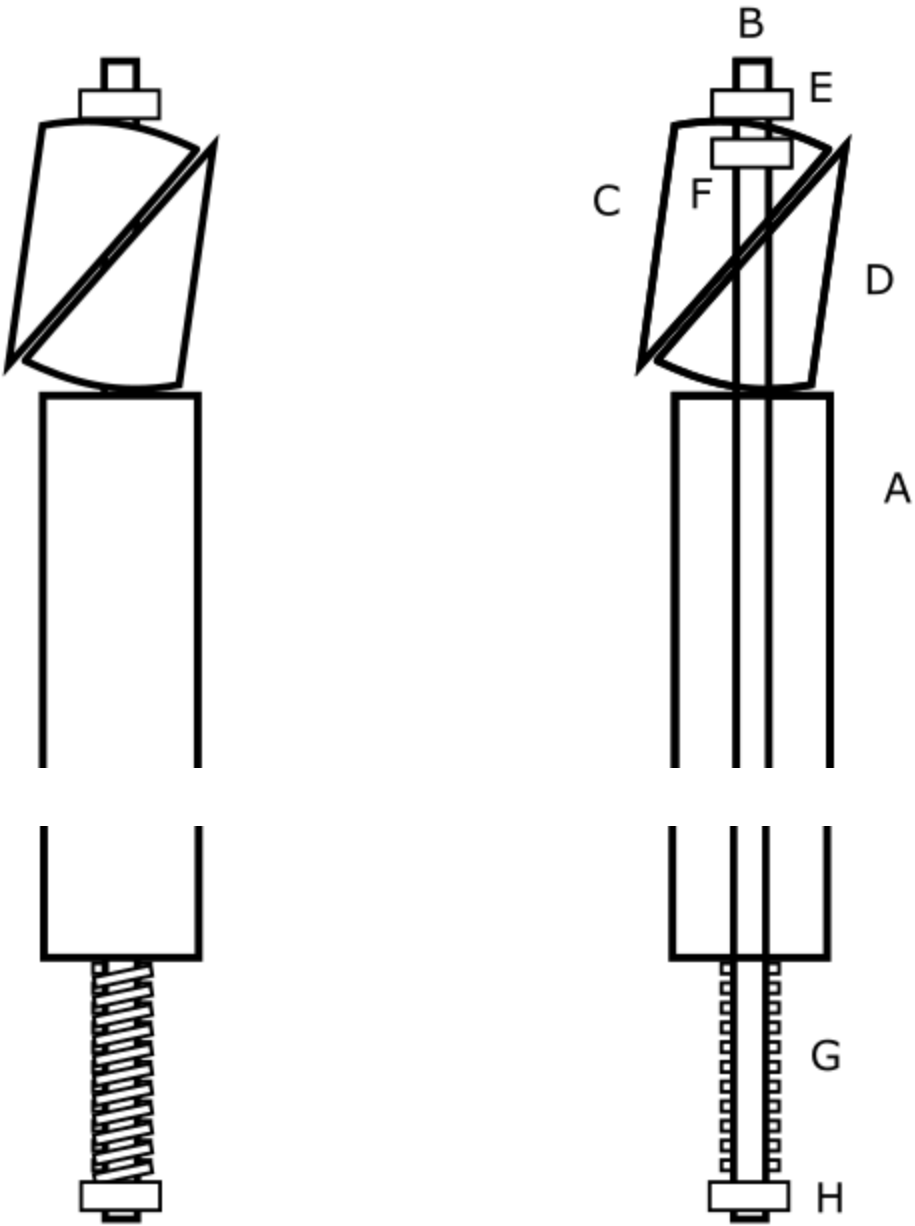


# THE SHOP COMPANY

## Professional Form Tension Pole Help Guide

This guide is designed to help assist in troubleshooting issues with the tension poles of the TSC Professional Dress Forms. Below is a schematic of both the full view and a cross section view of the top and bottom of this pole.



## The Parts

(A) Outer Pole - the wide chrome pole comprising most of the total length of the tension pole.

(B) Inner Rod - a thin and solid rod extending through the top and bottom holes of the Outer Pole.

(C & D) Split Triangles - two triangles which are held in place on the top of the Inner Rod. At rest, these Split Triangles should be forced outwards (as shown in the schematic).

(E & F) Top Nuts - these hold the top Split Triangle in place on the Inner Rod.

(G) Mini Spring - a spring which is held in place on the bottom of the Inner Rod.

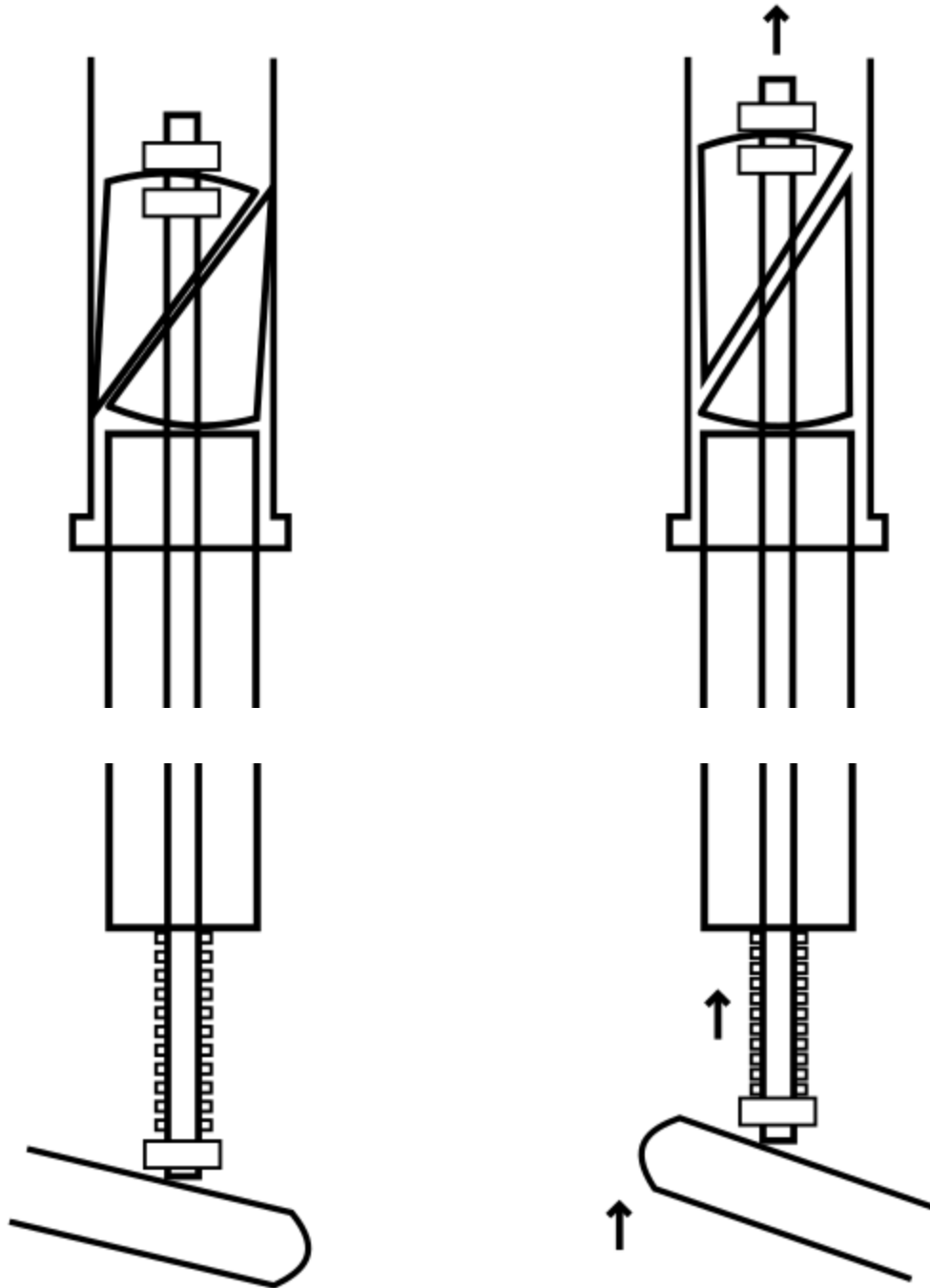
(H) Bottom Nut - this nut exerts pressure on the Mini Spring and the Outer Pole.

## How it all Works

The Bottom Nut exerts tension on the Mini Spring which forces up the Outer Pole causing the Split Triangles to separate and push away from each other. This outward push of the Split Triangles is the tension which locks the form in place at the desired height. *The tighter the Bottom Nut is screwed to the Inner Rod, the greater the tension.*

To release the tension of the Split Triangles (to either install the form on the tension pole for the first time or to change the form's height), depress the pedal on the base. Depressing the pedal pushes up the Inner Rod - *while the Outer Pole is being held in place secured to the base with the base t-screws* - and gives room for the split triangles to loosen and fit together.

Please see the next page for a cross section schematic of the Tension Pole when properly installed. The schematic on the left shows the pole at rest with the Split Triangles pushing outwards against the inside of the black pole which holds the black pole/ dress form in place. The schematic on the right demonstrates the effect of the base pedal being depressed which allows the Split Triangles to loosen their hold on the black pole and the dress form can now be raised or lowered.



Notice how the Outer Pole position remains the same when the pedal is being depressed. This is because it is being held in place attached to the base by the t-screws. It is only the Inner Rod which is pushed upwards by the pedal and causes the Split Triangles to relax and allow the black pole (which is attached to the dress form) to move up or down.

Still have questions? Please reach out! [help@theshopcompany.com](mailto:help@theshopcompany.com)