

## CVT System Description - Hydraulic Controls

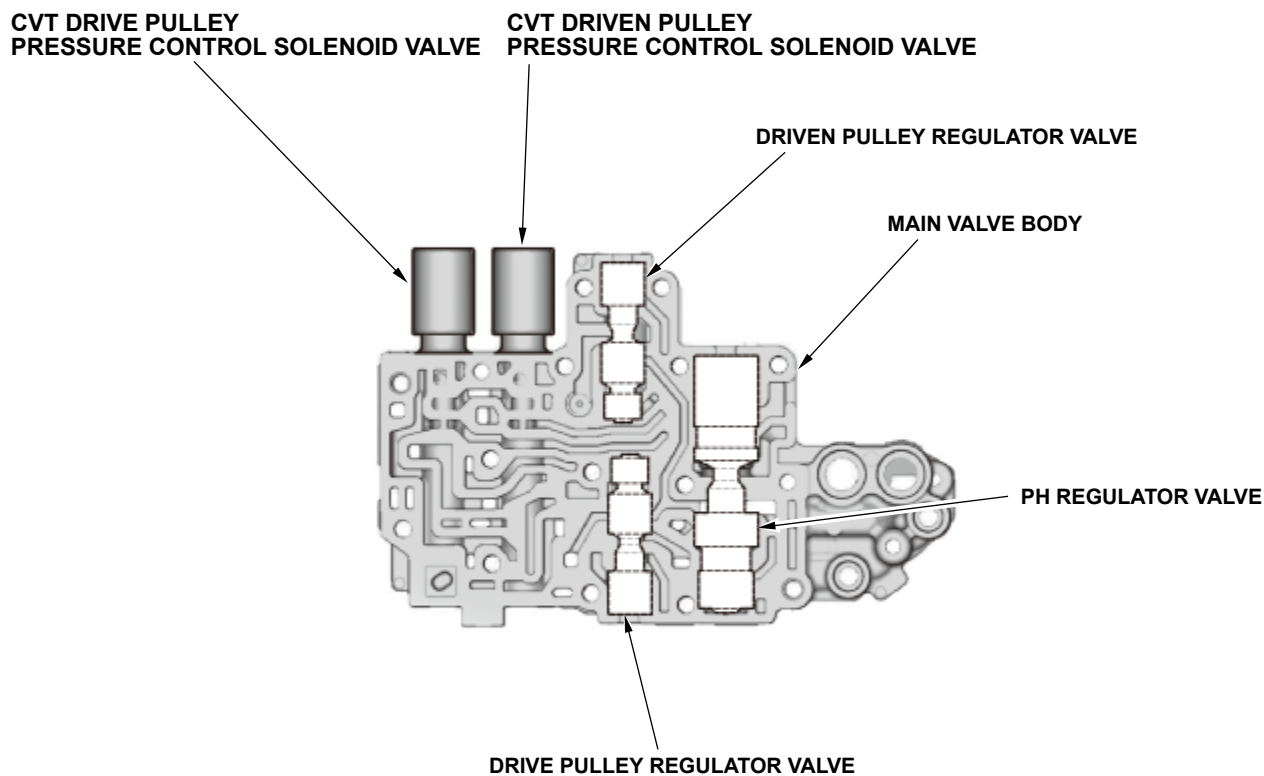
### Hydraulic Controls

The hydraulic control system is controlled by the transmission fluid pump, the valves, and the solenoid valves. The transmission fluid pump is driven by the engine turns. The transmission fluid pump drive sprocket is connected to the stator shaft, turns as the engine turns, and drives the transmission fluid pump driven sprocket by the transmission fluid pump drive chain. The transmission fluid pump supplies hydraulic pressure to the hydraulic circuit. Fluid from the transmission fluid pump passes through the PH regulator valve to the various control valves, the drive/driven pulleys, the forward clutch, and the reverse brake.

The valve body assembly includes the main valve body, the secondary valve body, and the clutch reducing valve body. This valve body assembly is installed on the transmission housing in the transmission, and it must not be disassembled. The manual valve body is installed on the stator shaft flange.

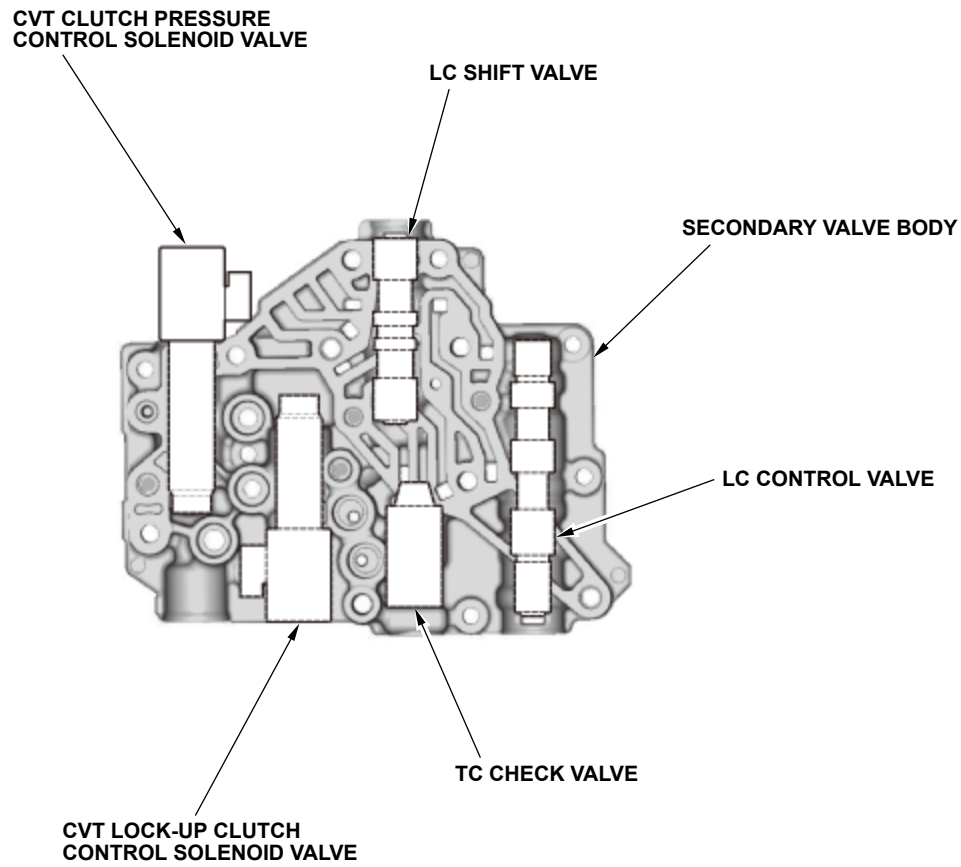
### Main Valve Body

The main solenoid valve body contains the CVT drive pulley control solenoid valve, CVT driven pulley control solenoid valve, the PH regulator valve, the drive pulley regulator valve, and the driven pulley regulator valve.



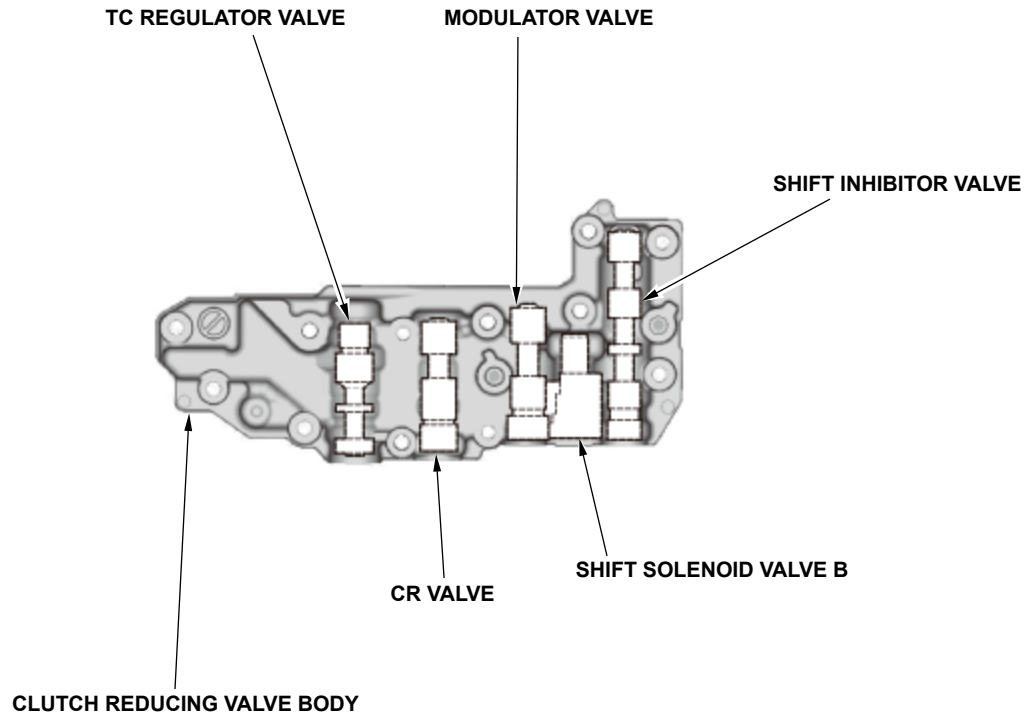
### Secondary Valve Body

The secondary valve body contains the CVT clutch pressure control solenoid valve, the CVT lock-up clutch control solenoid valve, the TC check valve, the LC shift valve, and the LC control valve.



#### Clutch Reducing Valve Body

The clutch reducing valve body contains shift solenoid valve B, the modulator valve, the shift inhibitor valve, the CR valve, and the TC regulator valve.



### Manual Valve Body

The manual valve body contains the manual valve. The manual valve body is bolted on the stator shaft flange in the transmission.

