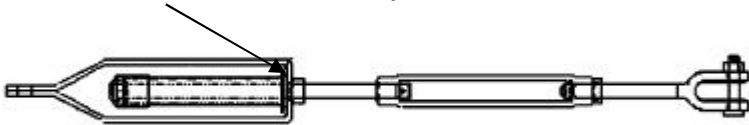


## Horizon HLL Energy Absorber Tension Indicator Washer

The Horizon HLL energy absorber includes a red washer that will rotate freely until the horizontal lifeline maximum tension is reached. The washer is located inside the frame of the energy absorber where the tube meets the frame as shown below.

Red Washer Must Rotate Freely



In the instruction manual, it is stated that proper tension is achieved when the washer will no longer rotate. However, on the label of the unit, the instructions are to tighten the turnbuckle until the washer will no longer rotate and then back it off  $\frac{1}{4}$  turn and the washer must rotate.

The best method is according to that printed on the product label – that is, to tighten the turnbuckle until the washer just catches and will not rotate, then back off approximately  $\frac{1}{4}$  turn so the washer just begins to rotate again. This will ensure that the HLL is not over-tensioned.

This will also affect inspections of the HLL. The pre-use inspection should ensure that the washer turns freely and if not, the turnbuckle should be backed-off until the washer just starts to turn. The formal inspection at no more than 6 month intervals should repeat the installation procedure of tightening the turnbuckle until the washer just stops rotating and then back off  $\frac{1}{4}$  turn so that it just starts to rotate again. After any adjustment of the turnbuckle, the locknut must be retightened as well.