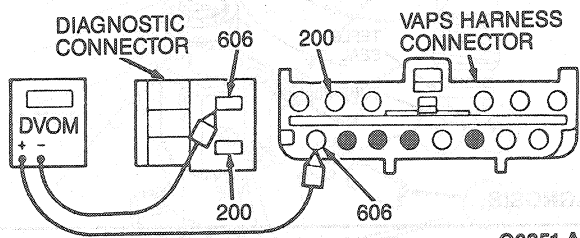


DIAGNOSIS AND TESTING (Continued)

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

TEST STEP	RESULT	ACTION TO TAKE
<b>A20 VAPS HARNESS AND CONNECTOR CHECK (DIAGNOSTIC CONNECTOR)</b>	Yes No	Go to A2. SERVICE harness. GO to A2.
<ul style="list-style-type: none"> <li>● Turn ignition switch to OFF.</li> <li>● Doors and hood must be closed for proper readings.</li> <li>● Disconnect VAPS harness connector from module.</li> <li>● Connect DVOM as shown.</li> <li>● Measure resistance between Circuit 606 of VAPS harness connector and Circuit 606 of diagnostic connector. Typical resistance is 2.0 ohms or less.</li> <li>● Measure voltage between Circuit 606 of VAPS harness connector and Circuit 606 of diagnostic connector. Typical voltage is less than 0.1.</li> <li>● Move leads to Circuit 200. Measure resistance between Circuit 200 of VAPS harness connector and Circuit 200 of diagnostic connectors. Typical resistance is 2.0 ohms or less.</li> <li>● Measure voltage between Circuit 200 of VAPS harness connector and Circuit 200 of diagnostic connector. Typical voltage is less than 0.1 volt.</li> <li>● Is resistance and voltage near given values?</li> </ul>  <p style="text-align: center;"><b>G6251-A</b></p>		

TG5305D

**Tie Rod Articulation Torque Check**

**Tools Required:**

- Hook Spring Scale T74P-3504-Y
- Tie Rod End Remover TOOL-3290-D

This check may be done with the gear on or off the vehicle.

1. Disconnect tie rod end from spindle using Tie Rod End Remover TOOL-3290-D or equivalent.
2. Hook Spring Scale T74P-3504-Y over tie rod end and measure force required to move tie rod.
3. If force required to move tie rods is not between 8.9N and 45N (2 lb and 10 lb), replace tie rod.

