

Animation Worksheet: Transmission Fluid Temperature Sensor

Name: _____ Date: _____

1. The transmission fluid temperature sensor is used by electronic control units for different _____ functions.
2. The controller can use fluid temperature sensor data to modify _____ points.
3. The sensor helps control the torque converter clutch, which can be unlocked or locked based on the _____ fluid temperature.
4. Most transmission fluid temperature sensors have a _____ temperature coefficient.
5. As the transmission fluid heats up, the sensor's resistance _____.
6. The powertrain control module applies a _____ reference voltage to the transmission fluid temperature sensor.
7. The control module monitors the signal circuit to determine fluid _____.
8. When the transmission fluid temperature is cold (low), a voltmeter monitoring the signal circuit will indicate a _____ signal voltage.
9. In the summary, it states that signal voltage _____ as sensor resistance decreases.
10. The three summary functions listed for this sensor are shift point adjustments, torque converter control, and over temperature _____.