

Animation Worksheet: Governor Operation

Name: _____ Date: _____

1. Electronic clutch control in automatic transmissions uses duty cycle solenoids to manage the application of clutches, enabling smooth gear shifts and precise _____.
2. Clutches, which can be of a friction or multiplate design, are used to engage and disengage gears or _____.
3. The governor contains weights that are mounted on a _____.
4. The governor weights are influenced by _____ force as the drive gear spins faster.
5. The faster the vehicle goes, the greater the force acting on the _____.
6. The centrifugal force causes the governor weights to move _____.
7. At low speeds, the weights remain close to the center; as speed increases, the weights _____.
8. As the weights move outward, they compress a _____ or alter a valve, which affects the flow of transmission fluid.
9. The movement of the governor weights increases the _____, which is the hydraulic pressure used to control the operation of the transmission.
10. The increased governor pressure is directed to _____ within the transmission, which control the application of clutches and bands.