INSTALLATION & MAINTENANCE INSTRUCTIONS
Series BG/EG Tool Balancers

INSTALLATION
NOTE: To minimize wear on cable and cable guide, reel should be mounted directly over work area and, preferably, on a rolling trolley so that cable is pulled out as straight as possible during use. Keep a minimum of 6 inches between ball stop and swedge.

MOUNT REEL
1. Use clevis to hang reel in desired location. Be sure cotter pin is installed on clevis pin.
2. Attach optional safety chain to secondary hanger bracket or other overhead support. Do not use the same attachment point as used for the clevis. See Figure 1.

To prevent reel fall should primary clevis mount fail, it is recommended that a safety chain be used from reel to a secure secondary support. Failure to use safety chain could result in personal injury.

CAUTION
Always raise load to safety clip on cable reel. DO NOT pull reel cable down to load. Doing so can result in damage to reel or personal injury.

ATTACHING LOAD
For most effective use of reel, tool (Figure 2) should be positioned at top of working range with no cable pulled off reel. Use overhang cables to achieve proper distance from reel to tool. Cable on reel should be used only to move tool within working range.

To attach load (all components hung on reel), raise load to safety clip and attach. DO NOT pull cable down to load.

CAUTION
DO NOT pull reel cable down to load. Doing so can result in damage to reel or personal injury.

DECREASE TENSION if load cannot easily be pulled down to desired height.
1. If reel is so equipped, turn ratchet lock to “OFF” (knob is located on side of reel).
2. Place wrench on flats of shaft.
3. Hold shaft firmly with wrench. Depress spring on opposite side of reel.
4. Allow shaft to turn SLOWLY in clockwise direction until desired tension is achieved. If shaft will not turn in clockwise direction UNASSISTED, reel is at minimum tension and further tension reduction should not be attempted.

RATCHET LOCK USE
If reel is equipped with ratchet lock (“-L” models), engage by pulling cable out to desired position and letting it retract SLOWLY until lock engages. To release lock, quickly pull cable out a short distance and allow it to begin to retract—it operates like a window shade. Ratchet lock may be disengaged by turning knob on side of reel.

REGULAR MAINTENANCE
1. Reel is factory lubricated for life. No additional lubrication is required.
2. Periodically check cable for wear. If wear is detected, cable should be replaced immediately. If cable replacement is required, order cable Assembly, Kit No. 5, which contains cable and related parts, hardware and instructions. See Parts List (inside) for details.

SPRING REPLACEMENT
Spring motors are self-contained for safe and easy handling. If spring motor replacement is required, it should be replaced as a unit by ordering Spring Motor Assembly, Kit No. 1, which contains the spring motor, spool, shaft & bushings in a sealed canister. See Parts List (inside) for details.

RATCHET LOCK REPLACEMENT
For your convenience, the ratchet lock assembly has been included in two separate replacement kits. Order either the Hardware Package, Kit No. 7, or the RH Housing Assembly, Kit No. 2. See Parts List (inside) for details.

DANGER
DO NOT attempt to remove spring motor from its canister. Doing so can result in damage to reel or personal injury.

TENSION ADJUSTMENT
INCREASE TENSION if reel will not completely rewind cable with load attached until cable stop reaches guide.
1. Allow cable to retract as far as possible.
2. Place wrench on flats of shaft. Turn shaft counter-clockwise until cable stop reaches guide.

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**NOTE:**
*When ordering Right Hand Housing Assembly (REF NO. 2) for LOCKING MODELS, you must add "–L" to the kit number. *EXAMPLE: BG07-K02-L or EG07-K02-L

Ratchet lock assembly will ship *attached* to housing half. Housing half only is supplied if "–L" is not added to model number.

### BG/EG BALANCE REEL REPLACEMENT PARTS KITS

#### BG BALANCER SERIES

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**KIT DESCRIPTION**

- **SPRING MOTOR ASSY:** Spring Motor, Spool, Shaft & Bushings in sealed canister
- **RH HOUSING ASSY:** RH Housing Half, Ratchet Lock ASSY (Ratchet lock ASSY on "–L" models only. Add –L to kit number)*
- **LH HOUSING ASSY:** LH Housing Half, Nameplate
- **CABLE GUIDE:**
- **CABLE ASSY:** Cable, Safety Clip, Lockwasher-M4, Hex Nut-M4
- **HANGING BRACKET ASSY:** Hanging Bracket, Clevis, Clevis Pin, Cotter Pin, Slotted Machine Screw M4 x 14mm (3), Lockwasher-M4 (3), Hex Nut-M4 (3)
- **HARDWARE PACKAGE:** Spacer, Torsion Spring, Slotted Machine Screw M4 x 14mm (3), Slotted Machine Screw M4 x 8mm (6), Lockwasher-M4 (10), Hex Nut-M4 (10), Retaining Ring (5), Shim, Extension Spring, and Ratchet Lock Assembly

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