

Automotive Technology 7<sup>th</sup> Edition  
Chapter 77: Electronic Throttle Control System  
Short Answer Quiz

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. What are the consequences of a low battery voltage being detected in an ETC system?

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2. Describe the calibration process for a new APP sensor.

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3. Explain the significance of the two different signals produced by the APP sensor.

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4. What are the typical conditions that must be met for a General Motors vehicle's throttle body relearn procedure to be initiated?

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5. What are the potential symptoms that may necessitate a throttle body cleaning in an ETC system?

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6. Why is it important to ensure the ignition key is out of the vehicle and the ready light is off when cleaning the throttle body on a Toyota/Lexus hybrid electric vehicle?

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7. How does the ETC system compensate for vacuum leaks at the intake manifold?

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8. What is the role of the H-bridge circuit in the operation of the ETC unit?

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9. What are the typical steps included in vehicle service information for diagnosing an ETC system without stored error codes?

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10. What is the function of the two TP sensors used on the throttle body of an electronic throttle body assembly?

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