SENSED PARAMETER	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA AND THRESHOLD VALUE(S)	SECONDARY PARAMETERS AND ENABLE CONDITIONS	TIME LENGTH AND FREQUENCY	MIL ILLUMINATION TYPE
Vehicle Speed Sensor - Low input	P0502	0 RPM to 6000 RPM This DTC detects a low vehicle speed when the vehicle has a large engine speed in a drive gear range.	Output Speed < 150 rpm	Gear Range is not Park/Neutral No TP high or low sensor DTC's set Throttle Position > 15% No Map Sensor High or Low DTC's set 0KPA > MAP sensor < 105KPA 40 ftlbs <engine 150="" ftlbs<br="" torque<="">Engine Speed &gt; 3100 RPM</engine>	2 seconds Continuous	DTC Type A
Vehicle Speed Sensor - Intermittent	P0503	0 RPM to 6000 RPM This DTC detects an unrealistic large drop in vehicle speed.	Output Speed drop >1500 RPM	Time since last Gear Range Change > 6. Sec Engine Speed > 500 rpm for 5 sec and not in fuel cutoff No Output Speed rise > 500 rpm within 2 sec. Transmission not in P/N	3 sec	DTC Type A
TCC Enable Solenoid Electrical	P0740	0V to 12V This DTC detects a continuous open or short to ground in the TCC circuit or the TCC solenoid	Every 100msec the circuit is checked and a fail counter is incremented if an open or short is detected.	System Voltage between 10 and 16 volts Ign On Engine Speed > 500 rpm for 5 sec & not in fuel cutoff	Fail Counter >43 Counts out of 50 Total Counts Continuous	DTC Type A
TCC System Stuck ON	P0742	This DTC detects low torque converter slip when the TCC is commanded off.	3 occurances of the TCC Slip between - 20 rpm and 50 rpm for the duration of the fail timer	Engine Speed > 500 rpm for 5 sec and not in fuel cutoff 70 ftlbs < Eng Torque < 200 ftlbs Commanded Gear is not 1st Gear Range is D4, D3 or D2 Throttle Position between 14% and 50% TCC is commanded off Engine Speed between 800 rpm and 4000 rpm Vehicle Speed between 20 mph and 70 mph Speed Ratio is between 0.65 and 1.18 No Range change within 3 sec. No TP high or low sensor DTC's No VSS Low or Intermittent DTC's No TCC Control Sol. DTC's	5 seconds Continuous	DTC Type B

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SENSED PARAMETER	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA AND THRESHOLD VALUE(S)	SECONDARY PARAMETERS AND ENABLE CONDITIONS	TIME LENGTH AND FREQUENCY	MIL ILLUMINATION TYPE
Shift Solenoid A Performance	P0751	This DTC detects 2-2-3-3 or a 1-1-4-4 shift pattern	Fail Counter >= 3 The fail counter is incremented if fail cases (1,2,3,& 4) or (1,2,3, & 5) are true	General   Engine Speed > 500 rpm for 5 sec and & not in fuel cutoff   Gear range is D4   Vehicle speed >5 mph   20 C < Trans. Temp. < 130 C	Continuous	DTC Type A
Shift Solenoid A Electrical	P0753	0V to 12V This DTC detects a continuous open or short to ground in the SSA circuit or the SSA solenoid	Every 100msec the circuit is checked and a fail counter is incremented if an open or short is detected.	0.68 < Speed Ratio < 0.82 0 < TCC Slip < 50 for > 3 sec System Voltage between 10 and 16 volts Ign On Engine Speed > 500 rpm for 5 sec & not in fuel cutoff	Fail Counter >43 Counts out of 50 Total Counts Continuous	DTC Type A

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SENSED PARAMETER	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA AND THRESHOLD VALUE(S)	SECONDARY PARAMETERS AND ENABLE CONDITIONS	TIME LENGTH AND FREQUENCY	MIL ILLUMINATION TYPE
Shift Solenoid B Performance	P0756	This DTC detects a 1-2-2-1 or a 4-3-3-4 shift pattern	The Stuck On Fail counter has reached a value of 2 or the Stuck Off Fail counter has reached a value of 2. The Stuck On counter is incremented when both Fail Case 3 & Fail Case 4 are true. The Stuck Off counter is incremented when both Fail Case 1 & Fail Case 3 are true or when both Fail Case 2 & Fail Case 3 are true.	Engine Speed > 500 rpm for 5 sec and not in fuel cutoff Vehicle Speed > 16 MPH Gear Range is D4 20 C < Trans Temp < 130 C No TPS sensor High or Low DTC's No VSS Low or Intermittent DTC's No TCC Stuck On DTC. Engine Torque is between 40 and 200 ft-lbs (except Fail Case 4) Fail Case 1	Continuous	DTC Type A
				Fait Case 1First gear commanded for > 1.5 sec-4064 rpm < TCC Slip < -200 rpm		
				Fail Timer > 2 sec <u>Fail Case 3</u> 2.5 sec < time with Third gear commanded < 7.5 sec 14% < Throttle Position < 55% TPS constant within +/- 7% Speed Ratio in Third gear does not drop more than .4 from the last Speed Ratio in Second gear TCC Slip in Third gear remains > 600 rpm higher than the last TCC Slip in Second gear Fail Timer > 2 sec <u>Fail Case 4</u>		
				Fourth Gear commanded for > 1 .0 sec Engine Torque is between 0 and 50 ft-lbs 1600 rpm < TCC Slip < 6000 rpm 1500 < Output Speed < 2800 2 < Speed Ratio < 4 Throttle Position > 10% Fail Timer > 1.5 sec		
Shift Solenoid B Electrical	P0758	0V to 12V This DTC detects a continuous open or short to ground in the SSB circuit or the SSB solenoid	Every 100msec the circuit is checked and a fail counter is incremented if an open or short is detected.	System Voltage between 10 and 16 volts Ign On Engine Speed > 500 rpm for 5 sec & not in fuel cutoff	Fail Counter >43 Counts out of 50 Total Counts Continuous	DTC Type A

SENSED PARAMETER	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA AND THRESHOLD VALUE(S)	SECONDARY PARAMETERS AND ENABLE CONDITIONS	TIME LENGTH AND FREQUENCY	MIL ILLUMINATION TYPE
TCC PWM Solenoid Electrical	P1860	0V to 12V This DTC detects a continuous open or short to ground in the TCC PWM circuit or the TCC PWM sensor	Every 100msec the circuit is checked and a fail counter is incremented if an open or short is detected.	System Voltage between 10 and 16 volts Ign On Engine Speed > 500 rpm for 5 sec & not in fuel cutoff TCC Duty Cycle < 10% or > 90%	Fail Counter >43 Counts out of 50 Total Counts Continuous	DTC Type A
Transmission Component Slipping	P1870	This DTC detects excessive TCC slip when the torque converter clutch should be engaged.	If TCC slip is between 200 rpm and 1500 rpm for the length of the fail timer, then increment the fail counter by one. When the counter reaches 3, set the code.	Engine Speed > 500 rpm for 5 sec and not in fuel cutoff Gear is not 1st 14% < TPS < 35% 20 C < Trans. Temp. 50 ftlbs < Eng Torque < 170 ftlbs Gear Range is D4 TCC at Max Apply for > 5 sec TCC commanded on for > 5 sec 0.7 < Speed Ratio < 0.995 800 rpm < Engine Speed < 5000 rpm 35 mph < Vehicle Speed < 82 mph No TPS sensor High or Low DTC's No VSS Low or Intermittent DTC's No Trans solenoid electrical DTC's Shift Solenoid Performance Diagnostic counters are all zero	8 seconds Continuous	DTC Type B