

## STEP 1 - HOW TO USE THE SPRING TOOL



**WARNING:** Before attaching any springs, read these instructions.



### Step 1.1

Identify the “short hook” and “long hook” ends of the spring.



### Step 1.2

Position the spring “short hook” into the corresponding mat V-ring, then use the spring tool and hook the “long hook” with the end of the spring tool.



### Step 1.3

Hold the spring in one hand and with the other hand pull the spring tool until the spring is attached to the frame hole, then disengage the spring tool leaving the spring in the assembled position.

**WARNING:**



Please take care where your hands and other parts of the body are placed when pulling springs, be aware that you are placing stored energy into the spring and if the spring is not restrained correctly it can cause injury to you or anyone else in the vicinity.

## STEP 2 - MAT ASSEMBLY

### MAT ASSEMBLY SPRING INSTALLATION ORDER

When installing springs, it is necessary to keep the tension on the mat balanced, this is because; (1) it prevents overloading & permanent over stretching of springs and mat stitching, (2) it takes a lot less effort and (3) no overloading means it's safer. So, as a rule, especially earlier on in the spring fitting process, it is best to install one spring, count the holes in the frame and the corresponding amount of mat V-rings to place the next spring 180° opposite. The tension of one spring on one side is now balanced by one spring on the opposite side.

#### Step 2.1

Layout the trampoline mat as shown, by attaching four evenly spaced springs from the mat to the frame. The numbers in the diagram show the correct sequence for attaching the springs.



#### Step 2.2

Repeat the process by finding the centre position between two installed springs, and copying the steps outlined in **Step 2.1** for attaching the next four springs.



#### Step 2.3

If your pads have the pad to mat barrier installed then you now need to start working all the edge slits onto the V-Rings as you go.



#### Step 2.4

Complete installing all springs.

#### Step 2.5

It is important to check that all the mat V-rings have remained in the correct orientation. A V-ring can rotate in its hoop if an uneven or overload is applied when assembling (or later when the user lands on the extreme mat edge area). If the V-ring is left incorrectly rotated, the mat edge components will have uneven loads shortening the life of the mat and springs. This can simply be rectified by removing a spring, re-adjusting the V-ring, then re-installing the spring.

