SENSED PARAMETER	FAULT CODE	SENSOR SIGNAL TYPE	ACCEPTABLE OPERATING RANGE AND RATIONALITY	PRIMARY MALF DETECTION PARAMETERS	SECONDARY MONITORING PARAMETERS AND CONDITIONS	FAIL MONITORING TIME LENGTH AND FREQUENCY OF CHECK	MONITORING METHOD	FAULT CODE STORAGE AND MIL ILLUM- INATION
Vehicle Speed Sensor - Low input	P0502	Analog	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 PSA sensor DTC's set No TP high or low sensor DTC's set Throttle Position> 20% No Map Sensor High or Low DTC's set 0KPA>VAC<106KPA 40ftlbs <engine engine="" speed="" torque<400ftlbs=""> 4000 RPM</engine>	2.5 seconds Continuous	AC Voltage generating Vehicle Speed Sensor	DTC Type A
Trans Fluid Temp Sensor Circuit - Low input	P0712	Analog	.24V to 5.0V The DTC detects a continuous short to ground in the TTS signal circuit or the TTS sensor	Raw TTS < .2 volts	10V <sys volt<17v<br="">Ignition "on"</sys>	10 sec Continuous	Thermister	DTC Type B
Trans Fluid Temp. Sensor Circuit - High Input	P0713	Analog	.24V to 5.0V The DTC detects a continuous open or short to high in the TTS signal circuit or the TTS sensor	Raw TTS > 4.92 Volts	10V <sys volt<17v<br="">Ignition "on"</sys>	400 seconds Continuous	Thermister	DTC Type B

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TCC Custom	P0742	Software	This DTC detects low	TCC Slip is between	Engine Speed > 400 rpm for 8 sec and	5seconds	1X Engine	
TCC System Stuck ON	F0/42	Sollware	torque converter slip	-20rpm and 30rpm	not in fuel cutoff	Seconds	Speed Signal	DTC
Stack OIV		1	when the TCC is	Zorpin and dorpin	0kpa <vac<106kpa< td=""><td></td><td>and the</td><td>Туре</td></vac<106kpa<>		and the	Туре
		1	commanded off.		40ftlbs <eng td="" torque<400ftlbs<=""><td></td><td>Vehicle Speed</td><td>A</td></eng>		Vehicle Speed	A
]			Commanded Gear is not 1st		Sensor	
					Gear Range is D4	·		
	1				No PSA sensor DTC's set	Continuous	1.	į
		1			No TP high or low sensor DTC's set			l
					Throttle Position>15%			
					TCC is commanded off No VSS Low DTC's set			1
					No TCC Enable Sol. DTC's set			
					No TCC Control Sol. DTC's set			

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Shift Solenoid A Performance	P0751	Analog	This DTC detects 2-2-3-3 or a 1-1-4-4 shift pattern	Fail Counter >= 2. The fail counter is incremented if fail cases (1,2,3,& 4) or (1,2,3, & 5) are true	General Eng Speed > 400 rpm for 8 sec & not in fuel cutoff No TP high or low DTC's set No Vss low DTC's set Vo PSA DTC's set Gear range is D4 Vehicle speed >5 mph 20C <tts<130c 742="" active="" control="" dtc="" dtc's="" electrical="" no="" not="" previous="" shift="" sot="" time="" traction=""> 0sec Fail Case 1 Commanded 1-2 shift 8%<tps<42% +="" -="" 150="" 2nd="" 3%="" 3.75="" 8="" be="" constant="" engine="" gear="" in="" mph<vss<40mph="" must="" rpm="" seconds,="" speed="" tps="" within=""> last speed in 1st gear Fail Case 2 Commanded 2-3 shift 9%<tps<32% %<tps<27%="" +="" -="" 15="" 150="" 2="" 20="" 25="" 2nd="" 3="" 3%="" 3-4="" 3.5="" 3nd="" 3rd="" 42mph<vss<65mph="" 9="" <="" be="" case="" commanded="" constant="" engine="" fait="" gear="" in="" last="" mph="" mph<vss<45="" must="" rpm="" sec,="" seconds,="" shift="" speed="" tps="" within=""> last speed in 4th gear Fail Case 4 Commanded 4th gear TCC on 9%<tps<27% "42<speed="" 1000="" 500<tcc="" for="" ratio<47="" slip<=""> 5sec Fail Case 5 Commanded 4th gear TCC on 9%<tps<27% "30<speed="" -20="" for="" prm<tcc="" ratio<34="" rpm="" slip<1000=""> 5sec 38<speed "26<speed="" 3.08="" axle="" axle<="" ratio<40="" ratio<42="" td=""><td>Continuous</td><td>Shift Solenoid</td><td>DTC Type B</td></speed></tps<27%></tps<27%></tps<32%></tps<42%></tts<130c>	Continuous	Shift Solenoid	DTC Type B

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Shift Solenoid A Electrical	P0753	Analog	OV to 12V This DTC detects a continuous open or short to ground in the SSA circuit or the SSA sensor	Fail Counter >43 Counts out of 50 Total Counts	10V <sys volt<17v<br="">Ign On</sys>	Continuous	Shift Solenoid	DTC Type A
Shift Solenoid B Performance	P0756	Software	This DTC detects a non - 1st gear when 1st gear is commanded or 1st gear when 4th gear is commanded	Fail Case 1 Gear is 1st and Speed Ratio is < *115 or Fail Case 2 Gear is 4th and Speed Ratio is > *100 *103 3.08 axle **90 3.08 axle	GENERAL Vehicle Speed > 20 MPH Gear Range is D4, D3, D2 or D1 Trans Fluid Temp > 20C No TTS sensor DTC's set No PSA sensor DTC's set No TPS sensor High or Low DTC's set No VSS Low DTC's set Engine Speed > 400 rpm for 8 sec and not in fuel cutoff FAIL CASE 1 TPS > 45% FAIL CASE 2 TPS > 18%	Fail Case 1 1 seconds Fail Case 2 2 second	Shift Solenoid	DTC Type B
Shift Solenoid B Electrical	P0758	Analog	OV to 12V This DTC detects a continuous open or short to ground in the SSB circuit or the SSB sensor	Fail Counter >43 Counts out of 50 Total Counts	10V <sys volt<17v<br="">Ign On</sys>	Continuous	Shift Solenoid	DTC Type A

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PSA Circuit Malfunction	P1810	Digital	OV to 12V This DTC detects an invalid state of the PSA sensor or the PSA circuit by deciphering the PSA inputs.	Fail Case 1 Illegal Trans Pressure Switch State Fail Case 2 Gear range is D2, D4, Rev Fail Case 3 Gear range is P/N	Fail Case 1 Enging Running 10V <sys 100="" 2="" <="" case="" dtc's="" engine="" fail="" for="" no="" rpm="" speed="" sys="" volt="" volt<17v="" vss=""> .3 sec then Engine Speed >100rpm and < 650rpm for > .1sec then Engine Speed < 650 rpm Vehicle Speed < 2 mph Fail Case 3 4th gear *29<speed *27<speed="" 3.08="" axle<="" dtc's="" locked="" no="" on="" ratio<30="" ratio<33="" tcc="" td="" vss=""><td>Fail Case 1 5 seconds Fail Case 2 5 seconds Fail Case 3 24 seconds Continuous</td><td>Pressure Switch Assembly</td><td>DTC Type B</td></speed></sys>	Fail Case 1 5 seconds Fail Case 2 5 seconds Fail Case 3 24 seconds Continuous	Pressure Switch Assembly	DTC Type B
TCC PWM Solenoid Electrical TCC Solenoid	P1860	Analog Analog	OV to 12V This DTC detects a continuous open or short to ground in the TCC PWM circuit or the TCC PWM sensor OV to 12V	Fail Counter >43 Counts out of 50 Total Counts Fail Counter >43 Counts	10V <sys 10v<sys="" gear="1st" ign="" on="" td="" volt<17v="" volt<17v<=""><td>Continuous</td><td>TCC PWM Solenoid</td><td>DTC Type A</td></sys>	Continuous	TCC PWM Solenoid	DTC Type A
Electrical			This DTC detects a continuous open or short to ground in the TCC circuit or the TCC sensor	out of 50 Total Counts	Ign On			DTC Type A

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Transmission Component Slipping	P1870	Software	This DTC detects excessive TCC slip when the torque converter clutch should be engaged.	If TCC Slip is above 175 rpm for > 7 sec, then increment the Trans Slip Counter by 1. If the Trans Slip Counter is 3 or greater, then set the code.	Engine Speed > 400 rpm for 8 sec and not in fuel cutoff> sec Gear is not 1st No TPS sensor High or Low DTC's set 9% <tps<35% 0="" 20c<tts<120c="" 50="" apply="" at="" control="" d4="" dtc's="" enable="" for="" ftlbs="" ftlbs<eng="" gear="" is="" kpa="" kpa<eng="" low="" max="" no="" psa="" range="" sensor="" set="" sol.="" ssa="" ssb="" tcc="" torque<500="" tts="" vac<106="" vss=""> 5 sec TCC on for > 5 sec Shift Solenoid Perf Counters equal zero</tps<35%>	7 seconds Continuous	1X Engine Speed Signal and the Vehicle Speed Sensor	DTC Type A
3-2 Control Solenoid Electrical	P1886	Analog	OV to 12V This DTC detects a continuous open or short to ground in the 3-2 control sol. circuit or the 3-2 control sol. sensor	Fail Counter >43 Counts out of 50 Total Counts	10V <sys volt<17v<br="">Ign On</sys>	Continuous	3-2 Control Solenoid	DTC Type A