

## Starter Solenoid Does Not Click

Step	Action	Yes	No
Schematic Reference: <a href="#">Starting and Charging Schematics</a>			
1	Did you perform the Engine Electrical Diagnostic System Check?	Go to <a href="#">Step 2</a>	Go to <a href="#">Diagnostic System Check - Engine Electrical</a>
2	<ol style="list-style-type: none"> <li>1. Verify that the Clutch Pedal is pushed all the way in or that the transmission is in Park or Neutral.</li> <li>2. Turn the ignition to the START position.</li> </ol> <p>Does the starter solenoid click?</p>	Go to <a href="#">Testing for Intermittent Conditions and Poor Connections</a> in Wiring Systems	Go to <a href="#">Step 3</a>
3	<p>Turn the ignition to the START position.</p> <p>Does the Starter Relay Click?</p>	Go to <a href="#">Step 7</a>	Go to <a href="#">Step 4</a>
4	<p>Is the Theft Indicator blinking?</p>	Go to <a href="#">Diagnostic System Check - Theft Deterrent</a> in Theft Deterrent	Go to <a href="#">Step 5</a>
5	<ol style="list-style-type: none"> <li>1. Turn OFF the ignition.</li> <li>2. Disconnect the Starter Relay</li> <li>3. Connect a test lamp between the supply voltage circuit of the Starter relay coil and control circuit of the Starter relay.</li> <li>4. Verify that the Clutch Pedal is pushed all the way in or that the transmission is in Park or Neutral.</li> <li>5. Turn the ignition to the START position.</li> </ol> <p>Does the test lamp illuminate?</p>	Go to <a href="#">Step 17</a>	Go to <a href="#">Step 6</a>
6	<ol style="list-style-type: none"> <li>1. Connect a test lamp between the supply voltage circuit of the starter relay coil and ground.</li> <li>2. Verify that the Clutch Pedal is pushed all the way in or that the transmission is in Park or Neutral.</li> <li>3. Turn the ignition to the</li> </ol>	Go to <a href="#">Step 15</a>	Go to <a href="#">Step 9</a>

	START position. Does the test lamp illuminate?		
7	<ol style="list-style-type: none"> <li>1. Turn OFF the ignition.</li> <li>2. Disconnect the Starter Relay</li> <li>3. Connect a test lamp between the supply voltage circuit of the starter relay switch and the supply voltage circuit of the starter solenoid.</li> </ol> Does the test lamp illuminate?	Go to <a href="#">Step 17</a>	Go to <a href="#">Step 8</a>
8	<p>Connect a test lamp between the supply voltage circuit of the starter relay switch and ground.</p> Does the test lamp illuminate?	Go to <a href="#">Step 16</a>	Go to <a href="#">Step 24</a>
9	Is the vehicle equipped with a Manual Transmission?	Go to <a href="#">Step 10</a>	Go to <a href="#">Step 12</a>
10	<ol style="list-style-type: none"> <li>1. Turn OFF the ignition.</li> <li>2. Disconnect the Clutch Pedal Position (CCP) Switch.</li> <li>3. Connect a test lamp between the supply voltage circuit of the CPC switch and the starter relay coil supply voltage circuit of the CPC switch.</li> <li>4. Turn the ignition to the START position.</li> </ol> Does the test lamp illuminate?	Go to <a href="#">Step 18</a>	Go to <a href="#">Step 11</a>
11	<ol style="list-style-type: none"> <li>1. Connect a test lamp between the supply voltage circuit of the CPC and a good ground.</li> <li>2. Turn the ignition to the START position.</li> </ol> Does the test lamp illuminate?	Go to <a href="#">Step 25</a>	Go to <a href="#">Step 14</a>
12	<ol style="list-style-type: none"> <li>1. Turn OFF the ignition.</li> <li>2. Disconnect the Park/Neutral Position (PNP) switch.</li> <li>3. Connect a test lamp between the supply voltage circuit of the PNP switch and the starter relay coil supply voltage circuit of the PNP switch.</li> <li>4. Turn the ignition to the</li> </ol>	Go to <a href="#">Step 19</a>	Go to <a href="#">Step 13</a>

	<p>START position.</p> <p>Does the test lamp illuminate?</p>		
13	<ol style="list-style-type: none"> <li>1. Connect a test lamp between the supply voltage circuit of the PNP and a good ground.</li> <li>2. Turn the ignition to the START position.</li> </ol> <p>Does the test lamp illuminate?</p>	Go to <a href="#">Step 25</a>	Go to <a href="#">Step 14</a>
14	<p>Test the supply voltage circuit of the PNP switch for a high resistance or an open. Refer to <a href="#">Circuit Testing</a> and <a href="#">Wiring Repairs</a> in Wiring Systems.</p> <p>Did you find and correct the condition?</p>	Go to <a href="#">Step 32</a>	Go to <a href="#">Step 21</a>
15	<p>Test the control circuit of the Starter relay for a high resistance or an open. Refer to <a href="#">Circuit Testing</a> and <a href="#">Wiring Repairs</a> in Wiring Systems.</p> <p>Did you find and correct the condition?</p>	Go to <a href="#">Step 32</a>	Go to <a href="#">Step 22</a>
16	<p>Test the supply voltage circuit of the Starter solenoid for a high resistance or an open. Refer to <a href="#">Circuit Testing</a> and <a href="#">Wiring Repairs</a> in Wiring Systems.</p> <p>Did you find and correct the condition?</p>	Go to <a href="#">Step 32</a>	Go to <a href="#">Step 23</a>
17	<p>Inspect for poor connection at the Starter relay. Refer to <a href="#">Testing for Intermittent Conditions and Poor Connections</a> and <a href="#">Connector Repairs</a> in Wiring Systems.</p> <p>Did you find and correct the condition?</p>	Go to <a href="#">Step 32</a>	Go to <a href="#">Step 26</a>
18	<p>Inspect for poor connection at the CPC switch. Refer to <a href="#">Testing for Intermittent Conditions and Poor Connections</a> and <a href="#">Connector Repairs</a> in Wiring Systems.</p> <p>Did you find and correct the condition?</p>	Go to <a href="#">Step 32</a>	Go to <a href="#">Step 27</a>
19	<p>Inspect the PNP switch for proper</p>	Go to <a href="#">Step 32</a>	Go to <a href="#">Step 20</a>

	<p>adjustment. Refer to <a href="#">Park/Neutral Position Switch Adjustment</a> in Automatic Transaxle - 4L60E.</p> <p>Did you find and correct the condition?</p>		
20	<p>Inspect for poor connection at the PNP switch. Refer to <a href="#">Testing for Intermittent Conditions and Poor Connections</a> and <a href="#">Connector Repairs</a> in Wiring Systems.</p> <p>Did you find and correct the condition?</p>	Go to <a href="#">Step 32</a>	Go to <a href="#">Step 28</a>
21	<p>Inspect for poor connection at the ignition switch. Refer to <a href="#">Testing for Intermittent Conditions and Poor Connections</a> and <a href="#">Connector Repairs</a> in Wiring Systems.</p> <p>Did you find and correct the condition?</p>	Go to <a href="#">Step 32</a>	Go to <a href="#">Step 29</a>
22	<p>Inspect for poor connection at the BCM. Refer to <a href="#">Testing for Intermittent Conditions and Poor Connections</a> and <a href="#">Connector Repairs</a> in Wiring Systems.</p> <p>Did you find and correct the condition?</p>	Go to <a href="#">Step 32</a>	Go to <a href="#">Step 30</a>
23	<p>Inspect for poor connection at starter solenoid. Refer to <a href="#">Testing for Intermittent Conditions and Poor Connections</a> and <a href="#">Connector Repairs</a> in Wiring Systems.</p> <p>Did you find and correct the condition?</p>	Go to <a href="#">Step 32</a>	Go to <a href="#">Step 31</a>
24	<p>Repair the high resistance or open in the supply voltage circuit of the starter relay switch. Refer to <a href="#">Wiring Repairs</a> in Wiring Systems.</p> <p>Did you complete the repair?</p>	Go to <a href="#">Step 32</a>	--
25	<p>Repair the high resistance or open in the supply voltage circuit of the starter relay coil. Refer to <a href="#">Wiring Repairs</a> in Wiring Systems.</p>	Go to <a href="#">Step 32</a>	--

	Did you complete the repair?		
26	Replace the Starter relay. Did you complete the replacement?	Go to <a href="#">Step 32</a>	--
27	Replace the CPC switch Refer to <a href="#">Clutch Pedal Position Switch Replacement</a> in Clutch. Did you complete the replacement?	Go to <a href="#">Step 32</a>	--
28	Replace the PNP switch. Refer to <a href="#">Park/Neutral Position Switch Replacement</a> in Automatic Transaxle - 4L60E. Did you complete the replacement?	Go to <a href="#">Step 32</a>	--
29	Replace the ignition switch. Refer to <a href="#">Ignition Switch Replacement - On Vehicle</a> in Instrument, Panel, Gages, and Console. Did you complete the replacement?	Go to <a href="#">Step 32</a>	--
30	<b>Important:</b> Perform the set up procedure for the BCM. Refer to <a href="#">Body Control Module (BCM) Programming/RPO Configuration in Body Control System</a> . Replace the BCM. Refer to <a href="#">Body Control Module Replacement</a> in Body Control System Did you complete the replacement?	Go to <a href="#">Step 32</a>	--
31	Replace the starter. Refer to <a href="#">Starter Motor Replacement</a> . Did you complete the replacement?	Go to <a href="#">Step 32</a>	--
32	Operate the system for which the symptom occurred. Did you correct the condition?	System OK	Go to <a href="#">Step 2</a>