

Automotive Technology 7th Edition
Chapter 50
Multiple Choice Quiz A

Name: _____ Date: _____

1. What is removed from the field frame during the starter overhaul process?
 - A. The armature assembly
 - B. The planetary gears
 - C. The thrust ball
 - D. The planetary ring gear

2. What is the same length as the overall length of a gear-reduction armature?
 - A. Planetary ring gear
 - B. Thrust ball
 - C. Direct-drive starter armature
 - D. Planetary gears

3. What is shown inside one of the planetary gears?
 - A. Small needle bearings
 - B. Thrust balls
 - C. Pinion gears
 - D. Armature assembly

4. What is the first step for removing a starter?
 - A. Hoist the vehicle
 - B. Disconnect the battery positive cable
 - C. Disconnect the battery negative cable
 - D. Remove the battery cable from the starter

5. What can cause solenoid clicking?
 - A. A fully charged battery
 - B. Clean battery cables
 - C. A discharged battery
 - D. A functional starter motor

6. Which is NOT a cause for slow cranking by the starter?
 - A. A low or discharged battery
 - B. An open neutral safety switch
 - C. Corroded or dirty battery cables
 - D. Engine mechanical problems

7. When should bench testing of a starter be done?
 - A. After reassembling an old starter
 - B. Before installing a new starter
 - C. After removing the old starter
 - D. Both a and b

8. What symptom indicates an engine mechanical fault that can cause a slow-crank or no-crank condition?

- A. Excessive current draw
- B. Low current draw and rapidly spinning starter motor
- C. Starter solenoid clicking
- D. Any of the above

9. What was the fault with the clutch pedal position (CPP) sensor in the "No-Crank Camaro" case study?

- A. It was externally damaged
- B. It was internally shorted
- C. It was disconnected
- D. It was corroded

10. What indicates a fault with the cranking circuit?

- A. Excessive current draw
- B. Shorted starter motor
- C. Tight or seized engine
- D. All of the above

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Answer Key

1. A

2. C

3. A

4. C

5. C

6. B

7. D

8. D

9. B

10. D