

Component Transmission Outputs Monitor Introduction

Cm03X-01

Component Transmission Outputs Monitor Summary

The shift pattern and lock-up pattern are stored in the ECM.

The sensors and switches send signals of vehicle running conditions to the ECM.

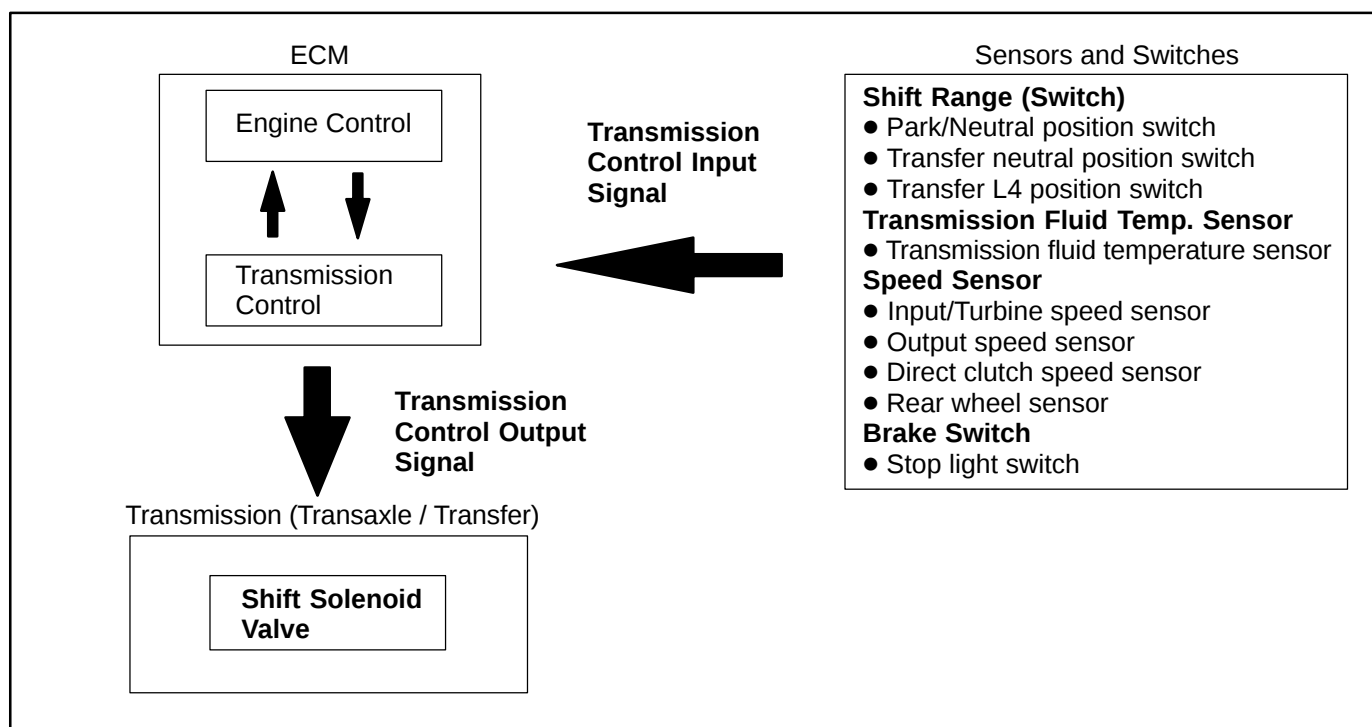
The ECM determines whether the shift and lock-up operations should be turned on or off according to input signals.

The ECM sends signals to each solenoid for shift and lock-up operation.

The names and functions of the solenoids are shown in the following table.

The names and functions of the solenoids:

Solenoid Name	Function
Shift solenoid valve SL1	Clutch hydraulic pressure control
Shift solenoid valve SL2	
Shift solenoid valve SL3	
Shift solenoid valve SL4	
Shift solenoid valve S1	Shift timing control
Shift solenoid valve S2	
Shift solenoid valve S3	
Shift solenoid valve S4	
Shift solenoid valve ST	
Shift solenoid valve SR	
Shift solenoid valve SLT	Line hydraulic pressure control
Shift solenoid valve SLN	Clutch hydraulic pressure control
Shift solenoid valve SLD	Center differential clutch control
Shift solenoid valve DSL	Lock-up clutch control
Shift solenoid valve SLU	
Shift solenoid valve SL	
Shift solenoid valve SL	



Components of Transmission Output Chart:

Section	Document	Contents	Extended Code	Previous Code	See Page
Component Transmission Output	Solenoid "A"	Pressure Control Solenoid "A" Performance (Shift Solenoid Valve SL1) Monitor Description	P0746	P0750	Cm-2
		Shift Solenoid "A" Performance (Shift Solenoid Valve S1) Monitor Description	P0751		
		Pressure Control Solenoid "A" Electrical (Shift Solenoid Valve SL1) Monitor Description	P0748	P0753	Cm-142
		Shift Solenoid "A" Electrical (Shift Solenoid Valve S1) Monitor Description	P0973		
			P0974		
	Solenoid "B"	Shift Solenoid "B" Performance (Shift Solenoid Valve S2) Monitor Description	P0756	P0755	Cm-158
		Pressure Control Solenoid "B" Performance (Shift Solenoid Valve SL2) Monitor Description	P0776	P0755	Cm-158
		Shift Solenoid "B" Electrical (Shift Solenoid Valve S2) Monitor Description	P0976	P0758	Cm-271
			P0977		
		Pressure Control Solenoid "B" Electrical (Shift Solenoid Valve SL2) Monitor Description	P0778		
	Solenoid "C"	Shift Solenoid "C" Performance (Shift Solenoid Valve S3) Monitor Description	P0761	P0760	Cm-288
		Pressure Control Solenoid "C" Performance (Shift Solenoid Valve SL3) Monitor Description	P0796	P0760	Cm-288
		Pressure Control Solenoid "C" Electrical (Shift Solenoid Valve SL3) Monitor Description	P0798	P0763	Cm-359
		Shift Solenoid "C" Control Circuit (Shift Solenoid Valve S3) Monitor Description	P0979		
			P0980		
	Solenoid "D"	Shift Solenoid "D" Performance (Shift Solenoid Valve S4) Monitor Description	P0766	P0765	Cm-320
		Shift Solenoid "D" Control Circuit (Shift Solenoid Valve S4) Monitor Description	P0768	P0768	Cm-368
			P0982		
			P0983		
		Pressure Control Solenoid "D" Performance (Shift Solenoid Valve SLT) Monitor Description	P2714	–	Cm-380
		Pressure Control Solenoid "D" Electrical (Shift Solenoid Valve SLT) Monitor Description	P2716	P1760	Cm-383

Components of Transmission Output Chart (Continued):

Section	Document	Contents	Extended Code	Previous Code	See Page
Component Transmission Output	Solenoid "E"	Shift Solenoid "E" Performance (Shift Solenoid Valve SR) Monitor Description	P0771	P1815	Cm-342
		Shift Solenoid "E" Control Circuit (Shift Solenoid Valve SR) Monitor Description	P0985	P1818	Cm-377
			P0986		
		Pressure Control Solenoid "E" Electrical (Shift Solenoid Valve SLN) Monitor Description	P2725	P1765	Cm-392
	Shift/Timing Solenoid	Shift/Timing Solenoid (Shift Solenoid Valve ST) Monitor Description	P0785	P1790	Cm-354
	Differential Lock Solenoid	Differential Lock Solenoid No.1 Circuit Malfunction (Shift Solenoid Valve SLD) Monitor Description	–	P1770	Cm-402
	Torque Converter Clutch Solenoid	Torque Converter Clutch Solenoid Performance (Shift Solenoid Valve DSL) Monitor Description	P0741	P0770	Cm-405
		Torque Converter Clutch Circuit Electrical (Shift Solenoid Valve DSL) Monitor Description	P0743	P0773	Cm-471
			P2769		
			P2770		
		Torque Converter Clutch Pressure Control Solenoid Performance (Shift Solenoid Valve SLU) Monitor Description	P2757	–	Cm-489
		Torque Converter Clutch Pressure Control Solenoid Circuit Electrical (Shift Solenoid Valve SLU) Monitor Description	P2759	P1755	Cm-493