

## DIAGNOSIS AND TESTING (Continued)

## PINPOINT TEST D: WIPERS INOPERATIVE AT LOW SPEED INTERVAL (Continued)

TEST STEP		RESULT	ACTION TO TAKE
D5	CHECK INTERVAL SELECT INPUT SIGNAL AT WIPER SWITCH		
	<ul style="list-style-type: none"> <li>Disconnect harness from wiper switch.</li> <li>Rotate interval control on the wiper switch from min to max.</li> <li>Measure resistance between terminals of wiper switch for circuits 590 (DB/W) and 993 (BR/W).</li> <li>Is resistance 3.3k-100k ohms?</li> </ul>	Yes	CHECK for open wires between the wiper switch and the WCM. SERVICE as required.
		No	CHECK for damaged wiper switch. SERVICE as required.

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## PINPOINT TEST E: WIPERS WILL NOT PARK BELOW WINDSHIELD

TEST STEP		RESULT	ACTION TO TAKE
E1	CHECK FOR WIRE CONTINUITY		
	<ul style="list-style-type: none"> <li>Turn wiper switch to OFF position.</li> <li>Disconnect connector from wiper motor.</li> <li>Check for continuity between circuits 28 (BK/PK) and 58 (W).</li> <li>Is there continuity?</li> </ul>	Yes	PERFORM motor parking test.
		No	GO to E2.
E2	CHECK FOR WCM CONTINUITY		
	<ul style="list-style-type: none"> <li>Turn ignition to OFF.</li> <li>Disconnect connector from wiper control module.</li> <li>Measure continuity between pins J1-6 and J1-8 of WCM.</li> <li>Is there continuity?</li> </ul>	Yes	CHECK for: <ul style="list-style-type: none"> <li>Unseated connectors.</li> <li>Open circuit between WCM and wiper motor.</li> </ul> SERVICE as required.
		No	GO to E3.
E3	CHECK WIPER SWITCH FUNCTIONALITY		
	<ul style="list-style-type: none"> <li>Turn wiper switch to OFF position.</li> <li>Measure resistance between circuits 589 (O) and 993 (BR/W).</li> <li>Is resistance approximately 47.6k ohms?</li> </ul>	Yes	REPLACE WCM.
		No	CHECK for: <ul style="list-style-type: none"> <li>Unseated wiper switch connector.</li> <li>Open circuit (589 (O) or 993 (BR/W)).</li> <li>Damaged wiper switch.</li> </ul> SERVICE as required.

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## PINPOINT TEST F: WIPERS WILL NOT TURN OFF

TEST STEP		RESULT	ACTION TO TAKE
F1	CHECK FOR SHORTED WCM		
	<ul style="list-style-type: none"> <li>Disconnect connector from wiper motor.</li> <li>Turn ignition to RUN position.</li> <li>Turn wiper switch to OFF position.</li> <li>Measure continuity between circuits 28 (BK/PK) and between circuits 61 (Y/R) and 63 (R).</li> <li>Is there continuity?</li> </ul>	Yes	CHECK for: <ul style="list-style-type: none"> <li>Unseated component.</li> <li>Damaged wiper motor.</li> </ul> SERVICE as required.
		No	GO to F2.
F2	CHECK WIRING BETWEEN WCM AND MOTOR		
	<ul style="list-style-type: none"> <li>Measure continuity of circuits 28 (BK/PK) and 58 (W) and between circuits 61 (Y/R) and 63 (R) at WCM connector?</li> <li>Is there continuity?</li> </ul>	Yes	SERVICE open circuit between WCM and wiper motor.
		No	GO to F3.