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 reuse 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.

B. Access the Battery Packs

1. Disconnect the Battery Pack Key from the back of the JBC (AUX DC).
2. Turn the JBC up-side-down.
3. Lift up both JBC Battery Pack covers.
4. Go to Section C. Test the 2 JBC Battery Packs on page 2.

<table>
<thead>
<tr>
<th>Bars Displayed</th>
<th>Approximate Hours Remaining</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>5</td>
<td>28</td>
</tr>
<tr>
<td>6</td>
<td>42</td>
</tr>
<tr>
<td>7</td>
<td>48</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Bars Displayed</th>
<th>Approximate Hours Remaining</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td></td>
</tr>
</tbody>
</table>

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

**B. Remove the eSlate Battery Pack Cover**

1. Disconnect the eSlate from the JBC or another eSlate.
2. Turn the eSlate up-side-down and remove the eSlate Battery Pack cover.
3. Go to Section C. Test the eSlate Battery Pack on page 2.
### JBC Battery Pack Test Procedures

**C. Test the 2 JBC Battery Packs**

1. Locate the leads on both JBC Battery Packs and unplug their connectors (squeeze the connector and pull apart).
2. Plug one of the JBC Battery Pack's connectors into the Tester's connector.
3. Write down the number of bars displayed on the Tester screen.
4. Disconnect the Tester.
5. Plug the second JBC Battery Pack's connector into the Tester's connector.
6. Write down the number of bars displayed on the Tester screen.
7. Disconnect the Tester.
8. Refer to Table 1: JBC Available Charge (see NOTE) on page 1 to determine if the JBC Battery Packs need to be replaced.

**NOTE:** Both JBC Battery Packs must have the SAME number of bars displayed on the Tester screen to provide optimum battery power.

9. If necessary, replace the JBC Battery Packs.
10. Re-connect the JBC Battery Pack connectors (the hook on the female connector hooks into the male connector).
11. Go to Section D. Close the Battery Pack Covers below.

### eSlate Battery Pack Test Procedures

**C. Test the eSlate Battery Pack**

1. Locate the eSlate Battery Pack lead and unplug the connectors (squeeze the connector and pull apart).
2. Plug the eSlate Battery Pack's connector into the Tester's connector.
3. Write down the number of bars displayed on the Tester screen.
4. Disconnect the Tester.
5. Refer to Table 2: eSlate/eSlate DAU Available Charge on page 1 to determine if the eSlate Battery Pack needs to be replaced.
6. If necessary, replace the eSlate Battery Pack, being sure to keep the lifting cord accessible.
7. Plug the eSlate Battery Pack connector back into the eSlate connector (the hook on the female connector hooks into the male connector).
8. Go to Section D. Replace the eSlate Battery Pack Cover below.

### D. Close the Battery Pack Covers

**JBC Battery Pack**

1. Close the JBC Battery Pack covers.
2. Label the JBC Tested.
3. Turn the JBC right-side-up.

**eSlate Battery Pack**

1. Tuck the eSlate Battery Pack connector and wires down into the battery pack bay so they are out of the way.
2. Replace the eSlate Battery Pack cover.
3. Label the eSlate Tested.
4. Turn the eSlate right-side-up.

### Replacement Parts

<table>
<thead>
<tr>
<th>Part</th>
<th>PN:</th>
</tr>
</thead>
<tbody>
<tr>
<td>JBC Battery Pack</td>
<td>2001-596</td>
</tr>
<tr>
<td>eSlate Battery Pack</td>
<td>2001-592</td>
</tr>
<tr>
<td>Battery Tester</td>
<td>2001-598</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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