IDEA-FILE #991119

"SHOCK STOP" TO THE RESCUE

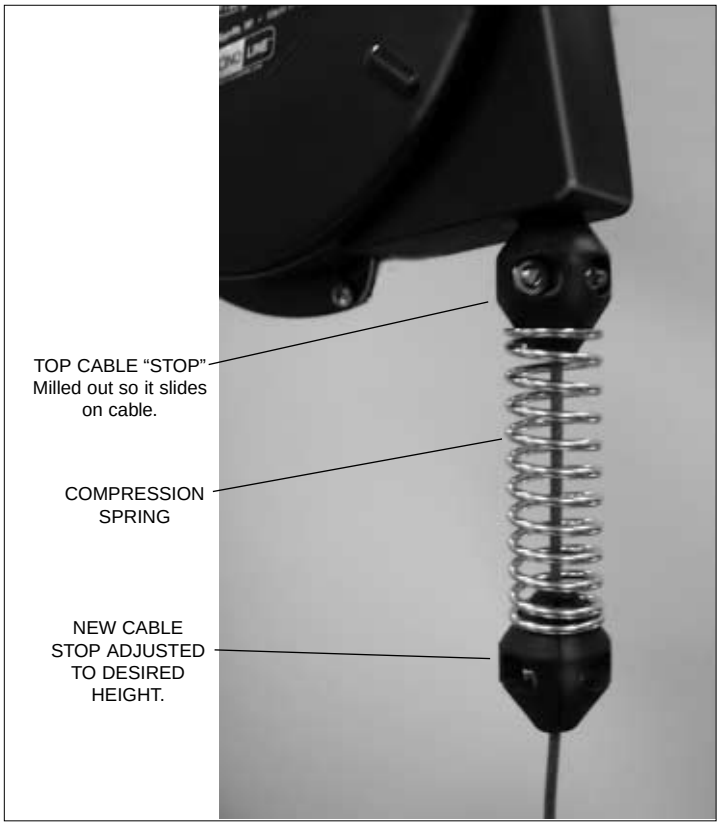
PREVENTS CABLE DAMAGE ON "OVER-POWERED" BALANCERS

Cable breakage on tool balancers is extremely rare because of the tough, extremely durable nylon coated steel aircraft cable used. On most failure reports we receive, the cable breaks at the eye or, more precisely, just above the clip that is swaged around the cable to form the eye. Two of the primary causes of cable failure on Series BG balance reels are better classified as user error…(1) overtensioning the spring, and (2) allowing the tool to "slam" back into the balancer from a fully extended or near fully extended position. In most reported cases, both of the these conditions are present.

The result of this "overtensioned slamming" is that the cable stop is slowly pushed down the cable until it is against the eye and can go no farther. Then, every time the tool is returned to the raised position the cable stop hits against the reel housing but the tool tries to keep moving, causing the cable to bend at the point between the stop and the eye. Bend any cable in the same place enough times and it will fatigue and break.

The most obvious way to prevent this type of cable damage is better customer education. With a product as simple to use as a balancer, however, this isn't always easy. The customer buys the balancer, hangs it and a variety of people use and adjust it.

Now there is a mechanical means of minimizing this type of cable damage. We call it the ***"Shock Stop"***. It consists of a new fixed stop, a compression spring and a second cable stop which has been milled out so it can't grip the cable and thus slides easily. The kit is easily installed by removing the existing stop, threading the eye through the spring, and installing the two new stops with the "slider" on top.



Shock Stop can be used on any model Series BG balancer. It is not needed on the smaller Series BD balancers.

DESCRIPTION	MODEL NO
Shock Stop for tool balancers	BG-SH

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Workplace Solutions

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