

Automotive Technology 7th Edition
Chapter 49: Starting System Parts and Operation
Short Answer Quiz

Name:

Date:

1. Describe the principle of magnetic interaction used in all starter motors and its significance in the cranking system.

2. Explain the role of field coils in the operation of a starter motor and how they contribute to the creation of a magnetic field inside the starter.

3. Describe the construction of the armature found inside the field coils of a starter motor. How does its design contribute to the starter's functionality?

4. Differentiate between a starter solenoid and a relay in the context of the cranking circuit.

5. What are the potential symptoms of a defective starter drive?

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6. Illustrate the construction of a shunt-type electric motor and its significance in the cranking system.

7. Explain the concept of remote vehicle start (RVS) and its advantages for the driver.

8. Describe the characteristics and advantages of a permanently engaged starter in comparison to other starter types.

9. Discuss the concept of counter-electromotive force in the context of a series starter motor and its implications on the starter's torque.

10. How do computer-controlled starting systems integrate with push-button start mechanisms in modern vehicles?