

Animation Worksheet: Throttle Valve

Name: _____ **Date:** _____

1. The transmission throttle valve system is a hydraulic control mechanism used in older automatic transmissions to modulate transmission line pressure based on _____.
2. This system helps control three main operations: shift timing, line pressure, and the detent or _____ function.
3. When a driver presses down on the accelerator pedal, a cable or mechanical linkage moves the throttle blade inside the _____, which increases air intake.
4. The TV cable or rod linkage directly connects the engine's throttle body to the transmission throttle valve _____.
5. The TV plunger is connected to an internal valve that regulates TV pressure, which ultimately modulates line pressure and shift _____.
6. To control movement and return positions, the TV valve inside the valve body is _____ loaded.
7. When the vehicle is at _____, the throttle is closed, the accelerator is not pressed, and the TV cable remains completely slack.
8. When there is low or no TV pressure at a closed throttle position, the transmission assumes a _____ engine load.
9. In the off-idle position, line pressure begins to rise, resulting in firmer shifts and earlier _____.
10. At _____ throttle, the accelerator pedal is completely depressed, generating maximum TV pressure and creating the hardest, quickest shifts.