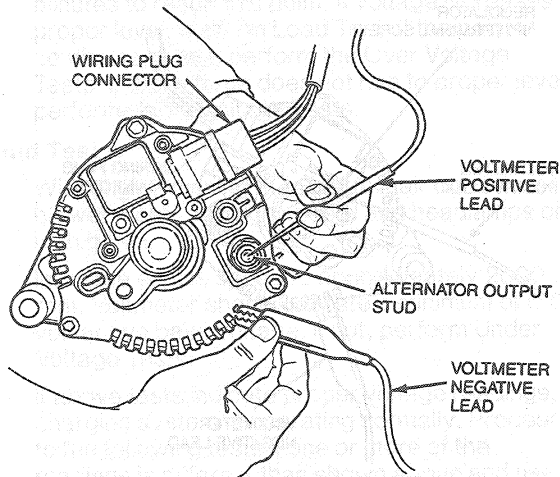


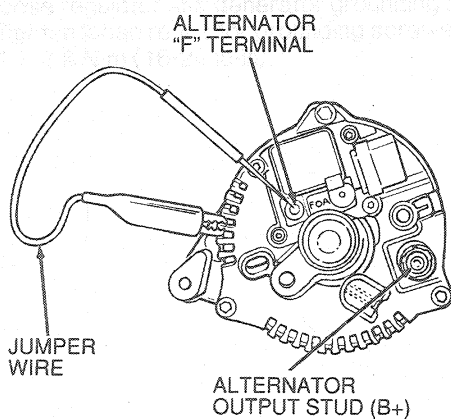
DIAGNOSIS AND TESTING (Continued)

5. If 2 volts or less is indicated, perform Load Test, but connect voltmeter positive to generator output stud. If voltage rises more than 0.5 volt above base voltage, service wiring from generator to load distribution point. Repeat Load Test, measuring voltage at battery cable clamps after servicing.



J3432-A

6. If voltage does not rise above 0.5 volt above base voltage, perform Load Test and measure voltage drop from the battery to the 'A' terminal of the regulator (with regulator connected). If the voltage drop exceeds 0.5 volt, service wiring from 'A' terminal to load distribution point.
7. If voltage drop does not exceed 0.5 volt, connect a jumper wire from the generator rear housing to regulator 'F' terminal. Repeat Load Test with voltmeter positive lead connected to the generator output stud. If voltage rises more than 0.5 volt, replace regulator.

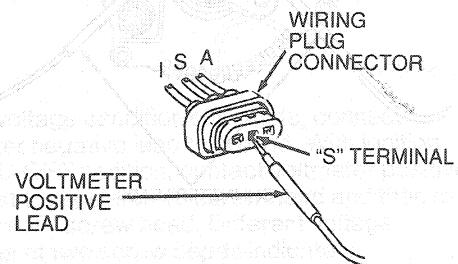


J3433-B

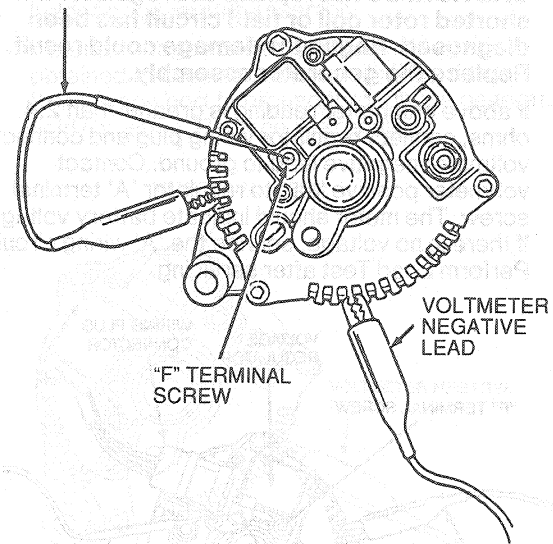
8. If voltage does not rise more than 0.5 volt, replace generator assembly.

Regulator S and/or I Circuit Test

1. Disconnect the wiring plug from the regulator. Connect a jumper wire from the regulator A terminal to the wiring plug A lead. Add a jumper wire from the regulator F screw to the generator rear housing.
2. With the engine idling and the voltmeter negative lead connected to ground, connect the voltmeter positive lead to the S terminal and then to the A terminal of the regulator wiring plug. The voltage at the S circuit should read approximately one-half that of the A circuit. If voltage readings are normal, remove the jumper wire. Replace the regulator and connect the wiring plug to the regulator. Repeat the Load Test after servicing.



JUMPER WIRE



J3434-B

3. If no voltage is present, remove the jumper wire and service the faulty wiring circuit or generator.
4. Connect the voltmeter positive lead to the positive battery terminal. Connect the wiring plug to the regulator. Repeat Load Test.

Fuse Link Continuity

1. Ensure first that battery is OK, then turn on headlamps or any accessory. If headlamps or an accessory do not operate, fuse link is probably burned out.