TRANSMISSION VALVE BODY ASSEMBLY

1. General

The transmission valve body assembly consists of the upper and lower valve bodies and 9 shift solenoid valves (SL1, SL2, SL3, SL4, SL5, SLU, SLT, SL, SR).



► Upper Valve Body ◀



► Lower Valve Body ◀



Primary Regulator Valve

036CH26TE

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2. Shift Solenoid Valves

Shift Solenoid Valve SL1, SL2, SL3, SL4, SL5, SLU and SLT

- In order to provide a hydraulic pressure that is proportional to the current that flows to the solenoid coil, shift solenoid valves SL1, SL2, SL3, SL4, SL5, SLU and SLT linearly control the line pressure and clutch and brake engagement pressure based on the signals from the TCM.
- Shift solenoid valves SL1, SL2, SL3, SL4 and SL5 are high flow linear solenoid valves that can supply more pressure than conventional ones. These shift solenoid valves control engagement elements by directly regulating the line pressure without using a pressure regulation valve or a pressure reduction valve. Thus, the number of valves and the length of the valve body fluid passage have been reduced, the shifting response has been increased and the shift shock has been minimized.



Shift Solenoid Valve SL1, SL3, SL4 and SL5

Sleeve

036CH30TE

Current





► Function of Shift Solenoid Valves ◀

Shift Solenoid Valve	Function	
SL1	C ₁ clutch pressure control	
SL2	C ₂ clutch pressure control	
SL3	C ₃ clutch pressure control	
SL4	C ₄ clutch pressure control	
SL5	B ₁ brake pressure control	
SLU	 Lock-up clutch pressure control B₂ brake pressure control 	
SLT	Line pressure control	

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Shift Solenoid Valve SL and SR

- Shift Solenoid valve SL and SR are 3-way solenoid valves.
- A filter is provided at the tip of the solenoid valve to further improve operational reliability.

► Shift Solenoid Valve SL ◀



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► Function of Shift Solenoid Valve ◄

Shift Solenoid Valve	Туре	Function
SL	3-way	Switches the lock-up relay valve.Switches the reverse control valve.
SR	3-way	Switches the clutch apply control valve.Switches the sequence control valve.