



OILCO Spring Balance Adjustment Procedure Models 640, 641 & 645 Assemblies

General Precautions:

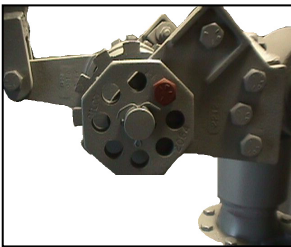
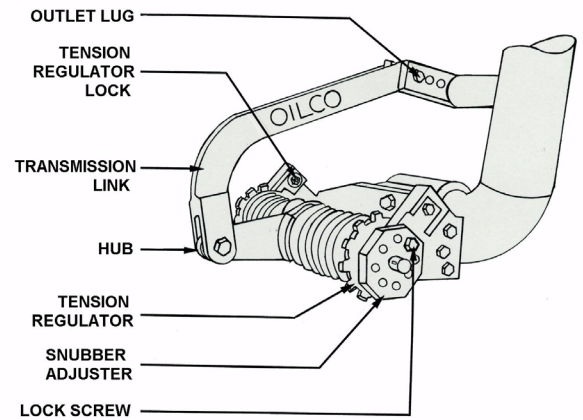
All OILCO spring balance assemblies are manufactured with spring covers for added safety to the operator. *(For illustration purposes, the covers have been removed)*

Springs are under high tension. To avoid personal injury or damage to the unit observe the following:

Block loader in a parked (up) position before attempting adjustment on the torsion springs.

Hold snubber adjuster and tension regulator with a wrench while removing and tightening bolts.

Spring balance adjustment is a two man operation, *do not attempt this alone.*



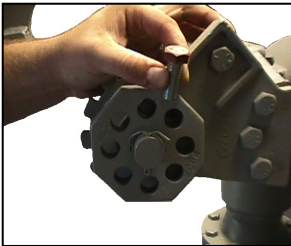
Single Spring (Model 641):

The snubber spring is tightened by rotating the snubber adjuster on the single unit, counter clock-wise

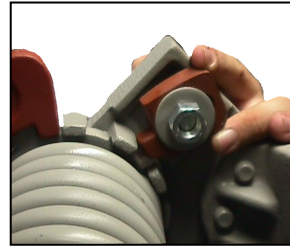
Double Spring (Model 640 & 645):

The snubber springs are tightened by rotating the snubber adjuster clockwise

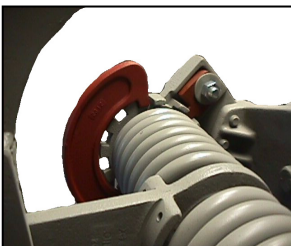
NOTE: *Turning the snubber in the wrong direction will destroy the spring*



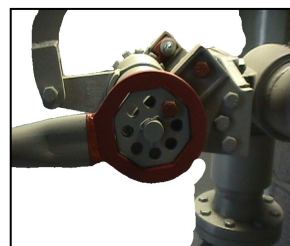
STEP 1: Remove the snubber adjuster lock screw and carefully remove the tension from the snubber spring by allowing the snubber adjuster to unwind to a relaxed position.



STEP 3: Check the return action of the loader and continue adjustment until the proper balance is obtained. (A half notch adjustment can be made by removing the nut and washer and reversing the tension regulator lock.)



STEP 2: Loosen the tension regulator lock. It is not necessary to remove the bolt completely. Increase or decrease the spring tension as desired. And then tighten lock securely.



STEP 4: Increase tension on the snubber adjuster one hole at a time until the snubber absorbs the return momentum of the loader, and the unit parks itself at the necessary angle. Tighten bolt and arm is ready for use.

Double Spring Units

Both torsion springs must be changed equally with adjustment

Four Spring Units

Begin with the bottom springs and change all torsion springs equally with each adjustment