COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD V	ALUE	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:	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:		

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALF	UNCTION CRITERIA		THRESHO	LD VALUE	SECONDARY PARAMETERS	ENABL	E COND	ITIONS	TIM	IE REQ	UIRED	MIL ILLUM
Transmission Fluid Temperature Sensor (TFT)	P0711	Trans Fluid Temp Sensor Circuit Range/Performance	Fail Case 1	TFT Delta from Startup		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 Engine Coolant Temp Delta Vehicle Speed Vehicle Speed Above min for TCC Slip TCC Slip above min for Transmission Fluid Temperature Transmission Fluid Temperature	>= >= >= >= >= >= >= >= >= >= >= >= >= >	8 300 120 300 -39 20 70 55 8 300 -20 0	Kph Sec RPM Sec C° C° C° C°	>=	80	Fail Time (Sec)	Special N Trip
			Fail Case 3	TFT Delta Transmission Fluid Temperature	>= <=	20	C°	Engine Coolant Temp Engine Coolant Temp Delta from startup Engine Torque Lo Engine Torque Hi Throttle Position Lo Throttle Position Hi Vehicle Speed Hi Engine Speed Lo Engine Speed Hi	>=	50 1492 8.0002 89.999 8 511 500 6500	Pct	>= !	14 7 Refer to Table 1	Fail Counts (100ms loop) Sample Time (Sec) Fail Time (Sec)	

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD VALUE	SECONDARY PARAMETERS	ENABLE CONDITION	NS TIME REQUIRED	MIL ILLUM.
					Engine Coolant Lo Engine Coolant Hi Engine Torque Signal Valid Throttle Position Signal Valid Engine Speed Status Valid	<= 149 (= TRUE = TRUE	9	
					P0711 Common Enable Conditions Transmission Fluid Temperature Lo	>= -39 (.0	
					Transmission Fluid Temperature Hi Ignition Voltage Ignition Voltage	>= 8 \ <= 18 \	,	
					Engine speed	Refer >= to RF Table 4	РМ	
					Engine speed above min for	Table 5		
					Engine speed above min for Engine Speed Engine Speed Engine speed between min/max	>= 500 RF <= 6500 RF	PM PM	
					for Engine Speed Status Valid Engine Coolant Sensor Signal Valid	= TRUE = TRUE Boo		
				Disable Conditions:		P0716, P0717, P0722, P0723,		
						P0742, ECM: P0101, P0102, P0103, P0106,		
						P0106, P0107, P0108, P0116, P0117.		

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD VALUE	SECONDARY PARAMETERS	ENABLE CONDITIONS	TIME REQUIRED	MIL ILLUM.
						P0118, P0125, P0128, P0171, P0172, P0174, P0175, P0201, P0202, P0203, P0204, P0205, P0206, P0207, P0208, P0300, P0301, P0302, P0303, P0304, P0305, P0306, P0307, P0308, P0306, P037, P0308, P0306, P037, P0308, P0306, P037, P0308, P0390, P0340, P0346, P0346, P0346, P0346, P0346, P0346, P0390, P0391, P0401, P042E		
Transmission Fluid Temperature Sensor (TFT)	P0712	Transmission fluid temperature thermistor failed at a high temperature (short to ground).	TFT resistance	<= 48 Ω	Ignition Voltage Ignition Voltage Engine Speed Engine Speed Engine speed between min/max for Engine Speed Status Valid	<= 18 V >= 500 RPM <= 6500 RPM >= 5 Sec	Fail >= 12 Time (Sec)	Special No Trip

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOL	D VALUE	SECONDARY PARAMETERS	ENABLE	E CONDI	TIONS	TIME I	REQUII	RED	MIL ILLUM.
					Disable Conditions:	MIL not Illuminated for DTC's:	None						
							ECM: P0335, P0336, P0340, P0345, P0346, P0365, P0366, P0390,						
Transmission Fluid Temperature Sensor (TFT)	P0713	Transmission fluid temperature thermistor failed at a low temperature (open or short to power).	TFT resistance	>= 97292	Ω		P0391			>= {	30	Fail Time (Sec)	Special No Trip
		powers.				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 Engine Speed Engine Speed Status Valid	>= >= >= >= >= >= >= >=	70 200 120 200 8 18 500 6500 5 TRUE	RPM Sec RPM sec V V RPM RPM				
					Disable Conditions:	MIL not Illuminated for DTC's:	TCM: P0716, P0717 ECM: P0335, P0336, P0340, P0345, P0366, P0366, P0390, P0391						
Transmission Input Speed Sensor (TISS)	P0716	Input Speed Sensor Performance	Input speed drop ∆	>= 1000	RPM	Ignition Voltage Ignition Voltage Engine Speed	>= <=	8 18 500	volts volts RPM	>= 3.	25	sec	Two Trips

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD VALUE	SECONDARY PARAMETERS	ENABLE CONDITIONS	TIME REQUIRED	MIL ILLUM.
				Disable Conditions:		>= 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 = TRUE		

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD VALUE	SECONDARY PARAMETERS	ENABLE CONDITIONS	TIME REQUIRED	MIL ILLUM.
						P0303, P0304, P0305, P0306, P0307, P0308, P0335, P0336, P0340, P0345, P0366, P0390, P0391, P0401, P042E		
Transmission Input Speed Sensor (TISS)	P0717	Input Speed Sensor Circuit Low Voltage	input speed	< 50 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 Engine Torque Signal Valid Vehicle Speed	<pre><= 18 volts >= 500 RPM <= 6500 RPM >= 5 Sec = TRUE >= 50 N*m <= 1492 N*m = TRUE</pre>	>= 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:	TCM: 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,		
ransmission Output Speed ensor (TOSS)	P0722	Output Speed Sensor Circuit Low Voltage	TOSS	<= 50 rpm		P042E	>= 4.5 Sec	Two Trips
					Ignition Voltage Ignition Voltage			

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD VALUE	SECONDARY PARAMETERS	ENABLE CONDITIO	NS TIME REQUIRED	MIL ILLUM.
				Disable Conditions:		<pre><= 6500 RI >= 5 S = TRUE >= 50 N <= 1492 N >= 1492 N <= 1492 N = TRUE >= 8.0002 G = TRUE >= 1500 RI <= 6500 RI >= -20 RI >= -40 G</pre>	PM ec thm thm thm thm co	

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD VALUE	SECONDARY PARAMETERS	ENABLE CONDITIONS	TIME REQUIRED	MIL ILLUM.
						P0208, P0300, P0301, P0302, P0303, P0304, P0305, P0306, P0307, P0308, P0335, P0336, P0340, P0345, P0346, P0366, P0390, P0391, P0401, P042E		
Transmission Output Speed Sensor (TOSS)	P0723	Output Speed Sensor Circuit Intermittent	Output Speed Drop Δ	> 420 RPM	Ignition Voltage Ignition Voltage Engine Speed Engine Speed Engine Speed Engine Speed Status Valid Range Change Timer 4WD Range Timer Input Speed Δ <max faw="" for="" min="" output="" positive="" raw="" speed="" td="" δ="" δ<=""><td><pre><= 18 volts >= 500 RPM <= 6500 RPM >= 5 Sec = TRUE >= 6 Sec >= 6 Sec < 500 RPM >= 2 Sec > 350 RPM >= 2 Sec <= 175 RPM</pre></td><td>>= 3.25 Sec</td><td>Two Trips</td></max>	<pre><= 18 volts >= 500 RPM <= 6500 RPM >= 5 Sec = TRUE >= 6 Sec >= 6 Sec < 500 RPM >= 2 Sec > 350 RPM >= 2 Sec <= 175 RPM</pre>	>= 3.25 Sec	Two Trips

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD VALUE	SECONDARY PARAMETERS	ENABLE CONDITIONS	TIME REQUIRED	MIL ILLUM.
Torque Converter Clutch (TCC)	P0741	TCC System Stuck OFF	TCC Slip Error	Disable Conditions: >= Refer to table 3 RPM	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 Trottle Position Trottle Position Trottle Position 2nd Gear Ratio 2nd Gear Ratio 3rd Gear Ratio 3rd Gear Ratio 3rd Gear Ratio 4th Gear Ratio 4th Gear Ratio 4th Gear Ratio 7FT TFT TCC Capacity TCC Capacity TCC Capacity Timer TCC Mode PTO Active Engine Torque Status Valid Throttle Position Signal Valid If 4L80E Cmd Gear	P0716, P0717, P0974 ECM: P0335, P0336, P0340, P0345, P0366, P0390, P0391 >= 8 V <= 18 V >= 500 RPM <= 6500 RPM >= 5 Sec = TRUE >= 50 N*m <= 1492 N*m >= 1.458 Ratio <= 1.678 Ratio >= 0.9301 Ratio <= 1.0699 Ratio >= 1.458 Ratio <= 1.0699 Ratio >= 0.656 Ratio <= 0.754 Ratio >= 0.9301 Ratio <= 1.0699 Ratio >= 1.458 Ratio <= 1.0699 Ratio >= 0.656 Ratio <= 0.754 Ratio >= 0.9301 Ratio <= 1.0699 Ratio >= 0.656 Ratio <= 0.754 Ratio >= 1.0699 Ratio		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, P0717, P0722, P0723, P0742, P0842, P0843, 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, P0302, P0303, P0304, P0305, P0306, P0307, P0306, P0307, P0308,		

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHO	OLD VALUE	SECONDARY PARAMETERS	ENABLE	E CONDI	TIONS	TIM	E REQ	UIRED	MIL ILLUM.
							P0346, P0365, P0366, P0390, P0391, P0401, P042E						
Torque Converter Clutch (TCC)	P0742	TCC System Stuck ON	TCC Slip Speed	-20 20	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 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 0.656 1.678 1st Gear Off TRUE TRUE FALSE	V V RPM RPM Sec N*m C C % KPH KPH RPM RPM Ratio Ratio	>= =	6 3	Sec Count	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,		
				Conditions:		P0716, P0717,		
						P0717, P0722,		
						P0722, P0723,		
						P0741,		
						P2762,		
						P2763,		
						P2764,		
						P2769,		
						P2770		
						ECM:		
						P0101,		
						P0102,		
						P0103, P0106,		
						P0106, P0107,		
						P0107,		
						P0171,		
						P0172,		
						P0174,		
						P0175,		
						P0201,		
						P0202,		
						P0203,		
						P0204,		
						P0205,		
						P0206,		
						P0207,		
						P0208, P0300,		
						P0300, P0301,		
						P0301, P0302,		
						P0302,		
						P0304,		
						P0305,		
						P0306,		
						P0307,		
						P0308,		
						P0335,		
						P0336,		
	1					P0340,		

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD VALUE	SECONDARY PARAMETERS	ENABLE CONDITIONS	TIME REQUIRED	MIL ILLUM.
						P0365, P0366, P0390, P0391, P0401, P042E		
Shift solenoid A Performance	P0751	2-2-3-3	Fail 1st gear low ratio multiplier 1st gear high ratio multiplier Fail 4th gear low ratio Case 2 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 PTO Active Trans Temp Trans Temp Engine Torque Signal Valid Throttle Position Signal Valid	>= 8 volts <= 18 volts >= 500 RPM <= 6500 RPM >= 5 Sec = TRUE >= 150 RPM >= 0.5 Sec >= 8.0002 Pct >= 50 RPM >= 50 RPM >= 50 RPM >= 6 Sec >= 6 Sec = FALSE >= 20 C <= 130 C = TRUE	= 2 Sec = 2 Sec = 2 counts	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,		
				Conditions.		P0710, P0717,		
						P0722,		
						P0723,		
						P0973,		
						P0974,		
						P0976,		
						P0977, P1915,		
						P1915, P182A,		
						P182C,		
						P182D,		
						P182E,		
						P182F,		
						P0741,		
						P0742, P2763,		
						P2763, P2764,		
						P2769,		
						P2770		
						ECM:		
						P0101,		
						P0102,		
						P0103,		
						P0106, P0107,		
						P0107, P0108,		
						P0171,		
						P0172,		
						P0174,		
						P0175,		
						P0201,		
						P0202,		
						P0203, P0204,		
						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 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 Case 2 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 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 >= 50 RPM >= 6 Sec = FALSE >= 20 C <= 130 C = TRUE</pre>	= 2 Sec = 2 counts	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,		
				Conditions.		P0710, P0717,		
						P0717, P0722,		
						P0722, P0723,		
						P0973,		
						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,		
						P0175,		
						P0201,		
						P0202,		
						P0203,		
						P0204,		
						P0205,		
						P0206, P0207,		
						P0207, P0208,		
						P0300,		
						P0300,		

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA		THRESHOLD	VALUE	SECONDARY PARAMETERS	ENABL	E CONDI	TIONS	TIME	E REQI	JIRED	MIL ILLUM.
								P0304, P0305, P0306, P0307, P0308, P0335, P0336, P0345, P0366, P0366, P0390, P0391, P0401, P042E						
Shift solenoid B Performance	P0756	Shift Solenoid Valve B Stuck On 4-3-3-4	Fail 1st gear low ratio multiplier 1st gear high ratio multiplier Fail 2nd gear low ratio Case 2 multiplier 2nd gear high ratio multiplier 2nd gear high ratio multiplier	<= >=	0.949951172 1.050048828 0.949951172 1.050048828	Pct Pct					=	2	Sec	One Trip
			mulipre				Ignition Voltage Ignition Voltage Ignition Voltage Engine Speed Engine Speed 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 Range Change Timer PTO Active Trans Temp Engine Torque Signal Valid Throttle Position Signal Valid	\= \= \= \= \= \= \= \= \= \= \= \= \= \	8 18 500 6500 5 TRUE 150 0.5 8.0002 50 50 6 6 FALSE 20 130 TRUE	volts volts RPM RPM Sec Ptt M*PM RPM RPM Sec Ptt M*PM RPM Sec Sec C C	=	2	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:	TCM: P0716,		
				Conditions.		P0717,		
						P0722,		
						P0723,		
						P0973,		
						P0974,		
						P0976,		
						P0977,		
						P1915,		
						P182A,		
						P182C, P182D,	ĺ	
						P182E,		
						P182F,		
						P0741,		
						P0742,		
						P2763,		
						P2764,		
						P2769,		
						P2770		
						ECM:		
						P0101, P0102,		
						P0102, P0103,		
						P0103, P0106,		
						P0107,	ĺ	
						P0108,		
						P0171,		
						P0172,		
						P0174,		
						P0175,		
						P0201,		
						P0202,		
						P0203, P0204,		
						P0204, P0205,		
						P0205, P0206,	ĺ	
						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 B Performance	P0757	Shift Solenoid Valve B Stuck Off 1-2-2-1	Fail 3rd gear low ratio multiplier Case 1 multiplier 3rd gear high ratio multiplier multiplier Fail 4th gear low ratio multiplier Case 2 multiplier 4th gear high ratio multiplier	0 <= 1.050048828 Pct 0 >= 0.949951172 Pct 0		P0304, P0305, P0306, P0307, P0308, P0335, P0340, P0345, P0346, P0366, P0390, P0391, P0401, P042E	= 2 Sec = 2 Sec = 2 counts	One Trip
					Ignition Voltage Ignition Voltage Engine Speed Engine Speed Engine Speed Engine Speed Status Valid Gear Slip Fail Time Throttle Engine Torque Output Speed 4WD Range Timer Range Change Timer PTO Active 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>		

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, 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,		

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD VALUE	SECONDARY PARAMETERS	ENABLE COM	NDITIONS	TIM	E REQ	UIRED	MIL ILLUM.
Transmission Fluid Pressure Switch	P0842	TCC release switch circuit low voltage	TCC release switch state	= Closed	Engine Speed Engine Speed Engine Speed Engine speed between min/max for TFT TT Vehicle Speed Vehicle Speed Engine Torque Engine Torque TCC Slip TCC Mde Torque Validity Flag Engine Speed Status Valid	>= 50 <= 149 >= 100 = OF = Vali	Sec Sec C C C C KPH Nm Nm Nm O RPM F	>= >=	10 2	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,		
				Conditions:		P0716, P0717,		
						P0741,		
						P0742,		
						P0843,		
						P0894,		
						P2763,		
						P2764,		
						P2769,		
						P2770		
						ECM:		
						P0101, P0102,		
						P0102, P0103,		
						P0106,		
						P0107,		
						P0108,		
						P0171,		
						P0172,		
						P0174,		
						P0175,		
						P0201,		
						P0202,		
						P0203,		
						P0204,		
						P0205,		
						P0206, P0207,		
						P0207, P0208,		
						P0300,		
						P0301,		
						P0302,		
						P0303,		
						P0304,		
						P0305,		
						P0306,		
						P0307,		
						P0308,		
						P0335,		
						P0336,		
						P0340,		

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD VALUE	SECONDARY PARAMETERS	ENABLE CONDITIONS	TIME REQUIRED	MIL ILLUM.
						P0365, P0366, P0390, P0391, P0401, P042E		
Transmission Fluid Pressure Switch	P0843	TCC release switch circuit high voltage	TCC release switch state	= Open	Engine Speed Engine Speed Engine speed between min/max for TFT TFT TCC Pressure TCC Pressure Engine Torque Engine Torque TCC Slip TCC Slip TCC Mde Engine Torque Status Valid Engine Speed Status Valid	>= 500 RPM <= 6500 RPM >= 5 Sec >= 20 C <= 130 C >= 125 Kpa <= 830 Kpa >= 50 Nm <= 1492 Nm >= -20 RPM <= 60 RPM = Lock = TRUE		Two Trips
				Disable Conditions:		TCM: P0716, P0717, P0741, P0742, P0843, P0894, P2763, P2764, P2769, P2770 ECM: P0101, P0102, P0103,		

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD VALUE	SECONDARY PARAMETERS	ENABLE CONDITIONS	TIME REQUIRED	MIL ILLUM.
						P0106, P0107, P0108, P0171, P0172, P0174, P0175, P0201, P0202, P0203, P0204, P0205, P0206, P0207, P0208, P0300, P0301, P0302, P0303, P0304, P0305, P0306, P0307, P0308, P0306, P0307, P0308, P0307, P0308, P0308, P0309, P0309, P0309, P0309, P0309, P0309, P0309, P0340, P0340, P0340, P0340, P0340, P0340, P0340, P0340, P0366, P0390, P0390, P0391, P04011, P042E		
Shift Solinoid	P0973	Shift Solenoid A Control Circuit Low Voltage	hardware circuitry detects open or short to ground	= TRUE			Fail Count (100ms loop)	Two Trips
							Sample Out Counts of (100ms loop)	

	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD VALUE	SECONDARY PARAMETERS	ENABLE (CONDITIC	ONS	TIME REQ	UIRED	MIL ILLUM.
				Disable Conditions:	Ignition Voltage Ignition Voltage Ignition Voltage Engine Speed Engine Speed Engine speed between min/max for Engine Speed Status Valid MIL not Illuminated for DTC's:	<pre><=</pre>	18 v 500 R 6500 R	volts volts RPM RPM SSec			
Shift Solinoid	P0974	Shift Solenoid A Control Circuit High Voltage	hardware circuitry detects a short to voltage	= TRUE	Ignition Voltage Ignition Voltage Engine Speed Engine Speed Engine speed between min/max	>=	18 v 500 R 6500 R	volts volts RPM RPM Sec	>= 44 Out 50	Fail Count (100ms loop) Sample Counts (100ms loop)	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: None ECM: P0335, P0336, P0340, P0345, P0346, P0365, P0366, P0390, P0391		
Shift Solinoid	P0976	Shift Solenoid B Control Circuit Low Voltage	hardware circuitry detects open or short to ground	= TRUE			>= 44 Fail Count (100ms loop) Sample Out 50 Counts (100ms loop)	
				Disable Conditions:	Ignition Voltage Ignition Voltage Ignition Voltage Engine Speed Engine Speed Engine speed between min/max for Engine Speed Status Valid	<= 18 volts >= 500 RPN <= 6500 RPN >= 5 Sec = TRUE		
						ECM: P0335, P0336, P0340, P0345, P0346, P0365, P0366, P0390,		

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD VALUE	SECONDARY PARAMETERS	ENABLE	CONDI	TIONS	TIMI	E REC	UIRED	MIL ILLUM.
Shift Solinoid	P0977	Shift Solenoid B Control Circuit High Voltage	hardware circuitry detects a short to voltage						>=	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	<= >= <= >=	8 18 500 6500 5 TRUE	volts volts RPM RPM Sec				
				Disa Conditio		None						
						ECM: P0335, P0336, P0340, P0345, P0346, P0365, P0366,						
						P0390, P0391						T . T.
Internal Mode Switch (IMS)	P182A	Internal Mode Switch-Circuit A	IMS circuit A low	= TRUE					>= >=	8 1	sec count	Two Trips
					Engine Torque Engine Torque Ignition Voltage Ignition Voltage Ignition Voltage Engine Speed Engine Speed Engine speed between min/max for Engine Speed Status Valid Engine Torque Signal Valid Range = Park for	>= <= >= <= >= =	50 1492 8 18 500 6500 5 TRUE TRUE 1	N*m N*m volts volts RPM RPM Sec		•	556.10	

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:	None 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,		
Internal Mode Switch (IMS)	P182C	Internal Mode Switch-Circuit B	IMS circuit B High	= TRUE		P0390, P0391, P0401, P042E	>= 8 sec >= 1 count	Two Trips

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD VALUE	SECONDARY PARAMETERS	ENABLE CONDITIONS	TIME REQUIRED	MIL ILLUM.
					Engine Torque Ignition Voltage Ignition Voltage Ignition Voltage Engine Speed Engine Speed Engine speed between min/max for Engine Speed Status Valid Engine Torque Signal Valid Range = Park for	>= 8 volts <= 18 volts >= 500 RPM <= 6500 RPM >= 5 Sec = TRUE = TRUE		
				Disable Conditions:	MIL not Illuminated for DTC's:	TCM: None ECM: P0101, P0102, P0103, P0106, P0107, P0108, P01711, P0172, P0174,		
						P0175, P0201, P0202, P0203, P0204, P0205, P0206, P0207, P0208, P0300, P0301,		
						P0302, P0303, P0304, P0305, P0306, P0307, P0335, P0335, P0336, P0340, P0345, P0346,		

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD VALUE	SECONDARY PARAMETERS	ENABLE CONDITION	S TIME REQUIRED	MIL ILLUM.
						P0365, P0366, P0390, P0391, P0401, P042E		
Internal Mode Switch (IMS)	P182D	Internal Mode Switch-Circuit P	IMS circuit P Low	= TRUE Disable Conditions:		>= 50 N*r <= 1492 N*r >= 8 volt <= 18 volt >= 500 RPI <= 6500 RPI >= 5 Sec = TRUE = TRUE >= 1 sec	1	Two Trips

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	Т	THRESHOL	O VALUE	SECONDARY PARAMETERS	ENABLE	E CONDI	TIONS	TIME	E REQI	UIRED	MIL ILLUM
								P0303, P0304, P0305, P0306, P0307, P0308, P0335, P0336, P0346, P0365, P0366, P0390, P0391, P0401, P042E						
Internal Mode Switch (IMS)	P182E	Internal Mode Switch-Invalid	IMS Range Illegal	=	TRUE		Ignition Voltage Ignition Voltage Engine Speed Engine Speed Engine speed between min/max for Engine Speed Status Valid	>= <= >= <= >= =	8 18 500 6500 5 TRUE	volts volts RPM RPM Sec	>=	8	sec	Two Trips
						Disable Conditions:	MIL not Illuminated for DTC's:	TCM: None ECM: P0335, P0336, P0340, P0345, P0366, P0366, P0390,						
nternal Mode Switch (IMS)	P182F	Internal Mode Switch-Circuit C	IMS circuit C High	=	TRUE			D0004			>= >=	8	sec count	Two Trips
							Engine Torque Engine Torque Signal Valid Ignition Voltage Ignition Voltage Vehicle Speed	>= <=	50 TRUE 8 18 16	N*m volts volts kph				

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD VALUE	SECONDARY PARAMETERS	ENABLE CONDITIONS	TIME REQUIRED	MIL ILLUM.
					1st gear ratio low 1st gear ratio High 2nd gear ratio low 2nd gear ratio High 3rd gear ratio low 3rd gear ratio High 4th gear ratio High	<= 3.125 Ratio >= 1.458 Ratio <= 1.678 Ratio >= 0.9301 Ratio <= 1.0699 Ratio >= 0.656 Ratio		
				Disa Conditio		TCM: 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, P0401, P042E		
Internal Mode Switch (IMS)	P1915	Internal Mode Switch-Start in Wrong Range	Range= Park or Neutral	= FALSE TRUE			>= 2 sec	Two Trips
					Ignition Voltage Ignition Voltage			

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD) VALUE	SECONDARY PARAMETERS	ENABL	E CONDITIC	ONS	TIME RE	QUIRED	MIL ILLUM.
						Engine Speed Power Mode Crank request	>= = <=	Crank	RPM Sec			
					Disable Conditions:	MIL not Illuminated for DTC's:	TCM: None ECM: None					
Ignition 1 Circuit Low Voltage	P2534	No Ignition Voltage at the TCM	lgnition 1 (run/crank) input	<= 2	volt					>= 200 Out of 220	(25ms loop) Sample	
						Engine running state from ECM Power Mode	=	Runnin g Acc or Run			1000)	
					Disable Conditions:	MIL not Illuminated for DTC's:	None ECM:					
TCC PWM Solenoid	P2763	TCC PWM Solenoid circuit high voltage	Hardware circuitry detects a short to voltage	= TRUE			None			>= 44	Fail Count (100ms loop)	
										Out 50	Sample Counts (100ms loop)	
						Ignition Voltage Ignition Voltage Engine Speed	<=	18	V V RPM			

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD VALUE	SECONDARY PARAMETERS	ENABLE	E CONDI	TIONS	TIME	REQU	JIRED	MIL ILLUM.
TCC PWM Solenoid	P2764	TCC PWM Solenoid circuit low voltage	Hardware circuitry detects open or short to ground	= TRUE	Engine Speed Engine speed between min/max for Engine Speed Status Valid TCC PWM command MIL not Illuminated for DTC's: Ignition Voltage Ignition Voltage Ignition Voltage Engine Speed Engine Speed Engine Speed Engine Speed Engine Speed Engine Speed Status Valid TCC PWM command	= = TCM: None ECM: P0335, P0336, P0346, P0346, P0365, P0390, P0391	6500 5 TRUE ON 8 18 500 6500 5 TRUE OFF	RPM Sec		50	Fail Count (100ms loop) Sample Counts (100ms loop)	Two Trips

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD VALUE		SECONDARY PARAMETERS	ENABLE C	ONDITIONS	TIME REQ	UIRED	MIL ILLUM.
				Di Condi		MIL not Illuminated for DTC's:	TCM: None ECM: P0335, P0336, P0340, P0345, P0366, P0366, P0390, P0391				
Communication	U0073	Controller Area Network Bus Communication Error	CAN Bus Detects Invalid Message Error	= TRUE Boolear	n				>= 5 Out of 5	Fail Count (1000m s loop) Sample Counts (1000m s loop)	Two Trips
				Di Condi		Ignition On MIL not Illuminated for DTC's:	TCM: None ECM: None				
Communication	U0100	Lost Communications with Engine Control System	Comm. Message Invalid Between ECU and TCM	= TRUE Boolean	n				>= 12	Fail Count (1000m s loop) Sample	Two Trips
						lgnition Voltage Lo Ignition Voltage Hi Power Mode	<=	11 Volt 18 Volt Run	Out 12 of	Counts (1000m s loop)	

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							Units
	Axis	-40	-25	-10	5	20	Deg C
	Curve	1900	1000	800	520	200	Sec

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

le 4											Units
	Axis	-40	-16.25		31.25	55	78.75	102.5	126.25	150	Deg C
(Curve	600	400	400	400	400	400	400	400	400	RPM
											-

Table 5						Units
	Axis	-40	7.5	55	102.5	150 Deg C
	Curve	0.1	0.15	0.2	0.3	0.3 Sec