

Automotive Technology 7<sup>th</sup> Edition  
Chapter 24  
Multiple Choice Quiz A

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

1. Which of the following best describes a thermostat that is "skewed"?
  - A. A thermostat that is stuck in the open position.
  - B. A thermostat that operates outside the correct temperature range.
  - C. A thermostat that is stuck in the closed position.
  - D. A thermostat that moves intermittently.
  
2. What diagnostic trouble code (DTC) is set when the engine coolant temperature does not reach the specified temperature due to a thermostat issue?
  - A. P0102
  - B. P0113
  - C. P0128
  - D. P0155
  
3. Why is the jiggle valve in a thermostat oriented towards the top?
  - A. To regulate the flow of coolant.
  - B. To allow air to escape.
  - C. To improve the efficiency of the thermostat.
  - D. To reduce the risk of thermostat damage.
  
4. Before replacing a thermostat, what should technicians check?
  - A. The material of the thermostat.
  - B. The shape of the thermostat.
  - C. The cooling system for other faults.
  - D. The brand of the thermostat.
  
5. Which of the following is NOT a failure pattern of a thermostat?
  - A. Stuck open.
  - B. Stuck closed
  - C. Skewed
  - D. Rotated
  
6. What does the diagnostic trouble code P0128 indicate?
  - A. Coolant temperature below thermostat regulating temperature.
  - B. Malfunction in the ignition system.
  - C. Airflow sensor issue.
  - D. Oxygen sensor malfunction.
  
7. In the context of hybrid engines, what is an EREV?
  - A. Extended Range Electric Vehicle.
  - B. Electrically Regulated Engine Vehicle.
  - C. Engine Regulated Electric Vehicle.
  - D. Extended Regulated Engine Vehicle.

8. Why is it essential to check service information before performing any in-vehicle engine service?

- A. To understand the brand of the engine.
- B. To determine the color of the engine components.
- C. To get specific procedures and precautions.
- D. To check the age of the engine.

9. What can cause a thermostat to become skewed?

- A. Prolonged exposure to high temperatures.
- B. Incorrect installation.
- C. Use of low-quality coolant.
- D. All of the above.

10. What does the term "Fretting" refer to in the context of this chapter?

- A. A method of cleaning engine components.
- B. A type of corrosion caused by slight movement between two contacting surfaces.
- C. A technique used to improve engine efficiency.
- D. A process of coating engine parts.

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Answer Key

1. B

2. C

3. B

4. C

5. D

6. A

7. A

8. C

9. D

10. B