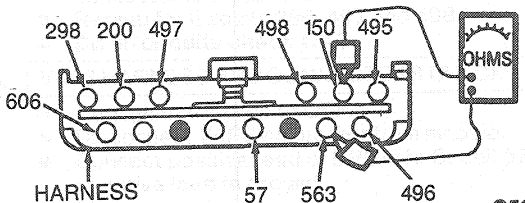
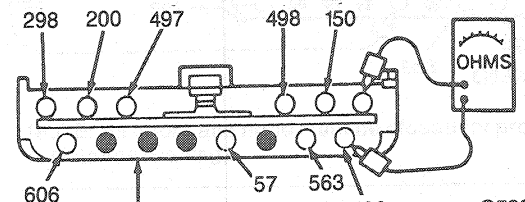
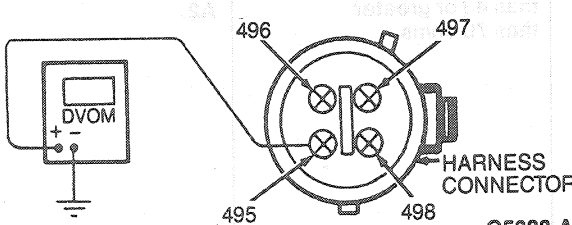


DIAGNOSIS AND TESTING (Continued)

PINPOINT TEST A
VARIABLE ASSIST POWER STEERING ELECTRICAL COMPONENT DIAGNOSIS (Continued)

| TEST STEP | RESULT | ACTION TO TAKE |
|--|---|---|
| <p>A6 SPEED SENSOR CIRCUIT CHECK</p> <ul style="list-style-type: none"> ● Disconnect VAPS connector from module. ● Connect DVOM across Circuits 150 and 563. ● Measure resistance.  <p style="text-align: right;">G5321-A</p> | <p>Resistance is between 150-225 ohms</p> <p>Resistance is less than 150 or greater than 225 ohms</p> | <p>REPLACE VAPS module. GO to A4.</p> <p>SERVICE harness. GO to A4.</p> |
| <p>A7 ACTUATOR (ELECTRICAL) CHECK</p> <ul style="list-style-type: none"> ● Turn ignition switch to OFF. ● Disconnect VAPS harness connector from module. ● Connect DVOM to Circuits 495 and 496. ● Measure resistance.  <p style="text-align: right;">G5322-A</p> <ul style="list-style-type: none"> ● Connect DVOM to Circuits 497 and 498. ● Measure resistance. | <p>Resistance between 43 and 70 ohms</p> <p>Resistance less than 43 or greater than 70 ohms</p> | <p>GO to A8.</p> <p>GO to A10.</p> |
| <p>A8 HARNESS VOLTAGE AT ACTUATOR CONNECTOR</p> <ul style="list-style-type: none"> ● Turn ignition switch to OFF. ● Verify that VAPS connector is connected to VAPS module. ● Disconnect actuator connector from VAPS harness connector. ● Turn ignition switch to RUN. ● Wait five seconds. ● Measure DC voltage between Circuit 495 and ground. Then measure voltage between Circuit 496 and ground. ● One of these two circuits should be greater than 10 volts and the other less than 2 volts. ● Repeat the two steps above for Circuit 497 and 498. ● Do voltage readings check OK?  <p style="text-align: right;">G5323-A</p> | <p>Yes</p> <p>No</p> | <p>GO to A9.</p> <p>REPLACE VAPS module. GO to A2.</p> |