

## BH-85 - BH-140 Balancers

1. Remove load from balancer and remove balancer from its support and place on a work surface.
2. Ensure the drum lock mechanism is engaged.
3. Release all tension from the spring motor by fully loosening and removing the worm gear.
4. Un-install the 8 stop pins from the perimeter of the case by removing the setscrews that retain them.
5. Lift and turn the drum lock lever mechanism to dis-engage.
6. Remove the 4 screws from the perimeter of the case to separate the housing halves.
7. Tap the end of the main shaft (with a non-metallic hammer) to remove it.
8. Remove the 3 screws from the perimeter of the spring to remove the spring cover

**!! Exercise extreme caution as to not allow the spring to become free from the canister !!**



9. Lift the drum and spring sub-assembly out of the case and separate them.

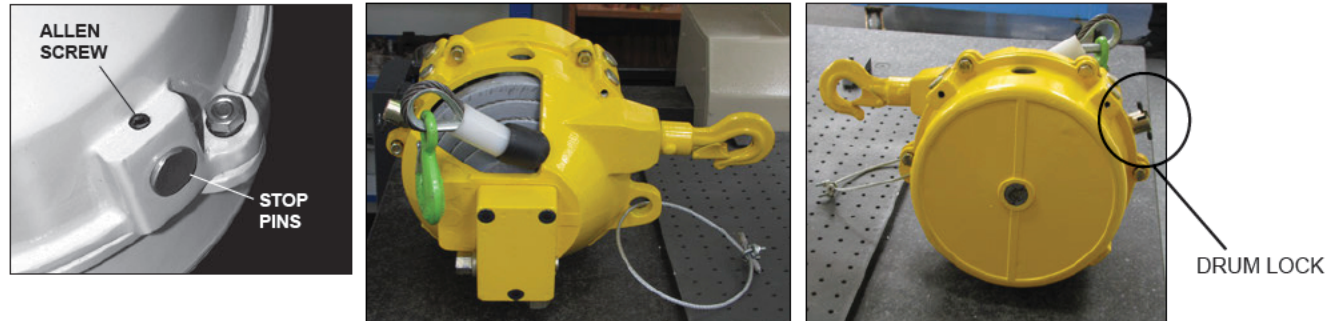
**!! Take note of the alignment of the spring end curl and the detent in the housing !!**

10. Re-assemble unit in reverse order.

**Important tip: After re-assembly of unit turn worm to pull cable onto drum !! Continue to turn worm approx. 95-100 times to re-tension unit then re-install the 8 stop pins into their place around the case !!**



## BH Balancer Replacement Parts Instructions



### REPLACEMENT PARTS

TYPE	P/N	MODEL #	DESCRIPTION
BH	GR62428105	BH85-SPG	SPRING FOR BH-85
	GR62428305	BH100-SPG	SPRING FOR BH-100
	GR62428505	BH120-SPG	SPRING FOR BH-120
	GR62428605	BH140-SPG	SPRING FOR BH-140
	GR62428104	BH85140-DRM	DRUM W/CABLE FOR BH-85 THRU BH-140



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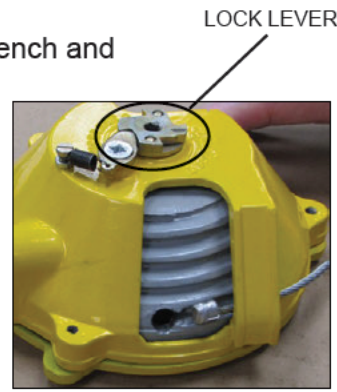
## BH-02 - BH-05 BALANCERS

1. Remove load from balancer and remove balancer from its support and place on a work surface.
2. Release all tension from the spring motor by a combination of turning an Allen wrench and depressing the lock lever.

**!! Exercise extreme caution when doing so as the spring tension will cause 'quick-spin' of the wrench and will likely cause injury !!**

3. After all tension is released turn drum to expose cable end through side of case.
4. Remove the setscrew anchor that retains the cable end.
5. Remove cable end from drum.
6. Simultaneously rotate drum and maneuver cable end to free it from the confines of the case.
7. Flip balancer over and remove the 3 screws to lift off the case cover and expose the drum.
8. Lift drum (w/ spring) up and out of the case
9. Re-assemble in the reverse order.

**Important tip: Lower drum (w/ spring) onto shaft ensuring the spring end tab fits into the slot of the shaft by inserting a screwdriver to manipulate !!**



### REPLACEMENT PARTS

TYPE	P/N	MODEL #	DESCRIPTION
BH	GR62426605	BH02-SPG	SPRING W/DRUM FOR BH-02
	GR62426705	BH03-SPG	SPRING W/DRUM FOR BH-03
	GR62426805	BH05-SPG	SPRING W/DRUM FOR BH-05
	GR62426603	BH02-CBL	CABLE FOR BH-02
	GR62426703	BH03-CBL	CABLE FOR BH-03
	GR62426803	BH05-CBL	CABLE FOR BH-05

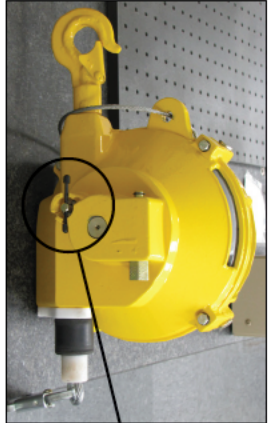
## BH-09 - BH-70 BALANCERS

1. Remove load from balancer and remove balancer from its support and place on a work surface.
2. Ensure the drum lock mechanism is engaged.
3. Release all tension from the spring motor by fully loosening and removing the worm gear.
4. Un-install the 4 stop pins from the perimeter of the case by removing the setscrews that retain them.
5. Lift and turn the drum lock lever mechanism to dis-engage.
6. Manually turn drum to expose the cable end through the opening in the side of the case.
7. Remove the setscrew anchor that retains the cable end.
8. Remove the plastic cable guide at the payout side of case.
9. Manipulate cable end to and through the opening at the bottom of the groove in drum near the cable anchor by a combination of turning the drum and pulling the cable at the payout end.
10. Continue to pull the cable to remove it from the balancer.
11. Disassemble the case by removing the 4 screws around its parameter and pulling it apart.
12. Lift out the drum and spring sub-assembly.
13. Mark one of the bolt-holes on the drum and mark the corresponding bolt-hole of the spring canister, also before separating the two parts be sure to mark the corresponding hole in the canister cover.
14. Pull the drum apart from the spring canister.

**!! Exercise extreme caution as to not allow the spring to become free from the canister !!**

15. Re-assemble unit in reverse order.

**Important tip: Install and re-attach cable to drum before re-installing the tensioner worm gear !!**



DRUM LOCK

### REPLACEMENT PARTS

TYPE	P/N	MODEL #	DESCRIPTION
BH	GR62426905	BH09-SPG	SPRING FOR BH-09
	GR62427005	BH15-SPG	SPRING FOR BH-15
	GR62427105	BH22-SPG	SPRING FOR BH-22
	GR62427205	BH30-SPG	SPRING FOR BH-30
	GR62427405	BH40-SPG	SPRING FOR BH-40
	GR62427605	BH50-SPG	SPRING FOR BH-50
	GR62427805	BH60-SPG	SPRING FOR BH-60
	GR62428005	BH70-SPG	SPRING FOR BH-70
	GR62426903	BH915-CBL	CABLE FOR BH-09 & BH-15
	GR62427103	BH2270-CBL	CABLE FOR BH-22 THRU BH-70
	GR62426904	BH915-DRM	DRUM FOR BH-09 & BH-15
	GR62427104	BH2270-DRM	DRUM FOR BH-22THRU BH-70



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