

Component Transmission Inputs Monitor Introduction

C102B-01

Component Transmission Inputs Monitor Summary

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

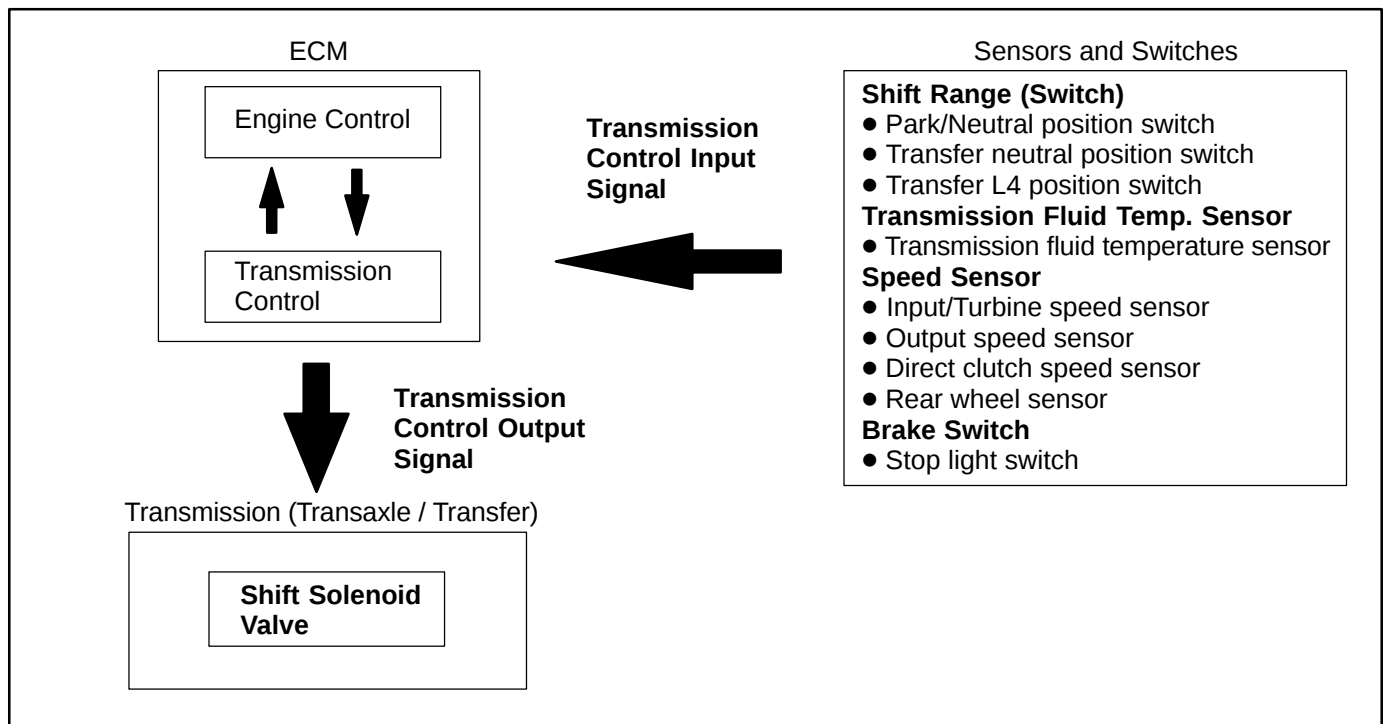
The sensors and switches send signals of vehicle running conditions to the ECM.

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 input signals of sensors and switches are listed below:

- Shift range signal by the shift positions switch
 - Transmission fluid temperature sensor signal by the transmission fluid temperature sensor
 - Vehicle speed signal by the speed sensor
 - Brake signal by the brake pedal depression (stop light switch is turned on)
 - Throttle valve opening angle signal by the throttle position sensor
 - Signal to adjust the transmission shift and lock up points by the pattern select switch
 - Engine coolant temperature signal by the engine coolant temperature sensor
 - Overdrive main switch ON/OFF switch
- etc.



Components of Transmission Input Chart:

Section	Document	Contents	Extended Code	Previous Code	See Page
Component Transmission Input	Shift Range	Transmission Range Sensor Circuit Malfunction (PRNDL Input) Monitor Description	P0705	P1780	Ct-2
		Park/Neutral Switch Input Circuit Monitor Description	P0850		
		1-2 Shift Monitor Description	P0781	–	Ct-26
		Driveline Disconnect Switch Input Circuit Monitor Description	P0818	P1783	Ct-29
		T/F L4 Range Position Switch Performance Monitor Description	P1782	P1782	Ct-32
	Transmission Temp. Sensor	Transmission Fluid Temp. Sensor "A" Circuit Monitor Description	P0710	P0710	Ct-38
			P0712		
			P0713		
		Transmission Fluid Temp. Sensor "A" Performance Monitor Description	P0711	P0711	Ct-47
		Transmission Fluid Temp. Sensor "B" Circuit Monitor Description	P2740	–	Ct-60
			P2742		
			P2743		
	Speed Sensor	Input/Turbine Speed Sensor Circuit No Signal Monitor Description	P0717	P0715	Ct-62
				P1725	
		Output Speed Sensor Monitor Description	P0722	P1700	Ct-76
		Intermediate Shaft Speed Sensor "A" Monitor Description	P0793	P1705	Ct-85
				P1730	
	Brake Switch	Brake Switch "B" Circuit High Monitor Description	P0724	P1715	Ct-94
	Brake Switch	Brake Switch "B" Circuit High Monitor Description	P0724	P1520	Ct-97