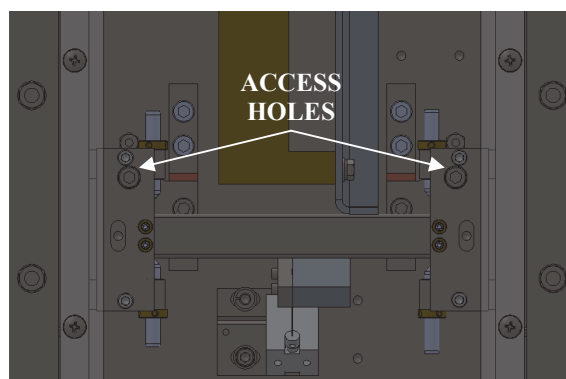
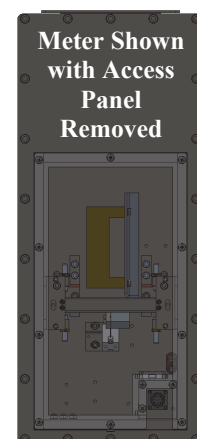


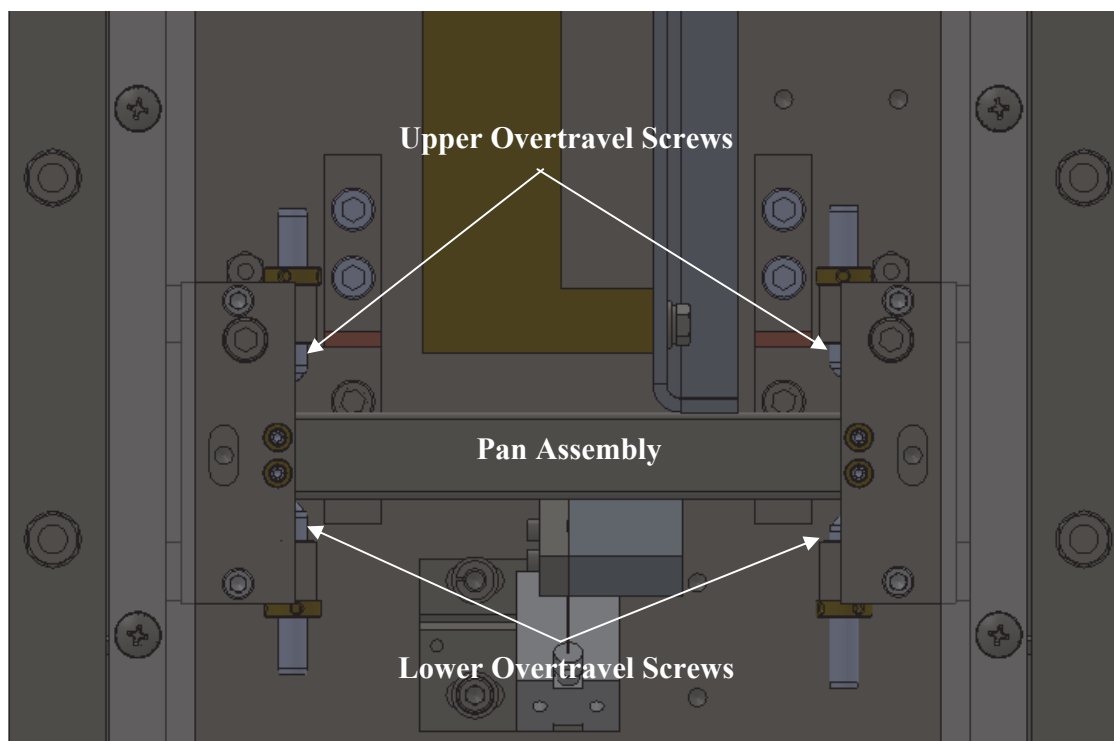
Replacing a Welded Pan Assembly on the CFL Meter

BEFORE YOU BEGIN: *The Low Flow CentriFlow® Meter (CFL) is configured for a quick pan change out. Eastern Instruments highly recommends that a factory technician perform the change out of the pan, however, the customer may do so at their own discretion. If the pan is not changed by a factory technician, the factory warranties may be voided and the performance of the meter may be unduly affected if not performed correctly.*

1. Remove the access panel on the rear of the meter module to expose the inside of the casing area.
2. Make sure to re-install the shipping locks to protect your load cell from damage during the pan replacement procedure. Please see the "Shipping Locks" section of your CentriFlow CFL Mechanical Manual for additional information regarding the reinstallation of the shipping locks.
3. If the meter is difficult to reach while installed in the process, uninstall it from the process and secure it to a table.
4. Loosen the bolts that attach the pan to the meter. The bolts have 1/4 - 20 threads and can be loosened using a 1/4" Hex Key. The screws can be accessed through two access holes as per the drawing to the right. **NOTE: Be sure not to put excess pressure on the arms from the side. You could damage your flexures with too much force.**
5. With the bolts removed, the pan should be removed from the meter enclosure.
6. Install the new pan. Gently insert the pan arms through the silicone rubber boots (seals), and seat the ends in the counter-bores (recesses) in the mount. **NOTE: Start the screws in each of the arms before tightening either of the screws completely and continue to tighten each a few turns before moving to the other screw until both sides are tightened completely.**
7. If the meter was removed from the process, reinstall the meter.



8. Remove the shipping locks. *NOTE: You should now check for proper balance of the pan. If the new pan varies significantly in weight from the previous pan, the balance may require adjustment.*
9. Check for proper balance by looking at the Overtravel Screws as depicted in the illustration below. The Pan Assembly should be hovering between the upper and lower Overtravel screws nearly in the center and should never be touching the Overtravel screws.
10. With the meter installed, use a 0.010" shim (brown shim) to check the spacing between your Overtravel screws and the Pan Assembly. Slip the shim in between the upper Overtravel screw and the Pan Assembly. You should feel a slight resistance, but you should not have to force the shim into place. Once completed, remove the shim.
11. Repeat the last step for both Upper Overtravels and both Lower Overtravels.
12. If the shim slides easily into place between the Overtravel screws and the pan assembly in all four locations, the pan is balanced. Please proceed to step number 13. If the weight of the new pan has shifted the balance of the meter, and the shim does not easily slide into place between the Overtravel screws and the pan assembly, the pan is no longer balanced. You will need to adjust the positioning of the Overtravels and will need to reset the loadcell. Please call Eastern Instruments for further instructions on these procedures.
13. Perform a Zero, Static Calibration, and Site Calibration on the meter.



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