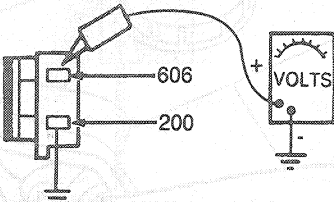


DIAGNOSIS AND TESTING (Continued)

(continued)

PINPOINT TEST A

VARIABLE ASSIST POWER STEERING ELECTRICAL COMPONENT DIAGNOSIS (Continued)

TEST STEP		RESULT	ACTION TO TAKE
A2	MODULE CHECK		
<ul style="list-style-type: none"> Turn ignition switch to OFF. Connect an analog voltmeter as in Step A1. Use jumper wire and ground Circuit 200.  <p style="text-align: center;">G5320-A</p> <ul style="list-style-type: none"> Start engine. Rotate steering wheel for approximately 90 seconds noting any changes in steering effort. The effort required to turn the steering wheel should vary between light and heavy in both directions. After approximately 90 seconds, voltmeter will show a sweep pattern four times between battery voltage and zero if module proveout is OK. Six or zero sweeps if a system component is malfunctioning. After a five second pause, the sweep pattern will be repeated. Remove Circuit 200 ground before proceeding to next test. 		<ul style="list-style-type: none"> Effort changes with 2 sweeps No effort change with 2 sweeps Effort change with 4 sweeps No effort change with 4 sweeps Effort change with 6 sweeps No effort change with 6 sweeps Effort change with 0 sweeps No effort change with 0 sweeps 	<ul style="list-style-type: none"> GO to A4. GO to A7. GO to A19. GO to A19. GO to A20. GO to A12. GO to A20. GO to A12.
A3	FUSE CHECK		
<ul style="list-style-type: none"> Inspect fuse located in fuse panel on LH side below instrument panel. Is fuse OK? 		<ul style="list-style-type: none"> Yes No 	<ul style="list-style-type: none"> GO to A16. REPLACE fuse. GO to A1.
A4	TEST DRIVE VEHICLE		
<ul style="list-style-type: none"> Ensure VAPS system is connected. Drive vehicle up to 55 mph and set speed control. Do steering efforts change and is effort balanced (left vs. right turn direction)? While driving vehicle, note operation of speedometer. 		<ul style="list-style-type: none"> Change in steering effort Assist only at high speed No change in steering effort Efforts unbalanced left to right 	<ul style="list-style-type: none"> Diagnostics complete. System is OK. GO to A11. GO to A5. REPLACE steering gear assembly. REPEAT A4.
A5	SPEEDOMETER CHECK		
<ul style="list-style-type: none"> Note operation of speedometer and speed control (from Step A4). Are speedometer and speed control operating properly? The VAPS system requires a speed signal from the vehicle speed sensor. If the speedometer or speed control does not work, these systems should be serviced using the appropriate diagnostic and service procedures. 		<ul style="list-style-type: none"> Yes No 	<ul style="list-style-type: none"> GO to A6. SERVICE as required. GO to A4.