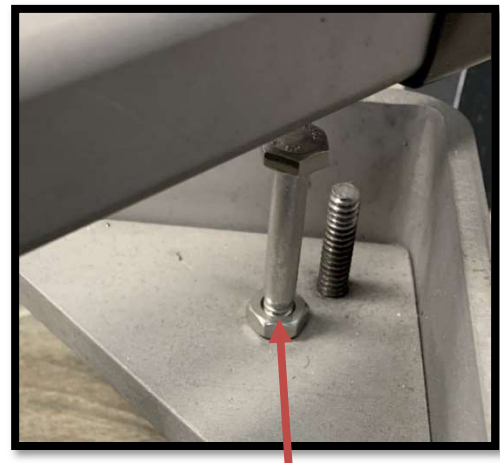
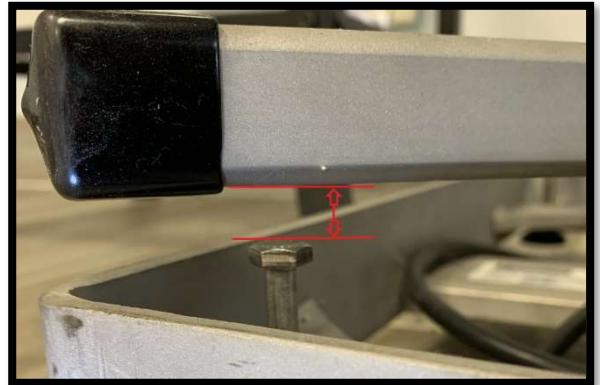
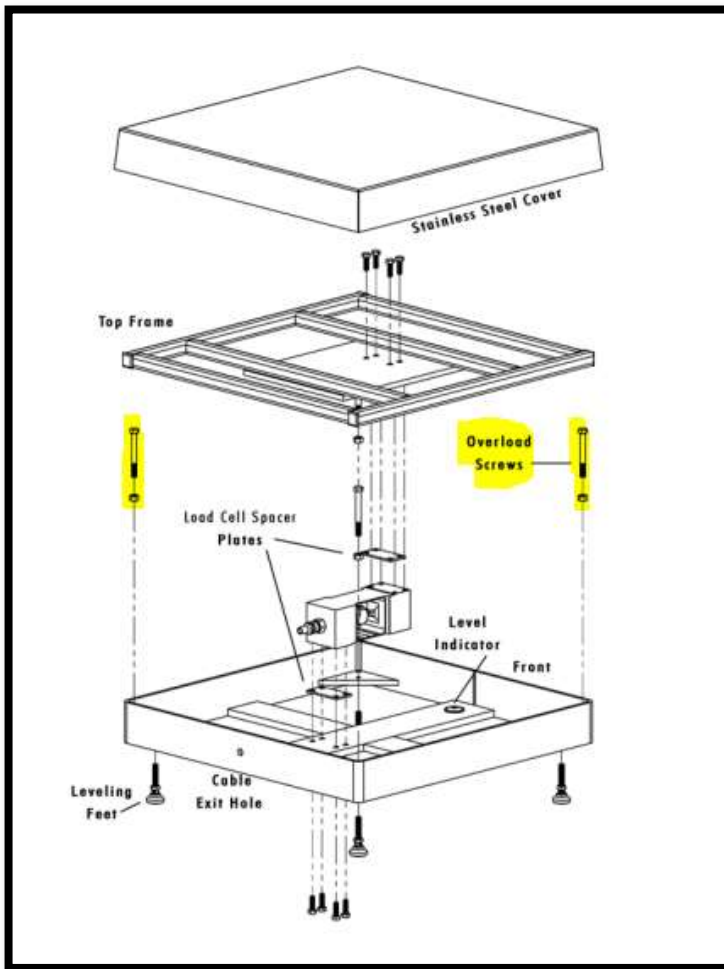


TECHNICAL NOTE

Setting Overload and Corner Stops for Bench Scales

Adjusting the Corner Overload Stops:

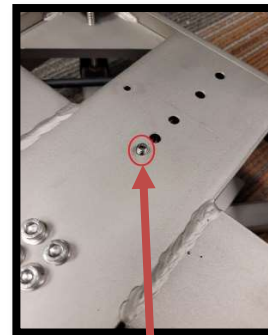
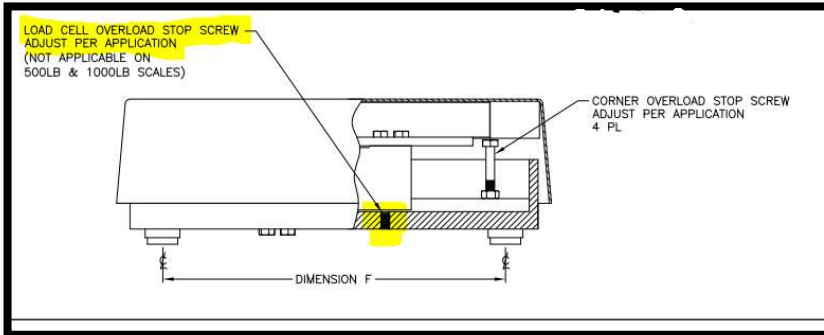
There is a bolt in each of the 4 corners of the frame that is fully engaged for shipping protection. Upon commissioning, the screw should be adjusted so that it does not interfere with the load cell deflection with the full capacity placed on the scale.



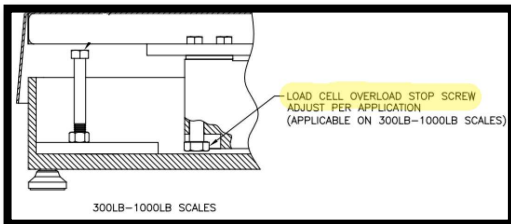
Apply one drop of thread lock sealant here

Adjusting Overload Stop Screws:

Some models will have an Overload Stop Screw below the load cell as shown. The screw should be adjusted so that it does not interfere with the load cell deflection with the full capacity placed on the scale.



BOTTOM OF FRAME:
EXAMPLE OF A FRAME
OVERLOAD STOP



CUTAWAY: EXAMPLE OF A LOAD
CELL INTEGRATED OVERLOAD
STOP

EXAMPLE LOAD CELL DEFLECTIONS IN MM

Single Point Load Cells		Deflection at Maximum Capacity (mm)									
Max Cap		HI SP1	HI SP6	HI SPB1	HI SPA22	HI SPA42	HI SPA60	HI 1040	HI 1140	HI 1240	HI 1250
kg	lbs										
5	11				0.90	0.56		0.40			
7	15							0.40			
7.5	17	0.81									
10	22	0.72	0.17		0.60	0.46		0.40			
15	33	0.18						0.40	0.40		
20	44		0.22		0.41			0.40			
30	66	0.26			0.43	0.39	0.46	0.40	0.40		
40	89				0.36						
50	110	0.36	0.22	0.22		0.37	0.49	0.40	0.40		0.40
75	165								0.40		0.40
100	220	0.38	0.22	0.20		0.39	0.45	0.40	0.40		0.40
150	331								0.40		0.40
200	441	0.35	0.25			0.48	0.38			0.40	0.40
250	551			0.10						0.40	0.40
300	661						0.30				0.40
500	1,102			0.14			0.44				0.40
635	1,400										0.40
750	1,653						0.50				
1000	2,205			0.18							0.40