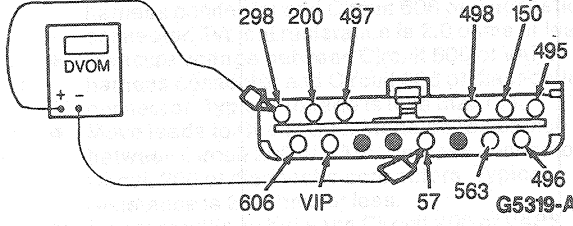
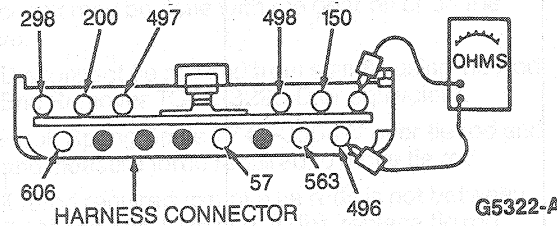


DIAGNOSIS AND TESTING (Continued)

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

TEST STEP	RESULT	ACTION TO TAKE																																												
<p>A14 VAPS HARNESS AND CONNECTORS CHECK</p> <ul style="list-style-type: none"> ● Turn ignition switch to OFF. ● Measure resistance between Circuit 57 ground and all other indicated circuits. ● Connect DVOM as shown.  <ul style="list-style-type: none"> ● Measure resistance of each circuit, by moving positive lead. ● Is resistance near given values? <table border="1" data-bbox="167 817 845 1232"> <thead> <tr> <th>Row</th> <th>Circuit</th> <th>Function</th> <th>Typical Value (ohm)</th> </tr> </thead> <tbody> <tr><td>Top</td><td>298</td><td>Power</td><td>3.6</td></tr> <tr><td>Top</td><td>200</td><td>Diagnostic</td><td>Open</td></tr> <tr><td>Top</td><td>497</td><td>Actuator</td><td>Open</td></tr> <tr><td>Top</td><td>498</td><td>Actuator</td><td>Open</td></tr> <tr><td>Top</td><td>150</td><td>Speed Sensor</td><td>195</td></tr> <tr><td>Top</td><td>495</td><td>Actuator</td><td>Open</td></tr> <tr><td>Bottom</td><td>606</td><td>Diagnostic</td><td>Open</td></tr> <tr><td>Bottom</td><td>563</td><td>Speed Sensor</td><td>0.6</td></tr> <tr><td>Bottom</td><td>496</td><td>Actuator</td><td>Open</td></tr> <tr><td>Bottom</td><td>—</td><td>VIP</td><td>Open</td></tr> </tbody> </table>	Row	Circuit	Function	Typical Value (ohm)	Top	298	Power	3.6	Top	200	Diagnostic	Open	Top	497	Actuator	Open	Top	498	Actuator	Open	Top	150	Speed Sensor	195	Top	495	Actuator	Open	Bottom	606	Diagnostic	Open	Bottom	563	Speed Sensor	0.6	Bottom	496	Actuator	Open	Bottom	—	VIP	Open	<p>Yes</p> <p>No</p>	<p>GO to A15.</p> <p>SERVICE harness. GO to A2.</p>
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<p>A15 ACTUATOR (ELECTRICAL) CHECK</p> <ul style="list-style-type: none"> ● Connect VOM to Circuit 495 and 496. ● Measure resistance.  <ul style="list-style-type: none"> ● Connect VOM to Circuit 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>REPLACE VAPS module. GO to A2.</p> <p>SERVICE harness or connectors. GO to A2.</p>																																												