**Contact insertion and removal tools**

1. **Insertion/Extraction Tool for #23 Contacts.** Features molded plastic grips and sturdy stainless steel tips. Blue/White molded handle.

2. **Insertion Tool for #23 Contacts.** This tool features anodized aluminum handle and stainless steel insertion tip.

3. **Insertion/Extraction Tool for #20HD Contacts.** This tool features molded plastic grips and sturdy stainless steel or Delrin tips. Molded handle in Green/White for SS or Green/Blue for Delrin tips.

4. **Insertion/Extraction Tool for #16 Contacts.** Use with size #16 coaxial or power contacts. Economical molded plastic. White extraction tip, blue insertion tip.

5. **Insertion/Extraction Tool for #12 Contacts.** Use with size #12 coaxial or power contacts. Molded plastic. White extraction tip, yellow insertion tip.

6. **Insertion/Extraction Tool for #20 Contacts.** Molded plastic. Orange extraction tip, red insertion tip.

**Contact retention testers for size #23, #20, #16, #12 contacts (Kit or Individual Parts)**

Check for properly seated contacts with this spring-loaded tester. Apply the tool tip to the mating end of a contact. Push on the handle until the spring compresses to the recommended force. A visual indicator shows full compression. The contact is properly retained if it is not displaced.

Adjust handle to appropriate settings:

<table>
<thead>
<tr>
<th>Contact P/N</th>
<th>Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>#23 809-107-1</td>
<td>3.2 pounds</td>
</tr>
<tr>
<td>#20 &amp; 20HD 809-370-1</td>
<td>8 pounds</td>
</tr>
<tr>
<td>#16 809-371-1</td>
<td>13 pounds</td>
</tr>
<tr>
<td>#12 809-372-1</td>
<td>13 pounds</td>
</tr>
</tbody>
</table>

**Contact Size** | **Handle** | **Pin Tip** | **Socket Tip** | **Complete Kit**
---|---|---|---|---
#23 | 809-107-1 (HT250-2) | 809-107-2 (68-023-01) | 809-107-3 (67-023-01) | 809-107-4
#20 & 20HD | 809-370-1 (HT250-4) | 809-370-2 (68-020-01) | 809-370-3 (67-020-01) | 809-370-4
#12 | 809-372-1 (HT250-4) | 809-372-2 (68-012-01) | 809-372-3 (67-012-01) | 809-372-4

Daniels part numbers provided in parenthesis.

Dimensions in Inches (millimeters) are subject to change without notice.