

IMPORTANT NOTES: Read First

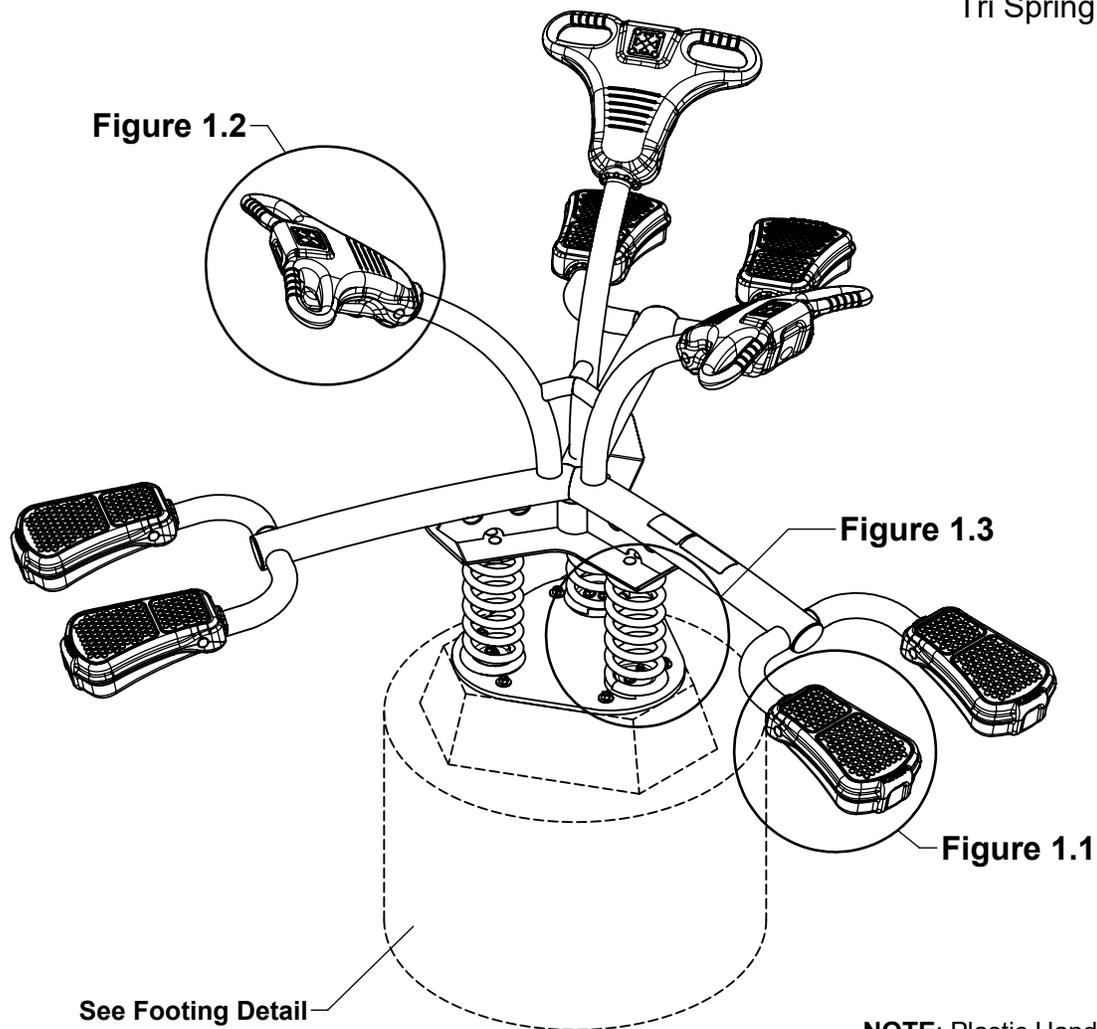
(A) Use liquid thread lock (such as Loctite®) with all threaded hardware. **Important:** Liquid thread lock (prior to curing) helps to eliminate the common problem of "thread seizure" in stainless steel hardware by serving as a lubricant during assembly.

(B) Do not pour concrete until the equipment is completely assembled, leveled and plumbed. Concrete must be allowed to cure completely before using the equipment (at least 72 hours).

(C) All bolt threads protruding beyond the nut must be cut and de-burred until end is smooth to the touch. Sharp edges and/or points of any kind must be eliminated. No more than two threads may be exposed beyond the end of the nut.

(D) An appropriate energy absorbing safety surface is required under and around all playground equipment. Loose fill protective surfacing is shown only as an example for the purpose of this assembly instruction. Other surfacing material may vary in thickness and/or compression depths. See free publication - The Handbook for Public Playground Safety, Publication #325 at www.cpsc.gov for the surfacing appropriate for the fall height of the equipment or consult your surfacing supply representative.

FIGURE 1
Tri Spring Fling



NOTE: Plastic Handle Option shown. Metal Handle Option will vary when indicated.

Step 1

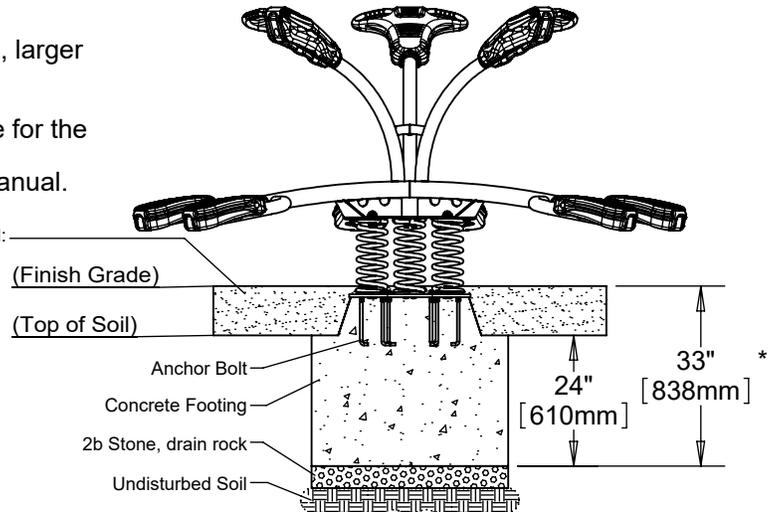
Footing Detail

Refer to Footing Layout and mark footing hole location. Dig (1) Ø 36" footing hole. Refer to Footing Detail for depth and details.

IMPORTANT: For areas with soft soil conditions, larger footings may be required.

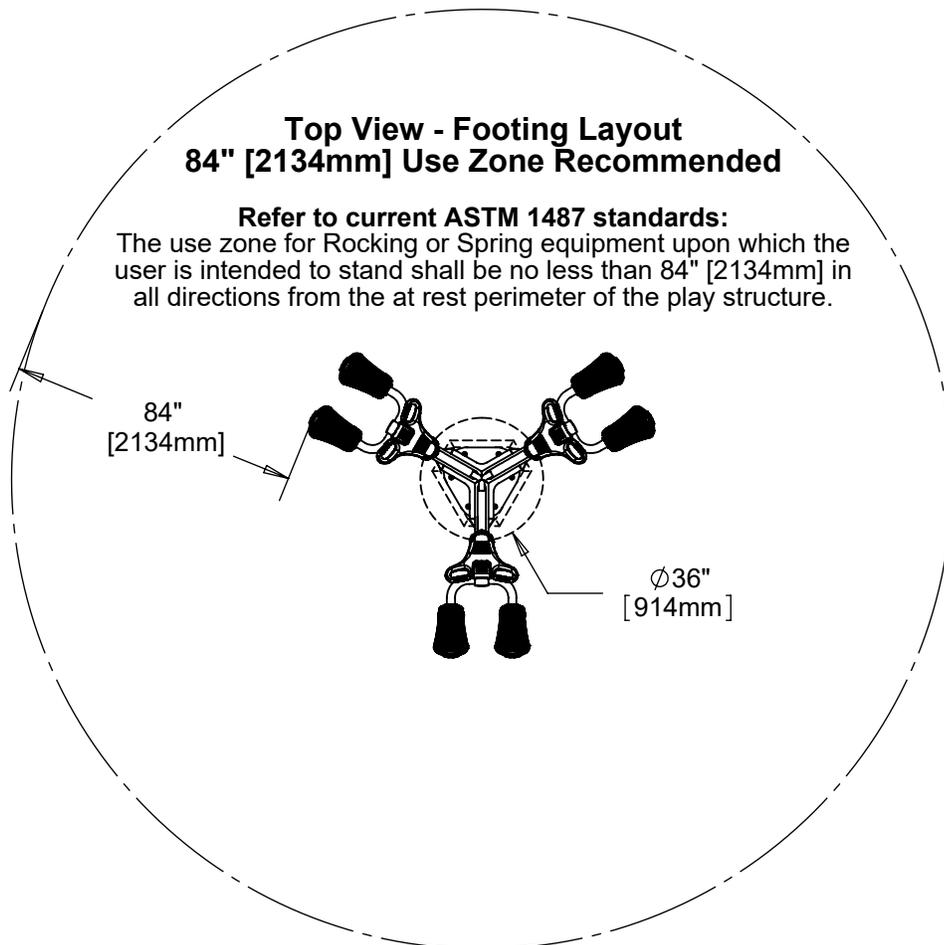
* Footing depth must be adjusted to compensate for the depth/thickness requirements of selected safety surfacing. See Section 06.1 of the Installation Manual.

LOOSE FILL SURFACING MATERIAL SHOWN:
 9" compressed or 12" uncompressed depth.
 Compressed depth shown. (See Note D)



Top View - Footing Layout 84" [2134mm] Use Zone Recommended

Refer to current ASTM 1487 standards:
 The use zone for Rocking or Spring equipment upon which the user is intended to stand shall be no less than 84" [2134mm] in all directions from the at rest perimeter of the play structure.



Step 2

Use the Tri Spring Fling Plate to create a plywood template for the placement of the anchor bolts. Attach anchor bolts to template as shown in Figure 2.

NOTE: Plywood not supplied

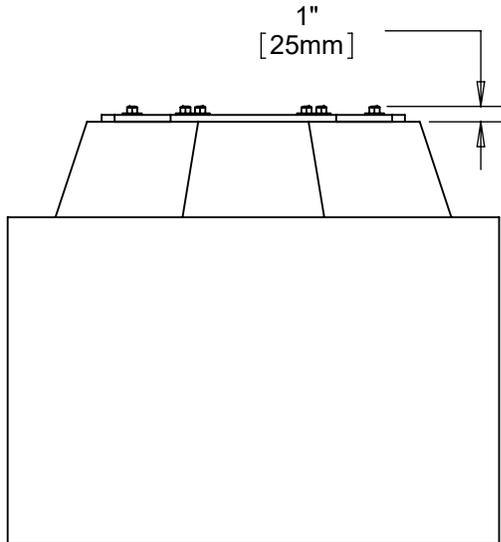


FIGURE 3

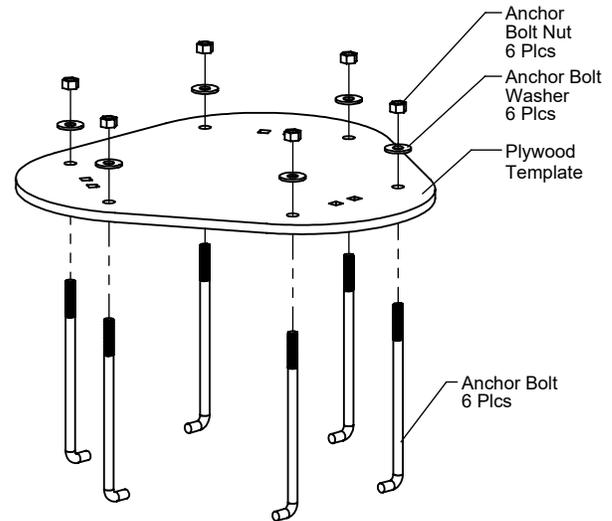


FIGURE 2

Step 3

Pour concrete footing and level template on surface. Orient and set anchor bolts in concrete as shown in footing detail. Allow approximately 1" [25mm] of thread to protrude from the concrete as shown in Figure 3. Allow 72 hours to cure before proceeding to next step. (See Note B)

Step 4 (Factory Assembled)

Apply the Tri Spring Fling Warning Label & Warning Label where visible to users as shown in Figure 4.

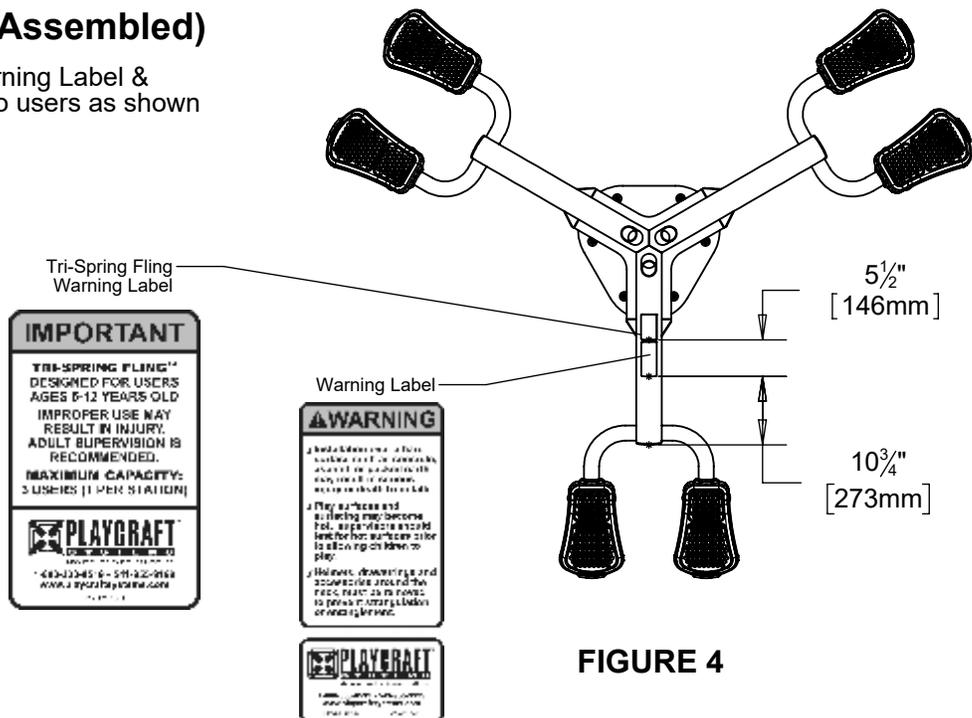


FIGURE 4

Step 5 (Factory Assembled)

Attach Steps to Tri Spring Fling Frame as shown in Figure 1.1. (See Note A)

NOTE: 6 Places

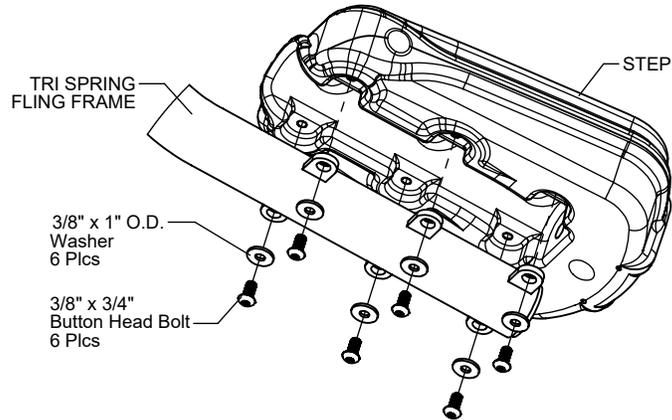


Figure 1.1

Step 6 (Factory Assembled)

For Plastic Handle Option Only

Attach Handles to Tri Spring Fling Frame as shown in Figure 1.2. (See Note A)

NOTE: 3 Places

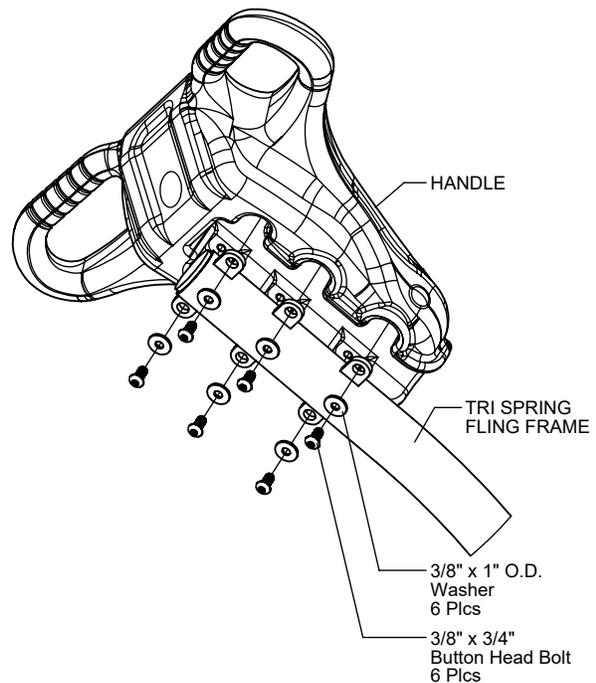


Figure 1.2

Step 7

Attach Tri Spring Fling Plate and Springs to Tri Spring Fling Frame as shown in Figure 1.3. (See Note A)

NOTE: 3 Places

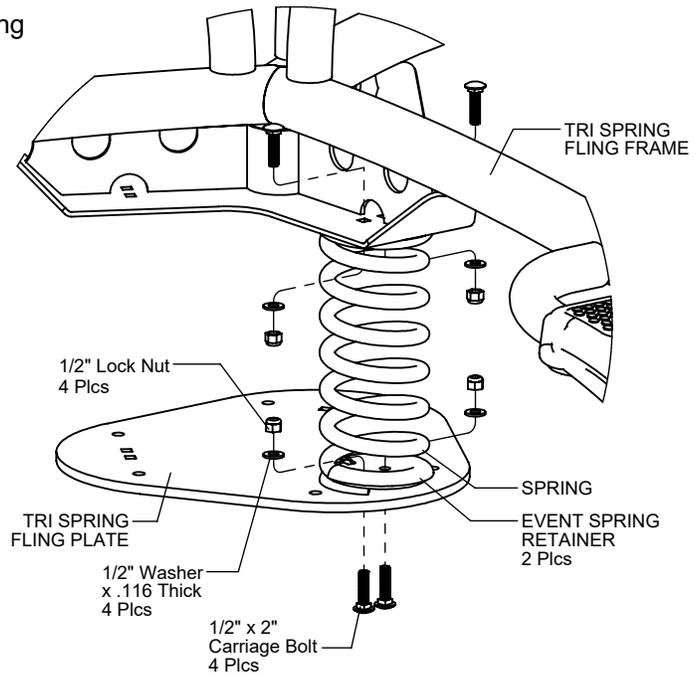


Figure 1.3

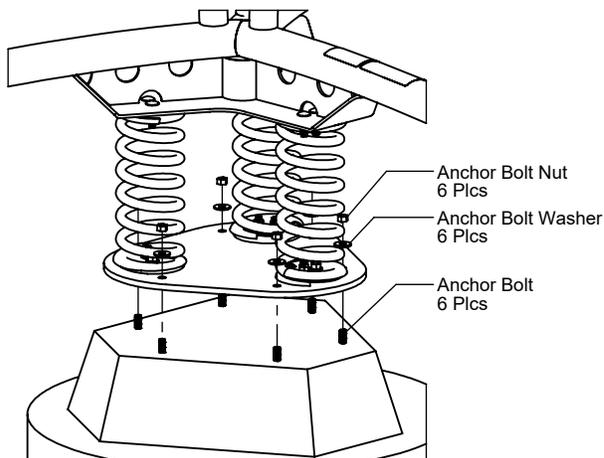


FIGURE 5

Step 8

Attach Tri Spring Fling Plate to Anchor Bolts as shown in Figure 5. (See Notes A & C)

Step 9

Fully tighten all fasteners according to the "TIGHTENING TORQUE FOR HARDWARE" section of the Installation Manual.

Step 10

Place required protective surfacing under and around Tri Spring Fling. (See Note D)

Parts List

PLASTIC HANDLE OPTION		
Part #	DESCRIPTION	QTY
AE-0136	Tri Spring Fling Plate	1
BE-4514	Event Spring Retainer	6
HE-4498	Playground Event Spring	3
9115092	Bolt Carriage 1/2" x 2"	12
9175393	Bolt Anchor 1/2" x 9-1/2" w/ Washer and Nut	6
9335002	Washer Flat 1/2" (.116" thick)	12
9415132	Nut Lock 1/2"	12

METAL HANDLE OPTION		
Part #	DESCRIPTION	QTY
AE-0136	Tri Spring Fling Plate	1
BE-4514	Event Spring Retainer	6
HE-4498	Playground Event Spring	3
9115092	Bolt Carriage 1/2" x 2"	12
9175393	Bolt Anchor 1/2" x 9-1/2" w/ Washer and Nut	6
9335002	Washer Flat 1/2" (.116" thick)	12
9415132	Nut Lock 1/2"	12

Assembled Parts List

PLASTIC HANDLE OPTION		
Part #	DESCRIPTION	QTY
DE-0007	Spring Fling Handle	3
DE-0008	Spring Fling Step	6
FS-PC2443	Tri Spring Fling Frame	1
372004	Tri-Spring Fling Warning Label	1
372016	Warning Label	1
9103032-TR	Bolt Button Head 3/8" x 3/4"	54
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	54

METAL HANDLE OPTION		
Part #	DESCRIPTION	QTY
DE-0008	Spring Fling Step	6
FS-PC2443-HND	Tri Spring Fling Frame - Metal Handles	1
372004	Tri-Spring Fling Warning Label	1
372016	Warning Label	1
9103032-TR	Bolt Button Head 3/8" x 3/4"	36
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	36

Specifications

TRI SPRING FLING FRAME:

Shall be fabricated using 3.5" O.D. 11 gauge steel tubing with welded 2.375" O.D. 11 gauge steel legs and handles, 1.660" O.D. 11 gauge steel supports, 1/4" thick steel tabs and a 1/4" thick sheet steel base. The Tri Spring Fling Frame shall have a multi-stage baked-on powder coat finish.

TRI SPRING FLING FRAME METAL HANDLE:

Shall be fabricated using 3.5" O.D. 11 gauge steel tubing with welded 2.375" O.D. 11 gauge steel legs and handle supports, 1.660" O.D. 11 gauge steel supports, 1.315" O.D. 11 gauge handles, 1/4" thick steel tabs and a 1/4" thick sheet steel base. The Tri Spring Fling Frame Metal Handle shall have a multi-stage baked-on powder coat finish.

SPRING FLING HANDLE AND STEP:

Shall be constructed of UV-stabilized, rotationally molded, linear, low density polyethylene with an average wall thickness of .250".

PLAYGROUND EVENT SPRING:

Shall be 5-3/4" O.D. with a free height of 14". The Playground Event Spring has a multi-stage baked-on powder coat finish.

TRI SPRING FLING PLATE:

Shall be made from 1/2" thick plate steel with a multi-stage baked-on powder coat finish.

EVENT SPRING RETAINER:

Shall be made from 1/8" thick sheet steel with a multi-stage baked-on powder coat finish.

HARDWARE:

Shall be stainless steel, zinc/nickel plated or galvanized as required to resist rust and corrosion.

Maintenance

Periodically tighten all screws, bolts and nuts. A periodic inspection of all parts is necessary. If a part is broken or worn, replace immediately. For general maintenance please refer to our Playground Maintenance Manual.