

Automotive Technology 7th Edition
Chapter 52: Charging System Diagnosis and Service
Matching Quiz

Name: _____ Date: _____

Matching: Choose the item in column 2 that best matches each item in column 1.

- | | | |
|--|--|-----------|
| 1. Battery State for Charging System Test | A. Disconnect the negative battery cable and remove the drive belt. | 1. _____ |
| 2. Easiest Charging System Voltage Check | B. Measures the amount of AC current flowing through the diodes. | 2. _____ |
| 3. AC Ripple Voltage Test Purpose | C. Battery must be at least 75% charged. | 3. _____ |
| 4. Alternator Output Test Purpose | D. Dead battery or charging system warning light. | 4. _____ |
| 5. Minimum Alternator Output Requirement | E. Should only be performed when current is flowing through the circuit. | 5. _____ |
| 6. Symptom of OAP Failure | F. Generally 70% of its rated output. | 6. _____ |
| 7. Charging Circuit Voltage Drop Test Condition | G. Verify it's the correct part, check drive belt, tighten fasteners to specs. | 7. _____ |
| 8. Initial Step for Alternator Removal | H. Charging voltage test. | 8. _____ |
| 9. Key Steps for Replacement Alternator Installation | I. Can cause drive belt looseness and noise. | 9. _____ |
| 10. Common No-Charge Condition Symptom | J. Determines the maximum output of the alternator. | 10. _____ |

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Answer Key

Answer Key:

1. C
2. H
3. B
4. J
5. F
6. I
7. E
8. A
9. G
10. D