Component/	Fault	Monitor Strategy	Malfunction	Threshold	Secondary	Enable			Time		Mil
System	Code	Description	Criteria	Value	Malfunction	Conditions			Required		Illum.
System Voltage	P0562	System Voltage Low	System Voltage	e < 10 volt	Engine speed	1 >- 625 mm	>=	5	ō	Sec	No MIL
					Actua Secondary Pressure Solenoid	I > 0.3 MPa					
				Disabl	e MIL not Illuminated for DTC's	TCM: P0842, P0843					
				Conditions		FCM:P0315, P0335, P0336					
System Voltage	P0563	System Voltage High	System Voltage	e > 16 volt			>=	5	ō	sec	No MIL
					Engine speed Vehicle speed Actua Secondary Pressure Salanoir	i >= 625 rpm i >= 1 kph l > 0.3 MPa					
					Secondary Pressure Solehold	1					
				Disabl Conditions	e MIL not Illuminated for DTC's	: TCM: P0721, P0842, P0843 ECM: P0315, P0335, P0336					
Transmission Control Module (TCM)	P0603	Control Module Long-Term Memory Reset	Non-volatile memory (static or dynamic) checksum mismatch	r TRUE	None	2					One Trip
				Disabl Conditions	e MIL not Illuminated for DTC's	: TCM: None					
A/T Range (TR) Switch	P0705	Transmission Range Switch Circuit	The range signal from the TR	switch signal is in a "no range signal"		ECIVI: None	>	30	0	Sec	One Trip
		······	switch	state	System voltage System voltage	e >= 10 V e =< 32 V					
				Disabl Conditions	e MIL not Illuminated for DTC's	: TCM: None ECM: None					
A/T Range (TR) Switch	P0706	Transmission Range Switch Performance	The range signal from the TR switch	more than one "range signal" is detected (Except combination of D and L which	Suctom voltage	10 V	>	2	2	Sec	One Trip
				has overlap by design; defaults to D range)	System voltage	e =< 32 V					
					1						

Component/	Fault	Monitor Strategy	Malfunction		Th	reshold		Secondary		Enable		1	Tin	ne	Mil
System	Code	Description	Criteria			/alue		Malfunction		Conditions			Reau	ired	Illum.
ojotom	0000	Description				luiuc	Disable	MIL not Illuminated for DTC's:	TCM: None	Conditions			nequ	liteu	
							Conditions:		ECM Nore						
									ECIVI: NOTIE						
Transmission Fluid Temperature Sensor (TFT)	P0711	Transmission Fluid Temperature Sensor Performance	ATF Fluid temperature stuck in temperature zone A/T Fluid temperature A/T Fluid temperature	<= >=	10 -40	C° C°		System voltage System voltage	>= =<	10 32	V V	>=	10	Fail Time (Min)	One Trip
								Range Engine speed Vehicle speed Pedal position	D or L Range >= >= >=	450 7 12.5	rpm mph %				
							Disable Conditions:	MIL not Illuminated for DTC's:	TCM: P0705, ECM: None	P0706					
Transmission Fluid Temperature Sensor (TFT)	P0712	Transmission Fluid Temperature Sensor Circuit Low Voltage (short to ground).	A/T Fluid temperature	>=	180	Cº.		System voltage System voltage	>= =<	10 32	V V	>=	5	Fail Time (Sec)	One Trip
							Disable Conditions:	MIL not Illuminated for DTC's:	TCM: None ECM: None						
Transmission Fluid Temperature Sensor (TFT)	P0713	Transmission Fluid Temperature Sensor Circuit High Voltage (open or short to power).	A/T Fluid temperature	<=	-40	C°		System voltage	>=	10	V	>=	5	Fail Time (Sec)	One Trip
								System voltage	=<	32	V				
							Disable Conditions:	Vehicle speed MIL not Illuminated for DTC's:	>= TCM: None ECM: None	7	mph				
Transmission Input Speed Sensor (TISS)	P0717	Input Speed Sensor Circuit No Signal	Fail Case 1 Primary pulley speed	<	150	RPM		System voltage System voltage Secondary Pulley sneed	>= =< >=	10 32 1000	V V RPM	>=	5	Sec	One Trip

Component/	Fault	Monitor Strategy	Malfu	Inction	Threshol	d	Secondary		Enable			Time		Mil
System	Code	Description	Crit	teria	Value		Malfunction		Condition	S		Require	d	Illum.
		Check pulse input	Fail Case 2	Pulse input	No pulse		System voltage System voltage Latest calculated Primary pulley speed	>= =< >=	10 32 1000	V V RPM	>=	500	msec	
						Disable Conditions:	MIL not Illuminated for DTC's:	TCM: None ECM: None						
A/T Vehicle Speed Sensor	P0721	Output Speed Sensor Performance	Fail Case 1	Output gear speed	< 150 RPI	И	System voltage System voltage	>= =<	10 32	V V	>=	10	sec	One Trip
(Output Gear Speed Sensor)							Secondary Pulley speed	>= D Pange or I	1500 Pange or F	rpm P Pange				
							Calculated turbine speed is experienced after engagement	<	300	rpm				
							Output gear speed is not experienced after engagement	>	250	rpm				
		Pulse input	Fail Case 2	Pulse input	No pulse	Disable Conditions:	MIL not Illuminated for DTC's:	TCM: P0705,	P0706		>=	500	msec	
							System voltage System voltage	>= =<	10 32	V V				
							Latest calculated Output gear speed	>=	730	RPM				
						Disable Conditions:	MIL not Illuminated for DTC's:	TCM: None ECM: None						
Torque Converter Clutch (TCC)	P0741	TCC System Stuck OFF		Torque converter slip	(40 + Vehicle >= speed [mph] x 1.6/2)	RPM					>=	30	Sec	Two Trips
							System voltage System voltage	>= =<	10 32	V V				
							TCC Mode Lock up command oil pressure	Commanded Lock >	0.2	MPa				

Component/ System	Fault Code	Monitor Strategy Description	Malfunction Criteria	Threshold Value		Secondary Malfunction	Enable Conditions	Time Required	Mil Illum.
				C	Disable onditions:	MIL not Illuminated for DTC's:	TCM: P0962, P0963, P0961, P2763, P2764, P0842, P0843, P0705, P0706, P0717, P0792, P0885 ECM:P0315, P0335, P0336		
Secondary pulley Speed Sensor	P0792	Intermediate Shaft Speed Sensor Circuit Performance Check Secondary pulley speed	Fail Case 1 Secondary pulley speed	< 150 RPM		System voltage System voltage Primary pulley speed	>= 10 V =< 32 V >= 1000 rpm	> 5 Sec	One Trip
			Fall Case 2 Check pulse input	No pulse		System voltage System voltage Latest calculated Secondary pulley speed	>= 10 V =< 32 V >= 1000 rpm	> 500 msec	
				c	Disable onditions:	MIL not Illuminated for DTC's:	TCM: None ECM: None		
Auxillary Shift Gear In Neutral	P0796	Pressure Control Solenoid Valve 3 Stuck Off [Gear ratio in Neutral (1st gear)] Check current commanded gear ratio and actual gear ratio	Actual auxiliary shift gear ratio	>= 2.232		System voltage System voltage Output gear speed Secondary pulley speed Range Pedal position Current commanded auxillary shift gear	>= 10 V =< 32 V > 625 rpm > 300 rpm > 300 rpm D Range or L Range >= 7.8 % = 1st Gear	>= 2 Sec	One Trip

Component/	Fault	Monitor Strategy	Malfunction		Threshold		Secondary	Enable		Time		Mil
System	Code	Description	Criteria		Value		Malfunction	Conditions		Required		Illum.
						Disable Conditions:	MIL not Illuminated for DTC's:	TCM: P2715,P2714, P0797, P0721, P0792, P0706, P0705, P0970, P0971, P2720, P2721, U0100, U0073 ECM: P0315, P0335, P0336, P2122, P2123, P2127, P2128, P2138		į		
Auxiliary Shift Gear Interlock	P0797	Pressure Control Solenoid Valve 3 Stuck On	Fail Case 1 Actual auxiliary	shift gear ratio	without +/-50% range of designed	_			>=	200	msec	One Trip
/ Incorrect Auxiliary Shift Gear Ratio		[Gear ratio fail (2nd gear)] Check vehicle deceleration and the actual gear ratio Check current commanded gear ratio and actual gear ratio	<u>Fail Case 2</u> Actual auxiliary	' shift gear ratio	2nd gear ratio within +/-10% range of designed 1st gear ratio		System voltage System voltage Engine speed Output gear speed Secondary pulley speed Range Vehicle Speed Vehicle G Current commanded auxiliary shift gear System voltage System voltage Engine speed	>= 10 V =< 32 V > 625 rpm > 300 rpm > 300 rpm D Range or L Range >= 7 Mph < -0.05 G = 2nd gear >= 10 V =< 32 V	>=	500	msec	
						Disable Conditions:	Engline speed Output gear speed Secondary pulley speed Range Vehicle speed Pedal position Current commanded auxiliary shift gear	 > 025 Tpm > 300 rpm > 300 rpm D Range or L Range >= 7 Mph >= 7.8 % = 2nd gear TCM: P2715, P2714, P0796, P0721, P0792, P0706, P0705, P0970, P0971, P2720, P2721, U0100, U0073 ECM: P0315, P0335, P0336, P2122, P2123, P2127, P2128, P2138 				

Component/	Fault	Monitor Strategy		Malfunction		Т	hreshold		Secondary		Enable			Time		Mil
System	Code	Description		Criteria			Value		Malfunction		Conditions			Required	ł	Illum.
Secondary pulley Pressure Sensor	P0841	Transmission Fluid Pressure Sensor Performance Rationality Compare actual pressure with	Fail Case 1	Actual secondary pressure -	>	0.675	MPa		System voltage	>=	10	V		5 sec		One Trip
		target pressure		raget secondary pressure					System voltage Range	=< D Range	32	V				
									Primary Pulley Secondary Pulley	>	306 230	rpm rpm				
									Vehicle Speed Rate of Change	<	31	mph				
									Pulley ratio Rate of Change	<	0.1					
									Pedal position Rate of Change	<	21	%				
								Disable Conditions:	MIL not Illuminated for DTC's:	TCM: P0717 P0706, P070 P0843, P088	, P0792, P0721 95, P0963, P096 95	, U0100, 1, P0842,				
										ECM: P0315	, P0335, P0336					
			<u>Fail Case 2</u>	Target secondary pressure - Actual secondary pressure	>	1.2	MPa		System voltage	>=	10	V		10 sec		
									Range Engine speed Vehicle Speed Pedal position	D Range >= >= >=	450 7 12.5	rpm mph %				
									A/T Fluid temperature	>= <	0 180	MPa Cº				
									A/T Fluid temperature	>	20	C°				
								Disable Conditions:	MIL not Illuminated for DTC's:	TCM: P0717 P0706, P070 P0842, P084 U0073, P07 ECM: P0315 P2123, P212	, P0792, P0721)5, P0963, P096 3, P0741, P276 1, P0712, P07 , P0335, P0336 7, P2128, P213	, U0100, 2, P0961, 4, P2763, 3 , P2122, 8				
Secondary pulley Pressure Sensor	P0842	Transmission Fluid Pressure Sensor Circuit Low Voltage		Sensor circuit Input Voltage	<=	0.09	volts						>=	5	Sec	Two Trips
- Consol		Check input voltage							System voltage System voltage	>= =<	10 32	V V				mpo
									A/T Fluid temperature	>	-20	C°				

Component/	Fault	Monitor Strategy	Malfunction	Thres	shold	Secondary	Enable			Time		Mil
System	Code	Description	Criteria	Val	ue	Malfunction	Conditions	5		Require	ed	Illum.
					Disable Conditions:	MIL not Illuminated for DTC's:	TCM: None ECM: None					
Secondary pulley Pressure Sensor	P0843	Transmission Fluid Pressure Sensor Circuit High Voltage Check input voltage	Sensor circuit Input Voltage	>= 4.7	volts Disable Conditions:	System voltage System voltage A/T Fluid temperature Target pressure of Secondary Pressure Solenoid MIL not Illuminated for DTC's:	 >= 10 =< 32 > -20 <= 5.7 TCM: None FCM: None 	V V MPa	>=	5	SEC	Two Trips
							ECIVI. NORC					
ROM Assembly	P0863	ROM Read error	ROM assembly read error	= TRUE	Disable Conditions:	System voltage Range Output speed sensor pulse input starting from IGN-ON MIL not Illuminated for DTC's:	P >= 6.5 P range or N range = None TCM:None ECM: None	V	>=	10	Sec	One Trip
		Communication error	ROM assembly communication error	= TRUE	Disable Conditions:	System voltage System voltage Range Output speed sensor pulse input starting from IGN-ON MIL not Illuminated for DTC's:	 >= 10 =< 32 P range or N range = None TCM: None ECM: None 	V V	>=	10	sec	
High Clutch Pressure Switch	P0871	Transmission Fluid Pressure Switch Performance	Fail Case 1 High clutch pressure switch status	= ON		Range	P Range or R Range or N	range	>	1.5	sec	One Trip

Component/	Fault	Monitor Strategy	Malfunction	Threshold	Secondary	Enable	Time	Mil
System	Code	Description	Criteria	Value	Malfunction	Conditions	Required	Illum.
				Disable Conditions:	High clutch pressure command ROM assembly communication status MIL not Illuminated for DTC's:	 =< 0 MPa Not communicating TCM: P0705, P0706, P0796, P2715, P2714, P0797, P0961, P0962, P0963, P2720, P2721, P0711, P0712, P0713 		
			Fail Case 2 High clutch pressure switch status	= ON	Deare	ECM: None	> 1.5 sec	
					High clutch pressure command Engine speed Current commanded auxiliary shift gear Vehicle speed	 of Linge of Linge O MPa 400 rpm = 1st gear > 7 Mph 		
				Disable Conditions:	ROM assembly communication status MIL not Illuminated for DTC's:	Not communicating TCM: P0705, P0706, P0796, P2715, P2714, P0797, P0961, P0962, P0963, P0970, P0971, P2720, P2721, P0711, P0712, P0713, P0721, P0717, P0792		
			Fail Case 3 High clutch pressure switch status	= OFF		ECM: None	> Refer to sec Table 1 sec	
					Range High clutch pressure command	D range or L range >= 0.2 MPa		
					Current commanded auxiliary shift gear High Clutch pressure solenoid command current	= 2nd =< 50 mA		
					High Clutch pressure solenoid monitor current	=< 60 mA		
1	1	I	1	1	Engine speed	> 550 rpm		1

Component/	Fault	Monitor Strategy	Malfunction	Threshold	1	Secondary	En	able		Time		Mil
System	Code	Description	Criteria	Value		Malfunction	Cond	litions		Required	1	Illum.
						Output gear speed Secondary pulley speed Actual auxiliary shift gear ratio Pedal position ROM assembly communication status MIL not Illuminated for DTC's:	> > Not communicating TCM: P0705, P0706 P0797, P2714, P09 P0970, P0971, P27 P0712, P0713, P07	300 rpm 300 rpm 1.1 7.8 5, P0796, P2715, 51, P0962, P0963, 20, P2721, P0711, 21, P0792				
		Transmission Control Module /TCM					ECM: None					One Trin
Input Voltage	P0885	Power Relay Control Circuit	Power Source	e < 8.4 V					>=	200	msec	One mp
						System voltage	>	11 V				
					Disable Conditions:	MIL not Illuminated for DTC's:	TCM: None					
							ECM: None					
Line Pressure Solenoid	P0961	Line Pressure Control Solenoid Valve Performance Check pulley ratio	Fail Case 1									One Trip
			(Primary pulley speed /Secondary pulley speed)	> 2.55					>=	200	msec	
						Range	D Range or L Range	e or R Range				
						Engine Speed Primary pulley speed	> (500 rpm				
						Key On timer	>=	500 ms				
						Vehicle G	>= -0	.051 G				
						Output speed	<=	107 rpm				
						Secondary pulley speed	>	61 rpm				
						Pedal pressed	= T	RUE				
		Check pulley ratio	Fail Case 2			by at least 1sec	=	RUE				
			(Primary pulley speed /Secondary	3 35		-,			>-	100	msoc	
			pulley speed)) 0.00		Range	D Dango or L Dang	or P Dango	-	100	11300	
						Engine Speed		500 rpm				
						Primary pulley speed	> !	500 rpm				
						Key On timer	>=	500 ms				
						Vehicle G	>= -0	.051 G 107 rpm				
						or or		· · · · · · · · · · · · · · · · · · ·				
						Secondary pulley speed Pedal pressed	> = T	61 rpm RUE				

Component/	Fault	Monitor Strategy	Malfunction		Threshold		Secondary		Enable			Time	;	Mil
System	Code	Description	Criteria		Value		Malfunction	(Conditions			Requir	ed	Illum.
						Disable Conditions:	Two fault occurances seperated by at least 1sec MIL not Illuminated for DTC's:	= TCM: P0717, F ECM: None	TRUE 20721					
Line Pressure Solenoid	P0962	Line Pressure Control Solenoid Valve Control Circuit Low Voltage	Monitored current	<= 20	0 mA						>=	200	msec	One Trip
			Commanded current	>= 75	0 mA		System voltage System voltage	>= =<	10 32	V V				
							Hardware circuitry detects short to ground	=	TRUE					
							Line Pressure Solenoic command	=	ON					
						Disable Conditions:	MIL not Illuminated for DTC's:	TCM: P0963 ECM: None						
Line Pressure Solenoid	P0963	Line Pressure Control Solenoid	Monitored current	<= 20	0 mA						>=	200	msec	One Trip
		vaive control circuit high voltage	Commanded current	>= 75	0 mA		System voltage System voltage	e >= e =<	10 32	V V				
							Hardware circuitry detects short to ground	=	FALSE					
							Line Pressure Solenoid command	=	ON					
						Disable Conditions:	MIL not Illuminated for DTC's:	TCM: P0962 ECM: None						
Primary Pressure Solenoid	P0965	Pressure Control Solenoid Valve 2 Performance	Fail Case 1 Pulley ratio (Primary pulley speed /Secondary pulley speed)	>= 2.	0 and						>=	5	Sec	One Trip
				<= 2.	4		Range Engine Speed Target pulley ratio	D Range or L F > <	Range or R F 500 1.2	Range rpm				
			Fail Case 2 Pulley ratio (Primary pulley speed /Secondary pulley speed)	>= 0.3	5 and						>=	5	Sec	
				<= 0.7	'5		Range Engine Speed Target pulley ratio	D Range or L F > >	ange or R F 500 1.55	Range rpm				

Component/	Fault	Monitor Strategy	Malfunction		Threshold		Secondary		Enable			Time	;	Mil
System	Code	Description	Criteria		Value		Malfunction		Conditions			Requir	ed	Illum.
						Disable Conditions:	MIL not Illuminated for DTC's:	TCM: P0717, P0841, P0962 P0967, P0706 ECM: P0315,	P0792, P0842 2, P0963, P096 3, P0705, U010 P0335, P0336	2, P0843, 61, P0966, 00				
Primary Pressure Solenoid	P0966	Pressure Control Solenoid Valve 2 Control Circuit Low Voltage STG	Monitored current Commanded current	<= 200 >= 750		mA mA	System voltage System voltage	>= =<	10 32	V V	>	480	msec	One Trip
							Hardware circuitry detects short to ground	=	TRUE					
							Primary Pressure Solenoid command	=	ON					
						Disable Conditions:	MIL not Illuminated for DTC's:	TCM: P0967 ECM: None						
Primary Pressure Solenoid	P0967	Pressure Control Solenoid Valve 2 Control Circuit High Voltage Open	Monitored current	<= 200		mA					>	200	msec	One Trip
			Commanded current	>= 750		mA	System voltage System voltage	>= =<	10 32	V V				
							Hardware circuitry detects short to ground	=	FALSE					
							Primary Pressure Solenoid command	=	ON					
						Disable Conditions:	MIL not Illuminated for DTC's:	TCM: P0966						
								ECIVI: NONE						
Low Brake (L/B) Solenoid	P0970	Pressure Control Solenoid Valve 3 Control Circuit Low Voltage STG	Monitored current	<= 200		mA					>	480	msec	One Trip
			Commanded current	>= 750		mA	System voltage System voltage	>= =<	10 32	V V				
							Hardware circuitry detects short to ground	=	TRUE					
							Low Brake (L/B) Solenoid command	=	ON					

Component/	Fault	Monitor Strategy	Malfunction	Threshol	d	Secondary		Enable			Time	е.	Mil
System	Code	Description	Criteria	Value	Disable	Malfunction MIL not Illuminated for DTC's:	TCM: P0971	Conditions			Requir	red	Illum.
					Conditions:		ECM: None						
.ow Brake (L/B) Solenoid	P0971	Pressure Control Solenoid Valve 3 Control Circuit High Voltage Open	Monitored current	<= 200	mA					>	200	msec	One Tri
		5 5 1	Commanded current	>= 750	mA	System voltage System voltage	>= =<	10 32	V V				
						Hardware circuitry detects short to ground	=	FALSE					
						Low Brake (L/B) Solenoid command	=	ON					
					Disable	MIL not Illuminated for DTC's:	TCM: P0970						
					conditions.		ECM: None						
OM Assembly	P1790	Data mismatch	Data miss match between ROM assembly data and NVM data	= TRUE									One Tri
						ROM assembly read succeed Output speed sensor pulse input starting from IGN-ON	=	TRUE None					
					Disable Conditions:	MIL not Illuminated for DTC's:	TCM: None ECM: None						
uxiliary Shift Gear Interlock	P2714	Pressure Control (PC) Solenoid 4 - Stuck Off	Fail Case 1 Actual auxiliary shift gear ratio	outside a +/-50% range of designed						>=	200	msec	One Tri
Incorrect Auxiliary Shift jear Ratio		[Gear ratio fail (1st gear)]		1st gear ratio									
		Check vehicle deceleration and the actual gear ratio				System voltage System voltage	>= =<	10 32	V V				
						Engine speed Output gear speed Secondary pulley speed Range Vehicle speed Vehicle G Current commanded auxiliary	> > D Range or L >= < =	625 300 300 . Range 7 -0.05 1st Gear	rpm rpm rpm G				

Component/	Fault	Monitor Strategy	Malfunction	Threshold		Secondary	Enable	Time	Mil
System	Code	Description	Criteria	Value		Malfunction	Conditions	Required	Illum.
					Disable Conditions:	MIL not Illuminated for DTC's:	TCM: P2715,P0797, P0796, P0721, P0792, P0706, P0705, P0970, P0971, P2720, P2721, U0100, U0073 ECM: P0315, P0335, P0336, P2122, P2123, P2127, P2128, P2138		
		Check current commanded gear ratio and actual gear ratio	<u>Fail Case 2</u> Actual auxiliary shift gear ratio	within +/-10% range of designed 2nd gear ratio		System voltage	- →= 10 V	>= 500 msec	
						System voltage	=< 32 V		
						Engine speed Output gear speed Secondary pulley speed Range Vehicle speed Pedal position Current commanded auxiliary shift gear	> 625 rpm > 300 rpm > 300 rpm D Range or L Range >= 7 Mph >= 7.8 % = 1st Gear		
					Disable Conditions:	MIL not Illuminated for DTC's:	TCM: P2715,P0797, P0796, P0721, P0792, P0706, P0705, P0970, P0971, P2720, P2721, U0100, U0073		
							ECM:P0315, P0335, P0336, P2122, P2123, P2127, P2128, P2138		
			Fail Case 3 High clutch pressure switch status	= ON				> 1.5 sec	
						Engine speed Vehicle speed	> 400 rpm < 7 Mph		
						High clutch pressure command	_{=<} 0 MPa		
						Current commanded auxiliary shift gear	= 1st Gear		
						High clutch pressure switch valid judgement	= FALSE		
						High clutch pressure status changed from OFF to ON during engagement to D range	= TRUE		

Component/	Fault	Monitor Strategy	Malfunction	Thre	shold	Secondary	Enable	Time	Mil
System	Code	Description	Criteria	Va	ilue	Malfunction	Conditions	Required	Illum.
					Disable Conditions:	MIL not Illuminated for DTC's:	TCM: P2714, P0797, P0796, P2715, P0970, P0971, P2720, P2721, P0721, P0792, P0717, P0706, P0705, P0871 ECM: P0315, P0335, P0336		
			Fall Case 4 High clutch pressure switch status	= ON		Engine speed Vehicle speed Range High clutch pressure command Current commanded auxiliary shift gear High clutch pressure switch valid judgement	> 400 rpm < 7 Mph D Range or L Range =< 0 MPa = 1st Gear = TRUE	> 1.5 sec	
					Disable Conditions:	MIL not Illuminated for DTC's:	TCM: P2714, P0797, P0796, P2715, P0970, P0971, P2720, P2721, P0721, P0792, P0717, P0706, P0705, P0871 ECM: P0315, P0335, P0336		
Auxillary Shift Gear In Neutral	P2715	Pressure Control Solenoid Valve 4 Stuck On [Gear ratio in Neutral (2nd gear)] Check current commanded gear ratio and actual gear ratio	Actual auxiliary shift gear ratio	>= 2.232	-	System voltage System voltage Engine speed Output gear speed Secondary pulley speed Range Pedal position Current commanded auxiliary shift gear	>= 10 V =< 32 V > 625 rpm > 300 rpm D Range or L Range >= 7.8 % = 2nd gear	>= 2 sec	One Trip

Component/	Fault	Monitor Strategy	Malfunction	Threshold		Secondary	Enable			Time			Mil	
System	Code	Description	Criteria		Value		Malfunction	Conditions			Requir	ed	Illum.	
						Disable Conditions:	MIL not Illuminated for DTC's:	TCM: P2714 P0792, P0706 P2720, P272 ECM: P0315, P2123, P212	, P0796, P079 6, P0705, P09 1, U0100, U00 P0335, P033 7, P2128, P21	7, P0721, 70, P0971, 73 6, P2122, 38				
High Clutch (H/C) Solenoid	P2720	Pressure Control Solenoid Valve 4 Control Circuit Low Voltage STG	Monitored current	<= 200		mA					>	200	msec	One Trip
			Commanded current	>= 750		mA	System voltage System voltage	>= =<	10 32	V V				
							Hardware circuitry detects short to ground	=	TRUE					
							High Clutch (H/C) Solenoid command	=	ON					
						Disable Conditions:	MIL not Illuminated for DTC's	TCM: P2721						
								ECM: None						
High Clutch (H/C) Solenoid	P2721	Pressure Control Solenoid Valve 4 Control Circuit High Voltage Open	Monitored current	<= 200		mA					>	200	msec	One Trip
			Commanded current	>= 750		mA	System voltage System voltage	>= =<	10 32	V V				
							Hardware circuitry detects short to ground	=	FALSE					
							High Clutch (H/C) Solenoid command	=	ON					
						Disable Conditions:	MIL not Illuminated for DTC's:	TCM: P2720						
								ECM: None						
TCC Linear Solenoid	P2763	Torque Converter Clutch (TCC) Pressure Control Solenoid Valve Control Circuit High Voltage	Monitored current Commanded Current	<= 200 >= 750	mA mA		System voltage System voltage	>= =<	10 32	V V	>	5	Sec	Two trips
							Hardware circuitry detects short to ground	=	FALSE					
							TCC Linear Solenoid command	=	ON					

Component/	Fault	Monitor Strategy	Malfunction		Thresho	ld	Secondary		Enable			Time	•	Mil
System	Code	Description	Criteria		Value		Malfunction		Conditions			Requir	ed	Illum.
						Disabl	e MIL not Illuminated for DTC's	TCM: P2764						
						Conditions		ECM: None						
								E ONI: NONC						Two trips
TCC Linear Solenoid	P2764	Torque Converter Clutch (TCC)	Monitored current	<= 20	00 mA	1					>=	480	msec	i wo uip:
		Pressure Control Solenoid Valve		-	50		O		10					
		Control Circuit Low Voltage	Commanded Current	>= /!	50 m/	l	System voltage System voltage	2 >=	10	V				
							o jotom voltage		02	•				
							Hardwara circuita, datacta chart ta							
							dround around	=	TRUE					
							TCC Linear Solenoid	=	ON					
							command	1						
						Disabl	e MIL not Illuminated for DTC's	TCM: P2763						
						Conditions		ECM: None						
Communication	110072	Controller Area Network Bus	CAN Bus Detects Invalid	то		alaan						2	S	One Trip
Communication	00073	Communication Error	Message Error	= 18	UE BU	DIEGIT					>	3	Sec	
											or	Periodic Int	erval x 5 times	
											210	T chould fin		
							System voltage) >=	10	V				
							System voltage	e =<	32	V				
							System voltage over Min for	· >	2	sec				
							Ignition On for	r >	2	sec				
							Engine speed	>=	600	rpm				
							Calculated turbine speed	>=	600	rpm				
						Disabl	MIL not Illuminated for DTC's	TCM: None						
						Conditions		ECM: None						
Communication	110100	Lost Communications with Engine	Comm. Message Invalid Between	TD								2	6	One Trip
Communication	00100	Control System	ECU and TCM	= 18	UE BO	blean					>	2	Sec	
											or	Doriodic Int	orval v 5 timos	
											> 10	Penouic Ini	ervar × 5 times	
							System voltage	>=	10	V				
							System voltage	=<	32	V				
							System voltage over Min for	· >	2	sec				
							Ignition On for	r >	2	sec				
							Engine choose		600	rom				
							Calculated turbine speed	>=	600	rpm				

Component/	Fault	Monitor Strategy	Malfunction	Threshold	Secondary	Enable	Time	Mil
System	Code	Description	Criteria	Value	Malfunction	Conditions	Required	Illum.
				Disable Conditions:	MIL not Illuminated for DTC's:	TCM: None ECM: None		

Supporting Tables

Table 1											Units
Axis	-55	-20	-19	-10	-9	0	1	40	41	200	Deg C
Curve	10.2	10.2	7.5	7.5	5.5	5.5	3.5	3.5	2.5	2.5	Sec