

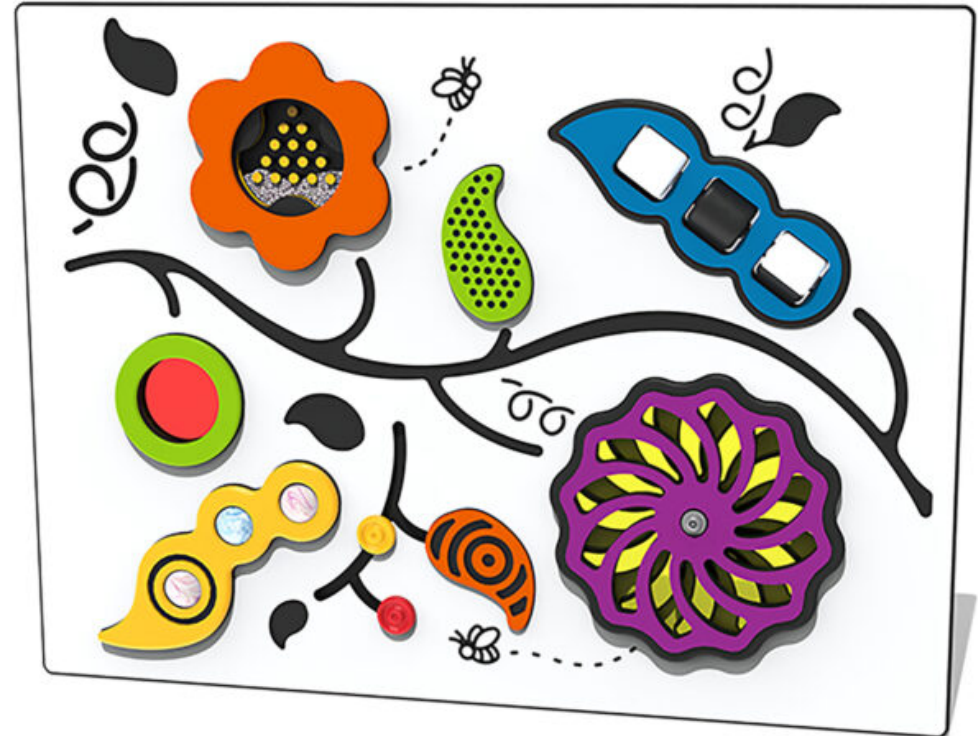
INSTALLATION DETAILS

- Recommended crew (Adult): 2
- Installation time: **1 Hour (2 man hrs)**
- User age: **2-12 Years**
- Use zone: **NA**
- Weight: **111**

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

MAINTENANCE:

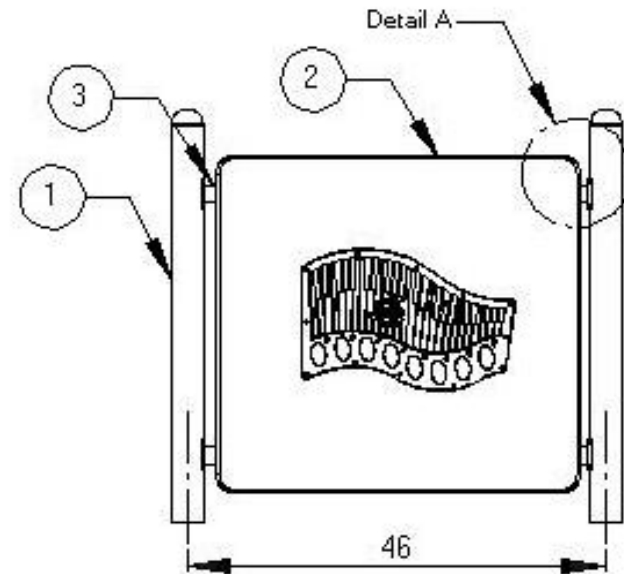
- As the owner of the playground you are responsible for maintenance of the equipment and play area. A maintenance schedule must be developed and the equipment inspected frequently. A maintenance section that includes component specific maintenance requirements is included at the end of this manual.
- 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

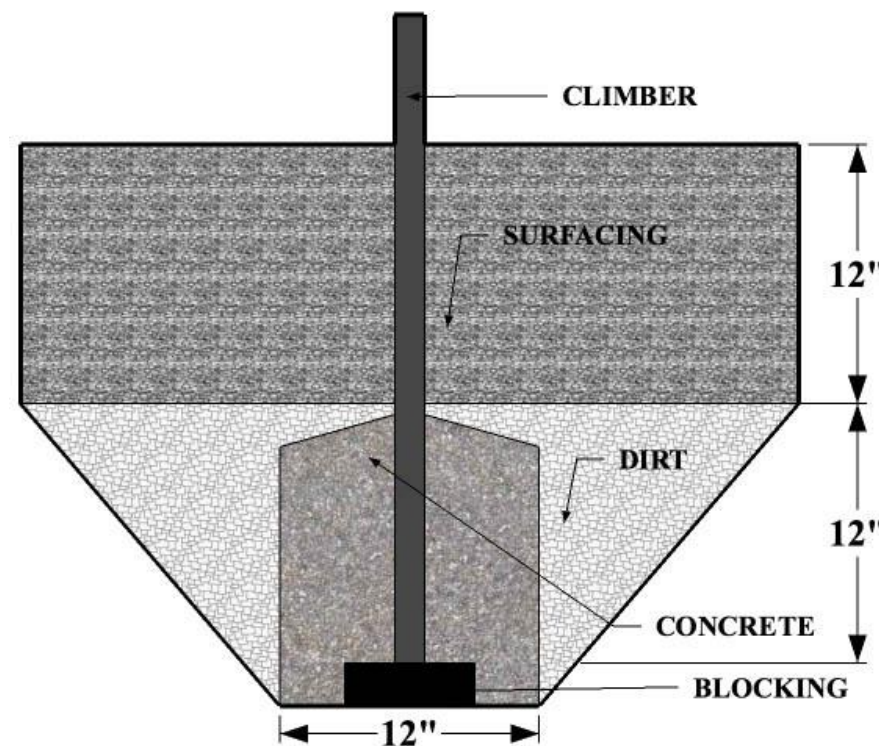
ID	PART #	DESCRIPTION	QTY
1	913-499	3 ½" x 6'2" Post	2
2	905-227	Sensory Panel	1
3	913-417	Panel Attachment Bracket	4
4	905-208	Gasket for Attachment Bracket	4
5	905-526	Self Tapping Screws	16
6	316-501	5/16" Flat Washer	4
7	116-529	5/16"x3/4" Button Head Bolt	4
8	216-512	5/16"x1" Button Head Bolt	4
9	316-601	3/8" Flat Washer	4

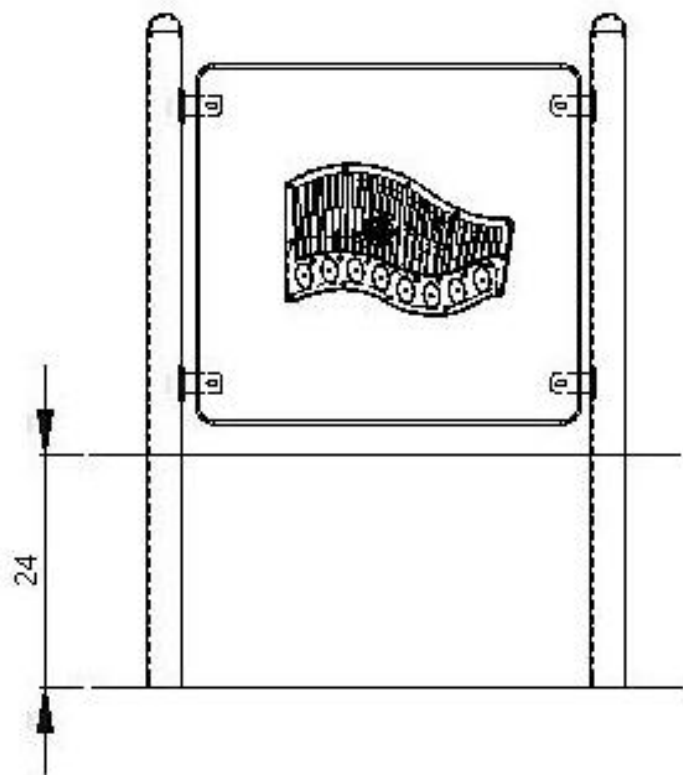
NOTE: Keep a copy of these instructions on file to assist you with maintenance and replacement parts.



FOOTING INFORMATION

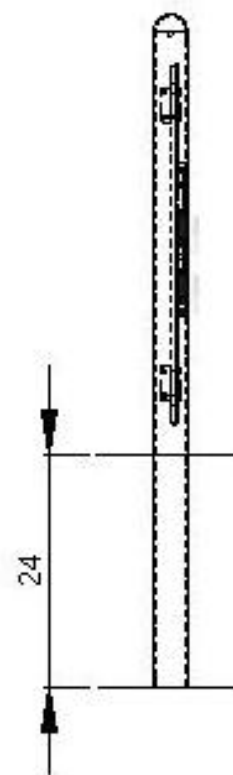
- Total footing depth is 24" less the height of the surfacing plus the height of the blocking material. If you were using 12" of surfacing the footing hole would need to be 12" plus the height of the blocking material (refer to the cutaway view to the right).
- If the Play structure is installed on an 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.





**922-227F SENSORY PANEL
FREESTANDING
ELEVATION VIEW**

922-219F
ELECTRONIC PIANO
FREESTANDING PANEL
ELEVATION VIEW





922-227F SENSORY PANEL FREESTANDING INSTALLATION INSTRUCTION

SPECIFICATIONS

- Panel- 3/4" HDPE UV stabilized plastic
- Hardware – Stainless steel & tamper resistant
- Attachment Bracket – Powder coated steel

SPECIAL SAFETY & ASTM COMPLIANCE NOTES

CRITICAL MEASUREMENT IT IS EXTREMELY IMPORTANT THAT YOU MAINTAIN A MAXIMUM OF 3 1/2" DISTANCE BETWEEN THE TOP, BOTTOM, OR SIDES OF THE PANEL.

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.



922-227F SENSORY PANEL FREESTANDING INSTALLATION INSTRUCTION

BEFORE YOU BEGIN

In addition to the components on the packing list you will need a shovel or posthole digger, cement, level, and drill with a #7 drill bit and a 1/2" drill bit, 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 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 2 of the installation guide, mark and dig the footings as instructed for the Sensory Panel Freestanding (1). (Footing depth is 24" less the amount of surfacing used plus the thickness of the blocking material).

__4) **Placement of panel.** Make sure that the gap between the bottom of the surfacing edge and top of panel is either less than 3 1/2" or more than 9". This will eliminate any possible head and neck entrapments.

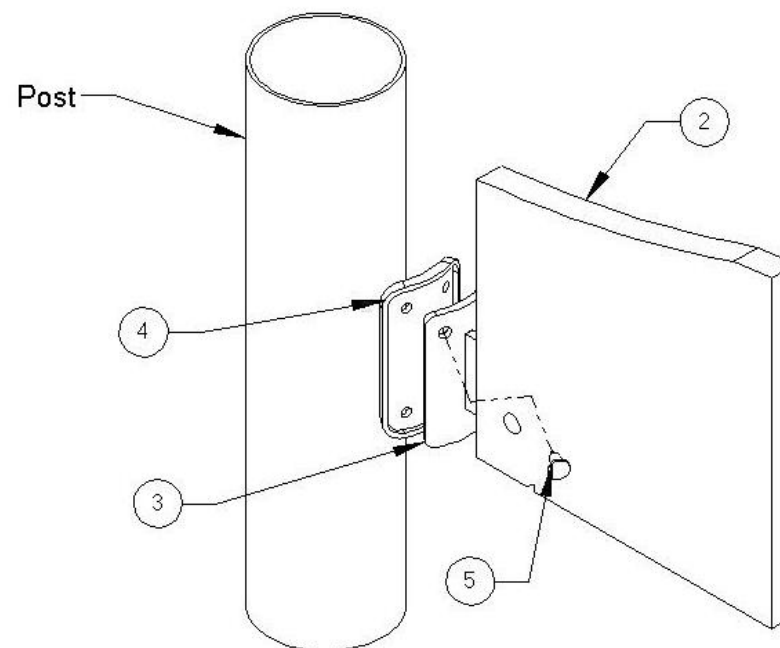
CRITICAL MEASUREMENT IT IS EXTREMELY IMPORTANT THAT YOU MAINTAIN A MAXIMUM OF 3 1/2" DISTANCE BETWEEN THE TOP, BOTTOM, OR SIDES OF THE PANEL AND THE NEAREST POSTS.

INSTALLATION STEPS CONTINUED

___5) **Attach panel attachment brackets** You will need the four panel attachment brackets (3), four attachment bracket gaskets (4), sixteen self tapping screws (5). Determine the proper placement for the panel attachment brackets. You will need to mock up the panel and Attachment Brackets to determine this. Secure the panel attachment brackets to the posts using the self tapping screws with the attachment bracket gasket between the post and the attachment bracket. (SEE DETAIL A) **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.**

___6) **Mark holes:** Once you have all four of the panel attachment brackets installed, locate the panel. With help lift the panel into place and mark the holes in the tab of the panel attachment bracket on the panel. IT IS EXTREMELY 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 POSTS.

___7) **Drill** a 1/2" hole in the panel at the marks made from the panel attachment brackets



DETAIL A

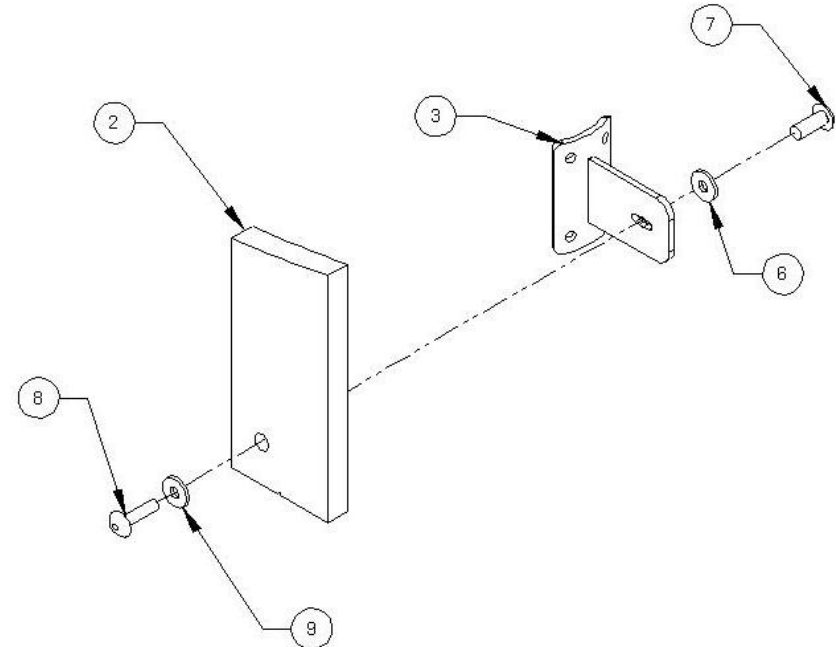
INSTALLATION STEPS CONTINUED

__7) **Install the panel** Locate the four 5/16" flat washers (6), four 5/16" x 3/4" button head bolt (7), four 5/16" x 1" button head nuts (8), four 3/8" flat washers (9) and locktite. Lift the panel up to the panel attachment brackets and secure it with the hardware listed in this step. (SEE DETAIL B) Tighten all hardware.

__8) Once the entire playground has been installed and you have verified that the Sensory Panel Freestanding 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.



DETAIL B