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2009 Pontiac G8 | G8 Service Manual | Transmission | Automatic Transmission - 6L50/6L80/6L90 | Specifications |

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Shift Solenoid Valve State and Gear Ratio

Gear	Shift SOL 1	Shift SOL 2	1-2-3-4 CL PC SOL 5 N.L.	2-6 CL PC SOL 4 N.L.	3-5 REV CL PC SOL 2 N.H.	LOW REV 4-5- 6 CL PC SOL 3 N.H.	Gear Ratio
Park	ON	ON	OFF	OFF	OFF	ON	
Reverse	ON	OFF	OFF	OFF	ON	ON	3.06
Neutral	ON	ON	OFF	OFF	OFF	ON	
1st Braking	ON	ON	ON	OFF	OFF	ON	4.03
1st	OFF	ON	ON	OFF	OFF	OFF	4.03
2nd	OFF	ON	ON	ON	OFF	OFF	2.36
3rd	OFF	ON	ON	OFF	ON	OFF	1.53
4th	OFF	ON	ON	OFF	OFF	ON	1.15
5th	OFF	ON	OFF	OFF	ON	ON	0.85
6th	OFF	ON	OFF	ON	OFF	ON	0.67

For shift solenoids 1 and 2, "ON" = Solenoid Energized (Pressurized) "OFF" = Solenoid Deenergised (No Pressure).

For pressure control solenoids, "ON" = Pressurized, "OFF" = No Pressure