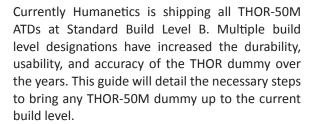
# THOR-50M SBL Upgrade Guide

Update Publication: August 2018



### **Pre-March 2016 Design Freeze**

Pre-March 2016 Design Freeze ATDs will need to be evaluated by Humanetics to determine what level of build the dummy conforms to and what additional parts are needed for upgrade.

### **Upgrade Determination**

If needed, our customer service team will assist in determining the current build level of your THOR-50M ATD given the original manufacturing date, and if any kits or components at an SBL A or B have been purchased.

When requesting a quote and/or RMA for the return of a THOR-50M ATD for upgrade, it is best we identify the expectations in advance of returning the ATD to our facility.

#### **QUESTIONS:**

 Returning the THOR-50M ATD with the full set of sensors for recalibration services?

We will provide a quote for item no. **<u>UPGRADE</u> THOR-50M WITH CERTS** 

Description: UPGRADE THOR 50M FULL SENSOR DISASSY

This includes the disassembly of the sensors, assembly of the sensors back into the ATD after calibration, the rework of the mechanical parts and re-zeroing the IRTRACCs.



 Returning the THOR-50M ATD without the sensors for recalibration services?

We will provide a quote for item no. **UPGRADE THOR-50M WITH CERTS** 

Description: UPGRADE THOR 50M FULL SENSOR DISASSY

\*\*IMPORTANT TO NOTE: Customer must return the full set of IR-TRACCs to be reworked/upgraded to the SBL B design.

This option includes the rework of the mechanical parts and re-zeroing of the IR-TRACCs.

All Upgrades MUST include the <u>RECERT-THOR ATD</u>, which includes a full set of certification tests to the SBL B corridors.

Recalibration of the IR-TRACCs is **optional** and must be quoted as a separate service. Please see pages 2.

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## Components to upgrade from March 2016 to SBL B

Part No.	Description	Qty.
472-KIT-A	COMPONENTS TO UP- GRADE FROM MARCH 2016 to SBL A	1
472-7800-KIT-A	MOLDED SHOE KIT	1
472-2100-B-KIT	MOLDED NECK, T/C, SBL KIT	1
AXSDM053-B	ACCEL MOUNT SHOUL- DER	1
472-4720-1-B	ATTACH BRACKET WELD ASSY LEFT	1
472-4720-2-B	ATTACH BRACKET WELD ASSY RIGHT	1
472-3733-B	LC THORACIC SPINE FLEX JOINT ADPTR ASSY	1
472-4770	BLOCK MOUNTING	2

## **Components to upgrade from** SBL A to SBL B

Part No.	Description	Qty.
472-2100-B-KIT	MOLDED NECK, T/C, SBL KIT	1
AXSDM053-B	ACCEL MOUNT SHOUL- DER	1
472-4720-1-B	ATTACH BRACKET WELD ASSY LEFT	1
472-4720-2-B	ATTACH BRACKET WELD ASSY RIGHT	1
472-3733-B	LC THORACIC SPINE FLEX JOINT ADPTR ASSY	1
472-4770	BLOCK MOUNTING	2

#### **More Information**

See the March 2016 Design Change History, SBL-A, and SBL-B Service Bulletins for additional component and certification detail.

R-TRACC calibration

Y-axis angle calibration

IR-TRACC calibration

R-TRACC calibration

**Fubes in-out** 

Harmonised IR-TRACC calibration

<b>IR-TRACC Recalibration Options</b>
R1, R2, R3

1

2

1

IR-TRACC Recalik R1, R2, R3	pration Options	Tubes in-out IR-TRACC calibr	Harmonised IR-TRACC calibr	Y-axis angle calibration	Z-axis angle calibration	Zero-position 2D or 3D
Part Number	3D					
RECAL-3DR1-R3 (H)	Up to R3 IR-TRACCs* in 3D Assembly		•	•	•	•
RECAL-3DR1-R3 (H+TIO)	Up to R3 IR-TRACCs* in a 3D Assembly including R4-R5 Tube In-Out (TIO) Calibration Method	•	•	•	•	•

<sup>\*</sup> without "R4" or R5" in the model number

# **IR-TRACC Recalibration Options R4 & R5**

Part Number	3D					
RECAL-3DR4/R5 (TIO)	R4 and R5 IR-TRACCs in 3D Assembly	•		•	•	•

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Z-axis angle

Zero-position

2D or 3D