Automotive Technology 7th Edition
Chapter 57: Body Electrical Accessories
Short Answer Quiz

Name: _____ Date: _____

1. Describe the principle behind the operation of the thermoelectric device (TED) used in heated and cooled seats. How does the Peltier effect play a role in this?

_____
_____
_____
_____

2. Explain the process and precautions associated with diagnosing a fault in the remote engine start system. Why is it crucial to ensure the vehicle is not located inside a garage during this process?

_____
_____
_____
_____

3. How do rain-sense wipers function, and what technology do they utilize to detect the presence of rain on the windshield?

_____
_____
_____
_____

4. Detail the steps involved in accessing and determining module communications for body electrical systems diagnosis.

_____
_____
_____
_____

5. Describe the process of software transfers, updates, or flash reprogramming in the context of electronic modules in vehicles. Why might this be necessary?

_____
_____
_____
_____

Automotive Technology 7th Edition
Chapter 57: Body Electrical Accessories
Short Answer Quiz

Name: _____ Date: _____

6. How do over-the-air (OTA) module updates work, and which vehicle manufacturer was the first to use this technology?

_____
_____
_____
_____

7. Explain the significance of the temperature sensor in heated seats. How does it help in regulating the temperature of the seat?

_____
_____
_____
_____

8. What is the purpose of the fan in the context of heated and cooled seats? How does it assist in the operation of the thermoelectric device?

_____
_____
_____
_____

9. Describe the mechanism behind the operation of power seats. What should drivers be cautious about when using power seats?

_____
_____
_____
_____

10. Explain the concept of a "rolling code" in the context of body electrical accessories. Why is it important for security?

_____
_____
_____
_____