

INSTALLATION GUIDELINES

2010 KIDS CENTER #6 K-06

USER GROUP: 2-5

RECOMMENDED CREW: 2 people

TOOLS REQUIRED:

Tape measure

Level

High- speed 3/8" electric drill *w/clutch*

NOTE: Use of any other driver may result in damage to tool and/or hardware!

*All other needed tools are supplied by the manufacturer

UNIT DIMENSIONS: 20'x22'

UNIT HEIGHT: 10'

USE ZONE: 32'x34'

INSTALLATION TIME: 10 hours



PRE-INSTALLATION CHECK:

Compare all items received to the packing list at the end of this manual. Notify your local sales representative immediately if any parts are missing or damaged.

**We are not responsible for items discovered missing
more than 72 hours from time of delivery!**

Before beginning installation, make sure that you have read and understand the *Installation Introduction* that was supplied to you. If you have a question regarding anything covered in this manual, contact your local sales representative.

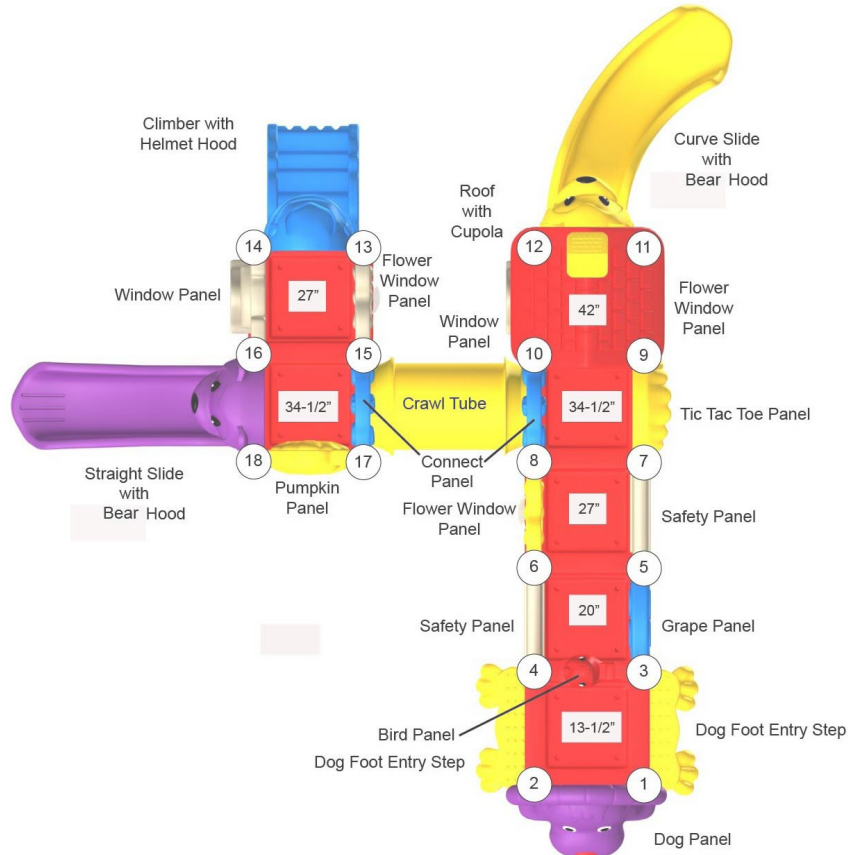
INSTALLATION GUIDELINES

The Kids Center is a modular play system that uses a grid system for the playground layout. It is very important to spend a few minutes before beginning the installation to ensure that items are inventoried and organized properly. **INVENTORY MUST BE TAKEN PER CARTON!** The site must be level for proper installation.

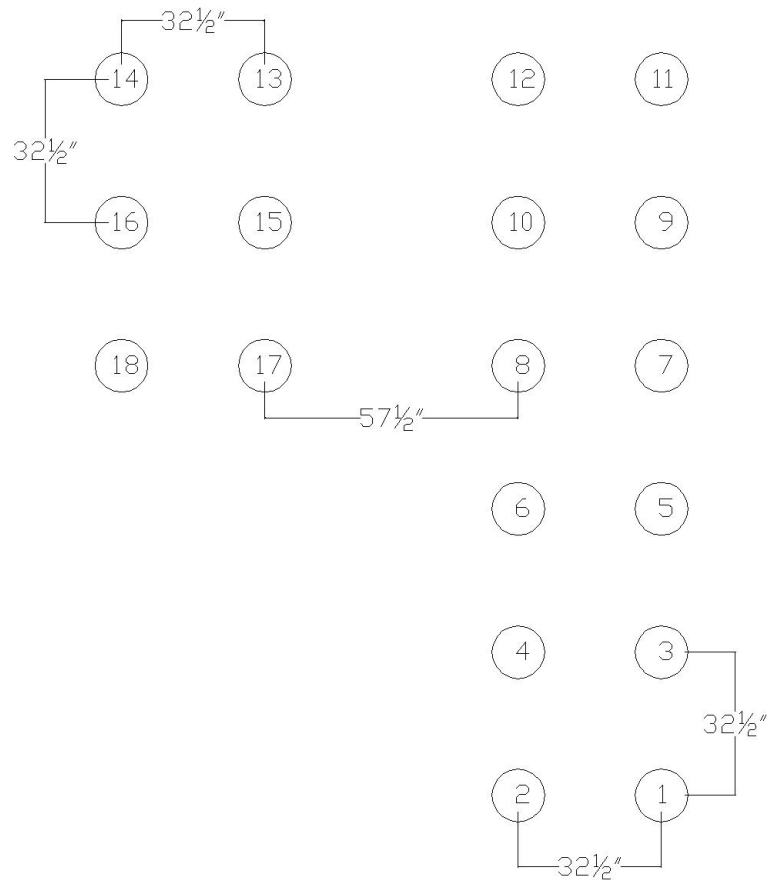
Each post will have a number sticker on it corresponding with that area of the grid. Some grid numbers have an upper level post as well as a lower level post. The lower level posts have “flanges” and the upper level posts do not. The upper level posts will have a number that matches a lower level post. The upper level posts screw into the lower level posts on this structure using a special adapter and tool. There is a post #6 and a post #9. Care must be taken when identifying these pieces to avoid a mix-up. In this structure, the #9 upper and lower posts are both longer than the #6 posts. Also, please note that post and spacer lengths along with the location in the grid are also listed on page 3 of this manual to use as a reference in case any labels have been removed.

The plastic pieces will all have numbers on them that correspond with the grid and post numbers. This will enable you to verify that the correct piece is being installed in the correct location. The square decks are not identical - some have specific hardware already installed for component attachment. When installing the plastic, simply match up the numbered holes on the plastic with the corresponding vertical posts and ensure that the embedded nuts in the decks are oriented correctly.

Determine the placement of the structure and note where the start point is on the layout. The dog foot entry steps on the playground (which will be the first pieces of plastic that are installed) are installed between post #1 and post #3 and between post #2 and post #4.



INSTALLATION GUIDELINES



POST LAYOUT / AND SPACER POST LENGTHS

GRID #	LOWER POST	UPPER POST	SUPPORT SPACER	UPPER SPACER
1	26-3/4"	N/A	N/A	N/A
2	26-3/4"	N/A	N/A	N/A
3	66-3/4"	N/A	N/A	6-5/8" (3)
4	60"	N/A	N/A	6-5/8" (2)
5	33"	20-1/4"	11"	N/A
6	33"	26-3/4"	11"	N/A
7	33"	33-1/2"	17-3/4"	N/A
8	33"	26-3/4"	17-3/4"	N/A
9	39-1/4"	50-1/2"	24-1/2"	24-1/2"
10	39-1/4"	50-1/2"	24-1/2"	24-1/2"
11	39-1/4"	50-1/2"	31"	17-3/4"
12	39-1/4"	50-1/2"	31"	24-1/2"
13	33"	26-3/4"	17-3/4"	N/A
14	33"	20-1/4"	17-3/4"	N/A
15	33"	26-3/4"	17-3/4"	N/A
16	33"	26-3/4"	17-3/4"	N/A
17	33"	33-1/2"	24-1/2"	6-5/8" (1)
18	33"	26-3/4"	24-1/2"	N/A

INSTALLATION GUIDELINES

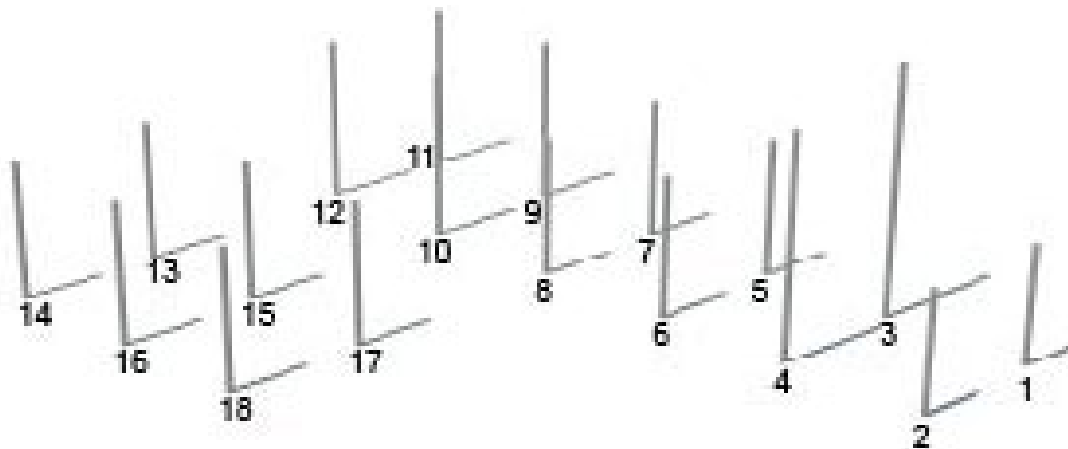
STEP 1

Determine placement and orientation of Kids Center. Conduct a thorough inventory (per carton) and organize parts. Verify the site is level and make any necessary adjustments.

STEP 2

Select lower posts. Arrange posts according to grid below (Detail A). Posts will be 32-1/2" on center except for the grid between the 2/12 row and the 17/13 row. That grid is 57-1/2" wide (see previous page). Each post is labeled with its location in the grid. If you choose to anchor the structure, post #'s 1, 2, 3 and 4 should be anchored at this time. If installed where anchors will not work, a different anchoring method would need to be used (dig footings and pour concrete piers, use landscape spikes to secure structure to ground, etc.). **NOTE:** Make sure posts are spaced properly and that grid is square before anchoring posts. Also please note that ONLY post #'s 1, 2, 3 and 4 should be anchored at this time. The remaining posts can be anchored later. Leave all posts laying flat on the ground until ready for installation to help prevent posts from tipping over and causing injury. Anchors are not supplied by Playland. Contact a local engineer to determine what anchoring hardware is best suited for your situation.

Detail A



GRID #	LOWER POST
1	26-3/4"
2	26-3/4"
3	66-3/4"
4	60"
5	33"
6	33"
7	33"
8	33"
9	39-1/4"
10	39-1/4"
11	39-1/4"
12	39-1/4"
13	33"
14	33"
15	33"
16	33"
17	33"
18	33"

INSTALLATION GUIDELINES

STEP 3

Select two dog feet steps and fourteen post bases. Steps will be marked with a 1, 3 and a 2, 4 to indicate placement. Place the correct step over the corresponding posts 1 and 3 and other step over posts 2 and 4 as shown below in Detail B. Place the post bases (join the 2 halves together with the provided hardware if needed) over the remaining posts.

Detail B



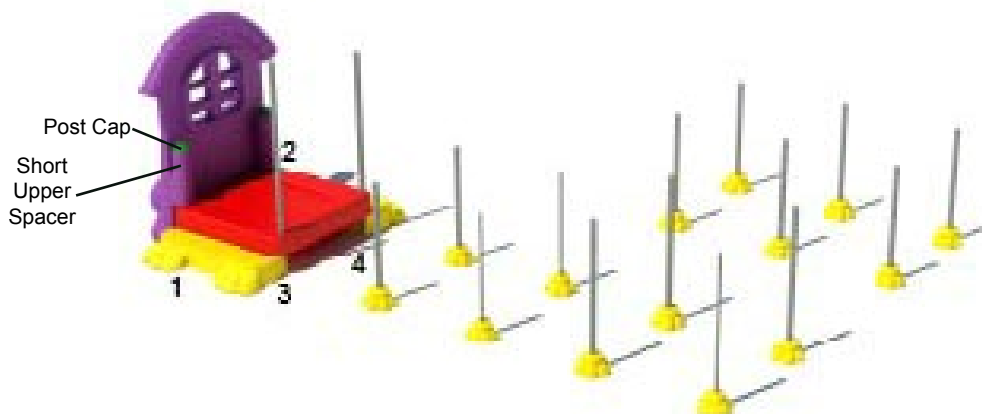
STEP 4

Select dog panel and single deck with 1, 2, 3, 4 marked on the corners. Place deck and dog panel over vertical posts with numbers of both matching up with post numbers (see Detail C).

STEP 5

Select two short (6-5/8") upper spacers, two post gaskets and two post caps. Slide upper spacers over posts 1 and 2 and install post top gaskets and pipe caps (see Detail C and POST TOP GASKET detail).

Detail C

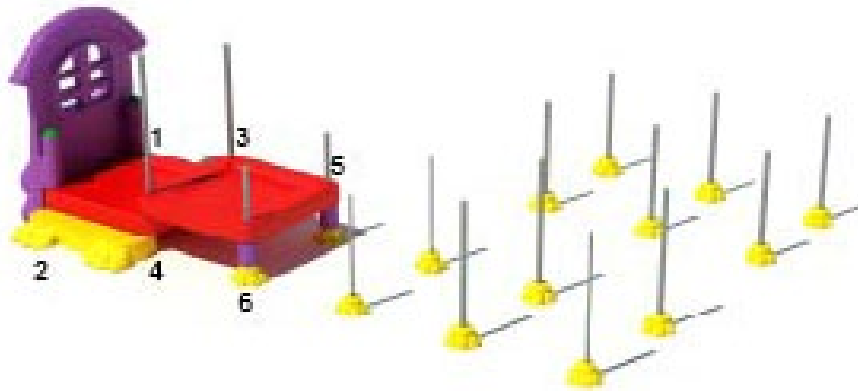


POST TOP GASKET
Slide the gasket down into the plastic before placing the cap on the post.

STEP 6

Select two short (11") lower spacers and deck marked with 3, 4, 5, 6. Slide spacers over posts 5 and 6 with the small ends of the spacers facing down into the post bases. Slide deck over posts 3, 4, 5 and 6, making sure numbers on deck match corresponding posts. See Detail D.

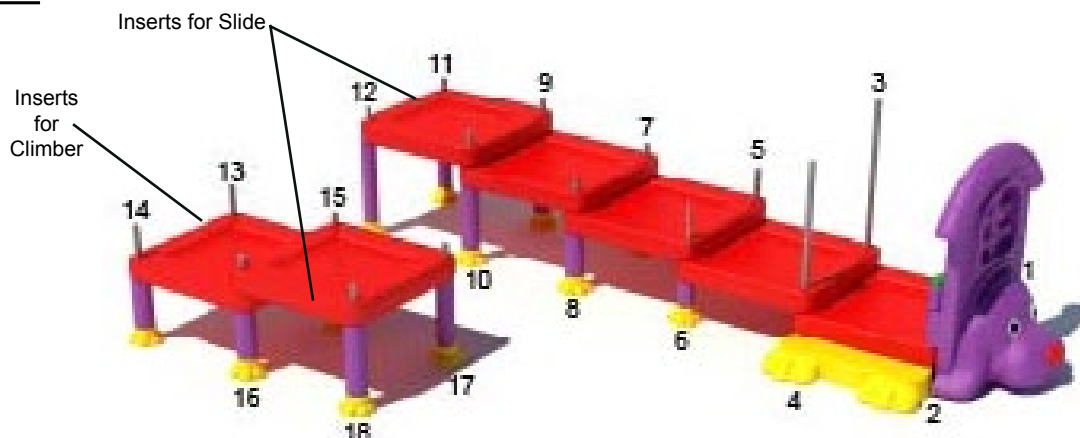
Detail D



STEP 7

Select remaining spacers and decks. Slide spacers over posts as listed on page 4 (17-3/4" spacers on posts 7, 8, 13, 14, 15 and 16; 24-1/2" spacers on posts 9, 10, 17 and 18; 31" spacers on posts 11 and 12). Slide decks over corresponding posts with the numbers on the deck oriented to those of the posts, **ensuring the embedded nuts in the decks are facing outward in grids 11/12, 13/14 and 16/18 allowing the slides and climber to attach.** See Detail E.

Detail E

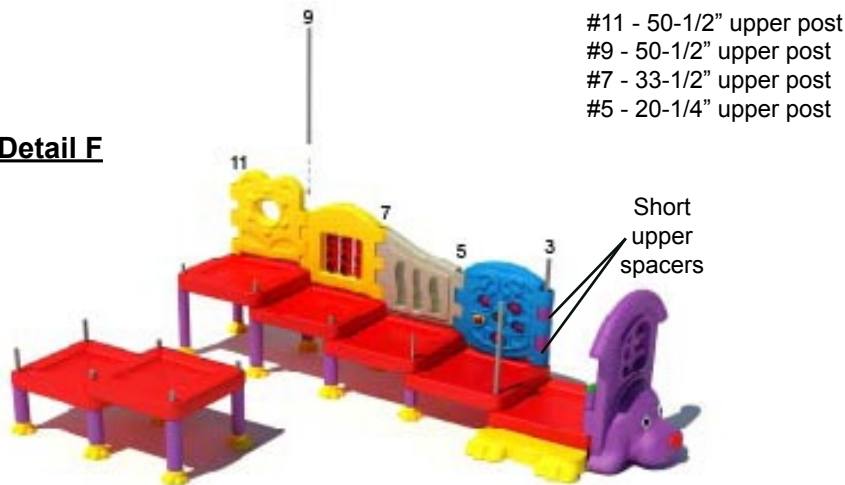


INSTALLATION GUIDELINES

STEP 8

Select grape panel, two short 6-5/8" upper spacers, safety panel, tic tac toe panel, flower panel with window and upper posts (20-1/4" post, 33-1/2" post, and two 50-1/2" posts). Slide grape panel and two short upper spacers down over post 3. Set remaining panels in place and then slide upper posts through panels and tighten into lower posts using adapter and wrench. See Detail F. Post lengths are listed on Page 3 also. **NOTE:** Flower panel will ship with window installed backward for protection during shipment. Must be removed, turned around and reinstalled during installation.

Detail F



UPPER POST, ADAPTER
and WRENCH
Used to secure
upper post to lower post



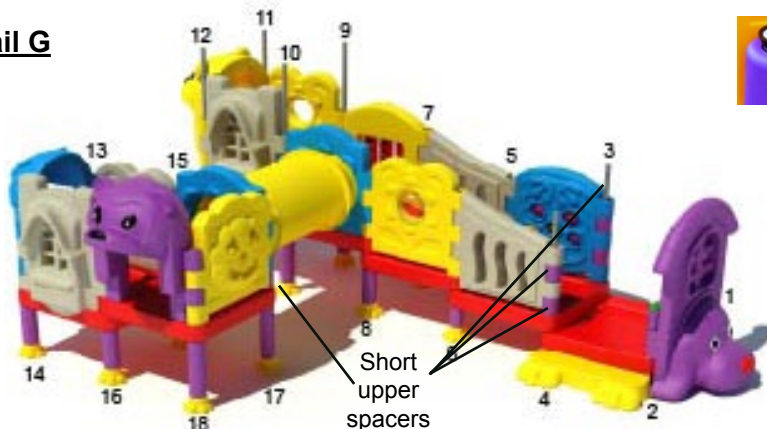
Typical pipe joint
(upper and lower post shown)

STEP 9

Select four short 6-5/8" upper spacers, ten post caps and ten gaskets, remaining panels, crawl tunnel, crawl tunnel hardware (eighteen of each 9.5mm x 28.6mm bolts, 9.5mm nuts, white caps - 2 pc) and upper posts (six 26-3/4" posts, one 33-1/2" post, one 20-1/4" post, two 50-1/2" posts). Slide safety panel and two short 6-3/4" upper spacers down over post 4. Slide one more short upper spacer over the top of post 3 and another short spacer on top of the deck at post 17. Set crawl tunnel and remaining panels in place, making sure the numbers on the panels match the corresponding locations in the grid.

NOTE: Crawl tunnel must be set in place before both connect panels are secured. Secure crawl tunnel to connector panels by inserting bolt through washer, plastic, base, washer and tighten into nut. Gently tighten until all sets are installed. Then tighten all. Cover with cap. Then slide the upper posts down through the panels and tighten into lower posts using adapter and wrench. See Detail G. **NOTE:** Flower panel will ship with window installed backward for protection during shipment. Must be removed, turned around and reinstalled during installation. Post lengths are listed on Page 3 also. Install post top gaskets and post caps on all posts except 3, 4, 9, 10, 11 and 12.

Detail G



POST TOP GASKET
Slide the gasket down into the plastic
before placing the cap on the post.

- #18 - 26-3/4" upper post
- #17 - 33-1/2" upper post
- #16 - 26-3/4" upper post
- #15 - 26-3/4" upper post
- #14 - 20-1/4" upper post
- #13 - 26-3/4" upper post
- #12 - 50-1/2" upper post
- #10 - 50-1/2" upper post
- #8 - 26-3/4" upper post
- #6 - 26-3/4" upper post

INSTALLATION GUIDELINES

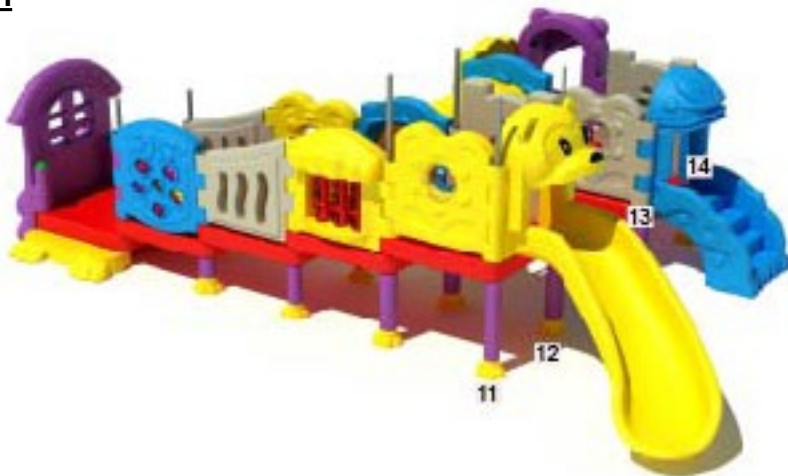
STEP 10

Select curve slide marked with 11/12, mid support and slide mounting hardware. **NOTE:** Slide will ship with feet attached. Attach mid support using two short 10 mm bolts and two large 25 mm washers. Attach slide by inserting two hex head 9 cm bolts with washers through slide and screw into the embedded nuts in the decks. Gently tighten until both bolts are started. Then tighten both. See Detail H.

STEP 11

Select climber marked with 13/14 and mounting hardware. Attach climber by inserting two hex head 9 cm bolts with washers through slide and screw into the embedded nuts in the deck. Gently tighten until both bolts are started. Then tighten both. See Detail H.

Detail H



MID SUPPORT

Will bolt to the bottom middle of the curved slide. Use bolt on the support to adjust the height.

STEP 12

Select straight slide marked with 15/16 and slide mounting hardware. **NOTE:** Slide will ship with feet attached. Attach slide by inserting two hex head 9 cm bolts with washers through slide and screw into the embedded nuts in the deck. Gently tighten until both bolts are started. Then tighten both. See Detail I.

Detail I



INSTALLATION GUIDELINES

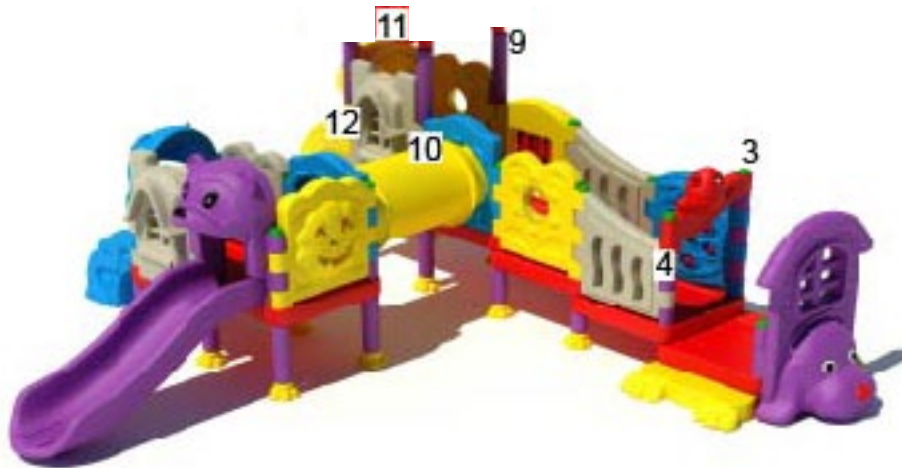
STEP 13

Select bird panel marked with 3, 4. Slide panel over corresponding posts. Put post top gasket and post cap on posts 3 and 4. See Detail J.

STEP 14

Select one 17-3/4" upper spacer and three 24-1/2" upper spacers. Slide 17-3/4" spacer over post 11. Slide 24-1/2" spacers over posts 9, 10 and 12. See Detail J.

Detail J



STEP 15

It is necessary to assemble the roof before putting it in place on posts 9, 10, 11 and 12. The two roof panels are slightly different at the top, but the two roof trusses are identical (see images below). The trusses should arrive with the roof attachment hardware installed on the plastic studs that are part of the truss. To assemble the roof, remove the hardware and slide the plastic studs of the trusses into the holes on the underside of the roof panels. Then join the roof panels together at the top. Tighten the roof hardware using the plastic screwdriver provided.



Outside of roof panel



Inside of roof panel



Roof Truss (Qty. 2)

STEP 16

Select cupola, roof assembly and mounting hardware. Set the cupola in the recess at the roof peak provided for it. Secure cupola to roof by inserting bolts through washers, cupola and tighten into the embedded nuts in the roof (see Detail K). Gently tighten until all four sets are installed. Then tighten all.

Detail K

Cupola on roof



Attachment hardware
(4 sets)








STEP 17

Set roof in place on posts 9, 10, 11 and 12. Roof will press into place on posts. No attachment hardware is needed. See Detail L.











Detail L**STEP 18**

Determine where structure will be anchored and remove foot base at desired post(s). Anchor structure using your choice of anchors (per the recommendation of a local engineer) then replace foot base. See Detail L.

INSTALLATION GUIDELINES

KC6 Packing List					
Carton 1: 188*94*71cm, 22pcs	Pic	Description	Color	Qty	Remark
		Square platform K200902011	Red	4	
		Grape Panel K200902253	Blue	1	
		Flower window panel K200900902 K200900931	Grey Yellow	3	Flower window panel will ship with window installed backward. Must be removed, flipped and reinstalled.
Carton 1 and Carton 2		Pipe Lower Posts			2 @ 26-3/4" - K2009526XX 1 @ 66-3/4" - K2009567XX 1 @ 60" - K2009560XX 10 @ 33" - K2009533XX 4 @ 39-1/4" - K2009539XX
Carton 1 and Carton 2		Pipe Upper Posts			2 @ 20-1/4" - K2009620XX 6 @ 26-3/4" - K2229626XX 2 @ 33-1/2" - K2009633XX 4 @ 50-1/2" - K2009650XX
Carton 2: 188*94*71cm, 42pcs					
		Pumpkin panel K200902731	Yellow	1	
		Square Platform K200902011	Red	3	
		Half Foot base K200901331	Yellow	18	
		Connect panel K200902853	Blue	2	

INSTALLATION GUIDELINES

Carton 3: 140*110*96cm, 35pcs					
		Cottage Window Panel K200901002	Grey	2	
		Bear Hood Panel K200901531 K200901561	Yellow Purple	2	
		Roof Panel 2 K200992111 Roof Panel 1 K200902111 Roof truss K200912111 Roof nuts 200922111	Red	1	Two roof panels Two roof trusses 4 roof nuts (installed on each truss)
		Bird Arch K200900111	Red	1	
		Numbers/TTT Panel K200901931	Yellow/ Red	1	
Carton 4: 130*93*94cm, 29pcs					
		Stair Entrance Hood K200900253	Blue	1	
		Upper spacers	Green	10	6 @ 17cm (6-5/8") K200903461 1 @ 45cm (17-3/4") K200903561 3 @ 62 cm (24-1/2") K200903661
		Deck support spacers (lower)	Green	14	2 @ 28cm (11") K200903061 6 @ 45cm (17-3/4") K200903161 4 @ 62cm(24-1/2") K200903261 2 @ 79cm (31") K200903361
		Safety panel K200900802	Grey	2	
		Dog Feet K200901231	Yellow	2	

INSTALLATION GUIDELINES

Items Packaged Individually

1		Dog Panel K200901661	Purple	1	
2		Climber K200900553	Blue	1	
3		Straight Slide K200900661	Purple	1	
4		Curved Slide K200902331	Yellow	1	
5		Crawl Tunnel K200902431	Yellow	1	

Hardware Items - Packaged inside multiple cartons

- 18 9.5mm x 28.6mm bolts (K2009118XX)
- 36 9.5mm washers (K2009119XX)
- 18 9.5mm nuts (K2009120XX)
- 18 white caps - 2 pc (K2009109XX)
- 6 hex head 9cm (3.5") bolts (K2009100XX)
- 14 Green post caps (K200901141)
- 42 Large washers (K2009101XX)
- 14 Black Post top gaskets (K2009102XX)
- 4 Allen head bolts for cupola (K2009107XX)
- 4 each 22mm flat washer (K2009114XX)
- 28 each 10mm x 50mm bolts (K2009110XX)
- 28 each 17mm nuts (K2009117XX)
- 1 Roof tightening tool (K2009108XX)
- 1 Lug wrench 17mm (K2009103XX)
- 3 Allen wrenches (4mm-K2009104XX - 5mm-K2009105XX & 6mm-K2009106XX)
- 1 Top post tightening adapter (K2009111XX)
- 1 curved slide mid support (K2009736XX)

You may have more hardware than is listed above,
but you must have at least what is listed to assemble your playground.

**ITEMS ARE PICTURED ON THE FOLLOWING PAGES
TO ASSIST WITH IDENTIFICATION PURPOSES**

INSTALLATION GUIDELINES

Hardware Items - Packaged inside multiple cartons
INVENTORY LIST GIVEN ON PREVIOUS PAGE



9.5 mm x 28.5 mm bolts (K2009118XX)
with washers (K2009119XX)
and nuts (K2009120XX)
and caps - 2pc. (K2009109XX)
Used to attach crawl tunnel



Hex head 9cm (3.5") bolts (K2009100XX)
with large-25mm-washers

Used on slides and stair attachment



Green post caps (K200901141)

For each post without roof



Post top gaskets (K2009102XX)

Installed under each post cap



Allen head bolts (K2009107XX)
22mm flat washer (K2009114XX)

To attach cupola



Lug wrench 17mm (K2009103XX)
Allen wrenches:
4mm-K2009104XX
5mm-K2009105XX
6mm-K2009106XX

Top post tightening adapter (K2009111XX)



10mm x 50mm bolts (K2009110XX)
18 17mm nuts (K2009117XX)

2 sets needed for each foot base



Roof tightening tool (K2009108XX)
Shown with roof nuts
(holds roof panels to truss)

Tool is a plastic screw driver



Small 6 mm bolt & matching washers provided as
spares/extras for the Flower panel windows

FINAL NOTES:

Parts are listed by carton.

Inventory needs to be conducted by carton.

This model Kid's Center is packed per the above list.

Some parts are in more than one carton (posts & decks).

It is necessary to complete the entire inventory before any shortage can be addressed!

The window on the flower window panel is shipped wrong side out for protection during shipping. It is necessary to use the 4 mm allen wrench to remove and reattach the window so it is facing the right way.

There is a protective film on the flat window that needs to be removed after installation.

It is also necessary to secure the slides, steps and at least a few of the posts to the surface. You would not want your playground damaged if the end of a slide or stair were to be picked up by a user. Wedge anchors or another anchor can be used for this (based on the recommendation of a local engineer).

We do not supply anchors as the type that is required by local codes varies from place to place.

Safety surfacing will need to be installed as required by various safety guidelines.

The height of the highest designed play surface on this structure is 42".