Humanetics has issued multiple Standard Build Level (SBL) updates to the design of the WorldSID 50th ATD since the first pre-production release in 2003. Build level updates are issued in conjunction with the ISO WorldSID Task Group, which recommends and reviews all design improvements made during the development cycle.

Summary

There have been six build level releases beginning with SBL A in 2003 up to SBL F first released in 2013. The following chart summarizes the main changes and release dates.

<table>
<thead>
<tr>
<th>WorldSID 50th ATD SBL Updates*</th>
<th>SBL</th>
<th>Date</th>
<th>Summary</th>
<th>Approx. Production</th>
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<tbody>
<tr>
<td></td>
<td>A-B</td>
<td>2003</td>
<td>Original Design, Pre-Production</td>
<td>12 dummies</td>
</tr>
<tr>
<td></td>
<td>C</td>
<td>2004</td>
<td>Production Release. Major Changes including: torso, neck, ribs, battery assembly, pelvis, &amp; instrumentation</td>
<td>11 dummies</td>
</tr>
<tr>
<td></td>
<td>D</td>
<td>2005</td>
<td>Changes to: lower neck bracket &amp; spacer, pelvis instrumentation, shoulder clevis asm., spine box plates</td>
<td>10 dummies</td>
</tr>
<tr>
<td></td>
<td>E</td>
<td>2008</td>
<td>Changes to: battery container/cover, IRTRACC system, torso asm, ribs, shoulder clevis asm., shoes</td>
<td>31 dummies</td>
</tr>
<tr>
<td></td>
<td>F</td>
<td>2013</td>
<td>Changes to: Jacket, ankle, lift bracket and 2D IRTRACC is made standard</td>
<td>Continuous</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>● Introduction of new arm and clevis in 2016 Future updates to suit and neck shield are in process.</td>
<td></td>
</tr>
</tbody>
</table>

*Please see accompanying pages, Technical Specifications, for complete details of the WorldSID 50th ATD component updates.

Technical Specifications Table of Contents

Page 2.........Release to Production SBL C Parts List
Page 3.........SBL D and E Parts List
Page 4.........SBL F Parts List, Begin major component parts to check
Page 5-10.....Major component parts to check on the WSID 50th to determine build level

For further inquiries please contact Humanetics Customer Service or your account manager.
## Part Updates from Pre-Production Dummy

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<tr>
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<td>1</td>
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<tr>
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<td>W50-30000</td>
<td>1</td>
<td>Torso-Shoulder/ Thorax/ Abdomen, WorldSID</td>
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<td>Upper Bracket Weldment Spine Box, WSID</td>
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<td>4</td>
<td>W50-32000</td>
<td>2</td>
<td>Rib, Shoulder</td>
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<td>2</td>
<td>Rib, Doubler, Shoulder</td>
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<td>17</td>
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<td>4</td>
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## Technical Specifications

### SBL D, May 15, 2005

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### SBL E, November 1, 2008

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<td>REV C</td>
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<td>L</td>
<td>REV K</td>
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<tr>
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<td>J</td>
<td>REV H</td>
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<td>W50-61117</td>
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Technical Specifications

SBL F, April 30, 2013
Part Updates

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Major component parts to check on the WSID 50th to determine build level

**LOWER NECK BRACKET**

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### Technical Specifications

**Major component parts to check on the WSID 50th to determine build level**

#### UPPER NECK BRACKET

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#### SHOULDER PAD

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<td>REV D</td>
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- *each piece*
  - Overall Width = 158mm
  - Overall Height = 73mm
  - Overall Length = 138mm

- *W50-35023-2*
  - REV D
  - Overall Width = 164mm
### Major component parts to check on the WSID 50th to determine build level

#### LUMBAR SPINE RUBBER

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<td>W50-41018 REV C</td>
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- **REV A: DIA 6.2**
- **REV B: DIA 7.9 WAS 6.2**
- **REV A: DIA 5.2**
- **REV C: DIA 6.9 WAS 5.2**

#### PELVIS BONE

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<td>W50-42011 (RIGHT) REV B DOES NOT INCLUDE INSERT</td>
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Major component parts to check on the WSID 50th to determine build level

### SHOULDER CLEVIS ASSEMBLY

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### PELVIS DOCKING STATION

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<tbody>
<tr>
<td>PELVIS DOCKING STATION W50-41042 REV D</td>
<td>BATTERY CONTAINER W50-43001 REV D</td>
</tr>
</tbody>
</table>
## Technical Specifications

### Major component parts to check on the WSID 50th to determine build level

#### PELVIS BATTERY

<table>
<thead>
<tr>
<th>Old Design</th>
<th>Build Level E</th>
</tr>
</thead>
<tbody>
<tr>
<td>G5 Structural Replacement</td>
<td>Battery Replacement</td>
</tr>
<tr>
<td>W50-74307 REV D</td>
<td>W5-3325 REV C</td>
</tr>
</tbody>
</table>

#### PUBIC BUFFER, MOLDED

<table>
<thead>
<tr>
<th>Old Design</th>
<th>Build Level E</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUBIC BUFFER, MOLDED</td>
<td>PUBIC BUFFER, MOLDED</td>
</tr>
<tr>
<td>W50-42510 REV 1</td>
<td>W50-42510 REV C</td>
</tr>
</tbody>
</table>

[Images of component parts]
**Technical Specifications**

Major component parts to check on the WSID 50th to determine build level

**W50-57000 ANKLE**

<table>
<thead>
<tr>
<th>SBL E</th>
<th>SBL F</th>
</tr>
</thead>
<tbody>
<tr>
<td>W50-54054</td>
<td>W50-57000 rev C</td>
</tr>
</tbody>
</table>

![Image of WSID 50th ANKLE](image1)

**W50-80100 JACKET**

<table>
<thead>
<tr>
<th>OLD DESIGN</th>
<th>Build Level F</th>
</tr>
</thead>
<tbody>
<tr>
<td>W50-80100 rev C</td>
<td>W50-80100 rev D</td>
</tr>
</tbody>
</table>

![Image of WSID 50th JACKET](image2)
Technical Specifications

Major component parts to check on the WSID 50th to determine build level

IR-TRACC

<table>
<thead>
<tr>
<th>SBL E: 1D IRTRACC</th>
<th>SBL F: 2D IRTRACC</th>
</tr>
</thead>
</table>

Shoulder Clevis & Arm

<table>
<thead>
<tr>
<th>SBL E &amp; F through 2015</th>
<th>SBL F after March 2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>W50-61130 (Univ), W50-62000</td>
<td>W50-63111 (R), W50-63112 (L), W50-63100</td>
</tr>
</tbody>
</table>