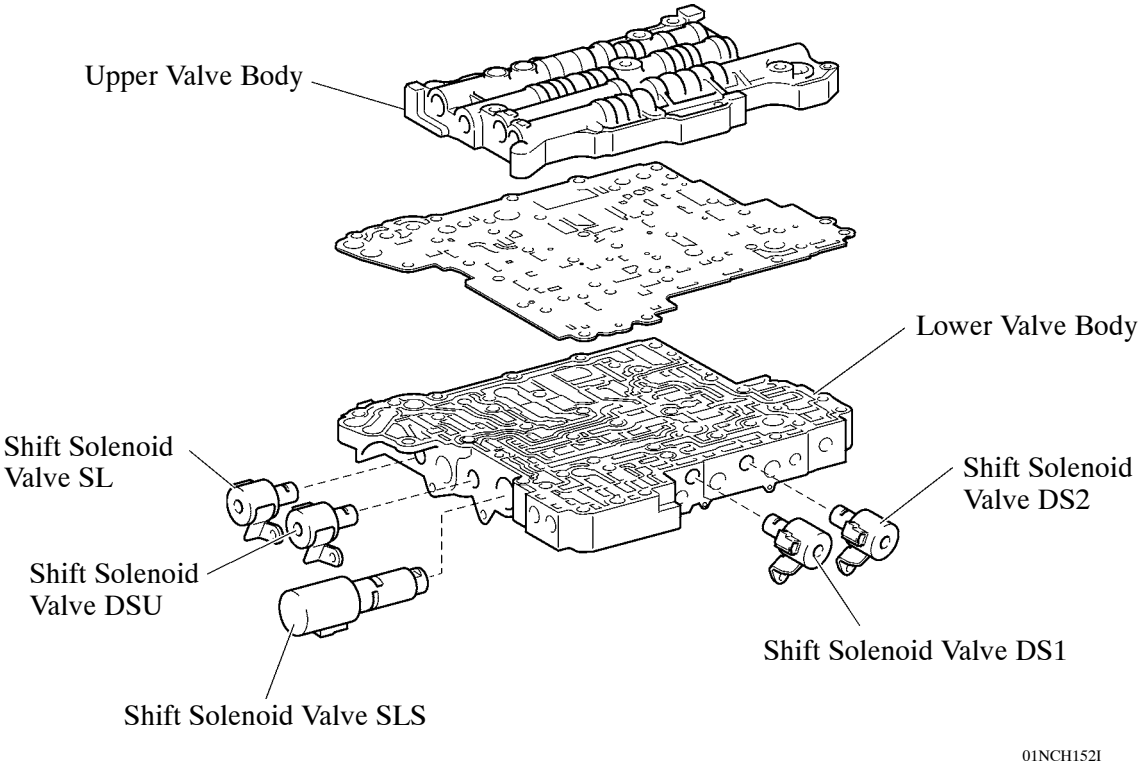
■VALVE BODY UNIT

1. General

- The transmission valve body assembly consists of the upper and lower valve bodies and 5 shift solenoid valves.
- The 5 shift solenoid valves are installed in the lower valve body for serviceability.

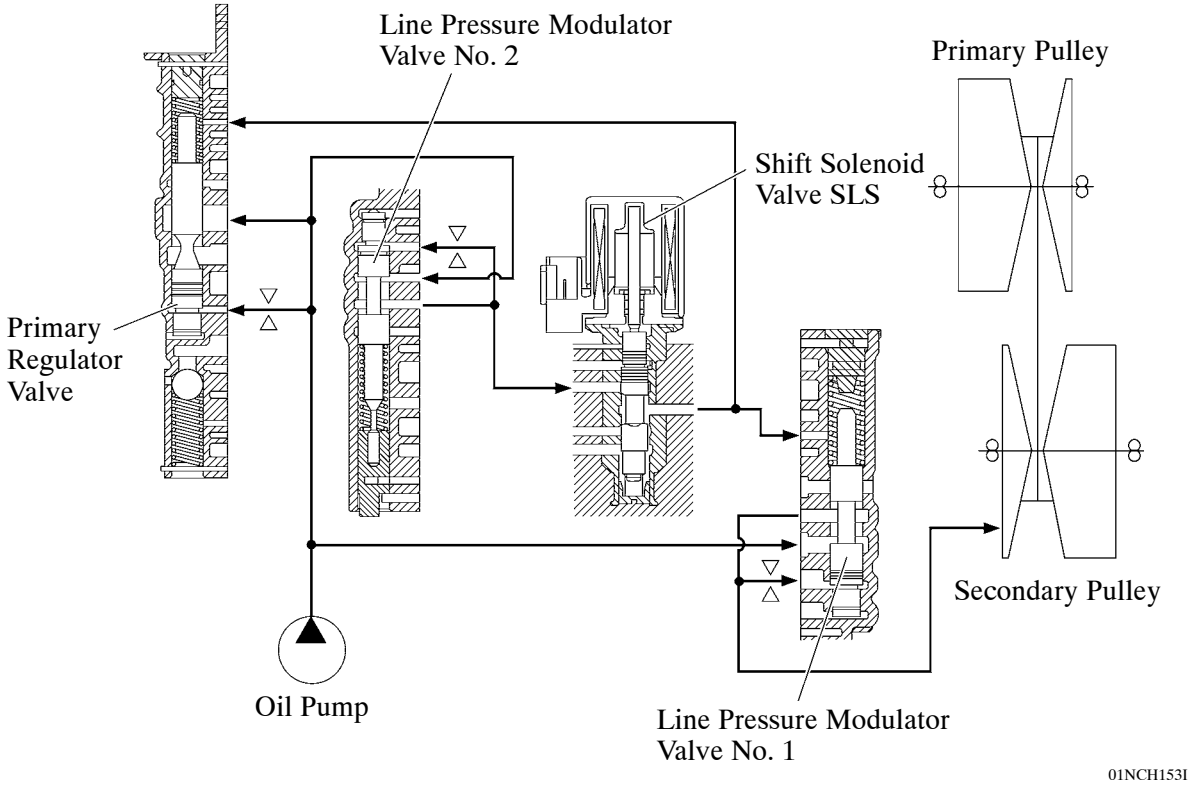


▶ Function of Shift Solenoid Valve ◀

Shift Solenoid Valve	Function
Shift Solenoid Valve DS1	Controls the fluid inflow volume to the primary pulley.
Shift Solenoid Valve DS2	Controls the fluid outflow volume to the primary pulley.
Shift Solenoid Valve DSU	Controls the lock-up clutch pressure.
Shift Solenoid Valve SL	Switches the control of the shift solenoid valve SLS.
Shift Solenoid Valve SLS	● Controls the belt clamping pressure. ● Controls the line pressure.

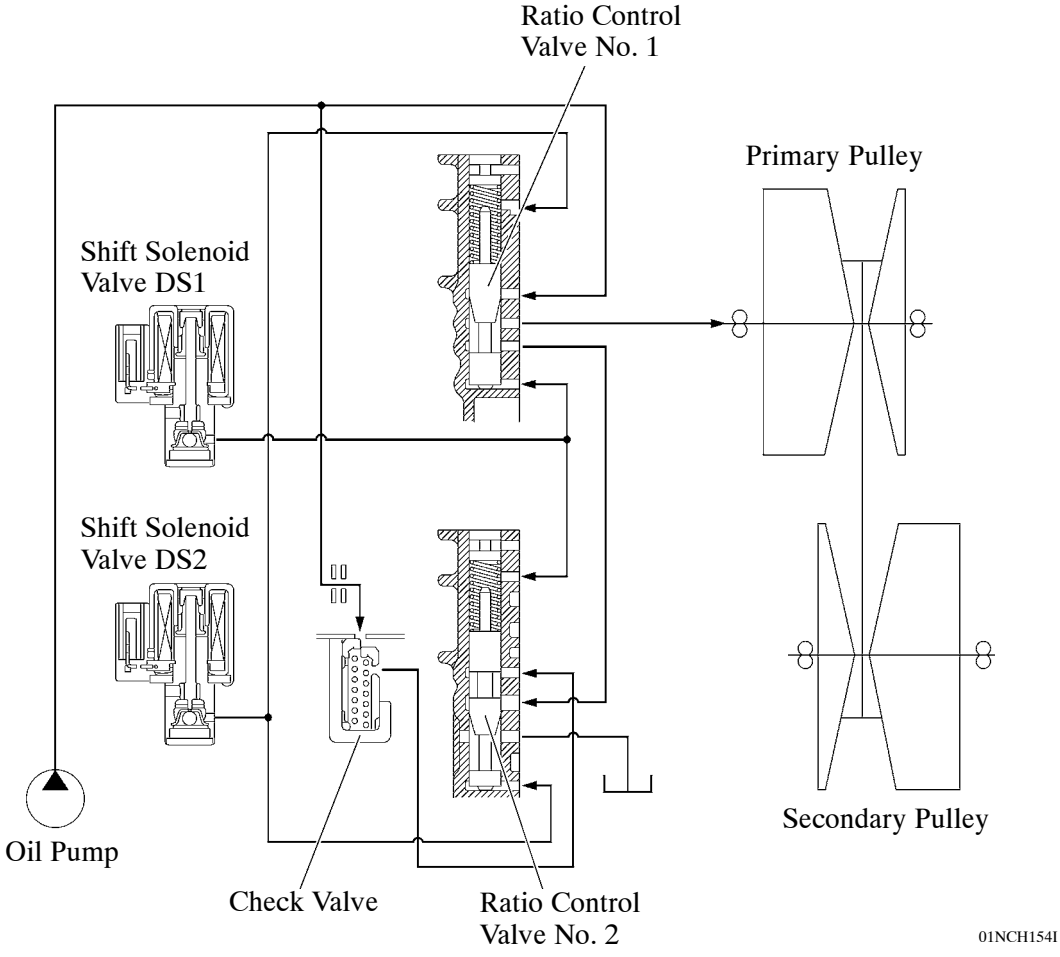
2. Belt Clamping Pressure Control Circuit

To ensure the proper control of the belt clamping pressure necessary for transmitting torque, the system controls the hydraulic pressure applied to the secondary pulley. The transmission valve body assembly is provided with a dedicated hydraulic pressure circuit for belt clamping pressure control. This circuit optimally controls the hydraulic pressure applied to the secondary pulley, thus achieving superior torque transmission performance.



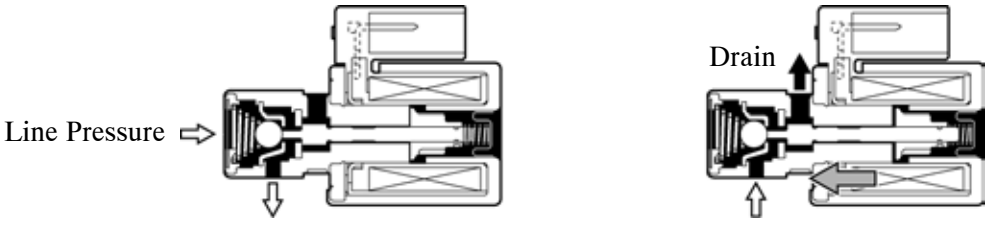
3. Pulley Ratio Control Circuit

The pulley ratio control is effected by controlling the inflow and outflow of the CVT fluid to and from the primary pulley. Separate hydraulic circuits are provided for acceleration (fluid inflow) and deceleration (fluid outflow) in order to achieve fine-tuned control and a high level of reliability.



4. Shift Solenoid Valves DS1, DS2, DSU and SL

- Shift solenoid valves DS1, DS2, DSU and SL use a 3-way solenoid valve.
- Shift solenoid valve DS1 controls acceleration by increasing the fluid flow volume to the primary pulley.
- Shift solenoid valve DS2 controls deceleration by increasing the fluid flow volume from the primary pulley.
- Shift solenoid valve DSU is used for the lock-up clutch pressure control.
- Shift solenoid valve SL switches the control of the shift solenoid valve SLS.

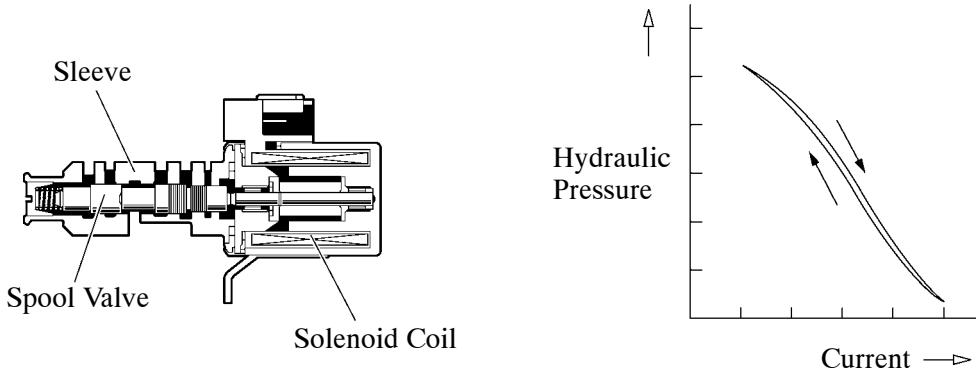


Shift Solenoid Valve DS1 On **Shift Solenoid Valve DS1 Off**

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5. Shift Solenoid Valve SLS

- Shift solenoid valve SLS uses a linear solenoid valve.
- Shift solenoid valve SLS controls the hydraulic pressure applied to the secondary pulley in order to control the belt clamping pressure necessary for transmitting torque.
- The action of the shift solenoid valve SL controls the line pressure during forward clutch engagement.



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