

## DIAGNOSTIC TESTS (A-J) (Continued)

## PINPOINT TEST C: ANTI-LOCK WARNING INDICATOR ON AFTER VEHICLE STARTS TO MOVE OR FALSE CYCLING OF ANTI-LOCK SYSTEM (Continued)

TEST STEP	RESULT	ACTION TO TAKE
<b>C24</b> CHECK PUMP MOTOR RELAY		
<ul style="list-style-type: none"> <li>Check continuity from Pin S1 on 7-pin side to Pin S1 on 4-pin side of relay.</li> <li>Is continuity present?</li> </ul>	Yes No	GO to C25. REPLACE pump motor relay.
<b>C25</b> CHECK CIRCUIT 462		
<ul style="list-style-type: none"> <li>Check continuity between breakout box Pin 31 and Pin S0 on pump motor connector 7-pin plug (harness side).</li> <li>Is continuity present?</li> </ul>	Yes No	GO to C26. SERVICE or REPLACE cable harness Circuit 462.
<p>7 PIN PUMP MOTOR RELAY CONNECTOR HARNESS SIDE H7781-B</p>		
<b>C26</b> CHECK CIRCUIT 461		
<ul style="list-style-type: none"> <li>Check continuity between breakout box Pin 49 and Pin S1 on pump motor connector 7-pin plug (harness side).</li> <li>Is continuity present?</li> </ul>	Yes No	REVERIFY reading at C21. SERVICE or REPLACE cable harness Circuit 461.
<b>C27</b> CHECK MOTOR SPEED SENSOR SHORT TO BATTERY +		
<ul style="list-style-type: none"> <li>Turn ignition switch to ON.</li> <li>Measure voltage between breakout box Pins 31 and 60.</li> </ul>	No voltage 12 volts	GO to C31. GO to C28.
<b>C28</b> CHECK PUMP MOTOR		
<ul style="list-style-type: none"> <li>Disconnect pump motor relay 4-pin plug connector.</li> <li>Turn ignition switch to ON.</li> <li>Measure voltage between breakout box Pins 31 and 60.</li> </ul>	No voltage 12 volts	REPLACE pump and motor. GO to C29.
<b>C29</b> CHECK CIRCUIT 462		
<ul style="list-style-type: none"> <li>Disconnect wire harness to relay 7-pin plug.</li> <li>Turn ignition switch to ON.</li> <li>Measure voltage between breakout box Pins 31 and 60.</li> </ul>	No voltage 12 volts	GO to C30. SERVICE or REPLACE cable harness Circuit 462.
<b>C30</b> CHECK CIRCUIT 461		
<ul style="list-style-type: none"> <li>Turn ignition switch to ON.</li> <li>Measure voltage between breakout box Pins 49 and 60.</li> </ul>	No voltage 12 volts	REPLACE pump motor relay. SERVICE or REPLACE cable harness Circuit 461.
<b>C31</b> CHECK MOTOR SPEED SENSOR SHORT TO GROUND		
<ul style="list-style-type: none"> <li>Check for continuity between breakout box Pins 31 and 60.</li> <li>Is continuity present?</li> </ul>	No Yes	GO to C34. GO to C32.