



## API 14.665 SSC Mount Type 2 Assembly

Product Support.

The PT SSC mounts type 2 are sometimes required to be disassembled and reassembled, to remove a load cell during construction, to replace a load cell or to insert a load cell when the mount was purchased independently.

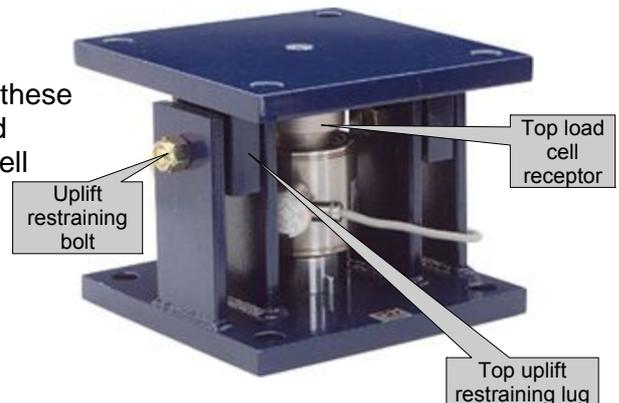
The mount comprises a link to resist horizontal forces in the direction of the link and is free to move a small amount in a direction at 90 degrees to the link. The link is factory adjusted to match each mount and should not require on site adjustment.

There are two uplift restraints comprising a restrained bolt passing through an oversize hole. It is important that upon assembly and installation the opposing sides of the restraint do not touch and that the bolt is positioned clear of the sides of the over sized hole.

### Disassembly:

Remove the 2 uplift restraining bolts, lift the top plate and remove the load cell. During reassembly it is important that these bolts are inserted from the outside. (Should they be inserted from the inside it will be necessary to remove the top load cell receptor first.)

Lift the top plate a small amount and remove the load cell.



### Assembly:

- Attach the top load cell receptor to the top plate and tighten the countersunk screw.
- Insert the link into the upper and lower fingers, passing the bolts (5/8" x 2 1/2", approx. 15.88 x 63.5mm) through the eyes from the outside. Fit the self locking nuts and tighten until firm, do not tighten such that the fingers holding the link are crushed inwards.
- Lift the top plate and insert the SSC load cell. The lower receptor is located inside the 3 pins in the base.
- Insert the uplift restraining bolts (5/8" x 3", approx. 15.88 x 76.2mm) from the outside, fit the self locking nut and tighten until there is no longitudinal movement of the bolt. Do not tighten such that the fingers holding the bolt are crushed inwards.
- Check that the load cell is vertical and that the top uplift restraining lug is clear of the uplift restraining bolt side plates and clear of the bolt inside. There should be slight movement possible in one direction.
- If the load cell is not sitting vertically then it may be necessary to adjust the restraining link, see below.

### Adjustment of the link:

The link is factory adjusted with an assembly tool to ensure that the top load cell receptor is aligned above the load cell base block restraining pins and so that the load cell will be positioned vertically with the uplift restraining bolts central in their clearance holes. If the link is not the one initially supplied in the mount readjustment may be necessary. If the assembly tool is not available the link should be adjusted by screwing one side in or out ½ a turn at a time, locking the final position with the lock nut, until the load cell is vertical. Be sure to check that the uplift restraining bolts do not contact the upper lug.