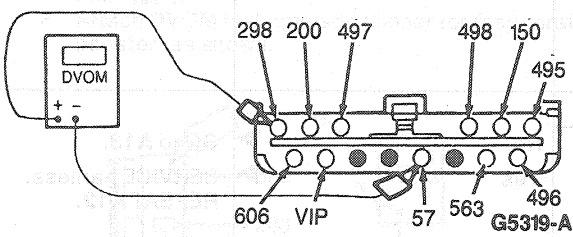


DIAGNOSIS AND TESTING (Continued)

(Continued)

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

| TEST STEP | | RESULT | ACTION TO TAKE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--------------|----------------|----------|------------|-----|-----|-------|---------|-----|-----|------------|-----|-----|-----|----------|-----|-----|-----|----------|-----|-----|-----|--------------|---|-----|-----|----------|-----|--------|-----|------------|-----|--------|----|--------|-----|--------|-----|--------------|---|--------|-----|----------|-----|--------|---|-----|-----|----------------------|---|
| A 13 | VAPS HARNESS AND CONNECTORS CHECK | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <ul style="list-style-type: none"> ● Disconnect VAPS connector from module. ● Connect DVOM as shown.  <ul style="list-style-type: none"> ● Turn ignition switch to ON. ● Measure voltage at each circuit (Circuit 57 to ground). ● Are voltage readings near given values? <table border="1" data-bbox="108 795 785 1243"> <thead> <tr> <th>Row</th> <th>Circuit</th> <th>Function</th> <th>Volts (DC)</th> </tr> </thead> <tbody> <tr> <td>Top</td> <td>298</td> <td>Power</td> <td>Battery</td> </tr> <tr> <td>Top</td> <td>200</td> <td>Diagnostic</td> <td><.1</td> </tr> <tr> <td>Top</td> <td>497</td> <td>Actuator</td> <td><.1</td> </tr> <tr> <td>Top</td> <td>498</td> <td>Actuator</td> <td><.1</td> </tr> <tr> <td>Top</td> <td>150</td> <td>Speed Sensor</td> <td>—</td> </tr> <tr> <td>Top</td> <td>495</td> <td>Actuator</td> <td><.1</td> </tr> <tr> <td>Bottom</td> <td>606</td> <td>Diagnostic</td> <td><.1</td> </tr> <tr> <td>Bottom</td> <td>57</td> <td>Ground</td> <td><.1</td> </tr> <tr> <td>Bottom</td> <td>563</td> <td>Speed Sensor</td> <td>—</td> </tr> <tr> <td>Bottom</td> <td>496</td> <td>Actuator</td> <td><.1</td> </tr> <tr> <td>Bottom</td> <td>—</td> <td>VIP</td> <td><.1</td> </tr> </tbody> </table> | | Row | Circuit | Function | Volts (DC) | Top | 298 | Power | Battery | Top | 200 | Diagnostic | <.1 | Top | 497 | Actuator | <.1 | Top | 498 | Actuator | <.1 | Top | 150 | Speed Sensor | — | Top | 495 | Actuator | <.1 | Bottom | 606 | Diagnostic | <.1 | Bottom | 57 | Ground | <.1 | Bottom | 563 | Speed Sensor | — | Bottom | 496 | Actuator | <.1 | Bottom | — | VIP | <.1 | <p>Yes</p> <p>No</p> | <p>GO to A14.</p> <p>SERVICE harness. REPEAT A13.</p> |
| Row | Circuit | Function | Volts (DC) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Top | 298 | Power | Battery | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Top | 200 | Diagnostic | <.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Top | 497 | Actuator | <.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Top | 498 | Actuator | <.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Top | 150 | Speed Sensor | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Top | 495 | Actuator | <.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bottom | 606 | Diagnostic | <.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bottom | 57 | Ground | <.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bottom | 563 | Speed Sensor | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bottom | 496 | Actuator | <.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bottom | — | VIP | <.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |