Charging System Diagnosis And Service
Chapter 55

ACROSS
1. Battery voltage measurements can be read through the _______ _______.
7. An __________ ______ ____ measures the current of the alternator.
11. If there is a high _______ ___ in the alternator connections or in the wiring itself, the battery will not be properly charged.
13. ______ _______ _____ is needed to determine if the belt is at the specified tension.
14. When _________, the slip rings on the rotor should be smooth and round, within 0.002 in. of being perfectly round.

DOWN
2. The _______ _______ _______ is the easiest way to check the charging system voltage at the battery.
3. During the ___________, if the alternator smells like a dead rat, the stator windings have been overheated by trying to charge a discharged or defective battery.
4. Before ______ _______ can begin, the stator must be disconnected from the diodes.
5. ______ _______ is a procedure used on older noncomputerized vehicles for bypassing the voltage regulator that could be used to determine if the alternator is capable of producing its designed output.
6. When disassembling an alternator, be sure to check the _______ _______ because the rear housing can be installed in any one of four positions.
7. Start the engine and operate it at 2000 RPM is Step 2 when testing for _______ _______.
8. Most vehicles that use a computer-controlled charging system can be diagnosed using a _______ _______.
9. A __________ is three diodes connected together.
10. A ______ _______ _______ uses plates of carbon to create an electrical load.
12. During the remanufacturing process, old alternators called _____ are totally disassembled and cleaned.