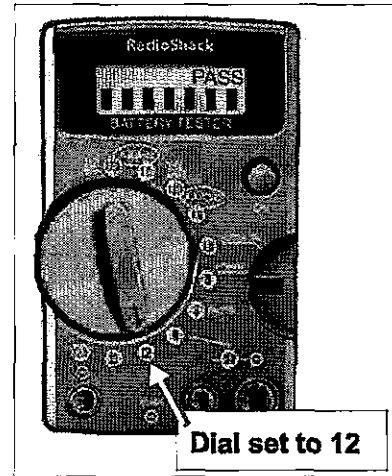


# Battery Pack Test Procedures

This document describes how to test the battery packs in the eSlate Electronic Voting System's Judge's Booth Controller (JBC), Model JBC 1000 B, and the eSlate and DAU eSlate voting units using the RadioShack™ Battery Tester supplied by Hart InterCivic Election Solutions Group. The numbers of hours given in **Table 1:** and **Table 2:** below are estimates only, and actual operating times may vary. Use the values in the tables to determine whether or not it is appropriate to re-use the battery pack(s) in your application.

## A. Set Up the Battery Tester

1. Unwind the test lead on the back of the Tester (as described in the Tester's OWNER'S MANUAL pamphlet).
2. Press the **ON** button on the Tester. If **READY** does not display at the bottom of the Tester screen, replace the batteries in the Tester (as described in the Tester's OWNER'S MANUAL pamphlet).
3. Set the **DIAL** on the Tester to **12**.
4. Go to Section **B.** for the JBC or Section **B.** for the eSlate and DAU eSlate.



JBC	eSlate and DAU eSlate
<p><b>B. Access the Battery Packs</b></p> <ol style="list-style-type: none"> <li>1. Disconnect the Battery Pack Key from the back of the JBC (AUX DC).</li> <li>2. Turn the JBC up-side-down.</li> <li>3. Lift up both JBC Battery Pack covers.</li> <li>4. Go to Section <b>C.</b> Test the 2 JBC Battery Packs on page 2.</li> </ol>	<p><b>B. Remove the eSlate Battery Pack Cover</b></p> <ol style="list-style-type: none"> <li>1. Disconnect the eSlate from the JBC or another eSlate.</li> <li>2. Turn the eSlate up-side-down and remove the eSlate Battery Pack cover.</li> <li>3. Go to Section <b>C.</b> Test the eSlate Battery Pack on page 2.</li> </ol>

**Table 1: JBC Available Charge (see NOTE)**

Bars Displayed	Approximate Hours Remaining
1 — █	
2 — █ █	
3 — █ █ █	
4 — █ █ █ █	3
5 — █ █ █ █ █	28
6 — █ █ █ █ █ █	42
7 — █ █ █ █ █ █ █	48

**NOTE:** For optimum battery power, both of the JBC Battery Packs in a JBC must have the SAME Number of Bars displayed.

**Table 2: eSlate/eSlate DAU Available Charge**

Bars Displayed	Approximate Hours Remaining
1 — █	
2 — █ █	
3 — █ █ █	
4 — █ █ █ █	
5 — █ █ █ █ █	9
6 — █ █ █ █ █ █	13
7 — █ █ █ █ █ █ █	16

JBC	eSlate and DAU eSlate
<p><b>C. Test the 2 JBC Battery Packs</b></p> <ol style="list-style-type: none"> <li>1. Locate the leads on both JBC Battery Packs and unplug their connectors (squeeze the connector and pull apart).</li> <li>2. Plug one of the JBC Battery Pack's connectors into the Tester's connector.</li> <li>3. Write down the number of bars displayed on the Tester screen.</li> <li>4. Disconnect the Tester.</li> <li>5. Plug the second JBC Battery Pack's connector into the Tester's connector.</li> <li>6. Write down the number of bars displayed on the Tester screen.</li> <li>7. Disconnect the Tester.</li> <li>8. Refer to <b>Table 1: JBC Available Charge</b> (see NOTE) on page 1 to determine if the JBC Battery Packs need to be replaced.  <b>NOTE:</b> Both JBC Battery Packs must have the SAME number of bars displayed on the Tester screen to provide optimum battery power.</li> <li>9. If necessary, replace the JBC Battery Packs.</li> <li>10. Re-connect the JBC Battery Pack connectors (the hook on the female connector hooks into the male connector).</li> <li>11. Go to Section D. Close the Battery Pack Covers below.</li> </ol>	<p><b>C. Test the eSlate Battery Pack</b></p> <ol style="list-style-type: none"> <li>1. Locate the eSlate Battery Pack lead and unplug the connectors (squeeze the connector and pull apart).</li> <li>2. Plug the eSlate Battery Pack's connector into the Tester's connector.</li> <li>3. Write down the number of bars displayed on the Tester screen.</li> <li>4. Disconnect the Tester.</li> <li>5. Refer to <b>Table 2: eSlate/eSlate DAU Available Charge</b> on page 1 to determine if the eSlate Battery Pack needs to be replaced.</li> <li>6. If necessary, replace the eSlate Battery Pack, being sure to keep the lifting cord accessible.</li> <li>7. Plug the eSlate Battery Pack connector back into the eSlate connector (the hook on the female connector hooks into the male connector).</li> <li>8. Go to Section D. Replace the eSlate Battery Pack Cover below.</li> </ol>
<p><b>D. Close the Battery Pack Covers</b></p> <ol style="list-style-type: none"> <li>1. Close the JBC Battery Pack covers.</li> <li>2. Label the JBC <b>Tested</b>.</li> <li>3. Turn the JBC right-side-up.</li> </ol>	<p><b>D. Replace the eSlate Battery Pack Cover</b></p> <ol style="list-style-type: none"> <li>1. Tuck the eSlate Battery Pack connector and wires down into the battery pack bay so they are out of the way.</li> <li>2. Replace the eSlate Battery Pack cover.</li> <li>3. Label the eSlate <b>Tested</b>.</li> <li>4. Turn the eSlate right-side-up.</li> </ol>

## Replacement Parts

JBC Battery Pack PN: 2001-596  
 eSlate Battery Pack PN: 2001-592  
 Battery Tester PN: 2001-598

Replacement parts are available from:  
 Hart InterCivic Election Solutions Group  
 1650 Coal Creek Drive, Suite E  
 Lafayette, Colorado 80026  
 Phone: 303.385.6440  
 Fax: 303.385.6477