

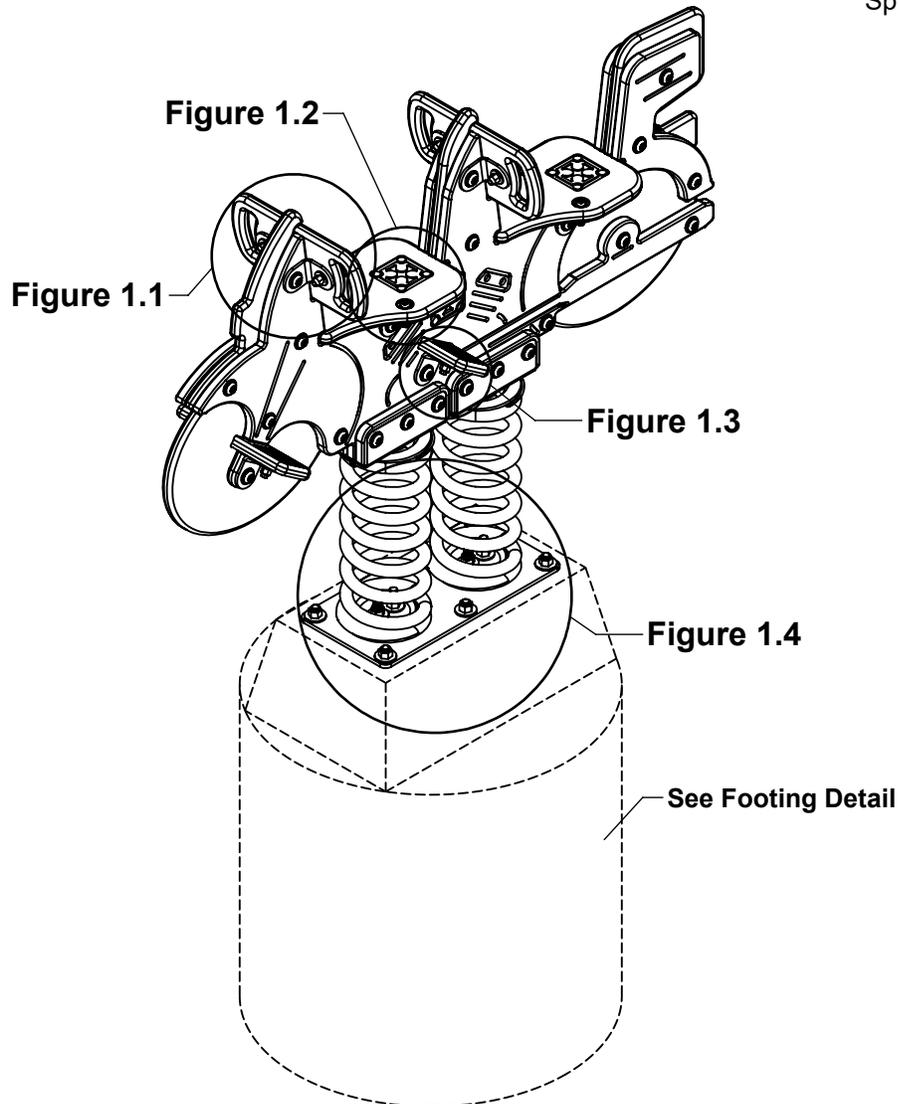
IMPORTANT NOTES: Read First

(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) 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.

(C) Use appropriate compliant protective surfacing and adjust footing depths accordingly. 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 you surfacing supply representative.

FIGURE 1
Dual Motorcycle
Spring Rider



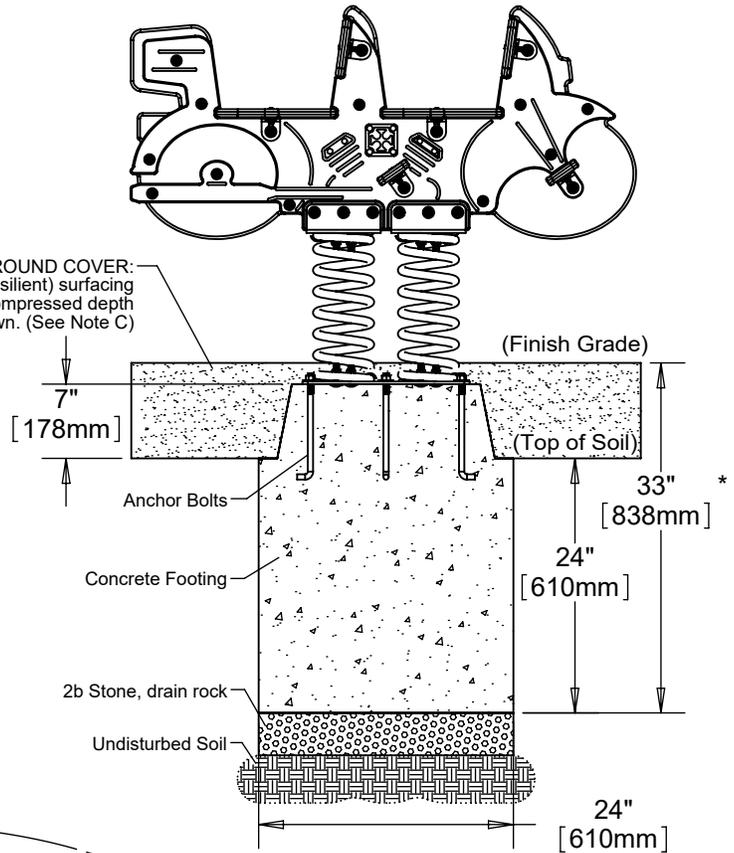
Step 1

Dig a Ø24" footing hole. Refer to Footing Detail and Footing Layout for depth and details.

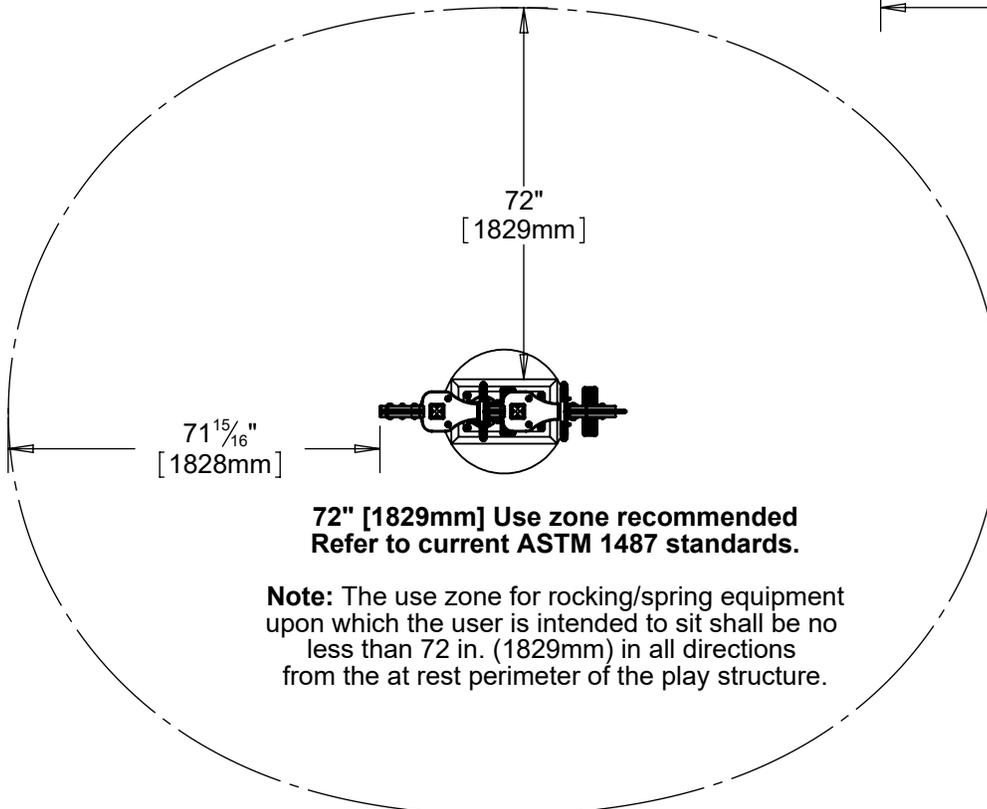
IMPORTANT: For areas with soft soil conditions, larger footings may be required.

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

Footing Detail



Top View - Footing Layout



Step 2

Use Bottom Mount Plate of Spring Rider as a template to create a plywood template for the placement of Anchor Bolts. (Plywood not supplied)

Step 3

Attach Anchor Bolts to template as shown in Figure 2. Allow approximately 1" of thread to protrude from the concrete as shown in Figure 3.

Step 4

Pour concrete footing and lay template on surface in a level position as shown in Figure 3. Force Anchor Bolts into concrete. Allow 72 hours to cure before proceeding to next step.

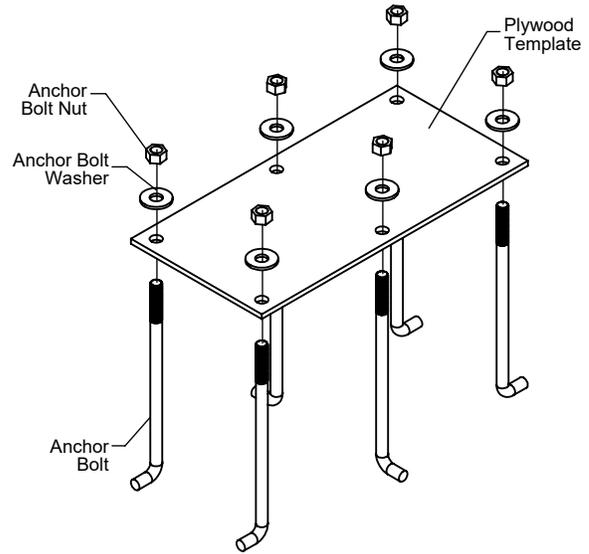


FIGURE 2

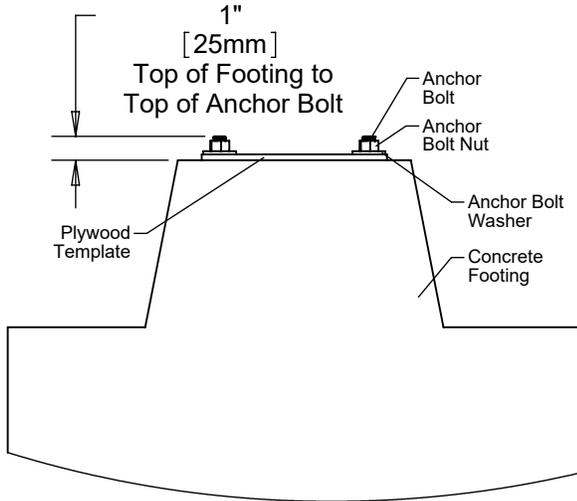


FIGURE 3

Step 5 (Factory Assembled)

Attach Spring to Top and Bottom Mount Plates as shown in Figure 4. (See Note A)

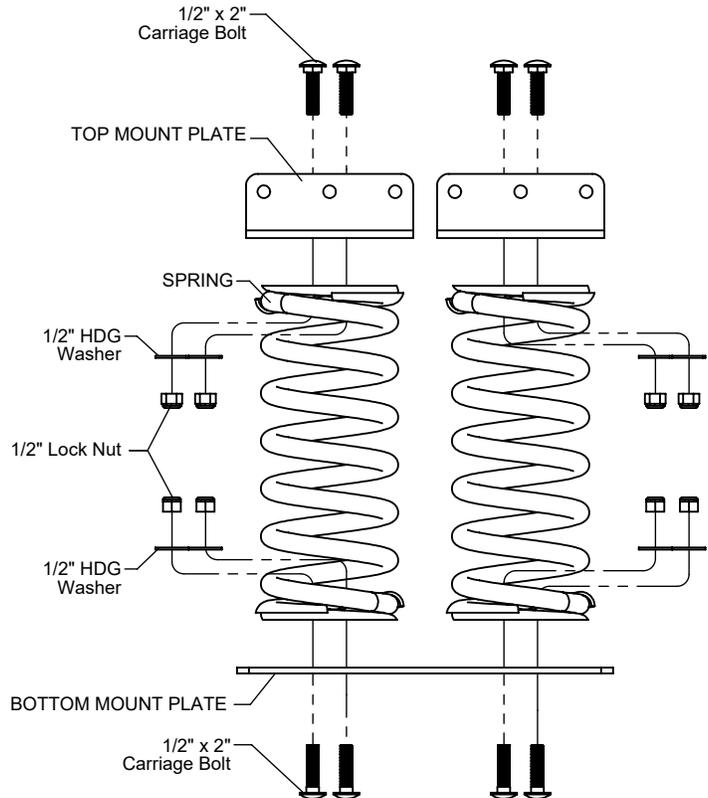


FIGURE 4

Step 6 (Factory Assembled)

Assemble Dual Motorcycle Body as shown in Figure 5. (See Note A)

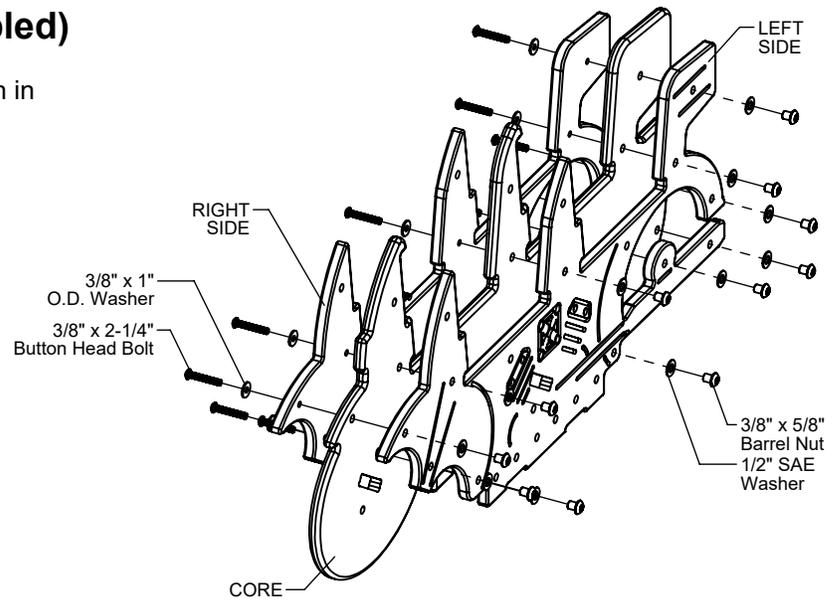


FIGURE 5

Step 7 (Factory Assembled)

Attach Spring Assembly and Mounting Spacer to Dual Motorcycle Body as shown in Figure 6. (See Note A)

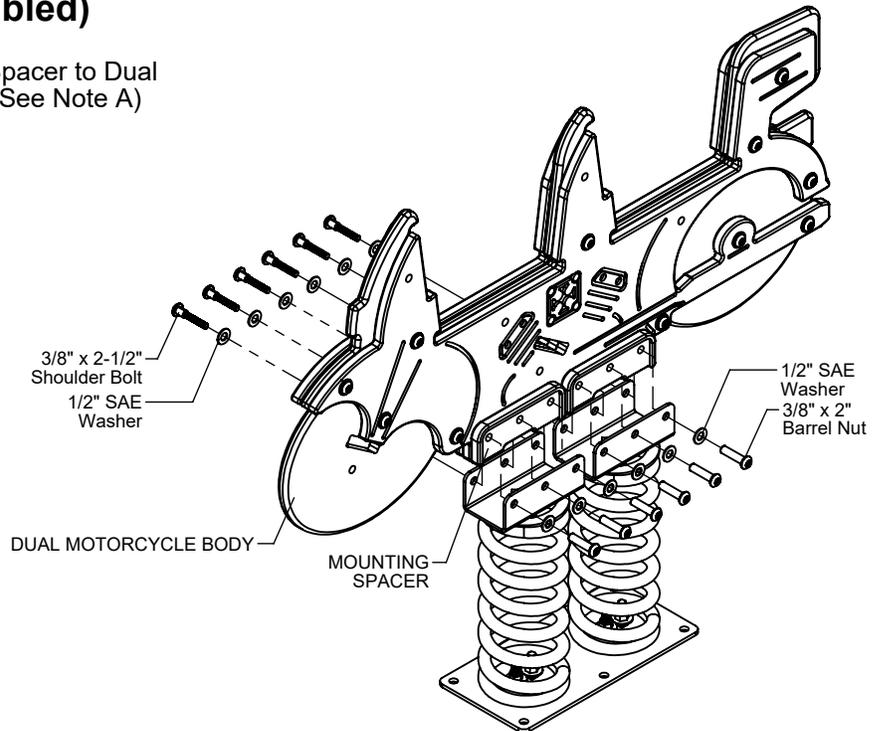


FIGURE 6

Step 8

Attach Spring Rider Brackets and Wheel Spacers to Dual Motorcycle Body as shown in Figure 7.
(See Note A)

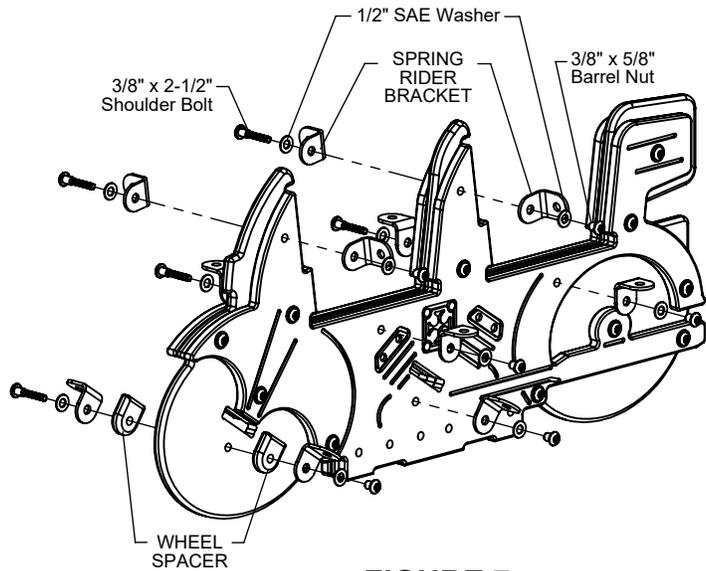


FIGURE 7

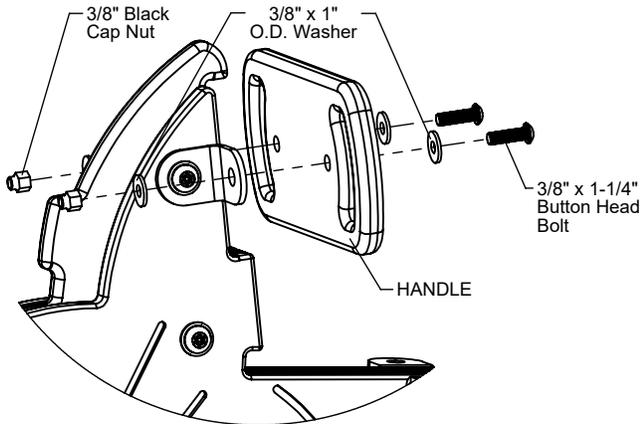


Figure 1.1

Step 9

Attach Handles, Seats, and Footrests to Spring Rider Brackets as shown in Figure 1 using hardware as indicated by Figure 1.1. (See Note A)

Step 10

Attach Seat to Brackets as shown in Figure 1.2.
(See Note A)

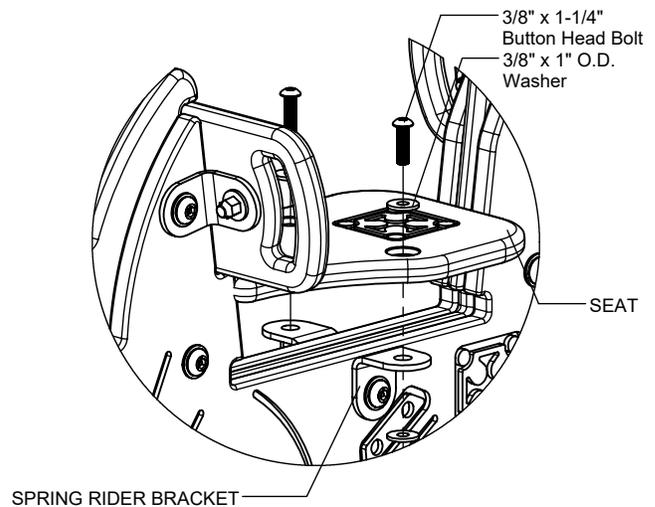


Figure 1.2

Step 11

Attach Foot Rests to Brackets as shown in Figure 1.3.
(See Note A)

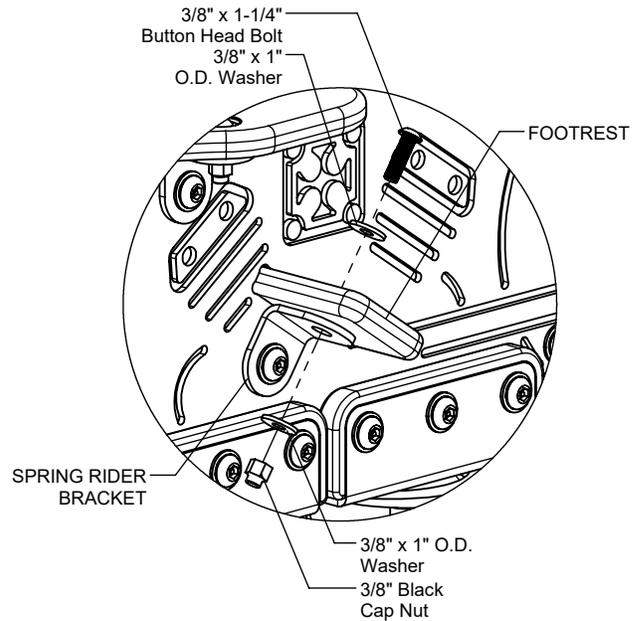


Figure 1.3

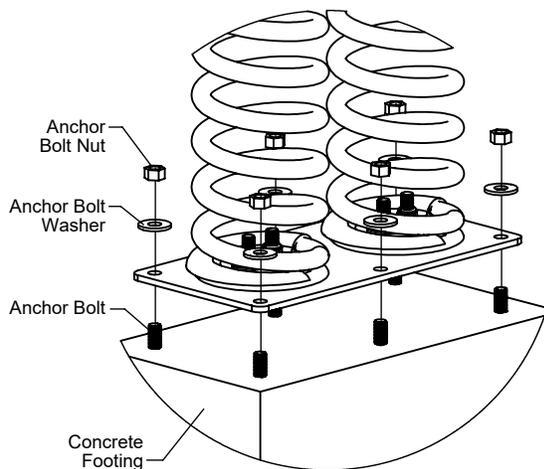


Figure 1.4

Step 12

Attach Dual Motorcycle Spring Rider to Anchor Bolts as shown in Figure 1.4. (See Note A)

Step 13

Fully tighten all fasteners according to the "TIGHTENING TORQUE FOR HARDWARE" section of the Installation Manual. (See Note B)

Step 14

Place appropriate compliant protective surfacing under and around Dual Motorcycle. (See Note C)

Parts List

Part #	DESCRIPTION	QTY.
BE-4466	Spring Rider Bracket	12
BE-4514	Event Spring Retainer	4
EE-4525-S	Dual Motorcycle - Wheel Spacer	2
EE-4938	Spring Rider Seat	2
EE-4939	Spring Rider Handle	2
EE-4940	Spring Rider Footrest	2
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	12
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	6
9175393	Bolt Anchor 1/2" x 9-1/2" w/ Washer and Nut	6
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	24
9345002	Washer Flat SAE 1/2"	12
9413162-BLK	Nut Lock 3/8" w/ Black Cap	12
9443022-TR	Nut Barrel 3/8" x 5/8" BH	6

Assembled Parts List

Part #	DESCRIPTION	QTY
AE-4534	Double Spring Bottom Mount Plate	1
BE-4514	Event Spring Retainer	4
BE-4515	Single Spring Top Mount Plate	2
EE-4525-C	Dual Motorcycle Body - Core	1
EE-4525-L	Dual Motorcycle Body - Left	1
EE-4525-R	Dual Motorcycle Body - Right	1
EE-4941	Spring Rider Mounting Spacer	4
HE-4498	Playground Event Spring	2
9103102-TR	Bolt Button Head 3/8" x 2-1/4"	11
9115092	Bolt Carriage 1/2" x 2"	8
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	6
9315003	Washer Cut 1/2" HDG	8
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	11
9345002	Washer Flat SAE 1/2"	23
9415132	Nut Lock 1/2"	8
9443022-TR	Nut Barrel 3/8" x 5/8" BH	11
9443092-TR	Nut Barrel 3/8" x 2" BH	6

Specifications

PANELS:

Dual Motorcycle Body, Seat, Handles, Footrests and Spacers shall be made from high-density 3/4" thick, hot extruded polyethylene sheet plastic specially formulated for optimum UV stability and color retention.

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.

EVENT SPRING RETAINER:

Shall be precision die-cast and formed from 1/8" thick sheet steel. The Event Spring Retainer shall have a multi-stage backed-on powder coat finish.

BOTTOM SPRING MOUNT PLATE:

Shall be fabricated using 1/4" thick plate steel. The Bottom Spring Mount Plate has a multi-stage baked-on powder coat finish.

TOP SPRING MOUNT PLATE:

Shall be fabricated using 3/16" thick plate steel. The Top Spring Mount Plate has a multi-stage baked-on powder coat finish.

SPRING RIDER BRACKET:

Shall be fabricated using 3/16" thick plate steel. The Spring Rider Bracket has 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.

