

Animation Worksheet: Electronic Hydraulic Shift Control

Name: _____ **Date:** _____

1. The abbreviation TCM stands for the _____ Module, which acts as the main computer processing input and output data.
2. The specific combination of _____ and clutches applied, as determined by the shift solenoids, defines the gear ratio and selected gear.
3. When the engine starts, the transmission pump draws fluid from the sump through a(n) _____ to remove contaminants.
4. The _____ regulator maintains optimal system pressure to prevent damage to internal transmission components.
5. Line pressure is modulated based on TCM signals by the _____ Control (EPC) solenoid.
6. The _____ valve is mechanically linked to the gear selector and directs fluid to specific circuits based on driver selection.
7. When shifting into Drive (1st gear), fluid passes through the manual valve to apply the _____ band.
8. To initiate a shift into second gear, the TCM commands a shift by _____ (energizing) shift solenoid 2 (SS2).
9. When the torque converter clutch system is activated, the _____ solenoid directs fluid through the valve to lock the torque converter.
10. Grounding shift solenoid 1 (SS1)—which is a normally _____ solenoid—closes it, allowing the transmission to release the B1 band and shift into higher gears like fifth.