

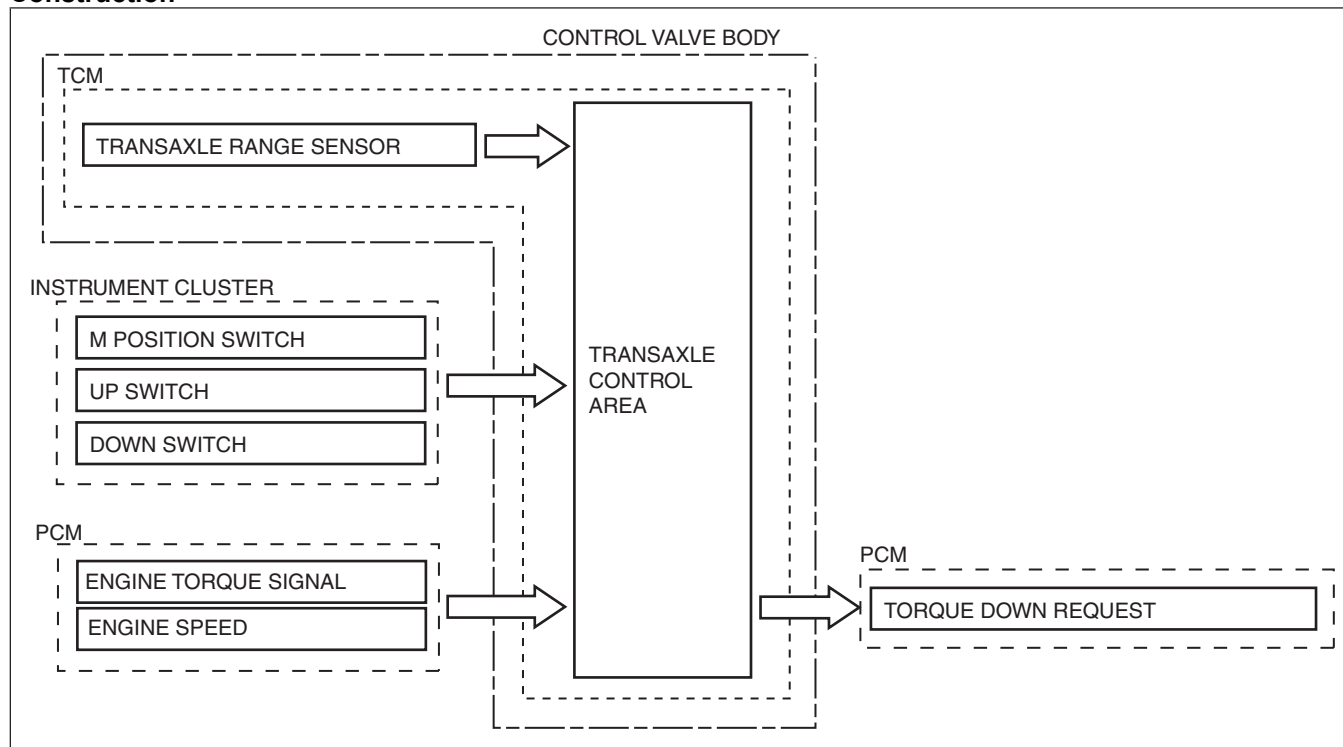
ENGINE-TRANSAXLE INTEGRATION CONTROL [FW6A-EL, FW6AX-EL]

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Outline

- The TCM controls engine output torque and reduces transaxle output shaft torque fluctuation during auto shifting, and reduces shock occurring from the vehicle during shifting.

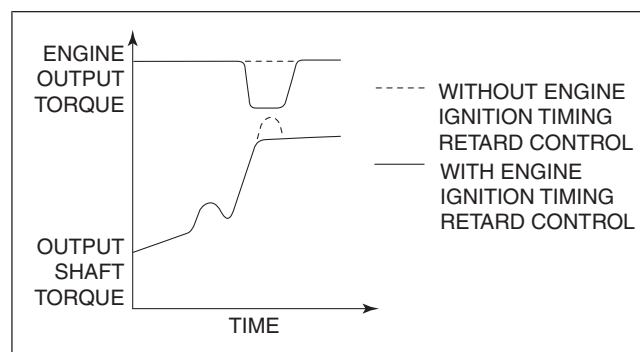
Construction



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Operation

- During auto shifting, the TCM sends the torque reduction request signal using the CAN system and temporarily reduces the engine output torque by the engine ignition timing retard control. As a result, transaxle output shaft torque fluctuation is reduced during auto shifting by smooth engagement of the clutch.
- In addition, the TCM receives the engine output torque from the PCM via the CAN signal to determine the clutch engagement pressure according to the engine output torque. As a result, the clutch hydraulic control setting accuracy is increased and smooth shift performance is achieved.



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