

## DIAGNOSIS AND TESTING (Continued)

(Continued)

## PINPOINT TEST FG: DOOR AJAR WARNING NEVER/ALWAYS COMES ON (Continued)

TEST STEP		RESULT	ACTION TO TAKE
<b>FG5</b>	<b>CHECK WIRING</b>		
	<ul style="list-style-type: none"> <li>Leave jumper wire connected as in FG3.</li> <li>Turn ignition switch to OFF.</li> <li>Remove electronic instrument cluster.</li> <li>Check continuity between Pins 17 and 8 of Connector A.</li> <li><b>Is there continuity?</b></li> </ul>	Yes No	REPLACE EIC. SERVICE Circuit 627 (BK/O) for open.

PINPOINT TEST FP:  
WASHER FLUID NEVER ILLUMINATES OR ILLUMINATED AT ALL TIMES

TEST STEP		RESULT	ACTION TO TAKE
<b>FP1</b>	<b>VERIFY CONDITION</b>		
	<ul style="list-style-type: none"> <li>Warning never on. Drain fluid from reservoir.</li> <li>Warning on at all times. Fill reservoir.</li> <li>Turn ignition to RUN and actuate wiper/washer switch.</li> <li>Check system scanner for washer fluid warnings.</li> </ul>	Warning never on Warning on at all times Warning always illuminates when washer fluid is used	GO to FP2. GO to FP6. GO to FP7.
<b>FP2</b>	<b>CHECK SENSOR</b>		
	<ul style="list-style-type: none"> <li>Ensure washer fluid is drained from reservoir.</li> <li>Disconnect electrical connector from windshield washer fluid sensor.</li> <li>Check sensor for continuity.</li> <li><b>Is there continuity?</b></li> </ul>	No Yes	REPLACE sensor. GO to FP3.
<b>FP3</b>	<b>SENSOR VOLTAGE CHECK</b>		
	<ul style="list-style-type: none"> <li>Reconnect sensor.</li> <li>Turn ignition to RUN and actuate wiper/washer switch.</li> <li>Measure voltage (with respect to ground) at wiper washer fluid sensor.</li> <li><b>Is voltage greater than 9 volts?</b></li> </ul>	No Yes	TEST wiper/washer switch. Refer to Section 11-05. CHECK for an open between sensor and switch. GO to FP4.
<b>FP4</b>	<b>CHECK FOR INTERMITTENT CONNECTION AT CLUSTER</b>		
	<ul style="list-style-type: none"> <li>Remove cluster from dash. Do not disconnect.</li> <li>Turn ignition to RUN and actuate wiper switch.</li> <li>With wiper switch activated, wiggle Connector B and check connection.</li> <li><b>Is connection intermittent?</b></li> </ul>	Yes No	SERVICE Connector B or flexible circuit on cluster. GO to FP5.
<b>FP5</b>	<b>CHECK VOLTAGE AT CLUSTER</b>		
	<ul style="list-style-type: none"> <li>Remove cluster as outlined.</li> <li>Turn ignition to RUN.</li> <li>Actuate washer fluid switch and measure voltage at Connector B, Pin 15 to ground.</li> <li><b>Is voltage greater than 9 volts?</b></li> </ul>	No Yes	CHECK Circuit 298 for an open or short. REPLACE cluster.
<b>FP6</b>	<b>CHECK VOLTAGE AT CLUSTER</b>		
	<ul style="list-style-type: none"> <li>Remove cluster as outlined.</li> <li>Turn ignition to RUN and measure voltage at connector B, Pin 15 to ground.</li> <li><b>Is voltage greater than 3 volts?</b></li> </ul>	No Yes	REPLACE cluster. CHECK Circuit 298 for a short to battery or run circuits.
<b>FP7</b>	<b>CHECK SENSOR</b>		
	<ul style="list-style-type: none"> <li>Ensure reservoir is full.</li> <li>Disconnect electrical connector and windshield washer fluid reservoir.</li> <li>Check continuity across sensor.</li> <li><b>Is there continuity?</b></li> </ul>	No Yes	CHECK for an open or short in Circuit 94 1. REPLACE sensor.