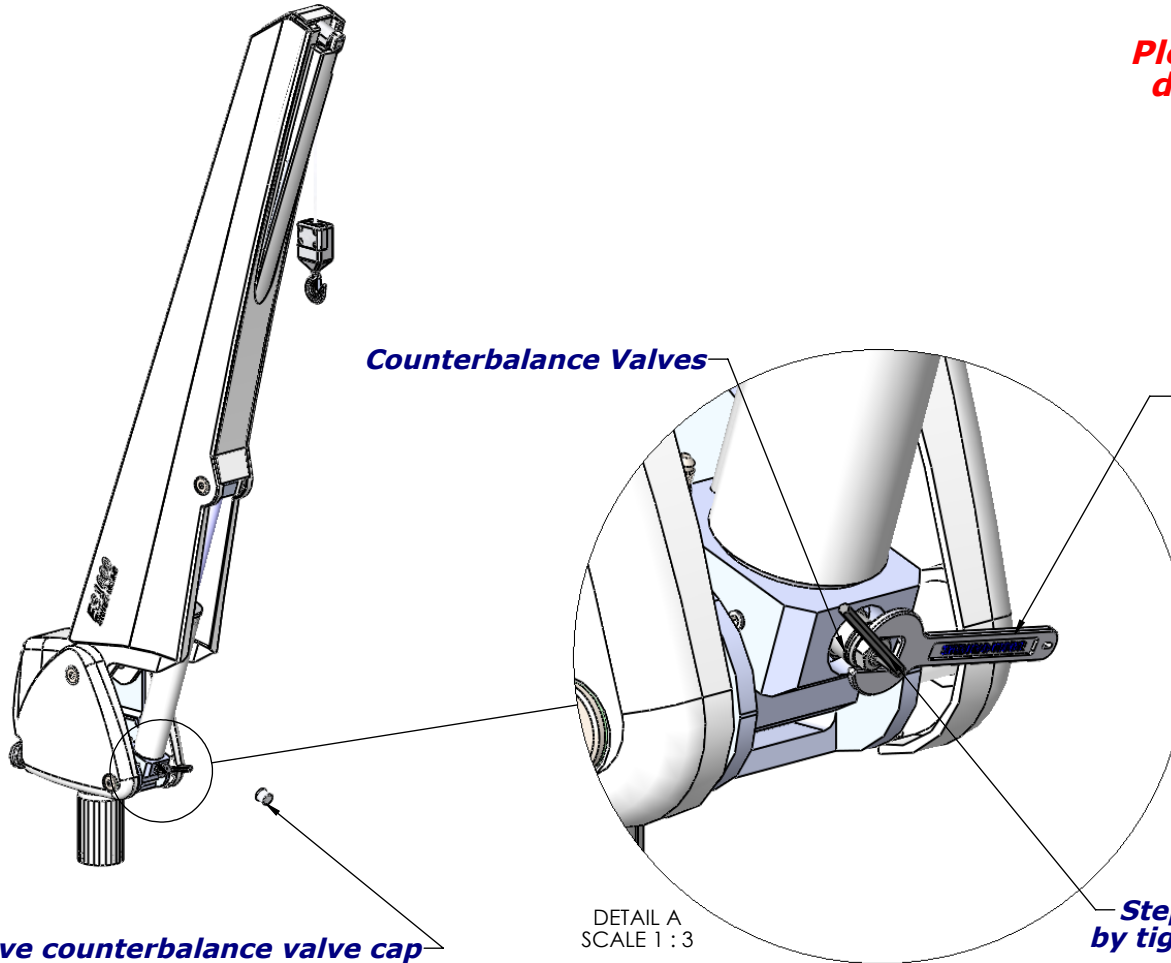


Emergency Luffing Retraction Instructions ES1000/ES1500

**Please follow these instructions to
disable the counterbalance valve
if the boom will not lower**



Counterbalance Valves

**Step2: Now unlock the locking
nut on counterbalance valve
as shown using 9/16" Wrench.**

**Step3: Disable the counterbalance valve
by tightening the bottom screw using 5/32"
Allen Key**

****Warning** Please tighten it slowly
until the boom starts lowering**

Step1: Remove counterbalance valve cap

- Step 4: Carefully guide the boom manually to storage position.**
- Step 5: Enable counterbalance valve again by screwing adjustment screw all the way in, and unscrewing out (2-1/2" turns outward) and tightening the locking nut.**
- Step 6: Contact Service Representative for further assistance**

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**CAD GENERATED DRAWING.
DO NOT MANUALLY UPDATE.
*** DO NOT SCALE ***
UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS ARE IN
INCHES.**

TOLERANCES:
FRACTIONS = ±1/16
0, 0.0 = ±0.030
0.00 = ±0.010
0.000 = ±0.005
ANGLES = ±1.0

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2 - 5367 271 Street, Langley, B.C. Canada
Tel: 604-607-0091 Fax: 604-607-0092
Web: www.steelheadmarine.net
E-mail: sales@steelheadmarine.net

DRAWN:	G.B.	ES1000/ES1500	Luffing Retraction Instructions	
DATE:	26/11/2014			
CHECKED:	G.R.			
APPROVED:				
SCALE:	1:18	DWG. NO.:	ES10-SV012	SHEET:
				1 OF 1
				REV.: