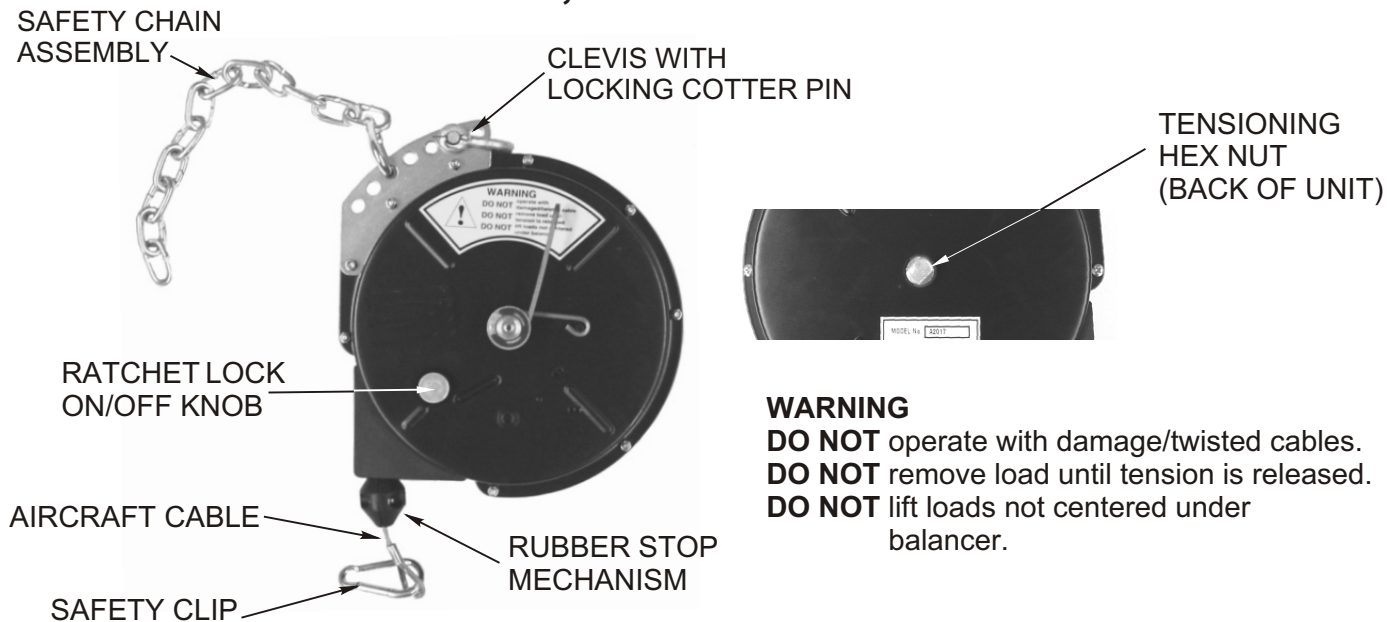


## SERIES BA, DBA BALANCERS



**WARNING**  
**DO NOT** operate with damage/twisted cables.  
**DO NOT** remove load until tension is released.  
**DO NOT** lift loads not centered under balancer.

**NOTE:**  
 If balancer is attached to a Car-Mon platform, it should be mounted directly above the tubing assembly so the cable hangs as perpendicular as possible during use, minimizing wear on the cable and cable guide.

### INSTALLATION

1. Hang the balancer on the Car-Mon platform (if provided) or directly above the work area attaching it with the clevis pin. The safety chain should be attached to a secure overhead bracket and to the hangar bracket. **CAUTION! DO NOT use the same attachment point as the clevis.** (If a Car-Mon mounting platform is provided, there may be a second eye bolt attachment for the safety chain.)
2. When the balancer is secure, raise the tubing assembly and/or tubing sling to the safety clip and attach it making sure it is secure. **DO NOT pull the cable down from the balancer to attach to the tube assembly-damage or injury could result.** If balancer tips to an angle after tubing is attached, try mounting the clevis in a different hole on the bracket of the balancer. Make sure to replace the cotter pin.

### HEIGHT ADJUSTMENT

1. For proper height adjustment, tubing assembly must be attached. If necessary, a small extension cable may be used between the balancer and the tubing assembly to adjust the height of hanging assembly. By adding this extension you will decrease the amount of tension on the balancer when it is pulled down, making the tubing easier to handle and extending the life of the balancer spring

#### IF TUBING ASSEMBLY HANGS TOO LOW:

Turn ratchet lock to "off" position and increase tension by turning shaft counterclockwise with a wrench until tube assembly is raised to desired height.

(Height adjustment continued next page)

### HEIGHT ADJUSTMENT-CONTINUED

#### IF TUBE HANGS TOO HIGH:

Turn ratchet lock to "off" position and decrease tension, by following these steps:

1. Place wrench on flats of shaft to hold shaft position.
2. While holding shaft firmly with wrench, depress spring coil on opposite side of balancer.  
**CAUTION! As tension is reduced tube will fall away from balancer.**
3. Allow shaft to turn SLOWLY in clockwise direction until tubing is lowered to desired working height.  
**CAUTION! Do not allow the spring to unwind in an uncontrolled manner!** This can result in damage to the balancer or personal injury.

### RATCHET LOCK USE

Engage the ratchet lock by pulling cable out to desired position and letting it retract until lock engages. To disengage the lock, pull cable out slightly - it operates like a window shade.

FOR CONSTANT TENSION USE, the ratchet lock may be turned off by turning the on/off knob (located on the spring side) counterclockwise. If ratchet lock is properly turned off, the "clicking" of the ratchet will no longer be present during use. To insure that the knob is turned completely off, it may be necessary to first pull out some cable and then turn the knob as you allow it to rewind, firmly holding the cable so that it does not rewind in an uncontrolled manner.

### MAINTENANCE

No regular scheduled maintenance is required, but in the interest of safety, the cable and hanger bracket should be checked periodically for wear. If wear is detected, replacement parts should be ordered and replaced immediately.

#### LUBRICATION

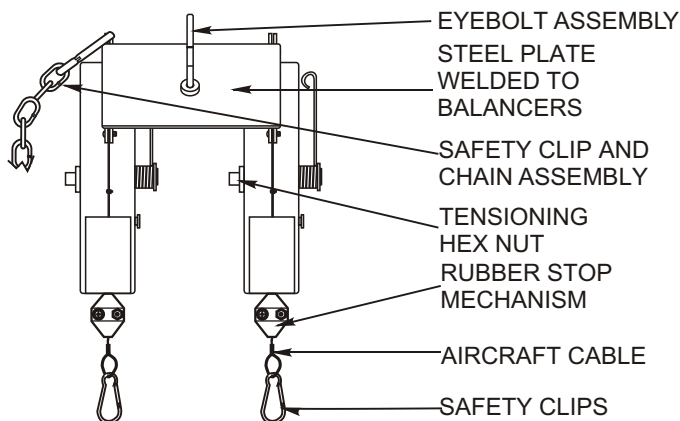
Balancer is factory lubricated for lifetime of unit-no additional lubrication required.

#### SPRING, CABLE, AND RATCHET ASSEMBLY.

Unit should be sent to factory for authorized repair. Please call and obtain a return goods authorization, and send unit prepaid according to directions on RGA.

### WARRANTY

Units are warrantied for 1 year from date of shipment. Warranty is provided by equipment manufacturer and is subject to their terms. Any determination of warranty shall be made by the manufacturer, and not by Car-Mon Products.



#### DUAL BALANCER ASSEMBLY

For dual balancer, follow instructions of single. When attaching to tubing to balancer, use both safety clips attached to tubing at same point.

If adjustment is necessary, both balancers must be adjusted the same.