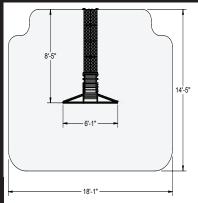
ADVENTURE TUNNEL – A25230

INSTALLATION AND OPERATING INSTRUCTIONS



WARNING To reduce the risk of serious injury or death, you must read and follow these instructions. Keep and refer to these instructions often and give them to any future owner of this play set.

Manufacturer contact information provided below.

OBSTACLE FREE SAFETY ZONE -18' 1" x 14'5" (5.51 x 4.39 m) area requires Protective Surfacing. See page 3. MAXIMUM VERTICAL FALL HEIGHT - 6' 7" (2.01 m)

CAPACITY - 3 Users Maximum, Ages 3 to 10; Weight Limit 110 lbs. (49.9 kg) per child.

RESIDENTIAL HOME USE ONLY. Not intended for public areas such as multi-unit residences, schools, churches, nurseries, day cares or parks.





Rev 02/06/2017 9405230

Cedar Summit

c/o ©Solowave Design 375 Sligo Rd. West, PO Box 10 Mount Forest, ON Canada N0G 2L0

General Inquiries:

Regular Hours: 8:00am - 5:00pm EST Peak Season (April - August): 8:00am - 7:00pm EST (Mon - Fri) 8:00am - 4:00pm EST (Sat & Sun)

Toll Free: 1-877-817-5682

Email: support@cedarsummitplay.com

Web Form/Line Chat: www.cedarsummitplay.com/contact-us

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Installation of I.D./Warning PlaqueFinal Step

ALTERNATE CONFIGURATIONS USING

BROCKWELL/PRESTON/TWIN MOUNTAIN LODGE

F24825 - LANGDON RETREAT



MAX USERS: 14

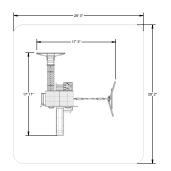
FOLLOW INSTRUCTIONS FOR BROCKWELL: REQUIRED:

A24815 - 53" Add on A

A24816 - 53" Add on B A24817 - 53" Add on C A24819 - 53" Add on E

A24820 - 53" Add on F

A25230 - Adventure Tunnel



Set-Up Dimensions: 17' 3" x 17' 11"

Safety Zone:

29' 2" x 29' 3"

F24826 - HUNTINGTON RESORT



MAX USERS: 14

FOLLOW INSTRUCTIONS FOR BROCKWELL: REQUIRED:

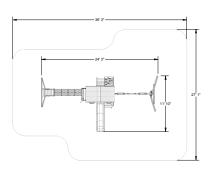
A24815 - 53" Add on A A24816 - 53" Add on B

A24817 - 53" Add on C

A24819 - 53" Add on E

A24820 - 53" Add on F

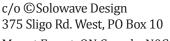
A25230 - Adventure Tunnel



Set-Up Dimensions: 11' 10" x 24' 3"

Safety Zone: 27' 1" x 36' 3"

Cedar Summit



Mount Forest, ON Canada NOG 2L0

General Inquiries:

Regular Hours: 8:00am - 5:00pm EST Peak Season (April - August):

8:00am - 7:00pm EST (Mon - Fri) 8:00am - 4:00pm EST (Sat & Sun) Toll Free: 1-877-817-5682

Email: support@cedarsummitplay.com

Web Form/Line Chat: www.cedarsummitplay.com/contact-us



ALTERNATE CONFIGURATIONS USING

BROCKWELL/PRESTON/TWIN MOUNTAIN LODGE

F24827 - CEDAR GROVE MANOR

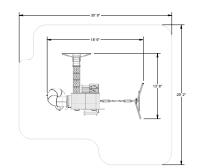


MAX USERS: 14

FOLLOW INSTRUCTIONS FOR PRESTON: REQUIRED:

A24815 - 53" Add on A A24816 - 53" Add on B A24817 - 53" Add on C A24818 - 53" Add on D A24821 - 53" Add on G

A25230 - Adventure Tunnel



Set-Up Dimensions: 13' 8" x 18' 9"

Safety Zone: 29' 2" x 30' 9"

F24828 -ORCHARD VIEW MANOR

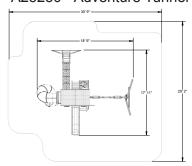


MAX USERS: 15

FOLLOW INSTRUCTIONS FOR TWIN MOUNTAIN LODGE:

REQUIRED:

A24815 - 53" Add on A A24816 - 53" Add on B A24817 - 53" Add on C A24818 - 53" Add on D A24819 - 53" Add on E A25230 - Adventure Tunnel



Set-Up Dimensions: 17' 11" x 18' 9"

Safety Zone: 29' 2" x 30' 9"



c/o ©Solowave Design 375 Sligo Rd. West, PO Box 10

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Warnings and Safe Play Instructions



CONTINUOUS ADULT SUPERVISION REQUIRED. Most serious injuries and deaths on playground equipment have occurred while children were unsupervised! Our products are designed to meet mandatory and voluntary safety standards. Complying with all warnings and recommendations in these instructions will reduce the risk of serious or fatal injury to children using this play system. Go over the warnings and safe play instructions regularly with your children and make certain that they understand and follow them. Remember on-site adult supervision is required for children of all ages.



WARNING

SERIOUS HEAD INJURY HAZARD

Installation over concrete, asphalt, dirt, grass, carpet and other hard surface creates a risk of serious injury or death from falls to the ground. Install and maintain shock absorbing material under and around play-set as recommended on page 3 of these instructions.

COLLISION HAZARD

Place play-set on level ground at least 6 feet from any obstruction such as a garage or house, fences, poles, trees, sidewalks, walls, landscape timbers, rocks, pavement, planters, garden borders, overhanging branches, laundry lines, and electrical wires. (See OBSTACLE FREE SAFETY ZONE on cover)

CHOKING HAZARD/SHARP EDGES & POINTS

Adult assembly required. This product contains small parts and parts with sharp edges and points. Keep parts away from children until fully assembled.

WARNING LABEL

Owners shall be responsible for maintaining the legibility of the warning labels.

STRANGULATION HAZARD

- NEVER allow children to play with ropes, clotheslines, pet leashes, cables, chains or cord-like items when using this play-set or to attach these items to play-set.
- NEVER allow children to wear loose fitting clothing, ponchos, hoods, scarves, capes, necklaces, items with draw-strings, cords or ties when using this play-set.
- NEVER allow children to wear bike or sport helmets when using this play-set.

Failure to prohibit these items, even helmets with chin straps, increases the risk of serious injury and death to children from entanglement and strangulation.

TIP OVER HAZARD

Choose a level location for the equipment. This can reduce the likelihood of the play set tipping over and loose-fill surfacing materials washing away during heavy rains.

DO NOT allow children to play on the play-set until the assembly is complete and the unit is properly anchored.



WARNING – Safe Play Instructions

- Observe capacity limitations of your play-set. See front cover.
- Dress children with well fitting and full foot enclosing footwear.
- Teach children to sit with their full weight in the center of the swing seat to prevent erratic swing motion or falling off.
- Check for splintered, broken or cracked wood; missing, loose, or sharp edged hardware. Replace, tighten and or sand smooth as required prior to playing.
- ✓ Verify that suspended climbing ropes, rope ladders, chain or cable are secured at both ends and cannot be looped back on itself as to create an entanglement hazard.
- On sunny and or hot days, check the slide and other plastic rides to assure that they are not very hot as to cause burns. Cool hot slide and rides with water and wipe dry prior to using.

- Do not allow children to wear open toe or heel footwear like sandals, flip-flops or clogs.
- Do not allow children to walk, in front, between, behind or close to moving rides.
- Do not let children twist swing chains or ropes or loop them over the top support bar. This may reduce the strength of the chain or rope and cause premature failure.
- Do not let children get off rides while they are in motion.
- Do not permit climbing on equipment when it is wet.
- Do not permit rough play or use of equipment in a manner for which it was not intended. Standing on or jumping from the roof, elevated platforms, swings, climbers, ladders or slide can be dangerous.
- > Do not allow children to swing empty rides or seats.
- Do not allow children to go down slide head first or run up slide.

Λ_1

Protective Surfacing - Reducing Risk of Serious Head Injury From Falls

One of the most important things you can do to reduce the likelihood of serious head injuries is to install shock-absorbing protective surfacing under and around your play equipment. The protective surfacing should be applied to a depth that is suitable for the equipment height in accordance with ASTM F1292. There are different types of surfacing to choose from; whichever product you select, follow these guidelines:

Loose-Fill Materials

- Maintain a minimum depth of 9 inches of loose-fill materials such as wood mulch/chips, engineered wood fiber (EWF), or shredded/recycled rubber mulch for equipment up to 8 feet high; and 9 inches of sand or pea gravel for equipment up to 5 feet high. NOTE: An initial fill level of 12 inches will compress to about a 9-inch depth of surfacing over time. The surfacing will also compact, displace, and settle, and should be periodically raked and refilled to maintain at least a 9-inch depth.
- Use a minimum of 6 inches of protective surfacing for play equipment less than 4 feet in height. If maintained properly, this should be adequate. (At depths less than 6 inches, the protective material is too easily displaced or compacted.)

NOTE: Do not install home playground equipment over concrete, asphalt, or any other hard surface. A fall onto a hard surface can result in serious injury to the equipment user. Grass and dirt are not considered protective surfacing because wear and environmental factors can reduce their shock absorbing effectiveness. Carpeting and thin mats are not adequate protective surfacing. Ground level equipment -- such as a sandbox, activity wall, playhouse or other equipment that has no elevated play surface -- does not need any protective surfacing.

- Use containment, such as digging out around the perimeter and/or lining the perimeter with landscape edging. Don't forget to account for water drainage.
- Periodically rake, check and maintain the depth of the loose-fill surfacing material. Marking the correct depth on the play equipment support posts will help you to see when the material has settled and needs to be raked and or replenished. Be sure to rake and evenly redistribute the surfacing in heavily used areas.
- Do not install loose fill surfacing over hard surfaces such as concrete or asphalt.

Poured-In-Place Surfaces or Pre-Manufactured Rubber Tiles

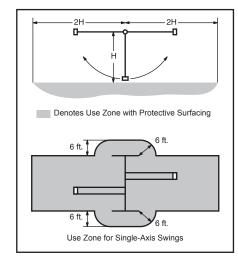
You may be interested in using surfacing other than loose-fill materials - like rubber tiles or poured-in-place surfaces.

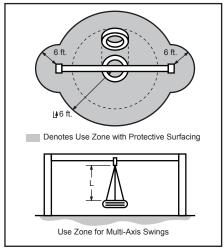
- Installations of these surfaces generally require a professional and are not "do-it yourself" projects.
- Review surface specifications before purchasing this type of surfacing. Ask the installer/manufacturer for a report showing that the product has been tested to the following safety standard: ASTM F1292 Standard Specification for Impact Attenuation of Surfacing Materials within the Use Zone of Playground Equipment. This report should show the specific height for which the surface is intended to protect against serious head injury. This height should be equal to or greater than the fall height vertical distance between a designated play surface (elevated surface for standing, sitting, or climbing) and the protective surfacing below of your play equipment.
- Check the protective surfacing frequently for wear.

Placement

Proper placement and maintenance of protective surfacing is essential. Refer to diagram on front cover. Be sure to;

- Extend surfacing at least 6 feet from the equipment in all directions.
- For to-fro swings, extend protective surfacing in front of and behind the swing to a distance equal to twice the height of the top bar from which the swing is suspended.
- For tire swings, extend surfacing in a circle whose radius is equal to the height of the suspending chain or rope, plus 6 feet in all directions.





From the CPSC Outdoor Home Playground Safety Handbook. At http://www.playgroundregs.com/resources/CPSC%20324.pdf

Instructions for Proper Maintenance

Your Cedar Summit Play System is designed and constructed of quality materials with your child's safety in mind. As with all outdoor products used by children, it will weather and wear. To maximize the enjoyment, safety and life of your Play Set, it is important that you, the owner, properly maintain it.

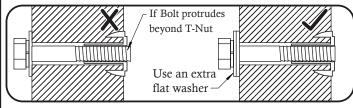
Check the following at the beginning of the play season:

HARDWARE:

- ✓ Check metal parts for rust. If found, sand and repaint using a non-lead paint complying with 16 CFR 1303.
- ✓ Inspect and tighten all hardware. On wood assemblies DO NOT OVER-TIGHTEN as to cause crushing and splintering of wood.



✓ Check for sharp edges or protruding screw threads, add washers if required.



SHOCK ABSORBING SURFACING:

✓ Check for foreign objects. Rake and check depth of loose fill protective surfacing materials to prevent compaction and maintain appropriate depth. Replace as necessary. (See Protective Surfacing, page 3)

GROUND STAKES (ANCHORS):

✓ Check for looseness, damage or deterioration. Should firmly anchor unit to ground during use. Re-secure and or replace, if necessary.

SWING HANGERS:

- ✓ Check that bolts are secure and tight. Quick clips should be completely closed and threaded clips screwed tight.
- ✓ If squeaking occurs lubricate bushings with oil or WD-40®. SWINGS. ROPES AND RIDES:
- ✓ Reinstall if removed during cold season. Check all moving parts including swing seats, ropes, chains and attachments for wear, rust and other deterioration. Replace as needed.
- ✓ Check that ropes are tight, secure at both ends and cannot loop back as to create an entrapment.

WOOD PARTS:

- ✓ Check all wood members for deterioration, structural damage and splintering. Sand down splinters and replace deteriorated wood members. As with all wood, some checking and small cracks in grain is normal.
- ✓ Applying a water repellent or stain (water-based) on a yearly basis is important maintenance to maintain maximum life and performance of the product.

Check twice a month during play season:

HARDWARE:

- ✓ Inspect for tightness. Must be firmly against, but not crushing the wood. DO NOT OVER-TIGHTEN. This will cause splintering of wood.
- ✓ Check for sharp edges or protruding screw threads. Add washers if required.

SHOCK ABSORBING SURFACING:

✓ Rake and check depth of loose fill protective surfacing materials to prevent compaction and maintain appropriate depth. Replace as necessary. (See Protective Surfacing, page 3)

Check once a month during play season:

SWING HANGERS:

- ✓ Check that they are secure and orientated correctly. Hook should rotate freely and perpendicular to support beam.
- ✓ If squeaking occurs lubricate bushings with oil or WD-40®.

SWINGS AND RIDES:

✓ Check swing seats, all ropes, chains and attachments for fraying, wear, excessive corrosion or damage. Replace if structurally damaged or deteriorated.

Check at the end of the play season:

SWINGS AND RIDES:

✓ To prolong their life, remove swings and store inside when outside temperature is below 32°F/0°C. Below freezing, plastic parts may become more brittle.

SHOCK ABSORBING SURFACING:

✓ Rake and check depth of loose fill protective surfacing materials to prevent compaction and maintain appropriate depth. Replace as necessary. (See Protective Surfacing, page 3)

If you dispose of your play set: Please disassemble and dispose of your unit so that it does not create any unreasonable hazards at the time it is discarded. Be sure to follow your local waste ordinances.

About Our Wood

Cedar Summit Premium Play Systems uses only premium playset lumber, ensuring the safest product for your children's use. Although we take great care in selecting the best quality lumber available, wood is still a product of nature and susceptible to weathering which can change the appearance of your set.

What causes weathering? Does it affect the strength of my Play System?

One of the main reasons for weathering is the effects of water (moisture); the moisture content of the wood at the surface is different than the interior of the wood. As the climate changes, moisture moves in or out of the wood, causing tension which can result in checking and or warping. You can expect the following due to weathering. These changes will not affect the strength of the product:

- 1. **Checking** is surface cracks in the wood along the grain. A post (4" x 4") will experience more checking than a board (1" x 4") because the surface and interior moisture content will vary more widely than in thinner wood.
- 2. **Warping** results from any distortion (twisting, cupping) from the original plane of the board and often happens from rapid wetting and drying of the wood.
- 3. Fading happens as a natural change in the wood color as it is exposed to sun-light and will turn a grey over time.

How can I reduce the amount of weathering to my Play System?

At the factory we have coated the wood with a water repellent or stain. This coating decreases the amount of water absorption during rain or snow thus decreasing the tension in the wood. Sunlight will break down the coating, applying a water repellant or stain on a yearly basis is important maintenance. (see your local stain and paint supplier for a recommended product)

Most weathering is just the normal result of nature and will not affect safe play and enjoyment for your child. However if you are concerned that a part has experienced a severe weathering problem please call our consumer relations department for further assistance.

Complete and mail registration card to receive important product notifications and assure prompt warranty service.

5 Year Limited Warranty

Solowave Design warrants that this product is free from defect in materials and workmanship for a period of one year from the original date of purchase. In addition, lumber is warranted for 5 years against structural failure due to rot and insect damage. All other parts, such as hardware, swings, rides, accessories, and slides carry a one-year warranty only.

This warranty applies to the original owner and registrant and is non-transferable.

Regular maintenance is required to assure the integrity of your Play System. Failure by the owner to maintain the product according to the maintenance requirements may void this warranty. This warranty does not cover any inspection cost.

This Limited Warranty does not cover:

- Labor for replacement of any defective item(s);
- Incidental or consequential damages;
- Cosmetic defects which do not affect performance or integrity;
- Vandalism; improper use or installation; acts of nature;
- Minor twisting, warping, checking, or any other natural occurring properties of wood that do not affect performance or integrity.

Solowave Design products have been designed for safety and quality. Any modifications made to the original product could damage the structural integrity of the unit leading to failure and possible injury. Solowave Design Inc. cannot assume any responsibility for modified products. Furthermore, modification voids any and all warranties.

This product is warranted for **RESIDENTIAL USE ONLY**. Under no circumstance should a Solowave Design Play System be used in public settings such as schools, churches, playgrounds, parks, day cares and the like. Such use may lead to product failure and potential injury. Any and all public use will void this warranty.

Solowave Design disclaims all other representations and warranties of any kind, express or implied.

This Warranty gives you specific legal rights. You may have other rights as well which vary from state to state or province to province. This warranty excludes all consequential damages, however, some states do not allow the limitation or exclusion of consequential damages, and therefore this limitation may not apply to you.

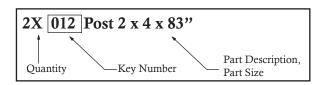
Keys to Assembly Success

Tools Required

- Tape Measure
- Carpenters Level
- Carpenters Square
- Claw Hammer
- Standard or Cordless Drill
- #1, #3 Phillips or Robertson bit or Screwdriver
- Ratchet(1/2", 7/16" & 9/16" sockets)
- · Open End Wrench (1/2", 7/16" & 9/16")
- Adjustable Wrench
- 1/8" & 3/16" Drill Bits
- 3/16" Hex Key
- 8' Step Ladder
- · Safety Glasses
- Adult Helpers
- Pencil

Part Identification Key

On each page, you will find the parts and quantities required to complete the assembly step illustrated on that page. Here is a sample.



Symbols

Throughout these instructions symbols are provided as important reminders for proper and safe assembly.

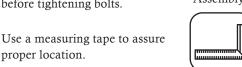
This identifies information that requires special attention. Improper assembly could lead to an unsafe or dangerous condition.



Use Use Help Help

Where this is shown, 2 or 3 people are required to safely complete the step. To avoid injury or damage to the assembly make sure to get help!

Check that assembly is square before tightening bolts.

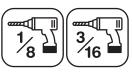


Square



Check that set or assembly is properly level before proceeding.

Pre-drill 1/8" & 3/16" Bit



Pre-drill a pilot hole before fastening screw or lag to prevent splitting of wood.

Leve1

Use

Tighten **Bolts**



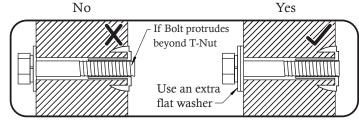
This indicates time to tighten bolts, but not too tight! Do not crush the wood. This may create splinters and cause structural damage.

Measure

Distance

CAUTION – Protrusion Hazard

Once the assembly is tightened, watch for exposed threads. If a thread protrudes from the T-Nut, remove the bolt and add washers to eliminate this condition. Extra washers have been provided for this purpose.

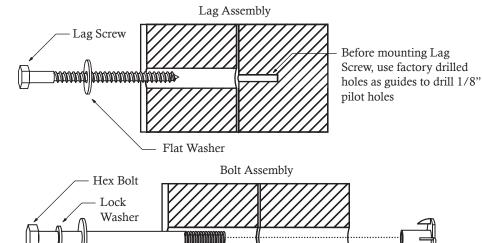


Proper Hardware Assembly

Lag screws require drilling pilot holes to avoid splitting wood. Only a flat washer is required. For ease of installation liquid soap can be used on all lag-type screws.

For bolts, tap T-Nut into hole with hammer. Insert the hex bolt through lock washer first then flat washer then hole. Because the assemblies need to be squared do not completely tighten until instructed. Pay close attention to diameter of the bolts. 5/16" is slightly larger than 1/4".

Note: Wafer head bolts with blue lock tight or a bolt with a Ny-Lok nut do NOT require a lock washer.



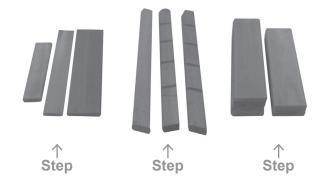
Flat

(Hammer into place)

Do not crush wood!

Your Key To Quick Assembly

SORTING WOOD PARTS INTO EACH ASSEMBLY STEP WILL SAVE TIME!



SAVE TIME - TIP #1:

Open each box with wood parts and look for the <u>Key Number</u> stamped on the end of the wood part (see chart below). Sort each wood part into the different assembly steps.



SAVE TIME - TIP #2:

In addition to the key number stamp, you can also identify the wood parts by using the Parts Identification pages in the manual or the Parts Identification weather resistant poster.

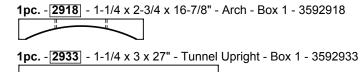
HARDWARE:

The majority of each hardware part comes packed in a separate bag so you do not need to sort the hardware. Each assembly step indicates which hardware (bolt, screw, washer etc.) you will require to complete the step.

Part Identification (Reduced Part Size)

```
6pc. - 578 - 1-1/8 x 15-7/8" - Dowel-Tennon - Box 1 - 3681578
    4pc. - 858 - 1-1/8 x 18-5/8" Dowel-Tennon - Box 1 - 3681858
    1pc. - 2921 - 1-1/4 x 4-1/2 x 14-1/8" - Rail Spacer - Box 1 - 3592921
    18pc. - 9092 - 1 x 5 x 16-7/8" - Floor Board - Box 1 - 3599092
  2pc. - 2922 - 1-3/8 x 4-1/2 x 18-3/4" - Safety Rail - Box 1 - 3592922
  1pc. - 2924 - 1-1/4 x 5 x 19-5/8" - Tunnel Arch - Box 1 - 3592924
   1pc. - 2932 - 1-1/4 x 4 x 19-5/8" - Tunnel Top - Box 1 - 3592932
  2pc. - 2920 - 1-1/2 x 1-1/2 x 33" - Picket - Box 1 - 3592920
  2pc. - 2931 - 1-3/8 x 3-3/8 x 33" - Tunnel Post - Box 1 - 3592931
   2pc. - 2917 - 1-3/8 x 3-3/8 x 33" - Access Upright - Box 1 - 3592917
   2pc. - 2925 - 1-3/8 x 2-1/2 x 53" - Tunnel Diagonal - Box 1 - 3592925
  1pc. - 2926 - 5/4 x 4 x 72-5/8" - Tunnel Ground - Box 1 - 3592926
1pc. - 2928 - 1-3/8 x 3-3/8 x 91-11/16" - Tunnel Ladder Rail Left - Box 1 - 3592928
 T. H
1pc. - 2927 - 1-3/8 x 3-3/8 x 91-11/16" - Tunnel Ladder Rail Right - Box 1 - 3592927
 [ · ji
1pc. - 2929 - 1-3/8 x 4-1/2 x 90-1/4" - Tunnel MK Rail Left - Box 1 - 3592929
1pc. - 2930 - 1-3/8 x 4-1/2 x 90-1/4" - Tunnel MK Rail Right - Box 1 - 3592930
```

Part Identification (Reduced Part Size)

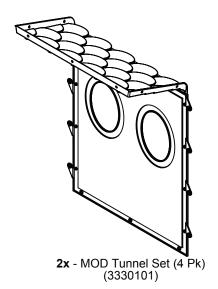


1pc. - **2934** - 15/16 x 3 x 27" - Upright Spacer - Box 1 - 3592934

1pc. -[**0304**] - 1 x 4 x 32-1/2" - CE Floor Board - Box 1 - 3590304

1pc. - 2923 - 1-11/64 x 5 x 16-7/8" - Top Tunnel - Box 1 - 3592923

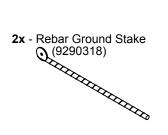
1pc. - 2919 - 1-11/64 x 4 x 16-7/8" - Bottom Tunnel - Box 1 - 3592919



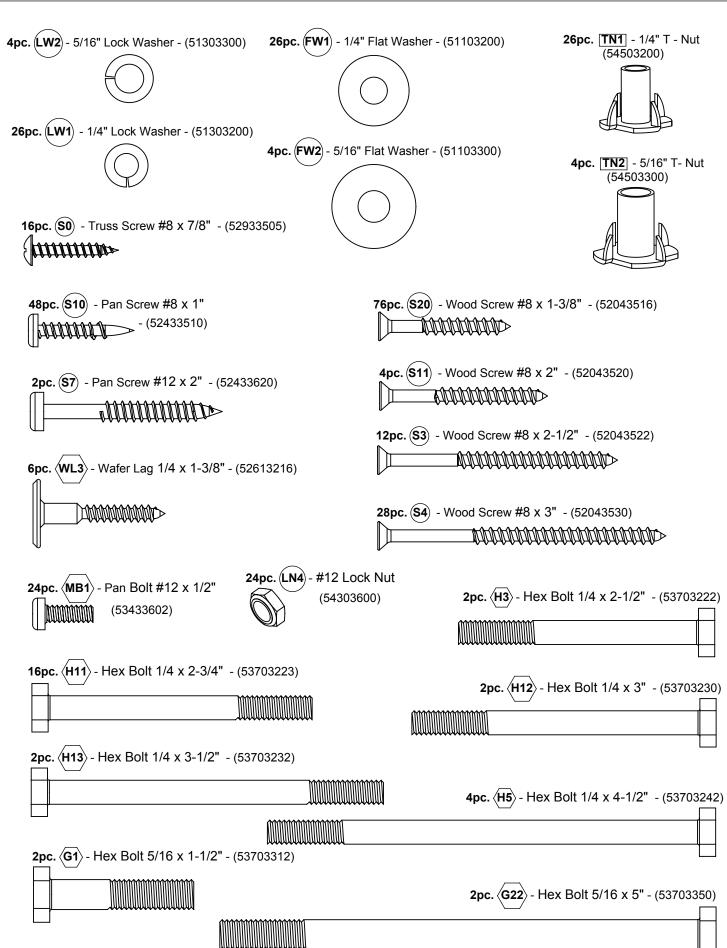




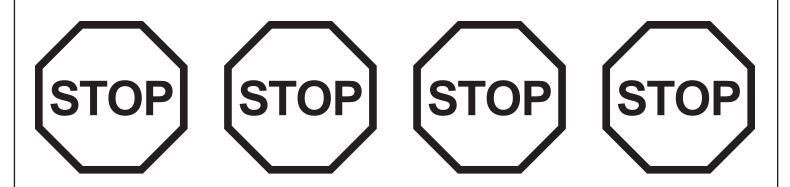




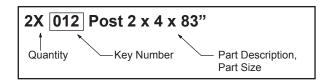
Hardware Identification (Actual Size)



First Step: Inventory Parts - Read This Before Starting Assembly



- **A.** This is the time for you to inventory all your hardware, wood and accessories, referencing the parts identification sheets. This will assist you with your assembly.
 - The wood pieces will have the key number stamped on the ends of the boards. Organize the wood pieces by step, as per the key numbering system below.



- Please refer to Page 6 for proper hardware assembly.
- Each step indicates which bolts and/or screws you will need for assembly, as well as any flat washers, lock washers, t-nuts or lock nuts.
- **B.** If there are any missing or damaged pieces or you need assistance with assembly please contact the consumer relations department directly. <u>Call us before going back to the store.</u>

1-877-817-5682 support@cedarsummitplay.com

- **C.** Read the assembly manual completely, paying special attention to ANSI warnings; notes; and safety/maintenance information on pages 1 6.
- **D.** Before you discard your cartons fill out the form below.
 - The carton I.D. stamp is located on the end of each carton. The tracking number is located on the Cedar Summit ID Plaque (9320357).
 - Please retain this information for future reference. You will need this information if you contact the Consumer Relations Department.

MODEL NUMBER: A25230					
CARTON I.D. STAMP:	14459 (Box 1)	CARTON I.D. STAMP:	14459 (Box 4)		
CARTON I.D. STAMP:	14459 (Box 2)	CARTON I.D. STAMP:	14459 (Box 5)		
CARTON I.D. STAMP:	14459 (Box 3)	CARTON I.D. STAMP:	14459 (Box 6)		
TRACKING NUMBER (from ID Plaque):					

Step 1: Monkey Rail Assembly Part 1

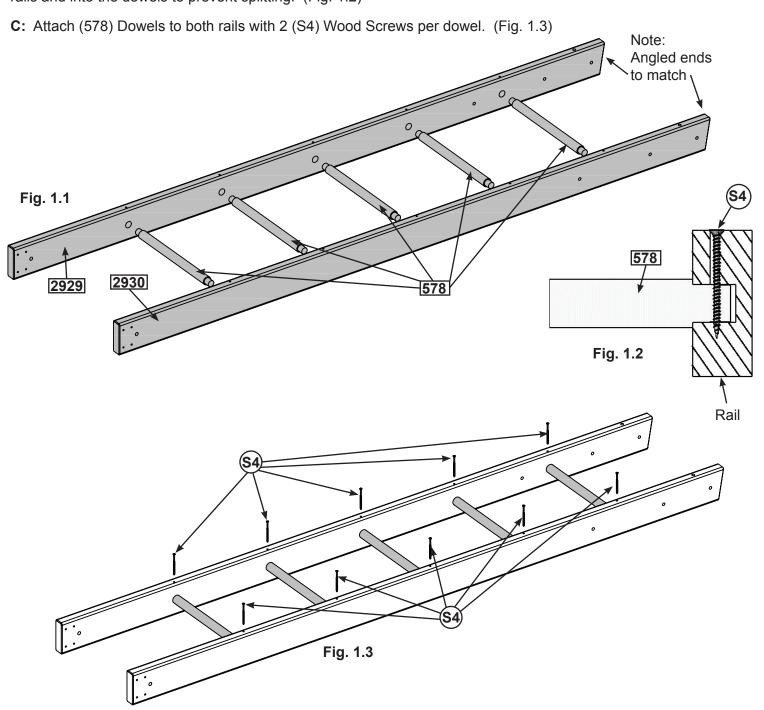




Pre-drill all pilot holes using a 1/8" drill bit before installing Wood Screws.

A: Insert 5 (578) Dowels into both (2930) Tunnel MK Rail Right and (2929) Tunnel MK Rail Left. (Fig. 1.1, 1.2 and 1.3)

B: Make sure shoulder of dowel is against each rail before predrilling pilot holes. Drill 1/8" pilot holes through the rails and into the dowels to prevent splitting. (Fig. 1.2)



Wood Parts

1 x 2930 Tunnel MK Rail Right 1-3/8 x 4-1/2 x 90-1/4"

/4" 10

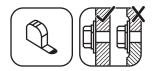
10 x 🗐 #8 x 3" Wood Screw

Hardware

1 x 2929 Tunnel MK Rail Left 1-3/8 x 4-1/2 x 90-1/4"

5 x 578 Tennon Dowel 1-1/8 x 15-7/8"

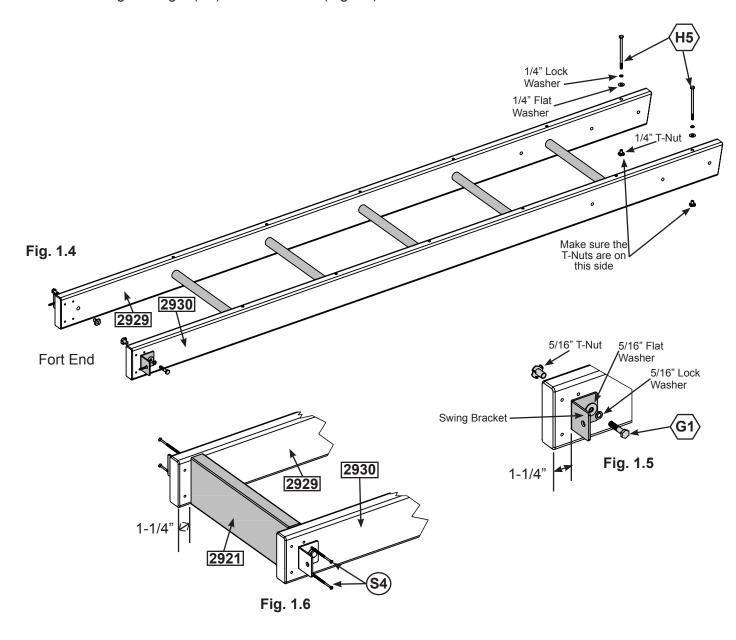
Step 1: Monkey Rail Assembly Part 2



D: Attach 1 (H5) Hex Bolt (with lock washer, flat washer and t-nut) to (2929) Tunnel MK Rail left and (2930) Tunnel MK Rail Right. **IMPORTANT! MAKE SURE THE BOLT IS ATTACHED TO MINIMIZE CHECKING OF WOOD.** (Fig. 1.4)

E: Measure 1-1/4" in from fort end of (2929) Tunnel MK Rail Left and attach 1 Swing Bracket with 1 (G1) Hex Bolt (with lock washer, flat washer and t-nut) as shown in Figure 1.5 Repeat on (2930) Tunnel MK Rail Right. (Fig. 1.4 and 1.5)

F: Measure 1-1/4" in from fort end and attach (2921) Rail Spacer to (2929) Tunnel MK Rail Left and (2930) Tunnel MK Rail Right using 4 (S4) Wood Screws. (Fig 1.6)



 Wood Parts
 Hardware
 Other Parts

 1 x 2921 Rail Spacer 1-1/4 x 4-1/2 x 14-1/8"
 2 x G1 5/16 x 1-1/2" Hex Bolt (5/16" lock washer, 5/16" flat washer, 5/16" t-nut)
 2 x Swing Bracket

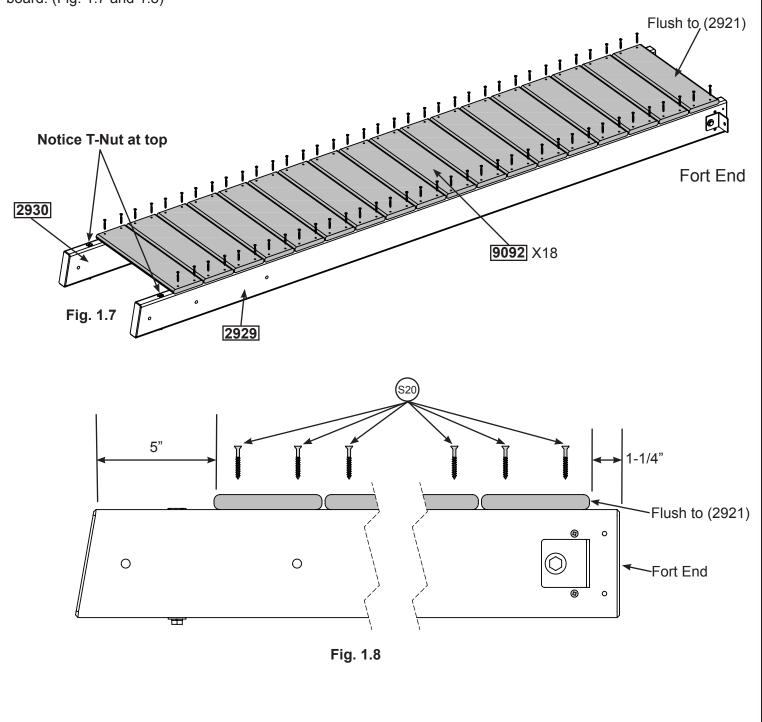
 4 x S4 #8 x 3" Wood Screw
 2 x H5 1/4 x 4-1/2" Hex Bolt (1/4" lock washer, 1/4" flat washer, 1/4" t-nut)

Step 1: Monkey Rail Assembly Part 3



G: Measure 1-1/4" from fort end of (2929) Tunnel MK Rail Left and (2930) Tunnel MK Rail Right then place 1 (9092) Floor Board flush to (2921) Rail Spacer. Then measure 5" from ladder end of (2929) Tunnel MK Rail Left and (2930) Tunnel MK Rail Right and place 1 (9092) Floor Board. (Fig. 1.7 and 1.8)

H: Evenly space remaining 16 (9092) Floor Boards then attach all floor boards with 4 (S20) Wood Screws per board. (Fig. 1.7 and 1.8)



Wood Parts

18 x 9092 Floor Board 1 x 5 x 16-7/8"

Hardware 72 x (S20) #8 x 1-3/8" Wood Screw

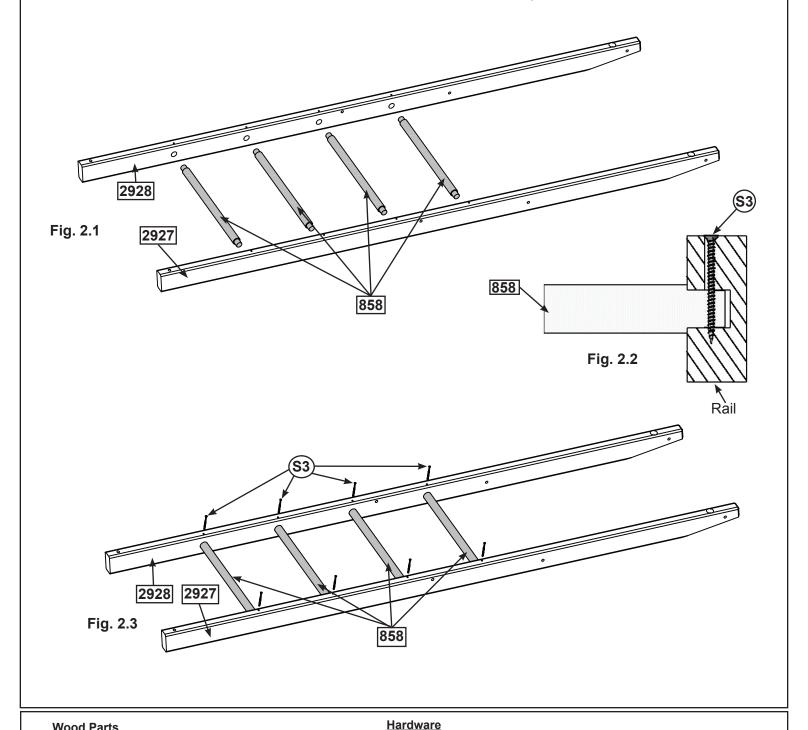
Step 2: Monkey Ladder Assembly Part 1



Pre-drill all pilot holes using a 1/8" (3.2 mm) drill bit before installing Wood Screws.

A: Insert 4 (858) Dowels into (2927) Tunnel Ladder Rail Right and (2928) Tunnel Ladder Rail Left. Make sure shoulder of dowel is against each rail before pre-drilling pilot holes. Drill 1/8" pilot holes through the rails and into the dowels to prevent splitting. (Fig. 2.1 and 2.2)

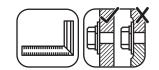
B: Attach (858) Dowels to both rails with 2 (S3) Wood Screws per dowel. (Fig. 2.2 and 2.3)



Wood Parts

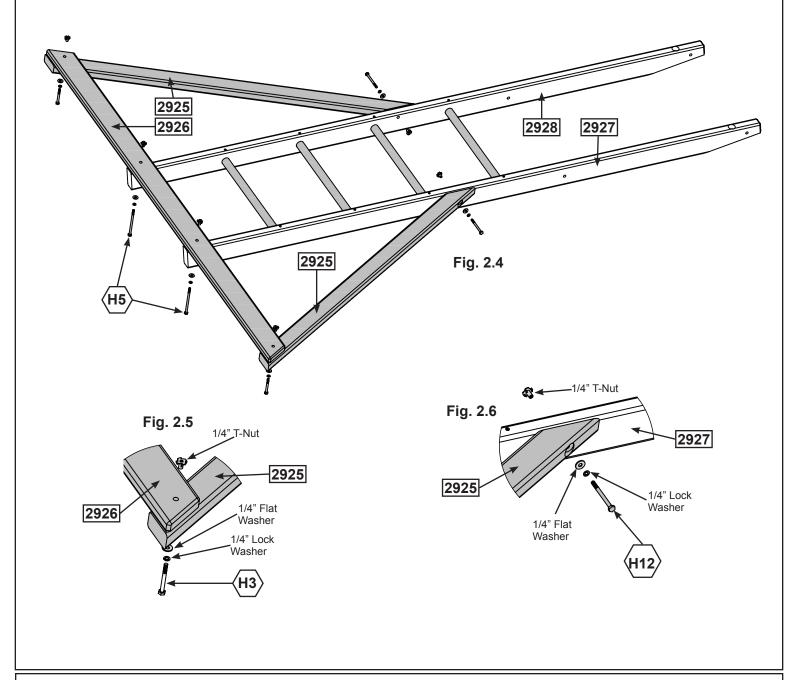
- 1 x 2928 Tunnel Ladder Rail Left 1-3/8 x 3-3/8 x 91-11/16"
- 8 x (S3) #8 x 2-1/2" Wood Screw
- 1 x 2927 Tunnel Ladder Rail Right 1-3/8 x 3-3/8 x 91-11/16"
- 4 x 858 Tennon Dowel 1-1/8 x 18-5/8"

Step 2: Monkey Ladder Assembly Part 2



C: At bottom of (2927) Tunnel Ladder Rail Right and (2928) Tunnel Ladder Rail Left attach (2926) Tunnel Ground with 2 (H5) Hex Bolts (with lock washer, flat washer and t-nut). Be sure to keep the bolts loose. (Fig. 2.4)

D: Make sure the assembly is square and then attach 1 (2925) Tunnel Diagonal to each end of (2926) Tunnel Ground with 1 (H3) Hex Bolt (with lock washer, flat washer and t-nut) per diagonal (Fig. 2.4 and 2.5) and to each (2927) Tunnel Ladder Rail Right and (2928) Tunnel Ladder Rail Left with 1 (H12) Hex Bolt (with lock washer, flat washer and t-nut) per diagonal (Fig. 2.4 and 2.6). Then tighten all bolts from Steps C & D. (Fig. 2.4, 2.5 and 2.6)



Wood Parts

1 x 2926 Tunnel Ground 5/4 x 4 x 72-5/8"

2 x 2925 Tunnel Diagonal 1-3/8 x 2-1/2 x 53"

<u>Hardware</u>

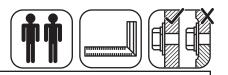
2 x (H3) 1/4 x 2-1/2" Hex Bolt

(1/4" lock washer, 1/4" flat washer, 1/4" t-nut)

2 x (H12) 1/4 x 3" Hex Bolt (1/4" lock washer, 1/4" flat washer, 1/4" t-nut)

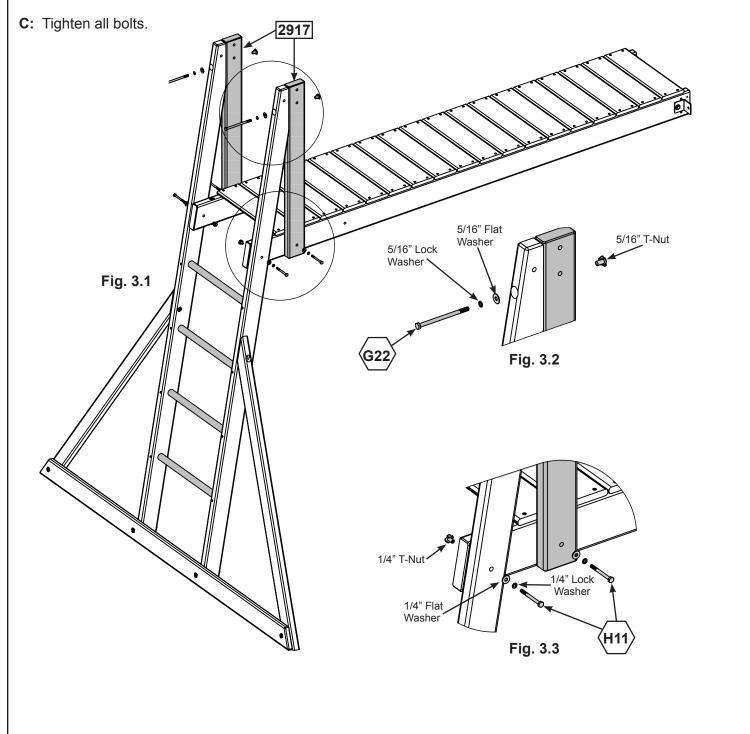
2 x (H5) 1/4 x 4-1/2" Hex Bolt (1/4" lock washer, 1/4" flat washer, 1/4" t-nut)

Step 3: Attach Monkey Ladder and Rail Assemblies



A: Using 2 (G22) Hex Bolts (with lock washer, flat washer and t-nut) connect (2917) Access Upright to assembled Monkey Ladder. Keep bolts loose. (Fig. 3.1 and 3,2)

B: Using 4 (H11) Hex Bolts (with lock washer, flat washer and t-nut) connect (2917) Access Upright to assembled Monkey Ladder and Tunnel Floor. (Fig. 3.1 and 3.3)



Wood Parts

2 x 2917 Access Upright 1-3/8 x 3-3/8 x 33"

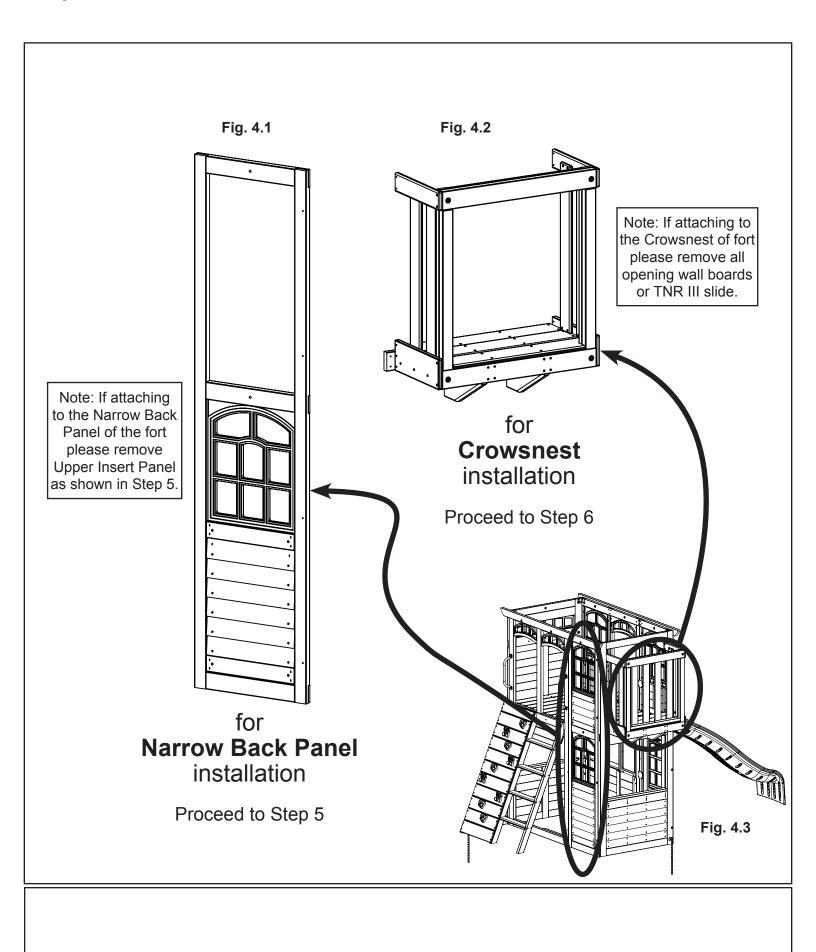
Hardware

2 x (G22) 5/16 x 5" Hex Bolt

(5/16" lock washer, 5/16" flat washer, 5/16" t-nut)

(H11) 1/4 x 2-3/4" Hex Bolt (1/4" lock washer, 1/4" flat washer, 1/4" t-nut)

Step 4: Determine Which Fort Installation to Use



Step 5: Prepare Narrow Back Panel Opening Part 1

A: Back out all wood screws from (192) Crowsnest Back and remove. (Fig. 5.1) **B:** Remove Insert Panel from Narrow Back Panel. (Fig. 5.1) **Insert Panel Crowsnest Back** Fig. 5.1 **View From Inside** (Front Wall hidden for clarity)

Step 5: Prepare Narrow Back Panel Opening Part 2

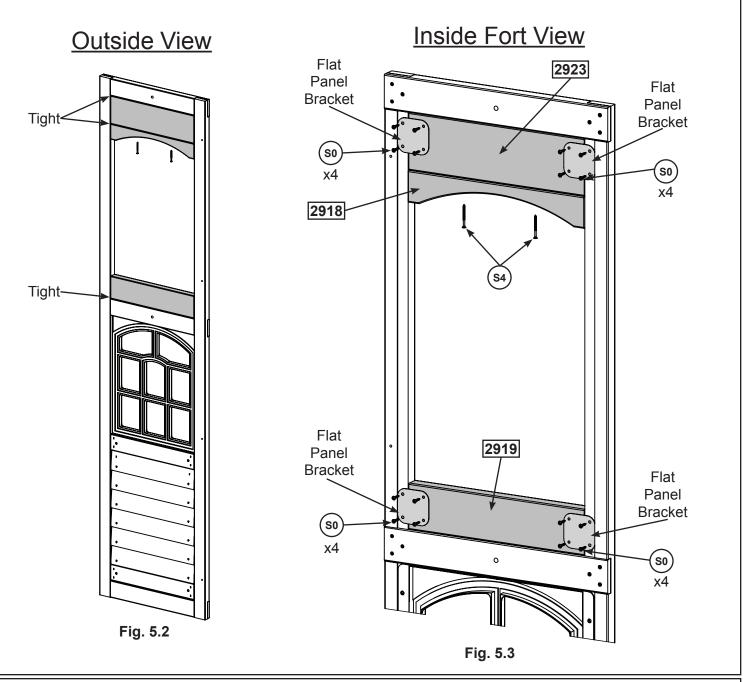


C: Attach (2923) Top Tunnel tight to the top of the fort panel using 2 Flat Panel brackets and 4 (S0) Truss Screws per bracket. (Fig. 5.2 and 5.3)

D: Attach (2919) Bottom Tunnel tight to the bottom of the fort panel using 2 Flat Panel brackets and 4 (S0) Truss Screws per bracket. (Fig. 5.2 and 5.3)

E: Replace (192) Crowsnest Back using original hardware. (Fig. 5.1)

F: Attach (2918) Arch tight to (2923) Top Tunnel using 2 (S4) Wood Screws. (Fig. 5.2 and 5.3)



Wood Parts 1 x 2918 Arch 1-1/4 x 2-3/4 x 16-7/8"

1 x 2923 Top Tunnel 1.17 x 5 x 16-7/8"

1 x 2919 Bottom Tunnel 1.17 x 4 x 16-7/8"

Hardware

16 x (S0) #8 x 7/8" Truss Screw

2 x (S4) #8 x 3" Wood Screw

Other Parts

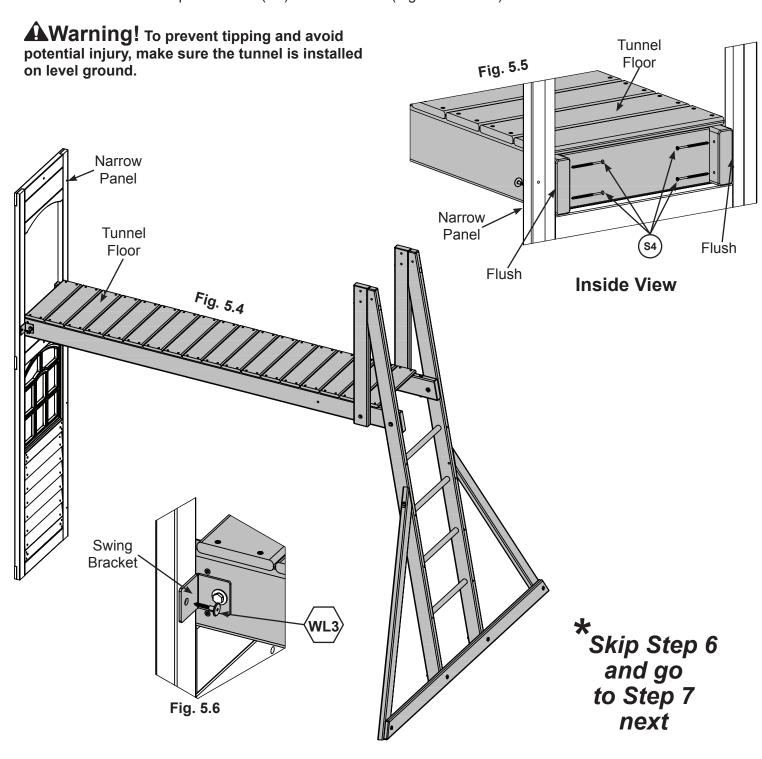
4 x Flat Panel Bracket

Step 5: Attach to Narrow Back Panel Opening Part 3



G: With a helper attach Adventure Tunnel. Attach Swing Brackets to Fort with 1 (WL3) Wafer Lag per bracket. (Fig. 5.4 and 5.6)

H: Attach Tunnel Floor to panel with 4 (S4) Wood Screws. (Fig. 5.4 and 5.5)

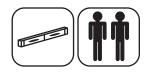


Hardware

4 x (S4) #8 x 3" Wood Screw

2 x (WL3) 1/4 x 1-3/8" Wafer Lag

Step 6: Attach to Crows Nest Opening Part 1



A: With a helper fit Adventure Tunnel to crowsnest and attach with 1 (WL3) Wafer Lag. (Fig. 6.1 and 6.3) **B:** Inside fort attach Tunnel Floor using 2 (S4) Wood Screws. (Fig. 6.2) Tunnel AWarning! To prevent tipping and avoid Floor potential injury, make sure the tunnel is installed Tight on level ground. Crowsnest Inside View Fig. 6.2 Fig. 6.1 Flush to this side of Crowsnest Swing Bracket^{*} Fig. 6.3

Hardware

2 x (\$4) #8 x 3" Wood Screw

x (_{WL3}) 1/4 x 1-3/8" Wafer Lag

Step 6: Attach to Crows Nest Opening Part 2

C: Attach (2918) Arch with 2 (S4) Wood Screws tight to the top and side of the crowsnest. (Fig. 6.4 and 6.5)

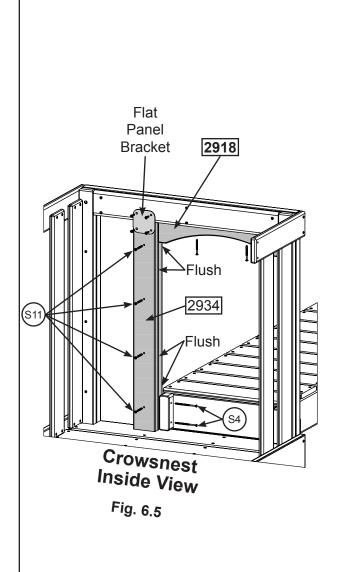
D: Attach (2933) Tunnel Upright tight to (2918) Arch and Tunnel using 2 Flat Panel Bracket and 8 (S0) Truss Screws. (Fig. 6.4 and 6.6)

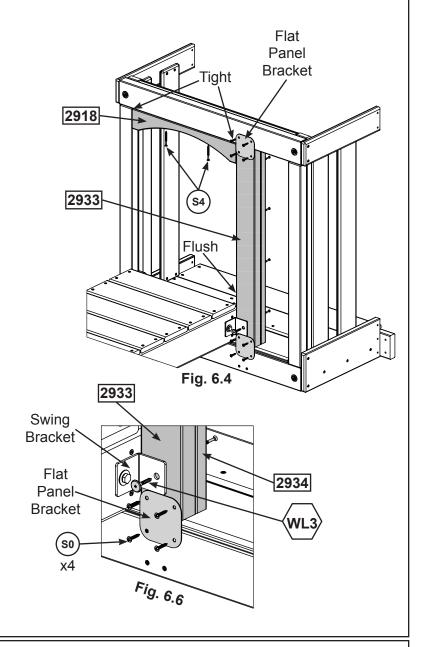
E: Inside fort attach (2934) Upright Spacer flush to (2933) Tunnel Upright with 4 (S11) Wood Screws.(Fig. 6.5)

F: Inside fort attach 1 Flat Panel Bracket to top of (2934) Upright Spacer with 4 (S0) Truss Screws. (Fig. 6.5)

G: Attach Swing Bracket to (2933) Tunnel Upright with 1 (WL3) Wafer Lag. (Fig. 6.6)

H: Attach Tunnel Floor to (2933) Tunnel Upright with 2 (S4) Wood Screws. (Fig. 6.5)





Wood Parts

1 x 2918 Arch 1-1/4 x 2-3/4 x 16-7/8"

1 x 2933 Tunnel Upright 1-1/4 x 3 x 27"

1 x 2934 Upright Spacer 15/16 x 3 x 27"

Hardware

2 x (S0) #8 x 7/8" Truss Screw

1 x (WL3) 1/4 1-3/8" Wafer Lag

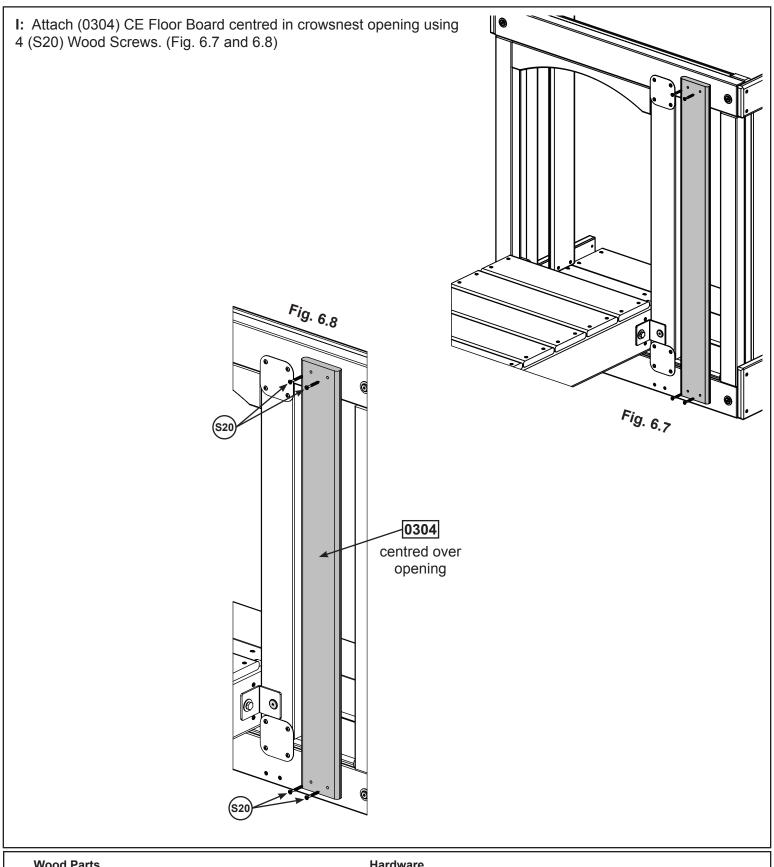
Other Parts

3 x Flat Panel Bracket

4 x (\$1) #8 x 2" Wood Screw

4 x 🚱 #8 x 3" Wood Screw

Step 6: Attach to Crows Nest Opening Part 3



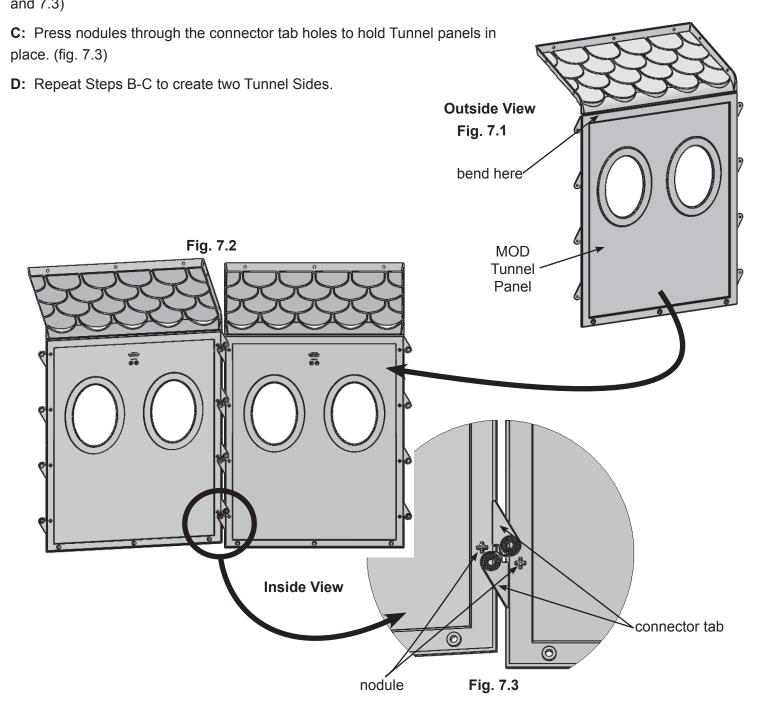
 Wood Parts
 Hardware

 1 x □3304 CE Floor Board 1 x 4 x 32-1/2"
 4 x (\$20) #8 x 1-3/8" Wood Screw

Step 7: Build Tunnel Assembly Part 1

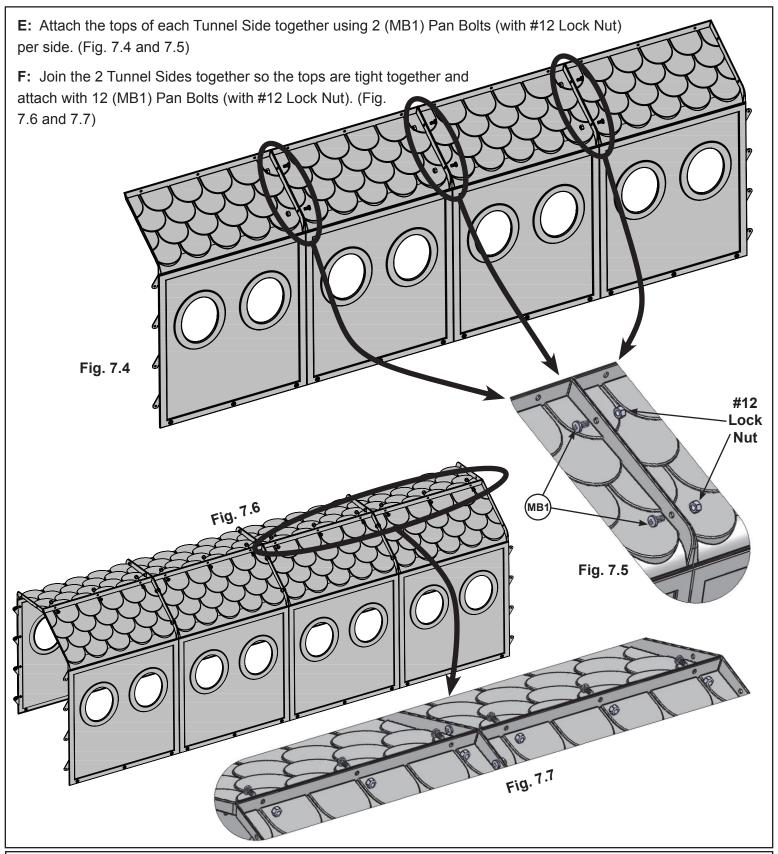
A: Bend all 8 MOD Tunnel Panels as shown in fig. 7.1

B: Match 2 MOD Tunnel Panels together by making a slight "V" with the pieces so the peak of the "V" faces away from you. Make sure connector tabs are coupled then straighten the 2 panels. Push down on one panel and up on the other until you hear the connector tabs click together and the bottom edges are flush. You may have to knock panels on a hard surface to align properly. Do this so there are 4 MOD Tunnel Panels attached together.(fig. 7.2 and 7.3)



Other Parts
8 x MOD Tunnel Panel

Step 7: Build Tunnel Assembly Part 2



Hardware

24 x (MB) #12 x 1/2" Bolt (#12 Nut)

Step 8: Attach Tunnel Assembly to Entrance

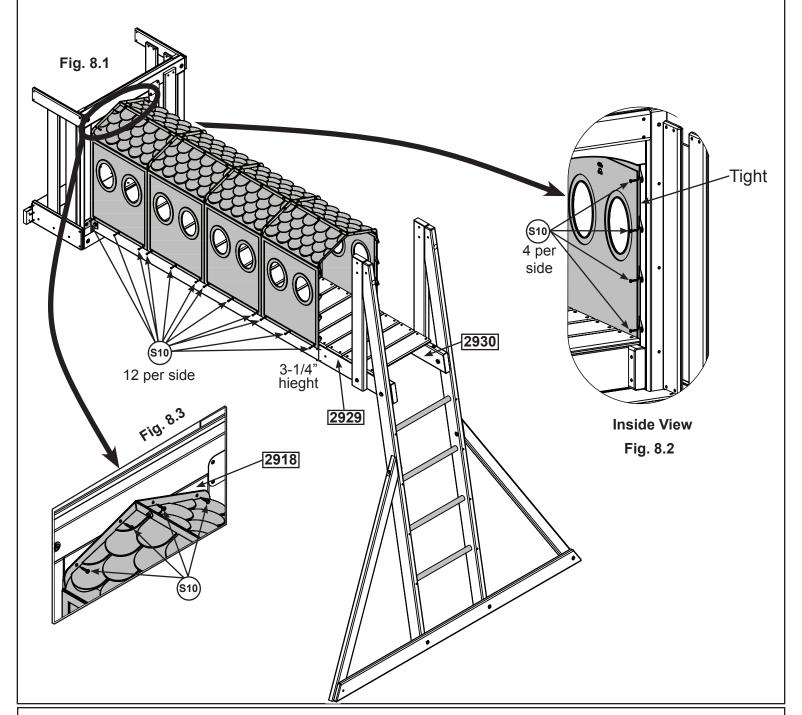




A: With 2 helpers, from inside the fort attach the tunnel with 8 (S10) Pan Screws making sure the Tunnel measures 3-1/4" from the bottom of the Tunnel MK rail. (Fig. 8.1 and Fig. 8.2)

B: Attach tunnel to Tunnel MK Rails with 24 (S10) Pan Screws maintaining 3-1/4" from the bottom. (Fig. 8.2)

C: Attach tunnel at top to (2918) Arch with 4 (S10) Pan Screws. (Fig. 8.3)



Hardware
36 x (\$10) #8 x 1" Pan Screw

Step 9: Assemble Tunnel Entrance & Safety Rail

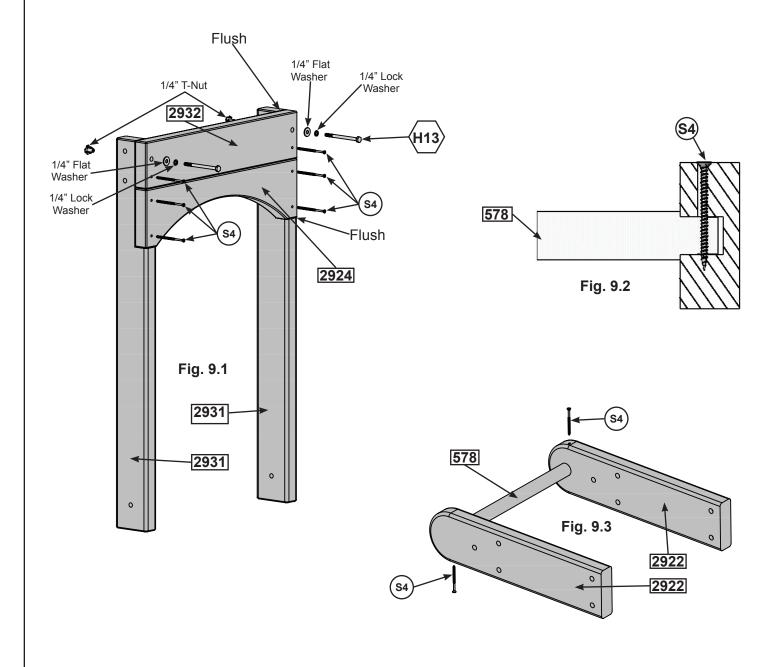


Pre-drill all pilot holes using a 1/8" (3.2 mm) drill bit before installing Wood Screws.

A: Attach (2932) Tunnel Top to (2931) Tunnel Post with 2 (H13) Hex Bolts (with lock washer, flat washer and t-nut) and 2 (S4) Wood Screws. (Fig. 9.1)

B: Attach (2924) Tunnel Arch to (2931) Tunnel Post with 4 (S4) Wood Screws. (Fig. 9.1)

C: Attach (578) Tennon Dowel to (2922) Safety Rails with (S4) Wood Screws. (Fig. 9.2 and 9.3)



Wood Parts

- 2 x 2931 Tunnel Post 1-3/8 x 3-3/8 x 33"
- 1 x 2924 Tunnel Arch 1-1/4 x 5 x 19-5/8"
- 1 x 2932 Tunnel Top 1-1/4 x 4 x 19-5/8"
- 2 x 2922 Safety Rail 1-3/8 x 4-1/2 x 18-3/4"
- 1 x 578 Tennon Dowel 1-1/8 x 15-7/8"

<u>Hardware</u>

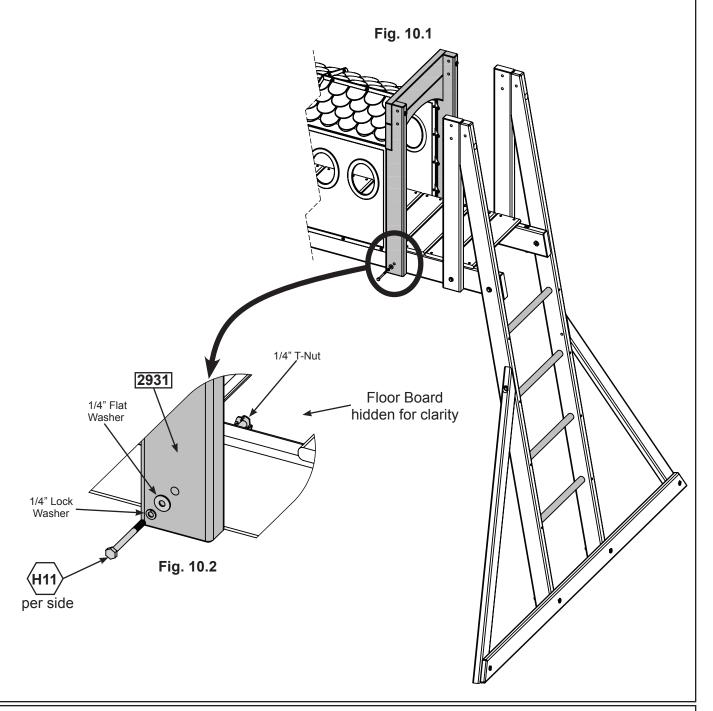
8 x (S4) #8 x 3" Wood Screw

2 x (H13) 1/4 x 3-1/2" Hex Bolt (1/4" lock washer, 1/4" flat washer, 1/4" t-nut)

Step 10: Attach Tunnel Entrance



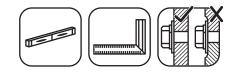
A: Attach (2931) Tunnel Post to Tunnel MK Rails using 2 (H11) Hex Bolts (with lock washer, flat washer and t-nut). Keep bolts loose. (Fig. 10.1 and 10.2)



Hardware

2 x (H11) 1/4 x 2-3/4" Hex Bolt
(1/4" lock washer, 1/4" flat washer, 1/4" t-nut)

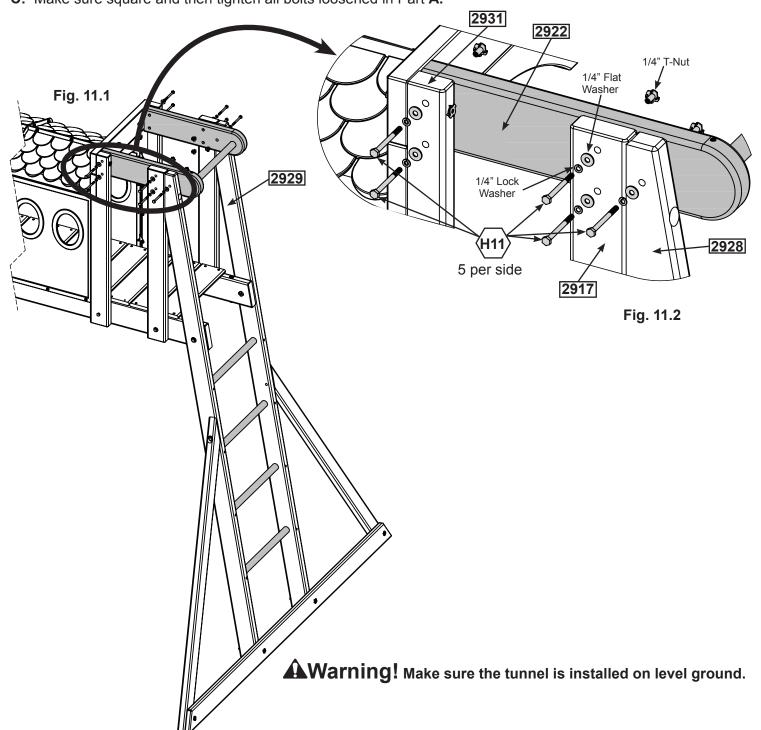
Step 11: Attach Safety Rail Assembly



A: Loosen all bolts installed in Step 3. (Fig. 3.1, 3.2 and 3.3)

B: Attach (2922) Safety Rail to (2931) Tunnel Post, (2917) Access Upright and (2928 and 2929) Tunnel Ladder Rails with 5 (H11) Hex Bolts (with lock washer, flat washer and t-nut) to both sides of Adventure Tunnel. Keep bolts loose. (Fig. 11.1 and 11.2)

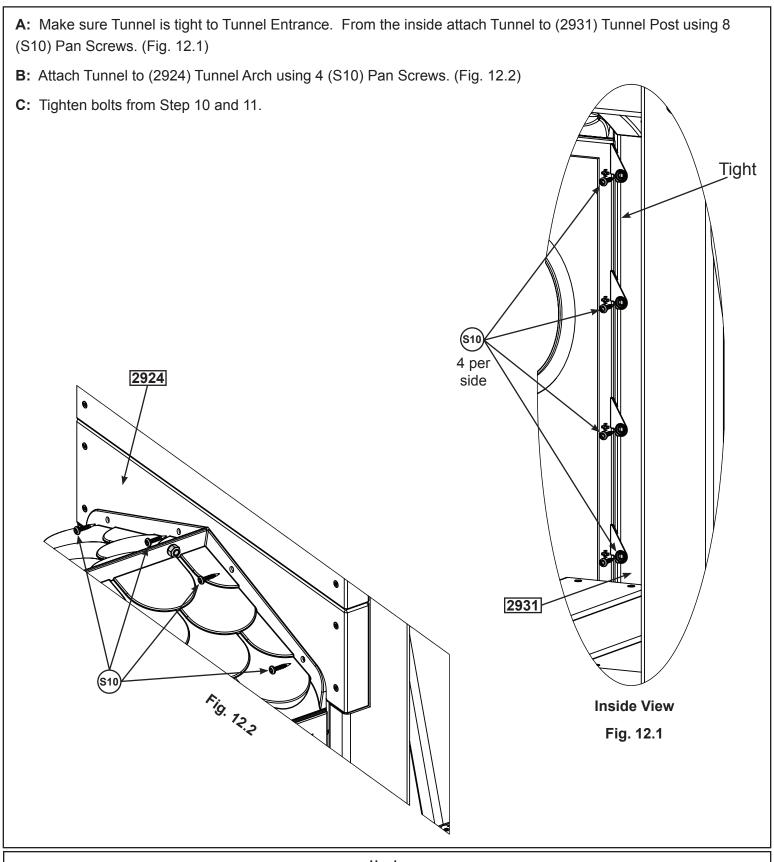
C: Make sure square and then tighten all bolts loosened in Part A.



Hardware

10 x (H11) 1/4 x 2-3/4" Hex Bolt (1/4" lock washer, 1/4" flat washer, 1/4" t-nut)

Step 12: Secure Tunnel to Entrance



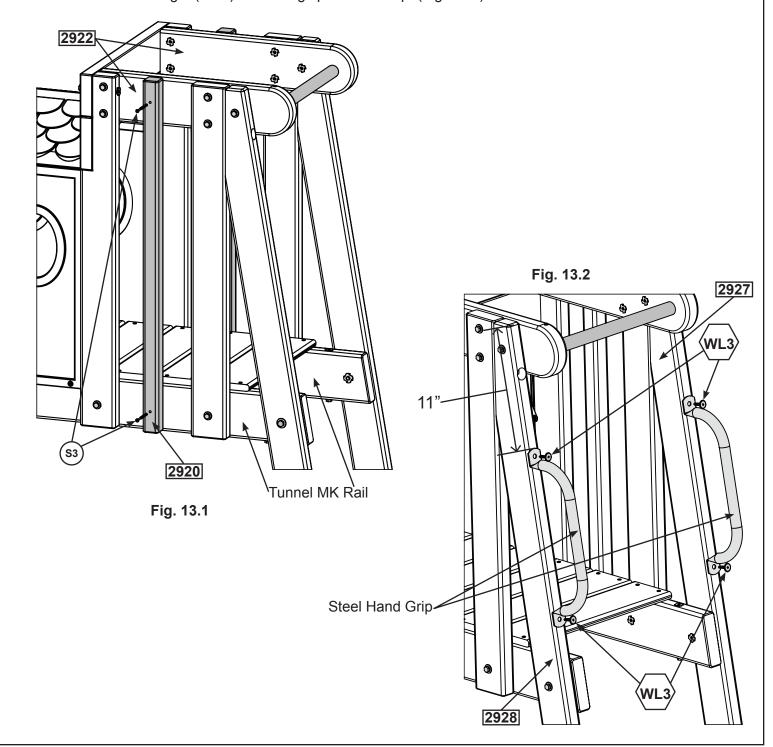
Hardware
12 x (\$10) #8 x 1" Pan Screw

Step 13: Attach Pickets and Hand Rails



A: Attach (2920) Picket to (2922) Safety Rail and Tunnel MK Rail centred in space using 2 (S3) Wood Screws per Picket. (Fig. 13.1)

B: Attach Steel Hand Grip to (2927) Tunnel Ladder Rail Right and (2928) Tunnel Ladder Rail Left 11" down on Tunnel Ladder Rails using 2 (WL3) Wafer Lags per Hand Grip. (Fig. 13.2)



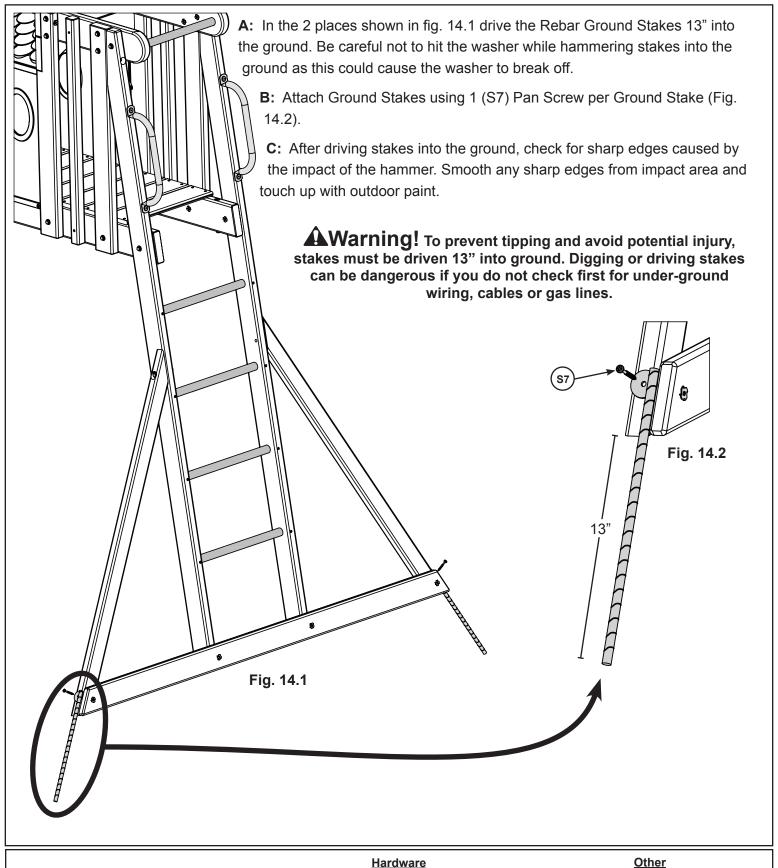
 Wood Parts
 Hardware
 Other

 2 x
 2 x 2000 Picket 1-1/2 x 1-1/2 x 33"
 4 x (s) #8 x 2-1/2" Wood Screw
 2 x Steel Hand Grip

 4 x (w) 1/4 x 1-3/8" Wafer Lag

Final Step: Attach Ground Stakes





Hardware
2 x 🛐 #12 x 2" Pan Screw

2 x Rebar Ground Stake

NOTES

NOTES

CEDAR SUMMIT

Consumer Registration Card

First Name	Initial	Last Name		
Street		Apt. No.		
City		State/Province ZIP/Postal Code		
Country		Telephone Number		
E-Mail Address				
Model Name		Model Number (Box Labels)		
Serial Number (on ID Plaque)				
Date Purchase Purchased From				
MM / DD / YY				
How would you rate this product for quality?				
☐ Excellent ☐ Very Good	☐ Ave	erage		
How would you rate this product for ease of assembly? ☐ Excellent ☐ Very Good ☐ Average ☐ Below Average ☐ Poor				
How would you rate our instructions? ☐ Excellent ☐ Very Good ☐ Average ☐ Below Average ☐ Poor				
How would you rate the quality of packaging? ☐ Excellent ☐ Very Good ☐ Average ☐ Below Average ☐ Poor				
Would you recommend the purchase of our products to friends and family? ☐ Yes ☐ No				
Comments:				

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Thing to say Thank You for

Cedar Summit would like to say Thank You for your time and feedback.