

Animation Worksheet: EPC Solenoid

Name: _____ Date: _____

1. The Electronic Pressure Control solenoid is also known as the _____ solenoid.
2. In an automatic transmission, the EPC solenoid plays a crucial role in regulating _____ pressure.
3. The EPC solenoid operates under the direct control of the Transmission Control Module, which is abbreviated as the _____.
4. To manage the hydraulic line pressure, the TCM adjusts the _____ flow sent to the solenoid.
5. When the EPC solenoid is not being commanded on, the internal valve remains _____.
6. When the solenoid is off and the valve is closed, hydraulic line pressure is at its _____.
7. Having maximum line pressure ensures that there is sufficient force to engage clutch packs or _____.
8. As current is applied to the EPC solenoid, the valve opens, allowing hydraulic fluid to flow and causing the line pressure to _____.
9. As the electrical current increases, the valve opens further, which allows for finer control over shift timing and _____.
10. The TCM continuously monitors inputs from various sensors, including throttle position, engine speed, and _____ speed, to determine the optimal line pressure.