

# **INSTALLATION INSTRUCTIONS**

911-129B MODEL KATHERINE 5" WITH BRACKET (NO CLAMP) STANDARD LAYOUT

Please read the entire manual before beginning installation.



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# HARDWARE DRAWINGS COMPONENT INSTALLATION INSTRUCTION SETS APPENDIX

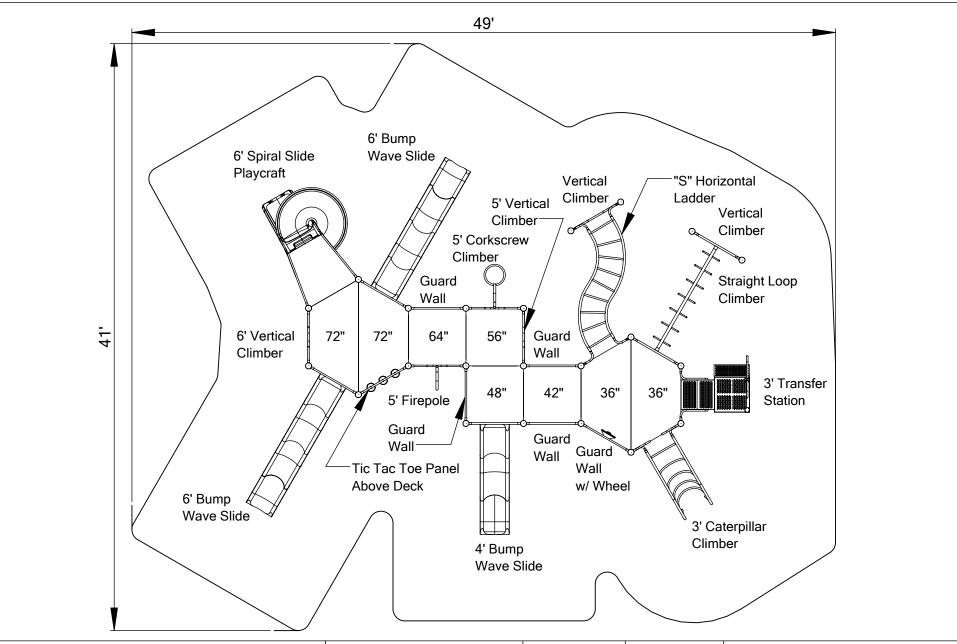
FINAL INSTALLATION STEPS
MAINTENANCE AND INSPECTION













SportsPlay 8505 Delmar Blvd, Ste G 800-727-8180

Fax: 314-389-9034

www.sportsplayinc.com

Size: 37' X 29' Use Zone: 49' X 41'

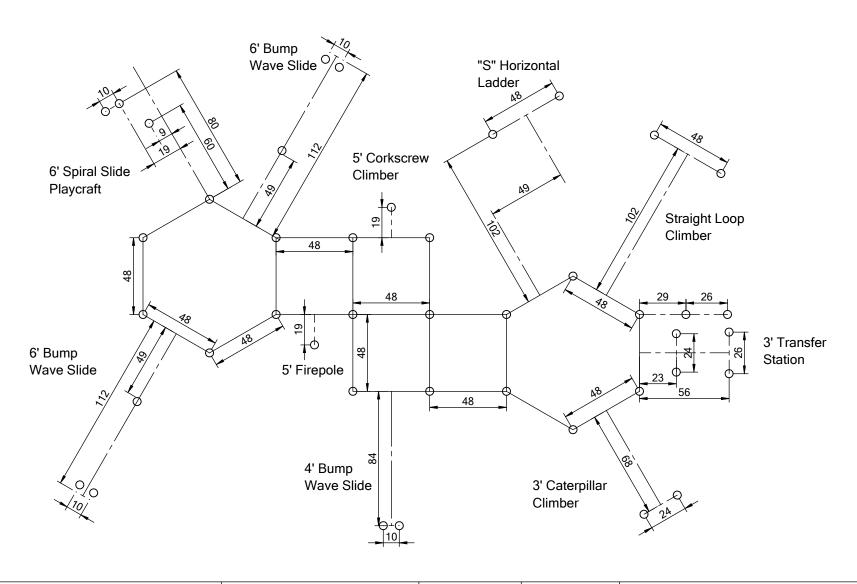
Age Group: 5-12

Drawn By:	Date	
D Melancon	04-27-20	

**CPSC: Compliant** ASTM: Compliant Project: Katherine Mega 2d

Drawing Number: 911-129B Distributor: SportsPlay Inc.

Scale: 1:80 Sheet 1 of 1





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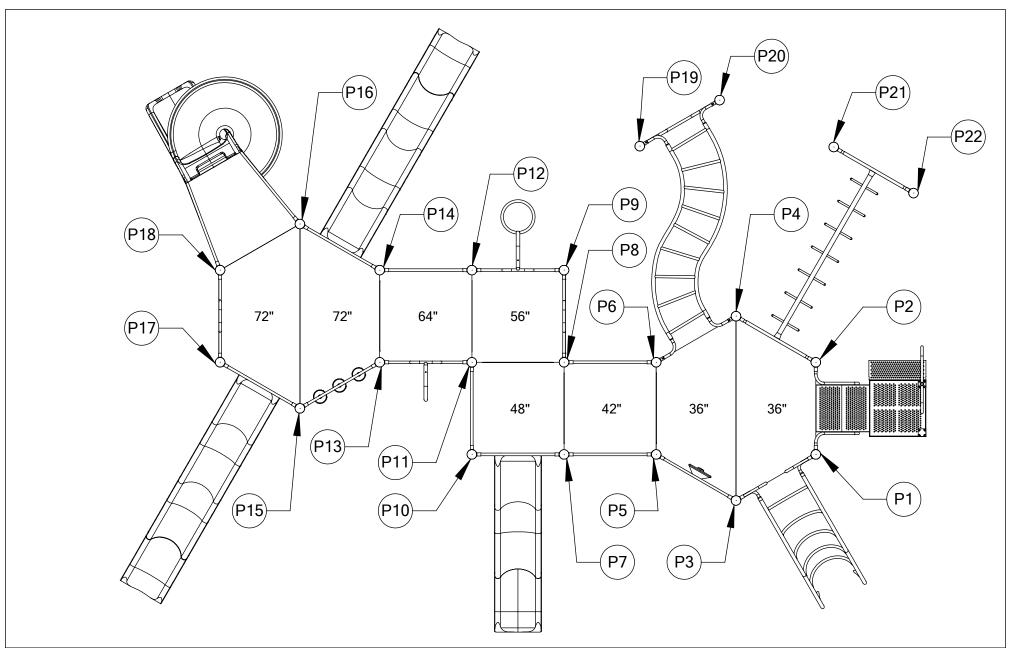
Size: 37' X 29' Use Zone: 49' X 41' Age Group: 5-12

Drawn By:	Date
D Melancon	04-28-20

**CPSC: Compliant** ASTM: Compliant Project: Katherine Mega

Footing
Drawing Number: 911-129B
Distributor: SportsPlay Inc.

Scale: 1:80 Sheet 1 of 1





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Size: 37' X 29' Use Zone: 49' X 41' Age Group: 5-12

Drawn By:	Date	
D Melancon	04-27-20	

**CPSC: Compliant** ASTM: Compliant Project: Katherine Mega Posts

Drawing Number: 911-129B Distributor: SportsPlay Inc.

Scale: 1:50 Sheet 1 of 1



#### **Important**

#### Please read completely before beginning installation.

This equipment has been designed for safety as well as challenge and fun. This equipment has been designed to reduce injuries and therefore must be installed "Step by Step" per our Instructions.

The U.S. Consumer Product Safety Commission (CPSC) published a report stating 79% of all playground injuries treated in U.S. Emergency Rooms was the result of a fall. It is critical that you refer to the Protective Surfacing section of these instructions, located on the next page prior to installing your playground. As the owner you are responsible for the safe installation of not only the play equipment, but also the safety of the site.

#### **Before You Begin**

- Identify all parts by comparing them to the part list and component instruction pages.
- Equipment should be inventoried and installed within a few days of receipt. The packing materials are meant to protect the equipment during shipping and not for storage. Heat, weather and sunlight can damage the packing materials, which can impact the components. If storage is required you must store the equipment in a controlled environment away from heat, moisture and sunlight. SportsPlay recommends carefully unpacking the unit and taking an inventory before storing the equipment. Care should be taken with all powder coated and thermoplastic-coated parts to prevent damage to the coating. Additionally all plastic panels need to be stored flat to prevent warping.
- Review your playground footing and top view drawings to ensure your site is large enough. The use zone for playground structures extends 6' (72") from its perimeter. Remember that you may not overlap the use

zone of any slide with another playground. These guidelines are available from the CPSC (contact information for the CPSC is located on the next page).

- Read through the entire instruction booklet before beginning the actual installation.
- Before you begin preparing the site or digging any holes you must first
  contact you local utility companies so they can visit the site and mark all
  of the buried utilities. In the U.S. you may call 811 and your call will be
  routed to your local utility center.
- This equipment was designed to install on a clear and level site. There should be no more than 3" in of grade variations in a 10' span.
- Footing layout is the first critical step once the installation begins. Mark all holes using the footing diagram. Prior to digging holes compare the measurements from the footing diagram to the actual site markings to ensure accuracy. Then check it again!
- Our posts are manufactured to accommodate 12" of protective surfacing.
- Evaluate the site for drainage. To ensure good drainage around the equipment consult a local professional.
- Do not leave the jobsite un-attended during installation unless all access points to the play area are secure, all bolts and fasteners are tight and all ground holes are covered.
- SportsPlay Equipment inc. has provided two warning labels that state:
   "WARNING Installation over a hard surface such as concrete, asphalt
   or packed earth may result in serious injury or death from falls." These
   labels must be installed on vertical posts as per ASTM F1487.
   Instructions for the placement of these labels are included in the
   appendix of this booklet.



- SportsPlay will provide manufacturer identification labels that must be installed on the structure during installation per ASTM F1487.
   Installation instructions for these labels are included in the appendix of this instruction manual.
- Labels must be replaced when they are no longer legible. Contact your distributor for replacement labels.



# **Safety Surfacing**

# WARNING! – INSTALLATION OVER A HARD SURFACE SUCH AS CONCRETE, ASPHALT OR PACKED EARTH MAY RESULT IN SERIOUS INJURY OR DEATH FROM A FALL

Because accidental falls are likely to occur around play equipment, SportsPlay Equipment Inc. recommends that a resilient safety surfacing that will meet standard ASTM F1292 be placed under and around the structure and extend throughout the entire use zone.

SportsPlay Equipment Inc. manufactures all playgrounds to accommodate 12" of safety surfacing. If you intend to adjust the height of the surfacing you will need to adjust the depth of the footing to accommodate the surfacing height.

Refer to the CPSC Handbook for Public Playground Safety for the recommended type and depth of the protective surfacing as well as all other playground safety concerns.

For a copy of the most current issue of the CPSC Handbook for Public Playground Safety, write to:

#### **U.S. Consumer Product Safety Commission**

Office of Information and Public Affairs Washington DC, 20207 USA

Call - 1-800-638-2772 (US and Canada only)
Call - 301-504-0990
Direct Link - http://www.cpsc.gov/cpscpub/pubs/325.pdf

For a copy of either the standard for surfacing (ASTM F1292) or for play equipment (ASTM 1487) write to:

### **American Society for Testing and Materials**

100 Bar harbor drive West Conshohocken PA, 19428-2959 USA

Call - 618-832-9585

Web Site - www.astm.org

You must consider the type of safety surfacing you will use before beginning the installation process. There are two general types, organic/loose fill or synthetic unitary (pour in place). You must know which type of surfacing you are going to use prior to installing the playground. This unit was designed for 12" of loose fill surfacing so if the customer wants to use a synthetic unitary product that has a much smaller height than 12" you must dig the footing holes deeper to allow for the difference.

If loose fill surface material is to be used (example: wood mulch) you will need to consider containment borders. There are many products to choose from including hard plastic and natural products such as wood (Creosoted railroad ties are NOT recommended for use as borders in a play area). Loose fill materials are easily displaced so use of some type of containment border is necessary to keep the surfacing material inside the intended area. Some customers also prefer to have a weed mat installed to prevent weed growth. Choose a mat that will prevent growth but will also allow for drainage.



## **Tools and Materials**

List is for tools and materials needed that are not included with the playground

Follow manufacturer's guidelines for proper use of tools and materials.

- The best method (also the easiest) to dig the postholes is using a tractor with a 12" auger attachment.
- Shovels (long handled spades)
- Post hole digger
- Wheelbarrow
- Large construction bar (5')
- Pry bar
- · Claw hammer
- Large dead-blow rubber hammer
- Small sledgehammer to use in blocking the posts
- Vise grips (various sizes and styles)
- Strong and sturdy step ladders
- Socket set's (1/2" & 3/8" drive)
- Extension cords & power supply

- Drills (1/2" and 3/8")
- Drill bits and spade bits
- Levels Magnetic torpedo and 4' long levels
- Scrap lumber to use for shims in post holes to keep posts level
- Blocking materials for the post holes (bricks, concrete blocks, etc.)
- 4' Bar Clamp
- Files and sand paper
- Safety surfacing
- Spray paint to mark holes
- String line
- Cement (2,500 psi minimum)
- Straight line or transit level (and tripod) for ensuring hole depths are at the same level

# MEGA Series Installation Guide

# BEFORE STARTING INSTALLATION OF YOUR PLAYGROUND, PLEASE READ INSTRUCTIONS THOROUGHLY.

#### **BEFORE BEGINNING**

#### SITE REQUIREMENTS

The Playground system is designed to suit a level site. Should there be any falls or slopes on the site; care should be taken to accommodate the entry and exit points and to maintain the correct height. There should not be more than 3" of drop grade per every 10'.

The site must be inspected for natural obstacles such as roots or rocks that may be a trip hazard, poor drainage and sharp objects such as glass.

Every state has different rules and regulations governing digging, some are stricter than others. In addition, 62 separate One Call Centers serve different areas of the country; now 811 will connect you directly to your local One Call Center. Prior to digging, be sure to call 811 or the local One Call Center to prevent accidentally disrupting local utility service.

#### **MAINTENANCE:**

As an owner, it is most important that you are aware of your responsibility to isasfure use of your new equipment. It is necessary to install equipment according to the installation instructions provided and inspect the equipment galar intervals. During inspection, if any part is foundlamaged or excessively worn, equipment should immediately. A maintenance checklist is included in the appendix of this instruction booklet.

If a part is missing or damaged the playground mustput out of service while the part is replaced. Lack of maintenance will result in premature wear, reduced expectancy, and possible failure that may result in injury.

All SportsPlay Equipment play events have been engineerencheret all applicable safety guidelines, but if installed

Improperly, these problems may occur:

- Entrapment gaps (between 3 1/2" and 9")
- String Entanglements
- Protrusions

Make sure that any bolt end that protrudes more than 2 threast the face of the nut is trimmed and deburred smoothly. Always double-check your work.

Installation must adhere to the manufacturer's assembly mamualall other applicable safety guidelines.

#### PLAY AREA:

The area immediately above and around the play structure message of any obstructions such as:

- Trees
- Other Play Equipment
- Buildings
- Overhead Power lines

Make sure the play area has all the required safety surfacing and the minimum fall zones as required by thatety guidelines. These guidelines can be found at www.cpsc.gov.

# CHILDREN MUST BE SUPERVISED AT ALL TIMESNo playground is safe without adult supervision!

There may be situations that require you to modify the layout or use your own judgment. If you have any questions contact you distributor.

Reading this entire manual before beginning the installation will help you to ensure your equipment is installed and maintained correctly.



The use zone for this equipment shall extend a minimum of 6' in all directions from the perimeter of the equipment.

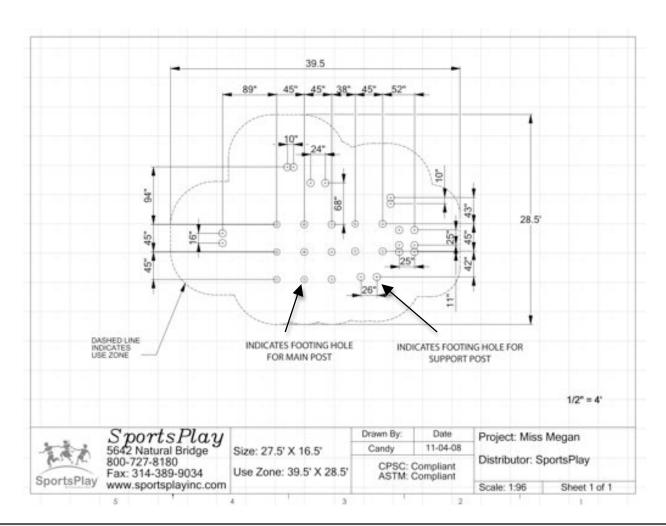
The use zone for adjacent stationary equipment may overlap. If the deck height for that equipment is no more than 30" above the protective surfacing the use zone is 6'.

The use zone for adjacent stationary equipment may overlap. If the deck height for that equipment is more than 30" above the protective surfacing the use zone is 9'.



## **Installation Punch List**

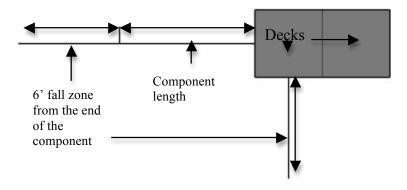
# **Footing Layout Example**





#### Step 1: Layout

1. Lay decks on ground in the desired location using the top view layout drawing. Measure from each deck to ensure there is adequate space for any component and the components fall zone. Below is an example of how to layout your decks so you can mark the location of the holes for the main posts and verify the required distance for a fall zone. This drawing is a standard drawing and does not represent the actual playground you are installing.

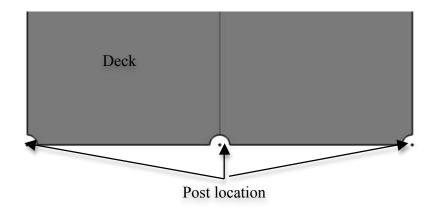


2. Most installers like to orientate the playground so that the entry point of the playground (primarily a transfer station) is facing either the sidewalk or the direction from which the children are entering the play area.

# Step 2: Holes

If the site grade is not level you have to adjust the footing depth to
maintain a level footing. Check with building codes to ensure you meet
required hole depth and width. If a deeper footing is required you must
add blocking materials to the whole to keep the post depth in accordance
with our footing drawing.

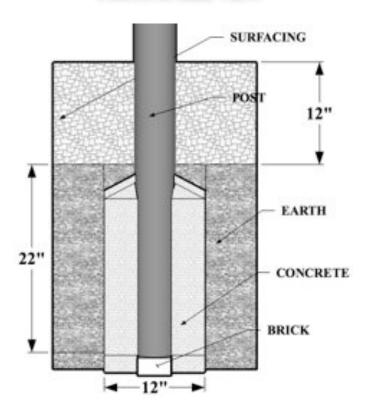
2. Once the decks are in the desired location within the play area and the decks are flush with each other, mark the locations of the post by inserting a stake into the center of each post location (see drawing below for an example). If using spray paint to mark location please be careful not to spray the deck.



3. Match the post location marks with the footing layout in the front of this booklet (an example of how to identify which holes are for the main posts and which are for support posts is on the previous page). Dig your holes using the main post footing drawing below. If your surface grade is not level you should start with the lowest point and use that hole depth to level all other holes too. The footing drawing below indicates a depth of 22" plus the thickness of a brick (or the thickness of whatever blocking material you will use instead of a brick). This depth is for 12" of surfacing only. If you are using something other than 12" of surfacing, such as 3" of rubber your hole depth would have to be 31" plus the thickness of a brick to allow for less surfacing material. (Footing depths for support posts such as slide legs are listed in the component assembly instructions.



#### FOOTING SIDE VIEW



- 4. It is recommended that you use a transit to level the remaining postholes to the first hole in order to ensure that the posts are level.
- 5. Using the post identification drawing (4<sup>th</sup> page of this booklet) identify which post goes in each hole by matching the number on the post with the number on the drawing.

#### Step 3: Deck, Post & Component Installation

- The easiest way to install the playground is by starting with the central deck and then work out. We recommend installing the posts and central deck and once the post and deck are square and level you may add the concrete (concrete with a minimum of 2,500 psi should be used). Mix concrete per manufacturers instructions and let it cure for at least 24 hours before continuing.
- 2. NEVER LEAVE THE INSTALLATION SITE UNATTENDED WITHOUT ROPING OFF THE AREA AND EQUIPMENT, INSTALLING ALL HARDWARE, SECURING TOOLS AND EQUIPMENT, AND COVERING OPEN HOLES WITH A RIGID MATERIAL (PLYWOOD). CHILDREN WILL TRY TO USE THE EQUIPMENT EVEN THOUGH ITS NOT FULLY ASSEMBLED. YOU MUST TAKE ACTION TO PREVENT INJURY AND DAMAGE.
- 3. Once the first deck is installed and the concrete has set for 24 hours you can install the remaining decks working out from the first deck ensuring all decks and posts are square and level as you go.
- 4. Level and plum all posts and decks and then brace them in position.
- 5. Beginning at the lowest deck, install all playground components. When installing the four hole brackets be sure to orientate the bracket so that the setscrew faces down. Use the footing layout at the beginning of this booklet to layout your component holes. Once the entire playground has been installed and the entire unit is level you may start adding the concrete.



### **Step 4: Concrete**

- 1. Verify all posts, decks and components are tight, level and square. Once the unit is verified to be level and square you may start installing concrete. You must use concrete with a minimum of 2,500 psi.
- 2. Always pre mix the concrete to the manufactures directions before pouring it into the hole. Never put dry concrete in the hole. Typically each main posthole requires two 80-pound bags of concrete.
- 3. Allow concrete to set in accordance with manufacturers directions. Fill holes too about 2" below the surface with concrete. Once the hole has been filled with concrete, slope the top of the concrete down and away from the post to keep water from seeping between the post and the concrete.
- 4. Secure playground area to prevent access while the concrete is setting for a minimum of 48 hours.
- SportsPlay recommends having a CPSI (certified playground safety inspector) present during installation. If that's not possible you should have the completed playground (after surfacing is in place) inspected by a CPSI.

### Step 5: Last Step

- 1. After concrete has completely set, backfill all holes with dirt.
- 2. Install surfacing label, 12" from dirt surface on main posts for mulch.
- 3. Install surfacing.



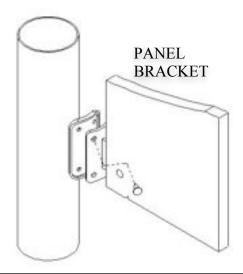
#### Four Hole Bracket & Panel Bracket Installation

#### Tip for installation

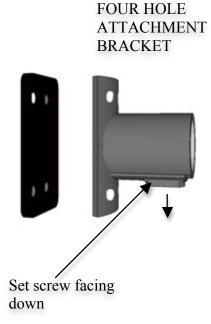
• Use the #7 drill bit to pre-drill all holes when connecting the bracket to the post if you are having trouble with the self-tapping screws

#### Installation

- Always install the brackets with the set screw facing down (refer to the drawing on the right)
- Always install the rubber gasket with the brackets
- After you have installed the brackets and the component completely verify the set screw is tightly in place and smooth out all sharp edges and points
- Use the screw bit included with the hardware
- Do not over tighten screws





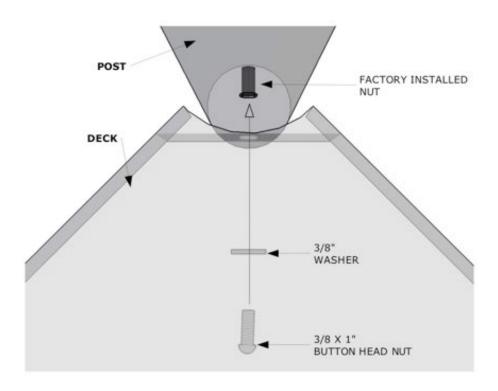


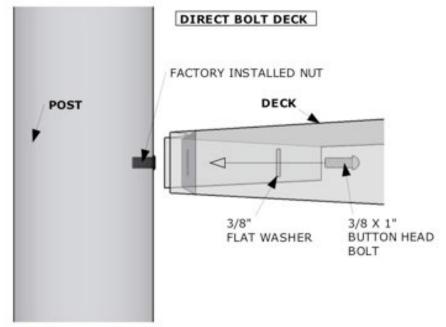


#### **Direct Bolt Deck**

While two people position and hold the deck in place, insert the deck bolt and washer through the deck and into the factory installed nut on the post.

To ensure proper placement, refer to the layout drawing and the post id drawing at the beginning of this guide.







# **Other Installation Tips**

- When attaching a deck to a post sometimes the factory installed nuts
  will spin when tightening the bolt. If this happens simply slide a slim
  flathead screw driver in between the deck and the post and slightly pry
  on the installed nut to keep it from spinning.
- If you are mocking up components with the intention of removing the hardware at some point, you may want to apply lubricating oil to the hardware. Stainless steel hardware has a tendency to seize so if you are planning on removing the hardware you may want to apply lubricant to prevent this.
- **Pre-drill the holes for the four hole bracket** in the posts with the #7 drill bit included with the hardware
- Unless specified in the specific component instruction step, do not tighten the hardware completely until the entire unit is assembled.



#### SUPERVISION GUIDE

Although the equipment is designed, installed and maintained in accordance with all safety guidelines adult supervision is required.

Not all equipment is appropriate for all ages. Direct children to age appropriate equipment.

Younger children will require more supervision than older children.

While eliminating accidents is not likely, following these guidelines will help minimize accidents.

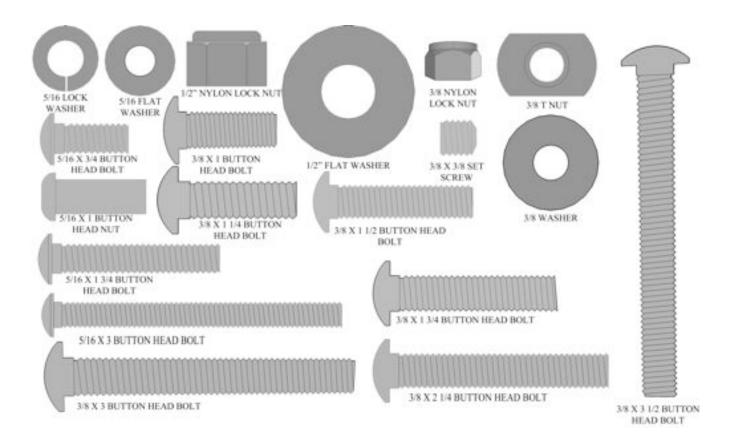
Basic playground safety for supervisors:

- Make sure all safety surfacing is in place and at the correct height.
   Inspect area for hard or sharp objects and remove them.
- No dangerous horseplay in the play area. (Jumping from dangerous heights, displacing of surfacing, etc...)
- Inspecting for missing or broken equipment. (Do not allow children to play on broken equipment or equipment with missing components).
- Make sure there are no unsafe modifications (especially ropes tied to equipment). Remove all unsafe modifications and close the equipment for play until they are removed.
- Keep children in the designated play area.
- Do not let children play on wet equipment.
- Prevent overcrowding on play equipment.

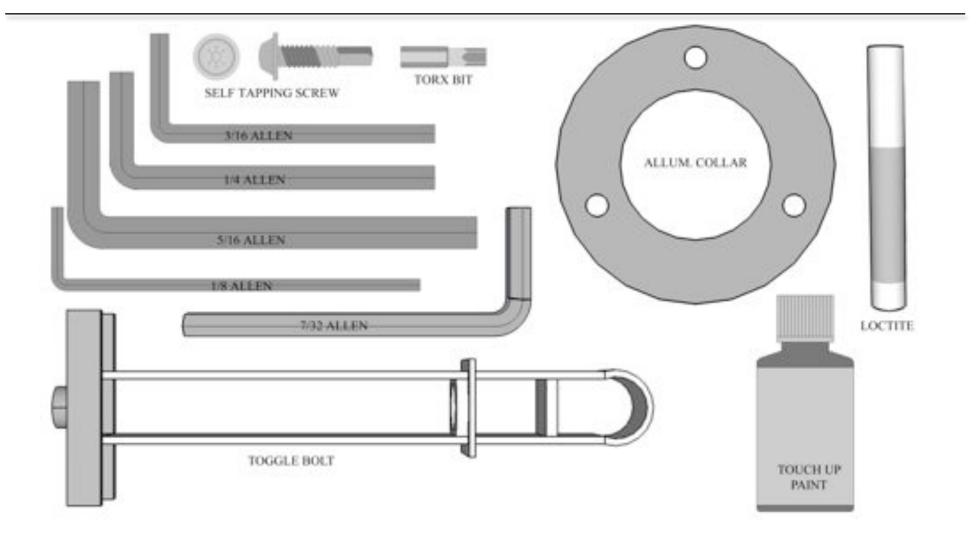
- Loose clothing, hoods, strings or jewelry shall be tight or not worn while playing to prevent strangulation.
- Ensure the temperature of the equipment is not hazardous. Direct sunlight exposure can increase the temperature of the equipment high enough to cause injury.
- Inspect the playground every day using the General Inspection Checklist located in the appendix of this manual
  - The easiest method for performing the daily inspection with the checklist is to laminate the checklist and use a dry erase marker to mark the items off before opening the play area



# **HARDWARE**









# **COMPONENT INSTALLATION INSTRUCTIONS**



# INSTALLATION DETAILS

Recommended crew (Adult): 3

Installation time: 15 min (.75 man hr)

• User age: 2-12

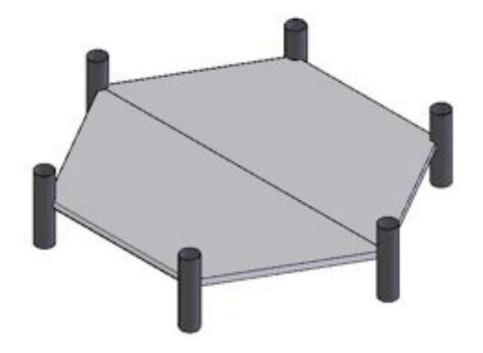
• Use zone: 72" from all edges of deck

• Weight: 258 lbs

**SURFACING:** Use of safety surfacing in compliance with ASTM specification F1292 is required

#### **MAINTENANCE:**

- As the owner of the playground you are responsible for maintenance of the equipment and play area. A maintenance schedule must be developed and the equipment inspected frequently. A maintenance section that includes component specific maintenance requirements is included at the end of this manual.
- Be sure to inspect surfacing for foreign objects that could cause injury and that sufficient surfacing is in place in accordance with ASTM and CPSC standards.

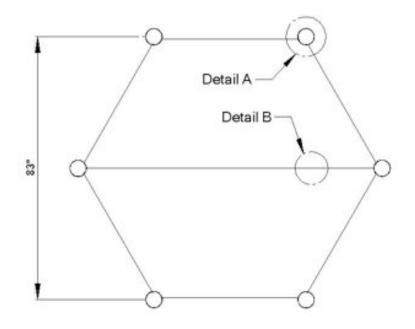


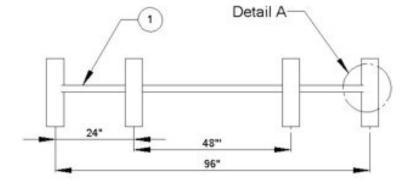


# **PARTS LIST**

ID	PART #	DESCRIPTION	QTY
1	923-180	Half Hex Deck 48" for 5"	2
		Clampless system	
2	126-703	3/8"x1" Button Head Bolt	12
3	316-601	3/8" Flat Washer	16
4	226-602	3/8" Locknut	4

**NOTE:** Keep a copy of these instructions on file to assist you with maintenance and replacement parts.







#### **SPECIFICATIONS**

- Deck 12 GA HRPO steel
- Hardware Stainless steel & tamper resistant
- Coating Electrostatically applied thermoplastic coating

### **INSTALLATION TIPS & TROUBLE SHOOTING**

- Should the factory installed nut on the post spin while you are attaching the deck simply insert a flat head screw driver between the post and deck and put some leverage onto the nut while installing the bolt
- Apply locktite to all bolts during assembly prior to completely tightening them.
- Stainless Steel hardware can occasionally be difficult to use particularly if you need to take them out to make an adjustment. It is recommended that you add a drop of oil to bolts that may have to be removed before you install them.
- Do not tighten bolts all the way until the unit is completely assembled and all components are square and level.
- Identify and separate all parts by referencing the detail drawings and the parts list.
- As you unpack and separate the components, use the cardboard sheets that were used for packing and shipping to prevent damage to the components. This is particularly true all Powder Coated and Thermoplastic coated components, by setting the components on top of the cardboard.

February 17, 2010

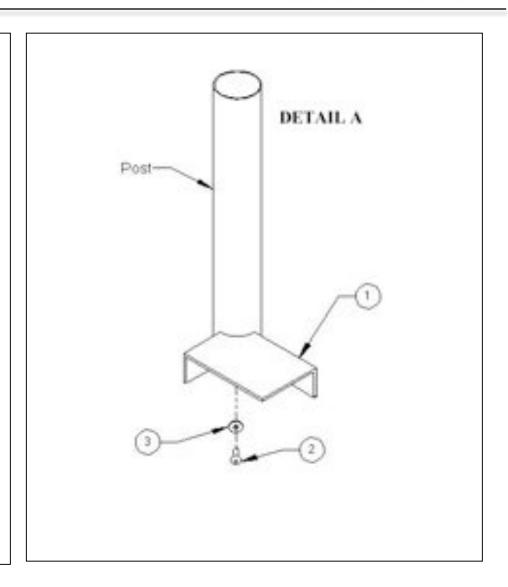


### **BEFORE YOU BEGIN**

In addition to the components on the packing list you will need a level and blocking material.

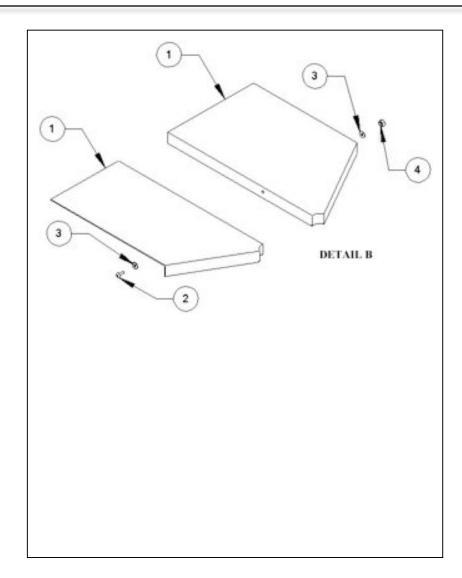
### **INSTALLATION STEPS**

- 1) Review all instructions before beginning
- \_\_2) **Unpack, organize, and identify all components:** Be sure to place all painted components on a protective surface (cardboard, cloth, etc...) to prevent damage.
- \_\_3) Locate placement of the Hex Deck: See top down view or the post layout plan of your instruction booklet.
- \_4) Attach the first Half Hex deck to the posts: Using one 3/8"x1" Button Head Bolt (2), with one 3/8" Flat Washer (3) installed on the bolt, insert it through the factory punched slot in the Half Hex deck. The bolt then threads into the factory installed nut in the post that the deck connects to. Repeat this step for all corners of the first Half Hex deck. (Refer to Detail A)
- \_\_5) Attach the second Half Hex Deck: Attach the second Half Hex deck in the same manner as the first Half Hex Deck.
- \_\_6) **Bolt decks Together:** Using one 3/8"x1" Button Head Bolt (2), with one 3/8" Flat Washer (3) installed on the bolt, insert it through the factory punched slot where the Half Hex Decks meet. Secure the bolt with a 3/8" Flat Washer and one 3/8" locknut. Repeat this step four times, evenly spaced along the seam of the Half Hex decks. (Refer to Detail B)





- \_\_7) Once the entire playground has been installed and you have verified that the entire playground is level you can **add the concrete to the footing holes**. Be sure to use concrete with a minimum 2,500 psi and mix the concrete per the manufacturer's directions before you pour it into the footing hole. Once the footing has been filled with concrete you should rope of the area for a minimum of 48 hours to allow the concrete set properly.
- \_\_8) **Once the concrete has set**, back fill dirt over the footing holes; inspect the area and components for tools, hazardous debris and sharp edges. Verify all components are installed and all hardware is tight and then install the safety surfacing.
- \_\_9) Inspect **the components:** for sharp edges and if necessary file them down and apply touch up paint





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February 17, 2010



# INSTALLATION DETAILS

• Recommended crew (Adult): 3

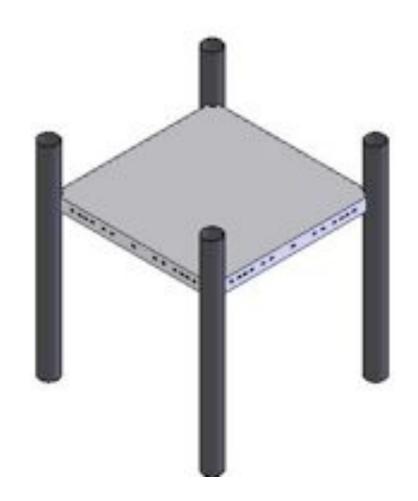
• Installation time: 15 min (.75 man hr)

User age: 2-12Use zone: 72"Weight: 79

**SURFACING:** Use of safety surfacing in compliance with ASTM specification F1292 is required

#### **MAINTENANCE:**

- As the owner of the playground you are responsible for maintenance of the equipment and play area. A maintenance schedule must be developed and the equipment inspected frequently. A maintenance section that includes component specific maintenance requirements is included at the end of this manual.
- Be sure to inspect surfacing for foreign objects that could cause injury and that sufficient surfacing is in place in accordance with ASTM and CPSC standards

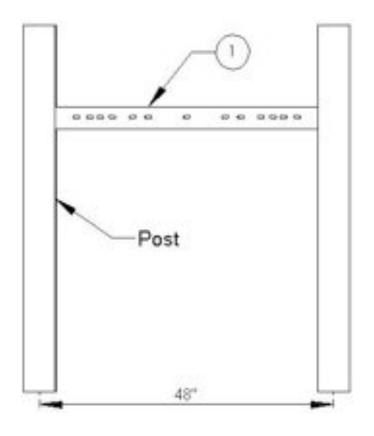




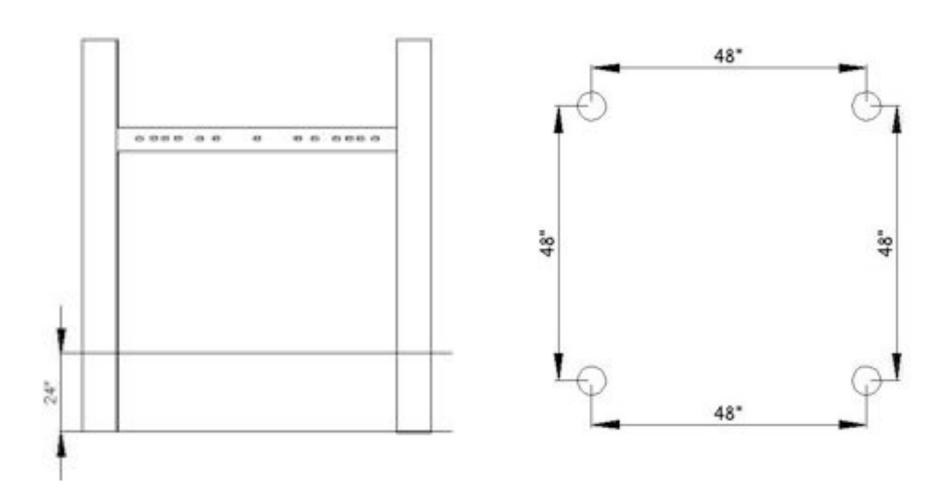
### **PARTS LIST**

ID	PART #	DESCRIPTION	QTY
1	923-177	Square Deck 48" for 5" Clamp	1
		less system	
2	126-703	3/8"x1" Button Head Bolt	4
3	316-601	3/8" Flat Washer	4

**NOTE:** Keep a copy of these instructions on file to assist you with maintenance and replacement parts.







February 17, 2010



# 922-177 SQUARE DECK 48" FOR 5"CLAMPLESS SYSTEM INSTALLATION INSTRUCTION

#### **SPECIFICATIONS**

- Deck-12 GA HRPO steel
- Hardware Stainless steel & tamper resistant
- Paint Electrostatically applied & oven cured thermoplastic powder coat

### INSTALLATION TIPS & TROUBLE SHOOTING

- Should the factory installed nuts on the posts start spinning while trying to attach the decks, simply insert a flat head screw driver under the lip or the nut and tighten the bolt.
- Apply locktite to all bolts during assembly prior to completely tightening them.
- Stainless Steel hardware can occasionally be difficult to use particularly if you need to take them out to make an adjustment. It is recommended that you add a drop of oil to bolts that may have to be removed before you install them.
- Do not tighten bolts all the way until the unit is completely assembled and all components are square and level.
- Identify and separate all parts by referencing the detail drawings and the parts list.
- As you unpack and separate the components, use the cardboard sheets that were used for packing and shipping to prevent damage to the components. This is particularly true all Powder Coated and Thermoplastic coated components, by setting the components on top of the cardboard.

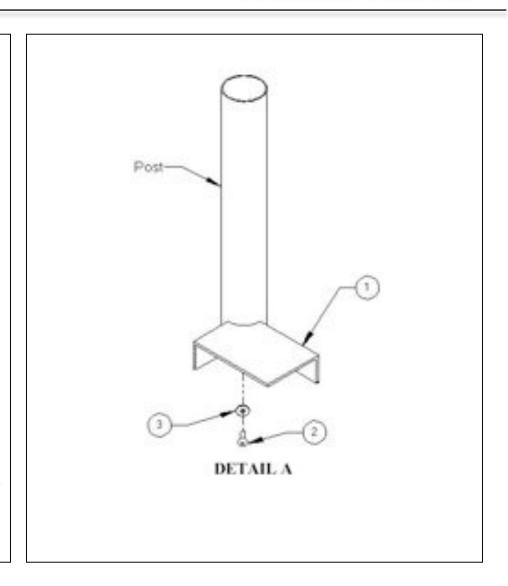


### **BEFORE YOU BEGIN**

In addition to the components on the packing list you will need a level and blocking material.

### **INSTALLATION STEPS**

- 1) Review all instructions before beginning
- \_\_2) **Unpack, organize, and identify all components:** Be sure to place all painted components on a protective surface (cardboard, cloth, etc...) to prevent damage.
- \_\_3) Locate placement of the Square Deck: See top down view of your instruction booklet
- \_\_4) Attach Square deck to post: Using one 3/8"x1" Button Head Bolt (2), with one 3/8" Flat Washer (3) installed on the bolt, insert it through the factory punched slot in the Square deck. The bolt then threads into the factory installed nut in the post that the deck connects to. Repeat this step for all corners of the square deck.
- \_\_5) Once the entire playground has been installed and you have verified that the entire playground is level you can **add the concrete to the footing holes**. Be sure to use concrete with a minimum 2,500 psi and mix the concrete per the manufacturer's directions before you pour it into the footing hole. Once the footing has been filled with concrete you should rope of the area for a minimum of 48 hours to allow the concrete set properly.





\_\_6) **Once the concrete has set**, back fill dirt over the footing holes; inspect the area and components for tools, hazardous debris and sharp edges. Verify all components are installed and all hardware is tight and then install the safety surfacing.

\_\_7) **Inspect the components:** for sharp edges and if necessary file them down and apply touch up paint



#### INSTALLATION DETAILS

Recommended crew (Adult): 2

Installation time: 1.5 hr (3 man hrs)

■ User age: **5-12** 

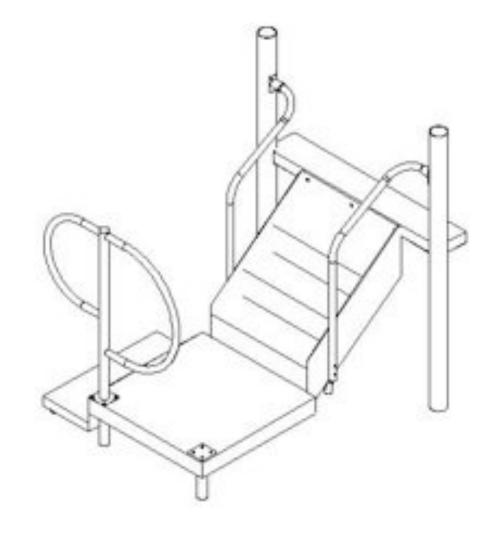
Use zone: 72" from all edges of deck

• Weight: 165 lbs

**SURFACING:** Use of safety surfacing in compliance with ASTM specification F1292 is required.

#### **MAINTENANCE:**

- As the owner of the playground you are responsible for maintenance of the equipment and play area. A maintenance schedule must be developed and the equipment inspected frequently. A maintenance section that includes component specific maintenance requirements is included at the end of this manual.
- Be sure to inspect surfacing for foreign objects that could cause injury and that sufficient surfacing is in place in accordance with ASTM and CPSC standards.

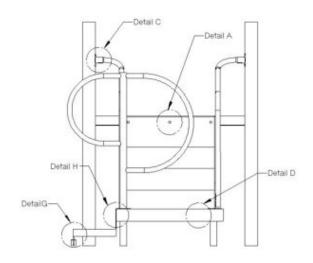


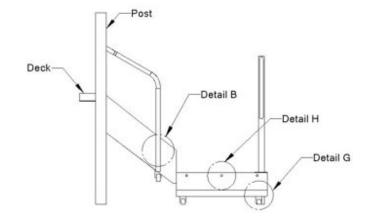


### **PARTS LIST**

ID	PART #	DESCRIPTION	QTY
1	923-206	3' Transfer Station Stairs	1
2	923-211	Transfer Station Platform	1
3	923-210	Transfer Station Step	1
4	923-209	Transfer Station Cover Plate	1
5	923-208	Transfer Station Support Post	1
6	913-230	Transfer Point Inside Leg	4
7	913-426	Transfer Point Handhold Post	1
8	913-202	Transfer Point Handrail Left 3'	1
9	913-203	Transfer Point Handrail Right 3'	1
10	126-703	3/8"x1" Button Head Bolt	12
11	126-701bps	3/8"x 1 <sup>1</sup> / <sub>4</sub> " Button Head Bolt	10
12	316-601	3/8" Flat Washers	54
13	226-602	3/8" locknut	27
14	126-709bps	3/8"x 2 ½" Button Head Bolt	4
15	913-402	Four Hole Attachment Bracket	2
16	905-208	Gasket for Attachment Bracket	2
17	905-526	Self Tapping Screw	8
18	106-807	3/8"x3/8" Set Screw	2

**NOTE:** Keep a copy of these instructions on file to assist you with maintenance and replacement parts.

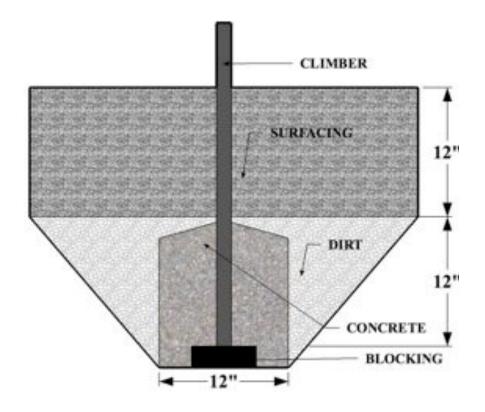






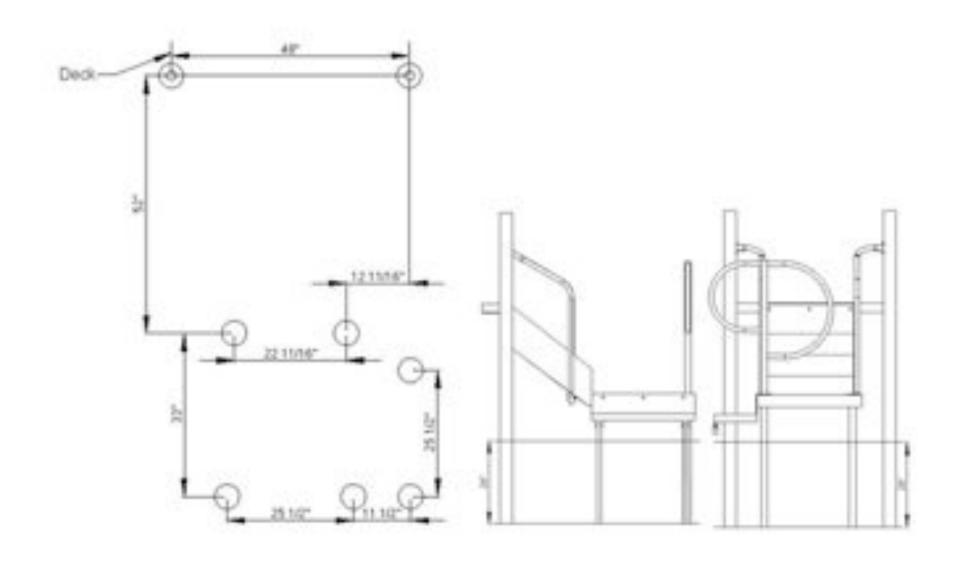
### FOOTING INFORMATION

- Total footing depth is 24" less the height of the surfacing plus the height of the blocking material. If you are using 12" of surfacing the footing hole would need to be 12" plus the height of the blocking material (refer to both the side and front cutaway views to the right).
- If the Play structure is installed on an unlevel grade you must adjust the footing depth to accommodate the grade. For instance, if the grade for this component is 1" higher than the surface grade of the main playground post you must dig your footing hole 1" deeper.
- You must place the bottom of the support post or slide leg on a suitable flat blocking material to prevent it from sinking further into the soil. We recommend you use a brick, block of wood or several inches of gravel. The footing depth does not include this blocking material since materials used often vary.
- It is the owner/installers responsibility to check local building codes and to comply with those codes. All footing depths listed here are recommendations and local soil types and frost lines may require a deeper and/or wider footing depth. If that's the case you must add more blocking material to accommodate the deeper footing, as the post length will still only be installed at the depth listed in this instruction manual.
- Assemble the entire unit before adding the concrete unless instructed to do so in the individual component instruction sections.



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#### **SPECIFICATIONS**

- Deck and Steps-12 GA HRPO steel
- Deck & Step Coating Electrostatically applied & oven cured thermoplastic powder coat.
- Tube NEED SPECS
- Tube Paint Electrostatically applied & oven cured powder coat
- Hardware Stainless steel & tamper resistant
- Attachment Bracket Powder coated cast aluminum

#### **INSTALLATION TIPS & TROUBLE SHOOTING**

- SportsPlay Equipment Inc. recommends pre-drilling the holes in the post when attaching a four-hole bracket with a number #7 drill bit. This will make the attachment of the four-hole bracket with the self-tapping screws easier and it will prevent damage to the screw head during installation.
- Apply locktite to all bolts during assembly prior to completely tightening them.
- Stainless Steel hardware can occasionally be difficult to use particularly if you need to take them out to make an adjustment. It is recommended that you add a drop of oil to bolts that may have to be removed before you install them.
- Do not tighten bolts all the way until the unit is completely assembled and all components are square and level.
- Identify and separate all parts by referencing the detail drawings and the parts list.
- As you unpack and separate the components, use the cardboard sheets that were used for packing and shipping to prevent damage to the components. This is particularly true all Powder Coated and Thermoplastic coated components, by setting the components on top of the cardboard.

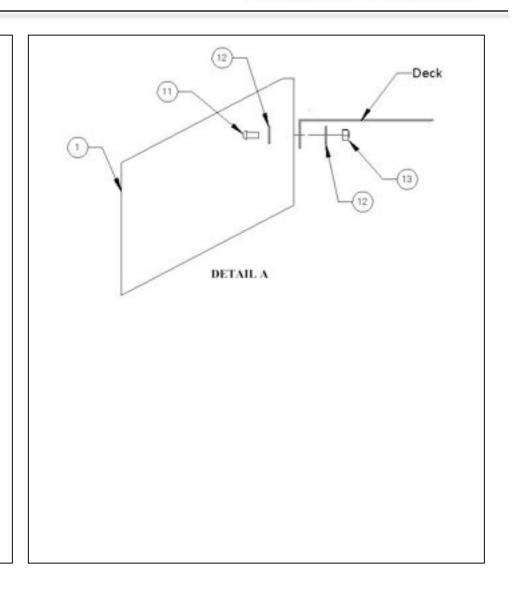


#### **BEFORE YOU BEGIN**

In addition to the components on the packing list you will need a level, blocking material, 9/16 wrench, shovel, tape measure and a post hole digger.

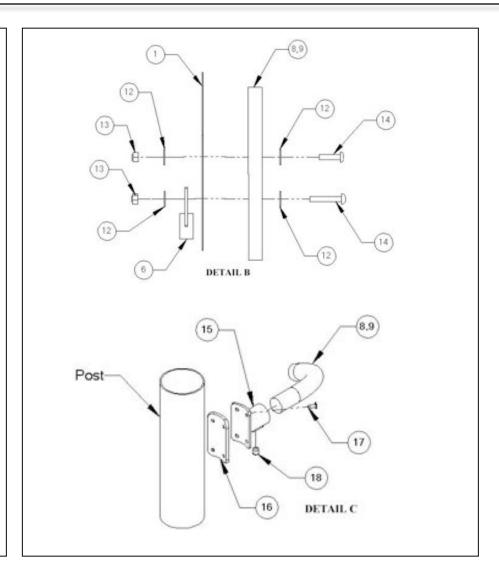
### **INSTALLATION STEPS**

- \_1) Review all instructions before beginning
- \_\_2) **Unpack, organize, and identify all components:** Be sure to place all painted components on a protective surface (cardboard, cloth, etc...) to prevent damage.
- \_\_3) Locate placement of the Transfer Station: See top down view at the beginning of your instruction booklet.
- \_\_4) **Dig Footing Holes:** Refer to the Footing Diagram on page 4 of this instruction set.
- \_\_5) Install Transfer Station Stairs: The Transfer Station Stairs (1) will connect using four 3/8"x 1 Button Head Bolts (10), eight 3/8" Flat Washers (12), and four 3/8" Locknuts (13). Place One 3/8" Flat Washer on to each of the four 3/8"x 1 Button Head Bolts. Insert the Bolt and Washer assembly through the top holes of the stairs, then through the factory punched hole in the deck that the Transfer Station installs to. (See detail A) Secure this with a 3/8" Flat Washer and Locknut. Do not tighten the Locknut until the stairs are level. Repeat these steps until all four bolts are installed in the stairs. After the bolts are installed, level and block the stairs. Now you can tighten the four bolts to secure the stairs.



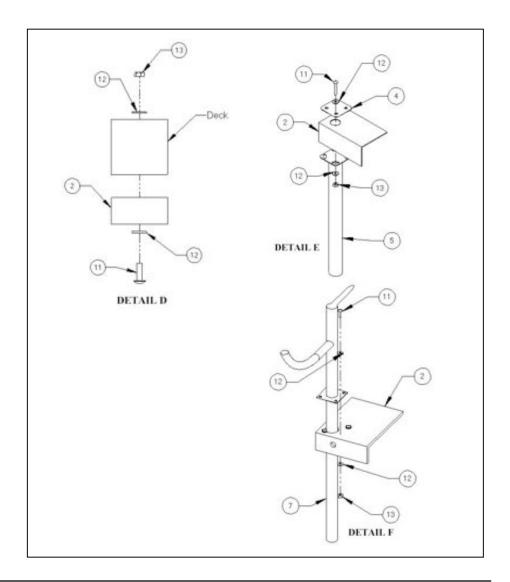


6) Install Handrails And Inside step Legs: You will need both the Left (8) and Right (9) Handrails, two Inside Step Legs. four 3/8"x 2 ½" Button Head Bolts, eight 3/8" Flat Washers, four 3/8" Locknuts, two Four Hole Attachment Brackets (15), two Gaskets for Attachment Brackets (16), eight Self tapping Screws (17), and two 3/8" x 3/8" Set screws. Place one 3/8" Flat Washer on to each of the 2 ½"Button Head Bolts. Insert this through the bottom hole on the Handrail, then through the bottom hole in the side of the stair. Now place the step leg into the footing hole and onto the 3/8"x 2 1/2" Button Head Bolt, the flat side of the inside step leg should touch the inside of the Transfer Station Stairs. Secure this with a second 3/8" Flat Washer and 3/8" Locknut. (See detail B) Install a second 3/8"x 2 ½" Button Head Bolt and 3/8" Flat washer into the top hole of the Handrail. Place one of the Four Hole Attachment Brackets on the bent end of the Handrail and mark the holes on the post that it connects to. Drill the holes and install the Four Hole Attachment Bracket to the post. With the hole in the Four Hole Attachment Bracket facing the ground, attach it to the post using four Self tapping Screws, the Attachment Bracket Gasket will install between the Bracket and the post. Now you need to install the 3/8" x 3/8" set screw into the threaded insert in the Four Hole Attachment bracket to secure the Handrail to the post. (See detail C) Repeat this for the other handrail.



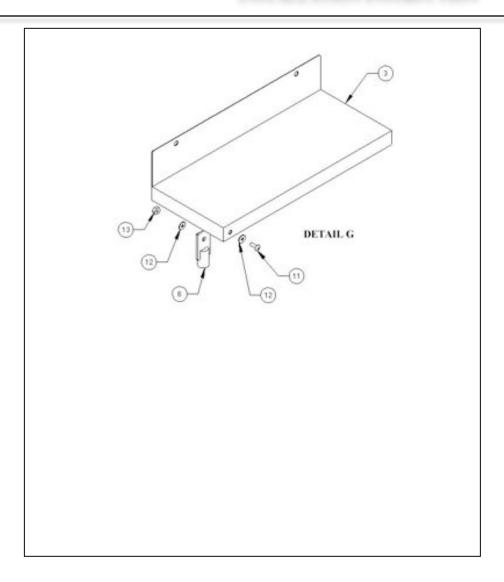


7) **Install Transfer Station Platform:** This will install to the bottom part of the Transfer Station Stairs. To do this you will need the Transfer Station Platform (2), Transfer Station Cover Plate (4), Transfer Station Support Post (5), Transfer Point Handhold Post(7), four 3/8"x 1" Button Head Bolts (10), eight 3/8"x 1 1/4" Button Head Bolts (11), twenty Four 3/8" Flat washers (12), and twelve 3/8" Locknuts. First start by placing a 3/8" Flat Washer onto each of the 3/8" bolts. Now you can attach the transfer Station Platform to the Transfer Station Stairs. Insert one of the 3/8" x 1" Button Head Bolts into one of the factory punched holes in the Transfer Station Platform. Now you can place the bolt through the Transfer Station Stairs and secure it with a 3/8" Flat Washer and 3/8" Locknut. (See detail D) Do not tighten these bolts until the deck has been leveled. Next place the Transfer Station Support Post into the footing hole opposite of the desired location of the Transfer Station Step. Place one 3/8" Flat Washer onto each or the 3/8" x 1 1/4" Button Head Bolts and insert them into the Transfer Station Cover Plate through the Transfer Station Platform and Transfer Station support post, then secure the four 3/8" x 1 ½" Button Head Bolts with a 3/8" Flat Washer and 3/8" Locknut on each bolt. (See detail E) Now you will need the Transfer Station Handhold Post. It will drop through the transfer Station Platform and into the footing Hole. Use the remaining four 3/8" x 1 1/4" Button Head Bolts, 3/8" Flat Washers, and 3/8" Locknuts to secure it to the Transfer Station Platform. (See detail F)





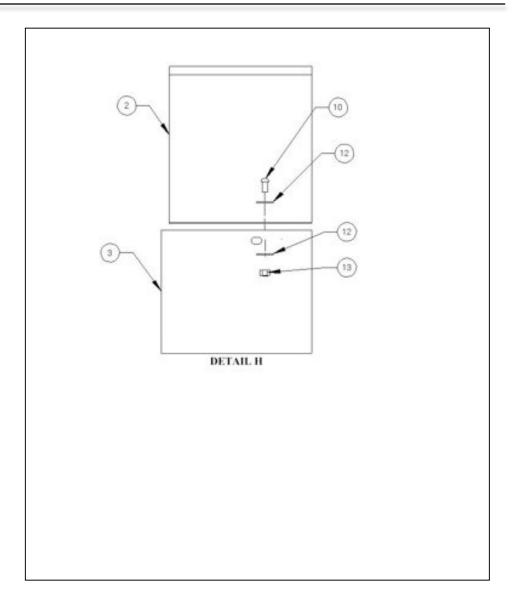
- 8) **Install the Transfer Station Step:** To complete this step you will need the Transfer Station step (3), two Transfer Point Inside Legs (6), three 3/8"x 1" Button Head Bolts (10), two 3/8"x 1 1/4" Button Head Bolts (11), ten 3/8" Flat Washers, and five 3/8" Locknuts. First install the Transfer Point Inside Legs to the Transfer Station step. Using a 3/8" x 1 1/4" Button Head bolt with a 3/8" Flat Washer on each insert them through the Transfer Station Step. Place the flat side of the Transfer Point Inside Leg against the Transfer Station step and secure them with a 3/8" Flat Washer and a 3/8" Locknut. (See detail G) Place the Transfer Point Inside legs into their footing holes, then you need to place one 3/8" Flat Washer onto each of the three 3/8" x 1" Button Head Bolts, insert this assembly through the top of the Transfer Station Step and into the factory punched hole in the Transfer Station Platform. Secure the Transfer Station Step to the transfer Station Platform with a 3/8" Flat Washer and a 3/8" Locknut. (See detail H) Level the Transfer Station Platform and Transfer Station Step before you tighten the bolts.
- \_\_9) Once the entire playground has been installed and you have verified that the entire playground is level you can **add the concrete to the footing holes**. Be sure to use concrete with a minimum 2,500 psi and mix the concrete per the manufacturer's directions before you pour it into the footing hole. Once the footing has been filled with concrete you should rope of the area for a minimum of 48 hours to allow the concrete set properly.



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- \_\_10) **Once the concrete has set**, back fill dirt over the footing holes; inspect the area and components for tools, hazardous debris and sharp edges. Verify all components are installed and all hardware is tight and then install the safety surfacing.
- \_\_11) Inspect **the components:** for sharp edges and if necessary file them down and apply touch up paint.



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#### INSTALLATION DETAILS

Recommended crew: 2

Installation time: 2 Hours (4-man hours)

User age: 2-12 YearsUse zone: 6' on all sides

• Weight: 150 lbs.

SURFACING: Use of safety surfacing in compliance with the current ASTM specification F1292 is required.

#### **MAINTENANCE:**

- As the owner of the playground, you are responsible for maintenance of the equipment and play area. A maintenance schedule must be developed, and the equipment inspected frequently. A maintenance section that includes component specific maintenance requirements is included at the end of this manual.
- Be sure to inspect surfacing for foreign objects that could cause injury and that enough surfacing is in place in accordance with ASTM (<u>www.astm.org</u>) and CPSC (<u>www.cpsc.gov</u>) standards.

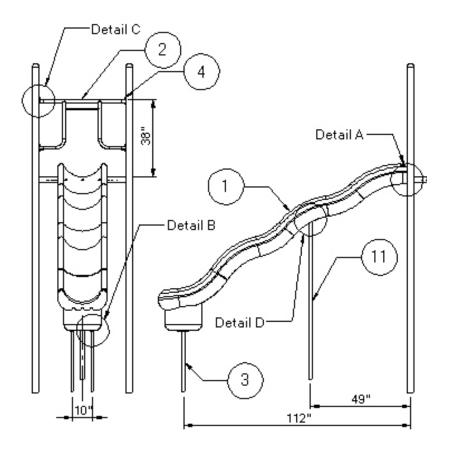




# PARTS LIST

ID	PART #	DESCRIPTION	QTY
1	435-608	Bump Wave Slide	1
2	923-200	Slide Guard	1
3	903-214	Slide Leg	2
4	913-402	Four Hole Attachment Bracket	4
5	905-208	Gasket for Attachment Bracket	4
6	905-526	1/4" Self Tapping Pinned Screw	16
7	126-706	3/8 x 1 <sup>3</sup> / <sub>4</sub> " Button Head Bolt	3
8	316-601	3/8" Washer	11
9	126-702	3/8" x 3/4" Button Head Bolt	8
10	196-807	3/8" x 3/8" Socket Set Screw	4
11	903-286	Center Support	1

**NOTE:** Keep a copy of these instructions on file to assist you with maintenance and replacement parts.

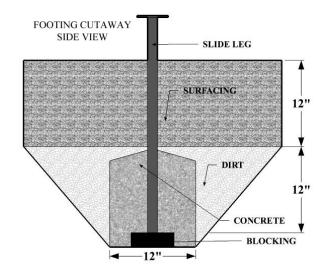


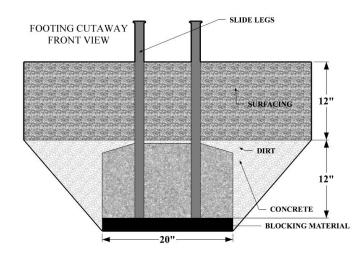
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#### FOOTING INFORMATION

- Place the bottom of the support post, center support, and slide leg on a suitable flat blocking material to prevent it from sinking further into the soil. We recommend you use a brick, block of wood or several inches of gravel. The footing depth does not include this blocking material since materials used often vary.
- Total footing depth is 24" less the height of the surfacing plus the height of the blocking material. If using 12" of surfacing the footing hole would need to be 12" plus the height of the blocking material (refer to both the side and front cutaway views to the right).
- If the Play structure is installed on an unlevel grade, adjust the footing depth to accommodate the grade. For instance, if the grade for this component is 1" higher than the surface grade of the main playground post, dig your footing hole 1" deeper.
- It is the owner/installers responsibility to check local building codes and to comply with those codes. All footing depths listed here are recommendations. Local soil types and frost lines may require a deeper and/or wider footing depth. If that is the case, add more blocking material to accommodate the deeper footing, as the post length will still only be installed at the depth listed in this instruction manual.
- Assemble the entire unit before adding the concrete unless instructed to do so in the individual component instruction sections.

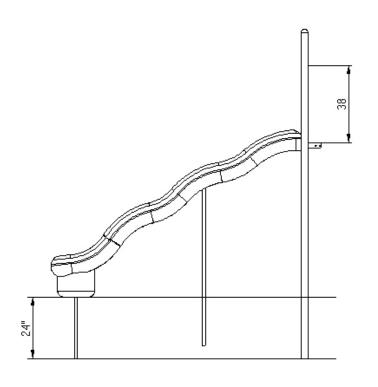


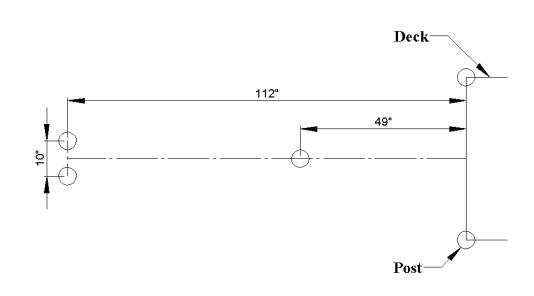


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# **ELEVATION & FOOTING**







#### **SPECIFICATIONS**

- Slide 3/8" walled rotationally molded LLDPE
- Paint Electrostatically applied & oven cured powdercoat
- Hardware Stainless steel & tamper resistant
- Tube FloCoat® Galvanized 1 3/8" OD and 1" OD.
- Attachment Bracket Powder coated cast aluminum

## **SPECIAL SAFETY COMPLIANCE NOTES**

- ASTM F1487 8.5.5.2 The run-out slope of slide exit region must be between 0 and -4 degrees.
- ASTM F 1487 8.5.5.3 For slides with an elevation of no greater than 48 in., the height of the exit region shall be no greater than 11 in. above the protective surfacing. For slides with an elevation greater than 48 in., the height of the exit region shall be between 7 in. and 15 in. above the protective surfacing.

#### **INSTALLATION TIPS & TROUBLE SHOOTING**

- SportsPlay Equipment Inc. recommends pre-drilling the holes in the post when attaching a four-hole bracket with a number #7 drill bit. This will make the attachment of the four-hole bracket with the self-tapping screws easier and it will prevent damage to the screw head during installation.
- Apply locktite to all bolts during assembly prior to completely tightening them.
- Stainless Steel hardware can occasionally be difficult to use particularly if you need to take it out to make an adjustment. It is recommended that you add a drop of oil to bolts that may have to be removed before you install it.
- Do not tighten bolts all the way until the unit is completely assembled, and all components are square and level.
- Identify and separate all parts by referencing the detail drawings and the parts list.
- When unpacking and separating the components, use the cardboard sheets that were used for packing and shipping to prevent damage to the components by setting the components on top of the cardboard. This is particularly true for all Powder Coated and Thermoplastic coated components.

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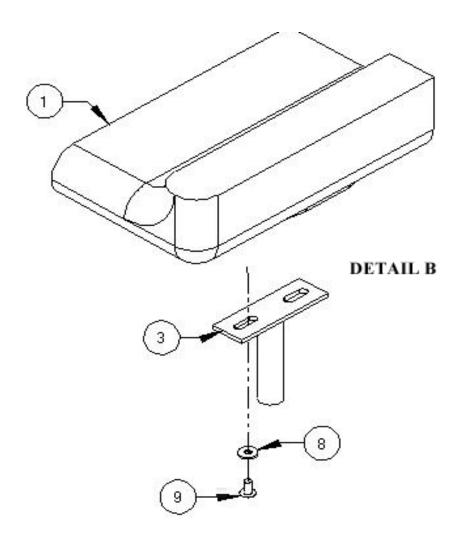


#### **BEFORE YOU BEGIN**

In addition to the components on the packing list, needed will be concrete, shovel, post-hole digger, tape measure, ground marking (for marking the footing location), drill, hex wrenches and a dry erase marker.

#### INSTALLATION STEPS

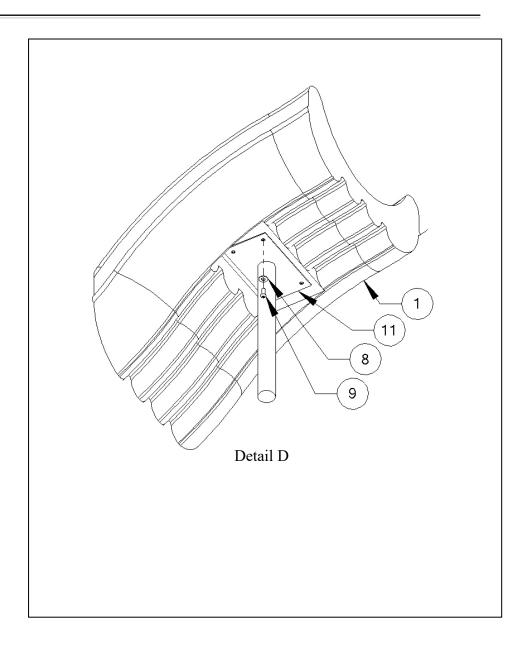
- 1. Review all instructions before beginning.
- \_\_2. Unpack, organize, and identify all components. Be sure to place all painted components on a protective surface (cardboard, cloth, etc...) to prevent damage.
- \_\_3. **Dig footing holes**. Referencing the footing cutaway drawings on page 3, and the footing layout and elevation views on page 4 of this component's instruction. Mark and dig the footings as instructed for the slide legs and center support (Footing depth is 24" less the amount of surfacing used plus the thickness of the blocking material). SportsPlay recommends setting the slide up to the deck and using the slide to mark the position of the slide legs to establish the location of the required footing.
- \_\_4. **Attach slide legs** (3) to the bottom of the slide by inserting a 3/8" x 3/4" bolt (9) and 3/8" washer (8) through the plate on the slide leg (3) and into the factory installed nut on the underneath the exit end of the slide (Detail B). Once all bolts are in place, tighten.



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- \_\_5. Attach center support (11) to the bottom of the slide by inserting a 3/8" x 3/4" bolt (9) and 3/8" washer (8) through the plate on the center support (11) and into the factory installed nut on the underneath the center of the slide (Detail D). Once all bolts are in place, tighten.
- \_\_6. With help, place the slide legs and center support into the footing holes and attach the slide to the playground deck.

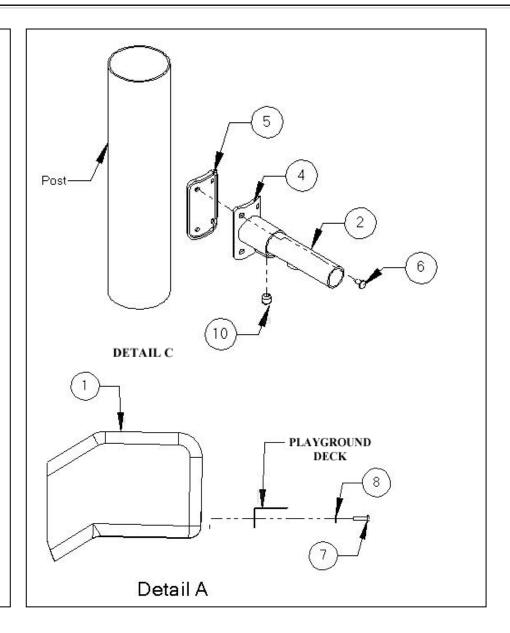


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- \_\_7. Using the 3/8" x 1 3/4" bolts (7) and 3/8" washers (8), **attach the slide to the deck** by inserting the bolts and washers through the holes in the deck and into the factory installed nuts at the entrance to the slide (Detail A).
- \_\_8. Measure up the playground post from the deck 38" and mark that location on both of the playground posts. This mark represents the attachment point for the top of the slide guard (reference the front view drawing on page 2).
- \_\_9. Slide all four of the four-hole attachment brackets on to the ends of the slide guard (ensure the hole for the set screw on the bracket is facing down). After you have put the brackets onto the slide guard and attached the gaskets (5). Put the slide guard in place between the posts by lining up the top of the slide guard with the mark you made on the post in step 8. Attach the slide guard to the posts by screwing the self-tapping screws (6) through the four-hole brackets and gaskets and into the playground post using the Torx bit and drill (Detail C). Repeat step on the remaining three brackets.

TIP: It's easier to install the self-tapping screws if you predrill the holes in the post with a #7 drill bit by marking the hole locations with a dry erase marker after you have put the guard wall into position.



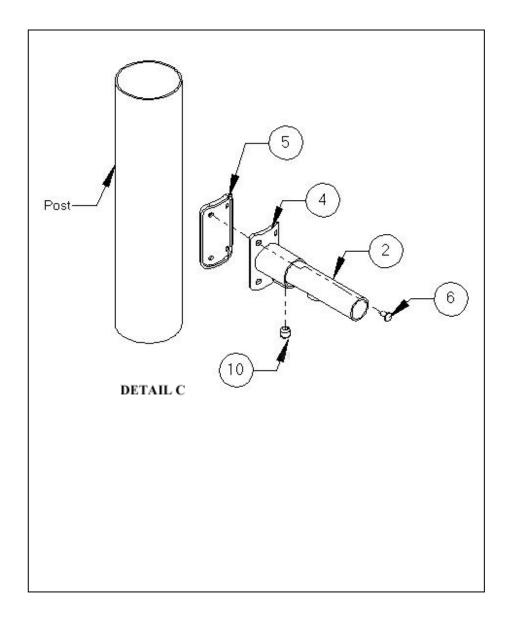
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#### **INSTALLATION INSTRUCTIONS CONTINUED**

- \_\_10. Insert the 3/8" x 3/8" socket set screws (10) into the threaded hole on the bottom side of the four-hole attachment brackets (4) and tighten (Detail C).
- \_\_11. Level and square the slide making sure to keep 7" to 15" of spacing from the slide bed to the top of the safety surfacing.
- \_\_12. Once slide is in position and have verified its square and level, **tighten the bolts connecting the slide to the deck.**
- \_\_13. **Inspect the components** for sharp edges. If necessary, file them down and apply touch up paint.
- \_\_14. Once the entire playground has been installed and it has been verified that the entire playground is level, **add the concrete to the footing holes**. Be sure to use concrete with a minimum 2,500 psi and mix the concrete per the manufacturer's directions before you pour it into the footing hole. Once the footing has been filled with concrete, rope of the area for a minimum of 48 hours to allow the concrete set properly.
- \_\_15. Once the concrete has set, back fill dirt over the footing holes and inspect the area and components for tools, hazardous debris, and sharp edges. Verify all components are installed and all hardware is tight before installing the safety surfacing.
- \_\_16. **Install labeling** as instructed in the appendix of the instruction manual.



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#### INSTALLATION DETAILS

Recommended crew: 2

Installation time: 2 Hours (4 man hours)

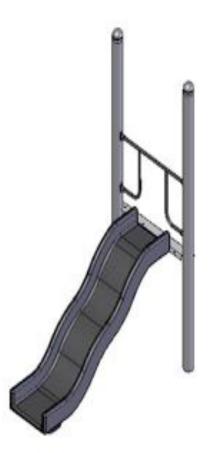
User age: 2-12 YearsUse zone: 6' on all sides

■ Weight: 4' Slide 902-284 – 67 lbs.

SURFACING: Use of safety surfacing in compliance with the current ASTM specification F1292 is required.

#### **MAINTENANCE:**

- As the owner of the playground you are responsible for maintenance of the equipment and play area. A maintenance schedule must be developed and the equipment inspected frequently. A maintenance section that includes component specific maintenance requirements is included at the end of this manual.
- Be sure to inspect surfacing for foreign objects that could cause injury and that sufficient surfacing is in place in accordance with ASTM (www.astm.org) and CPSC (www.cpsc.gov) standards.

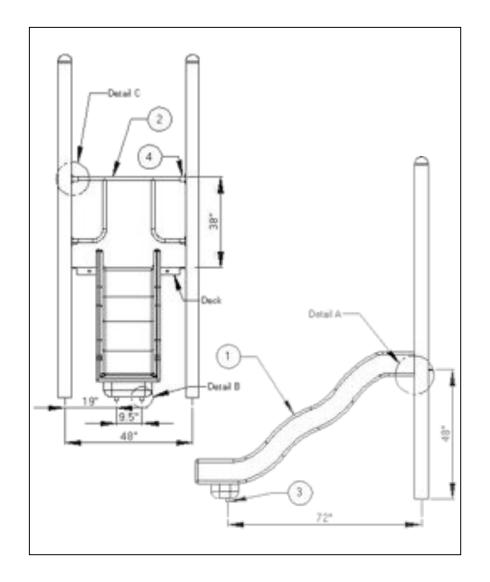




### **PARTS LIST**

ID	PART #	DESCRIPTION	QTY
1	4' 435-609	Bump Wave Slide	1
2	923-200	Slide Guard	1
3	903-214	Slide Leg	2
4	913-402	Four Hole Attachment Bracket	4
5	905-208	Gasket for Attachment Bracket	4
6	905-526	1/4" Self Tapping Pinned Screw	16
7	126-706	3/8 x 1 3/4 Button Head Bolt	2
8	316-601	3/8 Washer	6
9	126-702	3/8 x <sup>3</sup> / <sub>4</sub> Button Head Bolt	4
10	196-807	3/8 x 3/8 Socket Set Screw	4

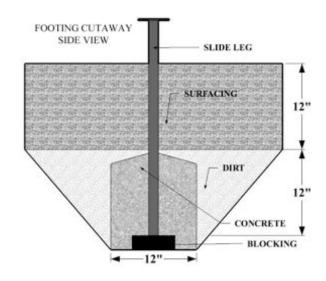
**NOTE:** Keep a copy of these instructions on file to assist you with maintenance and replacement parts

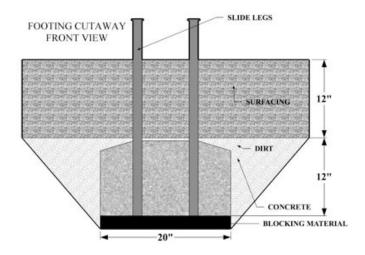




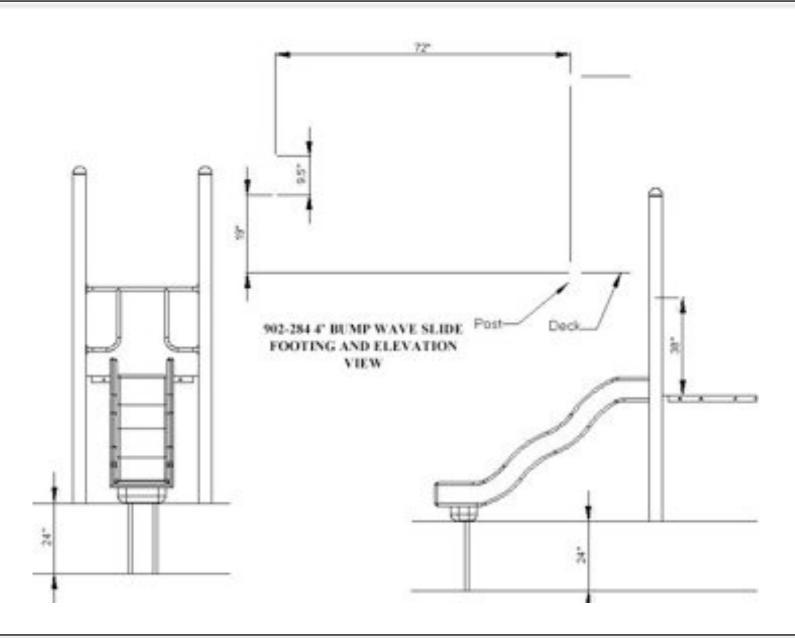
### FOOTING INFORMATION

- You must place the bottom of the support post or slide leg on a suitable flat blocking material to prevent it from sinking further into the soil. We recommend you use a brick, block of wood or several inches of gravel. The footing depth does not include this blocking material since materials used often vary.
- Total footing depth is 24" less the height of the surfacing plus the height of the blocking material. If you were using 12" of surfacing the footing hole would need to be 12" plus the height of the blocking material (refer to both the side and front cutaway views to the right).
- If the Play structure is installed on an unlevel grade you must adjust the footing depth to accommodate the grade. For instance, if the grade for this component is 1" higher than the surface grade of the main playground post you must dig your footing hole 1" deeper.
- It is the owner/installers responsibility to check local building codes and to comply with those codes. All footing depths listed here are recommendations and local soil types and frost lines may require a deeper and/or wider footing depth. If that's the case you must add more blocking material to accommodate the deeper footing, as the post length will still only be installed at the depth listed in this instruction manual.
- Assemble the entire unit before adding the concrete unless instructed to do so in the individual component instruction sections.











### **SPECIFICATIONS**

- Slide 3/8" walled rotationally molded LLDPE
- Paint Electrostatically applied & oven cured powdercoat
- Hardware Stainless steel & tamper resistant
- Tube FloCoat® Galvanized 1 3/8" OD and 1" OD.
- Attachment Bracket Powder coated cast aluminum

# **SPECIAL SAFETY COMPLIANCE NOTES**

- ASTM F1487 8.5.5.2 The runout slope of slide exit region must be between 0 and -4 degrees.
- ASTM F 1487 8.5.5.3 For slides with an elevation of no greater than 48 in., the height of the exit region shall be no greater than 11 in. above the protective surfacing. For slides with an elevation greater than 48 in., the height of the exit region shall be between 7 in. and 15 in. above the protective surfacing

### **INSTALLATION TIPS & TROUBLE SHOOTING**

- SportsPlay Equipment Inc. recommends pre-drilling the holes in the post when attaching a four-hole bracket with a number #7 drill bit. This will make the attachment of the four-hole bracket with the self-tapping screws easier and it will prevent damage to the screw head during installation.
- Apply locktite to all bolts during assembly prior to completely tightening them.
- Stainless Steel hardware can occasionally be difficult to use particularly if you need to take it out to make an adjustment. It is recommended that you add a drop of oil to bolts that may have to be removed before you install it.
- Do not tighten bolts all the way until the unit is completely assembled and all components are square and level.
- Identify and separate all parts by referencing the detail drawings and the parts list.
- As you unpack and separate the components, use the cardboard sheets that were used for packing and shipping to prevent damage to the components. This is particularly true for all Powder Coated and Thermoplastic coated components, by setting the components on top of the cardboard.

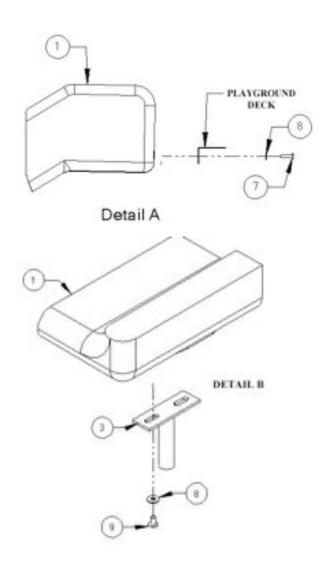


### **BEFORE YOU BEGIN**

In addition to the components on the packing list, you will need concrete, shovel, post-hole digger, tape measure, ground marking (for marking the footing location), drill, hex wrenches and a dry erase marker.

# **INSTALLATION STEPS**

- Review all instructions before beginning.
- \_\_2. Unpack, organize and identify all components. Be sure to place all painted components on a protective surface (cardboard, cloth, etc...) to prevent damage.
- \_\_3. **Dig footing holes**. Referencing the footing cutaway drawings on page 3, the footing layout and elevation views on page 4 of this components instruction set along with the main footing diagram on page 5 of the installation guide, mark and dig the footings as instructed for the slide legs. (Footing depth is 24" less the amount of surfacing used plus the thickness of the blocking material). SportsPlay recommends setting the slide up to the deck and using the slide to mark the position of the slide legs to establish the location of the required footing.
- $\underline{\hspace{0.1cm}}$  4. **Attach slide legs** (#3) to the bottom of the slide by inserting a  $3/8 \times 3/4$  bolt (#9) and 3/8 washer (#8) through the plate on the slide leg (#3) and into the factory installed nut on the underneath the exit end of the slide (Detail B). Once all bolts are in place you can tighten them.

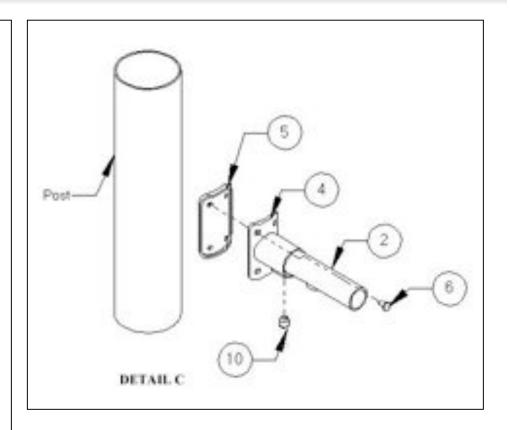




### **INSTALLATION STEPS CONTINUED**

- \_\_5. With help, **place the slide legs into the footing holes** and attach the slide to the playground deck.
- \_\_6. Using the  $3/8 \times 1^{3/4}$  bolts (#7) and 3/8 washers (#8) **attach the slide to the deck** by inserting the bolts and washers through the holes in the deck and into the factory installed nuts at the entrance to the slide (Detail A on page 6).
- \_\_7. **Measure up the playground post from the deck 38**" and mark that location on both of the playground posts. This mark represents the attachment point for the top of the slide guard (reference the front view drawing on page 2).
- \_\_8. Slide all four of the four-hole attachment brackets on to the ends of the slide guard (ensure the hole for the set screw on the bracket is facing down). After you have put the brackets onto the slide guard and attached the gaskets (#5) put the slide guard in place between the posts by lining up the top of the slide guard with the mark you made on the post in step 7. Attach the slide guard to the posts by screwing the self-tapping screws (#6) through the four -hole brackets and gaskets and into the playground post using the Torx bit and drill (Detail C). Repeat step on the remaining three brackets.

TIP: It's easier to install the self tapping screws if you pre drill the holes in the post with a #7 drill bit by marking the hole locations with a dry erase marker after you have put the guard wall into position.





### INSTALLATION INSTRUCTIONS CONTINUED

- \_\_9. Insert the 3/8 x 3/8 socket set screws (#10) into the threaded hole on the bottom side of the four-hole attachment brackets (#4) and tighten (Detail C on page 7).
- \_\_10. Level and square the slide making sure to keep 11" of spacing from the slide bed to the top of the safety surfacing.
- \_\_11. Once slide is in position and you have verified its square and level you may **tighten the bolts connecting the slide to the deck.**
- \_\_12. **Inspect the components** for sharp edges and if necessary file them down and apply touch up paint.
- \_\_13. Once the entire playground has been installed and you have verified that the entire playground is level you can **add the concrete to the footing holes**. Be sure to use concrete with a minimum 2,500 psi and mix the concrete per the manufacturers directions before you pour it into the footing hole. Once the footing has been filled with concrete you should rope of the area for a minimum of 48 hours to allow the concrete set properly.
- \_\_14. **Once the concrete has set**, back fill dirt over the footing holes; inspect the area and components for tools, hazardous debris and sharp edges. Verify all components are installed and all hardware is tight and then install the safety surfacing.
- \_\_15. **Install labeling** as instructed in the appendix of the instruction manual.



### INSTALLATION DETAILS

Recommended crew (Adult): 2

Installation time: 1.5 hr (3 man hrs)

■ User age: 2-12

• Use zone: 72" from all edges of slide

• Weight: 448 lbs

**SURFACING:** Use of safety surfacing in compliance with ASTM specification F1292 is required.

#### **MAINTENANCE:**

- As the owner of the playground, you are responsible for maintenance of the equipment and play area. A maintenance schedule must be developed, and the equipment inspected frequently. A maintenance section that includes component specific maintenance requirements is included at the end of this manual.
- Be sure to inspect surfacing for foreign objects that could cause injury and that enough surfacing is in place in accordance with ASTM and CPSC standards.

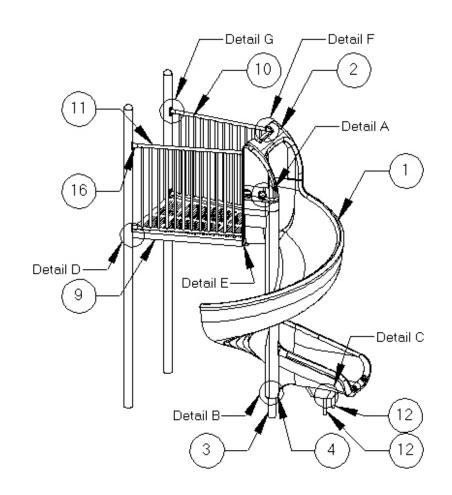




# **PARTS LIST**

ID	PART #	DESCRIPTION	QTY
1	435-625	Spiral Slide	1
2	435-625	Spiral Slide Hood	1
3	435-625	Spiral Slide Center Support	1
4	435-625	Spiral Slide Bottom Collar	1
5	435-625	3/8" x 1 ½" Button Head Bolt	4
6	435-625	3/8" Washer	4
7	435-625	<sup>1</sup> / <sub>4</sub> " x 20 x 2" Torx Pin Tek Screw	2
8	435-625	Loctite	1
9	923-198	Transition Deck	1
10	923-118	Wall for Spiral Slide Left	1
11	923-118R	Wall for Spiral Slide Right	1
12	903-214	"T" Leg for Slide	2
16	913-402	Four Hole Attachment Bracket	4
17	905-208	Gasket for Attachment Bracket	4
18	905-526	Self Tapping Screw	16
19	106-807	3/8"x3/8" Set Screw	4
20	126-706 BPS	3/8"x1 <sup>3</sup> / <sub>4</sub> " Button Head Bolt	6
21	126-703	3/8"x1" Button Head Bolt	6
22	126-702 BPS	3/8"x 3/4" Button Head Bolt	16
23	316-601	3/8" Flat Washer	36
24	226-602	3/8" Lock Nut	10

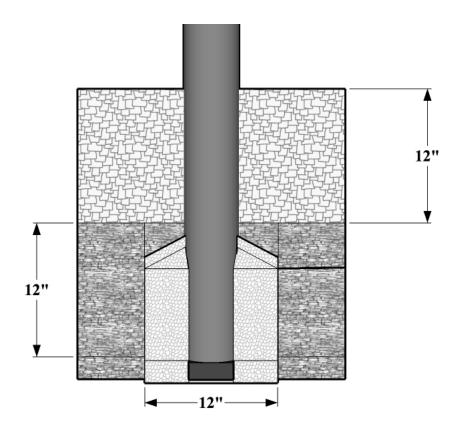
**NOTE:** Keep a copy of these instructions on file to assist you with maintenance and replacement parts.



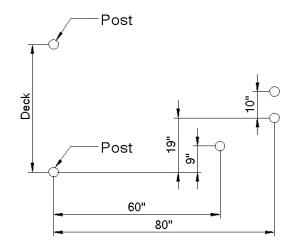


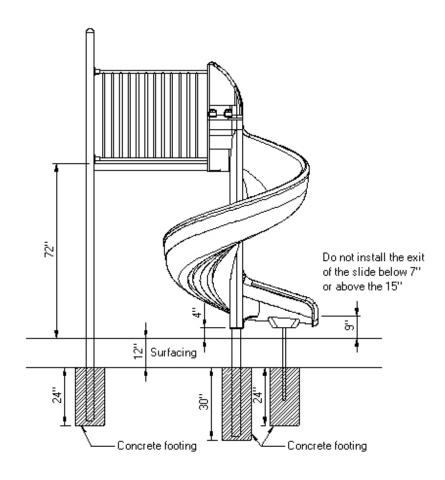
#### FOOTING INFORMATION

- Total footing depth is 24" less the height of the surfacing plus the height of the blocking material. If you are using 12" of surfacing the footing hole would need to be 12" plus the height of the blocking material (refer to both the side and front cutaway views to the right).
- If the Play structure is installed on an unlevel grade you must adjust the footing depth to accommodate the grade. For instance, if the grade for this component is 1" higher than the surface grade of the main playground post you must dig your footing hole 1" deeper.
- You must place the bottom of the support post or slide leg on a suitable flat blocking material to prevent it from sinking further into the soil. We recommend you use a brick, block of wood or several inches of gravel. The footing depth does not include this blocking material since materials used often vary.
- It is the owner/installers responsibility to check local building codes and to comply with those codes. All footing depths listed here are recommendations and local soil types and frost lines may require a deeper and/or wider footing depth. If that's the case you must add more blocking material to accommodate the deeper footing, as the post length will still only be installed at the depth listed in this instruction manual.
- Assemble the entire unit before adding the concrete unless instructed to do so in the individual component instruction sections.











#### **SPECIFICATIONS**

- Deck-12 GA HRPO steel
- Deck Coating Electrostatically applied & oven cured thermoplastic powder coat.
- Paint Electrostatically applied & oven cured powder coat
- Hardware Stainless steel & tamper resistant
- Attachment Bracket Powder coated cast aluminum
- Spiral Slide- Roto-Molded plastic

### SPECIAL SAFETY & ASTM COMPLIANCE NOTES

• (MUST INCLUDE SECTION IN STANDARD)

### **INSTALLATION TIPS & TROUBLE SHOOTING**

- SportsPlay Equipment Inc. recommends pre-drilling the holes in the post when attaching a four-hole bracket with a number #7 drill bit. This will make the attachment of the four-hole bracket with the self-tapping screws easier and it will prevent damage to the screw head during installation.
- Apply locktite to all bolts during assembly prior to completely tightening them.
- Stainless Steel hardware can occasionally be difficult to use particularly if you need to take them out to make an adjustment. It is recommended that you add a drop of oil to bolts that may have to be removed before you install them.
- Do not tighten bolts all the way until the unit is completely assembled and all components are square and level.
- Identify and separate all parts by referencing the detail drawings and the parts list.
- As you unpack and separate the components, set the components on top of the cardboard sheets that were used for packing and shipping to prevent damage to the components. This is particularly true all Powder Coated and Thermoplastic coated components.

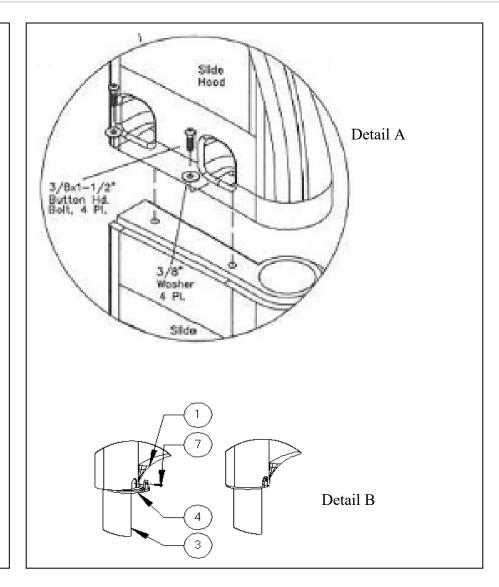


### **BEFORE YOU BEGIN**

In addition to the components on the packing list you will need a level, blocking material, 9/16 wrench, shovel, Tape measure, drill with a <sup>3</sup>/<sub>4</sub>" Drill bit, and a post hole digger.

# **INSTALLATION STEPS**

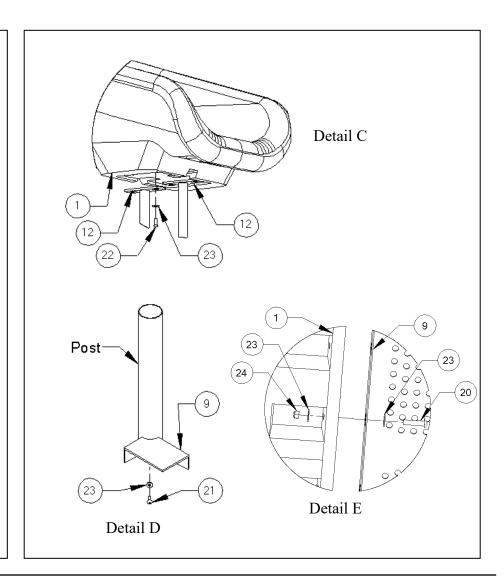
- \_1) Review all instructions before beginning.
- \_\_2) Unpack, organize, and identify all components: Be sure to place all painted components on a protective surface (cardboard, cloth, etc...) to prevent damage.
- \_\_3) Locate placement of the Spiral Slide: See top down view of your instruction booklet.
- 4) **Dig Footing Holes:** Refer to the Footing Diagram on page 4.
- \_\_5) Attach the Slide and Slide Hood: Attach the slide (1) to the slide hood (2) using 3/8" x 1 ½" button head bolts (5) and 3/8" flat washers (6). Tighten screws. (See Detail A)
- \_\_6) Attach Center Support: Set the slide bottom collar (4) onto the bottom of the slide (1). Insert the center support (3). Fasten with two ½" x 20 x 2" Torx Pin Tek Screws (7). (See Detail B) The length of the center support extending from the slide is dependent on the surfacing to be used. With 12" of loose fill surfacing, the distance will be approximately 46". (Refer to the elevation view on page 4) Do not tighten screws to the center support.





### **INSTALLATION STEPS CONTINUED**

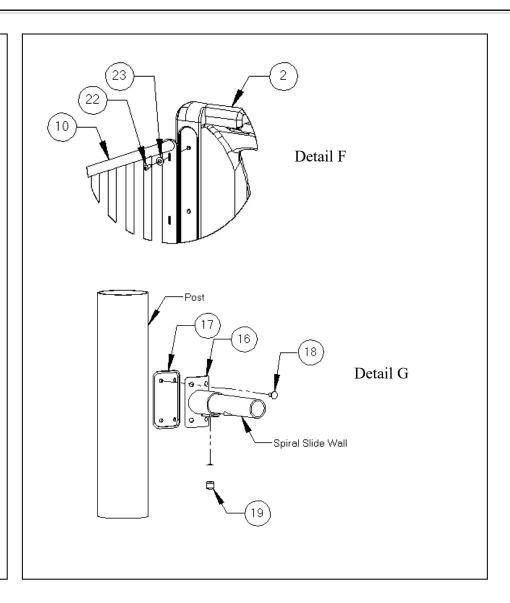
- \_\_7) Install the Transition deck to the posts: While temporary supporting the slide side of the transition deck using a 2x4, or equivalent, attach the transition deck to the post using two 3/8" x 1" button head bolts (21) and two 3/8" Flat Washers (23). (See Detail D) Hand tighten bolts and leave the temporary support for the slide side of the transition deck.
- \_\_8) Attach transition deck to other modular components: Attach the transition deck (9) to its the mating deck or kick plate using four 3/8" x 1" button head bolt (21), eight 3/8" flat washers (23), and four 3/8" lock nut (24). Level the transition deck and tighten bolts, including bolts from step 7.
- \_\_9) Install the Transition deck to the Spiral Slide: Stand the slide upright with the center support in the footing hole. Align the slide with the transition deck. Wood, or equivalent, maybe used to support the bottom of the slide to reach the desired height. Ratchet straps maybe useful to hold the slide in place. Attach using six 3/8" x 1 3/4" button head bolts (20), twelve 3/8" flat washers (23), and six 3/8" lock nuts (24). Hand tighten the bolts. (See Detail E)
- \_\_10) Level the Transition Deck and Spiral Slide: Place a level on the Transition Deck between the posts. Level the deck in the other direction by placing the level between the post and Spiral Slide. After the deck and slide are level and plumb, tighten bolts to the slide from step 9 and the center support (4) from step 6.





# **INSTALLATION STEPS CONTINUED**

- \_\_11) **Install "T" Legs on Slide:** Place "T" legs into holes previously dug for them. Attach the two "T" legs to the slide using four 3/8" x <sup>3</sup>/<sub>4</sub>" button head bolts (22) and four 3/8" flat washers (23). Tighten bolts. (**See Detail C**)
- \_\_12) Attach the Walls to the Spiral Slide: The two walls are different. Align holes and angle of the wall to determine the correct side. The bottom of the angled plate will sit flush with the deck. Attach the wall using twelve 3/8" x 3/4" button head bolts (22) and twelve 3/8" flat washers (23). (See Detail F) Do not tighten.
- \_\_13) Attach the Walls to the Posts: Slide the four-hole brackets (16) onto the spiral slide wall. The setscrew on the four-hole bracket should be on the bottom. Align with the posts. Mark the posts with a dry erase marker of the sixteen locations to secure the walls to the posts. Drill with a #7 drill bit. Attach the gasket (17) onto the bracket. Attach to the posts using self-tapping screws (18). (See Detail G) Tighten all self-tapping screws. Tighten bolts from step 12. Tighten setscrews (19) on the four-hole brackets.





- \_\_12) **Pour concrete:** When the entire playground has been installed has verified that the entire playground is level, **add the concrete to the footing holes**. Use concrete with a minimum 2,500 psi and mix the concrete per the manufacturer's directions before pouring it into the footing holes. Crown the concrete around each post for water drainage. Rope of the area for a minimum of 48 hours to allow the concrete set properly.
- \_\_13) **Once the concrete has set**, back fill dirt over the footing holes. Inspect the area and components for tools, hazardous debris, and sharp edges. Verify all components are installed and all hardware is tight and then install the safety surfacing.
- \_\_14) **Inspect the components:** Inspect for sharp edges. If necessary, file them down and apply touch up paint.



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### INSTALLATION DETAILS

• Recommended crew (Adult): 1

Installation time: 15 min (.25 man hr)

■ User age: 2-12 Years

Use zone: NAWeight: 11 lbs

**SURFACING:** Use of safety surfacing in compliance with ASTM specification F1292 is required

#### **MAINTENANCE:**

- As the owner of the playground you are responsible for maintenance of the equipment and play area. A maintenance schedule must be developed and the equipment inspected frequently. A maintenance section that includes component specific maintenance requirements is included at the end of this manual.
- Be sure to inspect surfacing for foreign objects that could cause injury and that sufficient surfacing is in place in accordance with ASTM and CPSC standards.

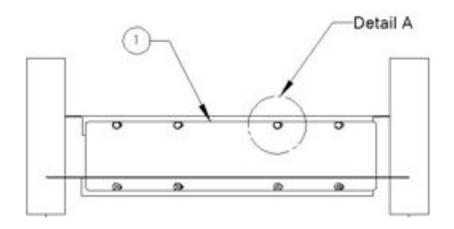


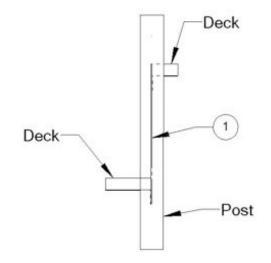


# **PARTS LIST**

ID	PART #	DESCRIPTION	QTY
1	923-186	Kickplate Std. 8" Rise	1
2	126-701 bps	3/8"x1 1/4" Button Head Bolt	8
3	316-601	3/8" Flat Washer	16
4	226-602	3/8" Locknut	8

**NOTE:** Keep a copy of these instructions on file to assist you with maintenance and replacement parts.







#### **SPECIFICATIONS**

- Deck-12 GA HRPO steel
- Hardware Stainless steel & tamper resistant
- Paint Electrostatically applied thermoplastic powder coat

### SPECIAL SAFETY & ASTM COMPLIANCE NOTES

• Any opening must either be less than 3 ½" or more than 9" to eliminate any possible head or neck entrapment.

# **INSTALLATION TIPS & TROUBLE SHOOTING**

- SportsPlay Equipment Inc. recommends pre-drilling the holes in the post when attaching a four-hole bracket with a number #7 drill bit. This will make the attachment of the four-hole bracket with the self-tapping screws easier and it will prevent damage to the screw head during installation.
- Apply locktite to all bolts during assembly prior to completely tightening them.
- Stainless Steel hardware can occasionally be difficult to use particularly if you need to take them out to make an adjustment. It is recommended that you add a drop of oil to bolts that may have to be removed before you install them.
- Do not tighten bolts all the way until the unit is completely assembled and all components are square and level.
- Identify and separate all parts by referencing the detail drawings and the parts list.
- As you unpack and separate the components, use the cardboard sheets that were used for packing and shipping to prevent damage to the components. This is particularly true all Powder Coated and Thermoplastic coated components, by setting the components on top of the cardboard.

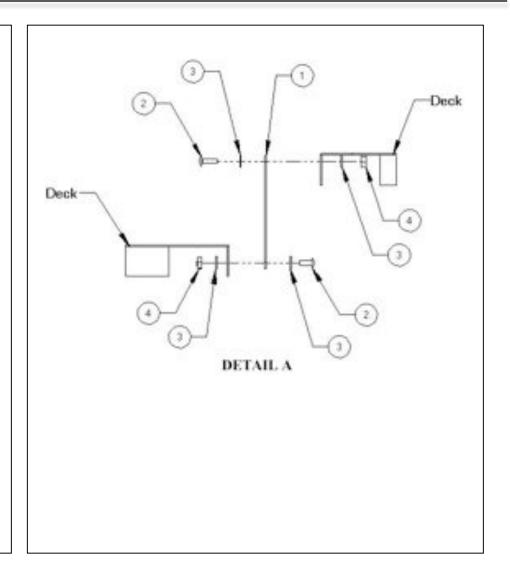


# **BEFORE YOU BEGIN**

In addition to the components on the packing list you will need a 7/32 Socket Key.

# **INSTALLATION STEPS**

- \_\_1) Review all instructions before beginning
- \_\_2) **Unpack, organize, and identify all components:** Be sure to place all painted components on a protective surface (cardboard, cloth, etc...) to prevent damage.
- \_\_3) Locate placement of the Kick plate: See top down view of your instruction booklet
- \_\_4) Attach Kick plate to Deck: Using one 3/8"x1 1/4" Button Head Bolt (2), with one 3/8" Flat Washer (3) installed on it, place it into the factory punched hole in the Kick Plate. Next place the Kick plate against outside edge of the deck that it installs to and secure it with one 3/8" Flat Washer (3) and one 3/8" locknut (4) on the backside of the deck. Do not tighten Lock Nuts until all bolts are installed. Repeat this step eight times. (See detail A)
- \_\_8) **Inspect the components** for sharp edges.





# INSTALLATION DETAILS

• Recommended crew (Adult): 1

■ Installation time: 15 min (.25 man hr)

■ User age: 2-12 Years

Use zone: NAWeight: 15 lbs

**SURFACING:** Use of safety surfacing in compliance with ASTM specification F1292 is required

#### **MAINTENANCE:**

- As the owner of the playground you are responsible for maintenance of the equipment and play area. A maintenance schedule must be developed and the equipment inspected frequently. A maintenance section that includes component specific maintenance requirements is included at the end of this manual.
- Be sure to inspect surfacing for foreign objects that could cause injury and that sufficient surfacing is in place in accordance with ASTM and CPSC standards.

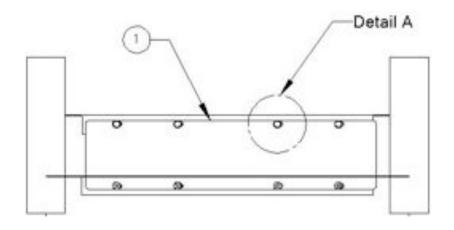


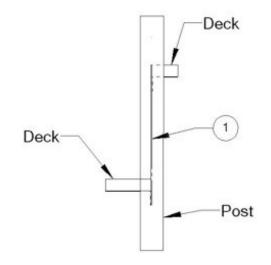


# **PARTS LIST**

ID	PART #	DESCRIPTION	QTY
1	923-187	Kickplate Std. 12" Rise	1
2	126-701 bps	3/8"x1 1/4" Button Head Bolt	8
3	316-601	3/8" Flat Washer	16
4	226-602	3/8" Locknut	8

**NOTE:** Keep a copy of these instructions on file to assist you with maintenance and replacement parts.







#### **SPECIFICATIONS**

- Deck-12 GA HRPO steel
- Hardware Stainless steel & tamper resistant
- Paint Electrostatically applied thermoplastic powder coat

### SPECIAL SAFETY & ASTM COMPLIANCE NOTES

• Any opening must either be less than 3 ½" or more than 9" to eliminate any possible head or neck entrapment.

# **INSTALLATION TIPS & TROUBLE SHOOTING**

- SportsPlay Equipment Inc. recommends pre-drilling the holes in the post when attaching a four-hole bracket with a number #7 drill bit. This will make the attachment of the four-hole bracket with the self-tapping screws easier and it will prevent damage to the screw head during installation.
- Apply locktite to all bolts during assembly prior to completely tightening them.
- Stainless Steel hardware can occasionally be difficult to use particularly if you need to take them out to make an adjustment. It is recommended that you add a drop of oil to bolts that may have to be removed before you install them.
- Do not tighten bolts all the way until the unit is completely assembled and all components are square and level.
- Identify and separate all parts by referencing the detail drawings and the parts list.
- As you unpack and separate the components, use the cardboard sheets that were used for packing and shipping to prevent damage to the components. This is particularly true all Powder Coated and Thermoplastic coated components, by setting the components on top of the cardboard.

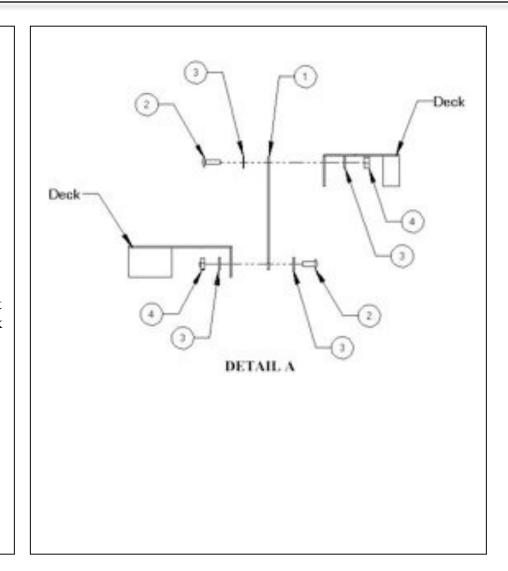


# **BEFORE YOU BEGIN**

In addition to the components on the packing list you will need a 7/32 Socket Key.

# **INSTALLATION STEPS**

- \_\_1) Review all instructions before beginning
- \_\_2) **Unpack, organize, and identify all components:** Be sure to place all painted components on a protective surface (cardboard, cloth, etc...) to prevent damage.
- \_\_3) Locate placement of the Kick plate: See top down view of your instruction booklet
- \_\_4) Attach Kick plate to Deck: Using one 3/8"x1 1/4" Button Head Bolt (2), with one 3/8" Flat Washer (3) installed on it, place it into the factory punched hole in the Kick Plate. Next place the Kick plate against outside edge of the deck that it installs to and secure it with one 3/8" Flat Washer (3) and one 3/8" locknut (4) on the backside of the deck. Do not tighten Lock Nuts until all bolts are installed. Repeat this step eight times. (See detail A)
- \_\_8) **Inspect the components** for sharp edges.





### INSTALLATION DETAILS

Recommended crew (Adult): 2

■ Installation time: 1 min (2 man hr)

■ User age: 2-12 years

Use zone: 72 in. in front of climber

• 72 in to right and left of climber

• Weight: 69 lbs

**SURFACING:** Use of safety surfacing in compliance with ASTM specification F1292 is required.

#### **MAINTENANCE:**

- As the owner of the playground you are responsible for maintenance of the equipment and play area. A maintenance schedule must be developed and the equipment inspected frequently. A maintenance section that includes component specific maintenance requirements is included at the end of this manual.
- Be sure to inspect surfacing for foreign objects that could cause injury and that sufficient surfacing is in place in accordance with ASTM and CPSC standards.

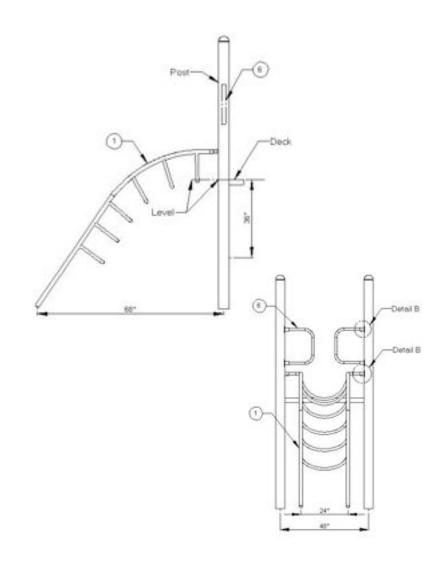




# **PARTS LIST**

ID	PART #	DESCRIPTION	QTY
1	923-110	Caterpillar Climber	
			1
2	913-402	Four-Hole Attachment Bracket	6
3	905-208	Attachment Bracket Gasket	6
4	905-526	Self-Tapping Screw	24
5	196-807	3/8"x3/8" Set Screw	6
6	923-174	Small Hand Holds	2

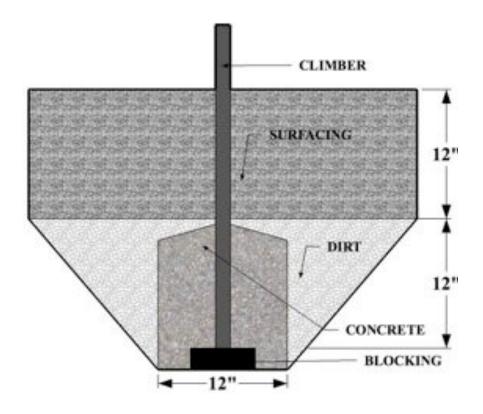
**NOTE:** Keep a copy of these instructions on file to assist you with maintenance and replacement parts.



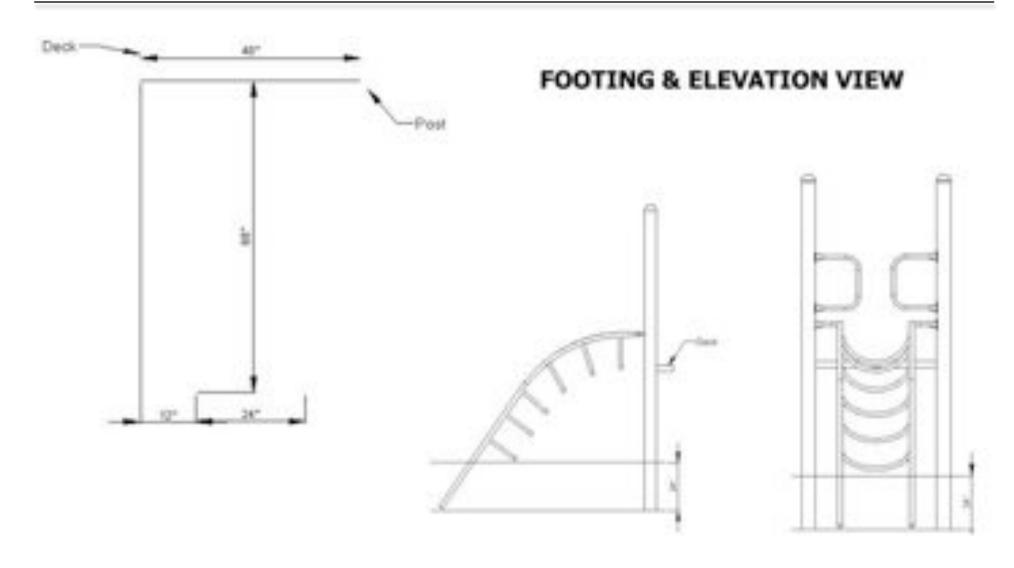


# FOOTING INFORMATION

- Total footing depth is 24" less the height of the surfacing plus the height of the blocking material. If you are using 12" of surfacing the footing hole would need to be 12" plus the height of the blocking material (refer to both the side and front cutaway views to the right).
- If the Play structure is installed on an unlevel grade you must adjust the footing depth to accommodate the grade. For instance, if the grade for this component is 1" higher than the surface grade of the main playground post you must dig your footing hole 1" deeper.
- You must place the bottom of the support post or slide leg on a suitable flat blocking material to prevent it from sinking further into the soil. We recommend you use a brick, block of wood or several inches of gravel. The footing depth does not include this blocking material since materials used often vary.
- It is the owner/installers responsibility to check local building codes and to comply with those codes. All footing depths listed here are recommendations and local soil types and frost lines may require a deeper and/or wider footing depth. If that's the case you must add more blocking material to accommodate the deeper footing, as the post length will still only be installed at the depth listed in this instruction manual.
- Assemble the entire unit before adding the concrete unless instructed to do so in the individual component instruction sectionsS.









#### **SPECIFICATIONS**

- Paint Electrostatically applied & oven cured powder coat
- Hardware Stainless steel & tamper resistant
- Tube FloCoat® Galvanized 1 3/8" OD and 1" OD.
- Attachment Bracket Powder coated cast aluminum
- Caterpillar Climber-1 7/8" Tube with 1 3/8" rungs welded together.
- Small Hand Holds- 1 3/8" tube bent into a "U" shape.

#### SPECIAL SAFETY & ASTM COMPLIANCE NOTES

• Any opening must either be less than 3 ½" or more than 9" to eliminate any possible head or neck entrapment.

# **INSTALLATION TIPS & TROUBLE SHOOTING**

- SportsPlay Equipment Inc. recommends pre-drilling the holes in the post when attaching a four-hole bracket with a number #7 drill bit. This will make the attachment of the four-hole bracket with the self-tapping screws easier and it will prevent damage to the screw head during installation.
- Apply locktite to all bolts during assembly prior to completely tightening them.
- Stainless Steel hardware can occasionally be difficult to use particularly if you need to take them out to make an adjustment. It is recommended that you add a drop of oil to bolts that may have to be removed before you install them.
- Do not tighten bolts all the way until the unit is completely assembled and all components are square and level.
- Identify and separate all parts by referencing the detail drawings and the parts list.
- As you unpack and separate the components, use the cardboard sheets that were used for packing and shipping to prevent damage to the components. This is particularly true all Powder Coated and Thermoplastic coated components, by setting the components on top of the cardboard.

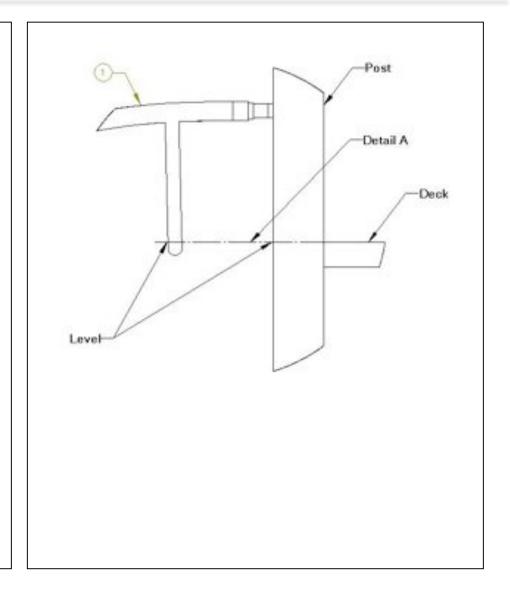


### **BEFORE YOU BEGIN**

In addition to the components on the packing list you will need a post hole digger or shovel, drill with a #7 bit, level, tape measure, dry erase marker and blocking material.

# **INSTALLATION STEPS**

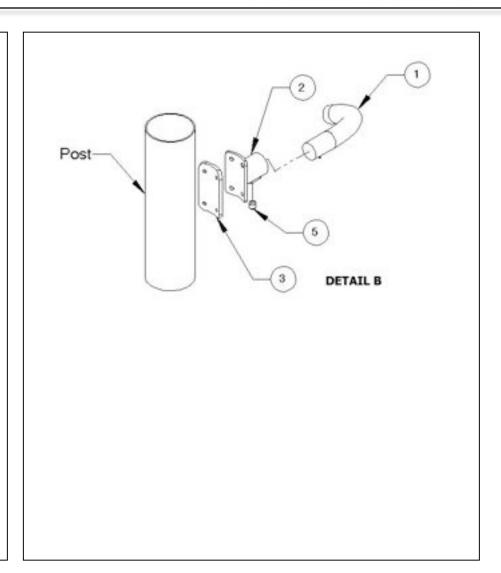
- \_\_1) Review all instructions before beginning
- \_\_2) **Unpack, organize, and identify all components:** Be sure to place all painted components on a protective surface (cardboard, cloth, etc...) to prevent damage.
- \_\_3) Locate placement of the Caterpillar Climber: See top down view of your instruction booklet
- \_\_4) **Dig Footing Holes:** You must refer to the footing layout page to determine the measurements for this. With the positioning of the bars on the Caterpillar Climber you may need to dig the footing holes at an angle.
- \_\_5) Layout holes to attach the Caterpillar Climber: You will need the Caterpillar Climber (1) and two Four Hole-Attachment Brackets (2). Place one Four Hole-Attachment Bracket on each of the bent stubs of the Caterpillar Climber, next you will need to slide the assembly between the posts that the Caterpillar Climber attaches to. The height of the Four Hole-Attachment Bracket is determined by leveling the surface of the deck and the first rung of the Caterpillar Climber to each other. (See detail A) Have you helper mark the all of the holes in the Four Hole-Attachment Brackets with the dry erase marker.





### INSTALLATION STEPS CONTINUED

- \_\_6) Layout the holes for the Small Hand Holds: After you have the holes for the Caterpillar Climber you will need to mark the holes for the Four Hole Brackets (2) that will hold the Small Hand Holds (6) in place. The top of the Small Hand Hold must be a minimum of 38" from the top of the surface of the deck to the top of the Small Hand Hold, the distance between the Small Hand Holds cannot be any more than 15". Place a Four Hole Bracket on each end of the Small Hand Hold, determining the proper height, then mark and drill the holes with a #7 drill bit for all six of the Four Hole Brackets
- \_\_7) Install the Four Hole Brackets: Install the Self-Tapping Screws (4) into the holes you have drilled in the posts with the Attachment Bracket Gasket (3) between the post and Four-Hole Attachment Bracket. Making sure the threaded hole is facing the ground. (See detail B) You will have to install the Caterpillar Climber and the Four Hole Attachment Brackets as an assembly. The Caterpillar Climber will not fit into the Four Hole Brackets if they are installed onto the post first.
- \_\_8) Secure the Small Hand Holds to the Attachment Brackets: Slide a Small Hand Hold into two of the Four Hole Brackets. Next install and tighten the 3/8x3/8" Set Screw (5) in the Four-Hole Brackets. (See detail B)
- \_\_9) Repeat this step for the other Small Hand Hold.





# **INSTALLATION STEPS CONTINUED**

- \_\_10) **Inspect the components:** for sharp edges and if necessary file them down and apply touch up paint.
- \_\_11) Once the entire playground has been installed and you have verified that the entire playground is level you can **add the concrete to the footing holes**. Be sure to use concrete with a minimum 2,500 psi and mix the concrete per the manufacturer's directions before you pour it into the footing hole. Once the footing has been filled with concrete you should rope of the area for a minimum of 48 hours to allow the concrete set properly.
- \_\_12) **Once the concrete has set**, back fill dirt over the footing holes; inspect the area and components for tools, hazardous debris, and sharp edges. Verify all components are installed and all hardware is tight and then install the safety surfacing



# INSTALLATION DETAILS

Recommended crew (Adult): 3

Installation time: 30 min (1.5 man hrs)

 User age: 2-12 refer to the ASTM compliance notes for proper installation heights.

■ Use zone: 72"in all directions

• Weight: 58 lbs

**SURFACING:** Use of safety surfacing in compliance with ASTM specification F1292 is required.

#### **MAINTENANCE:**

- As the owner of the playground you are responsible for maintenance of the equipment and play area. A maintenance schedule must be developed and the equipment inspected frequently. A maintenance section that includes component specific maintenance requirements is included at the end of this manual.
- Be sure to inspect surfacing for foreign objects that could cause injury and that sufficient surfacing is in place in accordance with ASTM and CPSC standards.

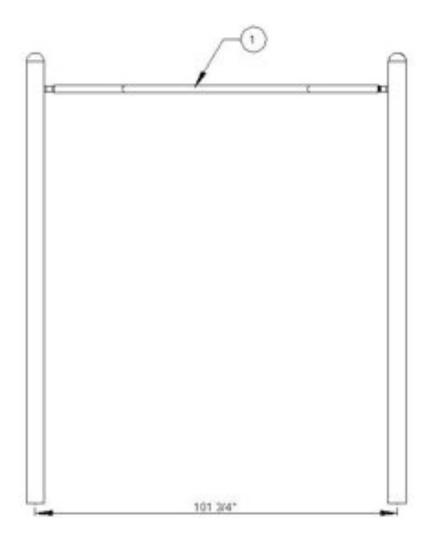




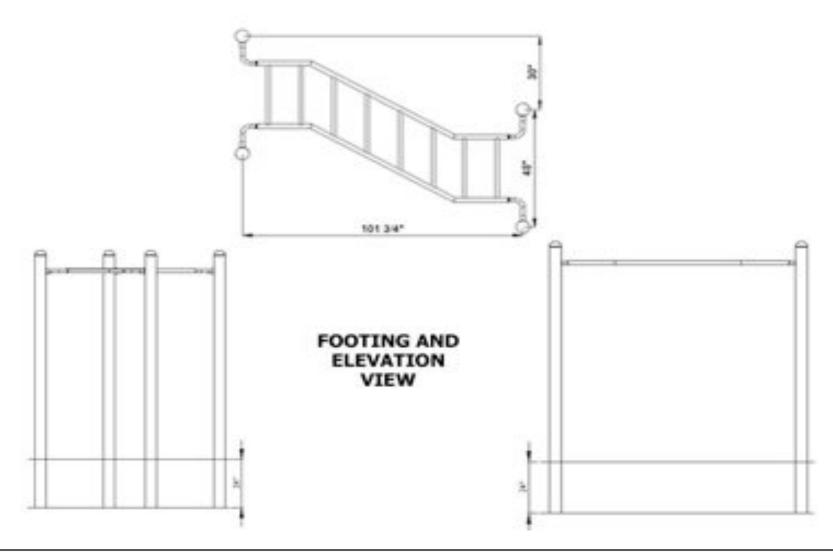
# **PARTS LIST**

ID	PART #	DESCRIPTION	QTY
1	923-108	"S" Horizontal Ladder	1
2	913-402	Four-Hole Attachment Bracket	4
3	905-208	Attachment Bracket Gasket	4
4	905-526	Self-Tapping Screw	16
5	196-807	3/8"x3/8" Set Screw	4
	_		

**NOTE:** Keep a copy of these instructions on file to assist you with maintenance and replacement parts.









#### **SPECIFICATIONS**

- **Tube** FloCoat® Galvanized 1 7/8" O.D. and 1 3/8" O.D.
- Hardware Stainless steel & tamper resistant
- Paint Electrostatically applied & oven cured powder coat
- Attachment Bracket Powder coated cast aluminum
- **"S" Horizontal ladder**-1 7/8" O.D. tube rails with 1 3/8" O.D. tube rungs MIG welded together

#### SPECIAL SAFETY & ASTM COMPLIANCE NOTES

The maximum height of upper body devices for use by 2 through 5-year-olds shall be no greater than 60 in. (1524mm), measured from the center of the grasping device to the top of the protective surfacing below. The maximum height of upper body devices for use by 5 through 12-year-olds shall be no greater than 84 in. (2130 mm). Upper body equipment intended for users in wheelchairs shall have grasping devices no greater than 54 in. (1370 mm) above the accessible surface

# **INSTALLATION TIPS & TROUBLE SHOOTING**

- SportsPlay Equipment Inc. recommends pre-drilling the holes in the post when attaching a four-hole bracket with a number #7 drill bit. This will make the attachment of the four-hole bracket with the self-tapping screws easier and it will prevent damage to the screw head during installation.
- Apply locktite to all bolts during assembly prior to completely tightening them.
- Stainless Steel hardware can occasionally be difficult to use particularly if you need to take them out to make an adjustment. It is recommended that you add a drop of oil to bolts that may have to be removed before you install them.
- Do not tighten bolts all the way until the unit is completely assembled and all components are square and level.
- Identify and separate all parts by referencing the detail drawings and the parts list.
- As you unpack and separate the components, use the cardboard sheets that were used for packing and shipping to prevent damage to the components. This is particularly true all Powder Coated and Thermoplastic coated components, by setting the components on top of the cardboard.

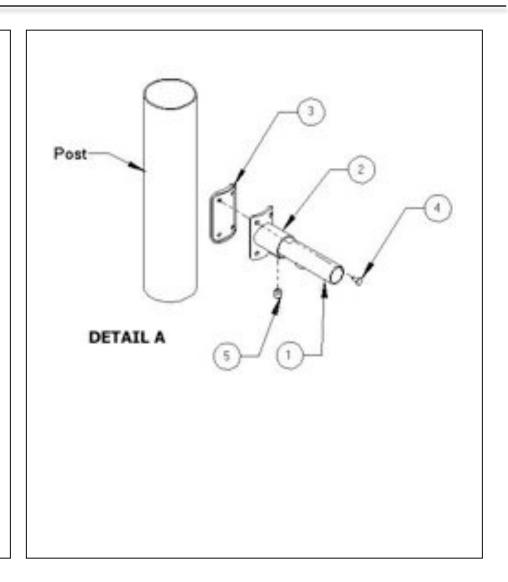


## **BEFORE YOU BEGIN**

In addition to the components on the packing list you will need a level and a dry erase marker.

## **INSTALLATION STEPS**

- \_\_1) Review all instructions before beginning:
- \_\_2) **Unpack, organize, and identify all components:** Be sure to place all painted components on a protective surface (cardboard, cloth, etc...) to prevent damage.
- \_\_3) Locate placement of the "S" Horizontal ladder: See top down view of your instruction booklet
- \_\_4) Mark posts for location of Four-Hole Brackets: After you have the proper location, layout the measurements for the Four-Hole Brackets. To do this you must determine the age group of your playground, 2 through 5-year-olds shall be no greater than 60 in. (1524mm), and 5 through 12-year-olds shall be no greater than 84 in. (2130 mm) to the center of the rung of the "S" Horizontal Ladder. Once you determined the proper placing of the Four-Hole Brackets mark and drill the holes for the Four-Hole Brackets on one end of the "S" Horizontal ladder
- \_\_5) **Install first end:** With help lift the end of the "S" Horizontal Ladder that you predrilled in the previous step, and install the Four-Hole brackets with the threaded hole facing the ground, and the Attachment Bracket Gasket (3) between the bracket and the post. (See detail A)





# **INSTALLATION STEPS CONTIUDE**

- \_\_6) Install the second end of the "S" Horizontal Ladder: With help lift the other end of the "S" Horizontal Ladder into place making sure that it is level and install the remaining two Four-Hole Brackets with the threaded hole facing down, and the Attachment Bracket Gasket (3) between the bracket and the post.(see detail A)
- \_\_7) **Secure "S" Horizontal Ladder:** Using the 3/8x3/8" (5) set screw insert it into the threaded hole in the Four-Hole Bracket and secure the "S" Horizontal Ladder to the posts.
- \_\_8) Once the entire playground has been installed and you have verified that the entire playground is level you can **add the concrete to the footing holes**. Be sure to use concrete with a minimum 2,500 psi and mix the concrete per the manufacturer's directions before you pour it into the footing hole. Once the footing has been filled with concrete you should rope of the area for a minimum of 48 hours to allow the concrete set properly.
- \_\_9) **Once the concrete has set**, back fill dirt over the footing holes; inspect the area and components for tools, hazardous debris and sharp edges. Verify all components are installed and all hardware is tight and then install the safety surfacing.
- \_\_10) **Inspect the components:** for sharp edges and if necessary file them down and apply touch up paint



#### INSTALLATION DETAILS

Recommended crew (Adult): 2

■ Installation time: 30 min (1 man hr)

■ User age: 2-12

Use zone: 72 in. in front of climber

72 in to right and left of climber

Weight: 52 lbs

**SURFACING:** Use of safety surfacing in compliance with ASTM specification F1292 is required.

#### **MAINTENANCE:**

- As the owner of the playground you are responsible for maintenance of the equipment and play area. A maintenance schedule must be developed and the equipment inspected frequently. A maintenance section that includes component specific maintenance requirements is included at the end of this manual.
- Be sure to inspect surfacing for foreign objects that could cause injury and that sufficient surfacing is in place in accordance with ASTM and CPSC standards.

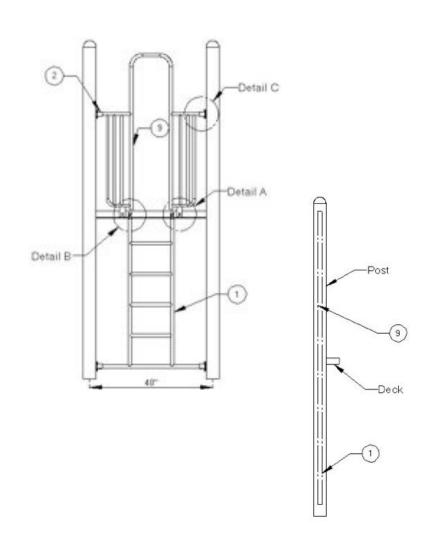




## **PARTS LIST**

ID	PART #	DESCRIPTION	QTY
1	923-116-5	Vertical Climber/5' Rung Ladder	
			1
2	913-402	Four-Hole Attachment Bracket	4
3	905-208	Attachment Bracket Gasket	4
4	905-526	Self-Tapping Screw	16
5	196-807	3/8"x3/8" Set Screw	4
6	126-701bps	3/8"x1 1/4" Button Head Bolt	4
7	316-601	3/8" Flat Washer	8
8	226-602	Nylon Lock Nut	4
9	923-216	Protective Barrier/Arch Wall	1

**NOTE:** Keep a copy of these instructions on file to assist you with maintenance and replacement parts.





# 922-116-5 (5') VERTICAL CLIMBER/PROTECTIVE BARRIER INSTALLATION INSTRUCTION

#### **SPECIFICATIONS**

- Hardware Stainless steel & tamper resistant
- Attachment Brackets- Electrostatically applied & oven cured powder coat
- Rung Ladder and Arch Wall 1 3/8" O.D. tube with 1
   O.D. tube MIG welded together
- Tube FloCoat® Galvanized

## **INSTALLATION TIPS & TROUBLE SHOOTING**

- SportsPlay Equipment Inc. recommends pre-drilling the holes in the post when attaching a four-hole bracket with a number #7 drill bit. This will make the attachment of the four-hole bracket with the self-tapping screws easier and it will prevent damage to the screw head during installation.
- Apply locktite to all bolts during assembly prior to completely tightening them.
- Stainless Steel hardware can occasionally be difficult to use particularly if you need to take them out to make an adjustment. It is recommended that you add a drop of oil to bolts that may have to be removed before you install them.
- Do not tighten bolts all the way until the unit is completely assembled and all components are square and level.
- Identify and separate all parts by referencing the detail drawings and the parts list.
- As you unpack and separate the components, use the cardboard sheets that were used for packing and shipping to prevent damage to the components. This is particularly true all Powder Coated and Thermoplastic coated components, by setting the components on top of the cardboard.

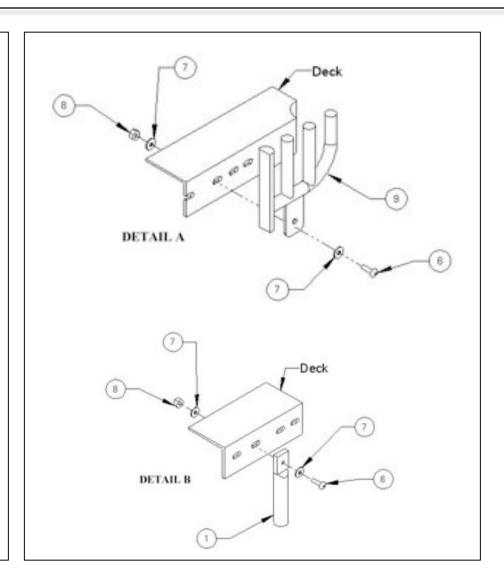


## **BEFORE YOU BEGIN**

In addition to the components on the packing list you will need a drill, #7 drill bit, tape measure and dry erase marker.

## **INSTALLATION STEPS**

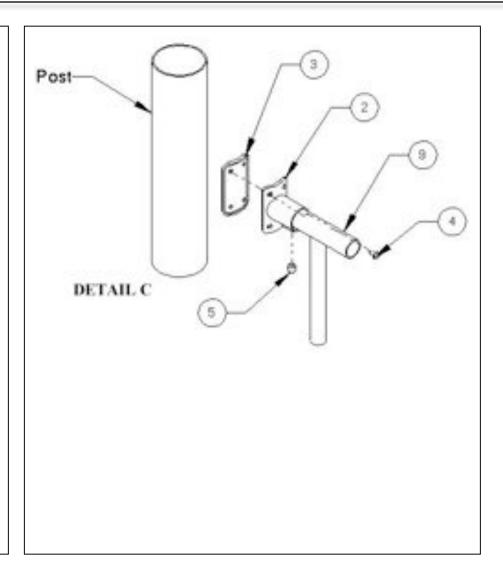
- 1) Review all instructions before beginning:
- \_\_2) **Unpack, organize, and identify all components:** Be sure to place all painted components on a protective surface (cardboard, cloth, etc...) to prevent damage.
- \_\_3) Locate placement of the Vertical Climber/Protective Barrier: See top down view of your instruction booklet
- \_\_4) Install Vertical Climber/Protective Barrier You will need the Rung Ladder (1), the Arch Wall (9), four Four-Hole Attachment Brackets (2), four Attachment Bracket Gaskets (3), sixteen Self-Tapping Screws (4), four 3/8"x3/8" Set Screws (5), four 3/8"x1 \(^{1}\)4" Button Head Bolts (6), eight 3/8" Flat washers (7), and four 3/8" Lock Nuts (8). First you will need to place two of the Four-Hole Brackets on the Rung Ladder (1). (See detail A) Using the 3/8"x1 \(^{1}\)4" Button Head Bolts with a 3/8" Flat Washer installed, place it through the Rung Ladder and into the correct factory punched hole in the deck you are installing it to. Secure it with a 3/8" Flat Washer and 3/8" Locknut on the underside of the deck, do not completely tighten Lock Nut at this time. (See detail B) repeat this step for the bottom of the Arch Wall (9).





#### INSTALLATION STEPS CONTINUED

- \_\_5) Connect Four-Hole brackets to posts: Now you need to install the Four-Hole Brackets to the posts. The top of the barrier. NOT THE ARCH, should be 38" from the top of the surface of the deck to the top of the barrier. Once you have the top of the barrier at the correct height tighten the two 3/8"x1 1/4" Button Head bolts (6). The Four-Hole Brackets get installed with the Self-Tapping Screws (4) and Attachment Bracket Gaskets (5) make sure that the hole for the 3/8x 3/8" set screw is pointing down. TIP: It's easier to install the self-tapping screws if you pre drill the holes in the post with a #7 drill bit by marking the hole locations with a dry erase marker after you have put the guard wall into position. Install the Self-Tapping Screws into the holes you have drilled in the posts with the Attachment Bracket Gasket between the post and Four- Hole Attachment Bracket. (See detail C) Repeat this procedure for the Four Hole Attachment Brackets that hold on the Rung Ladder. The measurement for the bottom of the Rung Ladder is not critical.
- \_\_6) Secure the Vertical Climber/Protective Barrier to the Attachment Brackets: Install and tighten the 3/8x3/8" Set Screw (5) in the Four-Hole Bracket. (See detail C)
- \_\_7) Tighten all Hardware:
- \_\_8) **Inspect the components:** for sharp edges and if necessary file them down and apply touch up paint.





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#### INSTALLATION DETAILS

Recommended crew (Adult): 2

Installation time: 30 min (1 man hr)

• User age: 2-12

Use zone: 72 in. in front of climber

72 in to right and left of climber

Weight: 56 lbs

**SURFACING:** Use of safety surfacing in compliance with ASTM specification F1292 is required.

#### **MAINTENANCE:**

- As the owner of the playground you are responsible for maintenance of the equipment and play area. A maintenance schedule must be developed and the equipment inspected frequently. A maintenance section that includes component specific maintenance requirements is included at the end of this manual.
- Be sure to inspect surfacing for foreign objects that could cause injury and that sufficient surfacing is in place in accordance with ASTM and CPSC standards.

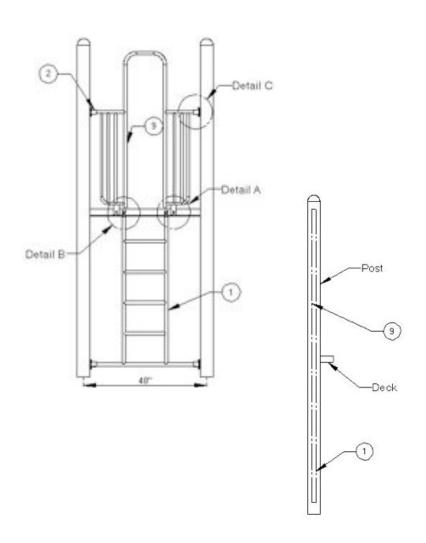




## **PARTS LIST**

ID	PART #	DESCRIPTION	QTY
1	923-116-6	Vertical Climber/6' Rung Ladder	
			1
2	913-402	Four-Hole Attachment Bracket	4
3	905-208	Attachment Bracket Gasket	4
4	905-526	Self-Tapping Screw	16
5	196-807	3/8"x3/8" Set Screw	4
6	126-701bps	3/8"x1 1/4" Button Head Bolt	4
7	316-601	3/8" Flat Washer	8
8	226-602	Nylon Lock Nut	4
9	923-216	Protective Barrier/Arch Wall	1

**NOTE:** Keep a copy of these instructions on file to assist you with maintenance and replacement parts.





# 922-116-6 (6') VERTICAL CLIMBER/PROTECTIVE BARRIER INSTALLATION INSTRUCTION

#### **SPECIFICATIONS**

- Hardware Stainless steel & tamper resistant
- Attachment Brackets- Electrostatically applied & oven cured powder coat
- Rung Ladder and Arch Wall 1 3/8" O.D. tube with 1
   O.D. tube MIG welded together
- Tube FloCoat® Galvanized

## **INSTALLATION TIPS & TROUBLE SHOOTING**

- SportsPlay Equipment Inc. recommends pre-drilling the holes in the post when attaching a four-hole bracket with a number #7 drill bit. This will make the attachment of the four-hole bracket with the self-tapping screws easier and it will prevent damage to the screw head during installation.
- Apply locktite to all bolts during assembly prior to completely tightening them.
- Stainless Steel hardware can occasionally be difficult to use particularly if you need to take them out to make an adjustment. It is recommended that you add a drop of oil to bolts that may have to be removed before you install them.
- Do not tighten bolts all the way until the unit is completely assembled and all components are square and level.
- Identify and separate all parts by referencing the detail drawings and the parts list.
- As you unpack and separate the components, use the cardboard sheets that were used for packing and shipping to prevent damage to the components. This is particularly true all Powder Coated and Thermoplastic coated components, by setting the components on top of the cardboard.

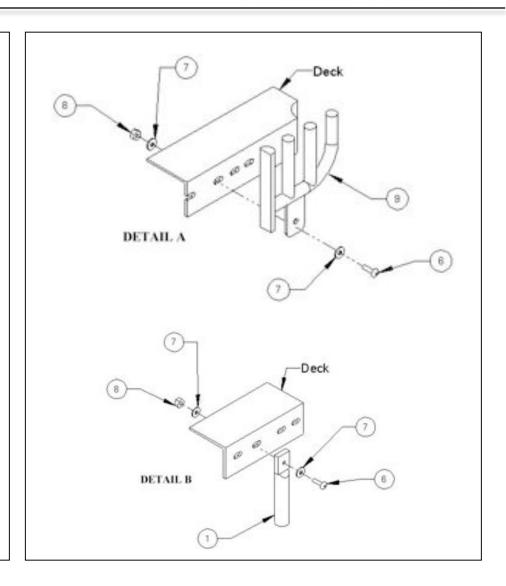


#### **BEFORE YOU BEGIN**

In addition to the components on the packing list you will need a drill, #7 drill bit, tape measure and dry erase marker.

## **INSTALLATION STEPS**

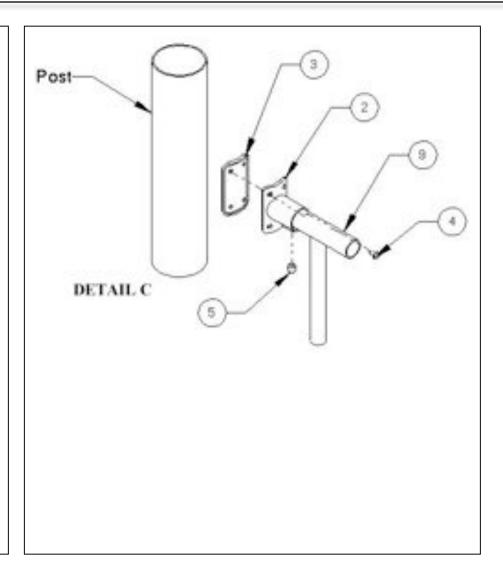
- 1) Review all instructions before beginning:
- \_\_2) **Unpack, organize, and identify all components:** Be sure to place all painted components on a protective surface (cardboard, cloth, etc...) to prevent damage.
- \_\_3) Locate placement of the Vertical Climber/Protective Barrier: See top down view of your instruction booklet
- \_\_4) Install Vertical Climber/Protective Barrier You will need the Rung Ladder (1), the Arch Wall (9), four Four-Hole Attachment Brackets (2), four Attachment Bracket Gaskets (3), sixteen Self-Tapping Screws (4), four 3/8"x3/8" Set Screws (5), four 3/8"x1 \(^{1}\)4" Button Head Bolts (6), eight 3/8" Flat washers (7), and four 3/8" Lock Nuts (8). First you will need to place two of the Four-Hole Brackets on the Rung Ladder (1). (See detail A) Using the 3/8"x1 \(^{1}\)4" Button Head Bolts with a 3/8" Flat Washer installed, place it through the Rung Ladder and into the correct factory punched hole in the deck you are installing it to. Secure it with a 3/8" Flat Washer and 3/8" Locknut on the underside of the deck, do not completely tighten Lock Nut at this time. (See detail B) repeat this step for the bottom of the Arch Wall (9).





#### INSTALLATION STEPS CONTINUED

- \_\_5) Connect Four-Hole brackets to posts: Now you need to install the Four-Hole Brackets to the posts. The top of the barrier. NOT THE ARCH, should be 38" from the top of the surface of the deck to the top of the barrier. Once you have the top of the barrier at the correct height tighten the two 3/8"x1 1/4" Button Head bolts (6). The Four-Hole Brackets get installed with the Self-Tapping Screws (4) and Attachment Bracket Gaskets (5) make sure that the hole for the 3/8x 3/8" set screw is pointing down. TIP: It's easier to install the self-tapping screws if you pre drill the holes in the post with a #7 drill bit by marking the hole locations with a dry erase marker after you have put the guard wall into position. Install the Self-Tapping Screws into the holes you have drilled in the posts with the Attachment Bracket Gasket between the post and Four- Hole Attachment Bracket. (See detail C) Repeat this procedure for the Four Hole Attachment Brackets that hold on the Rung Ladder. The measurement for the bottom of the Rung Ladder is not critical.
- \_\_6) Secure the Vertical Climber/Protective Barrier to the Attachment Brackets: Install and tighten the 3/8x3/8" Set Screw (5) in the Four-Hole Bracket. (See detail C)
- \_\_7) Tighten all Hardware:
- \_\_8) **Inspect the components:** for sharp edges and if necessary file them down and apply touch up paint.





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# INSTALLATION DETAILS

Recommended crew (Adult): 2

Installation time: 1 hr (2 man hrs)

• User age: 2-12

• Use zone: **72 in. in front of climber** 

72 in to right and left of climber

• Weight: **50** 

**SURFACING:** Use of safety surfacing in compliance with ASTM specification F1292 is required

#### **MAINTENANCE:**

- As the owner of the playground you are responsible for maintenance of the equipment and play area. A maintenance schedule must be developed and the equipment inspected frequently. A maintenance section that includes component specific maintenance requirements is included at the end of this manual.
- Be sure to inspect surfacing for foreign objects that could cause injury and that sufficient surfacing is in place in accordance with ASTM and CPSC standards.

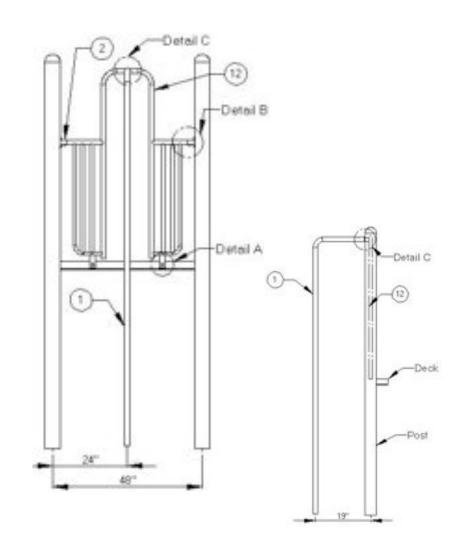




# **PARTS LIST**

ID	PART #	DESCRIPTION	QTY
1	923-119-6	Fire Pole 6' deck	1
2	913-402	Four-Hole Attachment Bracket	2
3	905-208	Attachment Bracket Gasket	2
4	905-526	Self-Tapping Screw	8
5	196-807	3/8"x3/8" Set Screw	2
6	126-701bps	3/8"x1 1/4" Button Head Bolt	2
7	316-601	3/8" Flat Washer	4
8	226-602	3/8" Lock Nut	2
9	116-538	5/16"x1 3/4" Button Head Bolt	1
10	216-512	5/16"x1" Button Head Nut	1
11	326-501	5/16" Lock Washer	1
12	923-214	Arch Wall	1

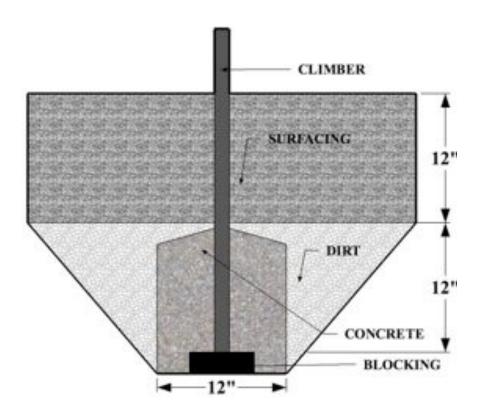
**<u>NOTE:</u>** Keep a copy of these instructions on file to assist you with maintenance and replacement parts.



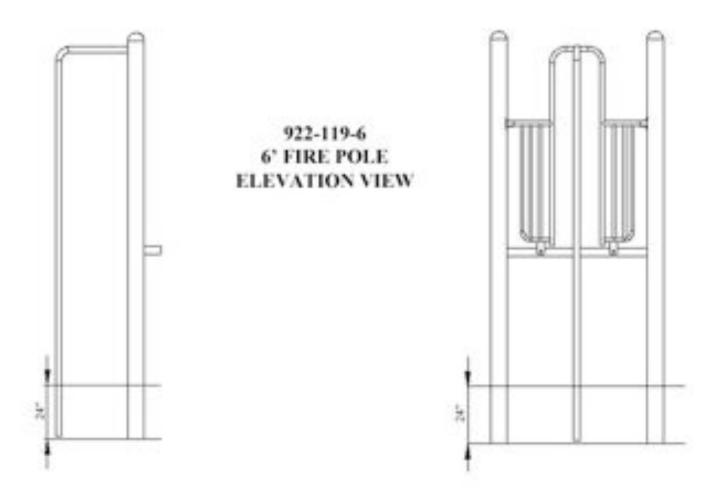


## FOOTING INFORMATION

- Total footing depth is 24" less the height of the surfacing plus the height of the blocking material. If you were using 12" of surfacing the footing hole would need to be 12" plus the height of the blocking material (refer to the cutaway view to the right). Hole is 19" out from the post at the center of the deck edge (refer to the side view on page 2)
- If the Play structure is installed on an unlevel grade you must adjust the footing depth to accommodate the grade. For instance, if the grade for this component is 1" higher than the surface grade of the main playground post you must dig your footing hole 1" deeper.
- You must place the bottom of the post on a suitable flat blocking material to prevent it from sinking further into the soil. We recommend you use a brick, block of wood or several inches of gravel. The footing depth does not include this blocking material since materials used often vary.
- It is the owner/installers responsibility to check local building codes and to comply with those codes. All footing depths listed here are recommendations and local soil types and frost lines may require a deeper and/or wider footing depth. If that's the case you must add more blocking material to accommodate the deeper footing, as the post length will still only be installed at the depth listed in this instruction manual.
- Assemble the entire unit before adding the concrete unless instructed to do so in the individual component instruction sections.









#### **SPECIFICATIONS**

- Paint Electrostatically applied & oven cured powder coat
- Hardware Stainless steel & tamper resistant
- Tube FloCoat® Galvanized 1 3/8" OD and 1" OD.
- Attachment Bracket Powder coated cast aluminum
- Firepole–1 7/8" O.D. tube
- Arch Wall-1 7/8", 1 3/8", and 1" O.D. tube MIG welded together

#### SPECIAL SAFETY & ASTM COMPLIANCE NOTES

• (MUST INCLUDE SECTION IN STANDARD)

## **INSTALLATION TIPS & TROUBLE SHOOTING**

- SportsPlay Equipment Inc. recommends pre-drilling the holes in the post when attaching a four-hole bracket with a number #7 drill bit. This will make the attachment of the four-hole bracket with the self-tapping screws easier and it will prevent damage to the screw head during installation.
- Apply locktite to all bolts during assembly prior to completely tightening them.
- Stainless Steel hardware can occasionally be difficult to use particularly if you need to take them out to make an adjustment. It is recommended that you add a drop of oil to bolts that may have to be removed before you install them.
- Do not tighten bolts all the way until the unit is completely assembled and all components are square and level.
- Identify and separate all parts by referencing the detail drawings and the parts list.
- As you unpack and separate the components, use the cardboard sheets that were used for packing and shipping to prevent damage to the components. This is particularly true all Powder Coated and Thermoplastic coated components, by setting the components on top of the cardboard.

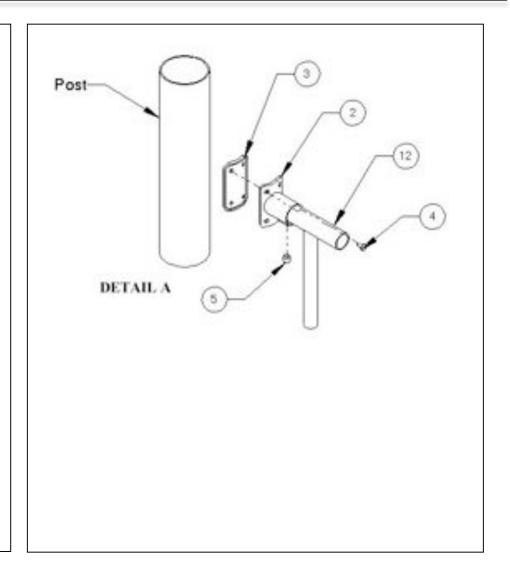


## **BEFORE YOU BEGIN**

In addition to the components on the packing list you will need a shovel or posthole digger, cement, drill, and a level.

## **INSTALLATION STEPS**

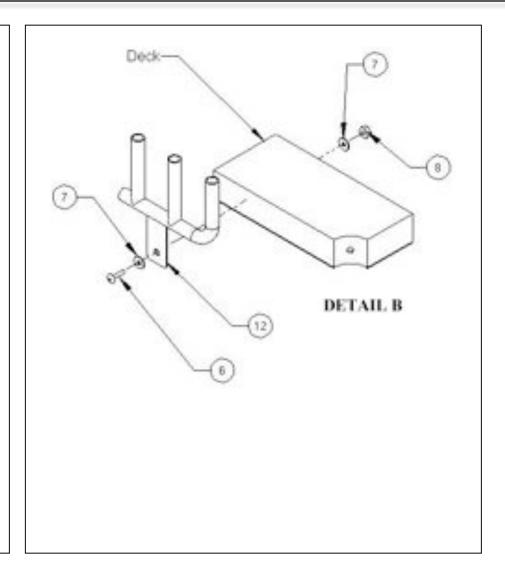
- \_1) Review all instructions before beginning
- \_\_2) **Unpack, organize, and identify, all components:** Be sure to place all painted components on a protective surface (cardboard, cloth, etc...) to prevent damage.
- \_\_3) Locate placement of Fire Pole: See top down view of your instruction booklet
- \_\_4) **Install Arch Wall:** Make sure that the attachment stub is facing away from the deck you are installing the Fire Pole on. You will need the Arch Wall (12) two Four-Hole Attachment Brackets (2), two Attachment Bracket Gaskets (3), eight Self-Tapping Screws (4),two 3/8"x3/8" Set Screws (5) two 3/8x1 ½" Button Head Bolts (6), four 3/8" Flat washers (7) and two 3/8" Lock Nuts (8). First you will need to place the two Four Hole-Brackets on the Arch Wall. (See detail A) Using the 3/8x1 ½" Button Head Bolts with a flat washer installed, place it through the Arch Wall and into the correct factory punched hole in the deck you are installing it to. Secure it with a 3/8 Flat Washer and 3/8" Locknut on the underside of deck, do not completely tighten locknut at this time. (See detail B)





#### **INSTALLATION STEPS CONTINUED**

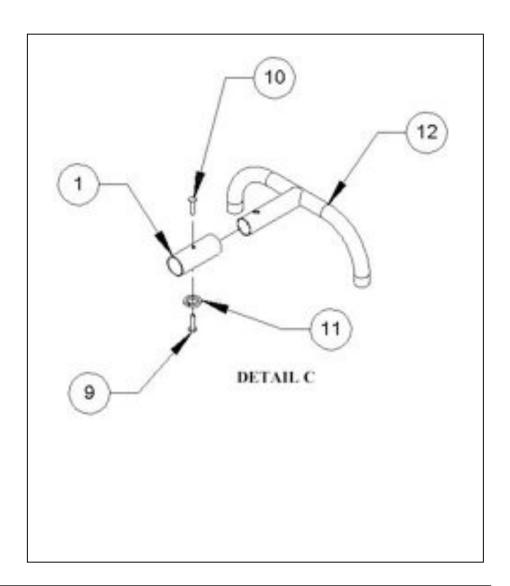
- \_\_5) Connect Four-Hole brackets to posts: Now you need to install the Four-Hole Brackets to the posts. The top of the barrier, NOT THE ARCH, should be 38" from the surface of the deck to the top of the barrier. Once you have the top of the barrier at the correct height tighten the two 3/8"x1 1/4" Button Head bolts (6). The Four-Hole Brackets get installed with the Self-Tapping Screws (4) and Attachment Bracket Gaskets (5) make sure that the hole for the 3/8x 3/8" set screw is pointing down. TIP: It's easier to install the self-tapping screws if you pre drill the holes in the post with a #7 drill bit by marking the hole locations with a dry erase marker after you have put the guard wall into position. Install the Self-Tapping Screws into the holes you have drilled in the posts with the Attachment Bracket Gasket between the post and Four Hole Attachment Bracket. (See detail B)
- \_\_6) Secure the Arch Wall to the Attachment Bracket: Install and tighten the 3/8x3/8" Set Screw (5) in the Four-Hole Bracket. (See detail B)
- \_\_7) **Dig footing hole:** Referencing the footing cutaway drawings on page 3, the footing layout and elevation views on page 4 of this components instruction set along with the main footing diagram on page 5 of the installation guide, mark and dig the footings as instructed for the Fire Pole (1). (Footing depth is 24" less the amount of surfacing used plus the thickness of the blocking material).





#### **INSTALLATION STEPS CONTINUED**

- \_\_8) **Install the Fire Pole:** Place the fire pole over the stub on the Arch Wall and secure it with the 5/16"x1 3/4" Button Head Bolt (9), 5/16" Button Head Nut (10), and 5/16" Lock Washer (11). (See detail C)
- \_\_9) Once the entire playground has been installed and you have verified that the entire playground is level you can **add the concrete to the footing holes**. Be sure to use concrete with a minimum 2,500 psi and mix the concrete per the manufacturer's directions before you pour it into the footing hole. Once the footing has been filled with concrete you should rope of the area for a minimum of 48 hours to allow the concrete set properly.
- \_\_10) **Once the concrete has set**, back fill dirt over the footing holes; inspect the area and components for tools, hazardous debris, and sharp edges. Verify all components are installed and all hardware is tight and then install the safety surfacing.
- \_\_11) Inspect **the components** for sharp edges and if necessary file them down and apply touch up paint.





# INSTALLATION DETAILS

Recommended crew (Adult): 2

Installation time: 1 hr (2 man hrs)

• User age: 2-12

Use zone: 72 in. in front of climber

72 in to right and left of climber

■ Weight: 99

**SURFACING:** Use of safety surfacing in compliance with ASTM specification F1292 is required.

#### **MAINTENANCE:**

- As the owner of the playground you are responsible for maintenance of the equipment and play area. A maintenance schedule must be developed and the equipment inspected frequently. A maintenance section that includes component specific maintenance requirements is included at the end of this manual.
- Be sure to inspect surfacing for foreign objects that could cause injury and that sufficient surfacing is in place in accordance with ASTM and CPSC standards.

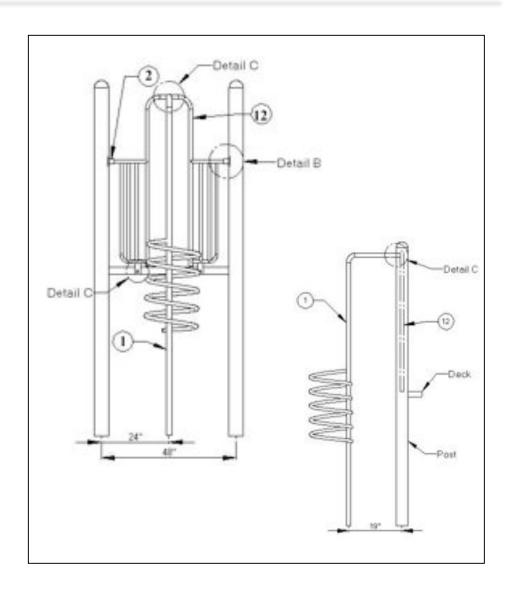




# **PARTS LIST**

ID	PART #	DESCRIPTION	QTY
1	913-445	Corkscrew 5' deck	1
2	913-402	Four-Hole Attachment Bracket	2
3	905-208	Attachment Bracket Gasket	2
4	905-526	Self-Tapping Screw	8
5	196-807	3/8"x3/8" Set Screw	2
6	126-701bps	3/8"x1 <sup>1</sup> / <sub>4</sub> " Button Head Bolt	2
7	316-601	3/8" Flat Washer	4
8	226-602	3/8" Lock Nut	2
9	116-538	5/16"x1 3/4" Button Head Bolt	1
10	216-512	5/16"x1" Button Head Nut	1
11	326-501	5/16" Lock Washer	1
12	923-214	Arch Wall	1

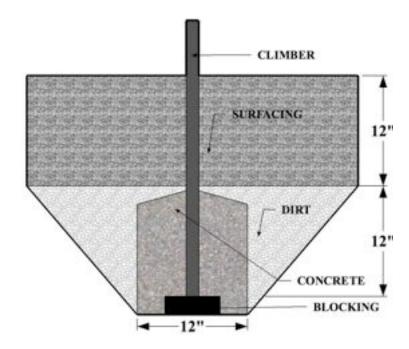
**<u>NOTE:</u>** Keep a copy of these instructions on file to assist you with maintenance and replacement parts.



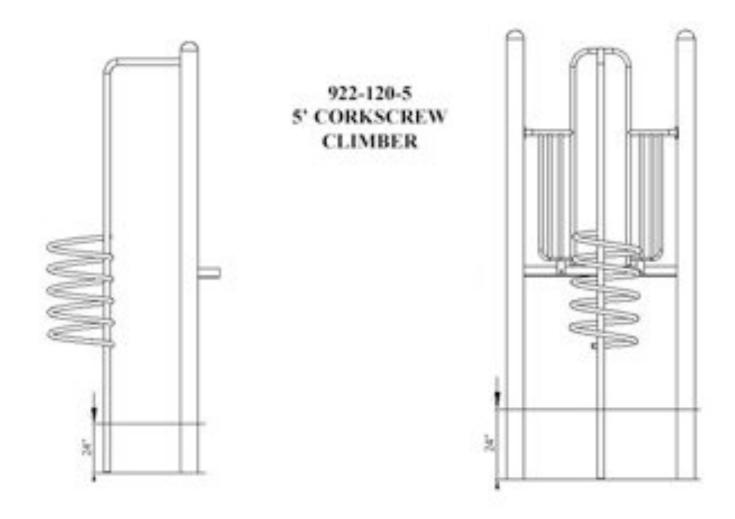


## FOOTING INFORMATION

- Total footing depth is 24" less the height of the surfacing plus the height of the blocking material. If you were using 12" of surfacing the footing hole would need to be 12" plus the height of the blocking material (refer to the cutaway view to the right). Hole is 19" out from the post at the center of the deck edge (refer to the side view on page 2)
- If the Play structure is installed on an unlevel grade you must adjust the footing depth to accommodate the grade. For instance, if the grade for this component is 1" higher than the surface grade of the main playground post you must dig your footing hole 1" deeper.
- You must place the bottom of the post on a suitable flat blocking material to prevent it from sinking further into the soil. We recommend you use a brick, block of wood or several inches of gravel. The footing depth does not include this blocking material since materials used often vary.
- It is the owner/installers responsibility to check local building codes and to comply with those codes. All footing depths listed here are recommendations and local soil types and frost lines may require a deeper and/or wider footing depth. If that's the case you must add more blocking material to accommodate the deeper footing, as the post length will still only be installed at the depth listed in this instruction manual.
- Assemble the entire unit before adding the concrete unless instructed to do so in the individual component instruction sections.









#### **SPECIFICATIONS**

- Paint Electrostatically applied & oven cured powder coat
- Hardware Stainless steel & tamper resistant
- Tube FloCoat® Galvanized 1 3/8" OD and 1" OD.
- Attachment Bracket Powder coated cast aluminum
- Corkscrew Climber–1 7/8" O.D. tube with 1 3/8 O.D. rolled tube welded to 1 7/8" tube
- Arch Wall-1 7/8", 1 3/8", and 1" O.D. tube MIG welded together

## **INSTALLATION TIPS & TROUBLE SHOOTING**

- SportsPlay Equipment Inc. recommends pre-drilling the holes in the post when attaching a four-hole bracket with a number #7 drill bit. This will make the attachment of the four-hole bracket with the self-tapping screws easier and it will prevent damage to the screw head during installation.
- Apply locktite to all bolts during assembly prior to completely tightening them.
- Stainless Steel hardware can occasionally be difficult to use particularly if you need to take them out to make an adjustment. It is recommended that you add a drop of oil to bolts that may have to be removed before you install them.
- Do not tighten bolts all the way until the unit is completely assembled and all components are square and level.
- Identify and separate all parts by referencing the detail drawings and the parts list.
- As you unpack and separate the components use the cardboard sheets that were used for packing and shipping to prevent damage to the components. This is particularly true all Powder Coated and Thermoplastic coated components, by setting the components on top of the cardboard.

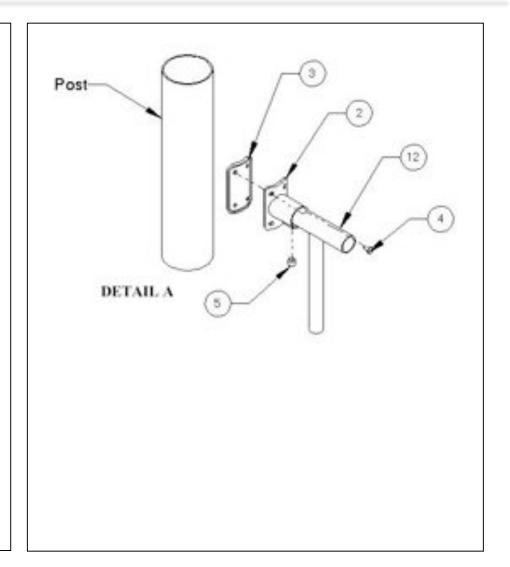


## **BEFORE YOU BEGIN**

In addition to the components on the packing list you will need a shovel or post hole digger, cement, drill, and a level.

## **INSTALLATION STEPS**

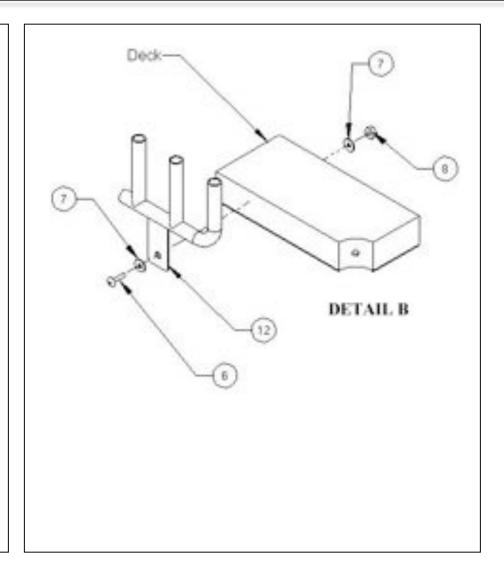
- 1) Review all instructions before beginning
- \_\_2) **Unpack, organize and identify, all components:** Be sure to place all painted components on a protective surface (cardboard, cloth, etc...) to prevent damage.
- \_\_3) Locate placement of Corkscrew Climber: See top down view of your instruction booklet
- \_\_4) **Install Arch Wall:** Make sure that the attachment stub is facing away from the deck you are installing the Corkscrew Climber on. You will need the Arch Wall (12) two Four-Hole Attachment Brackets (2), two Attachment Bracket Gaskets (3), eight Self-Tapping Screws (4),two 3/8"x3/8" Set Screws (5) two 3/8x1 ½" Button Head Bolts (6), four 3/8" Flat washers (7) and two 3/8" Lock Nuts (8). First you will need to place the two Four-Hole Brackets on the Arch Wall. (See detail A) Using the 3/8x1 ½" Button Head Bolts with a flat washer installed, place it through the Arch Wall and into the correct factory punched hole in the deck you are installing it to. Secure it with a 3/8 Flat Washer and 3/8" Locknut on the underside of deck, do not completely tighten locknut at this time. (See detail B)





## **INSTALLATION STEPS CONTINUED**

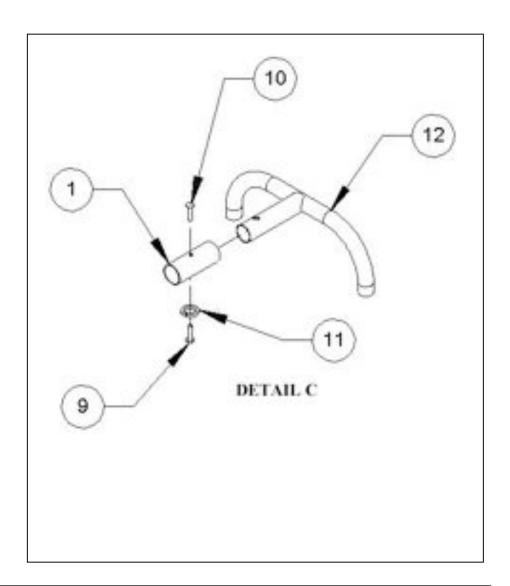
- \_\_5) Connect four hole brackets to posts: Now you need to install the Four Hole Brackets to the posts. The top of the barrier, NOT THE ARCH, should be 38" from the surface of the deck to the top of the barrier. Once you have the top of the barrier at the correct height tighten the two 3/8"x1 \(^1/4\)" Button Head bolts (6). The Four-Hole Brackets get installed with the Self-Tapping Screws (4) and Attachment Bracket Gaskets (5) make sure that the hole for the 3/8x 3/8" set screw is pointing down. TIP: It's easier to install the self-tapping screws if you pre drill the holes in the post with a #7 drill bit by marking the hole locations with a dry erase marker after you have put the guard wall into position. Install the Self-Tapping Screws into the holes you have drilled in the posts with the Attachment Bracket Gasket between the post and Four Hole Attachment Bracket. (See detail B)
- \_\_6) Secure the Arch Wall to the Attachment Bracket: Install and tighten the 3/8x3/8" Set Screw (5) in the Four -Hole Bracket. (See detail B)
- \_\_7) **Dig footing hole:** Referencing the footing cutaway drawings on page 3, the footing layout and elevation views on page 4 of this components instruction set along with the main footing diagram on page 5 of the installation guide, mark and dig the footings as instructed for the corkscrew Climber (1). (Footing depth is 24" less the amount of surfacing used plus the thickness of the blocking material).





#### **INSTALLATION STEPS CONTINUED**

- \_\_8) **Install the Corkscrew climber:** Place the Corkscrew Climber over the stub on the Arch Wall and secure it with the 5/16"x1 <sup>3</sup>/<sub>4</sub>" Button Head Bolt (9), 5/16" Button Head Nut (10), and 5/16" Lock Washer (11). (See detail C)
- \_\_9) Once the entire playground has been installed and you have verified that the entire playground is level you can **add the concrete to the footing holes**. Be sure to use concrete with a minimum 2,500 psi and mix the concrete per the manufacturer's directions before you pour it into the footing hole. Once the footing has been filled with concrete you should rope of the area for a minimum of 48 hours to allow the concrete set properly.
- \_\_10) **Once the concrete has set**, back fill dirt over the footing holes; inspect the area and components for tools, hazardous debris, and sharp edges. Verify all components are installed and all hardware is tight and then install the safety surfacing.
- \_\_11) **Inspect the components** for sharp edges and if necessary file them down and apply touch up paint.





## INSTALLATION DETAILS

Recommended crew (Adult): 3

■ Installation time: 30 min (1.5 man hrs)

 User age: 2-12 refer to the ASTM compliance notes for proper installation heights for each age group.

Use zone: 72"in all directions

• Weight: 48 lbs

**SURFACING:** Use of safety surfacing in compliance with ASTM specification F1292 is required.

#### **MAINTENANCE:**

- As the owner of the playground you are responsible for maintenance of the equipment and play area. A maintenance schedule must be developed and the equipment inspected frequently. A maintenance section that includes component specific maintenance requirements is included at the end of this manual.
- Be sure to inspect surfacing for foreign objects that could cause injury and that sufficient surfacing is in place in accordance with ASTM and CPSC standards.

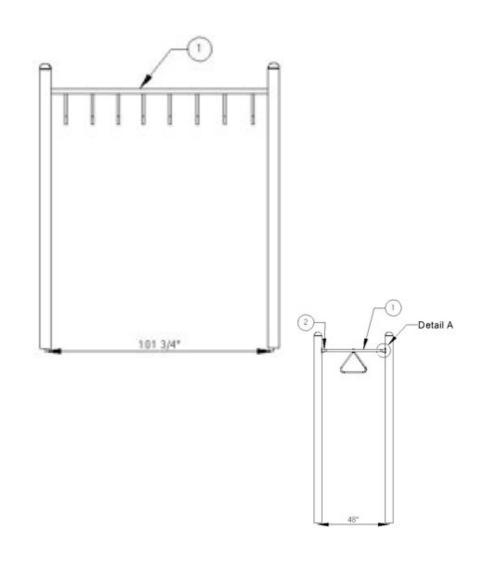




# **PARTS LIST**

ID	PART #	DESCRIPTION	QTY
1	923-101	Straight Loop Climber	1
2	913-402	Four-Hole Attachment Bracket	4
3	905-208	Attachment Bracket Gasket	4
4	905-526	Self-Tapping Screw	16
5	196-807	3/8"x3/8" Set Screw	4

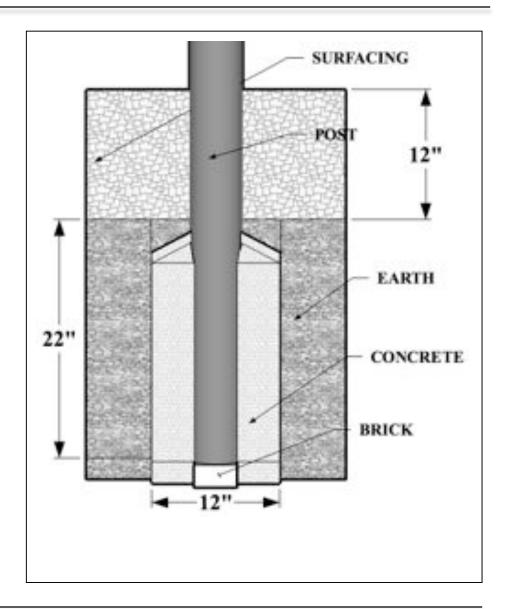
**NOTE:** Keep a copy of these instructions on file to assist you with maintenance and replacement parts.



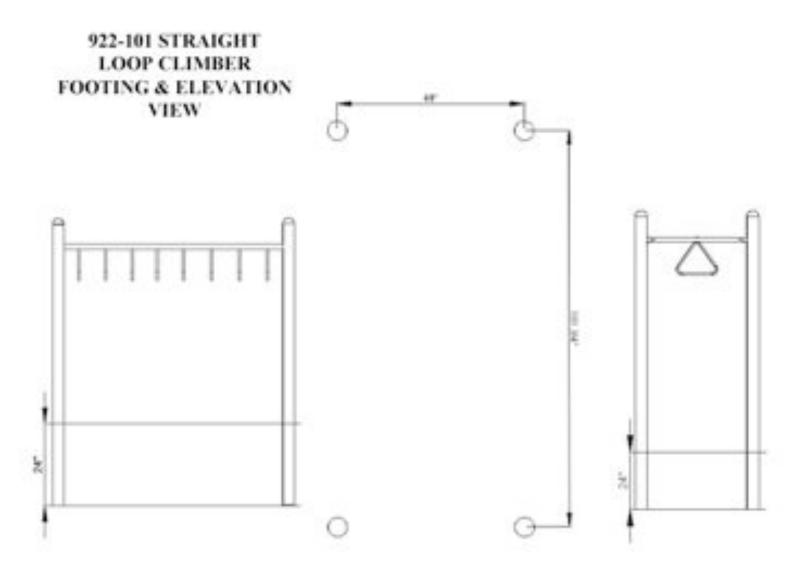


#### **FOOTING INFORMATION**

- Total footing depth is 34" less the height of the surfacing plus the height of the blocking material. If you are using 12" of surfacing the footing hole would need to be 22" plus the height of the blocking material (refer to both the side and front cutaway views to the right).
- If the Play structure is installed on an unlevel grade you must adjust the footing depth to accommodate the grade. For instance, if the grade for this component is 1" higher than the surface grade of the main playground post you must dig your footing hole 1" deeper.
- You must place the bottom of the support post or slide leg on a suitable flat blocking material to prevent it from sinking further into the soil. We recommend you use a brick, block of wood or several inches of gravel. The footing depth does not include this blocking material since materials used often vary.
- It is the owner/installers responsibility to check local building codes and to comply with those codes. All footing depths listed here are recommendations and local soil types and frost lines may require a deeper and/or wider footing depth. If that's the case you must add more blocking material to accommodate the deeper footing, as the post length will still only be installed at the depth listed in this instruction manual.
- Assemble the entire unit before adding the concrete unless instructed to do so in the individual component instruction sections.









#### **SPECIFICATIONS**

- **Tube** FloCoat® Galvanized 1 7/8" O.D. and 1 3/8" O.D.
- Hardware Stainless steel & tamper resistant
- Paint Electrostatically applied & oven cured powder coat
- Attachment Bracket Powder coated cast aluminum
- **Straight Loop Climber-1** 7/8" O.D. tube rails with 1 O.D. tube Loops MIG welded together

#### SPECIAL SAFETY & ASTM COMPLIANCE NOTES

- The maximum height of upper body devices for use by 2 through 5-year-olds shall be no greater than 60 in. (1524mm), measured from the center of the grasping device to the top of the protective surfacing below.
- The maximum height of upper body devices for use by 5 through 12-year-olds shall be no greater than 84 in. (2130 mm).
- Upper body equipment intended for users in wheelchairs shall have grasping devices no greater than 54 in. (1370 mm) above the accessible surface

# **INSTALLATION TIPS & TROUBLE SHOOTING**

- SportsPlay Equipment Inc. recommends pre-drilling the holes in the post when attaching a four-hole bracket with a number #7 drill bit. This will make the attachment of the four-hole bracket with the self-tapping screws easier and it will prevent damage to the screw head during installation.
- Apply locktite to all bolts during assembly prior to completely tightening them.
- Stainless Steel hardware can occasionally be difficult to use particularly if you need to take them out to make an adjustment. It is recommended that you add a drop of oil to bolts that may have to be removed before you install them.
- Do not tighten bolts all the way until the unit is completely assembled and all components are square and level.
- Identify and separate all parts by referencing the detail drawings and the parts list.
- As you unpack and separate the components, use the cardboard sheets that were used for packing and shipping to prevent damage to the components. This is particularly true all Powder Coated and Thermoplastic coated components, by setting the components on top of the cardboard.

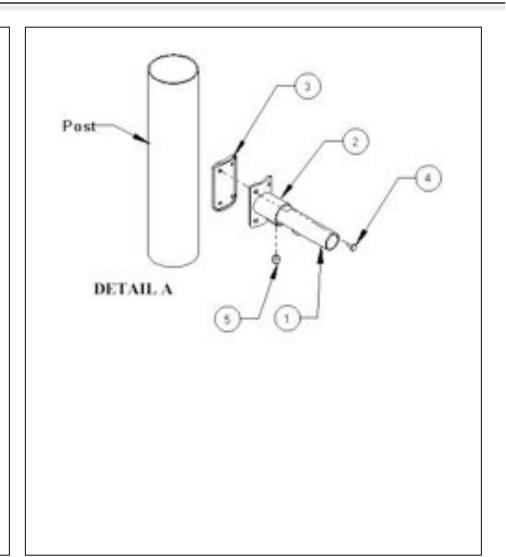


#### **BEFORE YOU BEGIN**

In addition to the components on the packing list you will need a level and a dry erase marker.

## **INSTALLATION STEPS**

- 1) Review all instructions before beginning:
- \_\_2) Unpack, organize, and identify all components: Be sure to place all painted components on a protective surface (cardboard, cloth, etc...) to prevent damage.
- \_\_3) if this is a stand alone install than dig the footing per the drawings on pages 3 and 4. If this unit is attached to a modular play structure than follow the footing layout and depths in the introduction section of the booklet
- \_\_4) Locate placement of the Straight Loop Climber: See top down view of your instruction booklet
- \_\_5) Mark posts for location of Four-Hole Brackets: After you have the proper location, layout the measurements for the Four-Hole Brackets. To do this you must determine the age group of your playground, 2 through 5-year-olds shall be no greater than 60 in. (1524mm), and 5 through 12-year-olds shall be no greater than 84 in. (2130 mm) to the center of the rung of the Straight Horizontal Ladder. Once you determined the proper placing of the Four-Hole Brackets mark and drill the holes for the Four-Hole Brackets on one end of the Straight Loop Climber (See detail A)





#### **INSTALLATION STEPS CONTIUDE**

- \_\_6) **Install first end:** With help lift the end of the Straight Loop Climber that you predrilled in the previous step, and install the Four-Hole brackets with the threaded hole facing the ground, and the Attachment Bracket Gasket (3) between the bracket and the post. (See detail A)
- \_\_7) **Install the second end of the Straight Loop Climber:** With help lift the other end of the Straight Loop Climber into place making sure that it is level and install the remaining two Four-Hole Brackets with the threaded hole facing down, and the Attachment Bracket Gasket (3) between the bracket and the post. (see detail A)
- \_\_8) **Secure Straight Loop Climber:** Using the 3/8x3/8" (5) setscrew insert it into the threaded hole in the Four-Hole Bracket and secure the Straight Loop Climber to the posts.
- \_\_9) Once the entire playground has been installed and you have verified that the entire playground is level you can **add the concrete to the footing holes**. Be sure to use concrete with a minimum 2,500 psi and mix the concrete per the manufacturer's directions before you pour it into the footing hole. Once the footing has been filled with concrete you should rope of the area for a minimum of 48 hours to allow the concrete set properly.
- \_\_9) **Once the concrete has set**, back fill dirt over the footing holes; inspect the area and components for tools, hazardous debris and sharp edges. Verify all components are installed and all hardware is tight and then install the safety surfacing.



INSTALLATION STEPS CONTINUED	INSTALL	ATION	<b>STEPS</b>	<b>CONTINUED</b>
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\_\_10) **Inspect the components:** for sharp edges and if necessary file them down and apply touch up paint.



#### INSTALLATION DETAILS

Recommended crew (Adult): 1

■ Installation time: 30 min (.5 man hrs)

User age: 2-12Use zone: NAWeight: 29

**SURFACING:** Use of safety surfacing in compliance with ASTM specification F1292 is required.

#### **MAINTENANCE:**

- As the owner of the playground you are responsible for maintenance of the equipment and play area. A maintenance schedule must be developed and the equipment inspected frequently. A maintenance section that includes component specific maintenance requirements is included at the end of this manual.
- Be sure to inspect surfacing for foreign objects that could cause injury and that sufficient surfacing is in place in accordance with ASTM and CPSC standards.

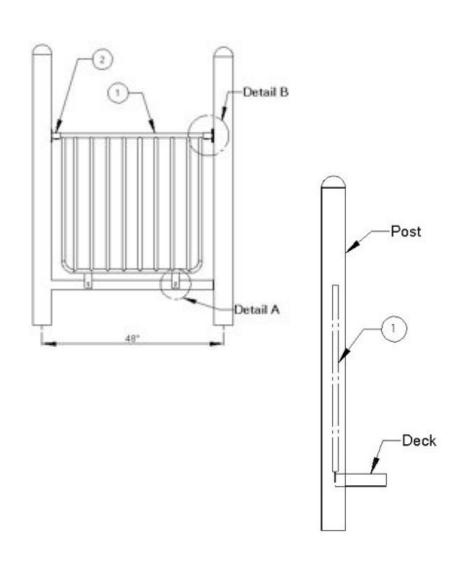




#### **PARTS LIST**

ID	PART #	DESCRIPTION	QTY
1	923-121	Guard Wall	
2	913-402	Four-Hole Attachment Bracket	2
3	905-208	Attachment Bracket Gasket	2
4	905-526	Self-Tapping Screw	8
5	196-807	3/8"x3/8" Set Screw	2
6	126-701bps	3/8"x1 1/4" Button Head Bolt	2
7	316-601	3/8" Flat Washer	4
8	226-602	3/8" Lock Nut	2

**NOTE:** Keep a copy of these instructions on file to assist you with maintenance and replacement parts.





#### **SPECIFICATIONS**

- Paint Electrostatically applied & oven cured powder coat
- Hardware Stainless steel & tamper resistant
- **Tube** FloCoat® Galvanized 1 3/8" O.D. and 1" O.D.
- Attachment Bracket Powder coated cast aluminum
- **Guard Wall-1** 3/8" O.D. and 1" O.D.

#### SPECIAL SAFETY & ASTM COMPLIANCE NOTES

• <u>CRITICAL MEASUREMENT</u> IT IS EXTREMILY IMPORTANT THAT YOU MAINTAIN A MAXIMUM OF 3 1/2" DISTANCE BETWEEN THE TOP, BOTTOM, OR SIDES OF THE PANEL AND THE NEAREST EDGE OF THE DECK OR POSTS.

#### **INSTALLATION TIPS & TROUBLE SHOOTING**

- SportsPlay Equipment Inc. recommends pre-drilling the holes in the post when attaching a four-hole bracket with a number #7 drill bit. This will make the attachment of the four-hole bracket with the self-tapping screws easier and it will prevent damage to the screw head during installation.
- Apply locktite to all bolts during assembly prior to completely tightening them.
- Stainless Steel hardware can occasionally be difficult to use particularly if you need to take them out to make an adjustment. It is recommended that you add a drop of oil to bolts that may have to be removed before you install them.
- Do not tighten bolts all the way until the unit is completely assembled and all components are square and level.
- Identify and separate all parts by referencing the detail drawings and the parts list.
- As you unpack and separate the components, use the cardboard sheets that were used for packing and shipping to prevent damage to the components. This is particularly true all Powder Coated and Thermoplastic coated components, by setting the components on top of the cardboard.

February 17, 2010

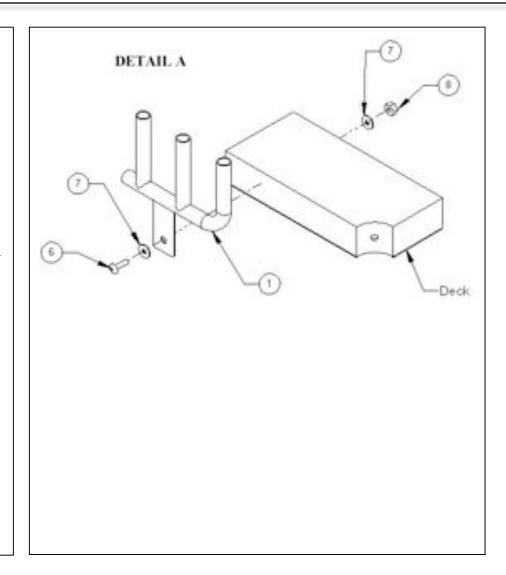


#### **BEFORE YOU BEGIN**

In addition to the components on the packing list you will need a drill with a #7 drill bit, tape measure, 7/32" Allen Wrench, 9/16" wrench and a dry erase marker.

#### **INSTALLATION STEPS**

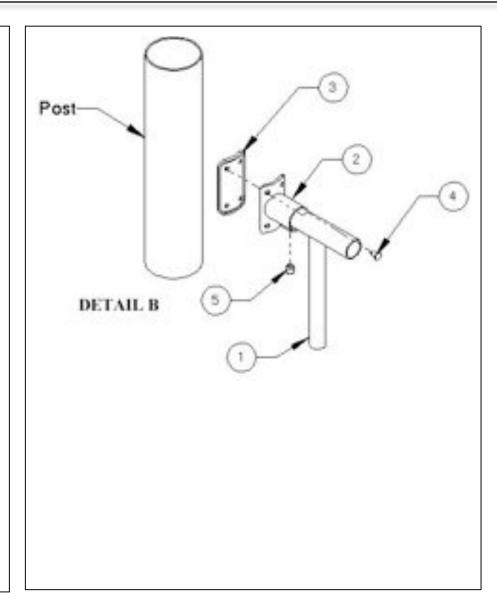
- \_\_1) Review all instructions before beginning:
- \_\_2) Unpack, organize, and identify all components: Be sure to place all painted components on a protective surface (cardboard, cloth, etc...) to prevent damage.
- \_\_3) Locate placement of the Guard Wall: See top down view of your instruction booklet.
- \_\_4) Attach Panel to Deck: You will need the Guard Wall (1) two Four-Hole Attachment Brackets (2), two Attachment Bracket Gaskets (3), eight Self-Tapping Screws (4),two 3/8"x3/8" Set Screws (5) two 3/8x1 1/4" Button Head Bolts (6), four 3/8" Flat washers (7) and two 3/8" Lock Nuts (8). First you will need to place the two Four-Hole Brackets on the Guard Wall but do not attach the brackets to the post at this time (See detail B). Using the 3/8x1 1/4" Button Head Bolts with a flat washer installed, place it through the tab on the Guard Wall and into the correct factory punched hole in the deck you are installing it to. Secure it with a 3/8 Flat Washer and 3/8" Locknut on the underside of deck, do not completely tighten locknut at this time. (See detail A)





#### INSTALLATION STEPS CONTINUED

- 5) Connect Four-Hole brackets to posts: Now you need to install the Four-Hole Brackets to the posts. The top of the Guard Wall should be 38" from the surface of the deck to the top of the panel. Once you have the top of the panel at the correct height tighten the two 3/8"x1 1/4" Button Head bolts (6). The Four-Hole Brackets are installed with the Self-Tapping Screws (4) and Attachment Bracket Gaskets (5) make sure that the hole for the 3/8x 3/8" set screw is pointing down. TIP: It's easier to install the self-tapping screws if you pre drill the holes in the post with a #7 drill bit. Install the Self-Tapping Screws into the holes you have drilled in the posts with the Attachment Bracket Gasket between the post and Four-Hole Attachment Bracket. (See detail B)
- \_\_6) Secure the Guard Wall to the Attachment Bracket: Install and tighten the 3/8x3/8" Set Screw (5) in the Four-Hole Bracket. (See detail B)
- \_\_7) **Inspect the components:** for sharp edges and if necessary file them down and apply touch up paint.





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#### INSTALLATION DETAILS

Recommended crew (Adult): 1

Installation time: 30 min (.5 man hrs)

User age: 2-12Use zone: NAWeight: 31

**SURFACING:** Use of safety surfacing in compliance with ASTM specification F1292 is required.

#### **MAINTENANCE:**

- As the owner of the playground you are responsible for maintenance of the equipment and play area. A maintenance schedule must be developed and the equipment inspected frequently. A maintenance section that includes component specific maintenance requirements is included at the end of this manual.
- Be sure to inspect surfacing for foreign objects that could cause injury and that sufficient surfacing is in place in accordance with ASTM and CPSC standards.

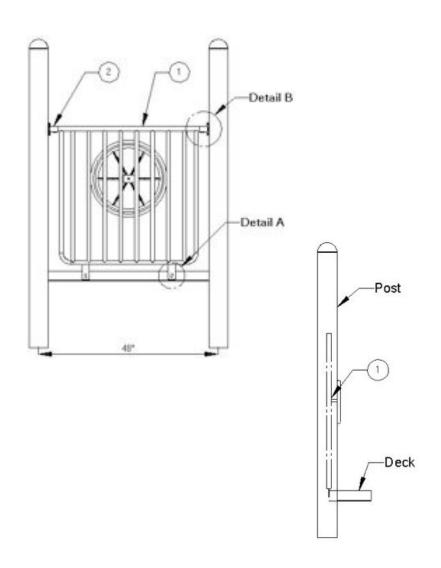




#### **PARTS LIST**

ID	PART #	DESCRIPTION	QTY
1	923-121-W	Guard Wall With Wheel	
2	913-402	Four-Hole Attachment Bracket	2
3	905-208	Attachment Bracket Gasket	2
4	905-526	Self-Tapping Screw	8
5	196-807	3/8"x3/8" Set Screw	2
6	126-701bps	3/8"x1 <sup>1</sup> / <sub>4</sub> " Button Head Bolt	2
7	316-601	3/8" Flat Washer	4
8	226-602	3/8" Lock Nut	2
9	905-116 (Blue)	Steering Wheel	1
	905-114 (Red)		
	905-117 (Yell)		
10	116-600	½" x 2 ½" Button Head Bolt	1
11	316-801	½" Flat Washer	5
12	226-802	½" Lock Nut	1

**NOTE:** Keep a copy of these instructions on file to assist you with maintenance and replacement parts.





#### **SPECIFICATIONS**

- Paint Electrostatically applied & oven cured powder coat
- Hardware Stainless steel & tamper resistant
- **Tube** FloCoat® Galvanized 1 3/8" O.D. and 1" O.D.
- Attachment Bracket Powder coated cast aluminum
- Guard Wall-1 3/8" O.D. and 1" O.D.
- Steering Wheel-Injection Molded Plastic

#### SPECIAL SAFETY & ASTM COMPLIANCE NOTES

 <u>CRITICAL MEASUREMENT</u> IT IS EXTREMILY IMPORTANT THAT YOU MAINTAIN A MAXIMUM OF 3 1/2" DISTANCE BETWEEN THE TOP, BOTTOM, OR SIDES OF THE PANEL AND THE NEAREST EDGE OF THE DECK OR POSTS.

#### **INSTALLATION TIPS & TROUBLE SHOOTING**

- SportsPlay Equipment Inc. recommends pre-drilling the holes in the post when attaching a four-hole bracket with a number #7 drill bit. This will make the attachment of the four-hole bracket with the self-tapping screws easier and it will prevent damage to the screw head during installation.
- Apply locktite to all bolts during assembly prior to completely tightening them.
- Stainless Steel hardware can occasionally be difficult to use particularly if you need to take them out to make an adjustment. It is recommended that you add a drop of oil to bolts that may have to be removed before you install them.
- Do not tighten bolts all the way until the unit is completely assembled and all components are square and level.
- Identify and separate all parts by referencing the detail drawings and the parts list.
- As you unpack and separate the components, use the cardboard sheets that were used for packing and shipping to prevent damage to the components. This is particularly true all Powder Coated and Thermoplastic coated components, by setting the components on top of the cardboard.

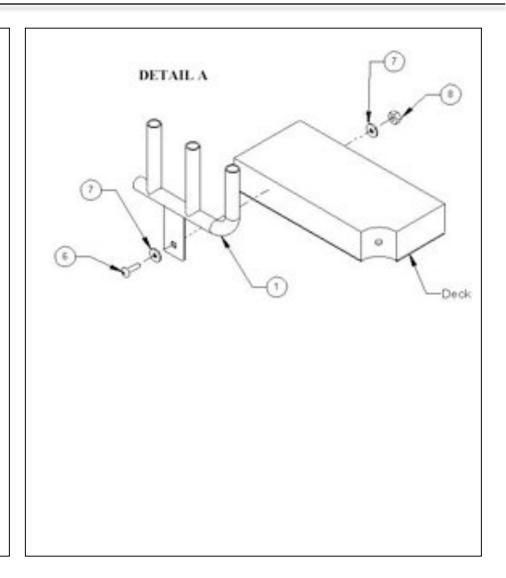


#### **BEFORE YOU BEGIN**

In addition to the components on the packing list you will need a drill with a #7 drill bit, tape measure, 7/32" Allen Wrench, 9/16" wrench and a dry erase marker.

#### **INSTALLATION STEPS**

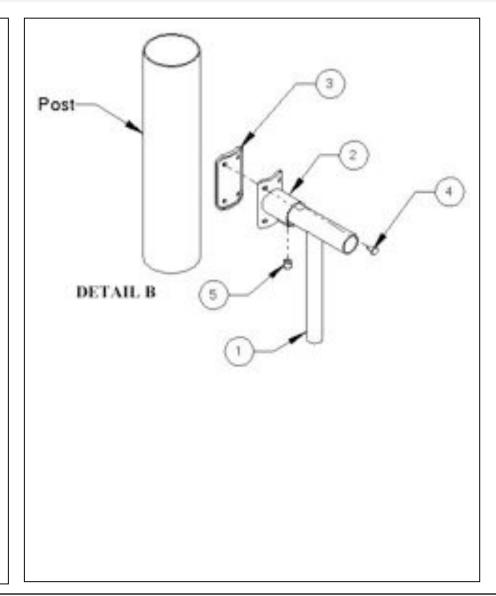
- \_\_1) Review all instructions before beginning:
- \_\_2) **Unpack, organize, and identify all components:** Be sure to place all painted components on a protective surface (cardboard, cloth, etc...) to prevent damage.
- \_\_3) Locate placement of the Guard Wall with Wheel: See top down view of your instruction booklet.
- \_\_4) Attach Panel to Deck: You will need the Guard Wall with Wheel (1) two Four-Hole Attachment Brackets (2), two Attachment Bracket Gaskets (3), eight Self-Tapping Screws (4),two 3/8"x3/8" Set Screws (5) two 3/8x1 ½" Button Head Bolts (6), four 3/8" Flat washers (7) and two 3/8" Lock Nuts (8). First you will need to place the two Four-Hole Brackets on the Guard Wall with Wheel but do not attach the brackets to the playground post at this time. (See detail B) Using the 3/8x1 ½" Button Head Bolts with a flat washer installed, place it through the Guard Wall with Wheel and into the correct factory punched hole in the deck you are installing it to. Secure it with a 3/8 Flat Washer and 3/8" Locknut on the underside of deck, do not completely tighten locknut at this time. (See detail A)





#### **INSTALLATION STEPS CONTINUED**

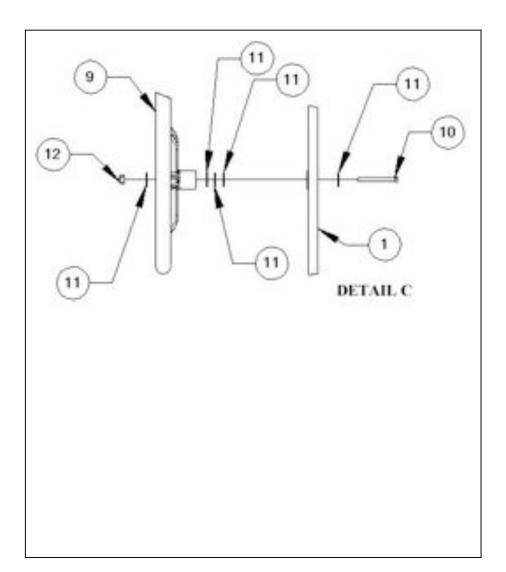
- 5) Connect Four-Hole brackets to posts: Now you need to install the Four-Hole Brackets to the posts. The top of the, Guard Wall with Wheel should be 38" from the surface of the deck to the top of the panel. Once you have the top of the panel at the correct height tighten the two 3/8"x1 1/4" Button Head bolts (6). The Four-Hole Brackets get installed with the Self-Tapping Screws (4) and Attachment Bracket Gaskets (5) make sure that the hole for the 3/8x 3/8" set screw is pointing down. TIP: It's easier to install the self-tapping screws if you pre drill the holes in the post with a #7 drill bit. Install the Self-Tapping Screws into the holes you have drilled in the posts with the Attachment Bracket Gasket between the post and Four- Hole Attachment Bracket. (See detail B)
- \_\_6) Secure the Guard Wall with Wheel to the Attachment Bracket: Install and tighten the 3/8x3/8" Set Screw (5) in the Four-Hole Bracket. (See detail B)
- \_\_7 **Install the Steering Wheel:** You will Need the ½" x 2 ½" Button Head Bolt (10), five ½" Flat Washers and one ½" Lock Nut. Place one ½" Flat Washer on the ½" x 2 ½" Button Head Bolt, insert this into the Steering Wheel and place three more ½" Flat Washers on the ½"x 2 ½" Button Head Bolt behind the Steering Wheel. Place this sub assembly into the factory punched hole in the Guard Wall with wheel Bracket. Place the remaining ½" Flat washer on the ½" Button Head Bolt and secure it with the ½" Lock Nut. DO NOT OVER TIGHTEN THE NUT. THE STEERING WHEEL MUST SPIN FREELEY. (See Detail C)





#### **INSTALLATION STEPS CONTINUED**

\_\_8) **Inspect the components:** for sharp edges and if necessary file them down and apply touch up paint.



February 17, 2010



#### INSTALLATION DETAILS

Recommended crew (Adult): 1

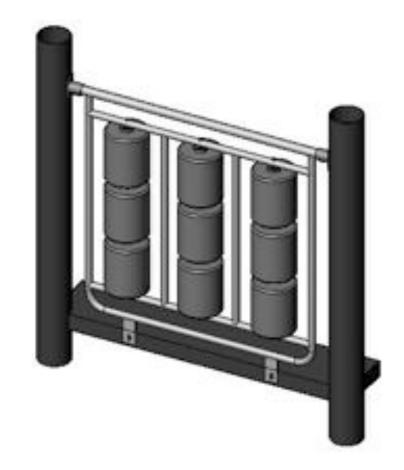
Installation time: 30 min (.5 man hrs)

User age: 2-12Use zone: NAWeight: 31

**SURFACING:** Use of safety surfacing in compliance with ASTM specification F1292 is required.

#### **MAINTENANCE:**

- As the owner of the playground you are responsible for maintenance of the equipment and play area. A maintenance schedule must be developed and the equipment inspected frequently. A maintenance section that includes component specific maintenance requirements is included at the end of this manual.
- Be sure to inspect surfacing for foreign objects that could cause injury and that sufficient surfacing is in place in accordance with ASTM and CPSC standards.

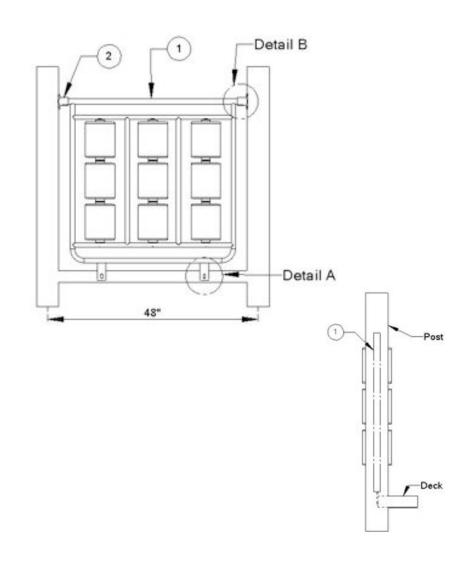




#### **PARTS LIST**

ID	PART #	DESCRIPTION	QTY
1	923-114-F	Tic Tac Toe Frame	
2	913-402	Four-Hole Attachment Bracket	2
3	905-208	Attachment Bracket Gasket	2
4	905-526	Self-Tapping Screw	8
5	196-807	3/8"x3/8" Set Screw	2
6	126-701bps	3/8"x1 1/4" Button Head Bolt	2
7	316-601	3/8" Flat Washer	4
8	226-602	3/8" Lock Nut	2

**NOTE:** Keep a copy of these instructions on file to assist you with maintenance and replacement parts.





#### **SPECIFICATIONS**

- Paint Electrostatically applied & oven cured powder coat
- Hardware Stainless steel & tamper resistant
- **Tube** FloCoat® Galvanized 1 3/8" O.D. and 1" O.D.
- Attachment Bracket Powder coated cast aluminum
- **Guard Wall-**1 3/8" O.D. and 1" O.D.
- **Tic Tac Toe Frame-** 1 3/8" tube MIG welded together.
- **Tic Tac Toe Spindle-** 1" tube with a 3/8" T nut MIG welded together.
- Tic Tac Toe block-Roto Molded Plastic.

#### SPECIAL SAFETY & ASTM COMPLIANCE NOTES

 <u>CRITICAL MEASUREMENT</u> IT IS EXTREMILY IMPORTANT THAT YOU MAINTAIN A MAXIMUM OF 3 1/2" DISTANCE BETWEEN THE TOP, BOTTOM, OR SIDES OF THE PANEL AND THE NEAREST EDGE OF THE DECK OR POSTS.

#### **INSTALLATION TIPS & TROUBLE SHOOTING**

- SportsPlay Equipment Inc. recommends pre-drilling the holes in the post when attaching a four-hole bracket with a number #7 drill bit. This will make the attachment of the four-hole bracket with the self-tapping screws easier and it will prevent damage to the screw head during installation.
- Apply locktite to all bolts during assembly prior to completely tightening them.
- Stainless Steel hardware can occasionally be difficult to use particularly if you need to take them out to make an adjustment. It is recommended that you add a drop of oil to bolts that may have to be removed before you install them.
- Do not tighten bolts all the way until the unit is completely assembled and all components are square and level.
- Identify and separate all parts by referencing the detail drawings and the parts list.
- As you unpack and separate the components, use the cardboard sheets that were used for packing and shipping to prevent damage to the components. This is particularly true all Powder Coated and Thermoplastic coated components, by setting the components on top of the cardboard.

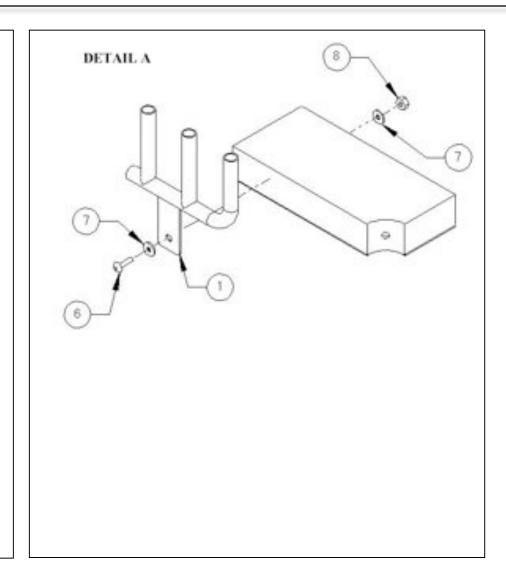


#### **BEFORE YOU BEGIN**

In addition to the components on the packing list you will need a drill with a #7 drill bit, tape measure, 7/32" Allen Wrench, 9/16" wrench and a dry erase marker.

#### **INSTALLATION STEPS**

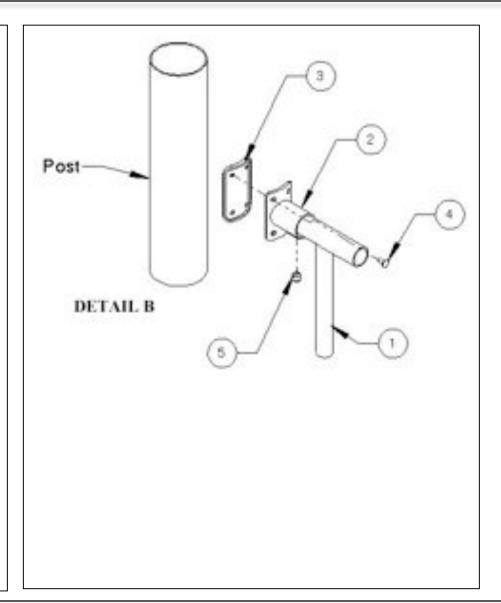
- \_\_1) Review all instructions before beginning:
- \_\_2) **Unpack, organize, and identify all components:** Be sure to place all painted components on a protective surface (cardboard, cloth, etc...) to prevent damage.
- \_\_3) Locate placement of the Tic Tac Toe Panel: See top down view of your instruction booklet.
- \_\_4) Attach Panel to Deck: You will need the Tic Tac Toe Panel (1) two Four-Hole Attachment Brackets (2), two Attachment Bracket Gaskets (3), eight Self-Tapping Screws (4),two 3/8"x3/8" Set Screws (5) two 3/8x1 1/4" Button Head Bolts (6), four 3/8" Flat washers (7) and two 3/8" Lock Nuts (8). First you will need to place the two Four-Hole Brackets on the Tic Tac Toe Panel DO NOT ATTACH BRACKETS TO POST AT THIS TIME. (See detail B) Using the 3/8x1 1/4" Button Head Bolts with a flat washer installed, place it through the Tic Tac Toe Panel and into the correct factory punched hole in the deck you are installing it to. Secure it with a 3/8 Flat Washer and 3/8" Locknut on the underside of deck, do not completely tighten locknut at this time. (See detail A)





#### **INSTALLATION STEPS CONTINUED**

- 5) Connect Four-Hole brackets to posts: Now you need to install the Four-Hole Brackets to the posts. The top of the Tic Tac Toe Panel should be 38" from the surface of the deck to the top of the panel. Once you have the top of the panel at the correct height tighten the two 3/8"x1 1/4" Button Head bolts (6). The Four-Hole Brackets get installed with the Self-Tapping Screws (4) and Attachment Bracket Gaskets (5) make sure that the hole for the 3/8x 3/8" set screw is pointing down. TIP: It's easier to install the self-tapping screws if you pre drill the holes in the post with a #7 drill bit. Install the Self-Tapping Screws into the holes you have drilled in the posts with the Attachment Bracket Gasket between the post and Four- Hole Attachment Bracket. (See detail B)
- \_\_6) Secure the Tic Tac Toe Panel to the Attachment Bracket: Install and tighten the 3/8x3/8" Set Screw (5) in the Four-Hole Bracket. (See detail B)
- \_\_7) **Inspect the components:** for sharp edges and if necessary file them down and apply touch up paint





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### **INSTALLATION APPENDIX**



FINAL INSTALLATION STEPS

\_\_1. Once the entire playground has been assembled level and square each post, deck and component.

2. Tighten all hardware.

\_\_3. Starting at the center of the structure and working out towards the perimeter of the structure, pour concrete into footing holes. Leave 2" from the top of the hole to the top of the concrete to allow for backfill. Slope concrete down and away from post to water from seeping between the post and the concrete. Refer to the footing sections in the individual component instructions for a cutaway drawing.

\_\_4. Clean off any concrete that may have splashed onto equipment before it dries.

\_\_5. After the concrete has set for a minimum of 48 hours (refer to manufacturers instructions for proper cure time) you should backfill the holes. Also, remove any concrete that is not in the holes so they don't become a hazard for children.

\_\_6. Install labels as instructed on the next page.

\_\_7. Install Surfacing. A protective surfacing material is required under and around all play equipment within the use zone. If using loose fill surfacing, we recommend a depth of 12" for the entire use zone.

Loose fill surfacing material must be maintained at the required depth within the use zone. Loose fill material must be replaced or added as necessary to maintain its resilient properties.



#### LABEL INSTALLATION

SportsPlay Equipment Inc. has included multiple labels that must be installed on the playground structure as recommended by ASTM.

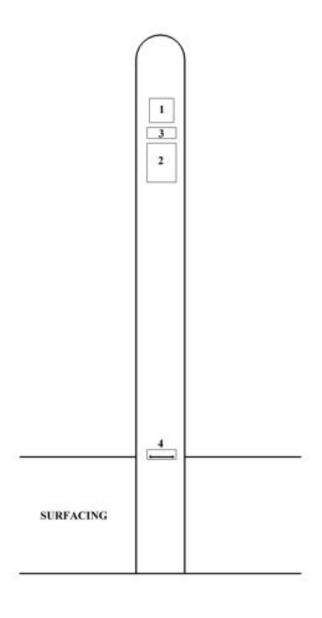
There are four different labels that, as the owner you are required to install and maintain. If a label becomes damaged please contact your distributor for replacement.

- 1) Warning label Qty 4
- 2) Supervision and Age Appropriateness Qty 4
- 3) Manufacturers Identification Qty 4
- 4) Safety Surfacing Qty 1 label per post

\_\_1. **Identify the proper location.** The image to the right shows the proper placement for the labels on the playground post. With the exception of the surfacing labels all labels must be placed between 48" and 60" from the top of the surfacing on the main posts in a conspicuous location, on all four sides of the playground that will be visible to adults.

The surfacing labels shall be placed so that the arrows on the label are level with the top of the recommended surfacing.

\_\_2. **Apply.** Once you have identified the proper location for the labels ensure that the location is clean and dry, remove the backing from the label and attach them to the post. Smooth out any wrinkles or bubbles by rubbing the backing piece on the surface of the label.





## MAINTENANCE AND INSPECTION PROCEDURES

An inspection and maintenance program is a requirement for all playground equipment. As the owner/operator you are responsible for developing a comprehensive inspection and maintenance program for each piece of equipment you own.

Daily inspections of all play areas and equipment for potential hazards is recommended. Pay special attention to moving parts and other components that are expected to wear. Also inspect for foreign debris (broken glass, nails, sharp metal) that could cause injury in and around all play areas.

At a minimum inspections should be scheduled and performed based on the component maintenance requirements. Inspection is not enough, you must perform necessary maintenance when a problem is identified and the equipment must be taken out of service until it is corrected.

A person familiar with the equipment should perform inspections and maintenance.

The component maintenance sheets and a general inspection checklist are included in the next section of this booklet and as the owner it is your responsibility to ensure that you have a copy of each sheet for each component on your playground. If you require additional maintenance sheets simply contact your distributor for a new copy.

All documents that have been included are originals and you will need to make copies to use while performing the inspections and any required maintenance.

All completed forms should be put on file or you may want to insert them at the end of this manual.

Before making copies, note the site location and identify which playground each form is for, on the form itself to prevent using the forms from this playground on equipment from another playground.

#### **SURFACING**

Surfacing should be inspected regularly (daily) to ensure that the required surfacing has not been displaced. Displaced surfacing should be raked back into its proper place to maintain the required depth.

Things to look for during inspection:

- 1. Heavy traffic areas (swings and slide exits) which are prone to surfacing displacement
- 2. Standing water: Surfacing compacts much faster when wet.
- 3. Most loose fill surfacing will no longer function as a protective surfacing when frozen.

SportsPlay Equipment does not manufacture surfacing and is only providing this information on surfacing as a guide for safety. Please contact the manufacturer of your surfacing for a complete guide on surfacing inspection and maintenance



UNDERSTANDING THE MAINTENANCE FORMS

The first form is the General Inspection checklist. This form will cover the basic inspection of the play equipment and area. SportsPlay recommends performing this inspection daily as it covers basic safety of the equipment and area. Documenting this inspection is up to you but you can simply laminate a copy and mark each item with a dry erase marker before allowing access to the area.

After the general maintenance checklist you will find the component maintenance forms. There are two types of components maintenance forms. The first type covers common components or items found on all playgrounds SportsPlay Equipment manufactures (ex: main posts, labels, four hole brackets, footings etc...). The other type of component maintenance forms is specific to the components found on your playground (specific slide, climber, etc...).

Each component form has two sections. The first gives details about what to look for and how to make repairs (not all problems can be repaired in the field) and the second part is the form you will use while performing the inspection/maintenance. The second part includes the inspection checklist and recommended frequency along with a spot to document the date, pass or fail and a signature line for the inspector. If repairs were required there is a spot to list the problem and the action taken. Once these forms have been completed you should either insert them into the back of this manual or keep them on file elsewhere.

Remember that the documents furnished are the originals and copies should be made to use for the actual inspection.



### ORIGINAL INSPECTION AND MAINTENANCE FORMS



# \_\_\_Adequate surfacing under and around equipment

**GENERAL INSPECTION CHECKLIST** 

Surfacing material is in good condition
Ensure surfacing materials are not compacted (rake and fluff if necessary)
Inspect and remove all foreign objects from play area
No sharp edges on equipment
No missing pieces of equipment
No protruding bolts
No potential clothing entrapments
All safety guards are in place
No open crush or shearing points on moving parts
Inspect and remove or fix all trip hazards (rocks or exposed footings)

No loose or missing hardware Moving parts (example: swings) are not worn Swing chains are not looped over the top bar of the swing There are no modifications to the playground No strings or rope tied to the equipment No liter, tree branches or other debris in and around the play area No obvious damage to the play equipment Equipment is securely installed Windows and bubbles are securely installed with no sign of wear Equipment appears to be installed level and square (no obvious tilt or lean)

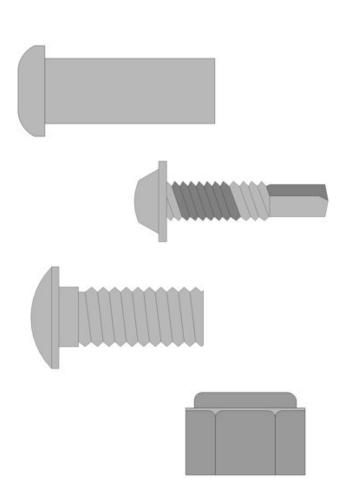


#### Inspect all posts for the following:

- Verify that all hardware is in place and secure
  - Bolts & Nuts Snug tight and then tighten an additional ¼ turn
  - Set Screws Snug tight and then tighten an additional full turn
  - Should you discover hardware is broken or missing order replacement parts immediately Refer to the component installation instructions for part identification
- You will perform this inspection when performing your component inspections

#### **Replacement Parts**

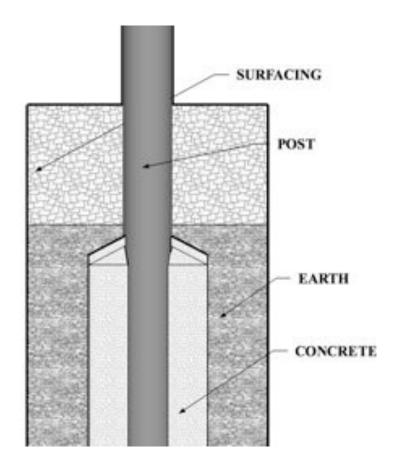
- Contact your distributor to order new labels. If unable to contact distributor please call SportsPlay Equipment for replacements: 1-314-389-4140
- Before calling be sure to identify the proper part, part number and quantity needed
- When ordering replacement hardware you need to order replacement tools since most hardware is tamper resistant





#### **Footings**

- Move surfacing (if loose fill) to expose the footing
- Inspect concrete for cracks or loose supports
  - If cracked footings or loose supports are found you must excavate the soil around the concrete, remove the concrete and pour a new footing
- Replace or move the surfacing back into position and verify correct surfacing levels are maintained in and around the play equipment





#### **INSPECTION FORM**

- MAKE COPIES OF THIS FORM TO USE FOR INSPECTION
- REVIEW THE "MAINTENANCE GUIDE" IN THE APPENDIX TO BETTER UNDERSTAND THE IMPORTANCE OF MAINTENANCE AND HOW TO DEVELOP A MAINTENANCE SCHEDULE.
- DOCUMENT ALL MAINTENANCE ACTIONS ON THE LIST AS WELL AS ANY NOT LISTED.
- INCLUDE DATES AND SIGNATURES

Inspection Checklist		Recommended Frequency	Grade (Pass/Fail/NA)	Date Inspected	Date Repairs Completed
Inspect footings for cracks		Yearly		•	•
Inspect footings for loose support	S	Yearly			
Inspector:	Inspector: Signature:		Date:		
	Mai	ntenance Record			
Part	Problem		Correct	Date	

February 17, 2010



## Inspect all four labels at all locations for the following:

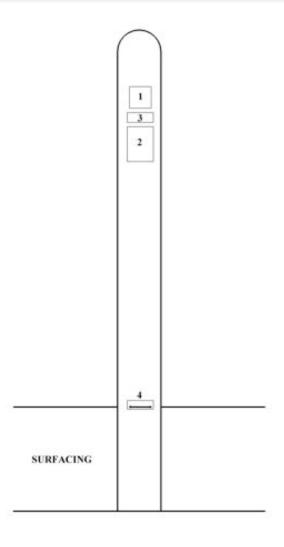
- The labels are present
- The labels are not worn
- There are Manufactures id, age group and warning labels (labels 1-3 on the drawing to the right) on all four sides at eye level.
- Each post shall have a surfacing level label (label 4 on the drawing) at the proper position on the post
- If any of the labels are worn or missing order replacements

#### **Replacement Parts**

Contact your distributor to order new labels. If unable to contact distributor please call SportsPlay Equipment for replacements: 1-314-389-4140

#### **Installing new labels**

- Clean the surface where the label is being applied
- Allow surface to dry
- Apply label
- Use the label backing material to smooth out all wrinkles and bubbles





#### **INSPECTION FORM**

- MAKE COPIES OF THIS FORM TO USE FOR INSPECTION
- REVIEW THE "MAINTENANCE GUIDE" IN THE APPENDIX TO BETTER UNDERSTAND THE IMPORTANCE OF MAINTENANCE AND HOW TO DEVELOP A MAINTENANCE SCHEDULE.
- DOCUMENT ALL MAINTENANCE ACTIONS ON THE LIST AS WELL AS ANY NOT LISTED.
- INCLUDE DATES AND SIGNATURES

Inspection Checklist		Recommended	Grade	Date	Date Repairs
		Frequency	(Pass/Fail/NA)	Inspected	Completed
Inspect Labels		Monthly		_	
Inspector:	Signature:		Date: _		
	Main	tenance Record			
Part	Problem		Correct	ive Action	Date
		-			



#### Inspect all posts for the following:

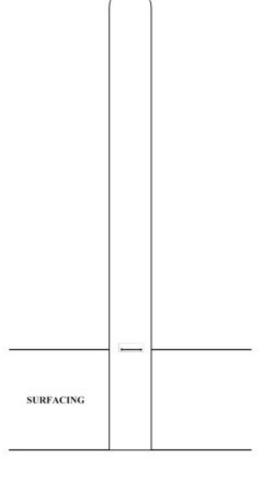
- Verify all posts are securely installed in the concrete footing
  - Review the footing maintenance document for repair procedure should you discover a post is not secure
- Inspect paint for damage, if damaged:
  - If powder coating needs to be repaired sand surface and mask off area. Coat with primer and once the primer has dried paint with color matching touch up paint. Contact distributor of color matching paint.
- Verify there are no sharp edges
  - If there are sharp edges or gouges smooth them down and touch up the paint using the procedure abve

#### **Replacement Parts**

 Contact your distributor to order new labels. If unable to contact distributor please call SportsPlay Equipment for replacements: 1-314-389-4140

#### **LABELS**

 Should you discover a damaged label during inspection, review the label maintenance sheet for instructions on how to replace them.





#### **INSPECTION FORM**

- MAKE COPIES OF THIS FORM TO USE FOR INSPECTION
- REVIEW THE "MAINTENANCE GUIDE" IN THE APPENDIX TO BETTER UNDERSTAND THE IMPORTANCE OF MAINTENANCE AND HOW TO DEVELOP A MAINTENANCE SCHEDULE.
- DOCUMENT ALL MAINTENANCE ACTIONS ON THE LIST AS WELL AS ANY NOT LISTED.
- INCLUDE DATES AND SIGNATURES

Inspection Checklist		Recommended Frequency	Grade (Pass/Fail/NA)	Date Inspected	Date Repairs Completed		
Inspect posts for damage		Monthly	(1 455/1 411/1 (11)	Inspected	Completed		
Verify posts are secure in footings		Monthly					
Inspector:	Inspector: Signature:		Date:				
	Mair	ntenance Record					
Part	Problem		Correct	ive Action	Date		

April 2, 2010



#### **Deck Attachment**

 Ensure deck is securely attched to post and all hardware is in place and in good condition

## Hardware

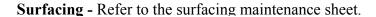
- Inspect for loose or missing hardware. Tighten all loose hardware and replace all missing hardware. Block off access to equipment if necessary.
- Order new hardware from SportsPlay Equipment Inc.

## Welds

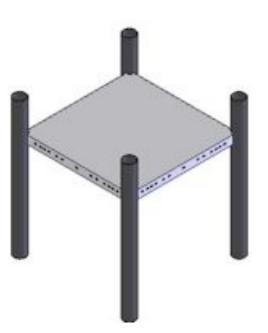
 Inspect all welds for cracks. If a crack is found block access to the playground and contact your distributor for replacement parts immediately.

#### **Finish**

• Inspect all metal components for coating damage. If powder coating needs to be repaired sand surface and mask off area. Coat with primer and once the primer has dried paint with color matching touch up paint. Contact distributor of color matching paint. Contact Distributor for Thermoplastic repair kit.



- Reference the parts list on page 2 of the instruction set for this component to identify the part/s correctly.
- Contact your distributor to order parts.





- MAKE COPIES OF THIS FORM TO USE FOR INSPECTION
- REVIEW THE "MAINTENANCE GUIDE" IN THE APPENDIX TO BETTER UNDERSTAND THE IMPORTANCE OF MAINTENANCE AND HOW TO DEVELOP A MAINTENANCE SCHEDULE.
- DOCUMENT ALL MAINTENANCE ACTIONS ON THE LIST AS WELL AS ANY NOT LISTED.
- INCLUDE DATES AND SIGNATURES

Inspection Checklist		Recommended Frequency	Grade (Pass/Fail/NA)	Date Inspected	Date Repairs Completed
Inspect Deck Attachment to Post		Monthly	(1 455/1 411/1 (11)	Inspected	Completed
Inspect Hardware		Monthly			
Inspect Finish		Monthly			
_			_		
Inspector:	Signature:		Date: _		
	Main	tenance Record			
Part	Problem		Correct	Date	



#### **Deck Attachment**

 Ensure deck is securely attched to post and all hardware is in place and in good condition

## Hardware

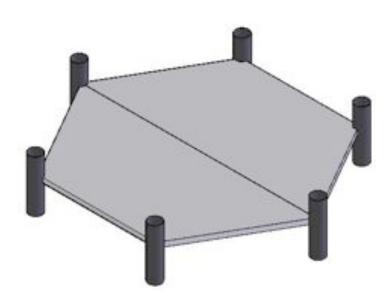
- Inspect for loose or missing hardware. Tighten all loose hardware and replace all missing hardware. Block off access to equipment if necessary.
- Order new hardware from SportsPlay Equipment Inc.

## Welds

 Inspect all welds for cracks. If a crack is found block access to the playground and contact your distributor for replacement parts immediately.

## **Finish**

Inspect all metal components for coating damage. If powder coating needs to be repaired sand surface and mask off area. Coat with primer and once the primer has dried paint with color matching touch up paint. Contact distributor of color matching paint. Contact Distributor for Thermoplastic repair kit.



**Surfacing** - Refer to the surfacing maintenance sheet.

## **Replacement Parts**

- Reference the parts list on page 2 of the instruction set for this component to identify the part/s correctly.
- Contact your distributor to order parts.



- MAKE COPIES OF THIS FORM TO USE FOR INSPECTION
- REVIEW THE "MAINTENANCE GUIDE" IN THE APPENDIX TO BETTER UNDERSTAND THE IMPORTANCE OF MAINTENANCE AND HOW TO DEVELOP A MAINTENANCE SCHEDULE.
- DOCUMENT ALL MAINTENANCE ACTIONS ON THE LIST AS WELL AS ANY NOT LISTED.
- INCLUDE DATES AND SIGNATURES

Inspection Checklist		Recommended	Grade	Date	Date Repairs	
		Frequency	(Pass/Fail/NA)	Inspected	Completed	
Inspect Deck Attachment to Post		Monthly				
Inspect Hardware		Monthly				
Inspect Finish		Monthly				
		•				
T	G: .	<del> </del>	<del> </del>		_	
Inspector:	Signature:	Date:				
	Main	tenance Record				
Part	Problem		Correct	ive Action	Date	



#### **Deck Attachment**

 Ensure deck is securely attched to post and all hardware is in place and in good condition

## Hardware

- Inspect for loose or missing hardware. Tighten all loose hardware and replace all missing hardware. Block off access to equipment if necessary.
- Order new hardware from SportsPlay Equipment Inc.

#### Welds

 Inspect all welds for cracks. If a crack is found block access to the playground and contact your distributor for replacement parts immediately.

## **Finish**

Inspect all metal components for coating damage. If powder coating needs to be repaired sand surface and mask off area. Coat with primer and once the primer has dried paint with color matching touch up paint. Contact distributor of color matching paint. Contact Distributor for Thermoplastic repair kit.



Surfacing - Refer to the surfacing maintenance sheet.

## **Replacement Parts**

- Reference the parts list on page 2 of the instruction set for this component to identify the part/s correctly.
- Contact your distributor to order parts.



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Inspection Checklist		Recommended Frequency	Grade (Pass/Fail/NA)	Date Inspected	Date Repairs Completed
Inspect Deck Attachment to Post		Monthly	(1 455/1 411/1 (11)	Inspected	Completed
Inspect Hardware		Monthly			
Inspect Finish		Monthly			
_			_		
Inspector:	Signature:		Date: _		
	Main	tenance Record			
Part	Problem		Correct	Date	



## **Kick plate Attachment**

 Ensure kick plate is securely attached to the decks and all hardware is in place and in good condition

## Hardware

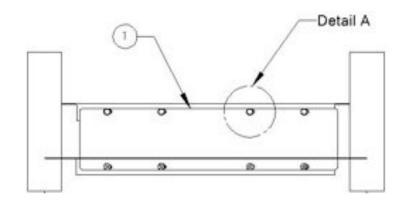
- Inspect for loose or missing hardware. Tighten all loose hardware and replace all missing hardware. Block off access to equipment if necessary.
- Order new hardware from SportsPlay Equipment Inc.

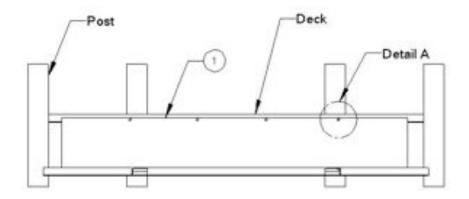
## **Finish**

- Inspect all metal components for coating damage
  - Contact Distributor for Thermoplastic repair kit.
  - Follow instructions on repair kit to repair thermoplastic coated parts

# **Replacement Parts**

- Reference the parts list on page 2 of the instruction set for this component to identify the part/s correctly.
- Contact your distributor to order parts.





## **Kick Plate Identification**

 Refer to the parts list in your instructions to properly identify your kick plate



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Inspection	Recommended Frequency	Grade (Pass/Fail/NA)	Date Inspected	Date Repairs Completed	
Inspect Kick plate Attachment t	o Deck	Monthly		•	•
Inspect Hardware		Monthly			
Inspect Finish		Monthly			
Inspector:	Signature:		Date: _		
	Ma	intenance Record			
Part	Problem	1	Correct	ive Action	Date



- Inspect all four-hole clamps and panel clamps.
- Ensure the setscrews are tight and in place.
- Ensure all Torx Screws are in place and that the bracket is firmly attached to post.
- Inspect the clamps for cracks and sharp edges. Smooth any sharp edges and fix the finish. Replace brackets if cracked

## Hardware

 Inspect for loose or missing hardware. Tighten all loose hardware and replace all missing hardware. Block off access to equipment if necessary.

# **Plastic Components**

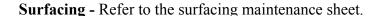
 Inspect for any sharp edges or deformities. Minor deformities and sharp edges can be repaired using a utility knife. Block off access until repairs are made. Contact distributor for replacement parts.

#### Welds

 Inspect all welds for cracks. If a crack is found block access to the playground and contact your distributor for replacement parts immediately.

## **Finish**

• Inspect all metal components for coating damage. If powder coating needs to be repaired sand surface and mask off area. Coat with primer and once the primer has dried paint with color matching touch up paint. Contact distributor of color matching paint. Contact Distributor for Thermoplastic repair kit.



## Slide

- Refer to "Plastic Components" section.
- Inspect run-out section of the slide for standing water. Adjust the slide by digging up existing footing and install it slightly lower to increase the slope of the slide

## **Footings**

 Inspect all footings to ensure equipment is secure. You must block access to prevent access until repair is made

- Reference the parts list on page 2 of the instruction set for this component to identify the part/s correctly.
- Contact your distributor to order parts.





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Inspection Checklist	Recommended Frequency	Grade (Pass/Fail/NA)	Date Inspected	Date Repairs Completed
Inspect Brackets	Weekly			
Inspect Hardware	Weekly			
Inspect Plastic Components	Weekly			
Inspect Finish	Monthly			
Inspect Slide Surface and for standing water	Monthly			
Inspect Footing	Yearly			
Inspect Surfacing	Daily			

Maintenance Record						
Part	Problem	Corrective Action	Date			



- Inspect all four-hole clamps and panel clamps.
- Ensure the setscrews are tight and in place.
- Ensure all Torx Screws are in place and that the bracket is firmly attached to post.
- Inspect the clamps for cracks and sharp edges. Smooth any sharp edges and fix the finish. Replace brackets if cracked.

#### Hardware

 Inspect for loose or missing hardware. Tighten all loose hardware and replace all missing hardware. Block off access to equipment if necessary.

# **Plastic Components**

 Inspect for any sharp edges or deformities. Minor deformities and sharp edges can be repaired using a utility knife. Block off access until repairs are made. Contact distributor for replacement parts.

#### Welds

 Inspect all welds for cracks. If a crack is found block access to the playground and contact your distributor for replacement parts immediately.

#### **Finish**

• Inspect all metal components for coating damage. If powder coating needs to be repaired sand surface and mask off area. Coat with primer and once the primer has dried paint with color matching touch up paint. Contact distributor of color matching paint. Contact Distributor for Thermoplastic repair kit.

**Surfacing -** Refer to the surfacing maintenance sheet.

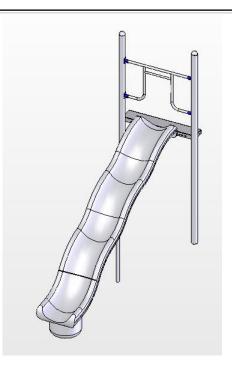
#### Slide

- Refer to "Plastic Components" section.
- Inspect run-out section of the slide for standing water. Adjust the slide by digging up existing footing and install it slightly lower to increase the slope of the slide.



 Inspect all footings to ensure equipment is secure. You must block access to prevent access until repair is made.

- Reference the parts list on page 2 of the instruction set for this component to identify the part/s correctly.
- Contact your distributor to order parts.



Date:



## **INSPECTION FORM**

Inspector:

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Inspection Checklist	Recommended	Grade	Date	Date Repairs
	Frequency	(Pass/Fail/NA)	Inspected	Completed
Inspect Brackets	Weekly			
Inspect Hardware	Weekly			
Inspect Plastic Components	Weekly			
Inspect Finish	Monthly			
Inspect Slide Surface and for standing water	Monthly			
Inspect Footing	Yearly			
Inspect Surfacing	Daily			

Maintenance Record						
Part	Problem	Corrective Action	Date			
	·		1			

Signature: \_\_\_\_\_

May 14, 2020 2



- Inspect all four-hole clamps and panel clamps.
- Ensure the setscrews are tight and in place.
- Ensure all Torx Screws are in place and that the bracket is firmly attached to post.
- Inspect the clamps for cracks and sharp edges. Smooth any sharp edges and fix the finish. Replace brackets if cracked.

## Hardware

 Inspect for loose or missing hardware. Tighten all loose hardware and replace all missing hardware. Block off access to equipment if necessary.

## **Plastic Components**

• Inspect for any sharp edges or deformities. Minor deformities and sharp edges can be repaired using a utility knife. Block off access until repairs are made. Contact distributor for replacement parts.

#### Welds

 Inspect all welds for cracks. If a crack is found block access to the playground and contact your distributor for replacement parts immediately.

## **Finish**

• Inspect all metal components for coating damage. If powder coating needs to be repaired sand surface and mask off area. Coat with primer and once the primer has dried paint with color matching touch up paint. Contact distributor of color matching paint. Contact Distributor for Thermoplastic repair kit.

**Surfacing** - Refer to the surfacing maintenance sheet.

## Slide

- Refer to "Plastic Components" section.
- Inspect run-out section of the slide for standing water. Adjust the slide by digging up existing footing and install it slightly lower to increase the slope of the slide.

## **Transition Platform**

 Inspect finish contact distributor for repair kit if necessary



## **Footings**

 Inspect all footings to ensure equipment is secure. You must block access to prevent access until repair is made

# **Replacement Parts**

- Reference the parts list on page 2 of the instruction set for this component to identify the part/s correctly.
- Contact your distributor to order parts.



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- INCLUDE DATES AND SIGNATURES

Inspection Checklist	Recommended Frequency	Grade (Pass/Fail/NA)	Date Inspected	Date Repairs Completed
Inspect Brackets	Weekly		_	
Inspect Hardware	Weekly			
Inspect Plastic Components	Weekly			
Inspect Finish	Monthly			
Inspect Slide Surface and for standing water	Monthly			
Inspect Footing	Yearly			
Inspect Surfacing	Daily			

Maintenance Record						
Part	Problem	Corrective Action	Date			



- Inspect all four-hole clamps and panel clamps.
- Ensure the setscrews are tight and in place.
- Ensure all Torx Screws are in place and that the bracket is firmly attached to post.
- Inspect the clamps for cracks and sharp edges. Smooth any sharp edges and fix the finish. Replace brackets if cracked.

## Hardware

 Inspect for loose or missing hardware. Tighten all loose hardware and replace all missing hardware. Block off access to equipment if necessary.

#### Welds

 Inspect all welds for cracks. If a crack is found block access to the playground and contact your distributor for replacement parts immediately.

## **Finish**

• Inspect all metal components for coating damage. If powder coating needs to be repaired sand surface and mask off area. Coat with primer and once the primer has dried paint with color matching touch up paint. Contact distributor of color matching paint. Contact Distributor for Thermoplastic repair kit.

**Surfacing** - Refer to the surfacing maintenance sheet.

## **Footings**

 Inspect all footings to ensure equipment is secure. You must block access to prevent access until repair is made.



- Reference the parts list on page 2 of the instruction set for this component to identify the part/s correctly.
- Contact your distributor to order parts.



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- INCLUDE DATES AND SIGNATURES

1		Frequency	(Pass/Fail/NA)	Inspected	Completed	
Inspect Brackets		Monthly	(1 405/1 411/1111)	Inspected	Completed	
Inspect Hardware		Monthly				
Inspect Finish		Monthly				
Inspect Footing		Yearly				
Inspector:	Signature:		Date: _			
	N	Maintenance Record				
Part	Proble	Problem		Corrective Action		



- Inspect all four-hole clamps and panel clamps.
- Ensure the setscrews are tight and in place.
- Ensure all Torx Screws are in place and that the bracket is firmly attached to post.
- Inspect the clamps for cracks and sharp edges. Smooth any sharp edges and fix the finish. Replace brackets if cracked.

## Hardware

 Inspect for loose or missing hardware. Tighten all loose hardware and replace all missing hardware. Block off access to equipment if necessary.

## Welds

 Inspect all welds for cracks. If a crack is found block access to the playground and contact your distributor for replacement parts immediately.

#### **Finish**

• Inspect all metal components for coating damage. If powder coating needs to be repaired sand surface and mask off area. Coat with primer and once the primer has dried paint with color matching touch up paint. Contact distributor of color matching paint. Contact Distributor for Thermoplastic repair kit.

**Surfacing** - Refer to the surfacing maintenance sheet.

## **Footings**

 Inspect all footings to ensure equipment is secure. You must block access to prevent access until repair is made.



- Reference the parts list on page 2 of the instruction set for this component to identify the part/s correctly.
- Contact your distributor to order parts.



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- DOCUMENT ALL MAINTENANCE ACTIONS ON THE LIST AS WELL AS ANY NOT LISTED.
- INCLUDE DATES AND SIGNATURES

Inspection Checklist Recommender Frequency		Recommended Frequency	Grade (Pass/Fail/NA)	Date Inspected	Date Repairs Completed		
Inspect Brackets		Monthly		•	•		
Inspect Hardware		Monthly					
Inspect Finish		Monthly					
Inspect Footing		Yearly					
Inspector:	Signature:		Date:				
Inspector: Signature: Date: Date:							
Part	Proble	Problem		ive Action	Date		

# 922-116-5 VERTICAL CLIMBER/PROTECTIVE BARRIER EQUIPMENT MAINTENANCE

#### **Brackets**

- Inspect all four-hole clamps and panel clamps.
- Ensure the setscrews are tight and in place.
- Ensure all Torx Screws are in place and that the bracket is firmly attached to post.
- Inspect the clamps for cracks and sharp edges. Smooth any sharp edges and fix the finish. Replace brackets if cracked.

## Hardware

 Inspect for loose or missing hardware. Tighten all loose hardware and replace all missing hardware. Block off access to equipment if necessary.

#### Welds

 Inspect all welds for cracks. If a crack is found block access to the playground and contact your distributor for replacement parts immediately.

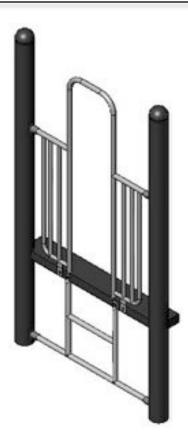
#### **Finish**

• Inspect all metal components for coating damage. If powder coating needs to be repaired sand surface and mask off area. Coat with primer and once the primer has dried paint with color matching touch up paint. Contact distributor of color matching paint. Contact Distributor for Thermoplastic repair kit.

**Surfacing -** Refer to the surfacing maintenance sheet.

## **Footings**

 Inspect all footings to ensure equipment is secure. You must block access to prevent access until repair is made.



## **Replacement Parts**

- Reference the parts list on page 2 of the instruction set for this component to identify the part/s correctly.
- Contact your distributor to order parts.



# 922-116-5 VERTICAL CLIMBER/PROTECTIVE BARRIER EQUIPMENT MAINTENANCE

Grade

## **INSPECTION FORM**

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Recommended

- DOCUMENT ALL MAINTENANCE ACTIONS ON THE LIST AS WELL AS ANY NOT LISTED.
- INCLUDE DATES AND SIGNATURES

Inspection Checklist

Inspection Checking		Frequency	(Pass/Fail/NA)	Inspected	Completed
Inspect Brackets		Monthly		_	-
Inspect Hardware		Monthly			
Inspect Finish		Monthly			
Inspect Footing		Yearly			
Inspector:	Inspector: Signature:		Date:		
	Main	tenance Record			
Part	Problem		Correct	ive Action	Date
L					L



- Inspect all four-hole clamps and panel clamps.
- Ensure the setscrews are tight and in place.
- Ensure all Torx Screws are in place and that the bracket is firmly attached to post.
- Inspect the clamps for cracks and sharp edges. Smooth any sharp edges and fix the finish. Replace brackets if cracked.

## Hardware

 Inspect for loose or missing hardware. Tighten all loose hardware and replace all missing hardware. Block off access to equipment if necessary.

#### Welds

 Inspect all welds for cracks. If a crack is found block access to the playground and contact your distributor for replacement parts immediately.

#### **Finish**

• Inspect all metal components for coating damage. If powder coating needs to be repaired sand surface and mask off area. Coat with primer and once the primer has dried paint with color matching touch up paint. Contact distributor of color matching paint. Contact Distributor for Thermoplastic repair kit.

**Surfacing** - Refer to the surfacing maintenance sheet.

## **Footings**

 Inspect all footings to ensure equipment is secure. You must block access to prevent access until repair is made.



## **Replacement Parts**

- Reference the parts list on page 2 of the instruction set for this component to identify the part/s correctly.
- Contact your distributor to order parts.



# 922-116-6 VERTICAL CLIMBER/PROTECTIVE BARRIER EQUIPMENT MAINTENANCE

## **INSPECTION FORM**

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- DOCUMENT ALL MAINTENANCE ACTIONS ON THE LIST AS WELL AS ANY NOT LISTED.
- INCLUDE DATES AND SIGNATURES

Inspection Checklist		Recommended	Grade	Date	Date Repairs	
		Frequency	(Pass/Fail/NA)	Inspected	Completed	
Inspect Brackets		Monthly				
Inspect Hardware		Monthly				
Inspect Finish		Monthly				
Inspect Footing		Yearly				
		+	+		_	
Inspector:	Signature:	Date:				
		intenance Record				
Part	Problem		Correct	ive Action	Date	



- Inspect all four-hole clamps and panel clamps.
- Ensure the setscrews are tight and in place.
- Ensure all Torx Screws are in place and that the bracket is firmly attached to post.
- Inspect the clamps for cracks and sharp edges. Smooth any sharp edges and fix the finish. Replace brackets if cracked.

## Hardware

 Inspect for loose or missing hardware. Tighten all loose hardware and replace all missing hardware. Block off access to equipment if necessary.

## Welds

 Inspect all welds for cracks. If a crack is found block access to the playground and contact your distributor for replacement parts immediately.

#### **Finish**

• Inspect all metal components for coating damage. If powder coating needs to be repaired sand surface and mask off area. Coat with primer and once the primer has dried paint with color matching touch up paint. Contact distributor of color matching paint. Contact Distributor for Thermoplastic repair kit.

**Surfacing** - Refer to the surfacing maintenance sheet.

## **Footings**

 Inspect all footings to ensure equipment is secure. You must block access to prevent access until repair is made.



- Reference the parts list on page 2 of the instruction set for this component to identify the part/s correctly.
- Contact your distributor to order parts.



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Recommended

Grade

- DOCUMENT ALL MAINTENANCE ACTIONS ON THE LIST AS WELL AS ANY NOT LISTED.
- INCLUDE DATES AND SIGNATURES

Inspection Checklist

Inspection Checklist		Recommended	Grade	Date	Date Repairs
		Frequency	(Pass/Fail/NA)	Inspected	Completed
Inspect Brackets		Monthly			
Inspect Hardware		Monthly			
Inspect Finish		Monthly			
Inspect Footing		Yearly			
Inspector:	Signature:		Date:		
		Maintenance Record			
Part	Prob	lem	Correct	ive Action	Date



- Inspect all four-hole clamps and panel clamps.
- Ensure the setscrews are tight and in place.
- Ensure all Torx Screws are in place and that the bracket is firmly attached to post.
- Inspect the clamps for cracks and sharp edges. Smooth any sharp edges and fix the finish. Replace brackets if cracked.

## Hardware

 Inspect for loose or missing hardware. Tighten all loose hardware and replace all missing hardware. Block off access to equipment if necessary.

#### Welds

 Inspect all welds for cracks. If a crack is found block access to the playground and contact your distributor for replacement parts immediately.

#### **Finish**

• Inspect all metal components for coating damage. If powder coating needs to be repaired sand surface and mask off area. Coat with primer and once the primer has dried paint with color matching touch up paint. Contact distributor of color matching paint. Contact Distributor for Thermoplastic repair kit.

**Surfacing** - Refer to the surfacing maintenance sheet.

## **Footings**

 Inspect all footings to ensure equipment is secure. You must block access to prevent access until repair is made.



- Reference the parts list on page 2 of the instruction set for this component to identify the part/s correctly.
- Contact your distributor to order parts.



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- INCLUDE DATES AND SIGNATURES

Inspection Checklist		Recommended	Grade	Date	Date Repairs
		Frequency	(Pass/Fail/NA)	Inspected	Completed
Inspect Brackets		Monthly			
Inspect Hardware		Monthly			
Inspect Finish		Monthly			
Inspect Footing		Yearly			
Inspector:	Signature:		Date: _		<del> </del>
		Maintenance Record			
Part	Prob	olem	Corrective Action		Date



- Inspect all four-hole clamps and panel clamps.
- Ensure the setscrews are tight and in place.
- Ensure all Torx Screws are in place and that the bracket is firmly attached to post.
- Inspect the clamps for cracks and sharp edges. Smooth any sharp edges and fix the finish. Replace brackets if cracked.

## Hardware

 Inspect for loose or missing hardware. Tighten all loose hardware and replace all missing hardware. Block off access to equipment if necessary.

# **Plastic Components**

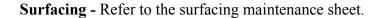
 Inspect for any sharp edges or deformities. Minor deformities and sharp edges can be repaired using a utility knife. Block off access until repairs are made. Contact distributor for replacement parts.

#### Welds

 Inspect all welds for cracks. If a crack is found block access to the playground and contact your distributor for replacement parts immediately.

#### **Finish**

• Inspect all metal components for coating damage. If powder coating needs to be repaired sand surface and mask off area. Coat with primer and once the primer has dried paint with color matching touch up paint. Contact distributor of color matching paint. Contact Distributor for Thermoplastic repair kit.





## **Footings**

 Inspect all footings to ensure equipment is secure. You must block access to prevent access until repair is made.

## **Replacement Parts**

- Reference the parts list on page 2 of the instruction set for this component to identify the part/s correctly.
- Contact your distributor to order parts.



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- INCLUDE DATES AND SIGNATURES

Inspec	ction Checklist	Recommended	Grade	Date	Date Repairs
		Frequency	(Pass/Fail/NA)	Inspected	Completed
Inspect Brackets		Weekly			
Inspect Hardware		Weekly			
Inspect Plastic Components	3	Weekly			
Inspect Finish		Monthly			
Inspect Footing		Yearly			
Inspect Surfacing		Daily			
Inspector:	Signature:	•	Date:		•

Maintenance Record						
Problem	Corrective Action	Date				



- Inspect all four-hole clamps and panel clamps.
- Ensure the setscrews are tight and in place.
- Ensure all Torx Screws are in place and that the bracket is firmly attached to post.
- Inspect the clamps for cracks and sharp edges. Smooth any sharp edges and fix the finish. Replace brackets if cracked.

## Hardware

 Inspect for loose or missing hardware. Tighten all loose hardware and replace all missing hardware. Block off access to equipment if necessary.

# **Plastic Components**

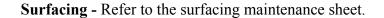
 Inspect for any sharp edges or deformities. Minor deformities and sharp edges can be repaired using a utility knife. Block off access until repairs are made. Contact distributor for replacement parts.

#### Welds

 Inspect all welds for cracks. If a crack is found block access to the playground and contact your distributor for replacement parts immediately.

#### **Finish**

• Inspect all metal components for coating damage. If powder coating needs to be repaired sand surface and mask off area. Coat with primer and once the primer has dried paint with color matching touch up paint. Contact distributor of color matching paint. Contact Distributor for Thermoplastic repair kit.





## **Footings**

 Inspect all footings to ensure equipment is secure. You must block access to prevent access until repair is made.

## **Replacement Parts**

- Reference the parts list on page 2 of the instruction set for this component to identify the part/s correctly.
- Contact your distributor to order parts.



# 922-121-W GUARD WALL WITH WHEEL PANEL EQUIPMENT MAINTENANCE

## **INSPECTION FORM**

- MAKE COPIES OF THIS FORM TO USE FOR INSPECTION
- REVIEW THE "MAINTENANCE GUIDE" IN THE APPENDIX TO BETTER UNDERSTAND THE IMPORTANCE OF MAINTENANCE AND HOW TO DEVELOP A MAINTENANCE SCHEDULE.
- DOCUMENT ALL MAINTENANCE ACTIONS ON THE LIST AS WELL AS ANY NOT LISTED.
- INCLUDE DATES AND SIGNATURES

Inspection Checklist	Recommended Frequency	Grade (Pass/Fail/NA)	Date Inspected	Date Repairs Completed
Inspect Brackets	Weekly			
Inspect Hardware	Weekly			
Inspect Plastic Components	Weekly			
Inspect Finish	Monthly			
Inspect Footing	Yearly			
Inspect Surfacing	Daily			

Maintenance Record						
Part	Problem	Corrective Action	Date			





- Inspect all four-hole clamps and panel clamps.
- Ensure the setscrews are tight and in place.
- Ensure all Torx Screws are in place and that the bracket is firmly attached to post.
- Inspect the clamps for cracks and sharp edges. Smooth any sharp edges and fix the finish. Replace brackets if cracked.

## Hardware

 Inspect for loose or missing hardware. Tighten all loose hardware and replace all missing hardware. Block off access to equipment if necessary.

# **Plastic Components**

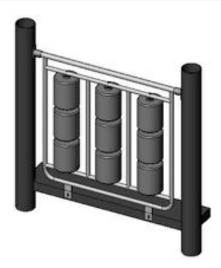
 Inspect for any sharp edges or deformities. Minor deformities and sharp edges can be repaired using a utility knife. Block off access until repairs are made. Contact distributor for replacement parts.

#### Welds

 Inspect all welds for cracks. If a crack is found block access to the playground and contact your distributor for replacement parts immediately.

#### **Finish**

• Inspect all metal components for coating damage. If powder coating needs to be repaired sand surface and mask off area. Coat with primer and once the primer has dried paint with color matching touch up paint. Contact distributor of color matching paint. Contact Distributor for Thermoplastic repair kit.



**Surfacing -** Refer to the surfacing maintenance sheet.

## **Footings**

 Inspect all footings to ensure equipment is secure. You must block access to prevent access until repair is made.

# **Replacement Parts**

- Reference the parts list on page 2 of the instruction set for this component to identify the part/s correctly.
- Contact your distributor to order parts.



- MAKE COPIES OF THIS FORM TO USE FOR INSPECTION
- REVIEW THE "MAINTENANCE GUIDE" IN THE APPENDIX TO BETTER UNDERSTAND THE IMPORTANCE OF MAINTENANCE AND HOW TO DEVELOP A MAINTENANCE SCHEDULE.
- DOCUMENT ALL MAINTENANCE ACTIONS ON THE LIST AS WELL AS ANY NOT LISTED.
- INCLUDE DATES AND SIGNATURES

Inspection Checklist	Recommended Frequency	Grade (Pass/Fail/NA)	Date Inspected	Date Repairs Completed
Inspect Brackets	Weekly	(1 uss/1 ull/1 (11)	Inspecteu	Completed
Inspect Hardware	Weekly			
Inspect Plastic Components	Weekly			
Inspect Finish	Monthly			
Inspect Footing	Yearly			
Inspect Surfacing	Daily			

Maintenance Record						
Problem	Corrective Action	Date				



- Inspect all four-hole clamps and panel clamps.
- Ensure the setscrews are tight and in place.
- Ensure all Torx Screws are in place and that the bracket is firmly attached to post.
- Inspect the clamps for cracks and sharp edges. Smooth any sharp edges and fix the finish. Replace brackets if cracked.

## Hardware

 Inspect for loose or missing hardware. Tighten all loose hardware and replace all missing hardware. Block off access to equipment if necessary.

#### Welds

 Inspect all welds for cracks. If a crack is found block access to the playground and contact your distributor for replacement parts immediately.

#### **Finish**

• Inspect all metal components for coating damage. If powder coating needs to be repaired sand surface and mask off area. Coat with primer and once the primer has dried paint with color matching touch up paint. Contact distributor of color matching paint. Contact Distributor for Thermoplastic repair kit.

**Surfacing** - Refer to the surfacing maintenance sheet.

## **Footings**

 Inspect all footings to ensure equipment is secure. You must block access to prevent access until repair is made.



- Reference the parts list on page 2 of the instruction set for this component to identify the part/s correctly.
- Contact your distributor to order parts.

Date Renairs



## **INSPECTION FORM**

- MAKE COPIES OF THIS FORM TO USE FOR INSPECTION
- REVIEW THE "MAINTENANCE GUIDE" IN THE APPENDIX TO BETTER UNDERSTAND THE IMPORTANCE OF MAINTENANCE AND HOW TO DEVELOP A MAINTENANCE SCHEDULE.

Recommended

Grade

- DOCUMENT ALL MAINTENANCE ACTIONS ON THE LIST AS WELL AS ANY NOT LISTED.
- INCLUDE DATES AND SIGNATURES

**Inspection Checklist** 

Inspection (	C C C	Frequency	(Pass/Fail/NA)	Inspected	Completed
Inspect Brackets		Monthly		•	
Inspect Hardware		Monthly			
Inspect Finish		Monthly			
Inspect Footing		Yearly			
Inspector:	Signature:		Date:		
	Mair	ntenance Record			
Part	Problem		Correct	Date	





# COMPLETED INSPECTION AND MAINTENANCE FORMS