

HIII-50M SPINE BOX REQUIREMENTS FOR THORACIC & RIB LOAD CELLS

Service Notification



January 2020

Specially designed spine boxes and adapters must be used to allow the use of both the model 1911 or IF-310 thoracic spine load cells and the model 3457 rib load cells on the Hybrid III 50M.

1911 & IF-310 Thoracic Spine Load Cells

REQUIREMENTS

The standard HIII-50M spine box is not designed to allow mounting of either thoracic or rib load cells.

Denton product users wishing to only mount a model 1911 (or equivalent) thoracic load cell must use the 78051-179I-DN spine box assembly consisting of a 78051-179WI-DN spine box, 78051-84I-DN accelerometer mount bracket and a 78051-81I-DN adapter as shown in figure 1.

For FTSS product users, the IF-310 thoracic load cell assembly consists of the IF-310 load cell, 78051-78-H accelerometer mount bracket, 3100-46 spine box, and the 3100-40 adapter assembly (figure1).

3457 Rib Load Cells

REQUIREMENTS

Users wishing to mount model 3457 rib load cells (or equivalent) must use the #5007 spine box as shown in figure 2.

Thoracic Spine & 3457 Rib Load Cells

REQUIREMENTS

Users wishing to mount both the model 1911 (or equivalent) thoracic load cell and model 3457 rib load cells (or equivalent) can order a #5000 spine box assembly which includes the rib load cells. The 78051-78I-DN adapter assembly (sold separately) and a model 1911 thoracic load cell can be used with the #5007 spine box as shown in figure 3.

! The DN and FTSS components are not interchangeable.

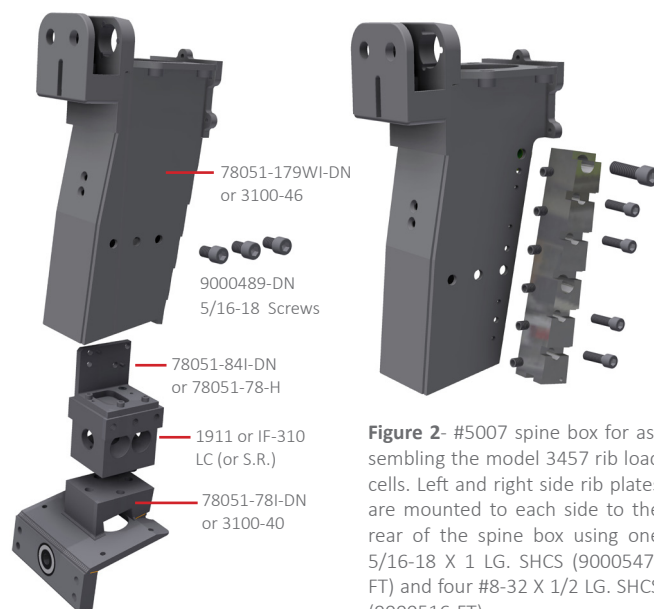


Figure 1-78051-179I and IF-310 spine box assemblies for mounting the model 1911 or IF-310 load cell. Includes the spine box and adapter assembly. Load cell structural replacement (78051-83I-DN) for Denton version shown. Six 5/16-18 x 1/2 SHCS's are used to mount the load cell to the spine box.

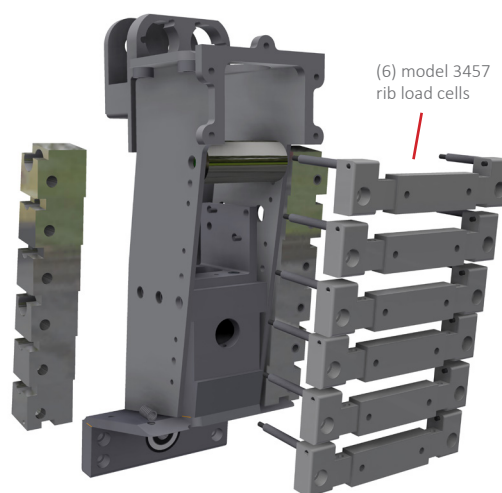


Figure 2- #5007 spine box for assembling the model 3457 rib load cells. Left and right side rib plates are mounted to each side to the rear of the spine box using one 5/16-18 X 1 LG. SHCS (9000547-FT) and four #8-32 X 1/2 LG. SHCS (9000516-FT).

Figure 3- #5007 spine box and model 3457 rib load cells shown. The 78051-78I-DN adapter assembly can mount to the spine box to allow the 1911 thoracic load cell to be used.