

DIAGNOSIS AND TESTING (Continued)

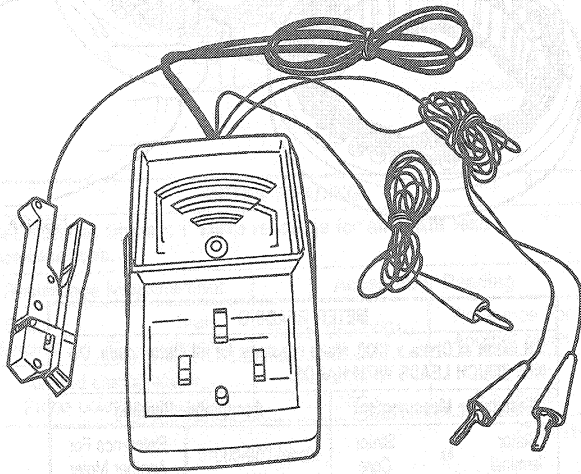
On-Bench Tests

Tools Required:

- Rotunda Dwell-Tach-Volts Ohms Tester 059-00010

If system diagnosis has isolated a concern in the integral generator/regulator assembly, remove it from vehicle for bench testing and service or replace. Refer to Removal and Installation.

The following tests are performed with an analog (needle-type) ohmmeter. Test values shown are referenced to Rotunda Dwell-Tach-Volts Ohms Tester 059-00010 or equivalent. **THESE VALUES MAY BE DIFFERENT FOR OTHER OHMMETERS.** If you do not have Rotunda Dwell-Tach-Volts Ohms Tester 059-00010 or equivalent, use known good parts to establish reference values for your own meter. These values can be written into the spaces provided in the meter reading charts for future reference.



DWELL-TACH-VOLTS
OHMS TESTER 059-00010

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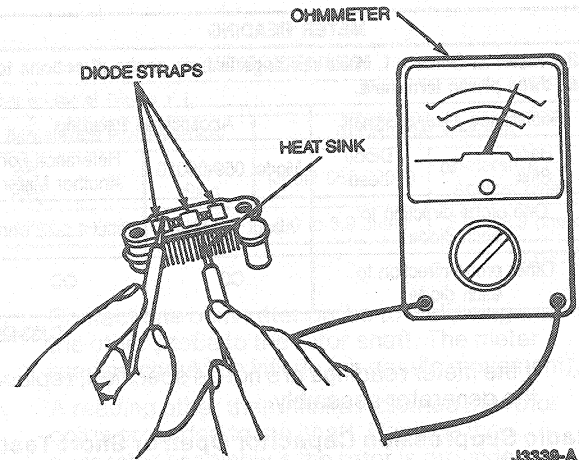
Rectifier Assembly Test

Remove the rectifier assembly from the generator. Place the ohmmeter, Rotunda Dwell-Tach-Volts Ohms Tester 059-00010 or equivalent, Multiply-By setting at 1 and calibrate the meter as directed.

CAUTION: Digital meters cannot be used to perform these tests.

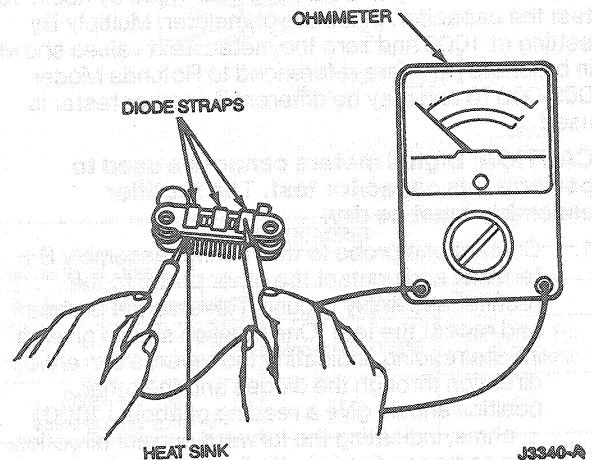
Rectifier

1. Positive Diode (non-grounded)—Check for continuity between the positive diode lead and the heat sink at the positive side, using an ohmmeter. There should be continuity only in the direction from the diode lead to the heat sink.



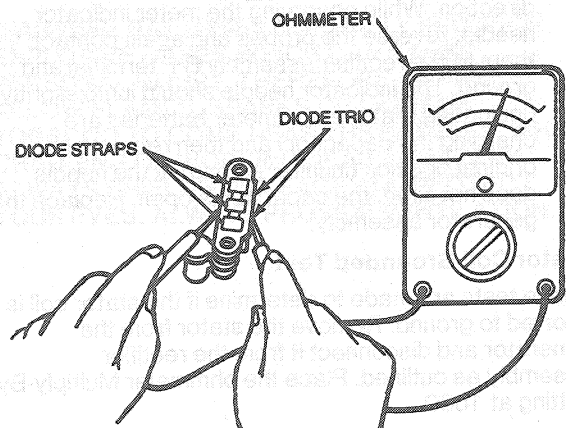
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2. Negative Diode (grounded)—Check for continuity between the negative diode lead and the heat sink at the negative side, using an ohmmeter. There should be continuity only in the direction from the heat sink to the negative diode.



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3. Diode Trio—Check for continuity using an ohmmeter. There should be continuity in one direction only.



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