CENTINEL
Barrier Internal Spring Assembly

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SPRING ASSEMBLY

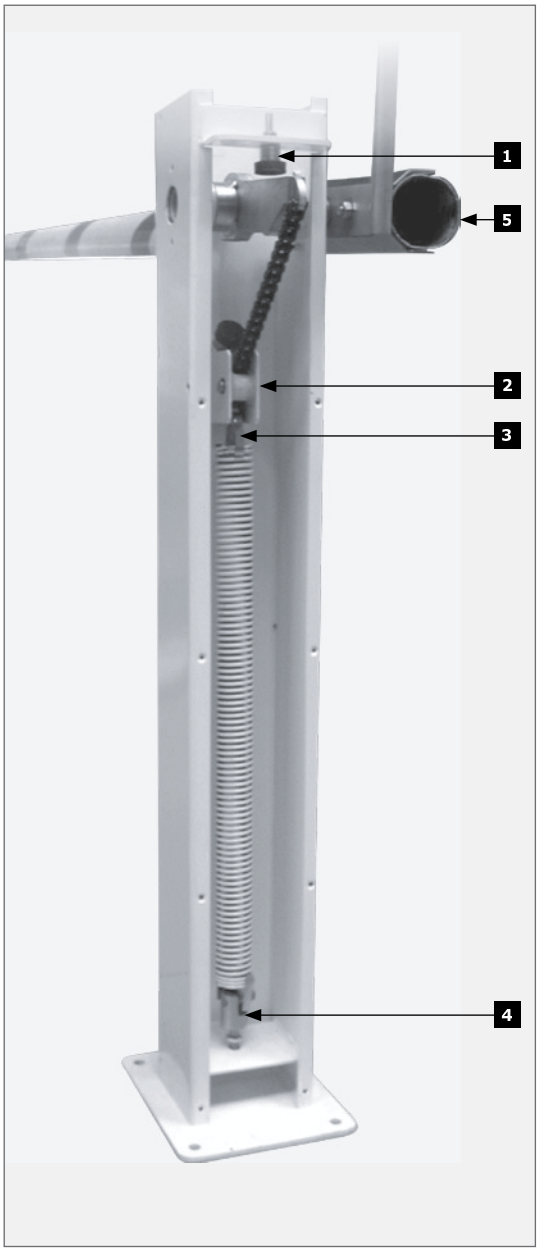

FIGURE 1. CENTINEL BARRIER INTERNAL SPRING ASSEMBLY

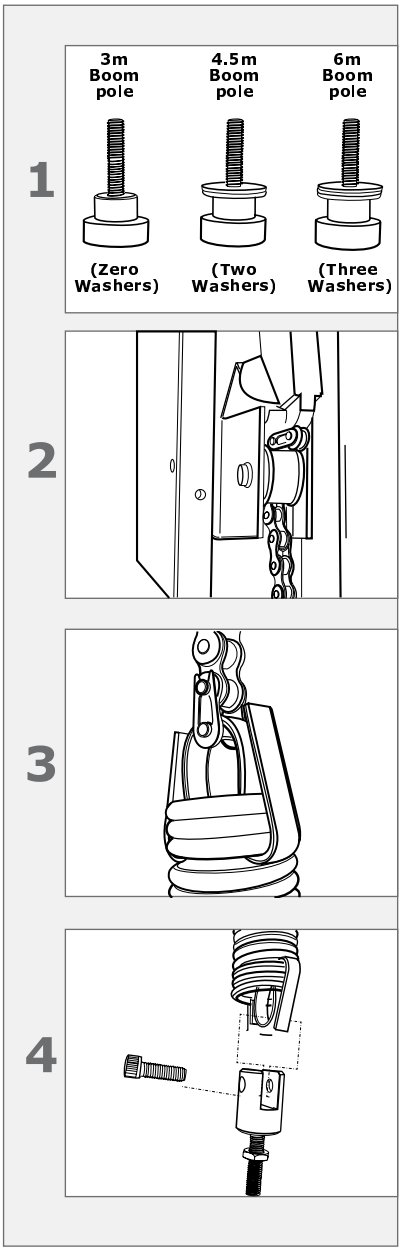

FIGURE 2

Spring Fitment Guide

Boom pole profile	Pole length	Number of springs required	Spring part number
76.2 x 1.27 Aluminium tube = 0.81kg/m	3m	1 (white)	1094100100
76.2 x 1.27 Aluminium tube = 0.81kg/m	4.5m	1 (red)	1094100200
76.2 x 1.27 Aluminium tube = 0.81kg/m	6m	1 (black)	1094100300
76.2 x 1.8 Aluminium tube = 1kg/m	3k	1 (red)	1094100200
76.2 x 1.8 Aluminium tube = 1kg/m	4.5m	1 (black)	1094100300
76.2 x 1.8 Aluminium tube = 1kg/m	6m	2[1] (black)	1094100300
80 x 1.5 Aluminum tube = 1kg/m	3m	1 (red)	1094100200
80 x 1.5 Aluminum tube = 1kg/m	4.5m	1 (black)	1094100300
80 x 1.5 Aluminum tube = 1kg/m	6m	2[1] (black)	1094100300

1. See page 7 for installation procedure

TABLE 1

FITTING THE BOOM POLE

If the boom pole has not been supplied pre-drilled, use the external clamping piece as a template, mark and drill the 10.5 mm holes in the boom pole.
In order for the end cap to fit correctly, there must be a clearance equivalent to the thickness (A) of the end cap, between the end of the boom pole and the clamping piece.

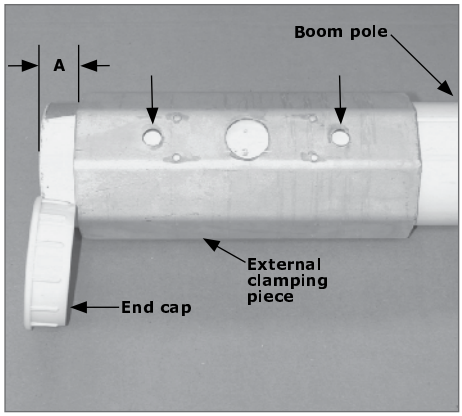

FIGURE 3

Fit the internal clamping piece into the boom pole. The stud must fit through the upper hole.

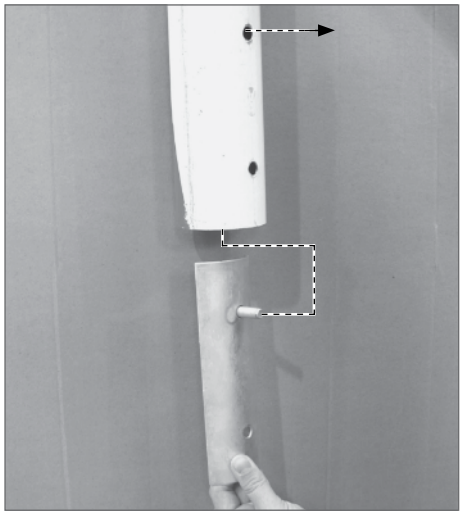

FIGURE 4

Fit the boom pole and internal clamping piece into the external clamp.

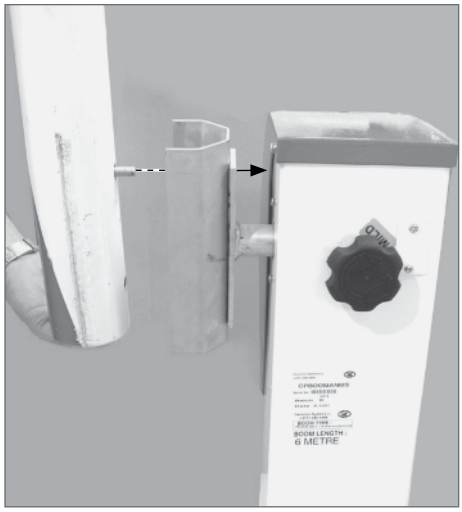

FIGURE 5

Fit the M10 bolt through the boom pole and clamps.

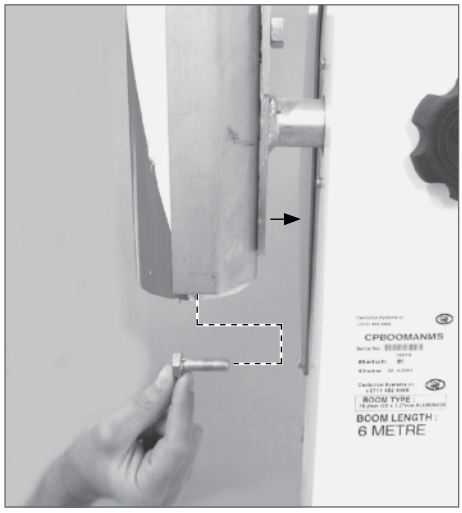

FIGURE 6

Fasten the M10 nuts onto the bolts and tighten. Fit the end cap to the boom pole.

FIGURE 7

Fit the operating handle to the boom using the lower bolt. Fasten the assembly by tightening a second nut onto the bolt.

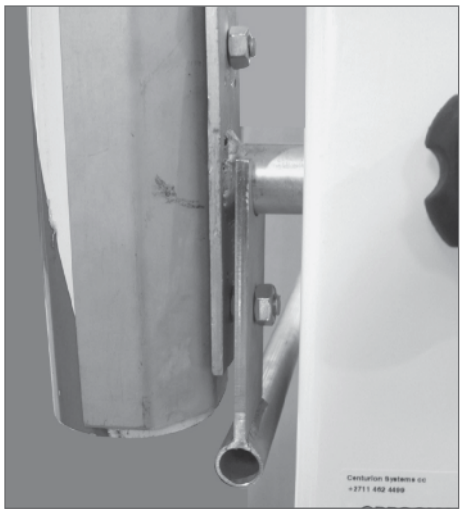

FIGURE 8

Fitting a dual spring to a 6m CENTINEL manual boom assembly for poles that weigh ±1kg/m

The standard South African round boom pole weighs 0.8kg/m and does not require the dual spring with the 6m model

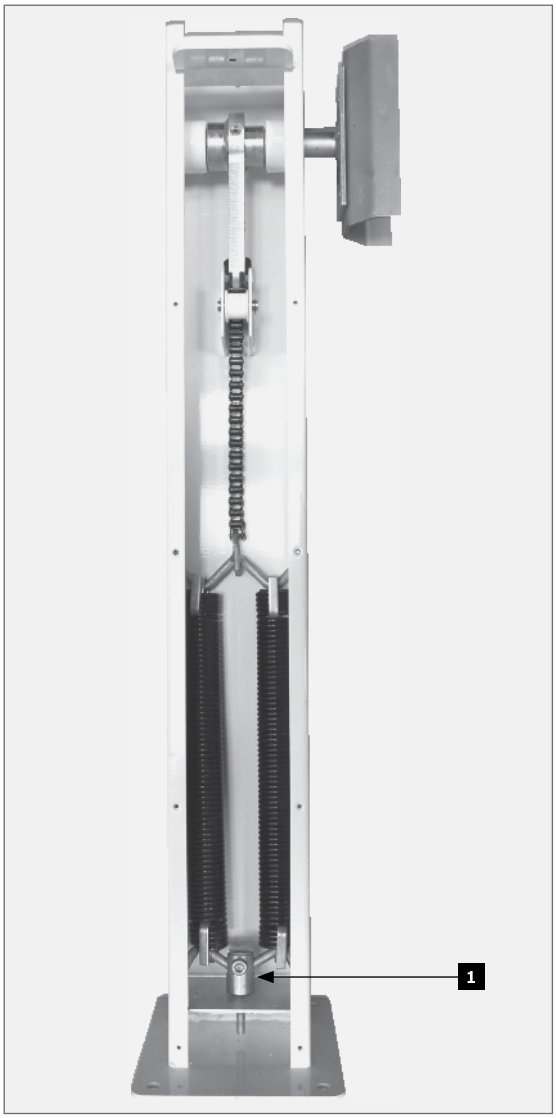

FIGURE 9. FITTING A DUAL SPRING

FIGURE 10

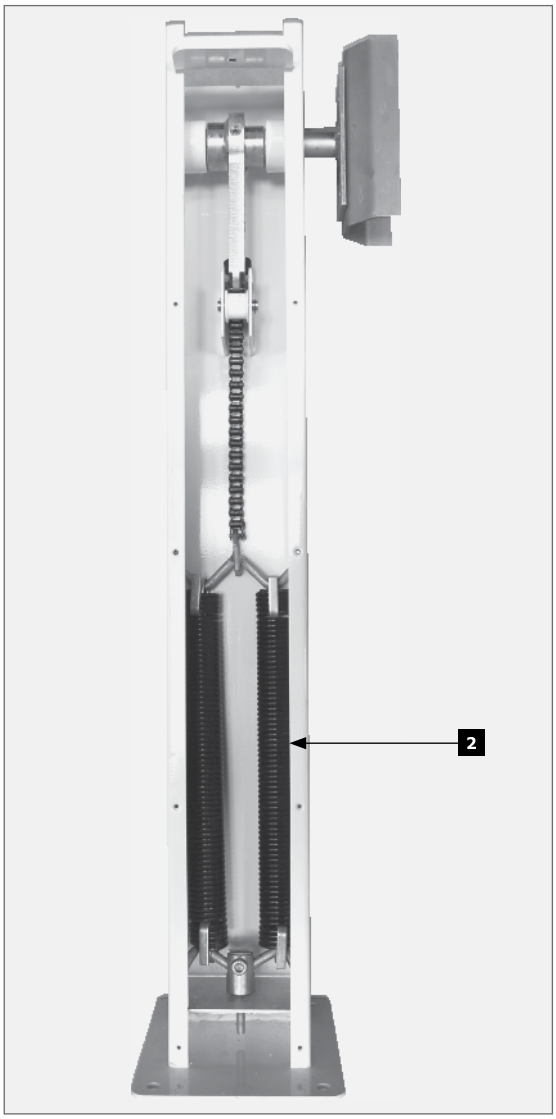

FIGURE 11. FITTING A DUAL SPRING

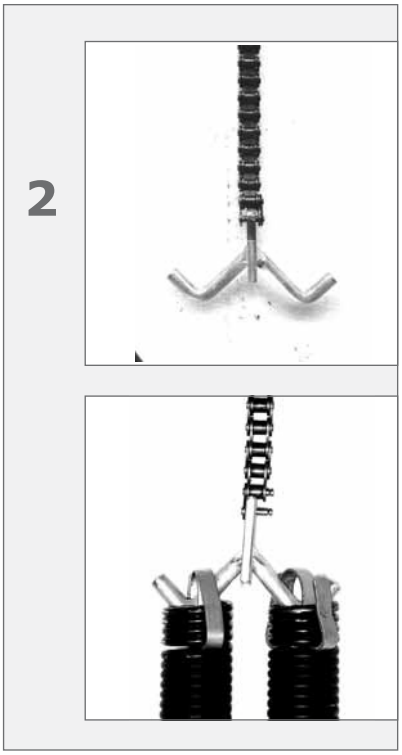

FIGURE 12