

## DIAGNOSIS AND TESTING (Continued)

## PINPOINT TEST A: WINDSHIELD WASHER DOES NOT OPERATE (Continued)

TEST STEP	RESULT	ACTION TO TAKE
<b>A10</b> TEST FOR POWER TO WIPER MOTOR		
<ul style="list-style-type: none"> <li>Disconnect connector from wiper motor.</li> <li>Turn ignition to run position.</li> <li>Depress and release washer switch.</li> <li>Check for battery voltage between circuit 58 (W) and 61 (Y/R).</li> <li><b>Is battery voltage present?</b></li> </ul>	Yes	PERFORM wiper motor current draw test. SERVICE as required.
	No	GO to A11.
<b>A11</b> TEST FOR BATTERY VOLTAGE AT WCM OUTPUT PIN		
<ul style="list-style-type: none"> <li>Turn ignition to RUN position.</li> <li>Depress and release washer switch.</li> <li>Check for battery voltage between circuits 58 (W) and 61 (Y/R) at WCM connector.</li> <li><b>Is battery voltage present?</b></li> </ul>	Yes	CHECK for: <ul style="list-style-type: none"> <li>Unseated connector.</li> <li>Open circuit 58 (W) between WCM and wiper motor.</li> </ul>
	No	REPLACE WCM.

TK18607A

## PINPOINT TEST B: WIPERS INOPERATIVE AT HIGH SPEED

TEST STEP	RESULT	ACTION TO TAKE
<b>B1</b> CHECK OPERATION		
<ul style="list-style-type: none"> <li>Does low speed work?</li> </ul>	Yes	GO to B4.
	No	GO to B2.
<b>B2</b> CHECK FOR SUPPLY VOLTAGE AT MOTOR		
<ul style="list-style-type: none"> <li>Turn ignition on.</li> <li>Turn wiper switch to HI.</li> <li>Unplug wiper motor.</li> <li>Check for battery voltage at circuit 65 (DG).</li> <li><b>Is battery voltage present?</b></li> </ul>	Yes	GO to B3.
	No	CHECK for: <ul style="list-style-type: none"> <li>Open circuit breaker in fuse panel.</li> <li>Open connector.</li> <li>Open wire circuit 65 (DG).</li> <li>Poor ground connection. SERVICE as required.</li> </ul>
<b>B3</b> CHECK FOR BATTERY VOLTAGE AT THE WCM		
<ul style="list-style-type: none"> <li>Check for battery voltage at circuit 65 (DG) pin 2 of connector.</li> <li><b>Is battery voltage present?</b></li> </ul>	Yes	GO to B4.
	No	SERVICE open in power feed to module. CHECK for: <ul style="list-style-type: none"> <li>Open wire in circuit 65 (DG).</li> <li>Open unseated connector.</li> </ul>
<b>B4</b> CHECK FOR BATTERY VOLTAGE TO MOTOR WINDINGS		
<ul style="list-style-type: none"> <li>Turn ignition switch to RUN.</li> <li>Turn wiper switch to HI.</li> <li>Disconnect connector from wiper motor.</li> <li>Check for battery voltage between circuits 61 (Y/R) and 56 (DB/O).</li> <li><b>Is battery voltage present?</b></li> </ul>	Yes	GO to B7.
	No	GO to B5.
<b>B5</b> CHECK FOR BATTERY VOLTAGE AT WCM CONNECTOR		
<ul style="list-style-type: none"> <li>Check for battery voltage between pins 12 and 14 (circuits 61 (Y/R) and 56 (DB/O)) of WCM connector.</li> <li><b>Is battery voltage present?</b></li> </ul>	Yes	CHECK for: <ul style="list-style-type: none"> <li>Open wire circuits 56 (DB/O) or 61 (Y/R).</li> <li>Open connector.</li> <li>Unseated connector.</li> </ul>
	No	GO to B6.