, P0106,		
						P0106, P0107,		
						P0107,		
						P0171,		
						P0172,		
						P0174,		
						P0175,		
						P0201,		
						P0202,		
						P0203,		
						P0204, P0205,		
						P0205, P0206,		
						P0200, P0207,		
						P0208,		
						P0300,		
						P0301,		

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD VALUE	SECONDARY PARAMETERS	ENABLE CONDITIONS	TIME REQUIRED	MIL ILLUM.
Shift solenoid A Performance	P0752	Shift Solenoid Valve A Stuck On 1-1-4-4	Fail 2nd gear low ratio Case 1 multiplier 2nd gear high ratio multiplier Fail 3rd gear low ratio multiplier 3rd gear high ratio multiplier	>= 0.949951172 Pct <= 1.050048828 Pct >= 0.949951172 Pct <= 1.050048828 Pct	Ignition Voltage Ignition Voltage Ignition Voltage Engine Speed Engine Speed Engine Speed Status Valid Gear Slip Gear Slip Fail Time Throttle Engine Torque Output Speed Input Speed Input Speed AWD Range Timer Range Change Timer PTO Active Trans Temp Trans Temp Engine Torque Signal Valid Throttle Position Signal Valid	<pre><= 18 volts >= 500 RPM <= 6500 RPM >= 5 Sec = TRUE >= 150 RPM >= 0.5 Sec >= 8.0002 Pct >= 50 N*m >= 50 RPM >= 50 RPM >= 6 Sec >= 6 Sec = FALSE >= 20 C <= 130 C = TRUE</pre>	= 2 Sec = 2 Sec = 5 counts	Two Trips

CODE DESCRIPTION MALFONCTION CRITERIA THRESHOLD VALUE SECONDARY PARAMETERS ENABLE CONDITIONS TIME REQUIRED	MIL ILLUM.
Disable Conditions: MIL not Illuminated for DTCs: TCM: PUTIC, P	

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD VALUE	SECONDARY PARAMETERS	ENABLE CONDITIONS	TIME REQUIRED	MIL ILLUM.
Shift solenoid B Performance	P0756	Shift Solenoid Valve B Stuck On 4-3-3-4	<u>Fail</u> 1st gear low ratio <u>Case 1</u> multiplier	>= 0.949951172 Pct		P0303, P0304, P0305, P0306, P0307, P0308, P0335, P0336, P0340, P0345, P0346, P0365, P0366, P0390, P0391, P0401, P042E	= 2 Sec	One Trip
			1st gear high ratio multiplier Fail 2nd gear low ratio Case 2 multiplier 2nd gear high ratio multiplier	<pre> <= 1.050048828 Pct >= 0.949951172 Pct</pre>			= 2 Sec	
					Ignition Voltage Ignition Voltage Ignition Voltage Engine Speed Engine Speed Engine Speed Engine Speed Status Valic Gear Slip Gear Slip Fail Time Throttle Engine Torque Output Speed Input Speed 4WD Range Timer Range Change Timer Range Change Timer PTO Active Trans Temp Trans Temp Engine Torque Signal Valic Throttle Position Signal Valic	<pre><= 18 volts >= 500 RPM <= 6500 RPM >= 5 Sec = TRUE >= 150 RPM >= 0.5 Sec >= 8.0002 Pct >= 50 N*m >= 50 RPM >= 50 RPM >= 6 Sec = FALSE >= 20 C <= 130 C = TRUE</pre>	= 7 counts	

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD VALUE	SECONDARY PARAMETERS	ENABLE CONDITIONS	TIME REQUIRED	MIL ILLUM.
				Disable Conditions:	MIL not Illuminated for DTC's:	P0716, P0717,		
						P0722, P0723, P0973, P0974,		
						P0976, P0977, P1915, P182A,		
						P182C, P182D, P182E, P182F, P0741,		
						P0741, P0742, P2763, P2764, P2769,		
						P2770 ECM: P0101,		
						P0102, P0103, P0106, P0107,		
						P0108, P0171, P0172, P0174,		
						P0175, P0201, P0202, P0203,		
						P0204, P0205, P0206, P0207,		
						P0208, P0300, P0301		

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD VALUE	SECONDARY PARAMETERS	ENABLE CONDITIONS	TIME REQUIRED	MIL ILLUM.
Shift solenoid B Performance	P0757	Shift Solenoid Valve B Stuck Off 1-2-2-1	Fail 3rd gear low ratio Case 1 multiplier 3rd gear high ratio	>= 0.949951172 Pct		P0304, P0305, P0306, P0307, P0308, P0335, P0336, P0340, P0345, P0365, P0366, P0390, P0391, P0401, P042E	= 2 Sec	One Trip
			multiplier Fail 4th gear low ratio Case 2 multiplier 4th gear high ratio multiplier	<= 1.050048828 Pct >= 0.949951172 Pct <= 1.050048828 Pct	Ignition Voltage Ignition Voltage Engine Speed Engine Speed Engine Speed Engine Speed Status Valid Gear Slip Gear Slip Fail Time Throttle Engine Torque Output Speed Input Speed Input Speed 4WD Range Timer Range Change Timer Range Change Timer PTO Active Trans Temp Trans Temp Engine Torque Signal Valid Throttle Position Signal Valid	<pre><= 18 volts >= 500 RPM <= 6500 RPM >= 5 Sec = TRUE >= 150 RPM >= 0.5 Sec >= 8.0002 Pct >= 50 N*m >= 50 RPM >= 6 Sec >= 6 Sec = FALSE >= 20 C = 130 C = TRUE</pre>	= 2 Sec	

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD VALUE	SECONDARY PARAMETERS	ENABLE CONDITIONS	TIME REQUIRED	MIL ILLUM.
				Disable	MIL not Illuminated for DTC's:			
				Conditions:		P0716,		
						P0717,		
						P0722,		
						P0723,		
						P0973, P0974,		
						P0974, P0976,		
						P0977,		
						P1915,		
						P182A,		
						P182C,		
						P182D,		
						P182E,		
						P182F,		
						P0741,		
						P0742,		
						P2763,		
						P2764,		
						P2769,		
						P2770		
						ECM:		
						P0101,		
						P0102,		
						P0103,		
						P0106,		
						P0107,		
						P0108,		
						P0171,		
						P0172, P0174,		
						P0174, P0175,		
						P0175, P0201,		
						P0201, P0202,		
						P0203,		
						P0204,		
						P0205,		
						P0206,		
						P0207,		
						P0208		

COMPONENT/ SYSTEM	JLT MONITOR STRATEGY DE DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD VALUE	SECONDARY PARAMETERS	ENABLE CONDITIONS	TIME REQUIRED	MIL ILLUM.
Torque Converter Clutch	TCC or Overdrive unit has excessive slip	Fail Case 1 TCC Slip Speed TCC Slip Fail Timer Fail Counter Fail Case 2 TCC Slip Speed 1 TCC Slip Speed 1 TCC Slip Speed 2 TCC Slip Fail Timer 1 TCC Slip Fail Timer 2 TCC Slip Fail Timer 3 TCC Slip Fail Timer 3	<pre><= 1500 RPM >= 10 Sec >= 3 count >= 100 RPM <= 1500 RPM >= 10 Sec >= 10 RPM >= 10 Sec >= 100 RPM >= 1500 RPM >= 1500 RPM >= 10 Sec >= 100 RPM >= 10 Sec >= 100 RPM <= 1500 RPM</pre>	gear ratio gear ratio gear ratio transmission fluid temperature transmission fluid temperature engine torque engine torque Engine Torque Status Valid TCC Pressure TCC Pressure Enable Fail Time Vehicle Speed Vehicle Speed Ignition Voltage Ignition Voltage	>= 0.7 Ratio >= 20 C >= 130 C >= 108 N*m >= 1492 N*m = TRUE >= 64.999 Kpa >= 5 Sec >= 48 KPH <= 511 KPH >= 8 volts		Two Trips

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD VALUE	SECONDARY PARAMETERS	ENABLE CONDITIONS	TIME REQUIRED	MIL ILLUM.
					Engine speed between min/max for Engine Speed Status Valid Throttle Position Throttle Position	<= 8.0002 Pct		
				Disable Conditions:	MIL not Illuminated for DTC's:	TCM: P0716, P0717, P0722, P0723, P0751, P0752, P0756, P0757, P0973, P0974, P0976, P0977, P2763, P2764, P0742, P1810,		
						P1816, P1818 ECM: P0101, P0102, P0103, P0106, P0107, P0108, P0171, P0172, P0174, P0175,		
						P0175, P0201, P0202, P0203, P0204, P0205, P0206, P0207, P0208, P0300, P0301.		

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD VALUE	SECONDARY PARAMETERS	ENABLE CONDITIONS	TIME REQUIRED	MIL ILLUM.
						P0304, P0305, P0306, P0307, P0308, P0335, P0336, P0340, P0345, P0346, P0365, P0366, P0390, P0391, P0401,		
Shift Solinoid	P0973	Shift Solenoid A Control Circuit Low Voltage	hardware circuitry detects open or short to ground				>= 44 Count (100ms loop)	
							Out 50 Counts of (100ms loop)	
					Ignition Voltage Ignition Voltage Engine Speed Engine Speed Engine speed between min/max for Engine Speed Status Valid	<= 18 volts >= 500 RPM <= 6500 RPM >= 5 Sec		

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD VALUE	SECONDARY PARAMETERS	ENABLE CONDITIONS	TIME REQUIRED	MIL ILLUM.
				Disable Conditions:	MIL not Illuminated for DTC's:	TCM: None ECM: P0335, P0336, P0340, P0345, P0346, P0365, P0366, P0390, P0391		
Shift Solinoid		Shift Solenoid A Control Circuit High Voltage	hardware circuitry detects a short to voltage	= TRUE			>= 44 Fail Count (100ms loop) Sample Counts of 50 Counts (100ms loop)	
				Disable	Ignition Voltage Ignition Voltage Ignition Voltage Engine Speed Engine Speed Engine speed between min/max for Engine Speed Status Valid	<= 18 volts >= 500 RPM <= 6500 RPM >= 5 Sec = TRUE		
				Conditions:		None ECM: P0335, P0336, P0340, P0345, P0346, P0366, P0390, P0391		

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD VA	LUE	SECONDARY PARAMETERS	ENABLE CO	NDITIONS	TIM	E REQ	UIRED	MIL ILLUM.
Shift Solinoid	P0976	Shift Solenoid B Control Circuit Low Voltage	hardware circuitry detects open or short to ground	= TRUE					>=	44	Fail Count (100ms loop)	One Trip
									Out of	50	Sample Counts (100ms loop)	
						Ignition Voltage Ignition Voltage Engine Speed Engine Speed Engine speed between min/max for Engine Speed Status Valid	>= 50 <= 65 >=	8 volts 00 RPM				
				c	Disable Conditions:	MIL not Illuminated for DTC's:	TCM: None ECM:					
							P0335, P0336, P0340, P0345, P0346, P0365, P0366, P0390, P0391					
Shift Solinoid		Shift Solenoid B Control Circuit High Voltage	hardware circuitry detects a short to voltage	= TRUE					>=	44	Fail Count (100ms loop)	One Trip
									Out of	50	Sample Counts (100ms loop)	
						Ignition Voltage	>=	3 volts				

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD VALUE	SECONDARY PARAMETERS	ENABLE CONDITIONS	TIME REQUIRED	MIL ILLUM.
				Disable Conditions:		>= 500 RPM <= 6500 RPM >= 5 Sec = TRUE		
Transmission Fluid Pressure Switch (TFP)	P1810	TFP state is illegal	TFP Illegal (switch B & C low)	= TRUE Disable Conditions:		>= 500 RPM <= 6500 RPM >= 5 Sec = TRUE = FALSE TCM: None ECM: P0335, P0336, P0340, P0345,	>= 60 Sec	Two Trips
Transmission Fluid Pressure Switch (TFP)	P1816	TFP indicates Park or Neutral (P/N) with drive ratio	TFP indication Ratio	= P/N >= 2.420043945 Ratio		P0346, P0365, P0366, P0390, P0391	>= 12 Sec	Two Trips

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD VALUE	SECONDARY PARAMETERS	ENABLE CONDITIONS	TIME REQUIRED	MIL ILLUM.
			Ratio	>= 1.407958984 Ratio <= 1.520019531 Ratio >= 0.949951172 Ratio <= 1.050048828 Ratio >= 0.713012695 Ratio	Ignition Voltage Ignition Voltage Ignition Voltage Engine Speed Engine Speed Engine speed between min/max for Output speed Throttle position Engine Torque Engine Torque Engine Torque Signal Valid Throttle Position Signal Valid Engine Speed Status Valid PTO Active	<pre><= 18 volts >= 500 RPM <= 6500 RPM >= 5 Sec >= 82 RPM >= 8.0002 PCT >= 50 Nm <= 1492 Nm = TRUE = TRUE = TRUE = TRUE</pre>		

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD VALUE	SECONDARY PARAMETERS	ENABLE CONDITIONS	TIME REQUIRED	MIL ILLUM.
				Disable Conditions:	MIL not Illuminated for DTC's:	P0716, P0717, P0722,		
						P0723, P0751, P0752, P0756, P0757,		
						P0787, P0787, P0788, P0973, P0974,		
						P0976, P0977, P1810, P1817,		
						P1818 ECM: P0101,		
						P0102, P0103, P0106, P0107, P0108,		
						P0171, P0172, P0174, P0175,		
						P0201, P0202, P0203, P0204,		
						P0205, P0206, P0207, P0208,		
						P0300, P0301, P0302, P0303.		

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD VALUE	SECONDARY PARAMETERS	ENABLE CONDITIONS	TIME REQUIRED	MIL ILLUM.
Transmission Fluid Pressure Switch (TFP)	P1818	TFP indicates Park or Neutral (P/N) with reverse ratio	TFP indication Ratio Ratio	= P/N >= 2.064941406 Ratio <= 2.094848633 Ratio	Ignition Voltage Ignition Voltage Engine Speed Engine Speed Engine Speed Engine speed between min/max for Output speed Throttle position Engine Torque Engine Torque Trans Temp Engine Torque Signal Valid Throttle Position Signal Valid Engine Speed Status Valid	<pre><= 18 volts >= 500 RPM <= 6500 RPM >= 5 Sec >= 50 RPM >= 8.0002 PCT >= 100 Nm <= 1492 Nm >= 20 Deg C = TRUE = TRUE</pre>	>= 5 Sec	Two Trips

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD VALUE	SECONDARY PARAMETERS	ENABLE CONDITIONS	TIME REQUIRED	MIL ILLUM.
				Disable	MIL not Illuminated for DTC's:	TCM:		
				Conditions:		P0716,		
						P0717,		
						P0722, P0723,		
						P0723, P0751,		
						P0751, P0752,		
						P0756,		
						P0757,		
						P0787,		
						P0788,		
						P0973,		
						P0974,		
						P0976,		
						P0977,		
						P1810,		
						P1815,		
						P1816,		
						P1817, P1825.		
						P1825.		
						ECM:		
						P0101,		
						P0102,		
						P0103,		
						P0106,		
						P0107,		
						P0108,		
						P0171,		
						P0172,		
						P0174,		
						P0175,		
						P0201,		
						P0202, P0203,		
						P0203, P0204,		
						P0204, P0205,		
						P0205, P0206,		
						P0207,		
						P0208,		
						P0300,		
						P0301,		
						P0302.		

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD VALUE	SECONDARY PARAMETERS	ENABLE CONDITIONS	TIME REQUIRED	MIL ILLUM.
						P0305, P0306, P0307, P0308, P0335, P0336, P0340, P0345, P0365, P0366, P0390, P0391, P0401, P042E		
Ignition 1 Circuit Low Voltage	P2534	No Ignition Voltage at the TCM	Ignition 1 (run/crank) input	<= 2 volt			>= 200 Fail Count (25ms loop) Sample Out 220 Count (25ms loop)	One Trip
					Engine running state from ECM Power Mode	g Acc or		
				Disable Conditions:		TCM: None ECM: None		
TCC PWM Solenoid	P2763	TCC PWM Solenoid circuit high voltage	Hardware circuitry detects a short to voltage	= TRUE			>= 44 Fail Count (100ms loop)	Two Trips
							Out Sample Counts of 100ms loop)	

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD VALUE	SECONDARY PARAMETERS	ENABLE CONDITIONS	TIME REQUIRED	MIL ILLUM.
				Disable Conditions:	Ignition Voltage Ignition Voltage Ignition Voltage Engine Speed Engine Speed Engine speed between min/max for Engine Speed Status Valid TCC PWM command	<= 18 V >= 500 RPM <= 6500 RPM >= 5 Sec = TRUE = ON		
						ECM: P0335, P0336, P0340, P0345, P0346, P0365, P0366, P0390, P0391		
TCC PWM Solenoid	P2764	TCC PWM Solenoid circuit low voltage	Hardware circuitry detects open or short to ground	= TRUE			>= 44	
					Ignition Voltage Ignition Voltage Engine Speed Engine Speed Engine Speed Engine Speed Status Valid TCC PWM command	<= 18 V >= 500 RPM <= 6500 RPM >= 5 Sec = TRUE		

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD VAL	UE	SECONDARY PARAMETERS	ENABLE CONDITIONS	TIME REQUIRED	MIL ILLUM.
				C	Disable onditions:	MIL not Illuminated for DTC's:	TCM: None		
							ECM: P0335, P0336, P0340, P0345, P0346, P0365, P0366, P0390, P0391		
Communication	U0073	Controller Area Network Bus Communication Error	CAN Bus Detects Invalid Message Error	= TRUE Box	blean			Fail >= 5 Count (1000m s loop)	Two Trips
								Out Sample Out 5 Counts of (1000m s loop)	
						Ignition On			
				C	Disable onditions:	MIL not Illuminated for DTC's:	None ECM:		
Communication	U0100	Lost Communications with Engine Control System	Comm. Message Invalid Between ECU and TCM	= TRUE Bo	blean		None	>= 12	Two Trips
								Sample Out Counts of (1000m s loop)	
						Ignition Voltage Lo Ignition Voltage Hi Power Mode	<= 18 Volt		

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD VALUE	SECONDARY PARAMETERS	ENABLE CONDITIONS	TIME REQUIRED	MIL ILLUM.
				Disable Conditions:		TCM: U0073 ECM: None		

Supporting Tables

Table 1							Jnits
	Axis	-40	-25	-10	5	20	;°
	Curve	1900	1000	800	520	200	3ec

Table 2																	Units
Axis	0	6.248474	12.49695	18.74542	24.9939	31.24237	37.49084	43.73932	49.98779	56.23627	62.48474	68.73322	74.98169	81.23016	87.47864	93.72711	99.97559 Pct
Curve	624	624	624	624	624	624	624	624	624	624	624	624	624	624	624	624	624 Kpa

Table 3										Units
	Axis	0	64	128	192	256	320	384	448	512 Nm
	Curve	125	125	125	125	125	125	125	125	125 RPM

Table 4									Units
A	is -40	-16.25	7.5	31.25	55	78.75	102.5	126.25	150 C°
Cur	/e 600	400	400	400	400	400	400	400	400 RPM

Table 5						Units
	Axis	-40	7.5	55	102.5	150 C°
	Curve	0.55	0.55	0.55	0.55	0.55 Sec