

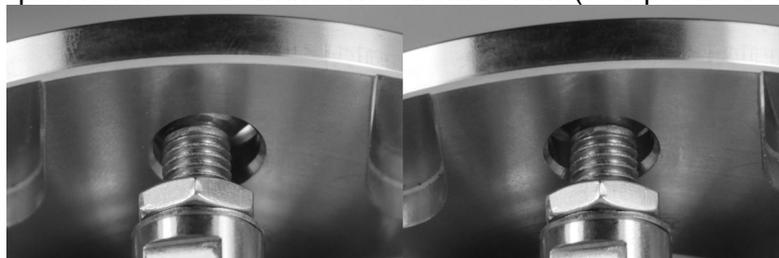


Unpack your Accupoint and inspect to ensure no damage has occurred in transit, take special note of the cable which may be more easily damaged. If it has been necessary to remove or install the load cell into the Accupoint then the uplift screws must be reset in accordance with Appendix A below.

The Accupoint Static must be correctly installed for best results. Where multiple Accupoints are fitted to one vessel care must be taken with regards relative placement. The Accupoint has uplift restraint but if not correctly installed interference can result and accuracy is reduced.

The slots for the mounting bolts and clearance of the top plate on the load cell button allow for a small amount of adjustment, following the steps below should correctly install the Accupoint.

1. Position each Accupoint to be fitted to the vessel and loosely fix in place. Ensure that the base plate to which the Accupoint attaches is flat and free from burrs, lumps or debris.
2. Check that the top plate of the Accupoint is parallel to the bottom plate with no more variation than 1mm when measuring the height at various points around the circumference. The top plate can rock and self align but if it tilts too far the head of the uplift screws will come into contact with the vessel mounting plate and cause errors.
3. Check that the top plate is not pushed up against the side of the load cell loading button. A cup sits over this button and should be set so that there is movement.
4. Check that the top plate is not rotated so that the uplift bolts may touch the top plate, visually check by observing the position of the clearance hole from below. (See picture below.)



Incorrect

Correct

5. Tighten the fixing bolts to secure the Accupoints in position.
6. Lay the cable and fix in position so that it is not exposed to damage, connecting the cables together in a junction box as required. It is recommended that a sealed junction box with glands sealing the cable is used to prevent the possibility of any moisture which could lead to drifting or instability.

## Appendix A

If it is necessary to reassemble the Accupoint after servicing then the uplift screws will need to be set in the correct position. This can be straight forward but requires a set of calipers and a spacing block more than 2.5mm high because standard calipers will not measure to the recessed screw head. If calipers or a micrometer with a post on one anvil are used then the spacing block will not be required. Any convenient item such as a nut or column can be used as the spacing block.

1. Measure the spacing block first and add this length to the screw head height from the table below.
2. Fit the lock nut and locking washer to the screw and fit to the threaded column. Adjust the screw height until the height with spacer measures the value calculated in 1. above.
3. Remove the calipers and spacer, hold the screw in position with an allen (hex) key so it cannot rotate and tighten the locking nut. Recheck the height and proceed to the next screw.

<b>Capacity</b>	<b>Screw Height</b>	<b>Height with Spacer</b>
100kg ~ 2500kg	43 ~ 43.5mm	
5t ~ 10t	63 ~ 63.5mm	
25t	88 ~ 88.5mm	
50t	110 ~ 110.5mm	

