

Animation Worksheet: TCC Operation

Name: _____ **Date:** _____

1. TCC stands for Torque Converter Clutch, and the animation outlines its internal movement during both released and _____ states.
2. Inside the torque converter housing, the critical components labeled include the impeller, the stator, the turbine, and the _____ disc.
3. To direct the flow of transmission fluid, the system relies on a specialized valve called the _____ Apply Valve.
4. When the TCC Solenoid is turned _____, the system is in a "Released" state and begins a process known as the TCC Fluid Charge.
5. During the fluid charge, fluid enters from the converter feed and travels up through the center of the turbine before exiting toward the _____.
6. When the clutch is released, the fluid pushes against the clutch disc to keep it _____ from engaging with the torque converter cover.
7. When the clutch moves into the "Applied" state, the TCC Solenoid turns _____.
8. As the clutch transitions to applied, the internal fluid flow completely _____ its direction.
9. During this shift in direction, the control valve _____ (moves), redirecting line pressure directly behind the clutch disc.
10. The exact behavior of the system depends on the vehicle's specific design, such as whether it uses a normally open or normally _____ solenoid.