



AMERICA'S BEST VALUE IN SWING SETS.™

5.4 Jaguar Playcenter Install Manual

Version 4.15



Tools Needed for Assembly

Tape Measure	24" Level	Angle Square
Phillips Screw Driver	3/8" Cordless Drill or Electric Drill	3/8" Drive Ratchet or Electric Impact Gun
Claw Hammer or Rubber Mallet	Pliers or Vise Grips	7/16" Deep Well Socket
9/16" Deep Well Socket	3/4" Deep Well Socket	1/8", 1/4", and 9/16" Drill Bits
Phillips Head Screw Bits	An Adult with two Adult Helpers	

Please familiarize yourself with the install manual, parts/components and general construction process of your new swing set before getting started. Approximate assembly time: 6 to 8 hours. 6 foot unobstructed safety perimeter around swing set recommended.

Choosing A Location For Your Playset

When choosing a location for your swing set, always keep your child or children's safety in mind. Here are some recommendations to help you locate and install a safe play area.

- This play set is designed for the use of 4 occupants who have a combined weight not exceeding 800 pounds on the elevated floor; 3 occupants who have a combined weight of 525 pounds on the swing area; for a total Unit capacity of 5 occupants who have a combined weight of 1325. (this weight is not including the picnic table area)
- On-site adult supervision is required.
- The swing set should be located on level ground. The stationary components such as ladders and slides are required to be a minimum of six feet from any structure or obstruction such as a fence, garage, house, tree, overhanging branches, electrical wires, clotheslines, etc. Any swinging equipment is also required to be a minimum distance twice the height of the swing beam away from these obstructions or structures as well. The swing set should be located a safe distance from any water hazards, such as a lake, river, bayou, swimming pool, etc.
- Do not install this residential swing set in a commercial setting. This swing set is not manufactured for commercial usage and will void all warranties. Tree Frogs Wooden Swing Set Factory is not responsible for any damages or injuries resulting from this swing set being used in a commercial setting.
- Never install this swing set indoors; or over concrete, asphalt, packed earth, grass, carpet or any other hard surface. A fall onto a hard surface can result in serious or fatal injury.
- The U.S. Consumer Product Safety Commission (CPSC) recommends that you install and maintain a resilient surface under your swing set. The CPSC's Consumer Information Sheet for Playground Surfacing Materials is on the next page. A resilient surface, should be installed after the swing set has been completely assembled according to these instructions. The swing set must rest on solid ground. Please note that this swing set has a maximum fall height of 7'.

Maintaining Your Swing Set

Here are some maintenance tips required to insure safe play on your swing set for years of fun.

- At the beginning of each usage season and every two weeks during, check: nuts and bolts and tighten as needed, swing seats, chains, ladders, slides, rope and wood components for sign of deterioration and replace if necessary.
- On a yearly basis, we recommend that you coat your swing set with a sealant or preservative. You may also want to spot sand any areas prior to sealing.

**** Special note:** Although we recommend that you reseal your swing set annually, you may have to touch up the high traffic areas and/or areas that have a high exposure to direct sunlight.**

- Be sure that the sealant you select is non-toxic and child safe. Your local Tree Frogs Wooden Swing Set Factory dealer may offer a complete power wash and reseal and maintenance program.
- Do not use line trimmers or "weed eaters" around your swing set. The line will remove both paint and wood from uprights and base pieces. Any damage resulting from this type of abuse is not covered under our limited warranty.
- Remove plastic swing seats and take in doors or do not use when temperature drops below 0°F.

Weight Limits for Tree Frogs Swing Sets

Fort Platform: 800 Lbs. Total Weight

Swing Belts: 175 Lbs.

Trapeze: 125 Lbs.

Full Bucket Swing: 50 Lbs.

Toddler Bucket Swing: 50 Lbs.

Tire Swing: 125 Lbs. Total Weight

Rope Ladder: 75 Lbs.

Rock Wall: 150 Lbs.

All Slides: 125 Lbs.

Tree Frogs recommends that the weight limits for all components must not be exceeded. Failure to adhere to these and other safety guidelines could result in damage to the swing set and/or injury to the users.

Please keep this install manual for future reference.

To insure SAFE PLAY adults must teach children:

- Not to walk close to, in front of, behind, or between moving items.
- Not to swing empty swing seats.
- Not to swing sideways into the path of adjacent swings.
- Not to use the swing set in a manner other than that for which it is intended.
- Not to get off the equipment while it is in motion.
- Not to jump off the tower.
- Not to stand in the swing seats.
- Not to swing so high that chains become slack, or above the height of the swing support.
- Not to jump on a slide.
- Not to climb on top of the swing support.
- Not to attach to the swing set any item that is not specifically designed for use with the equipment, such as (but not limited to) jump ropes, clotheslines, pet leashes, cables, and chains. These may become strangulation hazards.
- To hold on to swings and climbers with both hands.
- To slide feet first, never head first.
- To watch for other children while swinging or playing near the swing set.

To also insure SAFE PLAY adults must:

- Limit climbing and swinging heights to each child's ability.
- Verify that suspended climbing ropes are secured at both ends.
- Verify that suspended climbing ropes cannot be looped back on themselves.
- Dress children appropriately for play. Use well-fitted shoes that do not have slippery soles.
- Avoid ponchos, scarves, hoods, loose fitting clothing, neckties, and any clothing with a drawstring. Serious injury could result should any part of the children's clothing become entangled in the swing set.
- Do not allow children to play wearing helmets.
- Remember that children are inventive. When they develop games that are unsafe, be alert and change the rules.

IMPORTANT - PLEASE READ

As fresh lumber acclimates to its new environment, the natural tendencies of the tree can show itself in the form of checks, or "cracks" in the lumber. In almost all cases this is normal and it will not affect the structural integrity of your play set.

Cosmetic defects that do not affect the structural integrity of the product, or natural defects of wood such as warping, checking or any other physical properties of wood that do not present a safety hazard, are not covered by this warranty.

Defects that develop because the product is exposed to extreme climate conditions are not covered by this warranty.

Defects that develop as a result of faulty or improper installation of the product are also not covered by this warranty.

Most cracks are not warrantable, however if you believe that the integrity of your play set is compromised by this natural occurrence, please contact the Tree Frogs Swing Set Dealer that you purchased your swing set from.

We appreciate your purchase and know that you will enjoy your play system for many years to come.

Pre-Assembly Hints

- Depending on your experience, assembly of our play sets can take as little as 6 hours up to 24 hours, depending on size, after inventory of parts; therefore, we recommend you set aside a full two days for assembly.
- Identify all of the parts for your play set. Empty each box and lay out boards so you can see each part. Your instruction book will have detailed drawings that will make it easy for you to recognize individual parts. Keep all hardware and metal parts separate from wooden pieces.
- After everything is laid out, check carefully to ensure all parts are present. Make sure there are no broken boards.
- Find an area to sort your hardware. It is best to open the hardware on a solid surface so that you do not lose any pieces in the grass. This will save time and familiarize you with all the different pieces in the hardware bag.

****Important note:** Wood has some natural defects such as knots, surface cracks, etc... We reject parts that are structurally defective. We use a high quality lumber in our structures; however, you should inspect each part for splinters or rough spots and sand them smooth to prevent injury.**

- After familiarizing yourself with all of the components, read all instructions thoroughly. Reading instructions after you have studied the parts will help you understand more clearly the installation process, and help to eliminate unnecessary mistakes.
- Pay close attention to the diameter and length of each bolt and screw.
- Never tighten hardware completely at first. It helps to have some adjustment for bolt alignment while you are attaching parts together. After everything is square, tighten each joint.
- After the main unit is assembled it is critical that the floor is level and square. If the main frame is not level, the walls and floor will be out of square.
- After you complete installation, make sure every bolt, screw, and nut is tight, and every board is secure. Wood will expand and contract with the seasons.
- Place the set on level ground, not less than 6ft from any structure or obstruction such as a fence, garage, house, overhanging branches, laundry lines, or electrical wires.
- All 1/4" and 3/8" lag bolts must have pre-drilled holes 1-1/2" to 2" deep. Use a 1/8" drill bit for the 1/4" lag bolts and 1/4" drill bit for 3/8" lag bolts. Use pre-drilled holes in facias as a reference for placing lag bolt pilot holes.
- If a board lifts or rises causing a gap between boards when running in lag bolts or screws, back out the screw or lag bolt and press or apply pressure (but not enough to crack or break board) while re-running in the lag bolt or screw in the same hole.
- Do not over tighten bolts, lag bolts or screws. You can damage boards, break hardware, and/or strip out the hardware.
- When using hammer do not beat on the hardware, but gently tap it in. Never beat on the wood as it will leave marks.

Leveling Your Swing Set During Assembly

- Complete the steps which will be the basic frame of the fort {i.e. four corner posts with base (sand box boards) and deck supports}
- Position in the most level area chosen for the play set, keeping in mind the location and size of the swing beam, ladder, slides, etc. that extend off the fort.
- Once the frame is in the final position, check for vertical and horizontal levelness to determine which side(s) will need to be dug into the ground to level the play set.
- With a shovel, score the ground around the outside edges of the sandbox boards on the 'high' side of the fort. This is the area that will be dug in. Make sure to score deep enough; the scored lines will be your digging template.
- Push the frame off and away from the scored area, far enough to dig and remove dirt to reach the appropriate depth.
- Dig a channel along the scored line(s) for the base of the fort (corner post and sandbox boards) to rest into. Dig the channel(s) to the same level depth. The bottom of the channel(s) should be level to each other so your frame doesn't teeter or rock because the channel(s) are uneven.
- Once you have removed enough grass and dirt, slide/push the frame into the channel(s). Place a level on the vertical and horizontal boards of the frame to determine if enough soil, or too much, was removed.
- Repeat this process until the basic frame is plumb and level and in its final position before completing the rest of the assembly.
- Measure to make sure fort is square.

**** Important:** if you require a channel depth of more than 6",
then we recommend you have your play set area professionally graded before completing assembly. **

CONSUMER INFORMATION SHEET FOR PLAYGROUND SURFACING MATERIALS

The U.S. Consumer Product Safety Commission (CPSC) estimates that about 100,000 playground equipment related injuries resulting from falls to the ground surface are treated annually in U.S. hospital emergency rooms. Injuries involving this hazard pattern tend to be among the most serious of all playground injuries, and have the potential to be fatal, particularly when the injury is to the head. The surface under and around playground equipment can be a major factor in determining the injury-causing potential of a fall. It is self-evident that a fall onto a shock-absorbing surface is less likely to cause a serious injury than a fall onto a hard surface. However, it should be recognized that some injuries from falls will occur no matter what playground surfacing material is used.

Playground equipment should never be placed on hard surfaces such as concrete or asphalt. Grass may appear to be acceptable, but can turn to hard packed earth in areas of high traffic. Shredded bark mulch, wood chips, or fine gravel are considered to be acceptable shock absorbing surfaces when installed and maintained at a sufficient depth under and around play equipment.

TABLE 1 -CRITICAL HEIGHTS (in feet) OF TESTED MATERIAL

MATERIAL	UNCOMPRESSED DEPTH			COMPRESSED DEPTH
	6 Inch	9 Inch	12 Inch	9 inch
Wood Chips	7	10	11	10
Double Shredded Bark Mulch	6	10	11	7
Engineered Wood Fibers	6	7	>12	6
Fine Sand	5	5	9	5
Coarse Sand	5	5	6	4
Fine Gravel	6	7	10	6
Medium Gravel	5	5	6	5
Shredded Tires**	10-12	N/A	N/A	N/A

** This is data from tests conducted by independent testing laboratories on a 6 inch depth of uncompressed shredded tire samples produced by four manufacturers. The test reported critical heights, which varied from 10 feet to greater than 12 feet. It is recommended that persons seeking to install shredded tires as a protective surface request test data from the supplier showing the critical height of the material when it was tested in accordance with ASTM F1292.

Table 1 should be read as follows: If, for example, uncompressed wood chips are used at a minimum of 6 inches, the Critical Height is 7 feet. If 9 inches of uncompressed wood chips are used, the Critical Height is 10 feet. It should be noted that, for some materials, the Critical Height decreases when the material is compressed. It is recommended that a shock absorbing material should extend a minimum of 6 feet in all directions from the perimeter of stationary equipment such as climbers and slides. However, because children may deliberately jump from a moving swing, the shock absorbing material should extend in the front and rear of a swing a minimum distance of 2 times the height of the pivot point measured from a point directly beneath the pivot on the supporting structure.

This information is intended to assist in comparing the relative shock-absorbing properties of various materials. No particular material is recommended over another. However, each material is only effective when properly maintained. Materials should be checked periodically and replenished to maintain correct depth as determined necessary for your equipment. The choice of a material depends on the type and height of the playground equipment, the availability in your area, and its cost.

This information has been extracted from the CPSC publications "Playground Surfacing-Technical Information Guide" and "Handbook for Public Playground Safety." Copies of these reports can be obtained by sending a postcard to:

Office of Public Affairs
U.S. Consumer Product Safety Commission
Washington, D.C. 20207
Toll-free Hotline: 1-800-638-2772 or at <http://www.cpsc.gov>

Jaguar Playcenter- Base Lumber

Item No.	Part No.	Part Description	QTY.
JPB-1	JPB-1	43 7/8" ROCKWALL BOARD W/ ROPE HOLE	1
JPB-2	JPB-2	43 4/8" ROCKWALL BOARD- BLANK	5
JPB-3	JPB-3	43 7/8" ROCKWALL BOARD	8
JPB-4	JPB-4	27 1/2" RAIL SPINDLE	15
JPB-5	JPB-5	25" RAIL BOTTOM	6
JPB-6	JPB-6	25" RAIL TOP	3
JPB-7	JPB-7	30" ROPE RUNG	6
JPB-8	JPB-8	30" DECK RUNNERS	4
JPB-9	JPB-9	54" DECK BOARD-SLIM	8
JPB-10	JPB-10	60 3/4" CENTER TARP BOARD	1
JPB-11	JPB-11	67 1/2" TARP BOARD	2
JPB-12	JPB-12	30" DECK SUPPORT	2
JPB-13	JPB-13	54" DECK BOARD- FAT	6
JPB-14	JPB-14	11" ROPE BLOCK	1
JPB-15	JPB-15	19" LEFT GUSSET	5
JPB-16	JPB-16	19" RIGHT GUSSET	5
JPB-17	JPB-17	25" ENTRAPMENT BLOCK	1
JPB-18	JPB-18	38 7/8" CORNER POST	4
JPB-19	JPB-19	71 1/4" GROUND RUNNER	1
JPB-20	JPB-20	87 7/8" CENTER POST	2
JPB-21	JPB-21	105 3/4" UPPER ROPE ARM	1
JPB-22	JPB-22	105 3/4" TRAPEZE ARM	1
JPB-23	JPB-23	107 3/4" LOWER ROPE ARM	1
JPB-24	JPB-24	125" TOP JOIST	1
JPB-25	JPB-25	125" TOP JOIST W/ SWINGBEAM HOLES	1
JPB-26	JPB-26	16" LEFT GUSSET	2
JPB-27	JPB-27	16" RIGHT GUSSET	2
JPB-28	JPB-28	107" MAINBEAM	2

5.4 Jaguar Playcenter- Lumber

54JP-1	54JP-1	18 1/2" LADDER STEP	6
54JP-2	54JP-2	75" LEFT ROCKWALL LEG	1
54JP-3	54JP-3	75" RIGHT ROCKWALL LEG	1
54JP-4	54JP-4	75" CENTER STEP & PIPE LADDER LEG	1
54JP-5	54JP-5	LEFT STEP LADDER LEG	1
54JP-6	54JP-6	RIGHT PIPE LADDER LEG	1

5.4 Jaguar Playcenter- Swingbeam Lumber

Item No.	Part No.	Part Description	QTY.
54JSB-1	54JSB-1	7 5/8" CENTER A-FRAME BLOCK	1
54JSB-2	54JSB-2	12 7/8" A-FRAME BLOCK	1
54JSB-3	54JSB-3	12 7/8" A-FRAME BLOCK SINKED	1
54JSB-4	54JSB-4	12 7/8" A-FRAME CROSSMEMBER	1
54JSB-5	54JSB-5	120" A-FRAME LEG	2
54JSB-6	54JSB-6	132 5/8" 3 POSITION SWINGBEAM	1

Jaguar Playcenter- Standard Box Accessories

JBA-1	53-1-00012	21" X 63" CHAIN LADDER- YELLOW	1
JBA-2	54-2-00002	1 1/4" X 25" PLAYGRIP TUBE	1
JBA-3	54-2-00004	1 1/4" X 44" PLAYGRIP TUBE	1
JBA-4	56-1-00012	DUCTILE IRON SWING HANGER	6
JBA-5	57-2-00004	1 1/4" PLAYGRIP SAFETY HANDLE	4
JBA-6	57-2-00005	1 1/4" PLAYGRIP LADDER HANDLE	3
JBA-7	58-1-00009	SWINGBEAM T-BRACKET	1
JBA-8	58-1-00014	SWINGBEAM 45 DEGREE BRACKET	2
JBA-9	59-1-00008	TIRE SWING EYE BOLT	3
JBA-10	59-1-00011	SPRING CLIPS 10 X 100MM	9
JBA-11	33-1-00036	DISK SWING- YELLOW	1
JBA-12	37-1-00021	TELESCOPE	1

5.4 Jaguar Playcenter- Box A. Multicolor

5JAM-1	51-1-00031	43" PLASTISOL COATED CHAIN- YELLOW	3
5JAM-2	56-1-00015	TIRE SWIVEL	1
5JAM-3	36-1-00023	LARGE ROCK- MULTICOLOR	16
5JAM-4	37-1-00018	19" SHIP'S WHEEL- YELLOW	1
5JAM-5	60-1-00001	66" COATED CHAINED BELT SWING- BLUE	1
5JAM-6	60-1-00002	66" COATED CHAIN BELT SWING- RED	1
5JAM-7	60-1-00006	20" TRAPEZE BAR- YELLOW	1
5JAM-8	65-7-00017	14' YELLOW ROPE	2
5JAM-9	65-7-00019	17' YELLOW ROPE	3

5.4 Jaguar Playcenter- Box B. Green

Item No.	Part No.	Part Description	QTY.
5JAG-1	51-1-00031	43" PLASTISOL COATED CHAIN- YELLOW	3
5JAG-2	56-1-00015	TIRE SWIVEL	1
5JAG-3	36-1-00024	LARGE ROCK- GREEN	16
5JAG-4	37-1-00019	19" SHIP'S WHEEL- GREEN	1
5JAG-5	60-1-00004	66" CHAINED BELT SWING- GREEN	2
5JAG-6	60-1-00006	20" TRAPEZE BAR- YELLOW	1
5JAG-7	65-7-00017	14' YELLOW ROPE	2
5JAG-8	65-7-00019	17' YELLOW ROPE	3

Jaguar Playcenter- Base Hardware (JPB-101)

JPH-1	40-1-00001	3/8" ACORN NUT PLATED	4
JPH-2	40-1-00002	1/2" ACORN NUT PLATED	22
JPH-3	40-1-00012	1/2" X 4 1/2" CARRIAGE BOLT	2
JPH-4	40-1-00013	1/2" X 7" CARRIAGE BOLT	4
JPH-5	40-1-00022	2 1/2" COATED DECK SCREW	144
JPH-6	40-1-00028	1/2" HEX NUT	22
JPH-7	40-1-00043	3/8" X 5" HEX BOLT	4
JPH-8	40-1-00055	1/4" X 3" HEX LAG SCREW	12
JPH-9	40-1-00056	1/4" X 4 1/2" HEX LAG SCREW	20
JPH-10	40-1-00059	3/8" X 3 1/2" HEX LAG SCREW	28
JPH-11	40-1-00061	3/8" X 5" HEX LAG SCREW	8
JPH-12	40-1-00064	3/8" NYLON INSERT LOCKNUT	4
JPH-13	40-1-00070	#14 X 2" PAN PHILLIPS T/S	8
JPH-14	40-1-00073	3/8" SPLIT LOCKWASHER	4
JPH-15	40-1-00074	1/2" SPLIT LOCKWASHER	22
JPH-16	40-1-00081	1/4" USS FLATWASHER	40
JPH-17	40-1-00082	3/8" USS FLATWASHER	40
JPH-18	40-1-00083	1/2" USS FLATWASHER	23
JPH-19	40-1-00084	3/4" USS FLATWASHER	22
JPH-20	40-1-00090	1/2" X 6 1/2" CARRIAGE BOLT	16
JPH-21	41-1-00025	3/8" BOLT CUP	4

Rockwall Hardware (JPB-102)

RWH-1	40-1-00022	2 1/2" COATED DECK SCREW	56
RWH-2	40-1-00059	3/8" X3 1/2" HEX LAG SCREW	4
RWH-3	40-1-00061	3/8" X 5" HEX LAG SCREW	2
RWH-4	40-1-00066	1/4" X 1 1/4" PAN PHILLIPS M/S	32
RWH-5	40-1-00077	1/4" 4 PRONG T-NUT	32
RWH-6	40-1-00081	1/4" USS FLATWASHER	32
RWH-7	40-1-00082	3/8" USS FLATWASHER	6

Step/ Combo Ladder Hardware (JPB-103)

Item No.	Part No.	Part Description	QTY.
SCH-1	40-1-00056	1/4" X 4 1/2" HEX LAG SCREW	24
SCH-2	40-1-00059	3/8" X 3 1/2" HEX LAG SCREW	4
SCH-3	40-1-00061	3/8" X 5" HEX LAG SCREW	3
SCH-4	40-1-00070	#14 X 2" PAN PHILLIPS T/S	6
SCH-5	40-1-00081	1/4" USS FLATWASHER	30
SCH-6	40-1-00082	3/8" USS FLATWASHER	7
SCH-7	40-1-00111	2" METAL TAP SCREW	5

Swingbeam Hardware (JPB-104)

SBH-1	40-1-00001	3/8" ACORN NUT PLATED	10
SBH-2	40-1-00002	1/2" ACORN NUT PLATED	9
SBH-3	40-1-00011	1/2" X 3 1/2" CARRIAGE BOLT	2
SBH-4	40-1-00013	1/2" X 7" CARRIAGE BOLT	2
SBH-5	40-1-00026	3/8" HEX NUT	2
SBH-6	40-1-00028	1/2" HEX NUT	9
SBH-7	40-1-00061	3/8" X 5" HEX LAG SCREW	2
SBH-8	40-1-00064	3/8" NYLON INSERT LOCKNUT	8
SBH-9	40-1-00073	3/8" SPLIT LOCKWASHER	10
SBH-10	40-1-00074	1/2" SPLIT LOCKWASHER	9
SBH-11	40-1-00082	3/8" USS FLATWASHER	12
SBH-12	40-1-00083	1/2" USS FLATWASHER	10
SBH-13	40-1-00084	3/4" USS FLATWASHER	8
SBH-14	40-1-00097	3/8" X 10" HEX BOLT	2
SBH-15	40-1-00122	#14 X 1" PAN PHILLIPS T/S	2
SBH-16	40-1-00124	1/2" X 12" HEX BOLT	1
SBH-17	41-1-00025	3/8" BOLT CUP	10

Slide Hardware (JPB-105)

SLH-1	40-1-00070	#14 X 2" PAN PHILLIPS T/S	3
SLH-2	40-1-00081	1/4" USS FLATWASHER	3

5.4 Swingbeam Hardware (54JP-101)

5SB-1	40-1-00013	1/2" X 7" CARRIAGE BOLT	3
5SB-2	40-1-00014	1/2" X 9" CARRIAGE BOLT	1
5SB-3	40-1-00045	3/8" X 7" HEX BOLT	8

Jaguar Playcenter- Base Lumber

JPB-1

43 7/8" Rockwall Board w/ Rope
QTY. 1



JPB-2

43 7/8" Rockwall Board- Blank
QTY. 5



JPB-3

43 7/8" RW Board w/ Rock Holes
QTY. 8



JPB-4

27 1/2" Rail Spindle
QTY. 15



JPB-5

25" Rail Bottom
QTY. 6



JPB-6

25" Rail Top
QTY. 3



JPB-7

30" Rope Rung
QTY. 6



JPB-8

30" Deck Runners
QTY. 4



JPB-9

54" Small Deck Board
QTY. 8



Jaguar Playcenter- Base Lumber

JPB-10
60 3/4" Center Tarp Board
QTY. 1



JPB-11
67 1/2" Tarp Board
QTY. 2



JPB-12
30" Deck Supprt
QTY. 2



JPB-13
54" Large Deck Board
QTY. 6



JPB-14
11" Rope Block
QTY. 1



JPB-15
19" Left Gusset
QTY. 5



JPB-16
19" Right Gusset
QTY. 5



JPB-17
25" Entrapment Block
QTY. 1



JPB-18
38 7/8" Corner Post
QTY. 4



Jaguar Playcenter- Base Lumber

JPB-19
71 1/4" Ground Runner
QTY. 1



JPB-20
87 7/8" Center Post
QTY. 2



JPB-21
105 3/4" Upper Rope Arm
QTY. 1



JPB-22
105 3/4" Trapeze Arm
QTY. 1



JPB-23
107 3/4" Lower Rope Arm
QTY. 1



JPB-24
125" Top Joist
QTY. 1



JPB-25
125" SB Top Joist
QTY. 1



JPB-26
16" Left Gusser
QTY. 2



JPB-27
16" Right Gusser
QTY. 2



JPB-28
107" Main Beam
QTY. 2



5.4 Jaguar Playcenter Lumber

54JP-1
18 1/2" Ladder Step
QTY. 6



54JP-2
75" Left Rockwall Leg
QTY. 1



54JP-3
75" Right Rockwall Leg
QTY. 1



54JP-4
75" Center Step & Pipe Ladder Leg
QTY. 1



54JP-5
75" Left Step Ladder Leg
QTY. 1



54JP-6
75" Right Pipe Ladder Leg
QTY. 1



5.4 Jaguar Playcenter Swingbeam Lumber

54JSB-1

7 5/8" Center A-Frame Block
QTY. 1



54JSB-2

12 7/8" A-Frame Block
QTY. 1



54JSB-3

12 7/8" A-Frame Block Sunked
QTY. 1



54JSB-4

72" A-Frame Crossmember
QTY. 1



54JSB-5

120" A-Frame Leg
QTY. 2



54JSB-6

132 5/8" 3 Position Swingbeam
QTY. 1



JAGUAR PLAYCENTER BASE HARDWARE BAG (JPB-101)

INSTALLER NOTE: (YOU MUST ASSEMBLE THIS PRODUCT IN ACCORDANCE WITH THESE ASSEMBLY INSTRUCTIONS. WHEN COMPLETE GIVE MANUAL TO OWNER.)

JPH-1

40-1-00001

3/8" Acorn Nut Plated

QTY. 4



JPH-2

40-1-00002

1/2" Acorn Nut Plated

QTY. 22



JPH-3

40-1-00012

1/2" x 4 1/2" Carriage Bolt

QTY. 2



JPH-4

40-1-00013

1/2" x 7" Carriage Bolt

QTY. 4



JPH-5

40-1-00022

2 1/2" Coated Deck Screw

QTY. 4



JPH-6

40-1-00028

1/2" Hex Nut

QTY. 22



JPH-7

40-1-00043

3/8" x 5" Hex Bolt

QTY. 4



MEASUREMENT TAKEN FROM BOTTOM OF BOLT HEAD TO THE BOTTOM OF BOLT



USE THE RULER TO MEASURE YOUR BOLTS AND SCREWS. HARDWARE VIEWS SHOWN ABOVE ARE 1:1 SCALE AND CAN BE USED TO MATCH HARDWARE SIZES.

JAGUAR PLAYCENTER BASE HARDWARE BAG (JPB-101)

INSTALLER NOTE: (YOU MUST ASSEMBLE THIS PRODUCT IN ACCORDANCE WITH THESE ASSEMBLY INSTRUCTIONS. WHEN COMPLETE GIVE MANUAL TO OWNER.)

JPH-8

40-1-00055

1/4" x 3" Hex Lag Screw

QTY. 12



JPH-9

40-1-00056

1/4" x 4 1/2" Hex Lag Screw

QTY. 20



JPH-10

40-1-00059

3/8" x 3 1/2" Hex Lag Screw

QTY. 28



JPH-11

40-1-00061

3/8" x 5" Hex Lag Screw

QTY. 8



JPH-12

40-1-00064

3/8" Nylon Insert Locknut

QTY. 4



JPH-13

40-1-00070

#14 x 2" Pan Phillips T/S

QTY. 8



JPH-14

40-1-00073

3/8" Split Lockwasher

QTY. 4



JPH-15

40-1-00074

1/2" Split Lockwasher

QTY. 22



MEASUREMENT TAKEN FROM BOTTOM OF BOLT HEAD TO THE BOTTOM OF BOLT



USE THE RULER TO MEASURE YOUR BOLTS AND SCREWS. HARDWARE VIEWS SHOWN ABOVE ARE 1:1 SCALE AND CAN BE USED TO MATCH HARDWARE SIZES.

JAGUAR PLAYCENTER BASE HARDWARE BAG (JPB-101)

INSTALLER NOTE: (YOU MUST ASSEMBLE THIS PRODUCT IN ACCORDANCE WITH THESE ASSEMBLY INSTRUCTIONS. WHEN COMPLETE GIVE MANUAL TO OWNER.)

JPH-16

40-1-00081

1/4" USS Flatwasher

QTY. 40



JPH-21

41-1-000025

3/8" Bolt Cup

QTY. 4



JPH-17

40-1-00082

3/8" USS Flatwasher

QTY. 40

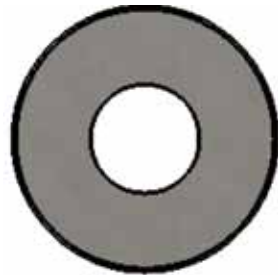


JPH-18

40-1-00083

1/2" USS Flatwasher

QTY. 23

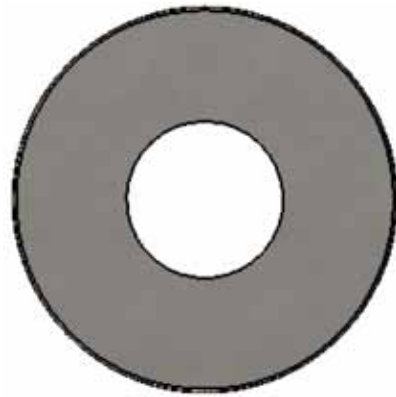


JPH-19

40-1-00084

3/4" USS Flatwasher

QTY. 22



JPH-20

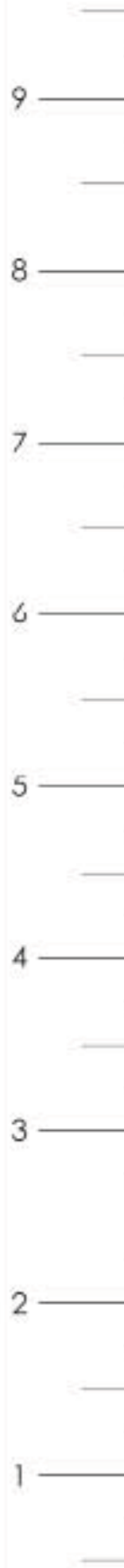
40-1-00090

1/2" x 6 1/2" Carriage Bolt

QTY. 16



MEASUREMENT TAKEN FROM BOTTOM OF BOLT HEAD TO THE BOTTOM OF BOLT



USE THE RULER TO MEASURE YOUR BOLTS AND SCREWS. HARDWARE VIEWS SHOWN ABOVE ARE 1:1 SCALE AND CAN BE USED TO MATCH HARDWARE SIZES.

JAGUAR PLAYCENTER ROCKWALL HARDWARE BAG (JPB-102)

INSTALLER NOTE: (YOU MUST ASSEMBLE THIS PRODUCT IN ACCORDANCE WITH THESE ASSEMBLY INSTRUCTIONS. WHEN COMPLETE GIVE MANUAL TO OWNER.)

RWH-1
40-1-00022
2 1/2" Coated Deck Screw
QTY. 56



RWH-2
40-1-00059
3/8" x 3 1/2" Hex Lag Screw
QTY. 4



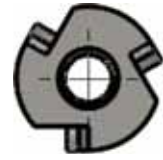
RWH-3
40-1-00061
3/8" x 5" Hex Lag Screw
QTY. 2



RWH-4
40-1-00066
1/4" x 1 1/4" Pan Phillips M/S
QTY. 32



RWH-5
40-1-00077
1/4" 4 Prong T-Nut
QTY. 32



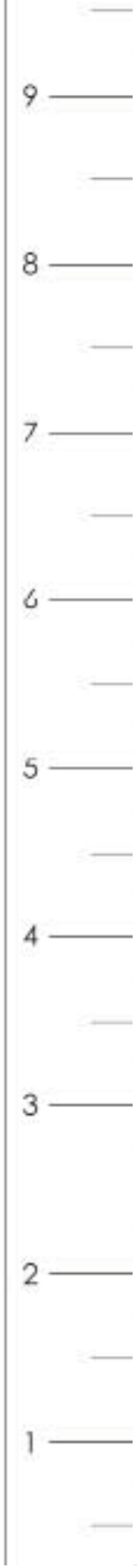
RWH-6
40-1-00081
1/4" USS Flatwasher
QTY. 32



RWH-7
40-1-00082
3/8" USS Flatwasher
QTY. 6



MEASUREMENT TAKEN FROM BOTTOM OF BOLT HEAD TO THE BOTTOM OF BOLT



USE THE RULER TO MEASURE YOUR BOLTS AND SCREWS. HARDWARE VIEWS SHOWN ABOVE ARE 1:1 SCALE AND CAN BE USED TO MATCH HARDWARE SIZES.

JAGUAR PLAYCENTER STEP/ COMBO LADDER HARDWARE BAG (JPB-103)

INSTALLER NOTE: (YOU MUST ASSEMBLE THIS PRODUCT IN ACCORDANCE WITH THESE ASSEMBLY INSTRUCTIONS. WHEN COMPLETE GIVE MANUAL TO OWNER.)



SCH-1
40-1-00056
1/4" x 4 1/2" Hex Lag Screw
QTY. 24



SCH-2
40-1-00059
3/8" x 3 1/2" Hex Lag Screw
QTY. 4

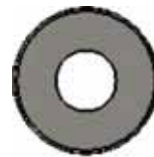


SCH-3
40-1-00056
3/8" x 5" Hex Lag Screw
QTY. 3

SCH-4
40-1-00070
#14 x 2" Pan Phillips T/S
QTY. 6



SCH-5
40-1-00081
1/4" USS Flatwasher
QTY. 30



SCH-6
40-1-00083
3/8" USS Flatwasher
QTY. 7



SCH-7
40-1-00111
2" Metal Tap Screw
QTY. 5



MEASUREMENT TAKEN FROM BOTTOM OF BOLT HEAD TO THE BOTTOM OF BOLT



USE THE RULER TO MEASURE YOUR BOLTS AND SCREWS. HARDWARE VIEWS SHOWN ABOVE ARE 1:1 SCALE AND CAN BE USED TO MATCH HARDWARE SIZES.

JAGUAR PLAYCENTER SWINGBEAM HARDWARE BAG (JPB-104)

INSTALLER NOTE: (YOU MUST ASSEMBLE THIS PRODUCT IN ACCORDANCE WITH THESE ASSEMBLY INSTRUCTIONS. WHEN COMPLETE GIVE MANUAL TO OWNER.)

SBH-1
40-1-00001
3/8" Acorn Nut
QTY. 10



SBH-2
40-1-00002
1/2" Acorn Nut
QTY. 9



SBH-3
40-1-00011
1/2" x 3 1/2" Carriage Bolt
QTY. 2



SBH-4
40-1-00013
1/2" x 7" Carriage Bolt
QTY. 2



SBH-5
40-1-00026
3/8" Hex Nut
QTY. 2



SBH-6
40-1-00028
1/2" Hex Nut
QTY. 9



SBH-7
40-1-00061
3/8" x 5" Hex Lag Screw
QTY. 2



MEASUREMENT TAKEN FROM BOTTOM OF BOLT HEAD TO THE BOTTOM OF BOLT



USE THE RULER TO MEASURE YOUR BOLTS AND SCREWS. HARDWARE VIEWS SHOWN ABOVE ARE 1:1 SCALE AND CAN BE USED TO MATCH HARDWARE SIZES.

JAGUAR PLAYCENTER SWINGBEAM HARDWARE BAG (JPB-104)

INSTALLER NOTE: (YOU MUST ASSEMBLE THIS PRODUCT IN ACCORDANCE WITH THESE ASSEMBLY INSTRUCTIONS. WHEN COMPLETE GIVE MANUAL TO OWNER.)

SBH-8 40-1-00064 3/8" Nylon Insert Locknut QTY. 8	SBH-9 40-1-00073 3/8" Split Lockwasher QTY. 10	SBH-10 40-1-00074 1/2" Split Lockwasher QTY. 9	SBH-11 40-1-00082 3/8" USS Flatwasher QTY. 12	SBH-12 40-1-00083 1/2" USS Flatwasher QTY. 10
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SBH-13
40-1-00084
3/4" USS Flatwasher
QTY. 8



SBH-15
40-1-00122
#14 x 1" Pan Phillips T/S
QTY. 2



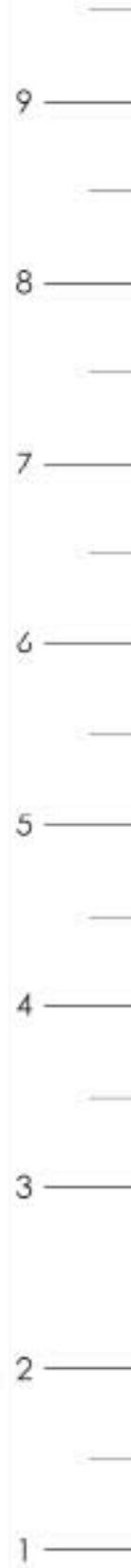
SBH-17
41-1-00025
3/8" Bolt Cup
QTY. 10



SBH-14
40-1-00097
3/8" x 10" Hex Bolt
QTY. 2



MEASUREMENT TAKEN FROM BOTTOM OF BOLT HEAD TO THE BOTTOM OF BOLT



USE THE RULER TO MEASURE YOUR BOLTS AND SCREWS. HARDWARE VIEWS SHOWN ABOVE ARE 1:1 SCALE AND CAN BE USED TO MATCH HARDWARE SIZES.

JAGUAR PLAYCENTER SWINGBEAM HARDWARE BAG (JPB-104)

INSTALLER NOTE: (YOU MUST ASSEMBLE THIS PRODUCT IN ACCORDANCE WITH THESE ASSEMBLY INSTRUCTIONS. WHEN COMPLETE GIVE MANUAL TO OWNER.)



SBH-16
40-1-00124
1/2" x 12" Hex Bolt
QTY. 1

5.4 JAGUAR FORT SWINGBEAM HARDWARE BAG (54JP-101)

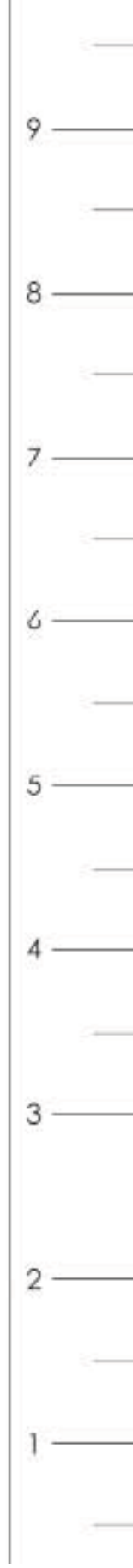


5SB-1
40-1-00013
1/2" x 7" Carriage Bolt
QTY. 3



5SB-2
40-1-0014
1/2" x 9" Carriage Bolt
QTY. 1

MEASUREMENT TAKEN FROM BOTTOM OF BOLT HEAD TO THE BOTTOM OF BOLT



USE THE RULER TO MEASURE YOUR BOLTS AND SCREWS. HARDWARE VIEWS SHOWN ABOVE ARE 1:1 SCALE AND CAN BE USED TO MATCH HARDWARE SIZES.

5.4 JAGUAR PLAYCENTER SWINGBEAM HARDWARE BAG (54JP-101)

INSTALLER NOTE: (YOU MUST ASSEMBLE THIS PRODUCT IN ACCORDANCE WITH THESE ASSEMBLY INSTRUCTIONS. WHEN COMPLETE GIVE MANUAL TO OWNER.)



5SB-3
40-1-00045
3/8" x 7" Hex Bolt
QTY. 8

JAGUAR FORT SLIDE HARDWARE BAG (JPB-106)

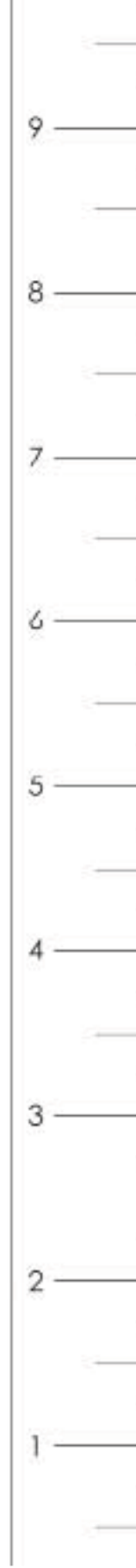
SLH-1
40-1-00070
#14 x 2" Pan Phillips T/S
QTY. 3



SLH-2
40-1-00081
1/4" USS Flatwasher
QTY. 3



MEASUREMENT TAKEN FROM BOTTOM OF BOLT HEAD TO THE BOTTOM OF BOLT



USE THE RULER TO MEASURE YOUR BOLTS AND SCREWS. HARDWARE VIEWS SHOWN ABOVE ARE 1:1 SCALE AND CAN BE USED TO MATCH HARDWARE SIZES.

Jaguar Playcenter- Standard Box Accessories

JBA-1

53-1-00012

21" x 63" Chain Ladder- Yellow
QTY. 1



JBA-2

54-2-00002

1 1/4" x 25" Playgrip Tube
QTY. 1



JBA-3

54-2-00004

1 1/4" x 44" Playgrip Tube
QTY. 1



JBA-4

56-1-00012

Ductile Iron Swing Hanger
QTY. 6



JBA-5

57-2-00004

1 1/4" Playgrip Safety Handle
QTY. 4



JBA-6

57-2-00005

1 1/4" Playgrip Ladder Handle
QTY. 3



JBA-7

58-1-00009

Swingbeam T-Bracket
QTY. 1



JBA-8

58-1-00014

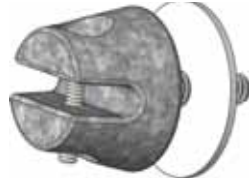
Swingbeam 45 Bracket
QTY. 2



JBA-9

59-1-00008

Tire Swing Eye Bolt
QTY. 3



JBA-10

59-1-00011

10 x 100mm Spring Clip
QTY. 9



JBA-11

33-1-00036

Disk Swing
QTY. 1



JBA-12

37-1-00021

Telescope
QTY. 1



5.4 Jaguar Playcenter Box A. Multicolor

5JAM-1
51-1-00031
43" Platisol Coated Chain
QTY. 3



5JAM-2
56-1-00015
Tire Swivel
QTY. 1



5JAM-3
36-1-00023
Rocks- Multicolor
QTY. 16



5JAM-4
37-1-00018
19" Ship's Wheel- Yellow
QTY. 1



5JAM-5
60-1-00001
66" Chained Belt Swing- Blue
QTY. 1



5JAM-6
60-1-00002
66" Chained Belt Swing- Red
QTY. 1



5JAM-7
60-1-00006
20" Trapeze Bar- Yellow
QTY. 1



5JAM-8
65-7-00017
14' Yellow Rope
QTY. 2



5JAM-9
65-7-00019
17' Yellow Rope
QTY. 3



5.4 Jaguar Playcenter Box B. Green

5JAG-1

51-1-00031

43" Platisol Coated Chain

QTY. 3



5JAG-2

56-1-00015

Tire Swivel

QTY. 1



5JAG-3

36-1-00024

Rocks- Green

QTY. 16



5JAG-4

37-1-00019

19" Ship's Wheel- Green

QTY. 1



5JAG-5

60-1-00004

66" Chained Belt Swing- Green

QTY. 2



5JAG-8

65-7-00017

14' Yellow Rope

QTY. 2



5JAG-9

65-7-00019

17' Yellow Rope

QTY. 3

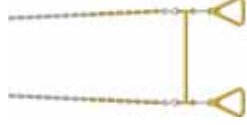


5JAG-7

60-1-00006

20" Trapeze Bar- Yellow

QTY. 1



JAGUAR PLAYCENTER MAIN SUB ASSEMBLIES_(ROCKWALL BOARD & DECK)

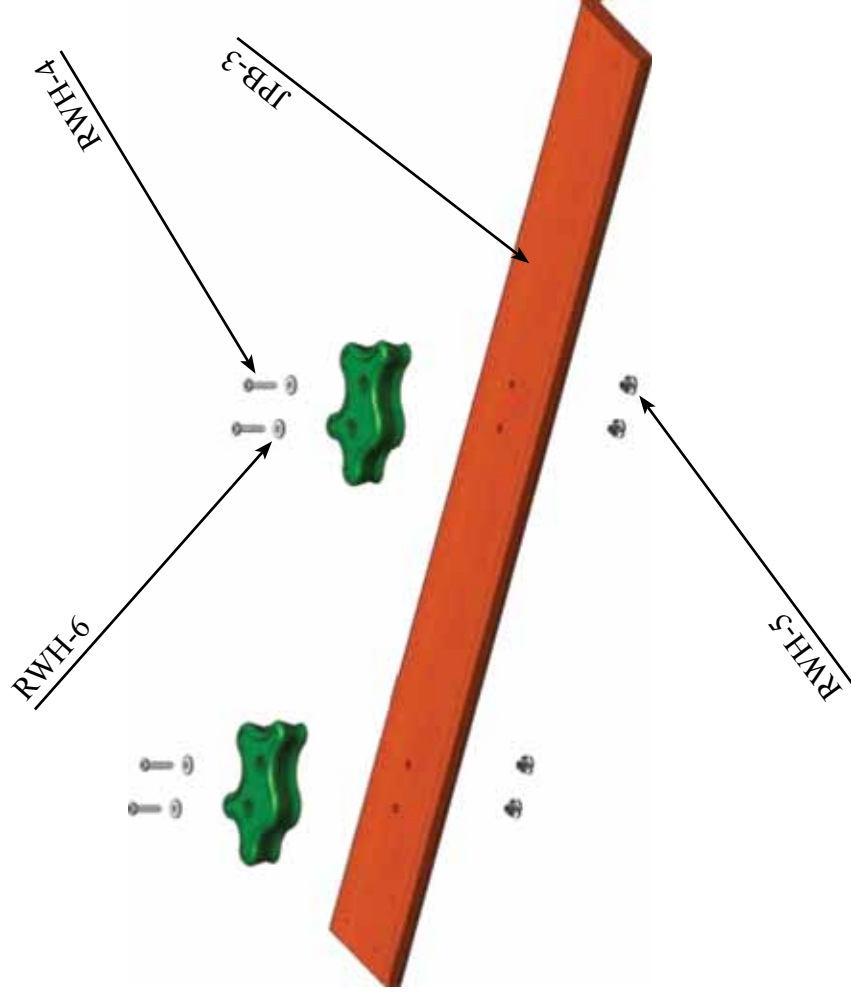
PARTS NEEDED

- JPB-3- Rockwall Board w/ Rock Holes- (8)
- JPB-13- Large Deck Board- (6)
- JPB-9- Small Deck Board- (8)
- JPB-8- Deck Runners- (4)
- JPB-12- Deck Support- (2)

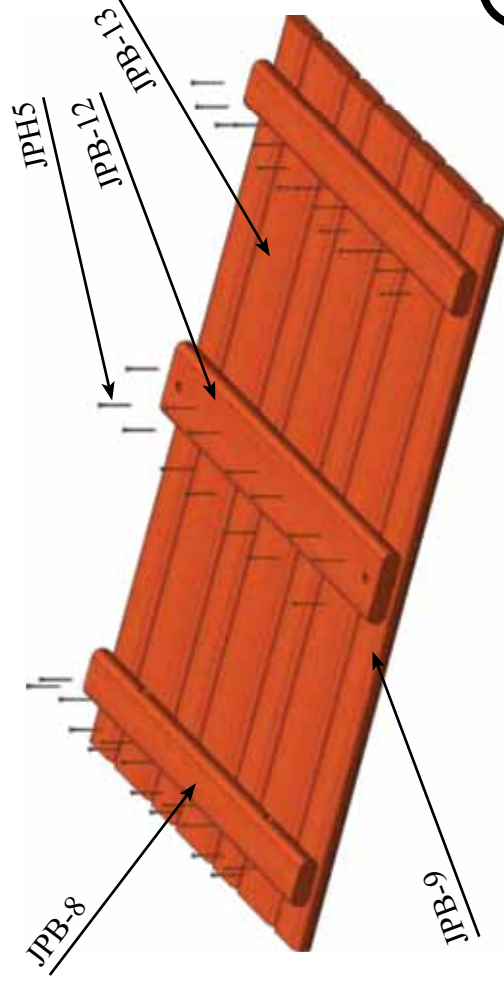
HARDWARE NEEDED

- RWH-4- 1/4" x 1 1/4" Pan Phillips M/S- (32)
- RWH-6- 1/4" USS FLatwasher- (32)
- RWH-5- 1/4" 4 Prong T-Nut- (84)
- JPB-5- 2 1/2" Coated Deck Screw- (84)

For the 6.4 & 7.4 Boards use the Rockwall Hardware Lists 64RW & 74RW



Make 2 of These. There is a 1/8" Gap between each Deck Board



MAIN SUB ASSEMBLIES (RAILS)

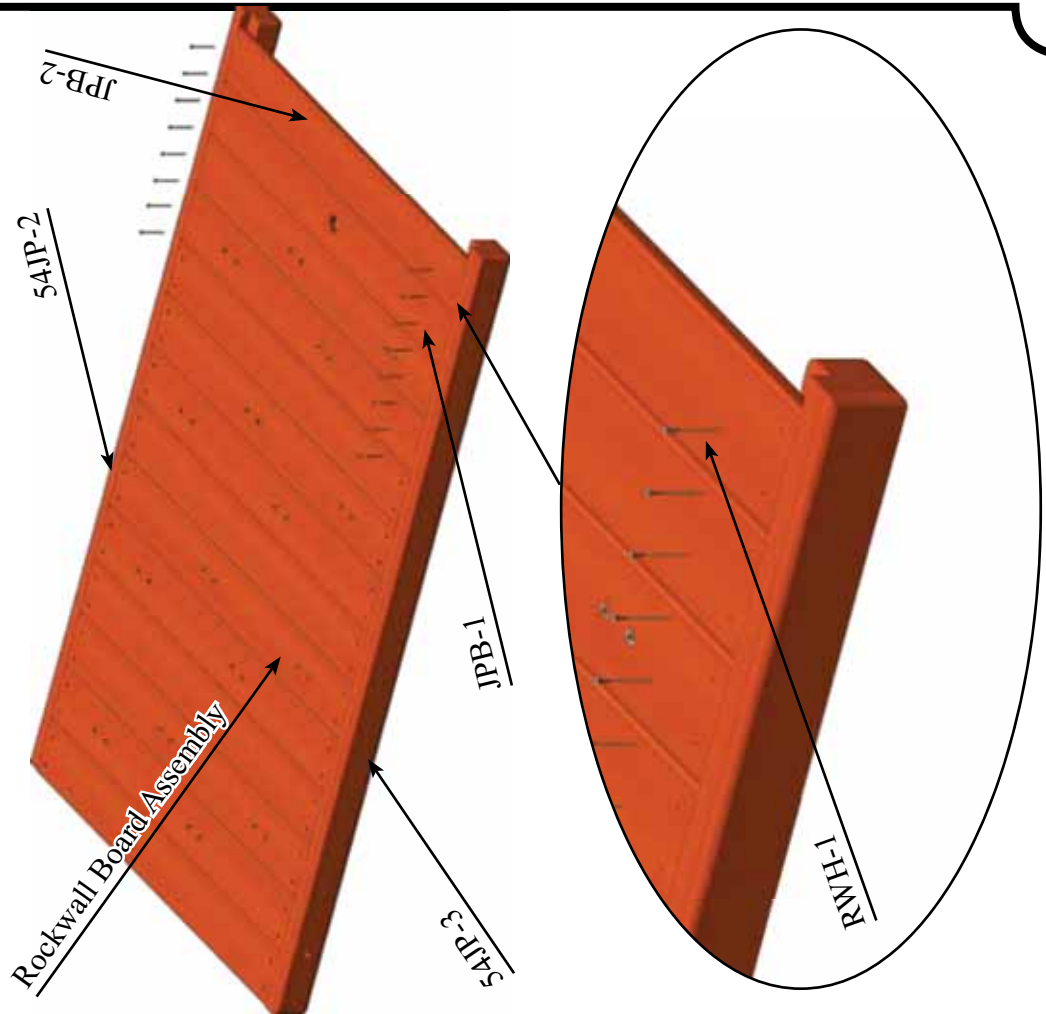
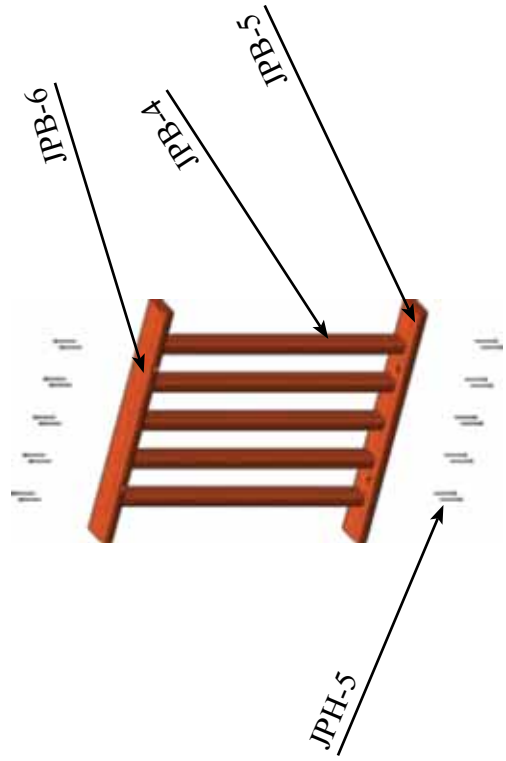
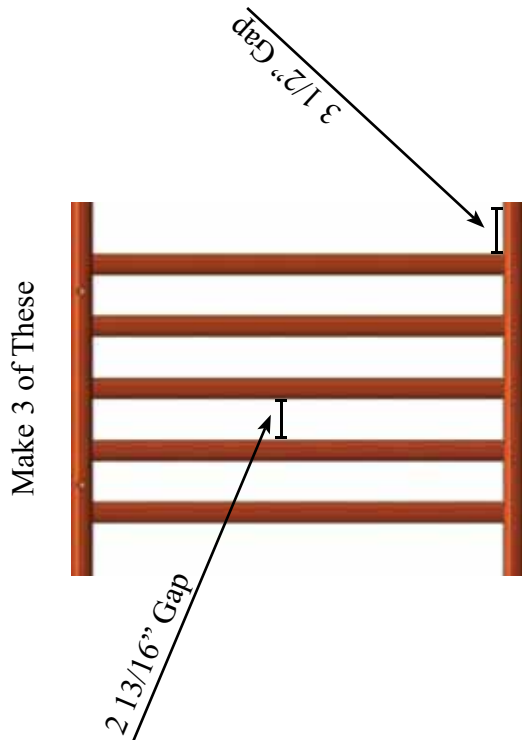
5.4 SUB ASSEMBLIES (ROCKWALL)

PARTS NEEDED

HARDWARE NEEDED

JPB-4- Rail Spindle-	(15)	JPB-6- Rail Top-	(3)
JPB-5- Rail Bottom-	(3)	JPB-2- Rockwall Board Blank-	(5)
JPB-1- Rockwall Board w/ Rope Hole-	(1)	Rockwall Board Assembly-	(8)

JPB-5- 2 1/2" Coated Deck Screw-	(60)
RWH-1- 2 1/2" Coated Deck Screw-	(56)



5.4 SUB ASSEMBLIES (ROCKWALL)

PARTS NEEDED

JPB-19- Ground Runner-
JPB-15- Left Gusset-
JPB-16- Right Gusset-

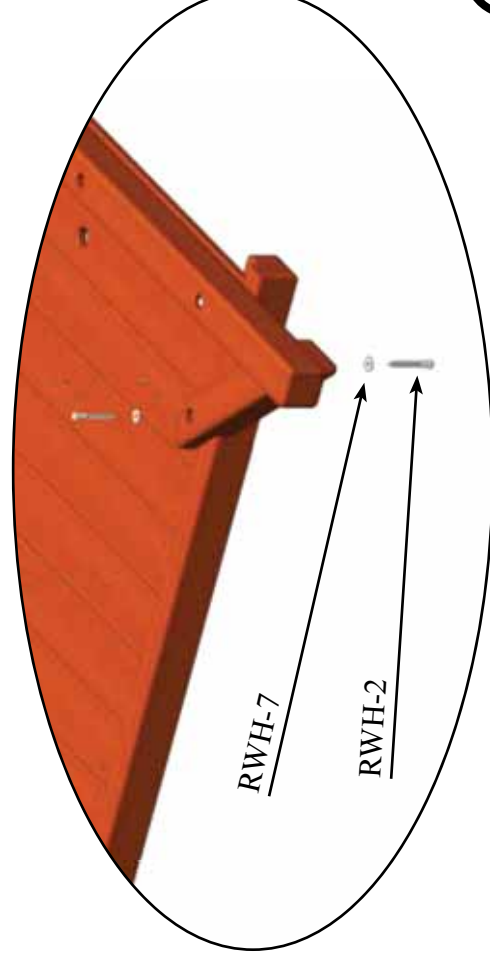
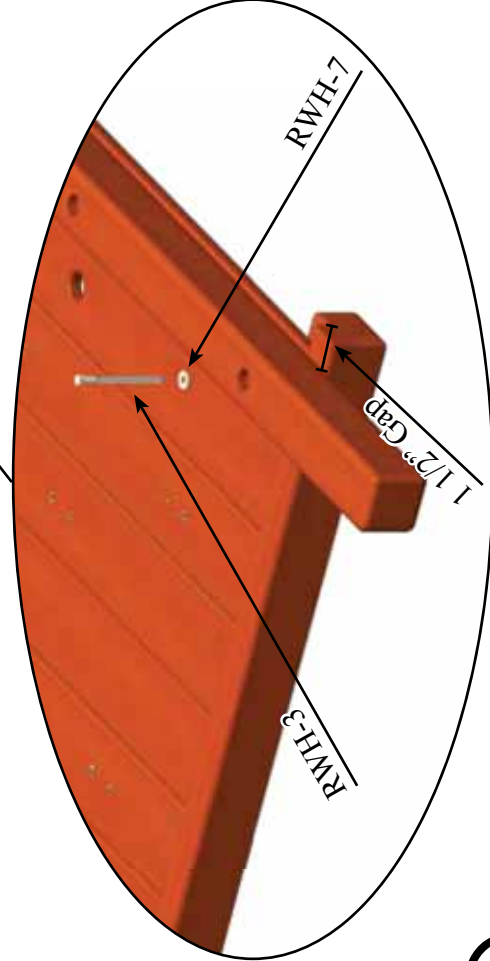
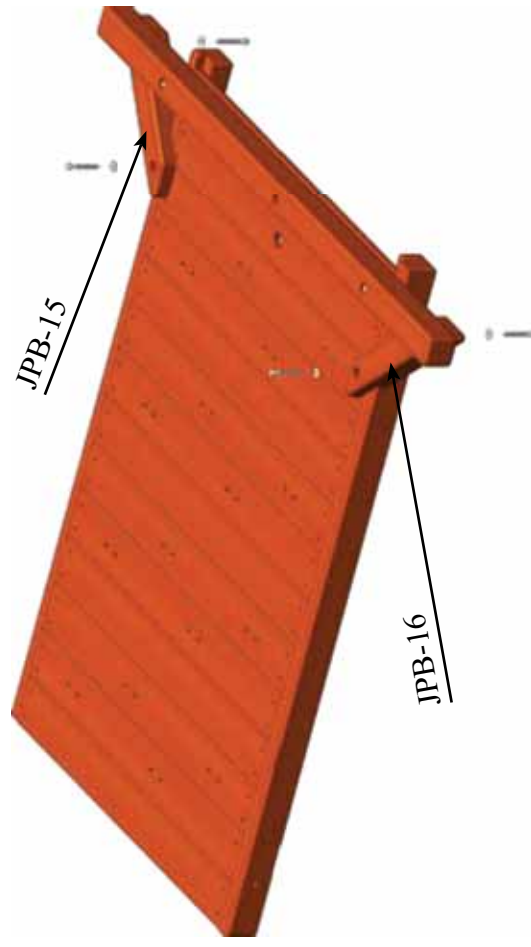
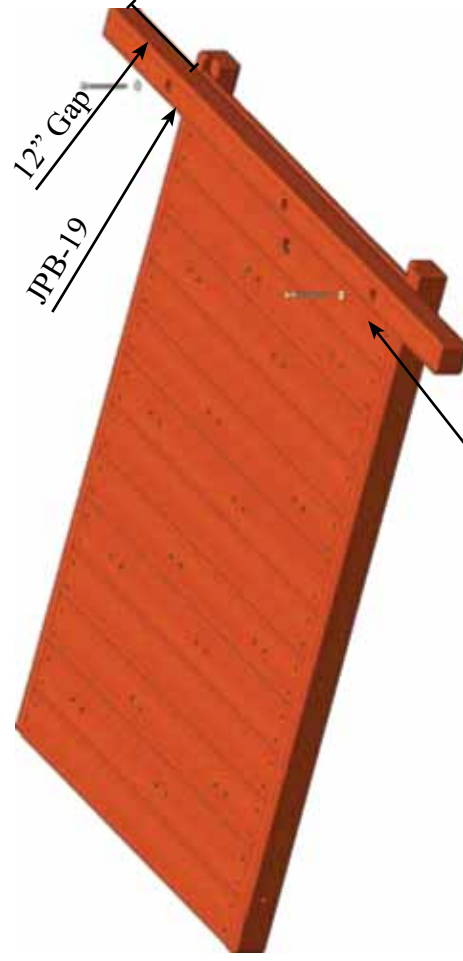
(1)
(1)
(1)

HARDWARE NEEDED

RWH-3- 3/8" x 5" Hex Lag Screw-
RWH-7- 3/8" USS Flatwasher-
RWH-2- 3/8" x 3 1/2" Hex Lag Screw-

(2)
(6)
(4)

There is a 12" Gap from the end of ground runner to the Rockwall Leg



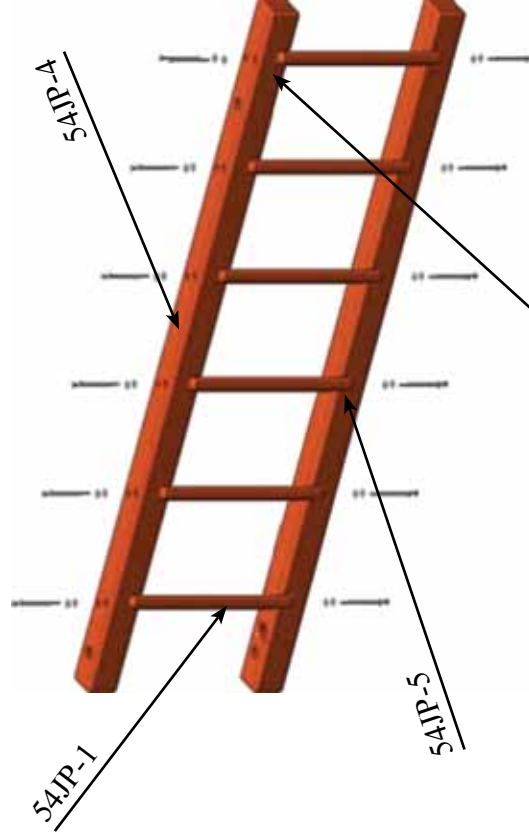
5.4 SUB ASSEMBLIES (COMBO LADDER)

PARTS NEEDED

54JP-1- Step- (6)
54JP-4- Center Pipe/ Step Ladder- (1)
54JP-5- Left Step Ladder Leg- (1)

HARDWARE NEEDED

SCH-1- 1/4" x 4 1/2" Hex Lag Screw- (24)
SCH-5- 1/4" USS Flatwasher- (24)
JBA-2- 1 1/4" x 25" Playgrip Tube- (1)
JBA-3- 1 1/4" x 44" Playgrip Tube- (1)

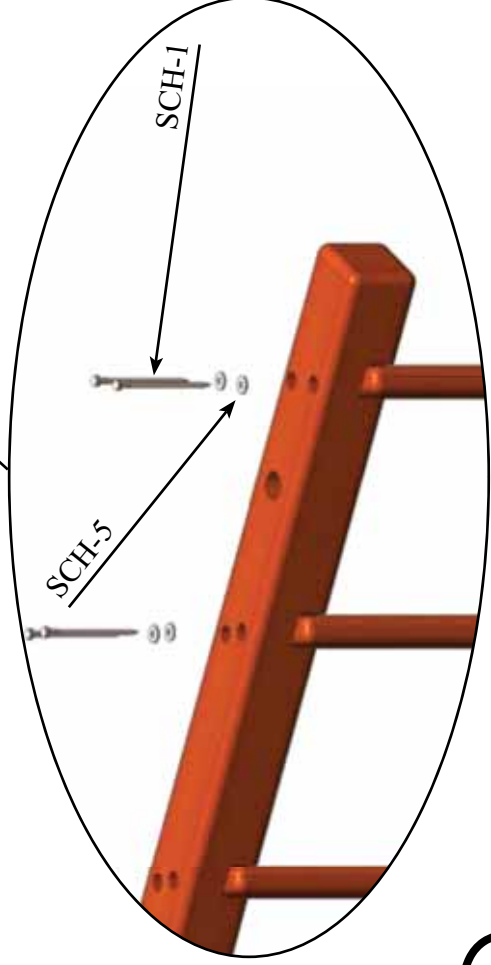


Knock down the pipes into the pipe holes using a mallet.



JBA-3

JBA-2



5.4 SUB ASSEMBLIES (COMBO LADDER)

PARTS NEEDED

54JP-6- Right Pipe Ladder Leg-

(1)

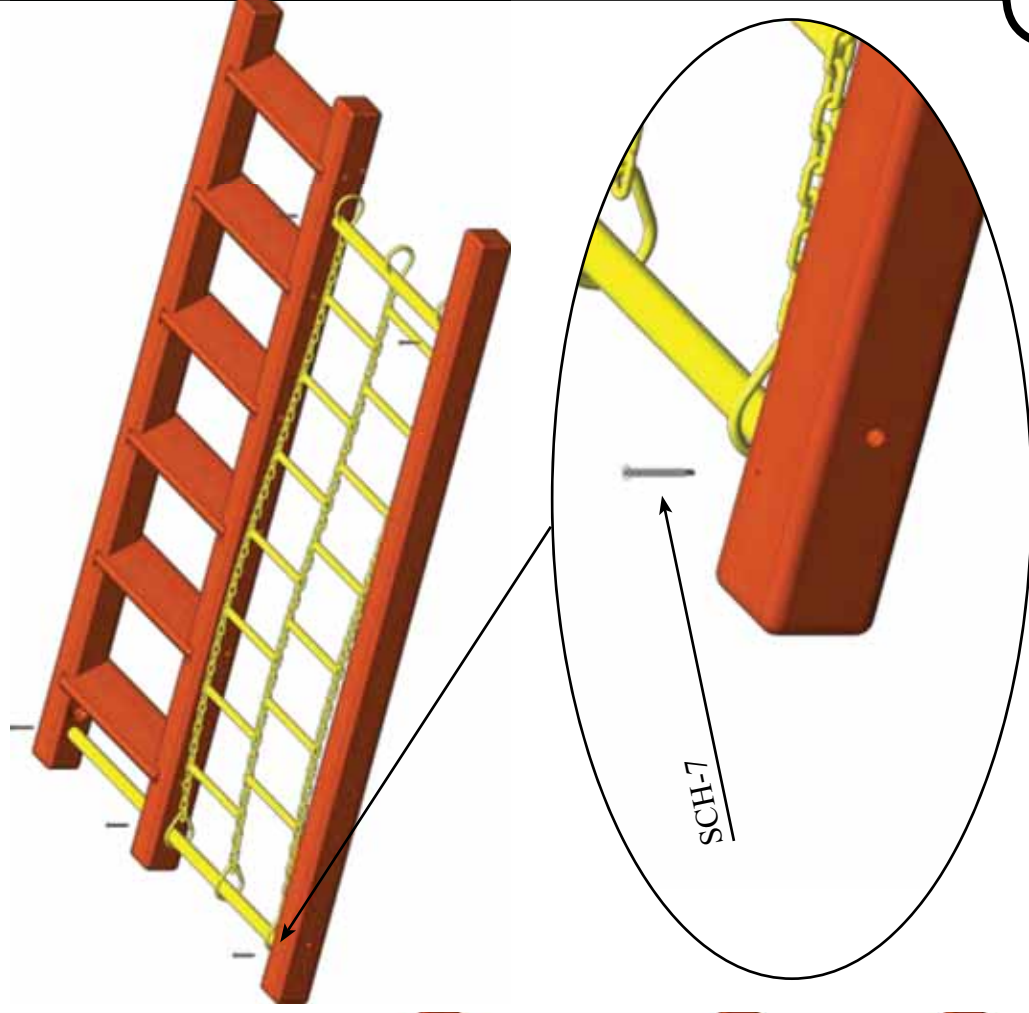
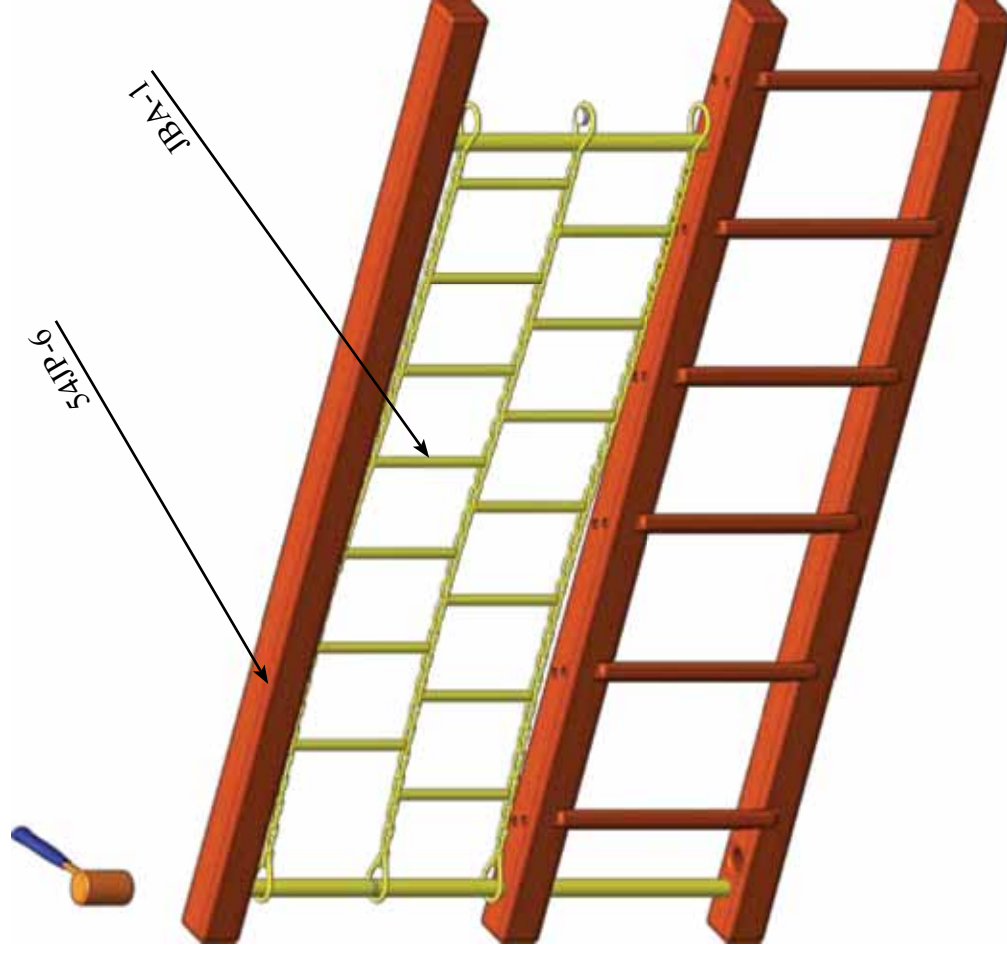
HARDWARE NEEDED

JBA-1- 21" x 63" Chain Ladder-

(1)

SCH-7- 2" Metal Tap Screw-

(5)



5.4 SUB ASSEMBLIES (COMBO LADDER)

PARTS NEEDED

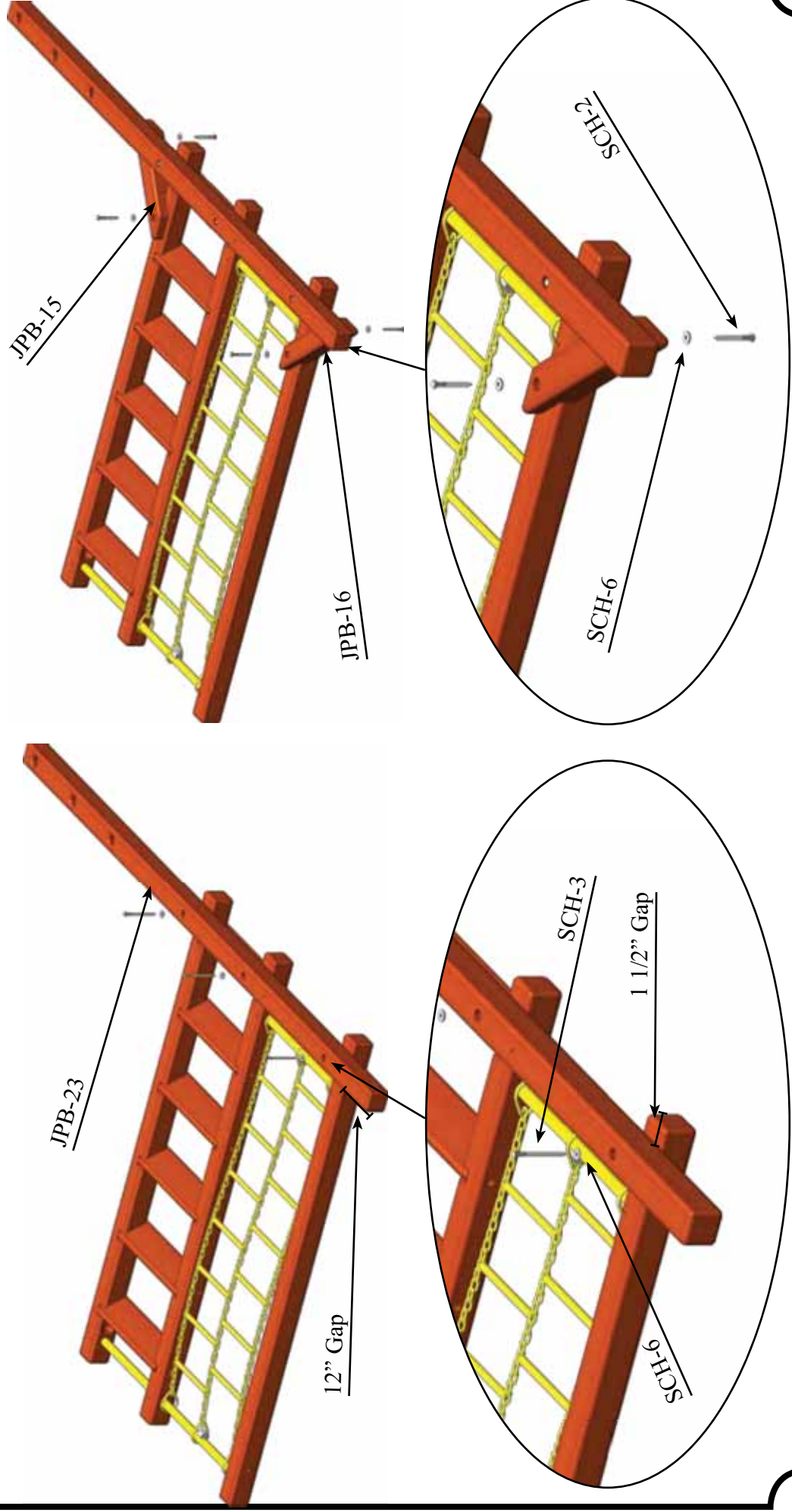
JPB-23- Lower Rope Arm-
JPB-15- Left Gusset-
JPB-16- Right Gusset-

(1)
(1)
(1)

HARDWARE NEEDED

SCH-6- 3/8" USS Flatwasher-
SCH-3- 3/8" x 5" Hex lag Screw-
SCH-2- 3/8" x 3 1/2" Hex Lag Screw-

(7)
(3)
(4)



Main Assembly

PARTS NEEDED

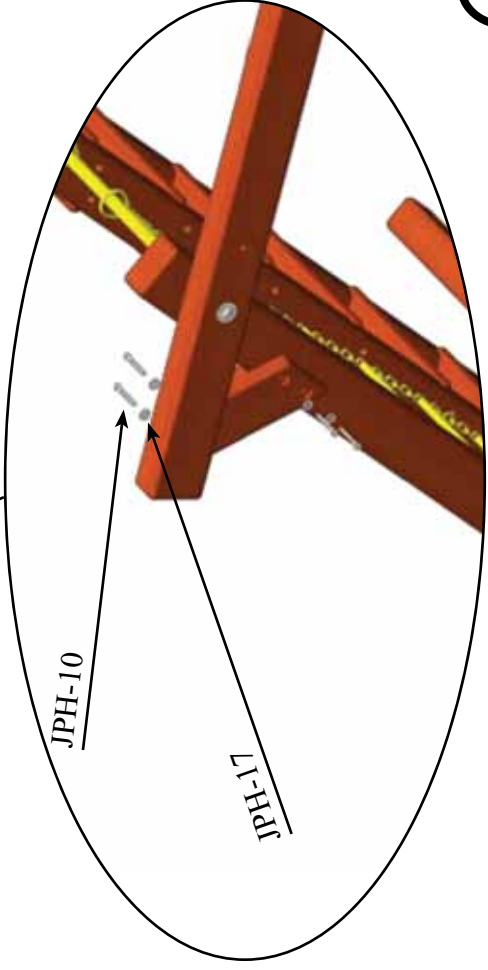
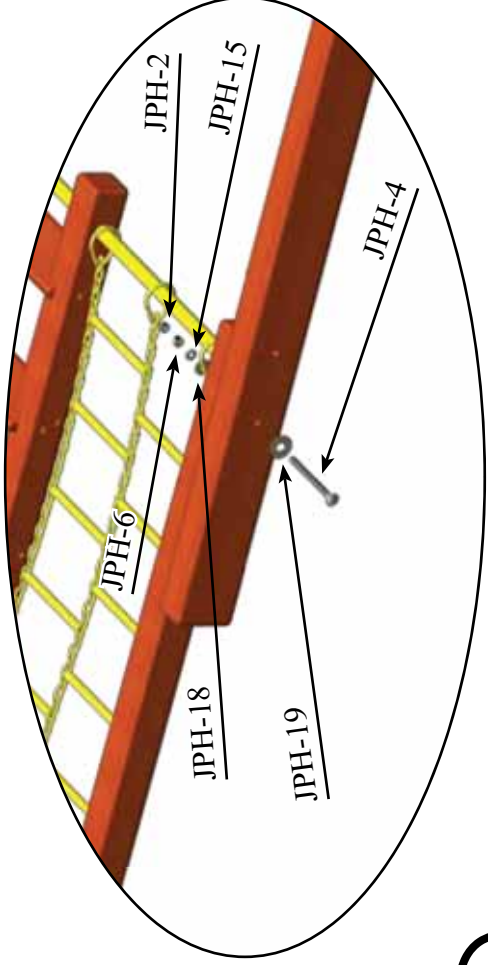
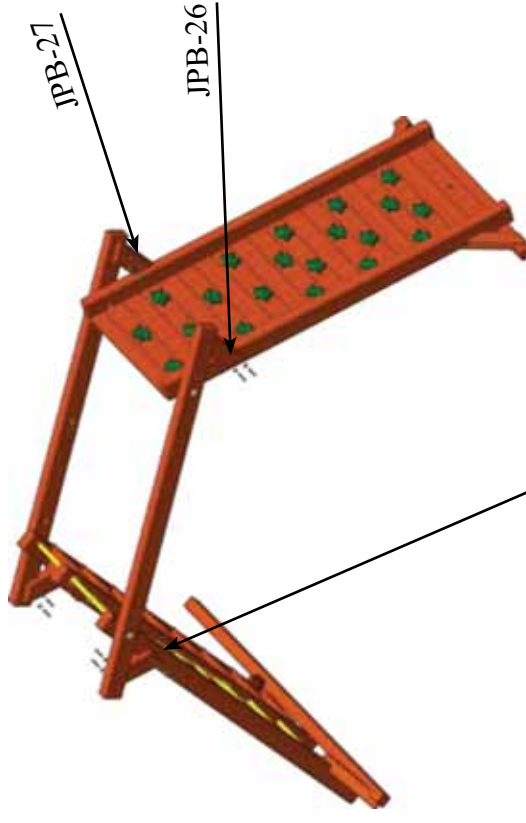
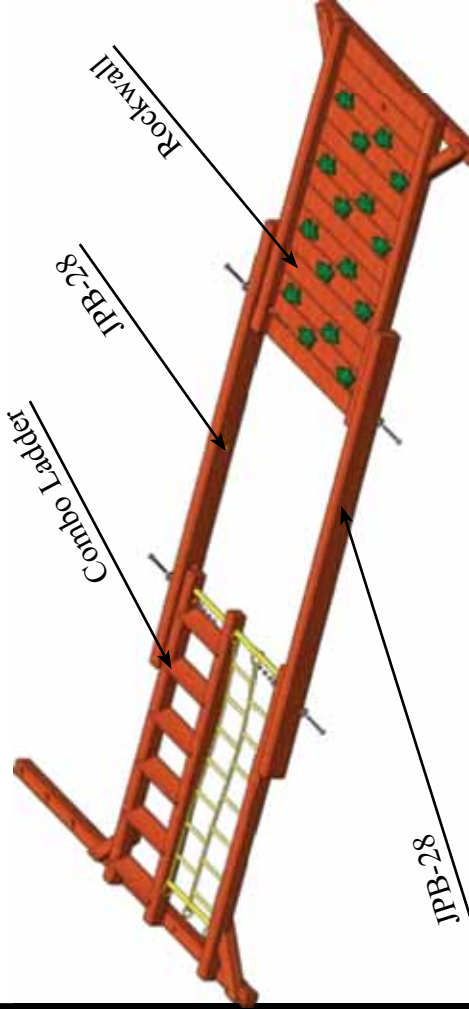
JPB-28- Main Beam-
JPB-26- Left Gusset-
JPB-27- Right Gusset-
Rockwall Assembly-
Combo Ladder-

$$\begin{matrix} (2) & (2) & (2) & (1) & (1) \end{matrix}$$

HARDWARE NEEDED

(4) JPH-2- 1/2" Acom Nut-
(4) JPH-15- 1/2" Split Lockwasher-
(4) JPH-19- 3/4" USS Flatwasher-
(4) JPH-10- 3/8" x 3 1/2" Hex Lag Screw-
JPH-17- 3/8" USS Flatwasher-

(4) JPH-6- 1/2" Hex Nut-
(4) JPH-18- 1/2" USS Flatwasher-
(4) JPH-4- 1/2" x 7" Carriage Bolt-
(16)
(16)



Main Assembly

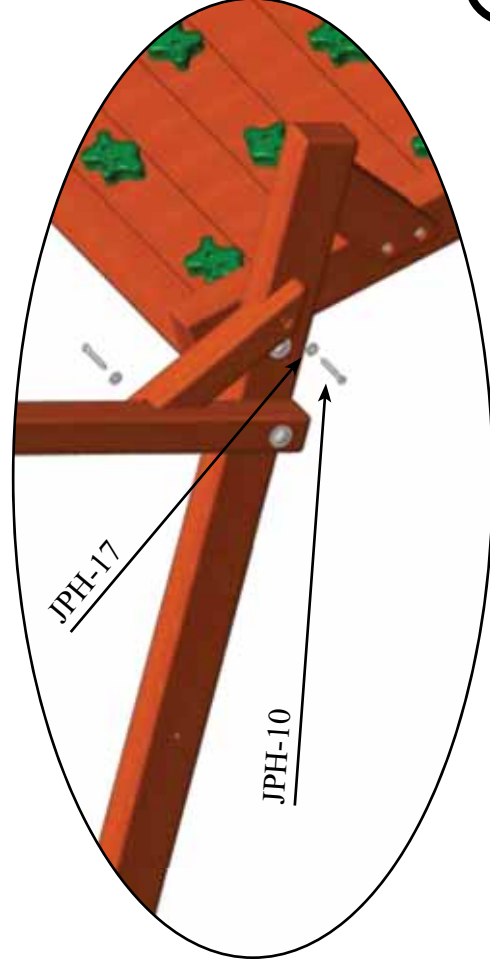
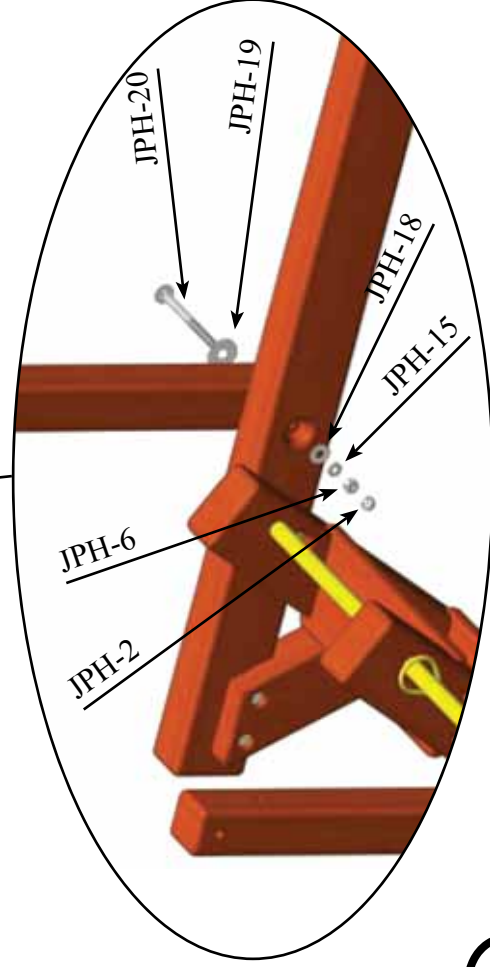
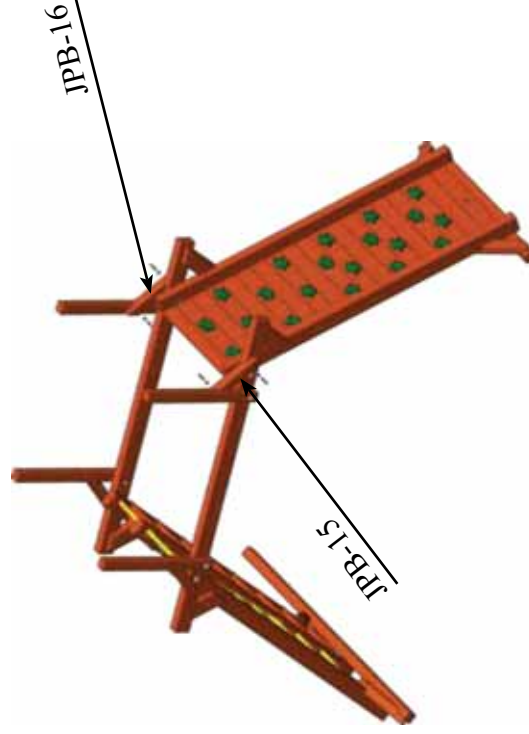
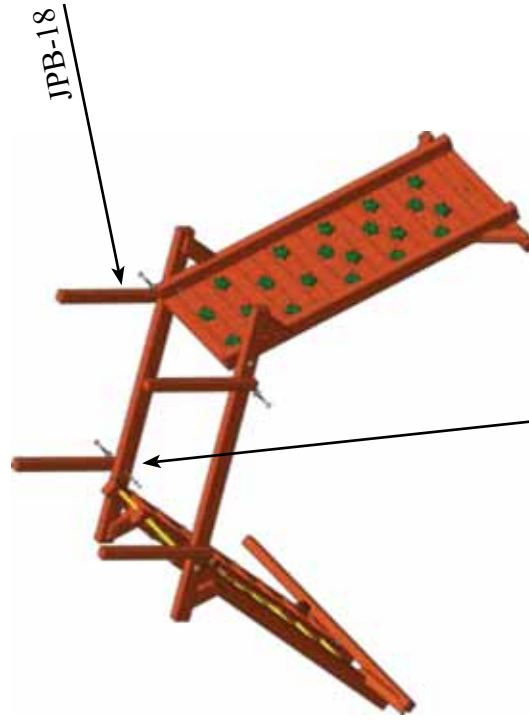
PARTS NEEDED

JPB-18- Corner Post-
JPB-15- Left Gusset-
JPB-16- Right Gusset-

(4)
(2)
(2)

HARDWARE NEEDED

JPH-2- 1/2" Acorn Nut- (4)
JPH-15- 1/2" Split Lockwasher- (4)
JPH-19- 3/4" USS Flatwasher- (4)
JPH-10- 3/8" x 3 1/2" Lag Screw- (8)
JPH-6- 1/2" Hex Nut- (4)
JPH-18- 1/2" USS Flatwasher- (4)
JPH-20- 1/2"x6 1/2" Carriage Bolt- (4)
JPH-17- 3/8" Flatwasher- (8)



Main Assembly

PARTS NEEDED

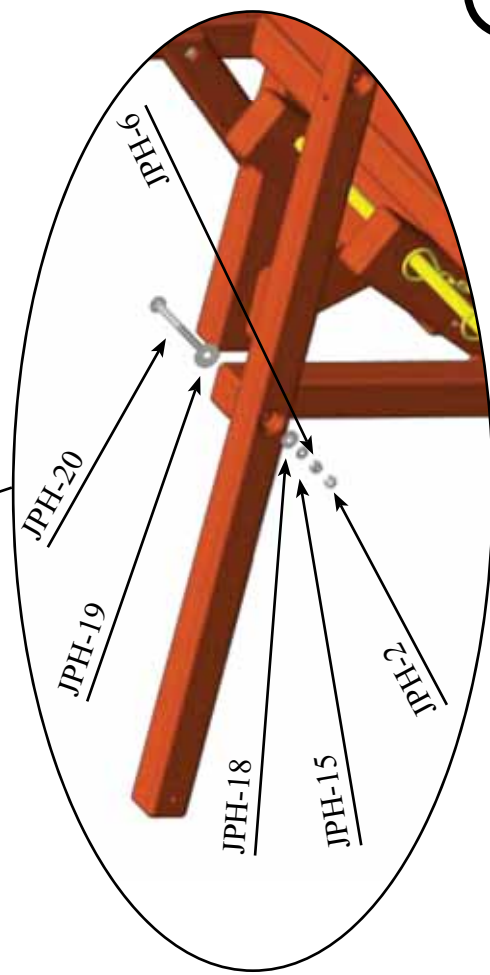
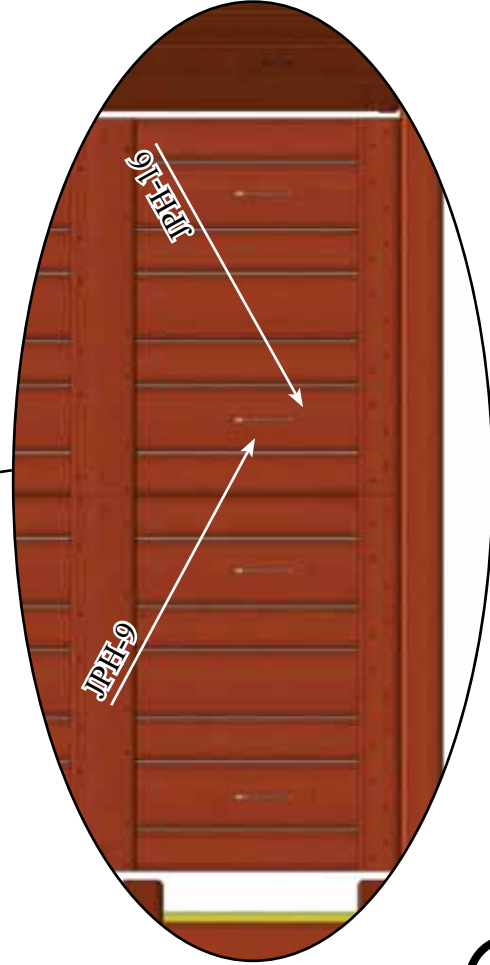
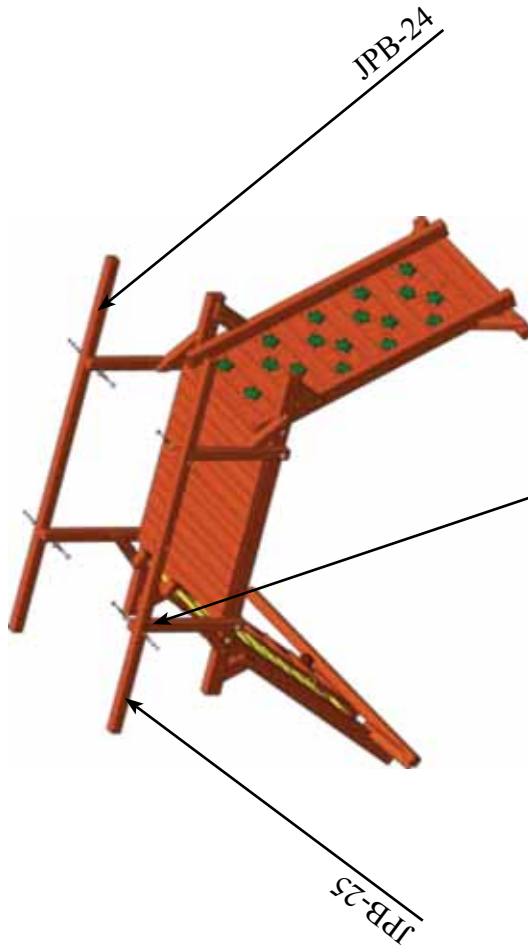
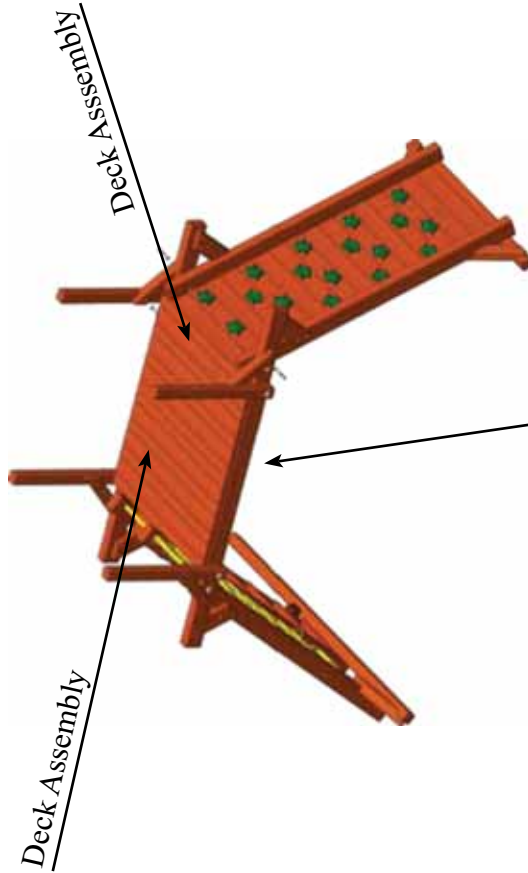
Deck Assemblies-
JPB-24- Top Joist-
JPB-25- Swing Beam Top Joist-

(2)
(1)
(1)

HARDWARE NEEDED

JPH-9- 1/4" x 4 1/2" Hex Lag Screw-
JPH-20- 1/2" x 6 1/2" Carriage Bolt-
JPH-18- 1/2" USS Flatwasher-
JPH-6- 1/2" Hex Nut-

(8)
(4)
(4)
(4)
(4)



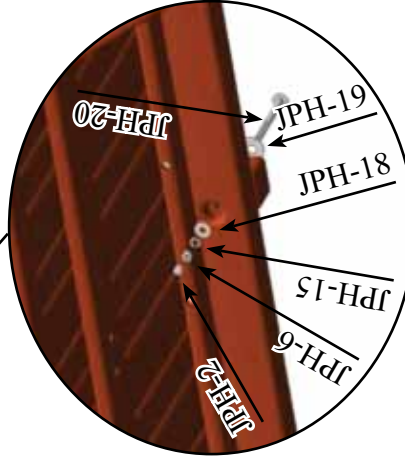
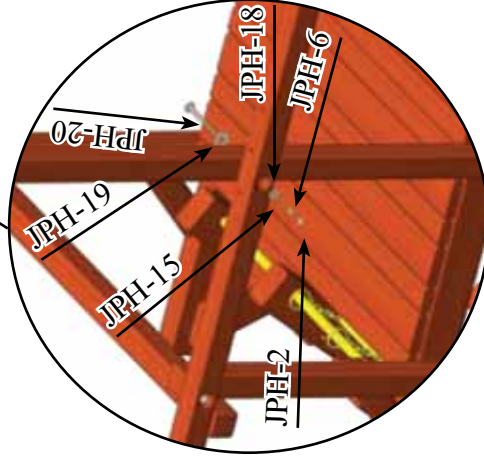
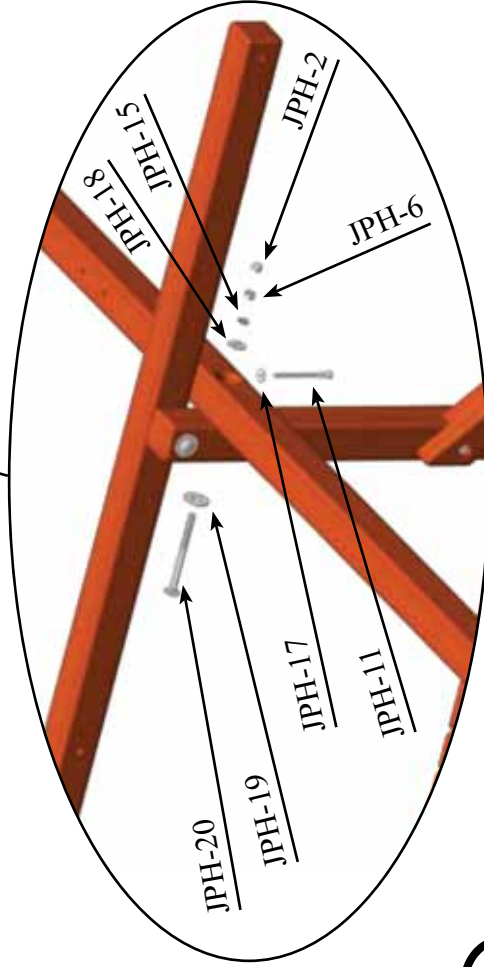
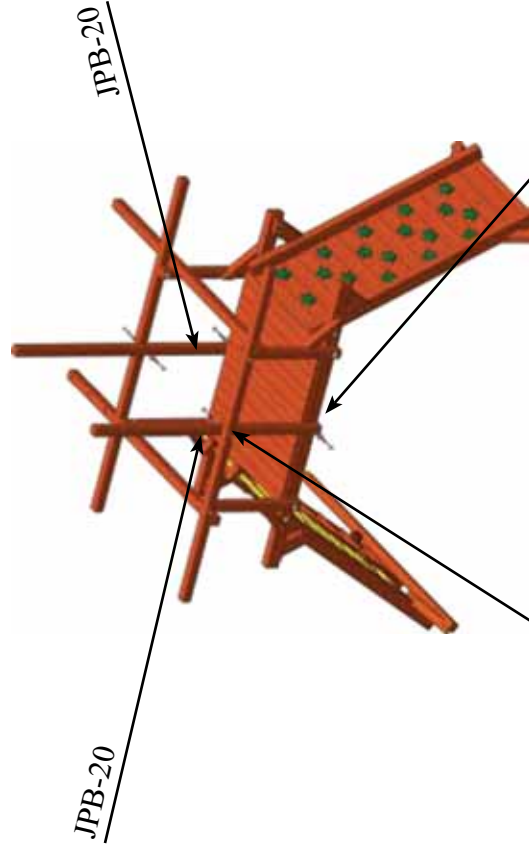
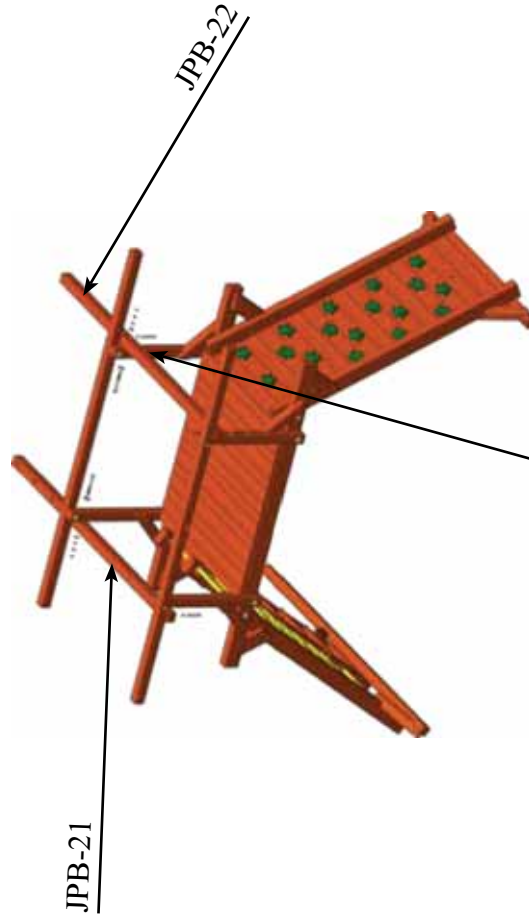
Main Assembly

PARTS NEEDED

- JPB-21- Upper Rope Arm- (1)
- JPB-22- Trapeze Arm- (1)
- JPB-20- Center Post- (2)

HARDWARE NEEDED

- JPB-20- 1/2" x 6 1/2" Carriage Bolt- (8)
- JPB-18- 1/2" USS Flatwasher- (8)
- JPB-6- 1/2" Hex Nut- (8)
- JPB-17- 1/4" USS Flatwasher- (4)
- JPB-19- 3/4" USS Flatwasher- (8)
- JPB-15- 1/2" Split Lockwasher- (8)
- JPB-2- 1/2" Acorn Nut- (8)
- JPB-11- 3/8" x 5" Hex Lag Screw- (4)



Underneath

Main Assembly

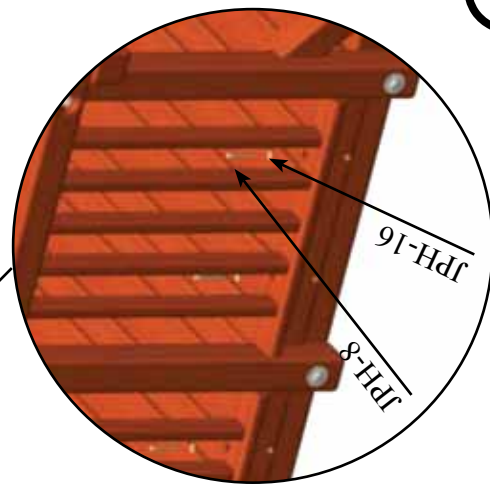
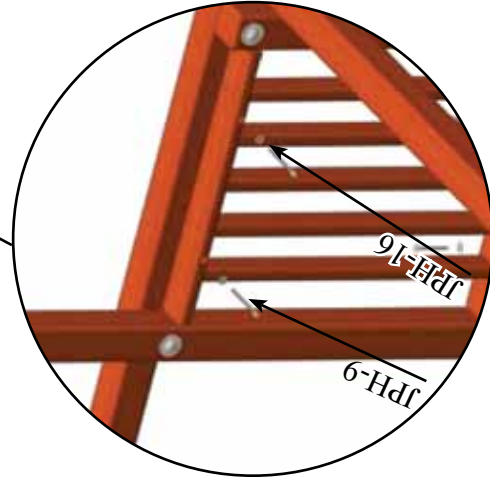
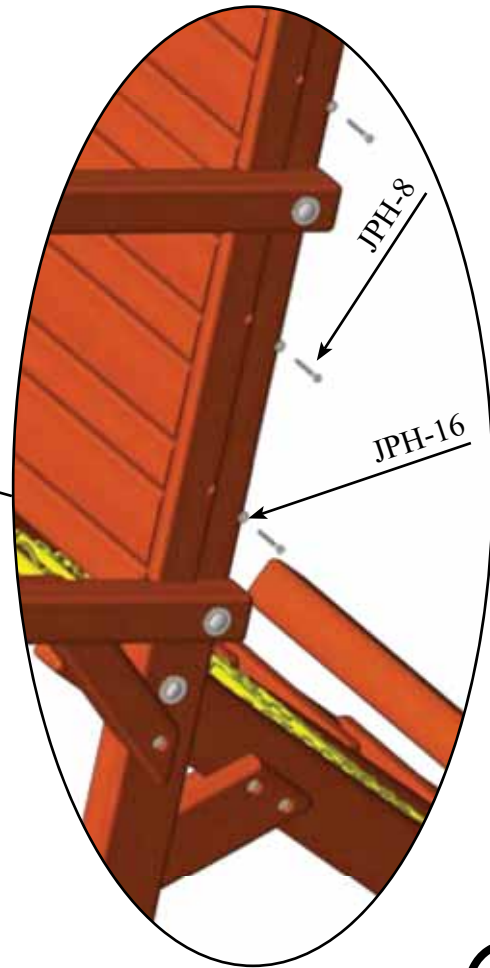
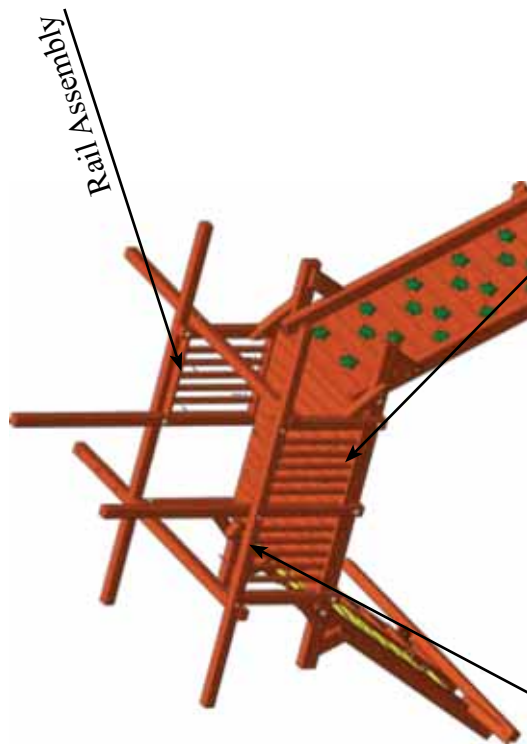
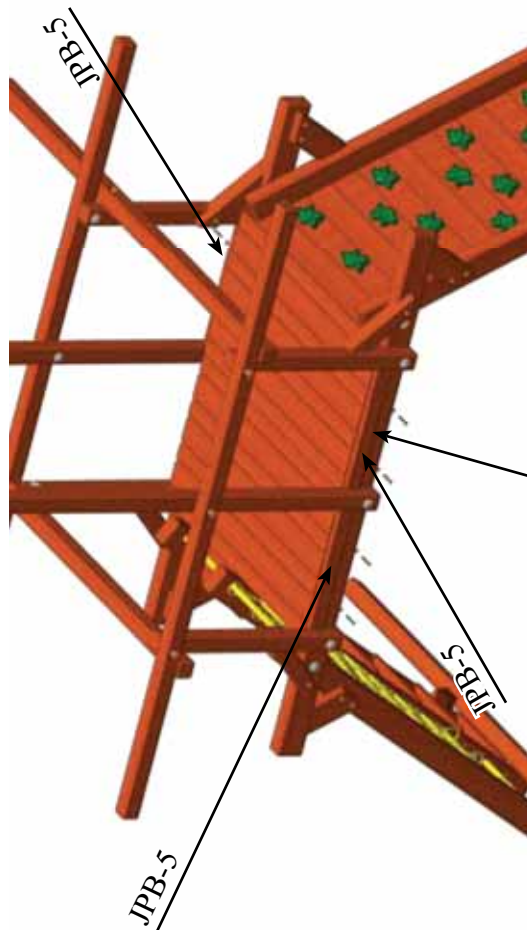
PARTS NEEDED

JPB-5- Rail Bottom-
Rail Assembly-

(3)
(3)

HARDWARE NEEDED

JPH-8- 1/4" x 3" Hex Lag Screw- (12)
JPH-9- 1/4" x 4 1/2" Hex Lag Screw- (6)
JPH-16- 1/4" USS Flatwasher- (18)



Main Assembly

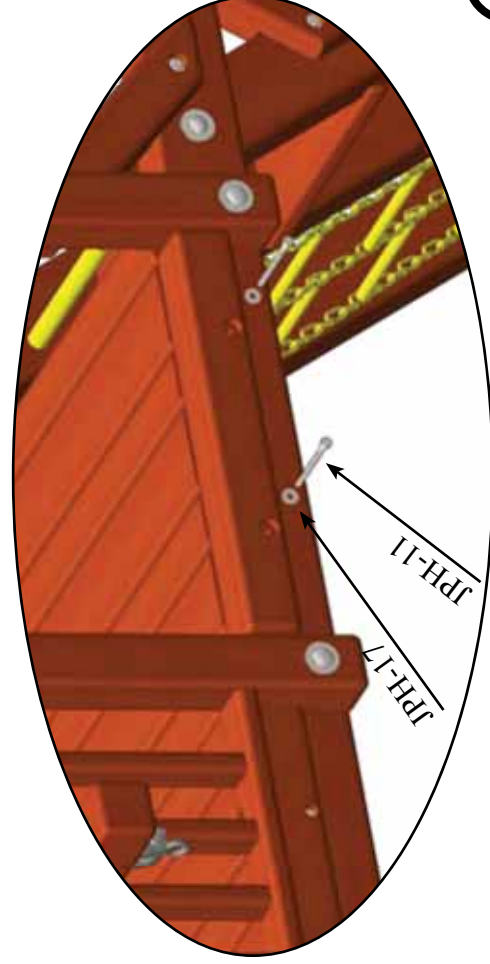
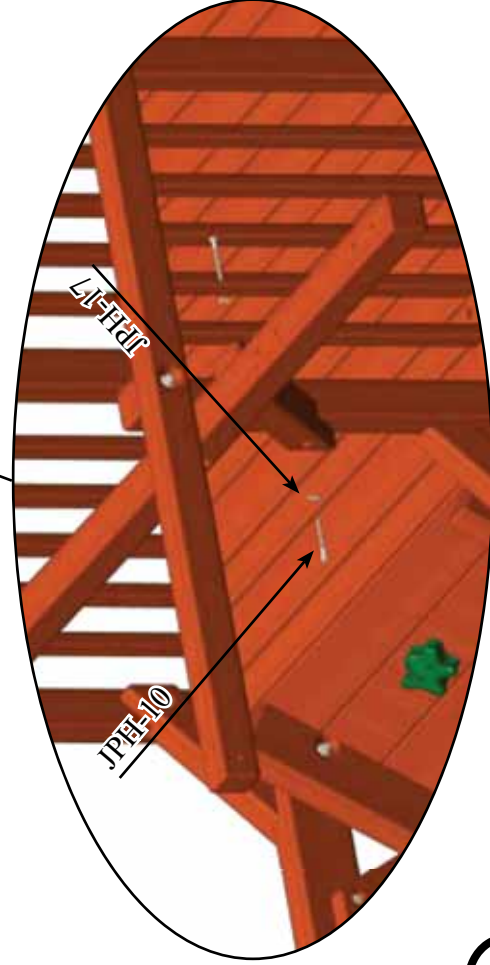
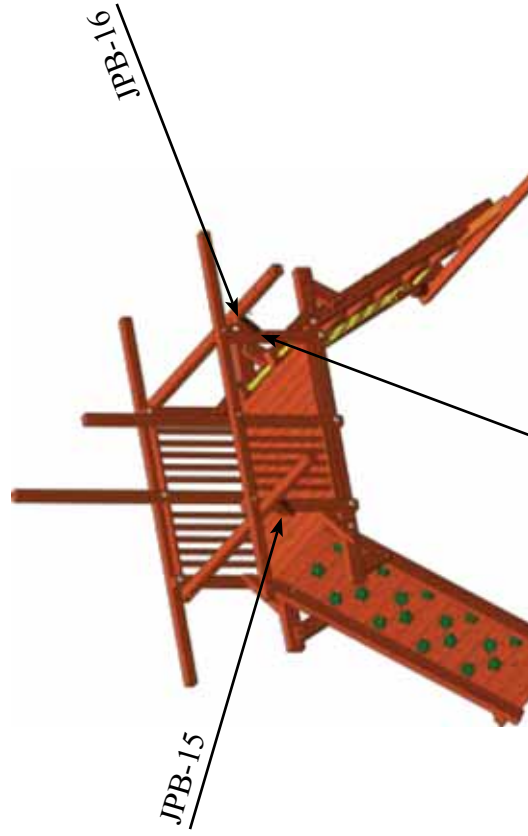
PARTS NEEDED

- JPB-15- Left Gusset-
- JPB-16- Right Gusset-
- JPB-17- Entrapment Block-

- (1)
- (1)
- (1)

HARDWARE NEEDED

- JPH-10- 3/8" x 3 1/2" Hex Lag Screw- (4)
- JPH-17- 3/8" USS Flatwasher- (6)
- JPH-11- 3/8" x 5" Hex Lag Screw- (2)



Main Assembly

PARTS NEEDED

JPB-10- Center Tarp Board-
JPB-11- Tarp Board-

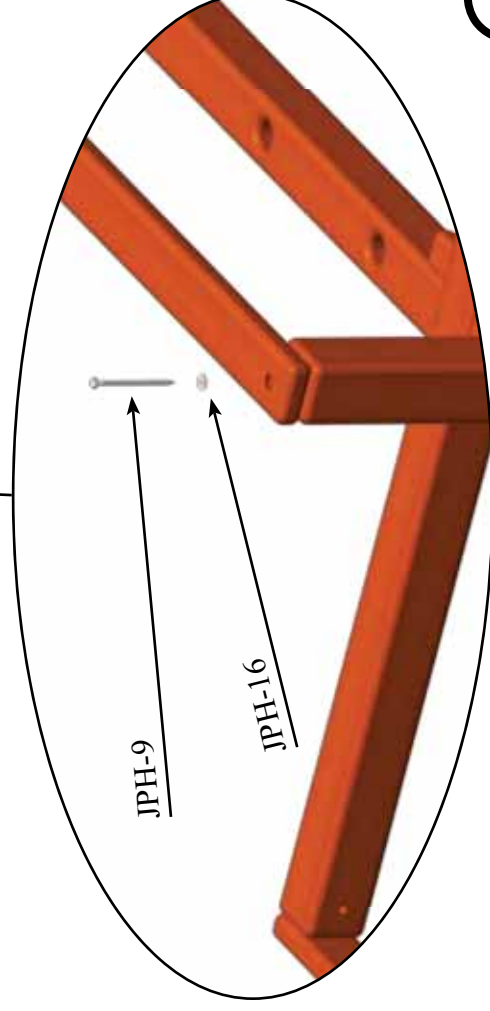
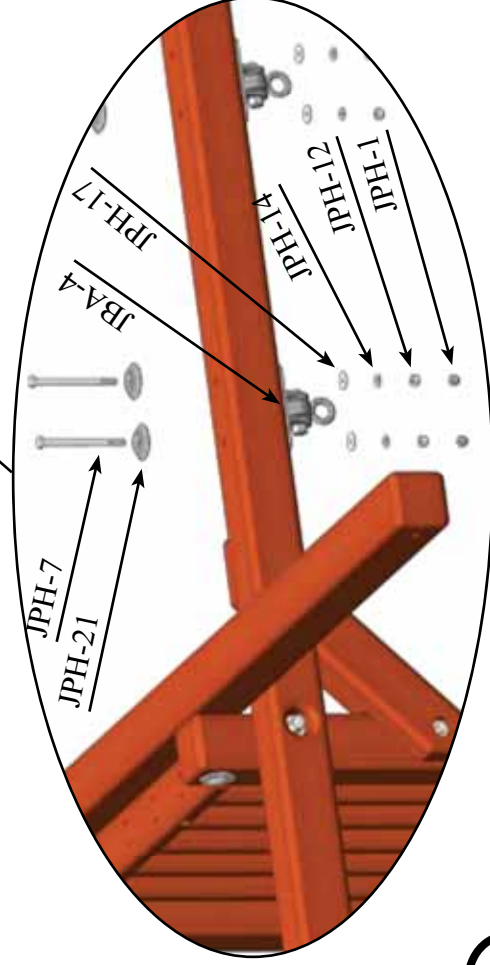
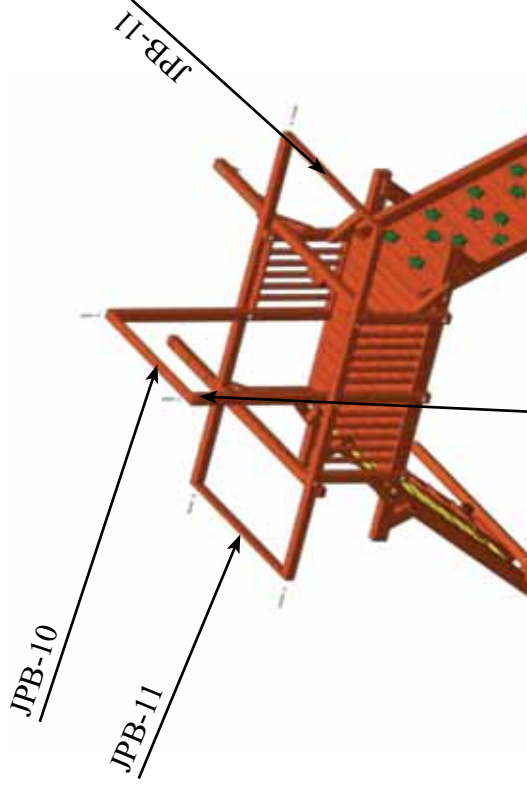
(1)
(2)

HARDWARE NEEDED

JPH-7- 3/8" x 5" Hex Bolt-
JPH-17- 3/8" USS Flatwasher-
JPH-12- 3/8" Nylon Locknut-
JPH-9- 1/4" x 4 1/2" Hex Lag-

JPH-21- 3/8" Bolt Cup-
JPH-14- 3/8" Split Lockwasher-
JPH-1- 3/8" Acorn Nut-
JPH-16- 1/4" USS Flatwasher-

(4)
(4)
(4)
(6)



Main Assembly

PARTS NEEDED

JPB-14- Rope Block-

(1)

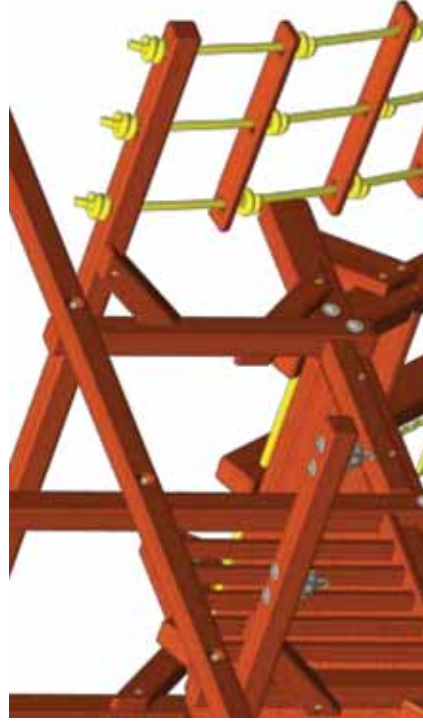
HARDWARE NEEDED

JPH-17- 3/8" USS Flatwasher-

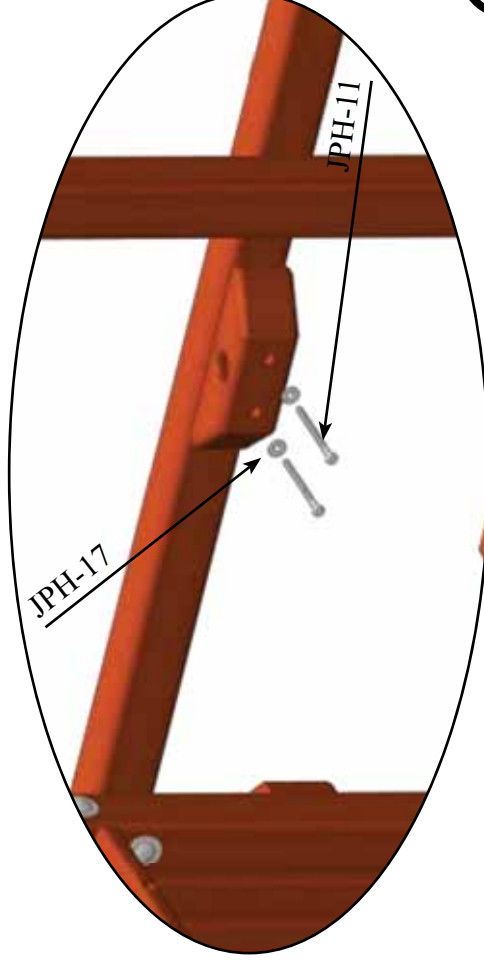
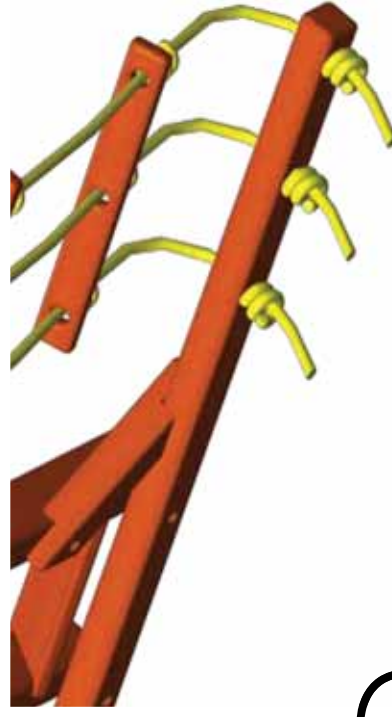
(2)

JPH-11- 3/8" x 5" Hex Lag Screw-

(2)



Slide one end of rop through the Upper Rope Arm and tie a good knot. Then take a Rope Rung and slide it up about a 1 to 1 1/2 ft below the Rope Arm and tie knot holding it. Repeat for all Rope Rungs til a knot is tied on the Rope Runner.



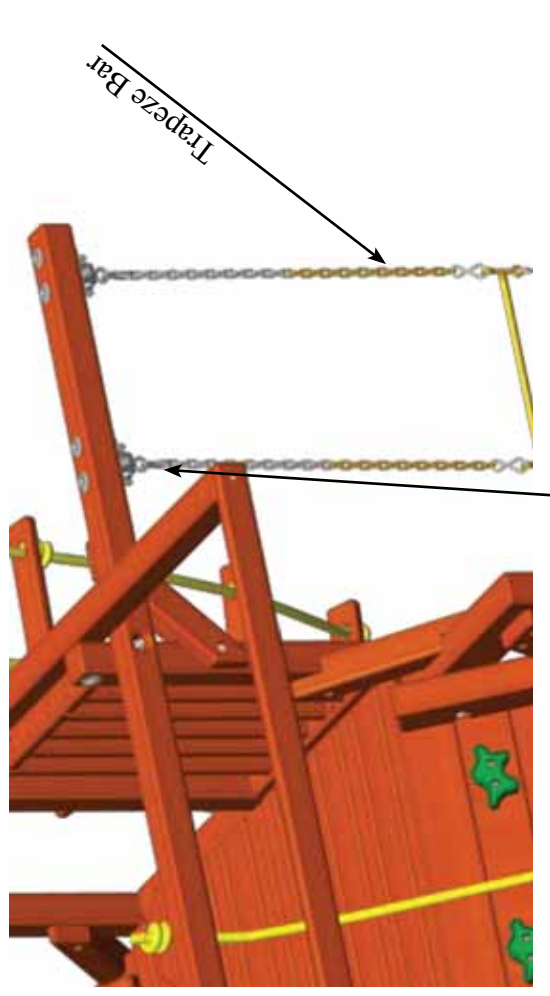
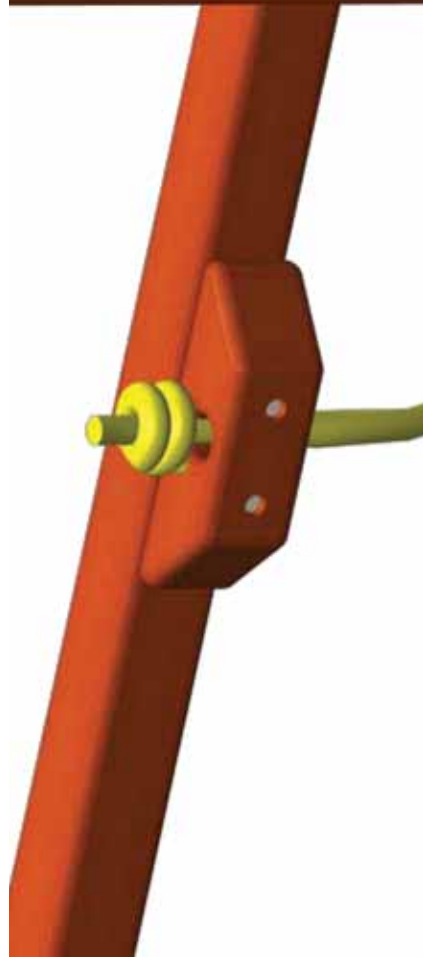
HARDWARE NEEDED

Trapeze Bar w/ Rings-

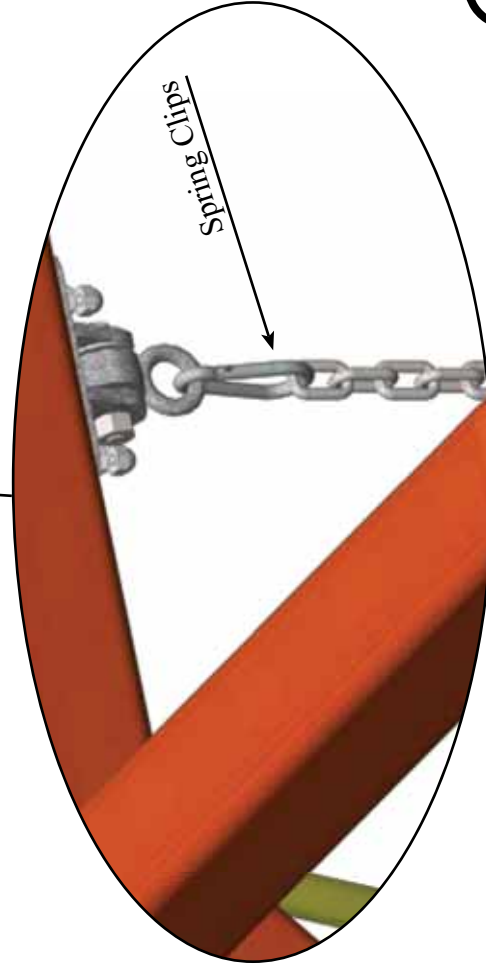
(1)

10 x 100mm Spring Clips-

(2)



Slide one end of rope through the Rope Block and tie a good knot. Then make a knot about a 1 to 1 1/2 ft below the Rope Block, Repeat until you can slip the rope through the rockwall and tie another knot securing the rope.



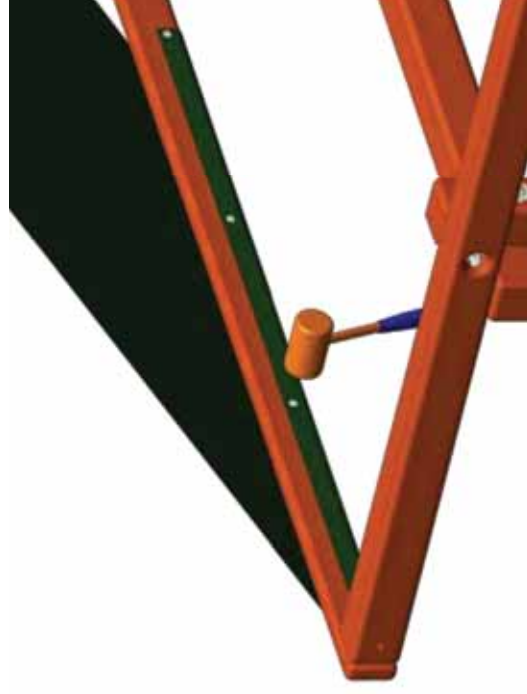
Main Assembly (All Main Assembly Steps will be the same for the 5.4, 6.4, & 7.4)

PARTS NEEDED

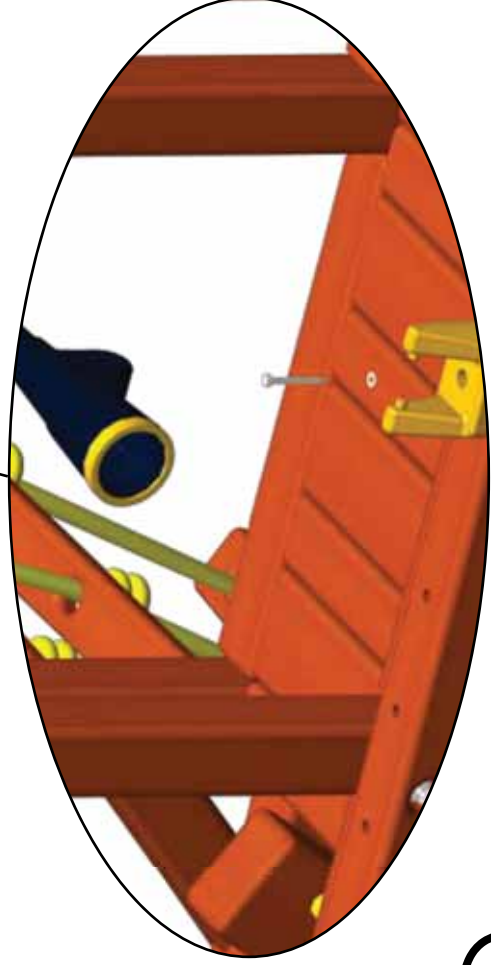
JBA-9- Telescope-

(1)

HARDWARE NEEDED



Take one corner of the VINYL TARP and place it flush in the corner. Tap the snap with a blunt object, leaving an indentation of the snap in the wood. Repeat this process until all the snaps have been indented in the wood on both sides of the Playcenter.

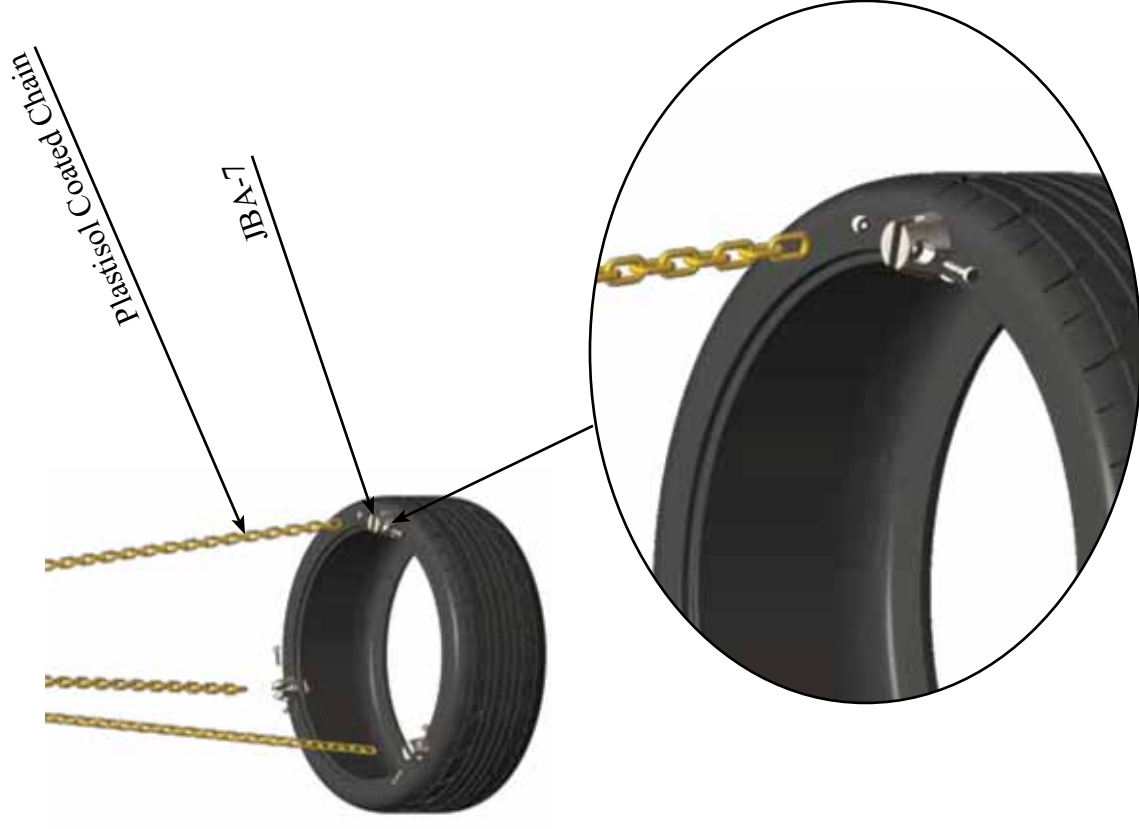


Main Assembly (All Main Assembly Steps will be the same for the 5.4, 6.4, & 7.4)

PARTS NEEDED

(Shift+Ctrl+Click) to edit

HARDWARE NEEDED



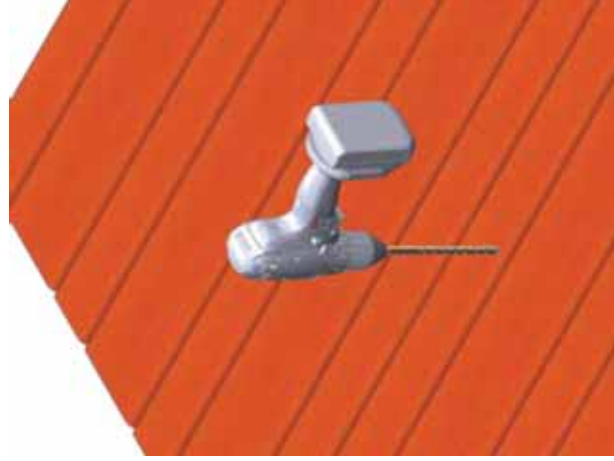
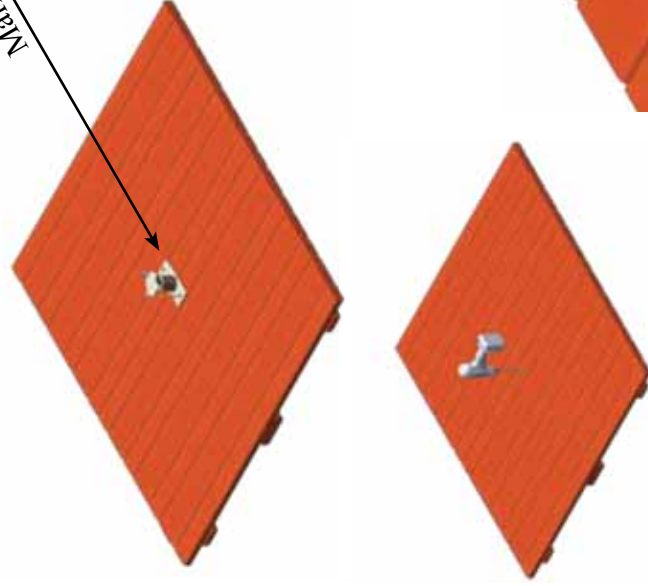
Using the indentions you just made with the snaps, take the 5/8" PHILLIPS SCREW SNAPS and drill one into each indentation.



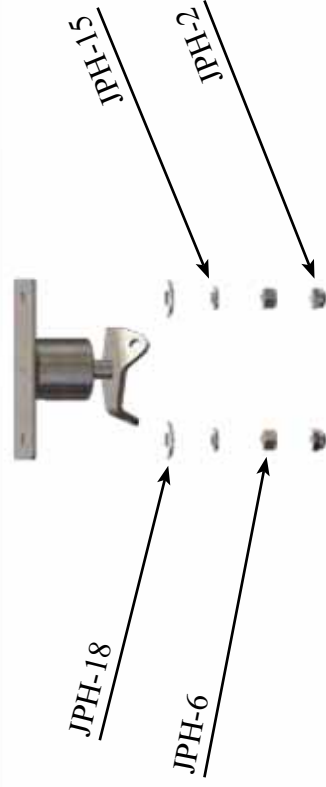
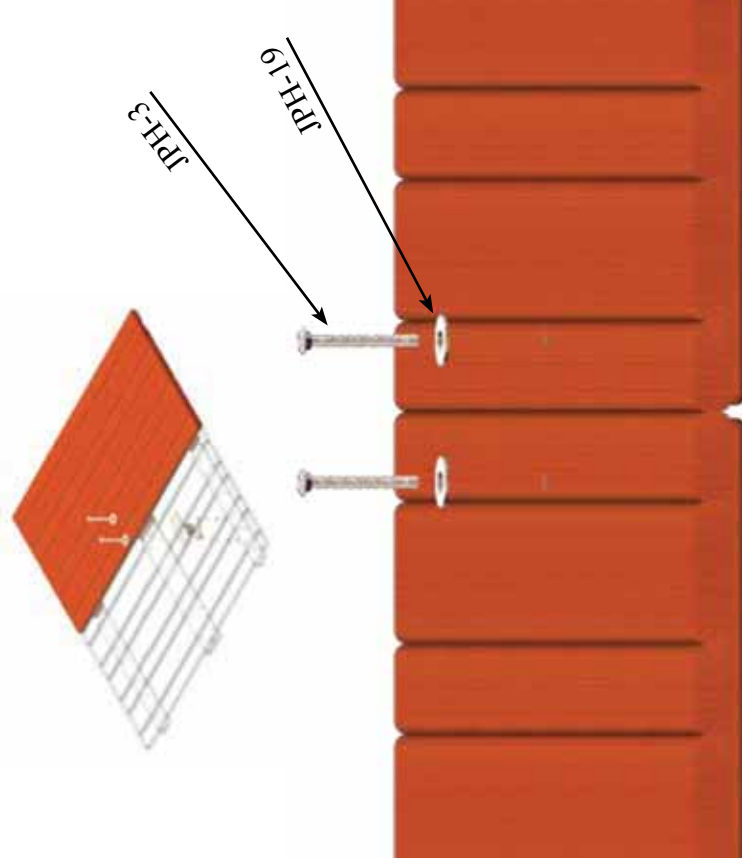
Take the tarp and snap it to the Phillips Screw Snaps on both sides of the unit.

Main Assembly (All Main Assembly Steps will be the same for the 5.4, 6.4, & 7.4)

Mark Deck Center



Drill Marked Holes from previous step using a 9/16" bit.



Main Assembly (All Main Assembly Steps will be the same for the 5.4, 6.4, & 7.4)

PARTS NEEDED

Slide-
1 1/4" Playgrip Safety Handles-

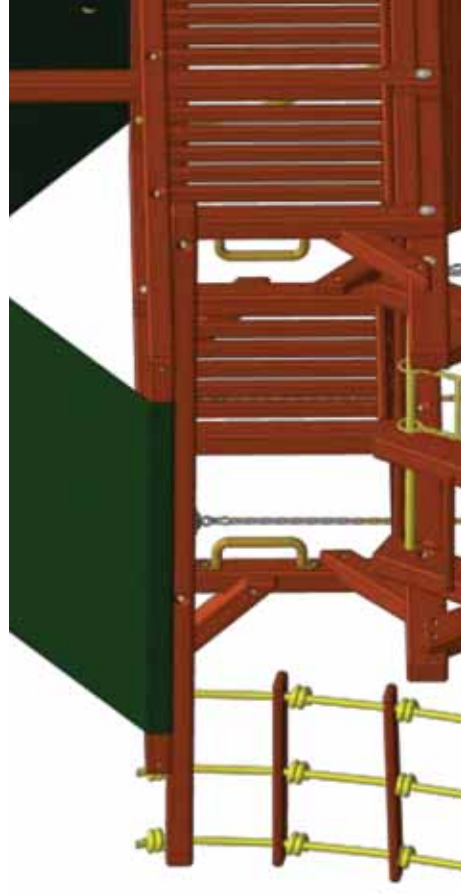
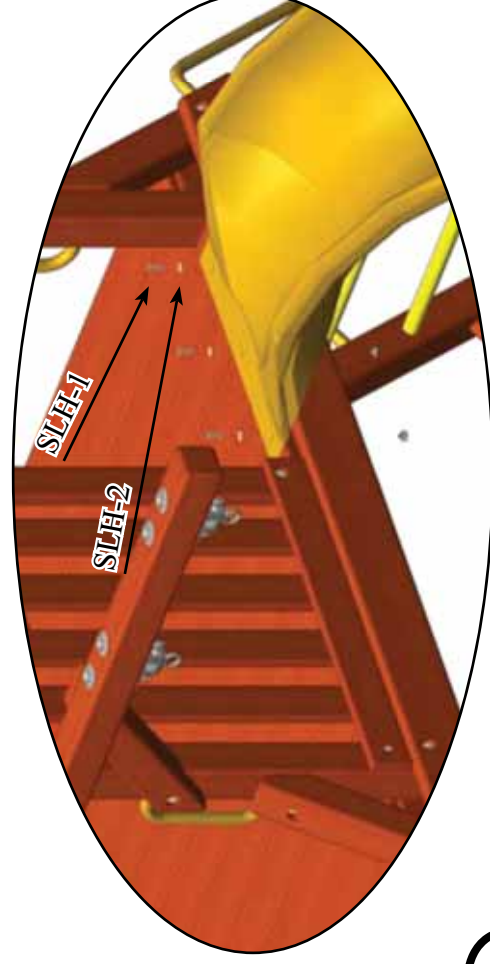
(1)
(4)

HARDWARE NEEDED

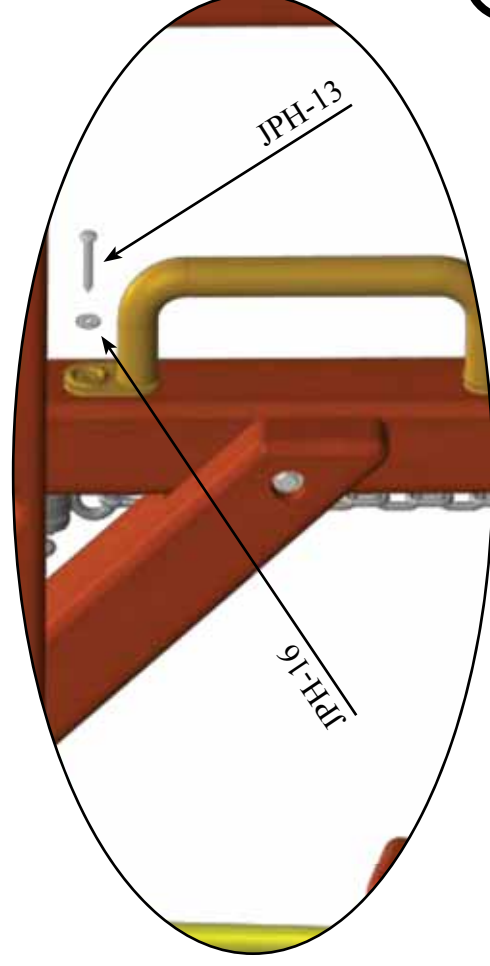
SLH-1- #14 x 2" Pan Phillips T/S- (3)
SLH-2- 1/4" USS Flatwasher- (3)
JPH-13- #14 x 2" Pan Phillips T/S- (8)
JPH-16- 1/4" USS Flatwasher- (8)



Set slide up on deck, in between the corner post and the center post, and drill 5/16" holes through the deck where the holes on the slide are. Then secure slide.



Repeat this step for the Rockwall side of the Playcenter



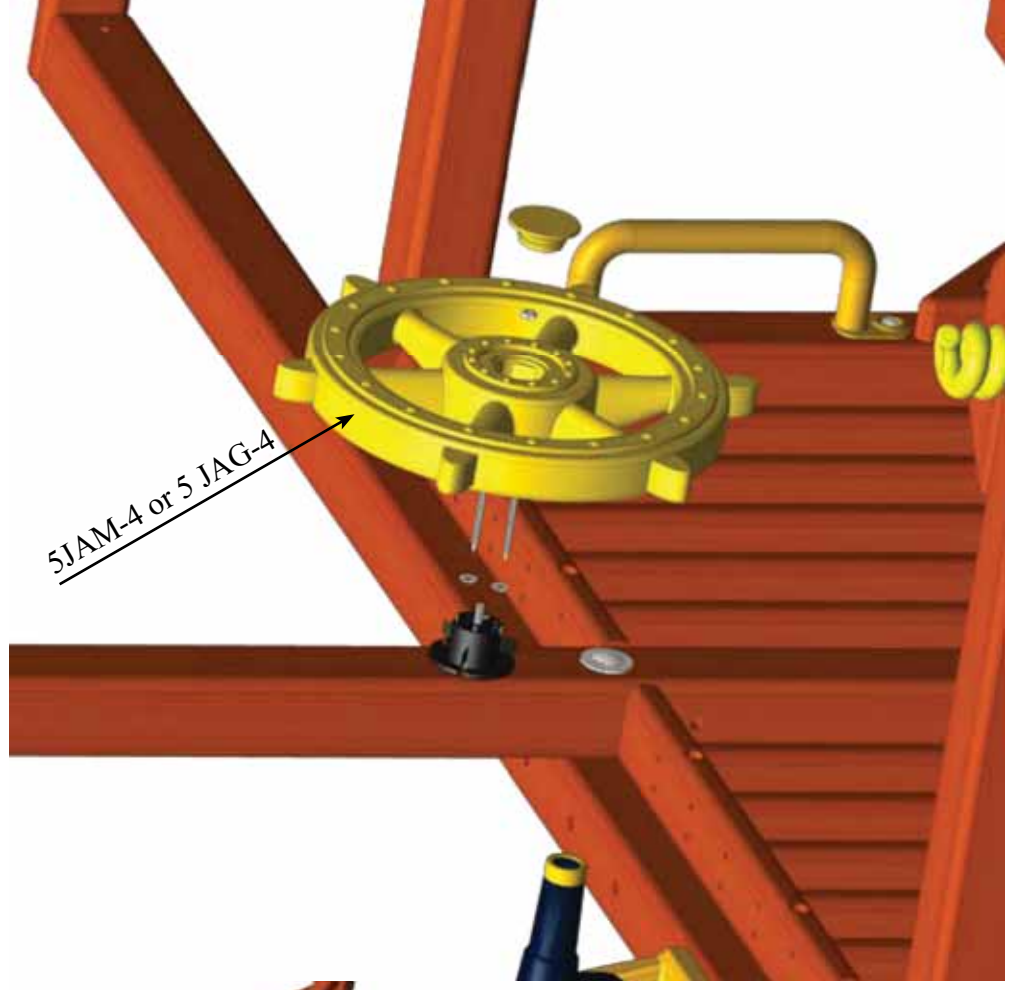
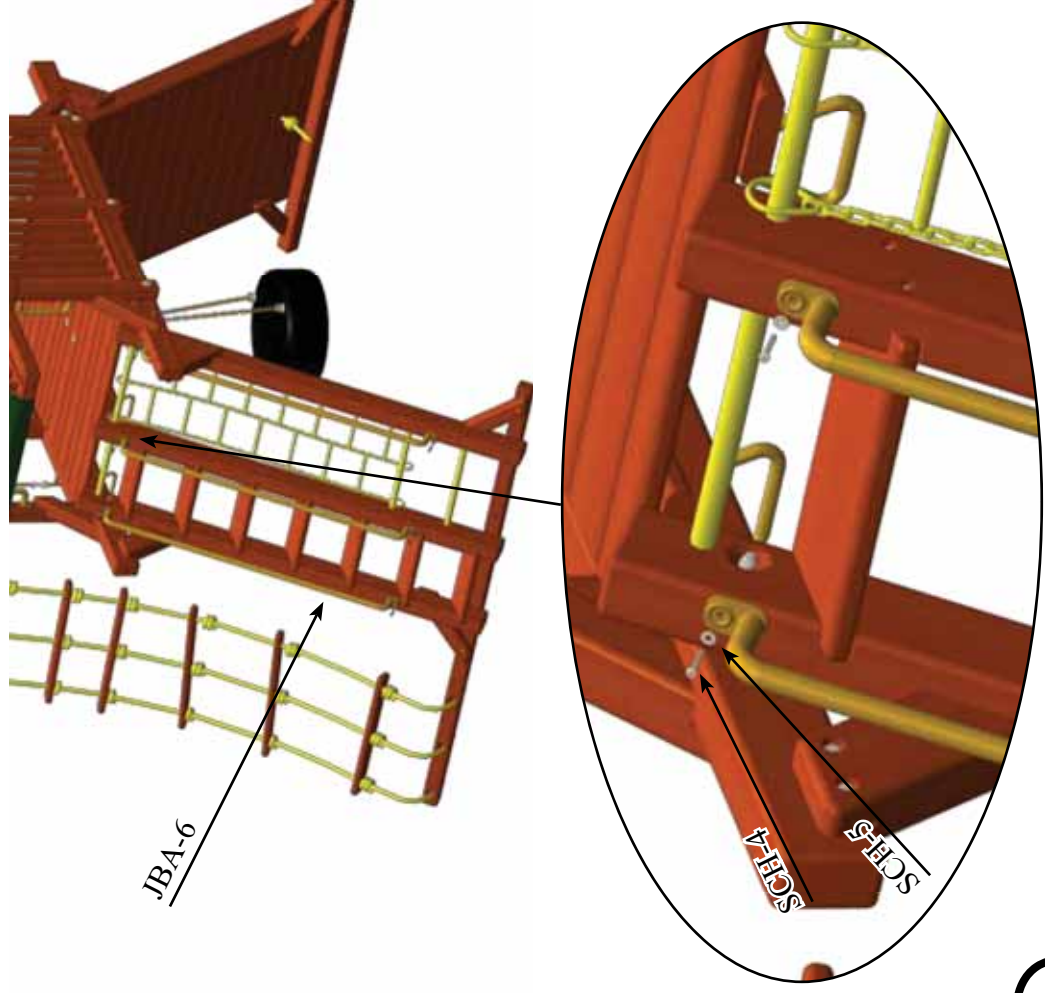
Main Assembly (All Main Assembly Steps will be the same for the 5.4, 6.4, & 7.4)

ACCESSORIES NEEDED

Playgrip Ladder Handles-
5JAM or 5JAG-4 19" Ship's Wheel-
(3)
(1)

HARDWARE NEEDED

SCH-4- #14 x 2" Pan Phillips T/S-
SCH-5- 1/4" USS Flatwasher-
(6)
(6)



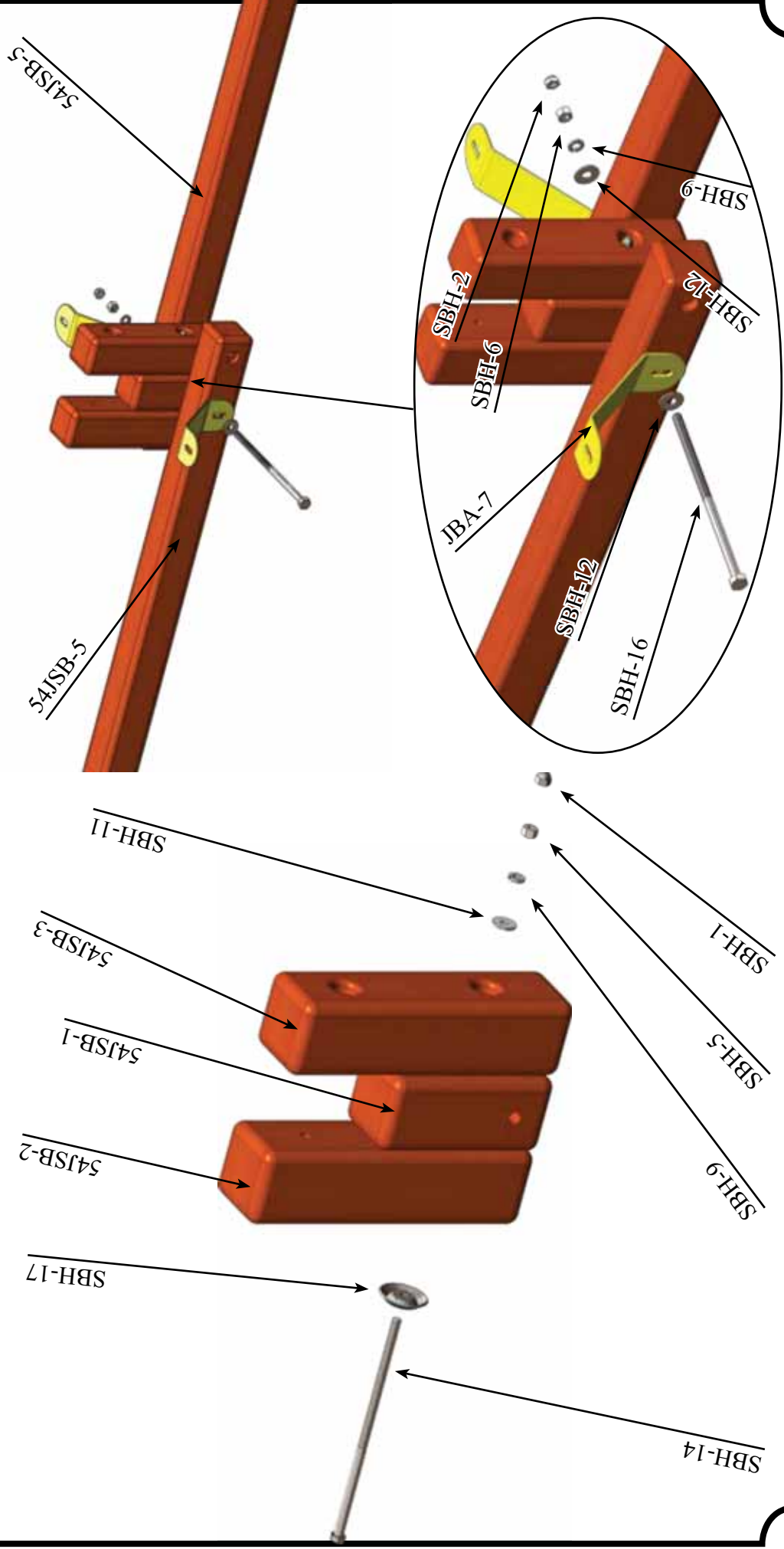
Swing Beam Assembly

PARTS NEEDED

- 54JSB-1 - Center A - Frame Block- (1)
- 54JSB-2 - A-Frame Block- (1)
- 54JSB-3 - A-Frame Block Sinker- (1)
- 54JSB-5 - A-Frame Leg- (2)

HARDWARE NEEDED

- SBH-14- 3/8" x 10" Hex Bolt- (1)
- SBH-11 - 3/8" USS Flatwasher- (1)
- SBH-5- 3/8" Hex Nut- (1)
- SBH-2- 1/2" Acorn Nut Plated- (2)
- SBH-9- 1/2" Split Lockwasher- (1)
- SBH-16- 1/2" x 12" Hex Bolt- (1)
- SBH-17- 3/8" Bolt Cup- (1)
- SBH-9- 3/8" Split lockwasher- (1)
- SBH-1- 3/8" Acorn Nut Plated- (1)
- SBH-6- 1/2" Hex Nut- (1)
- SBH-12- 1/2" USS Flatwasher- (2)
- JBA-7- 45 Degree Bracket- (2)



Swing Beam Assembly

PARTS NEEDED

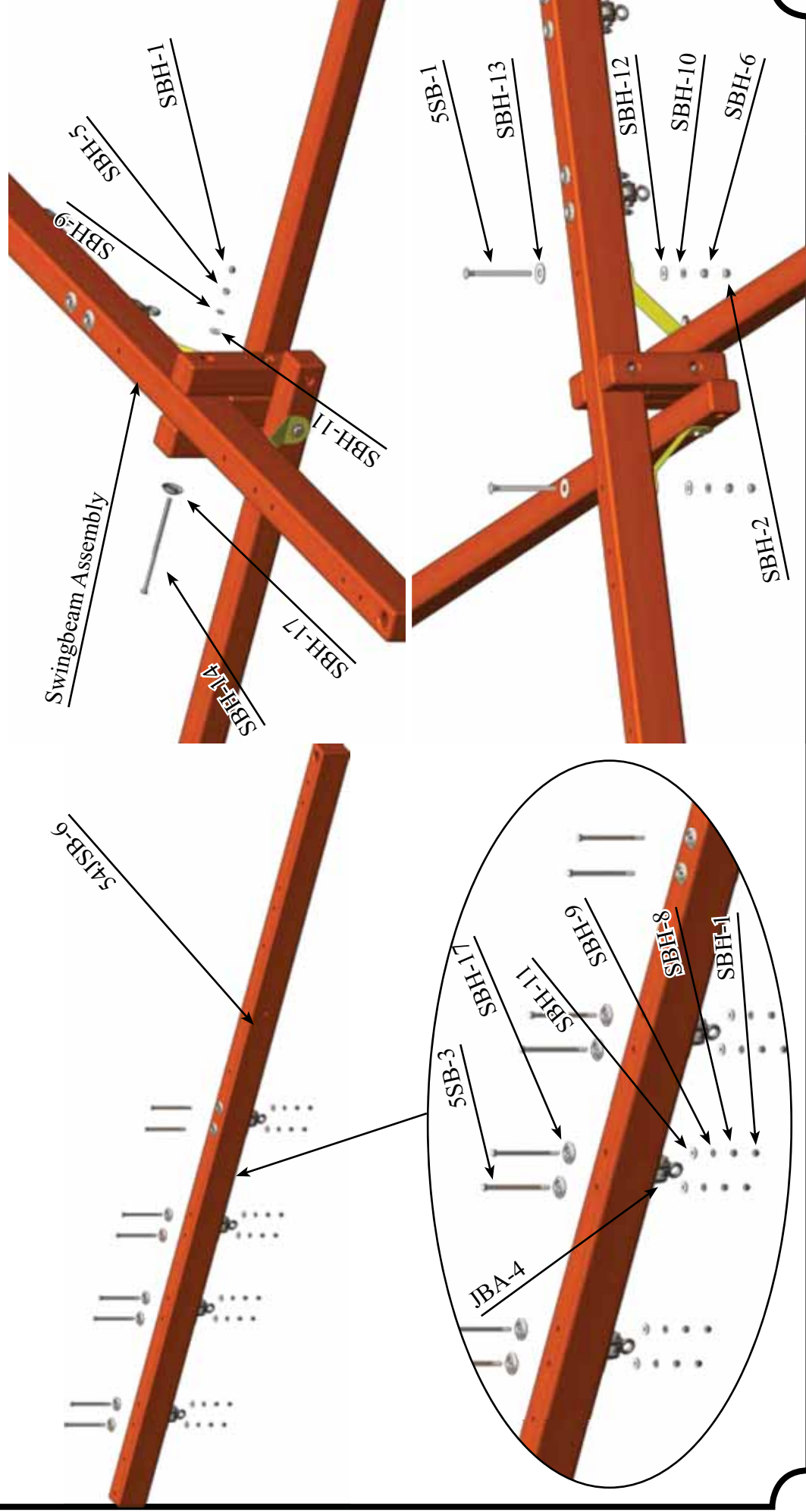
54/SB-6- 3 POS Swingbeam- (1)

5SB-3- 3/8" x 7" Hex Bolt- (8)
 SBH-9- 3/8" Split Lockwasher- (9)
 SBH-14- 3/8" x 10" Hex Bolt- (1)
 SBH-12- 1/2" USS Flatwasher- (2)
 SBH-2- 1/2" Acorn Nut Plated- (2)

HARDWARE NEEDED

SBH-17- 3/8" Bolt Cup- (9)
 SBH-8- 3/8" Nylon Insert Locknut- (8)
 5SB-1- 1/2" x 7" Carriage Bolt- (2)
 SBH-10- 1/2" Split Lockwasher- (2)
 JBA-4- Swing Hanger- (4)

SBH-11- 3/8" USS Flatwasher- (9)
 SBH-1- 3/8" Acorn Nut Plated- (9)
 SBH-13- 3/4" USS Flatwasher- (2)
 SBH-6- 1/2" Hex Nut- (2)



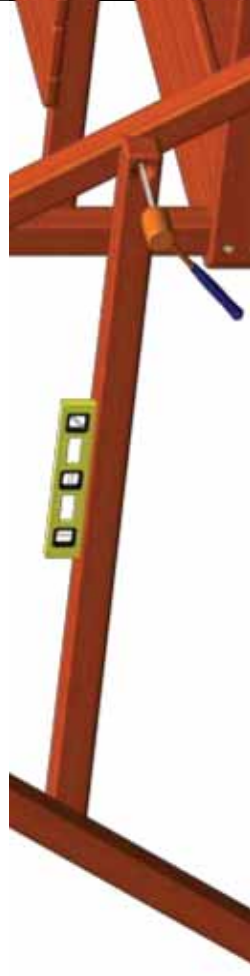
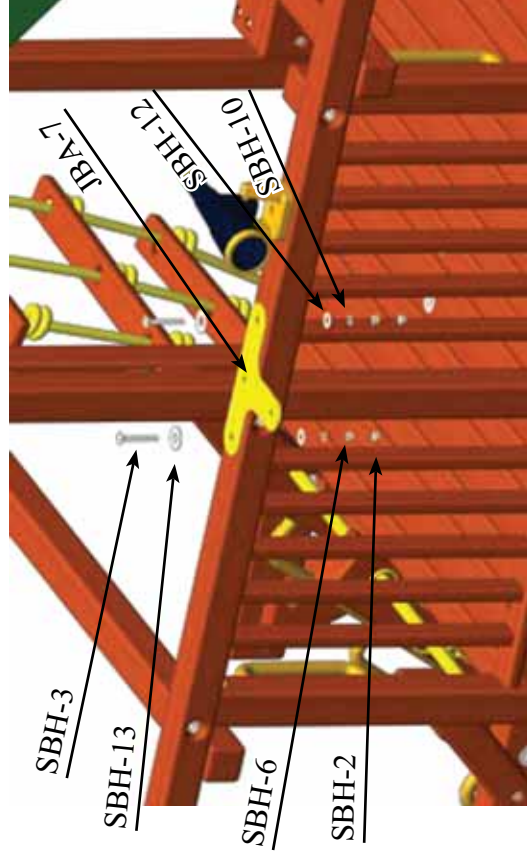
Swing Beam Assembly

HARDWARE NEEDED

SBH-3- 1/2" x 3 1/2" Carriage Bolt- (2)
 SBH-4- 1/2" x 7" Carriage Bolt- (2)
 SBH-10- 1/2" Split Lockwasher- (4)
 JBA-7- Swingbeam T-Bracket- (1)

5SB-1- 1/2" x 7" Carriage Bolt- (1)
 SBH-15- 3/4" USS FLatwasher- (4)
 SBH-7- 1/2" Hex Nut- (4)

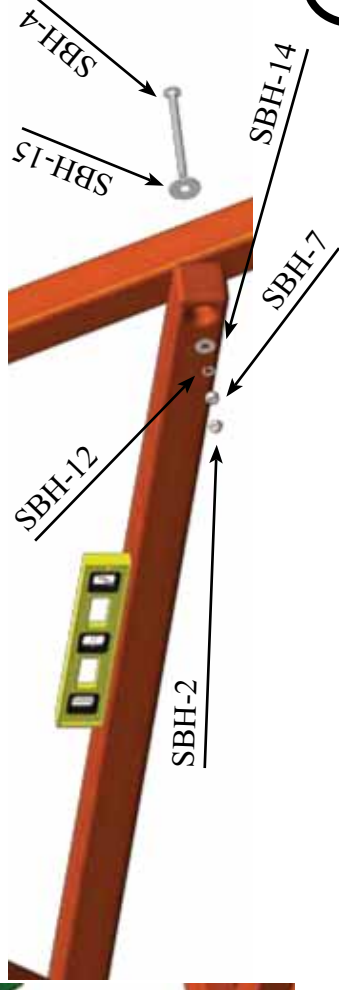
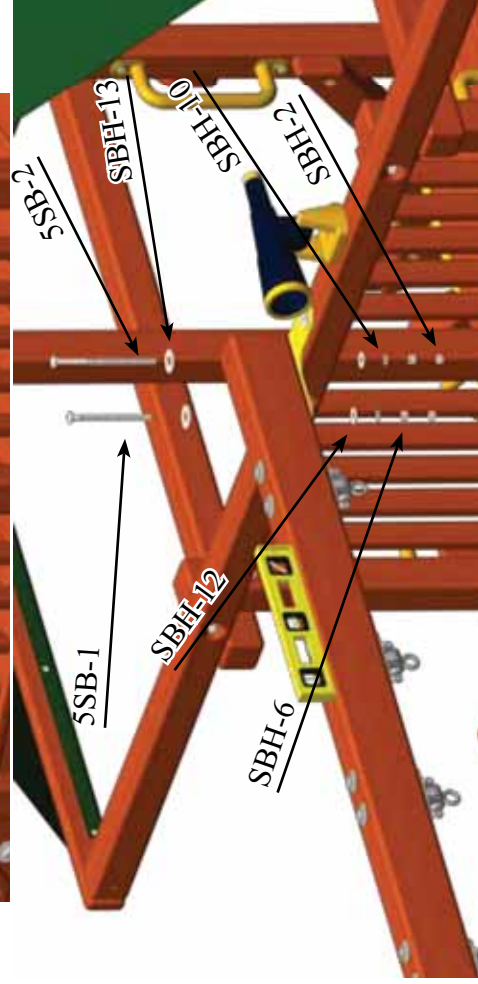
5SB-2- 1/2" x 9" Carriage Bolt- (1)
 SBH-14- 1/2" USS Flatwasher- (4)
 SBH-2- 1/2" Acorn Nut- (4)



Place Crossmember across A-Frame Legs while keeping level and mark the hole placement.



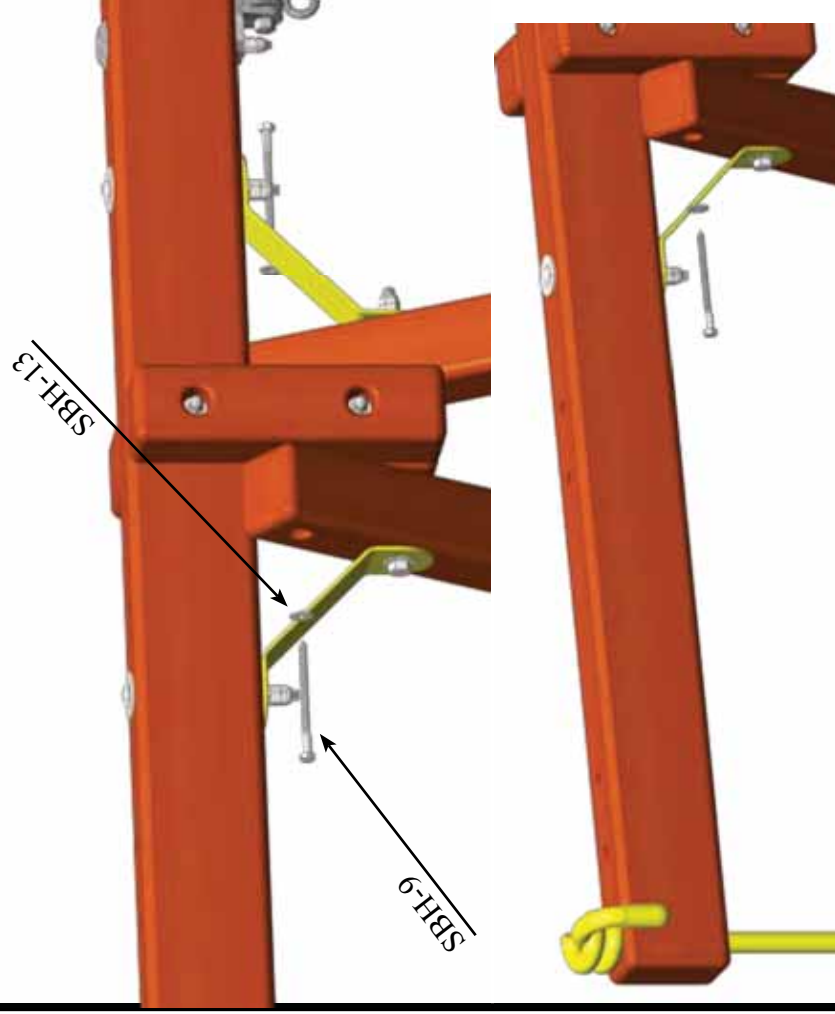
Drill a 9/16" hole through the A-FRAME LEGS where your marks are.
 Then using the Carriage Bolt Assemble both together.



Swing Beam Assembly

HARDWARE NEEDED

SBH-13- 3/8" USS Flatwasher-	(2)
SBH-9- 3/8" x 5" Hex Lag Screw-	(2)



Slip 54A,B or 64A,B through the hole in swingbeam tie a secure knot. Repeat about every 2 ft. place rope through disc at desired height and tie a knot securing disc to rope.



AMERICA'S BEST VALUE IN SWING SETS.™

Universal Monkey Bar Install Manual

Version 9.14



Tools Needed for Assembly

Tape Measure	24" Level	Angle Square
Phillips Screw Driver	3/8" Cordless Drill or Electric Drill	3/8" Drive Ratchet or Electric Impact Gun
Claw Hammer or Rubber Mallet	Pliers or Vise Grips	7/16" Deep Well Socket
9/16" Deep Well Socket	3/4" Deep Well Socket	1/8", 1/4", and 9/16" Drill Bits
Phillips Head Screw Bits	An Adult with two Adult Helpers	

Please familiarize yourself with the install manual, parts/components and general construction process of your new swing set before getting started. Approximate assembly time: 6 to 8 hours. 6 foot unobstructed safety perimeter around swing set recommended.

Choosing A Location For Your Playset

When choosing a location for your swing set, always keep your child or children's safety in mind. Here are some recommendations to help you locate and install a safe play area.

- This play set is designed for the use of 4 occupants who have a combined weight not exceeding 800 pounds on the elevated floor; 3 occupants who have a combined weight of 525 pounds on the swing area; for a total Unit capacity of 5 occupants who have a combined weight of 1325. (this weight is not including the picnic table area)
- On-site adult supervision is required.
- The swing set should be located on level ground. The stationary components such as ladders and slides are required to be a minimum of six feet from any structure or obstruction such as a fence, garage, house, tree, overhanging branches, electrical wires, clotheslines, etc. Any swinging equipment is also required to be a minimum distance twice the height of the swing beam away from these obstructions or structures as well. The swing set should be located a safe distance from any water hazards, such as a lake, river, bayou, swimming pool, etc.
- Do not install this residential swing set in a commercial setting. This swing set is not manufactured for commercial usage and will void all warranties. Tree Frogs Wooden Swing Set Factory is not responsible for any damages or injuries resulting from this swing set being used in a commercial setting.
- Never install this swing set indoors; or over concrete, asphalt, packed earth, grass, carpet or any other hard surface. A fall onto a hard surface can result in serious or fatal injury.
- The U.S. Consumer Product Safety Commission (CPSC) recommends that you install and maintain a resilient surface under your swing set. The CPSC's Consumer Information Sheet for Playground Surfacing Materials is on the next page. A resilient surface, should be installed after the swing set has been completely assembled according to these instructions. The swing set must rest on solid ground. Please note that this swing set has a maximum fall height of 7'.

Maintaining Your Swing Set

Here are some maintenance tips required to insure safe play on your swing set for years of fun.

- At the beginning of each usage season and every two weeks during, check: nuts and bolts and tighten as needed, swing seats, chains, ladders, slides, rope and wood components for sign of deterioration and replace if necessary.
- On a yearly basis, we recommend that you coat your swing set with a sealant or preservative. You may also want to spot sand any areas prior to sealing.

**** Special note:** Although we recommend that you reseal your swing set annually, you may have to touch up the high traffic areas and/or areas that have a high exposure to direct sunlight.**

- Be sure that the sealant you select is non-toxic and child safe. Your local Tree Frogs Wooden Swing Set Factory dealer may offer a complete power wash and reseal and maintenance program.
- Do not use line trimmers or "weed eaters" around your swing set. The line will remove both paint and wood from uprights and base pieces. Any damage resulting from this type of abuse is not covered under our limited warranty.
- Remove plastic swing seats and take in doors or do not use when temperature drops below 0°F.

Weight Limits for Tree Frogs Swing Sets

Fort Platform: 800 Lbs. Total Weight

Full Bucket Swing: 50 Lbs.

Rope Ladder: 75 Lbs.

Swing Belts: 175 Lbs.

Toddler Bucket Swing: 50 Lbs.

Rock Wall: 150 Lbs.

Trapeze: 125 Lbs.

Tire Swing: 125 Lbs. Total Weight

All Slides: 125 Lbs.

Tree Frogs recommends that the weight limits for all components must not be exceeded. Failure to adhere to these and other safety guidelines could result in damage to the swing set and/or injury to the users.

Please keep this install manual for future reference.

To insure SAFE PLAY adults must teach children:

- Not to walk close to, in front of, behind, or between moving items.
- Not to swing empty swing seats.
- Not to swing sideways into the path of adjacent swings.
- Not to use the swing set in a manner other than that for which it is intended.
- Not to get off the equipment while it is in motion.
- Not to jump off the tower.
- Not to stand in the swing seats.
- Not to swing so high that chains become slack, or above the height of the swing support.
- Not to jump on a slide.
- Not to climb on top of the swing support.
- Not to attach to the swing set any item that is not specifically designed for use with the equipment, such as (but not limited to) jump ropes, clotheslines, pet leashes, cables, and chains. These may become strangulation hazards.
- To hold on to swings and climbers with both hands.
- To slide feet first, never head first.
- To watch for other children while swinging or playing near the swing set.

To also insure SAFE PLAY adults must:

- Limit climbing and swinging heights to each child's ability.
- Verify that suspended climbing ropes are secured at both ends.
- Verify that suspended climbing ropes cannot be looped back on themselves.
- Dress children appropriately for play. Use well-fitted shoes that do not have slippery soles.
- Avoid ponchos, scarves, hoods, loose fitting clothing, neckties, and any clothing with a drawstring. Serious injury could result should any part of the children's clothing become entangled in the swing set.
- Do not allow children to play wearing helmets.
- Remember that children are inventive. When they develop games that are unsafe, be alert and change the rules.

IMPORTANT - PLEASE READ

As fresh lumber acclimates to its new environment, the natural tendencies of the tree can show itself in the form of checks, or "cracks" in the lumber. In almost all cases this is normal and it will not affect the structural integrity of your play set.

Cosmetic defects that do not affect the structural integrity of the product, or natural defects of wood such as warping, checking or any other physical properties of wood that do not present a safety hazard, are not covered by this warranty.

Defects that develop because the product is exposed to extreme climate conditions are not covered by this warranty.

Defects that develop as a result of faulty or improper installation of the product are also not covered by this warranty.

Most cracks are not warrantable, however if you believe that the integrity of your play set is compromised by this natural occurrence, please contact the Tree Frogs Swing Set Dealer that you purchased your swing set from.

We appreciate your purchase and know that you will enjoy your play system for many years to come.

Pre-Assembly Hints

- Depending on your experience, assembly of our play sets can take as little as 6 hours up to 24 hours, depending on size, after inventory of parts; therefore, we recommend you set aside a full two days for assembly.
- Identify all of the parts for your play set. Empty each box and lay out boards so you can see each part. Your instruction book will have detailed drawings that will make it easy for you to recognize individual parts. Keep all hardware and metal parts separate from wooden pieces.
- After everything is laid out, check carefully to ensure all parts are present. Make sure there are no broken boards.
- Find an area to sort your hardware. It is best to open the hardware on a solid surface so that you do not lose any pieces in the grass. This will save time and familiarize you with all the different pieces in the hardware bag.

****Important note:** Wood has some natural defects such as knots, surface cracks, etc... We reject parts that are structurally defective. We use a high quality lumber in our structures; however, you should inspect each part for splinters or rough spots and sand them smooth to prevent injury.**

- After familiarizing yourself with all of the components, read all instructions thoroughly. Reading instructions after you have studied the parts will help you understand more clearly the installation process, and help to eliminate unnecessary mistakes.
- Pay close attention to the diameter and length of each bolt and screw.
- Never tighten hardware completely at first. It helps to have some adjustment for bolt alignment while you are attaching parts together. After everything is square, tighten each joint.
- After the main unit is assembled it is critical that the floor is level and square. If the main frame is not level, the walls and floor will be out of square.
- After you complete installation, make sure every bolt, screw, and nut is tight, and every board is secure. Wood will expand and contract with the seasons.
- Place the set on level ground, not less than 6ft from any structure or obstruction such as a fence, garage, house, overhanging branches, laundry lines, or electrical wires.
- All 1/4" and 3/8" lag bolts must have pre-drilled holes 1-1/2" to 2" deep. Use a 1/8" drill bit for the 1/4" lag bolts and 1/4" drill bit for 3/8" lag bolts. Use pre-drilled holes in facias as a reference for placing lag bolt pilot holes.
- If a board lifts or rises causing a gap between boards when running in lag bolts or screws, back out the screw or lag bolt and press or apply pressure (but not enough to crack or break board) while re-running in the lag bolt or screw in the same hole.
- Do not over tighten bolts, lag bolts or screws. You can damage boards, break hardware, and/or strip out the hardware.
- When using hammer do not beat on the hardware, but gently tap it in. Never beat on the wood as it will leave marks.

Leveling Your Swing Set During Assembly

- Complete the steps which will be the basic frame of the fort {i.e. four corner posts with base (sand box boards) and deck supports}
- Position in the most level area chosen for the play set, keeping in mind the location and size of the swing beam, ladder, slides, etc. that extend off the fort.
- Once the frame is in the final position, check for vertical and horizontal levelness to determine which side(s) will need to be dug into the ground to level the play set.
- With a shovel, score the ground around the outside edges of the sandbox boards on the 'high' side of the fort. This is the area that will be dug in. Make sure to score deep enough; the scored lines will be your digging template.
- Push the frame off and away from the scored area, far enough to dig and remove dirt to reach the appropriate depth.
- Dig a channel along the scored line(s) for the base of the fort (corner post and sandbox boards) to rest into. Dig the channel(s) to the same level depth. The bottom of the channel(s) should be level to each other so your frame doesn't teeter or rock because the channel(s) are uneven.
- Once you have removed enough grass and dirt, slide/push the frame into the channel(s). Place a level on the vertical and horizontal boards of the frame to determine if enough soil, or too much, was removed.
- Repeat this process until the basic frame is plumb and level and in its final position before completing the rest of the assembly.
- Measure to make sure fort is square.

**** Important:** if you require a channel depth of more than 6",
then we recommend you have your play set area professionally graded before completing assembly. **

CONSUMER INFORMATION SHEET FOR PLAYGROUND SURFACING MATERIALS

The U.S. Consumer Product Safety Commission (CPSC) estimates that about 100,000 playground equipment related injuries resulting from falls to the ground surface are treated annually in U.S. hospital emergency rooms. Injuries involving this hazard pattern tend to be among the most serious of all playground injuries, and have the potential to be fatal, particularly when the injury is to the head. The surface under and around playground equipment can be a major factor in determining the injury-causing potential of a fall. It is self-evident that a fall onto a shock-absorbing surface is less likely to cause a serious injury than a fall onto a hard surface. However, it should be recognized that some injuries from falls will occur no matter what playground surfacing material is used.

Playground equipment should never be placed on hard surfaces such as concrete or asphalt. Grass may appear to be acceptable, but can turn to hard packed earth in areas of high traffic. Shredded bark mulch, wood chips, or fine gravel are considered to be acceptable shock absorbing surfaces when installed and maintained at a sufficient depth under and around play equipment.

TABLE 1 -CRITICAL HEIGHTS (in feet) OF TESTED MATERIAL

MATERIAL	UNCOMPRESSED DEPTH			COMPRESSED DEPTH
	6 Inch	9 Inch	12 Inch	9 inch
Wood Chips	7	10	11	10
Double Shredded Bark Mulch	6	10	11	7
Engineered Wood Fibers	6	7	>12	6
Fine Sand	5	5	9	5
Coarse Sand	5	5	6	4
Fine Gravel	6	7	10	6
Medium Gravel	5	5	6	5
Shredded Tires**	10-12	N/A	N/A	N/A

** This is data from tests conducted by independent testing laboratories on a 6 inch depth of uncompressed shredded tire samples produced by four manufacturers. The test reported critical heights, which varied from 10 feet to greater than 12 feet. It is recommended that persons seeking to install shredded tires as a protective surface request test data from the supplier showing the critical height of the material when it was tested in accordance with ASTM F1292.

Table 1 should be read as follows: If, for example, uncompressed wood chips are used at a minimum of 6 inches, the Critical Height is 7 feet. If 9 inches of uncompressed wood chips are used, the Critical Height is 10 feet. It should be noted that, for some materials, the Critical Height decreases when the material is compressed. It is recommended that a shock absorbing material should extend a minimum of 6 feet in all directions from the perimeter of stationary equipment such as climbers and slides. However, because children may deliberately jump from a moving swing, the shock absorbing material should extend in the front and rear of a swing a minimum distance of 2 times the height of the pivot point measured from a point directly beneath the pivot on the supporting structure.

This information is intended to assist in comparing the relative shock-absorbing properties of various materials. No particular material is recommended over another. However, each material is only effective when properly maintained. Materials should be checked periodically and replenished to maintain correct depth as determined necessary for your equipment. The choice of a material depends on the type and height of the playground equipment, the availability in your area, and its cost.

This information has been extracted from the CPSC publications "Playground Surfacing-Technical Information Guide" and "Handbook for Public Playground Safety." Copies of these reports can be obtained by sending a postcard to:

Office of Public Affairs
U.S. Consumer Product Safety Commission
Washington, D.C. 20207
Toll-free Hotline: 1-800-638-2772 or at <http://www.cpsc.gov>

Universal Monker Bar Lumber

Item No.	Part No.	Part Description	QTY.
UMB-1	UMB-1	31 3/4" ENTRAPMENT BOARD	1
UMB-2	UMB-2	28" LADDER STEP	4
UMB-3	UMB-3	19" LEFT GUSSET	1
UMB-4	UMB-4	19" RIGHT GUSSET	1
UMB-5	UMB-5	25" TRAPEZE BLOCK	1
UMB-6	UMB-6	16" LEFT MB GUSSET	1
UMB-7	UMB-7	16" RIGHT MB GUSSET	1
UMB-8	UMB-8	96" RIGHT OVERHEAD	1
UMB-9	UMB-9	96" LEFT OVERHEAD	1
UMB-10	UMB-10	103" RIGHT SUPPORT LEG	1
UMB-11	UMB-11	103" LEFT SUPPORT LEG	1

Universal Monkey Bar Accessories

UMA-1	54-1-00001	1 1/4" X 22" PLAYGRIP TUBE PC COATED	6
UMA-2	57-2-00005	1 1/4" PLAYGRIP LADDER HANDLE	2

Universal Monkey Bar Hardware

UMH-1	40-1-00002	1/2" ACORN NUT	6
UMH-2	40-1-00013	1/2" X 7" CARRIGE BOLT	6
UMH-3	40-1-00028	1/2" HEX NUT	6
UMH-4	40-1-00055	1/4" X 3" HEX LAG SCREW	4
UMH-5	40-1-00056	1/4" X 4 1/2" HEX LAG SCREW	16
UMH-6	40-1-00059	3/8" X 3 1/2" HEX LAG SCREW	12
UMH-7	40-1-00070	#14 X 2" PAN PHILLIPS T/S	4
UMH-8	40-1-00074	1/2" SPLIT LOCKWASHER	6
UMH-9	40-1-00081	1/4" USS FLATWASHER	24
UMH-10	40-1-00082	3/8" USS FLATWASHER	12
UMH-11	40-1-00083	1/2" USS FLATWASHER	6
UMH-12	40-1-00084	3/4" USS FLATWASHER	6
UMH-13	40-1-00109	1/2" X 9" HEX BOLT	1
UMH-14	40-1-00111	2" METAL TAP SCREW	12

Universal Monker Bar Lumber

UMB-1
31 3/4" Entrapment Board
QTY. 1



UMB-2
28" Ladder Step
QTY. 4



UMB-3
19" Left Gusset
QTY. 1



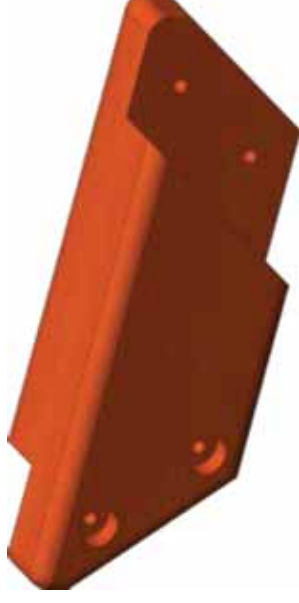
UMB-4
19" Right Gusset
QTY. 1



UMB-5
25" Trapeze Block
QTY. 1



UMB-6
16" Left MB Gusset
QTY. 1



UMB-7
16" Right MB Gusset
QTY. 1



UMB-8
96" Right Overhead
QTY. 1



UMB-9
96" Left Overhead
QTY. 1



Universal Monker Bar Lumber

UMB-10
103" Right Support Leg
QTY. 1



UMB-11
103" Left Support Leg
QTY. 1



UNIVERSAL MONKEY BAR HARDWARE BAG

INSTALLER NOTE: (YOU MUST ASSEMBLE THIS PRODUCT IN ACCORDANCE WITH THESE ASSEMBLY INSTRUCTIONS. WHEN COMPLETE GIVE MANUAL TO OWNER.)

UMH-1
40-1-00002
1/2" Acorn Nut Plated
QTY. 6



UMH-3
40-1-00028
1/2" Hex Nut
QTY. 6



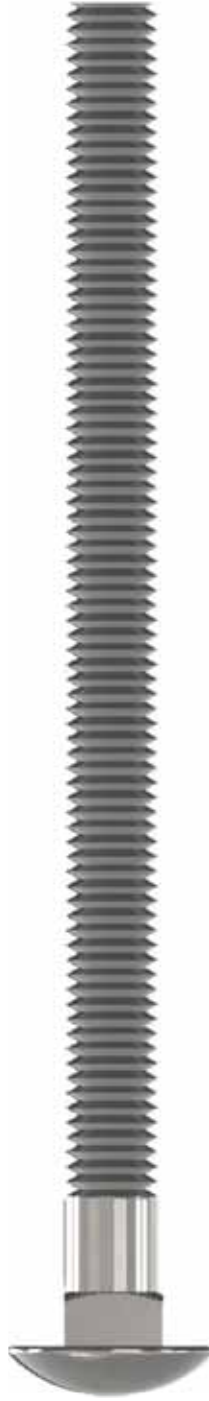
UMH-4
40-1-00055
1/4" x 3" Hex Lag Screw
QTY. 4



UMH-7
40-1-00070
#14 x 2" Pan Phillips T/S
QTY. 4



UMH-2
40-1-00013
1/2" x 7" Carriage Bolt
QTY. 6



UMH-8
40-1-00074
1/2" Split Lockwasher
QTY. 6



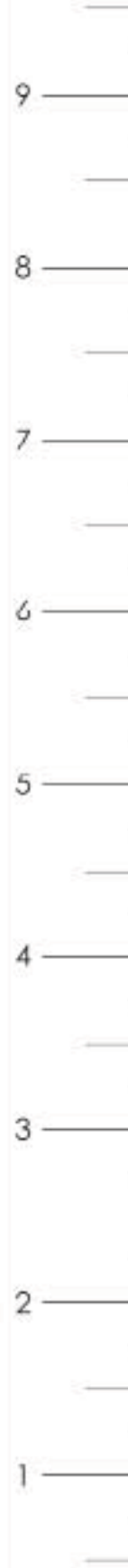
UMH-5
40-1-00056
1/4" x 4 1/2" Hex Lag Screw
QTY. 16



UMH-6
40-1-00059
3/8" x 3 1/2" Hex Lag Screw
QTY. 12



MEASUREMENT TAKEN FROM BOTTOM OF BOLT HEAD TO THE BOTTOM OF BOLT



USE THE RULER TO MEASURE YOUR BOLTS AND SCREWS. HARDWARE VIEWS SHOWN ABOVE ARE 1:1 SCALE AND CAN BE USED TO MATCH HARDWARE SIZES.

UNIVERSAL MONKEY BAR HARDWARE BAG

INSTALLER NOTE: (YOU MUST ASSEMBLE THIS PRODUCT IN ACCORDANCE WITH THESE ASSEMBLY INSTRUCTIONS. WHEN COMPLETE GIVE MANUAL TO OWNER.)

UMH-9

40-1-00081

1/4" USS Flatwasher
QTY. 24



UMH-10

40-1-00082

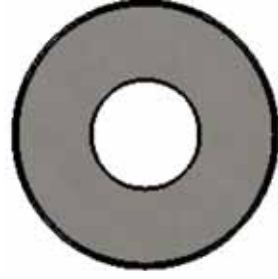
3/8" USS Flatwasher
QTY. 12



UMH-11

40-1-00083

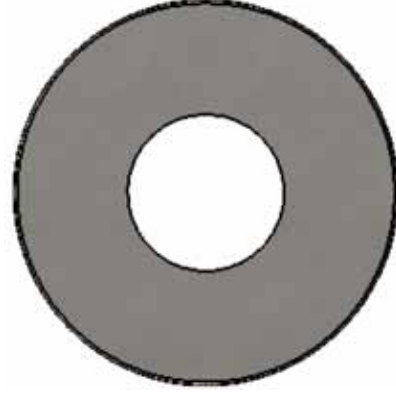
1/2" USS Flatwasher
QTY. 6



UMH-12

40-1-00084

3/4" USS Flatwasher
QTY. 6



UMH-14

40-1-00111

2" Metal Tap Screw
QTY. 12



UMH-13

40-1-00109

1/2" x 9" Hex Bolt
QTY. 1



MEASUREMENT TAKEN FROM BOTTOM OF BOLT HEAD TO THE BOTTOM OF BOLT



USE THE RULER TO MEASURE YOUR BOLTS AND SCREWS. HARDWARE VIEWS SHOWN ABOVE ARE 1:1 SCALE AND CAN BE USED TO MATCH HARDWARE SIZES.

Universal Monkey Bar Accessories

UMA-1

54-1-00001

1 1/4" x 22" Playgrip Tubes

QTY. 6



UMA-2

57-2-00005

1 1/4" Playgrip Ladder Handles

QTY. 2



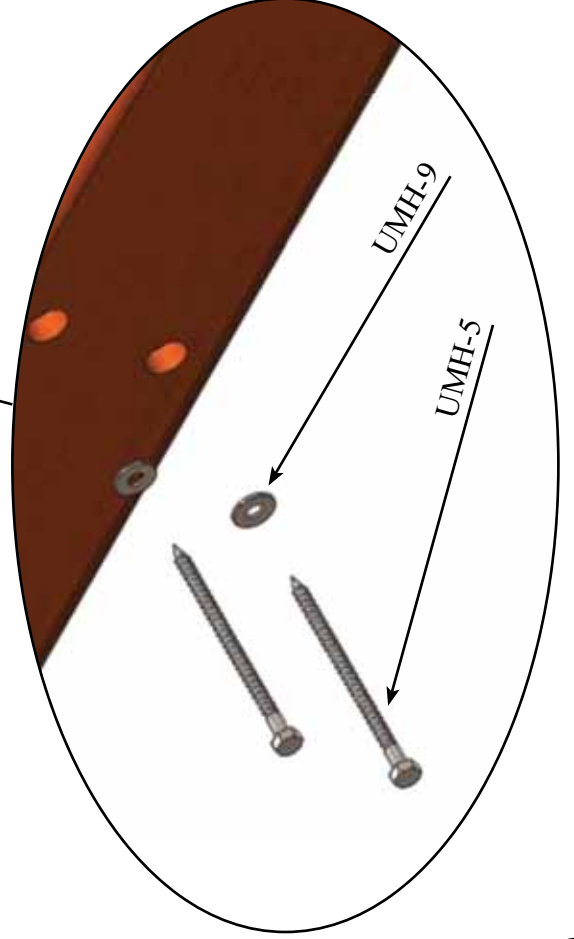
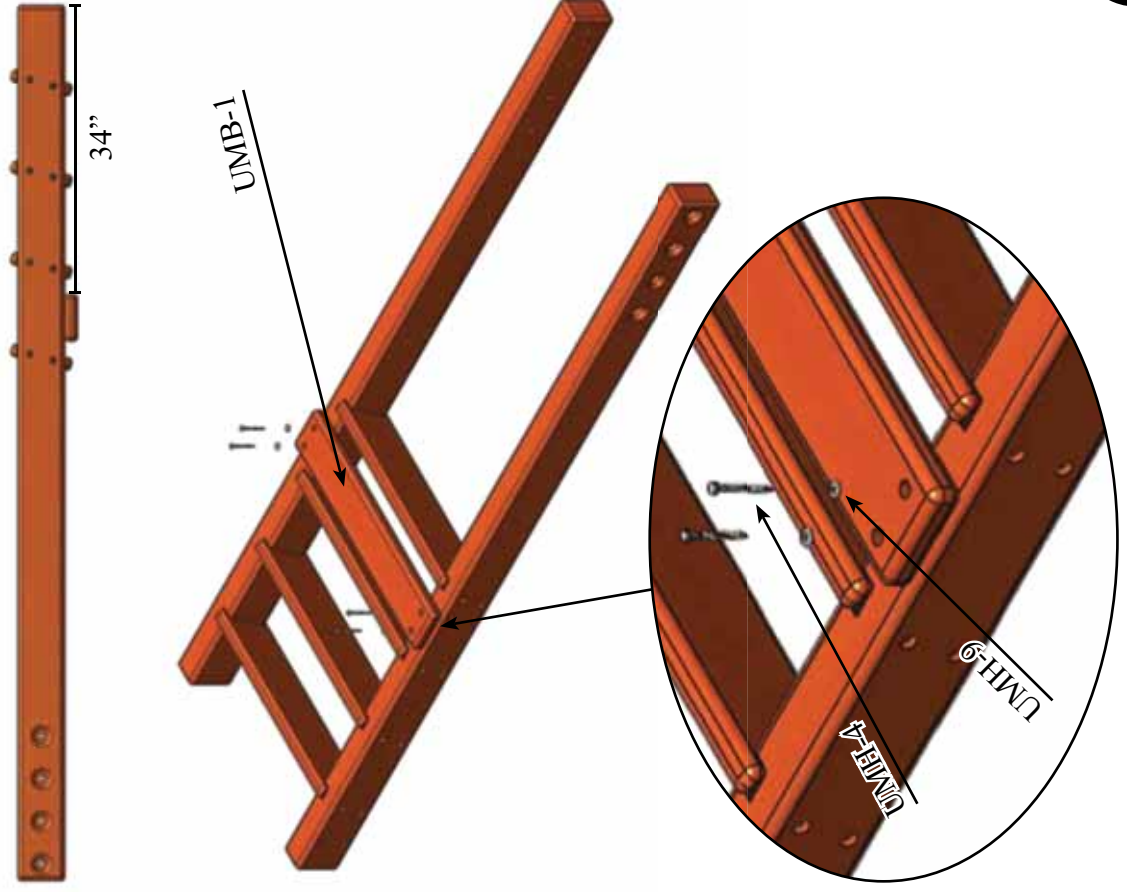
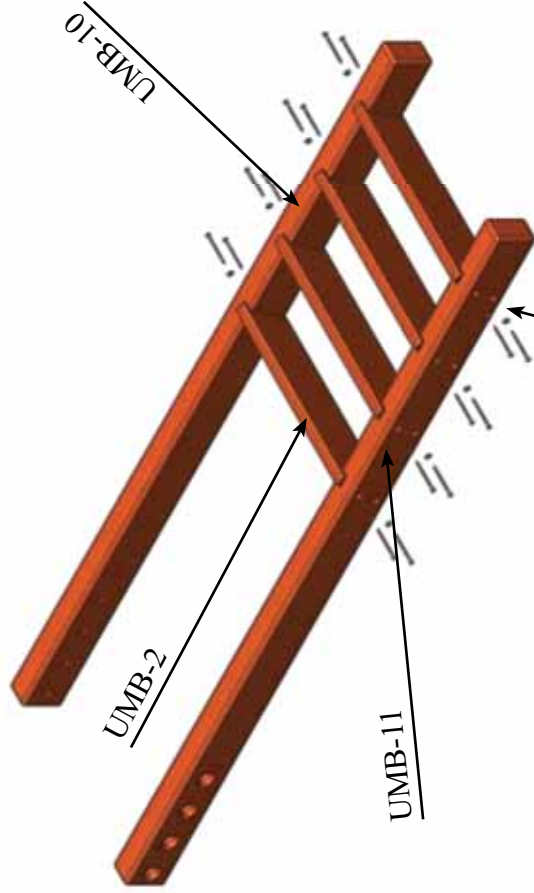
Monkey Bar Support Ladder Assembly

PARTS NEEDED

- UMB-2- Ladder Step- (4)
- UMB-10- Right Support Leg- (1)
- UMB-11- Left Support Leg- (1)
- UMB-1- Entrapment Board- (1)

HARDWARE NEEDED

- UMH-9- 1/4" USS Flatwasher- (20)
- UMH-5- 1/4" x 4 1/2" Lag Screw- (16)
- UMH-4- 1/4" x 3" Lag Screw- (4)



Monkey Bar Overhead Assembly

PARTS NEEDED

- UMB-9- 96" (L) Monkey Bar Overhead- (1)
- UMB-8- 96" (R) Monkey Bar Overhead- (1)
- UMA-1- 1 1/4" x 22" Playgrip Tubes- (6)

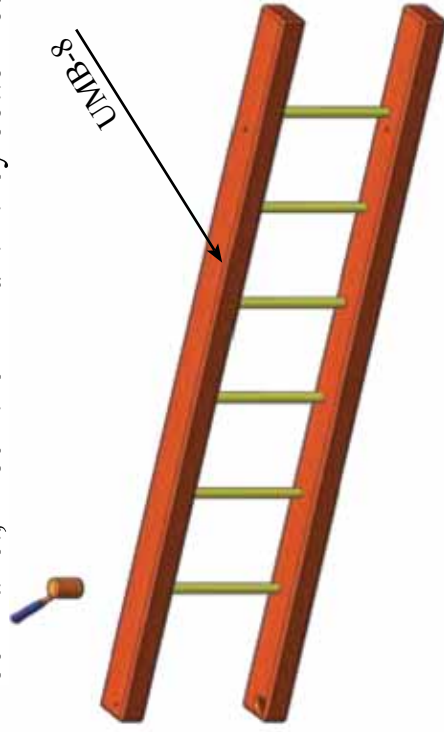
HARDWARE NEEDED

- UMH- 13- 2" Metal Tap Screws- (12)

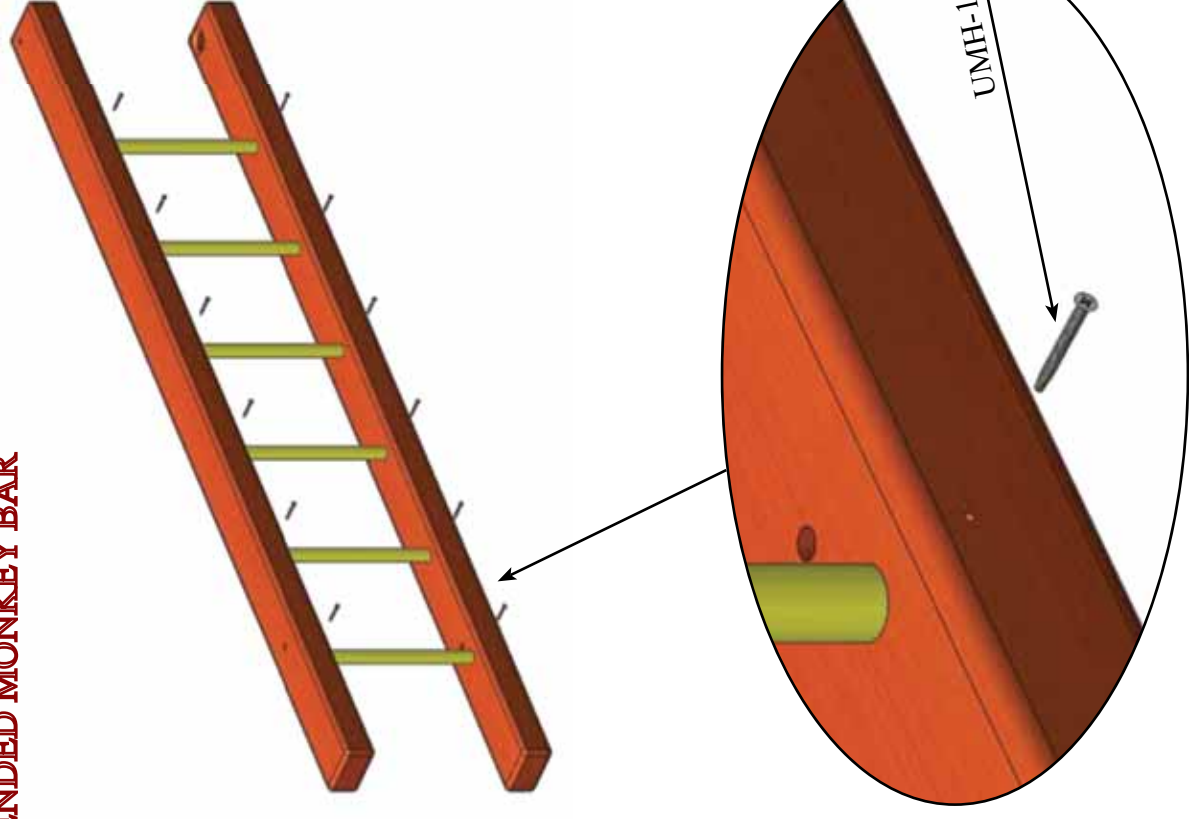
STEPS ARE THE SAME FOR EXTENDED MONKEY BAR



Place the 22" Playgrip Tubes in the holes and using a rubber mallet, knock them in until they bottom out.



Place the (R) Monkey Bar Overhead on the Playgrip Tubes and using a rubber mallet, knock the board down until it bottoms out. Leaving the assembly at 25" wide.



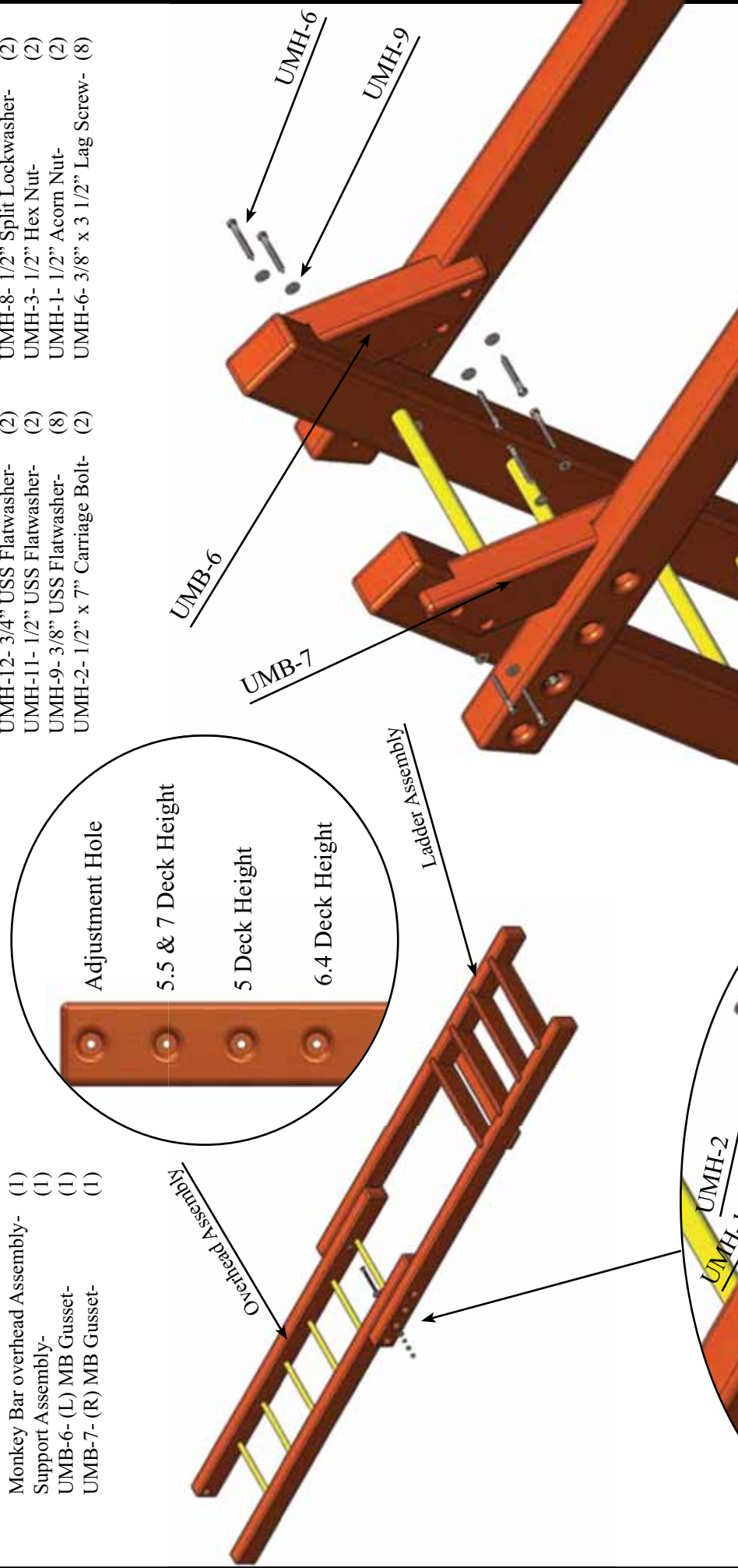
Monkey Bar Assembly

PARTS NEEDED

- Monkey Bar overhead Assembly- (1)
- Support Assembly- (1)
- UMB-6- (L) MB Gusset- (1)
- UMB-7- (R) MB Gusset- (1)

HARDWARE NEEDED

- UMH-12- 3/4" USS Flatwasher- (2)
- UMH-11- 1/2" USS Flatwasher- (2)
- UMH-9- 3/8" USS Flatwasher- (8)
- UMH-2- 1/2" x 7" Carriage Bolt- (2)
- UMH-8- 1/2" Split Lockwasher- (2)
- UMH-3- 1/2" Hex Nut- (2)
- UMH-1- 1/2" Acorn Nut- (2)
- UMH-6- 3/8" x 3 1/2" Lag Screw- (8)



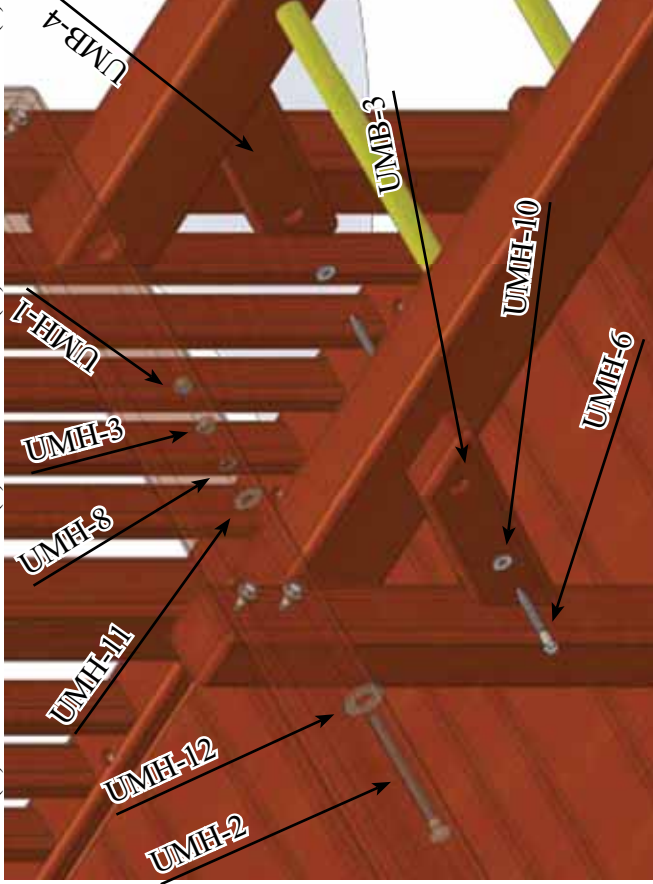
Grab the Monkey Bar Overhead at the rung that is in the center and pull up scissoring the Monkey Bar Overhead and the Monkey Bar Support. Now facing the Monkey Bar Support place your Left Monkey Bar Gusset on the inside of the board and push up until it touches the Monkey Bar Overhead. Have your helper pull out on the Monkey Bar Support until the notches on the Left Monkey Bar Gusset are flat against the Monkey Bar Support and the Monkey Bar Overhead. **Be careful and do not let the assembly scissor back down as this can cause an injury or damage your Monkey Bars.**

Place a 3/8" Flatwasher over a 3/8" x 3 1/2" Hex Lag Screw and attach the Left Monkey Bar Gusset to the Monkey Bar Overhead and Monkey Bar Support Ladder. Repeat this process on the right side. Now tighten the 1/2" Hex Nuts, put on the 1/2" Acorn Nut and lightly tighten. Do not over tighten.

5 & 5.5 Fort Monkey Bar Assembly

HARDWARE NEEDED

UMH-12- 3/4" USS Flatwasher-	(2)	UMH-8- 1/2" Split Lockwasher-	(2)
UMH-11- 1/2" USS Flatwasher-	(2)	UMH-3- 1/2" Hex Nut-	(2)
UMH-3- 1/2" Acorn Nut-	(2)	UMH-2- 1/2" x 7" Carriage Bolt-	(2)
UMH-10- 3/8" USS Flatwasher-	(4)	UMH-6- 3/8" x 3 1/2" Lag Screw-	(4)
UMB-3- (L) Gusset-	(1)	UMB-4- (R) Gusset-	(1)

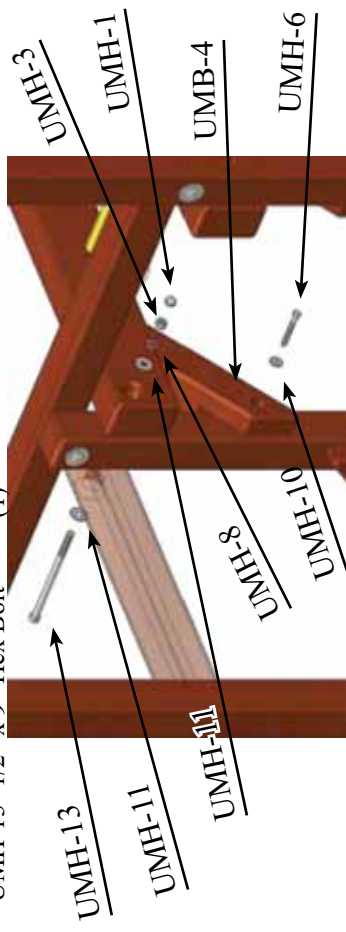


This step is only if you purchased a 5 or 5.5 Fort. Line up Monkey Bar Overhead countersunk holes with the holes below your 6 Hole Facia. Place a 3/4" Flatwasher over a 1/2" x 7" Carriage Bolt and then insert thru the hole into the countersunk hole in the Monkey Bar Overhead. Place a 1/2" Washer, 1/2" Lockwasher over the 1/2" x 7" Carriage Bolt end inside the Monkey Bar Overhead. Thread the 1/2" Hex Nut on to the 1/2" x 7" Carriage Bolt. Repeat this process on the other side. Now tighten the 1/2" Hex Nuts, put on the 1/2" Acorn Nut and lightly tighten. Do not over tighten. Place Left Gusset Bracket and attach with 2 - 3/8" x 3 1/2" Hex Lag Screw with 3/8" Flatwashers on them. Repeat this process for the Right Gusset Bracket on other side.

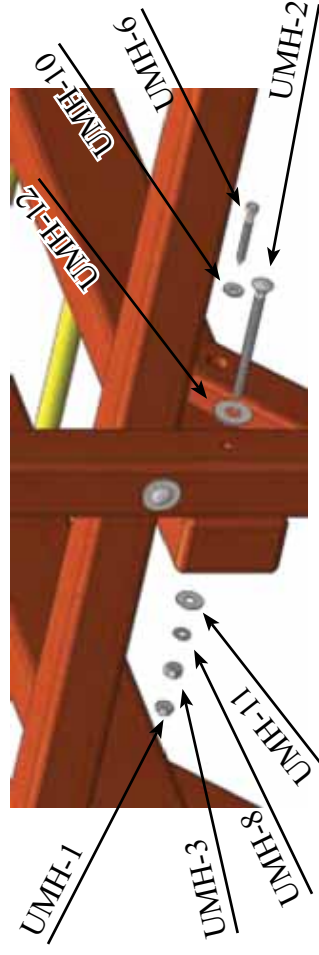
5 & 5.5 Playcenter M Bar Assembly

HARDWARE NEEDED

UMH-12- 3/4" USS Flatwasher-	(2)	UMH-8- 1/2" Split Lockwasher-	(2)
UMH-11- 1/2" USS Flatwasher-	(3)	UMH-3- 1/2" Hex Nut-	(2)
UMH-1- 1/2" Acorn Nut-	(2)	UMH-2- 1/2" x 7" Carriage Bolt-	(2)
UMH-10- 3/8" USS Flatwasher-	(4)	UMH-6- 3/8" x 3 1/2" Lag Screw-	(4)
UMH-13- 1/2" x 9" Hex Bolt-	(1)		



Remove the 1/2" x 7" Carriage Bolt and Hardware from the Corner Post. Then line up Monkey Bar Overhead countersunk holes with the holes in the Playcenter as seen above. Place a 1/2" Washer over the 1/2" x 9" Hex Bolt and then insert thru the Front Beam, then thru the Corner Post, and into the countersunk hole in the Monkey Bar Overhead. Place a 1/2" Washer, 1/2" Lockwasher over the 1/2" x 9" Hex Bolt end inside the Monkey Bar Overhead. Thread the 1/2" Hex Nut on to the 1/2" x 9" Hex Bolt. Place Right Gusset Bracket and attach with 2 - 3/8" x 3 1/2" Hex Lag Screw with 3/8" Flatwashers on them.

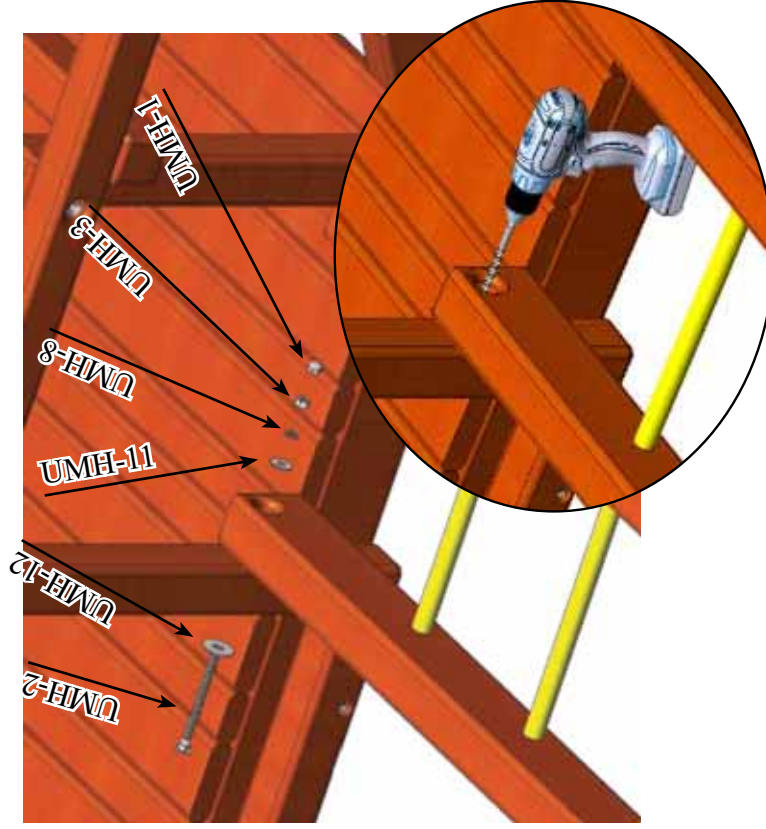


On the other side place a 3/4" Flatwasher over a 1/2" x 7" Carriage Bolt and then insert thru the hole into the countersunk hole in the Monkey Bar Overhead. Place a 1/2" Washer, 1/2" Lockwasher over the 1/2" x 7" Carriage Bolt end inside the Monkey Bar Overhead. Thread the 1/2" Hex Nut on to the 1/2" x 7" Carriage Bolt. Now tighten the 1/2" Hex Nuts, put on the 1/2" Acorn Nut and lightly tighten. Do not over tighten. Place Left Gusset Bracket and attach with 2 - 3/8" x 3 1/2" Hex Lag Screw with 3/8" Flatwashers on them.

6.4 & 7 Monkey Bar Assembly

HARDWARE NEEDED

UMH-12- 3/4" USS Flatwasher-	(2)	UMH-8- 1/2" Split Lockwasher-	(2)
UMH-11- 1/2" USS Flatwasher-	(2)	UMH-3- 1/2" Hex Nut-	(2)
UMH-1- 1/2" Acorn Nut-	(2)	UMH-2- 1/2" x 7" Carriage Bolt-	(2)

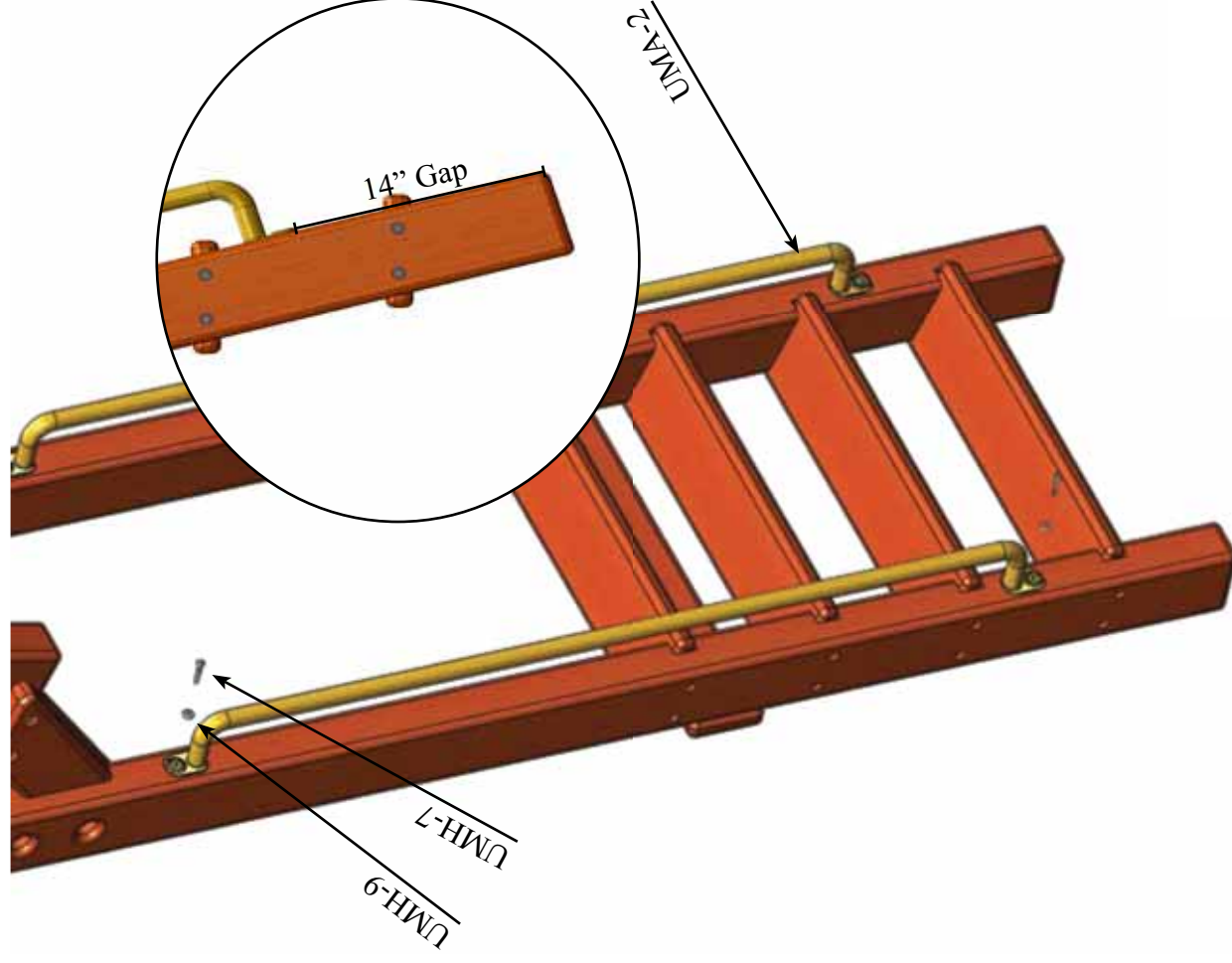


Set the Monkey Bar overhead on the deck(Fort) or line up the bottom of the Monkey Bar Overhead with the top of the Deck(Playcenter) and insert Monkey Bar Overhead in between the Corner Post and the Center Post. Make sure the ends of the Monkey Bar Overhead is flush with the inside of Corner Post and Center Post and then drill (see Figure 2) thru the Monkey Bar Overhead countersinks thru the Corner Post and Center Post. (On a playcenter swingset you will need to remove the Gusset on the Corner Post prior to drilling and then put the Gusset back on once all the Hardware is installed and tightened.) Place a 3/4" Flatwasher over a 1/2" x 7" Carriage Bolt and then insert thru the hole into the countersunk hole in the Monkey Bar Overhead. Place a 1/2" Washer, 1/2" Lockwasher over the 1/2" x 7" Carriage Bolt end inside the Monkey Bar Overhead. Thread the 1/2" Hex Nut on to the 1/2"x 7" Carriage Bolt. Repeat this process on the other side. Now tighten the 1/2" Hex Nuts, put on the 1/2" Acorn Nut and lightly tighten. Do not over tighten.

Safety Handle Install

HARDWARE NEEDED

UMH-7- #14 x 2 " Pan Phillips-	(4)	UMH-9- 1/4" USS Flatwasher-	(4)
UMA-2- 1 1/4" Playgrip Ladder Handles-	(2)		





AMERICA'S BEST VALUE IN SWING SETS.™

Universal Loft Install Manual

Version 6.14



Tools Needed for Assembly

Tape Measure	24" Level	Angle Square
Phillips Screw Driver	3/8" Cordless Drill or Electric Drill	3/8" Drive Ratchet or Electric Impact Gun
Claw Hammer or Rubber Mallet	Pliers or Vise Grips	7/16" Deep Well Socket
9/16" Deep Well Socket	3/4" Deep Well Socket	1/8", 1/4", and 9/16" Drill Bits
Phillips Head Screw Bits	An Adult with two Adult Helpers	

Please familiarize yourself with the install manual, parts/components and general construction process of your new swing set before getting started. Approximate assembly time: 6 to 8 hours. 6 foot unobstructed safety perimeter around swing set recommended.

Choosing A Location For Your Playset

When choosing a location for your swing set, always keep your child or children's safety in mind. Here are some recommendations to help you locate and install a safe play area.

- This play set is designed for the use of 4 occupants who have a combined weight not exceeding 800 pounds on the elevated floor; 3 occupants who have a combined weight of 525 pounds on the swing area; for a total Unit capacity of 5 occupants who have a combined weight of 1325. (this weight is not including the picnic table area)
- On-site adult supervision is required.
- The swing set should be located on level ground. The stationary components such as ladders and slides are required to be a minimum of six feet from any structure or obstruction such as a fence, garage, house, tree, overhanging branches, electrical wires, clotheslines, etc. Any swinging equipment is also required to be a minimum distance twice the height of the swing beam away from these obstructions or structures as well. The swing set should be located a safe distance from any water hazards, such as a lake, river, bayou, swimming pool, etc.
- Do not install this residential swing set in a commercial setting. This swing set is not manufactured for commercial usage and will void all warranties. Tree Frogs Wooden Swing Set Factory is not responsible for any damages or injuries resulting from this swing set being used in a commercial setting.
- Never install this swing set indoors; or over concrete, asphalt, packed earth, grass, carpet or any other hard surface. A fall onto a hard surface can result in serious or fatal injury.
- The U.S. Consumer Product Safety Commission (CPSC) recommends that you install and maintain a resilient surface under your swing set. The CPSC's Consumer Information Sheet for Playground Surfacing Materials is on the next page. A resilient surface, should be installed after the swing set has been completely assembled according to these instructions. The swing set must rest on solid ground. Please note that this swing set has a maximum fall height of 7'.

Maintaining Your Swing Set

Here are some maintenance tips required to insure safe play on your swing set for years of fun.

- At the beginning of each usage season and every two weeks during, check: nuts and bolts and tighten as needed, swing seats, chains, ladders, slides, rope and wood components for sign of deterioration and replace if necessary.
- On a yearly basis, we recommend that you coat your swing set with a sealant or preservative. You may also want to spot sand any areas prior to sealing.

**** Special note:** Although we recommend that you reseal your swing set annually, you may have to touch up the high traffic areas and/or areas that have a high exposure to direct sunlight.**

- Be sure that the sealant you select is non-toxic and child safe. Your local Tree Frogs Wooden Swing Set Factory dealer may offer a complete power wash and reseal and maintenance program.
- Do not use line trimmers or "weed eaters" around your swing set. The line will remove both paint and wood from uprights and base pieces. Any damage resulting from this type of abuse is not covered under our limited warranty.
- Remove plastic swing seats and take in doors or do not use when temperature drops below 0°F.

Weight Limits for Tree Frogs Swing Sets

Fort Platform: 800 Lbs. Total Weight

Full Bucket Swing: 50 Lbs.

Rope Ladder: 75 Lbs.

Swing Belts: 175 Lbs.

Toddler Bucket Swing: 50 Lbs.

Rock Wall: 150 Lbs.

Trapeze: 125 Lbs.

Tire Swing: 125 Lbs. Total Weight

All Slides: 125 Lbs.

Tree Frogs recommends that the weight limits for all components must not be exceeded. Failure to adhere to these and other safety guidelines could result in damage to the swing set and/or injury to the users.

Please keep this install manual for future reference.

To insure SAFE PLAY adults must teach children:

- Not to walk close to, in front of, behind, or between moving items.
- Not to swing empty swing seats.
- Not to swing sideways into the path of adjacent swings.
- Not to use the swing set in a manner other than that for which it is intended.
- Not to get off the equipment while it is in motion.
- Not to jump off the tower.
- Not to stand in the swing seats.
- Not to swing so high that chains become slack, or above the height of the swing support.
- Not to jump on a slide.
- Not to climb on top of the swing support.
- Not to attach to the swing set any item that is not specifically designed for use with the equipment, such as (but not limited to) jump ropes, clotheslines, pet leashes, cables, and chains. These may become strangulation hazards.
- To hold on to swings and climbers with both hands.
- To slide feet first, never head first.
- To watch for other children while swinging or playing near the swing set.

To also insure SAFE PLAY adults must:

- Limit climbing and swinging heights to each child's ability.
- Verify that suspended climbing ropes are secured at both ends.
- Verify that suspended climbing ropes cannot be looped back on themselves.
- Dress children appropriately for play. Use well-fitted shoes that do not have slippery soles.
- Avoid ponchos, scarves, hoods, loose fitting clothing, neckties, and any clothing with a drawstring. Serious injury could result should any part of the children's clothing become entangled in the swing set.
- Do not allow children to play wearing helmets.
- Remember that children are inventive. When they develop games that are unsafe, be alert and change the rules.

IMPORTANT - PLEASE READ

As fresh lumber acclimates to its new environment, the natural tendencies of the tree can show itself in the form of checks, or "cracks" in the lumber. In almost all cases this is normal and it will not affect the structural integrity of your play set.

Cosmetic defects that do not affect the structural integrity of the product, or natural defects of wood such as warping, checking or any other physical properties of wood that do not present a safety hazard, are not covered by this warranty.

Defects that develop because the product is exposed to extreme climate conditions are not covered by this warranty.

Defects that develop as a result of faulty or improper installation of the product are also not covered by this warranty.

Most cracks are not warrantable, however if you believe that the integrity of your play set is compromised by this natural occurrence, please contact the Tree Frogs Swing Set Dealer that you purchased your swing set from.

We appreciate your purchase and know that you will enjoy your play system for many years to come.

Pre-Assembly Hints

- Depending on your experience, assembly of our play sets can take as little as 6 hours up to 24 hours, depending on size, after inventory of parts; therefore, we recommend you set aside a full two days for assembly.
- Identify all of the parts for your play set. Empty each box and lay out boards so you can see each part. Your instruction book will have detailed drawings that will make it easy for you to recognize individual parts. Keep all hardware and metal parts separate from wooden pieces.
- After everything is laid out, check carefully to ensure all parts are present. Make sure there are no broken boards.
- Find an area to sort your hardware. It is best to open the hardware on a solid surface so that you do not lose any pieces in the grass. This will save time and familiarize you with all the different pieces in the hardware bag.

****Important note:** Wood has some natural defects such as knots, surface cracks, etc... We reject parts that are structurally defective. We use a high quality lumber in our structures; however, you should inspect each part for splinters or rough spots and sand them smooth to prevent injury.**

- After familiarizing yourself with all of the components, read all instructions thoroughly. Reading instructions after you have studied the parts will help you understand more clearly the installation process, and help to eliminate unnecessary mistakes.
- Pay close attention to the diameter and length of each bolt and screw.
- Never tighten hardware completely at first. It helps to have some adjustment for bolt alignment while you are attaching parts together. After everything is square, tighten each joint.
- After the main unit is assembled it is critical that the floor is level and square. If the main frame is not level, the walls and floor will be out of square.
- After you complete installation, make sure every bolt, screw, and nut is tight, and every board is secure. Wood will expand and contract with the seasons.
- Place the set on level ground, not less than 6ft from any structure or obstruction such as a fence, garage, house, overhanging branches, laundry lines, or electrical wires.
- All 1/4" and 3/8" lag bolts must have pre-drilled holes 1-1/2" to 2" deep. Use a 1/8" drill bit for the 1/4" lag bolts and 1/4" drill bit for 3/8" lag bolts. Use pre-drilled holes in facias as a reference for placing lag bolt pilot holes.
- If a board lifts or rises causing a gap between boards when running in lag bolts or screws, back out the screw or lag bolt and press or apply pressure (but not enough to crack or break board) while re-running in the lag bolt or screw in the same hole.
- Do not over tighten bolts, lag bolts or screws. You can damage boards, break hardware, and/or strip out the hardware.
- When using hammer do not beat on the hardware, but gently tap it in. Never beat on the wood as it will leave marks.

Leveling Your Swing Set During Assembly

- Complete the steps which will be the basic frame of the fort {i.e. four corner posts with base (sand box boards) and deck supports}
- Position in the most level area chosen for the play set, keeping in mind the location and size of the swing beam, ladder, slides, etc. that extend off the fort.
- Once the frame is in the final position, check for vertical and horizontal levelness to determine which side(s) will need to be dug into the ground to level the play set.
- With a shovel, score the ground around the outside edges of the sandbox boards on the 'high' side of the fort. This is the area that will be dug in. Make sure to score deep enough; the scored lines will be your digging template.
- Push the frame off and away from the scored area, far enough to dig and remove dirt to reach the appropriate depth.
- Dig a channel along the scored line(s) for the base of the fort (corner post and sandbox boards) to rest into. Dig the channel(s) to the same level depth. The bottom of the channel(s) should be level to each other so your frame doesn't teeter or rock because the channel(s) are uneven.
- Once you have removed enough grass and dirt, slide/push the frame into the channel(s). Place a level on the vertical and horizontal boards of the frame to determine if enough soil, or too much, was removed.
- Repeat this process until the basic frame is plumb and level and in its final position before completing the rest of the assembly.
- Measure to make sure fort is square.

**** Important:** if you require a channel depth of more than 6",
then we recommend you have your play set area professionally graded before completing assembly. **

CONSUMER INFORMATION SHEET FOR PLAYGROUND SURFACING MATERIALS

The U.S. Consumer Product Safety Commission (CPSC) estimates that about 100,000 playground equipment related injuries resulting from falls to the ground surface are treated annually in U.S. hospital emergency rooms. Injuries involving this hazard pattern tend to be among the most serious of all playground injuries, and have the potential to be fatal, particularly when the injury is to the head. The surface under and around playground equipment can be a major factor in determining the injury-causing potential of a fall. It is self-evident that a fall onto a shock-absorbing surface is less likely to cause a serious injury than a fall onto a hard surface. However, it should be recognized that some injuries from falls will occur no matter what playground surfacing material is used.

Playground equipment should never be placed on hard surfaces such as concrete or asphalt. Grass may appear to be acceptable, but can turn to hard packed earth in areas of high traffic. Shredded bark mulch, wood chips, or fine gravel are considered to be acceptable shock absorbing surfaces when installed and maintained at a sufficient depth under and around play equipment.

TABLE 1 -CRITICAL HEIGHTS (in feet) OF TESTED MATERIAL

MATERIAL	UNCOMPRESSED DEPTH			COMPRESSED DEPTH
	6 Inch	9 Inch	12 Inch	9 inch
Wood Chips	7	10	11	10
Double Shredded Bark Mulch	6	10	11	7
Engineered Wood Fibers	6	7	>12	6
Fine Sand	5	5	9	5
Coarse Sand	5	5	6	4
Fine Gravel	6	7	10	6
Medium Gravel	5	5	6	5
Shredded Tires**	10-12	N/A	N/A	N/A

** This is data from tests conducted by independent testing laboratories on a 6 inch depth of uncompressed shredded tire samples produced by four manufacturers. The test reported critical heights, which varied from 10 feet to greater than 12 feet. It is recommended that persons seeking to install shredded tires as a protective surface request test data from the supplier showing the critical height of the material when it was tested in accordance with ASTM F1292.

Table 1 should be read as follows: If, for example, uncompressed wood chips are used at a minimum of 6 inches, the Critical Height is 7 feet. If 9 inches of uncompressed wood chips are used, the Critical Height is 10 feet. It should be noted that, for some materials, the Critical Height decreases when the material is compressed. It is recommended that a shock absorbing material should extend a minimum of 6 feet in all directions from the perimeter of stationary equipment such as climbers and slides. However, because children may deliberately jump from a moving swing, the shock absorbing material should extend in the front and rear of a swing a minimum distance of 2 times the height of the pivot point measured from a point directly beneath the pivot on the supporting structure.

This information is intended to assist in comparing the relative shock-absorbing properties of various materials. No particular material is recommended over another. However, each material is only effective when properly maintained. Materials should be checked periodically and replenished to maintain correct depth as determined necessary for your equipment. The choice of a material depends on the type and height of the playground equipment, the availability in your area, and its cost.

This information has been extracted from the CPSC publications "Playground Surfacing-Technical Information Guide" and "Handbook for Public Playground Safety." Copies of these reports can be obtained by sending a postcard to:

Office of Public Affairs
U.S. Consumer Product Safety Commission
Washington, D.C. 20207
Toll-free Hotline: 1-800-638-2772 or at <http://www.cpsc.gov>

Universal Loft- Base Lumber

Item No.	Part No.	Part Description	QTY.
ULB-1	ULB-1	60 1/4" 3 HOLE FACIA	2
ULB-2	ULB-2	28 1/2" RAIL SPINDLE	20
ULB-3	ULB-3	25" UNIVERSAL RAIL TOP	4
ULB-4	ULB-4	25" UNIVERSAL FILLER	4
ULB-5	ULB-5	25" DECK RUNNER	4
ULB-6	ULB-6	25" RAIL BOTTOM	4
ULB-7	ULB-7	32" DECK BOARD	2
ULB-8	ULB-8	53" TOP JOIST	2
ULB-9	ULB-9	60 1/8" TARP CENTER	1
ULB-10	ULB-10	62.7/8" TARP SIDE FACIA	2
ULB-11	ULB-11	32" LARGE DECK BOARD	8
ULB-12	ULB-12	32" 6 HOLE FACIA	2
ULB-13	ULB-13	60 1/8" 6 HOLE FACIA	2
ULB-14	ULB-14	32 5/16" TARP UPRIGHT	2

Standard Loft- Lumber

SL-1	SL-1	28" SPIRAL SLIDE FILLER BOARD	2
SL-2	SL-2	32" ENTRAPMENT FACIA	1
SL-3	SL-3	25" ENTRAPMENT BOARD	1
SL-4	SL-4	25" ENTRAPMNET BOARD	1
SL-5	SL-5	41" CENTER UPRIGHT	2
SL-6	SL-6	46" CORNER POST	4
SL-7	SL-7	25" ENTRAPMENT BLOCK	2

Universal Loft- Wood Roof Lumber

ULWR-1	ULWR-1	6 5/16" SHORT FAN BOARD	4
ULWR-2	ULWR-2	8 7/16" CENTER FAN BOARD	2
ULWR-3	ULWR-3	28 3/4" BOTTOM FAN BOARD	2
ULWR-4	ULWR-4	37" CENTER SUPPORT	2
ULWR-5	ULWR-5	11 1/16" PEAK SUPPORT	2
ULWR-6	ULWR-6	11 7/16" FAN CAP	2
ULWR-7	ULWR-7	39 3/8" WOOD ROOF SUPPORTS	4
ULWR-8	ULWR-8	62 7/8" WOOD ROOF BOARD	18

Universal Loft- Base Hardware

Item No.	Part No.	Part Description	QTY.
UBH-1	40-1-00022	2 1/2" COATED DECK SCREW	120
UBH-2	40-1-00054	1/4" X 2" HEX LAG SCREW	2
UBH-3	40-1-00055	1/4" X 3" HEX LAG SCREW	8
UBH-4	40-1-00056	1/4" X 4 1/2" HEX LAG SCREW	24
UBH-5	40-1-00059	3/8" X 3 1/2" HEX LAG SCREW	36
UBH-6	40-1-00081	1/4" USS FLATWASHER	32
UBH-7	40-1-00082	3/8" USS FLATWASHER	36

Standard Loft- Hardware

SLH-1	40-1-00055	1/4" X 3" HEX LAG SCREW	4
SLH-2	40-1-00059	3/8" X 3 1/2" HEX LAG SCREW	12
SLH-3	40-1-00061	3/8" X 5" HEX LAG SCREW	12
SLH-4	40-1-00081	1/4" USS FLATWASHER	4
SLH-5	40-1-00082	3/8" USS FLATWASHER	28
SLH-6	40-1-00096	3/8" X 7" HEX LAG SCREW	4

Univeral Loft- Wood Roof Hardware

WRH-1	40-1-00001	3/8" ACORN NUT	4
WRH-2	40-1-00007	3/8" X 3 1/2" CARRIAGE BOLT	4
WRH-3	40-1-00019	1 1/4" COATED DECK SCREW	18
WRH-4	40-1-00022	2 1/2" COATED DECK SCREW	4
WRH-5	40-1-00026	3/8" HEX NUT	4
WRH-6	40-1-00040	3/8" X 1" HEX NUT	6
WRH-7	40-1-00073	3/8" SPLIT LOCKWASHER	4
WRH-8	40-1-00080	3/8" 4 PRONG T-NUT	6
WRH-9	40-1-00082	3/8" USS FLATWASHER	10
WRH-10	40-1-00083	1/2" USS FLATWASHER	4
WRH-11	40-1-00104	2" COATED DECK SCREW	8
WRH-12	40-1-00123	1 1/2" COATED DECK SCREW	116

Univeral Loft- Accessories

ULA-1	37-1-00020	BINOCULARS	1
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Universal Loft- Base Lumber

ULB-1
60 1/4" 3 Hole Facia
QTY. 2



ULB-2
28 1/2" Rail Spindle
QTY. 20



ULB-3
25" Rail Top
QTY. 4



ULB-4
25" Universal Filler
QTY. 4



ULB-5
25" Deck Runner
QTY. 4



ULB-6
25" Rail Bottom
QTY. 4



ULB-7
32" Deck Board
QTY. 2



ULB-8
53" Top Joist
QTY. 2



ULB-9
60 1/8" Tarp Center
QTY. 1



Universal Loft- Base Lumber

ULB-10
62 7/8" Tarp Side Facia
QTY. 2



ULB-11
32" Large deck Board
QTY. 8



ULB-12
32" 6 Hole Facia
QTY. 2



ULB-13
60 1/8" 6 Hole Facia
QTY. 2



ULB-14
32 5/16" Tarp Upright
QTY. 2



Standard Loft- Lumber

SL-1
28" Spiral Slide Filler Board
QTY. 2



SL-2
32" Entrapment Facia
QTY. 1



SL-3
25" Entrapment Board
QTY. 1



SL-4
25" Entrapment Board
QTY. 1



SL-5
41" Center Upright
QTY. 2



SL-6
46" Corner Post
QTY. 4



SL-7
25" Entrapment Block
QTY. 2



Universal Loft- Wood Roof Lumber

ULWR-1

6 5/16" Short Fan Board
QTY. 4



ULWR-2

8 7/16" Center Fan Board
QTY. 2



ULWR-3

28 3/4" Bottom Fan Board
QTY. 2



ULWR-4

37" Center Support
QTY. 2



ULWR-5

11 1/16" Peak Support
QTY. 2



ULWR-6

11 7/16" Fan Cap
QTY. 2



ULWR-7

39 3/8" Wood Roof Supports
QTY. 4



ULWR-8

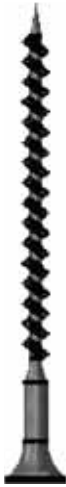
62 7/8" Wood Roof Board
QTY. 18



UNIVERSAL LOFT BASE HARDWARE

INSTALLER NOTE: (YOU MUST ASSEMBLE THIS PRODUCT IN ACCORDANCE WITH THESE ASSEMBLY INSTRUCTIONS. WHEN COMPLETE GIVE MANUAL TO OWNER.)

UBH-1
40-1-00022
2 1/2" Coated Deck Screw
QTY. 120



UBH-2
40-1-00054
1/4" x 2" Hex Lag Screw
QTY. 12



UBH-3
40-1-00055
1/4" x 3" Hex Lag Screw
QTY. 8



UBH-4
40-1-00056
1/4" x 4 1/2" Hex Lag Screw
QTY. 24



UBH-5
40-1-00059
3/8" x 3 1/2" Hex Lag Screw
QTY. 36



UBH-6
40-1-00081
1/4" USS Flatwasher
QTY. 32



UBH-7
40-1-00082
3/8" USS Flatwasher
QTY. 36



MEASUREMENT TAKEN FROM BOTTOM OF BOLT HEAD TO THE BOTTOM OF BOLT



USE THE RULER TO MEASURE YOUR BOLTS AND SCREWS. HARDWARE VIEWS SHOWN ABOVE ARE 1:1 SCALE AND CAN BE USED TO MATCH HARDWARE SIZES.

UNIVERSAL LOFT STANDARD HARDWARE

INSTALLER NOTE: (YOU MUST ASSEMBLE THIS PRODUCT IN ACCORDANCE WITH THESE ASSEMBLY INSTRUCTIONS. WHEN COMPLETE GIVE MANUAL TO OWNER.)

SLH-1
40-1-00055
1/4" x 3" Hex Lag Screw
QTY. 4



SLH-4
40-1-00081
1/4" USS Flatwasher
QTY. 4



SLH-2
40-1-00059
3/8" x 3 1/2" Hex Lag Screw
QTY. 12



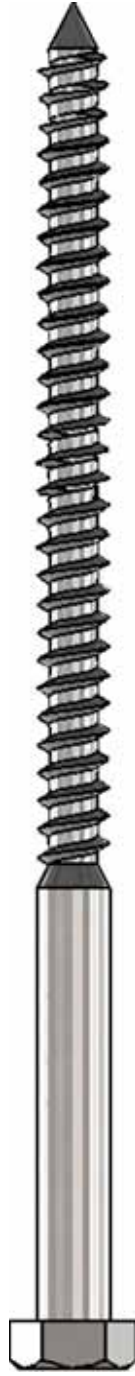
SLH-3
40-1-00061
3/8" x 5" Hex Lag Screw
QTY. 12



SLH-5
40-1-00082
3/8" USS Flatwasher
QTY. 28



SLH-7
40-1-00096
3/8" x 7" Hex Lag Screw
QTY. 4



MEASUREMENT TAKEN FROM BOTTOM OF BOLT HEAD TO THE BOTTOM OF BOLT



USE THE RULER TO MEASURE YOUR BOLTS AND SCREWS. HARDWARE VIEWS SHOWN ABOVE ARE 1:1 SCALE AND CAN BE USED TO MATCH HARDWARE SIZES.

UNIVERSAL LOFT STANDARD HARDWARE

INSTALLER NOTE: (YOU MUST ASSEMBLE THIS PRODUCT IN ACCORDANCE WITH THESE ASSEMBLY INSTRUCTIONS. WHEN COMPLETE GIVE MANUAL TO OWNER.)

WRH-1
40-1-00001
3/8" Acorn Nut Plated
QTY. 4



WRH-2
40-1-00007
3/8" x 3 1/2" Carriage Bolt
QTY. 4



WRH-3
40-1-00019
1 1/4" Coated Deck Screw
QTY. 18



WRH-4
40-1-00022
2 1/2" Coated Deck Screw
QTY. 4



WRH-5
40-1-00026
3/8" Hex Nut
QTY. 4



WRH-6
40-1-00040
3/8" x 1" Hex Nut
QTY. 6



WRH-7
40-1-00073
3/8" Split Lockwasher
QTY. 4



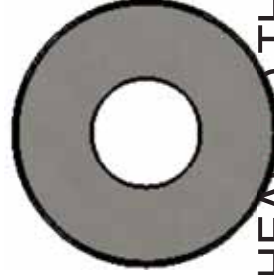
WRH-8
40-1-00080
3/8" 4 Prong T-Nut
QTY. 6



WRH-9
40-1-00082
3/8" USS Flatwasher
QTY. 10



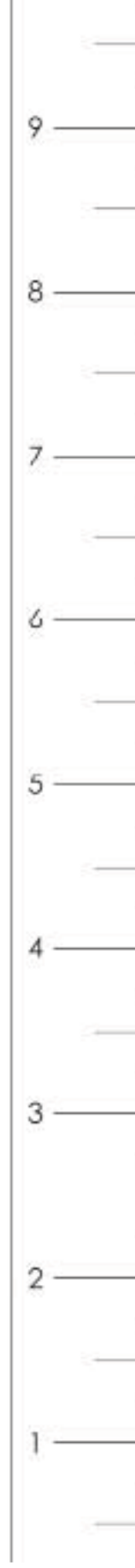
WRH-10
40-1-00082
1/2" USS Flatwasher
QTY. 4



WRH-11
40-1-00104
2" Coated Deck Screw
QTY. 8



MEASUREMENT TAKEN FROM BOTTOM OF BOLT HEAD TO THE BOTTOM OF BOLT



USE THE RULER TO MEASURE YOUR BOLTS AND SCREWS. HARDWARE VIEWS SHOWN ABOVE ARE 1:1 SCALE AND CAN BE USED TO MATCH HARDWARE SIZES.

UNIVERSAL LOFT STANDARD HARDWARE

INSTALLER NOTE: (YOU MUST ASSEMBLE THIS PRODUCT IN ACCORDANCE WITH THESE ASSEMBLY INSTRUCTIONS. WHEN COMPLETE GIVE MANUAL TO OWNER.)

WRH-12
40-1-00123
1 1/2" Coated Deck Screw
QTY. 116



MEASUREMENT TAKEN FROM BOTTOM OF BOLT HEAD TO THE BOTTOM OF BOLT



USE THE RULER TO MEASURE YOUR BOLTS AND SCREWS. HARDWARE VIEWS SHOWN ABOVE ARE 1:1 SCALE AND CAN BE USED TO MATCH HARDWARE SIZES.

Universal Loft Accessories

ULA-1
37-1-00020
Telescope
QTY. 1



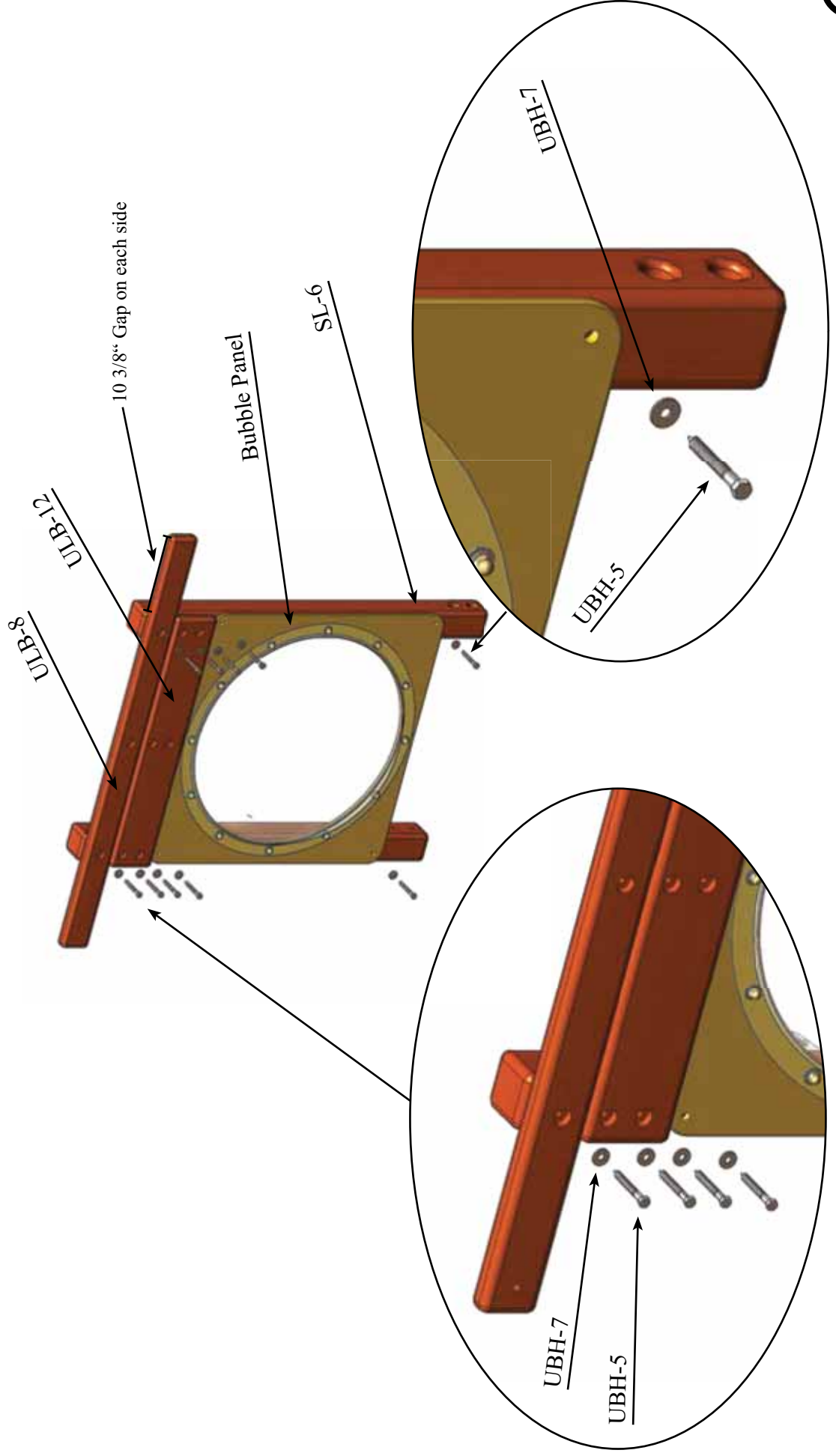
Bubble Panel Assembly

PARTS NEEDED

- ULB-8- Top Joist- (1)
- ULB-12- 6 Hole Facia- (1)
- SL-6- Corner Post- (2)

HARDWARE NEEDED

- UBH-5- 3/8" x 3 1/2" Hex Lag Screw- (10)
- UBH-7- 3/8" USS Flatwasher- (10)



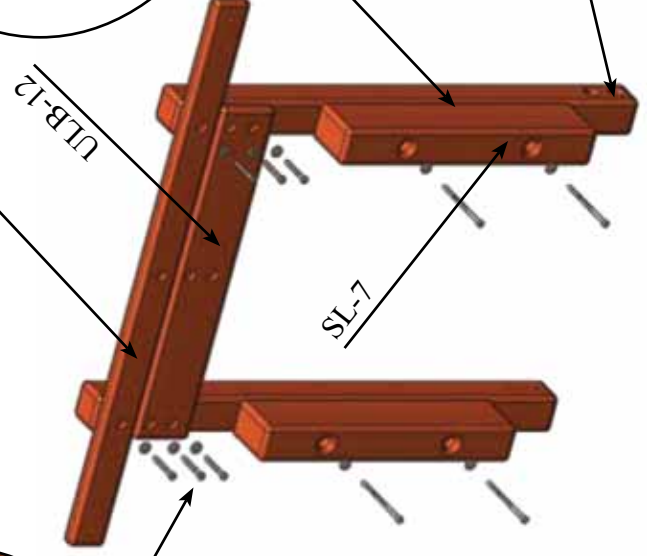
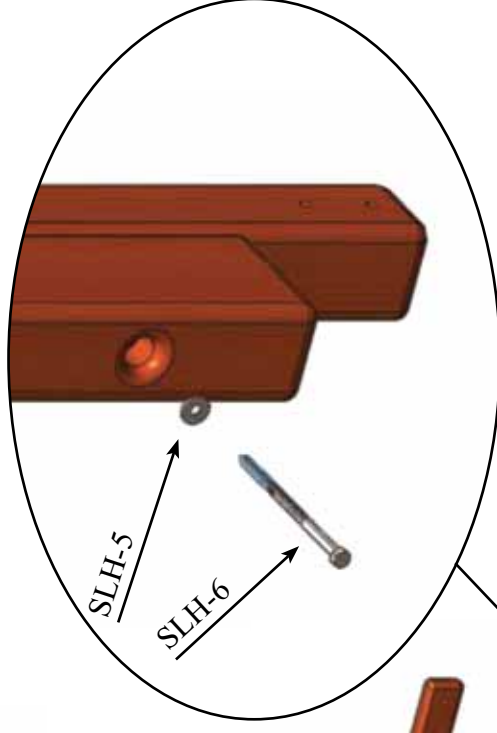
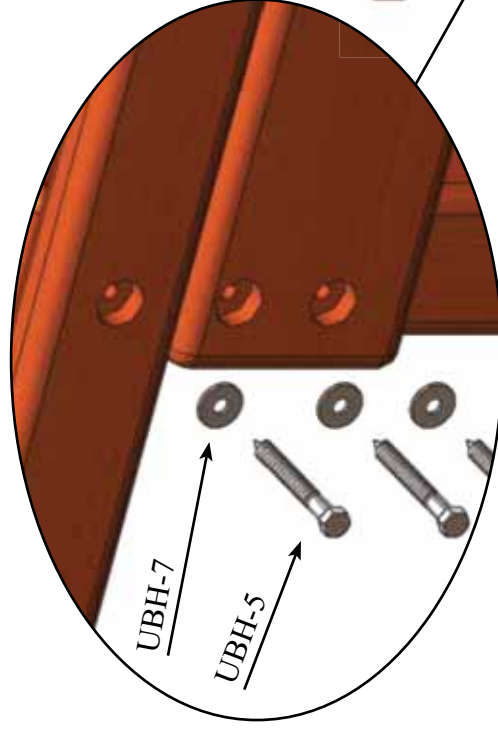
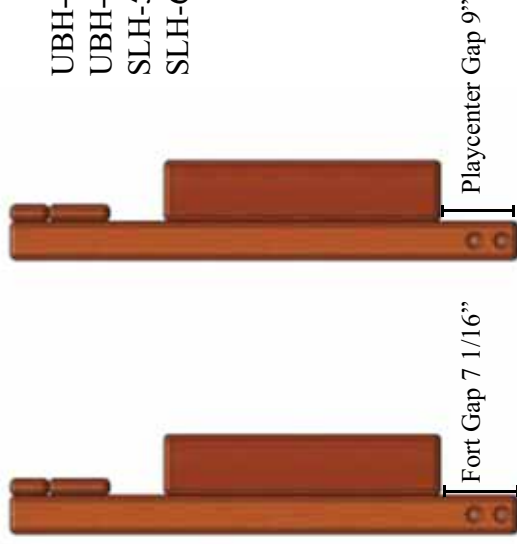
Loft Entrapment Assembly

PARTS NEEDED

- ULB-8- Top Joist- (1)
- ULB-12- 6 Hole Facia- (1)
- SL-6- Corner Post- (2)
- SL-7- Entrapment Block- (2)

HARDWARE NEEDED

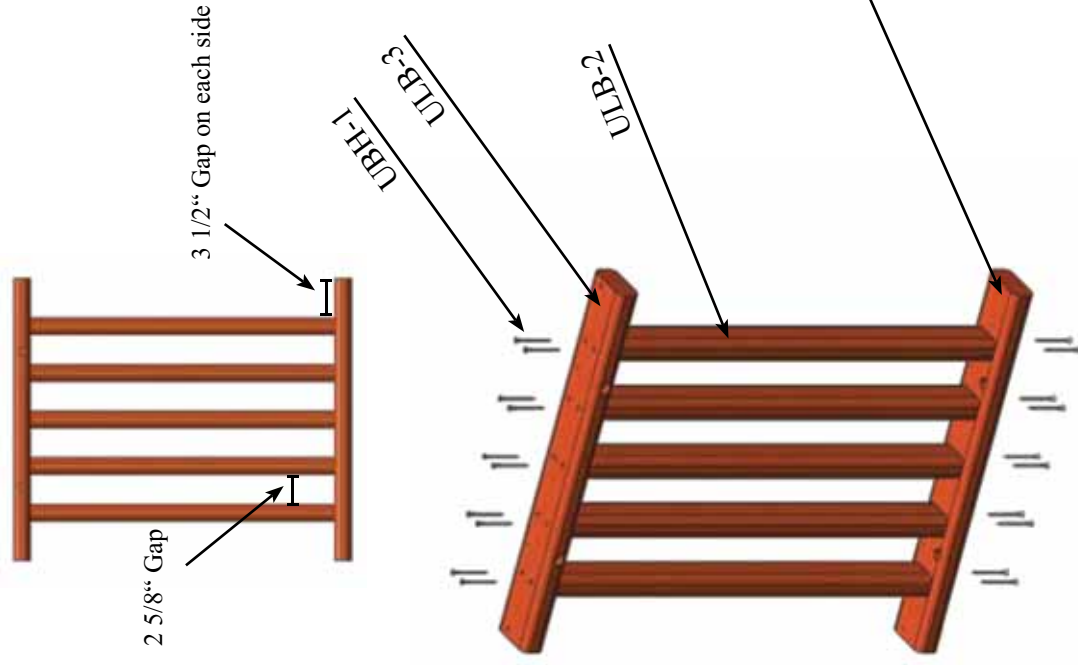
- UBH-5- 3/8" x 3 1/2" Hex Lag Screw- (6)
- UBH-7- 3/8" USS Flatwasher- (6)
- SLH-5- 3/8" USS Flatwasher- (4)
- SLH-6- 3/8" x 7" Hex Lag Screw- (4)



Rail Assemblies (4)

PARTS NEEDED

- ULB-3- Universal Rail Top- (4)
- ULB-2- Rail Spindle- (20)
- ULB-6- Rail Bottom- (4)
- ULB-5- Deck Runner- (4)
- ULB-7- Deck Board- (2)
- ULB-11- Large Deck Board- (8)

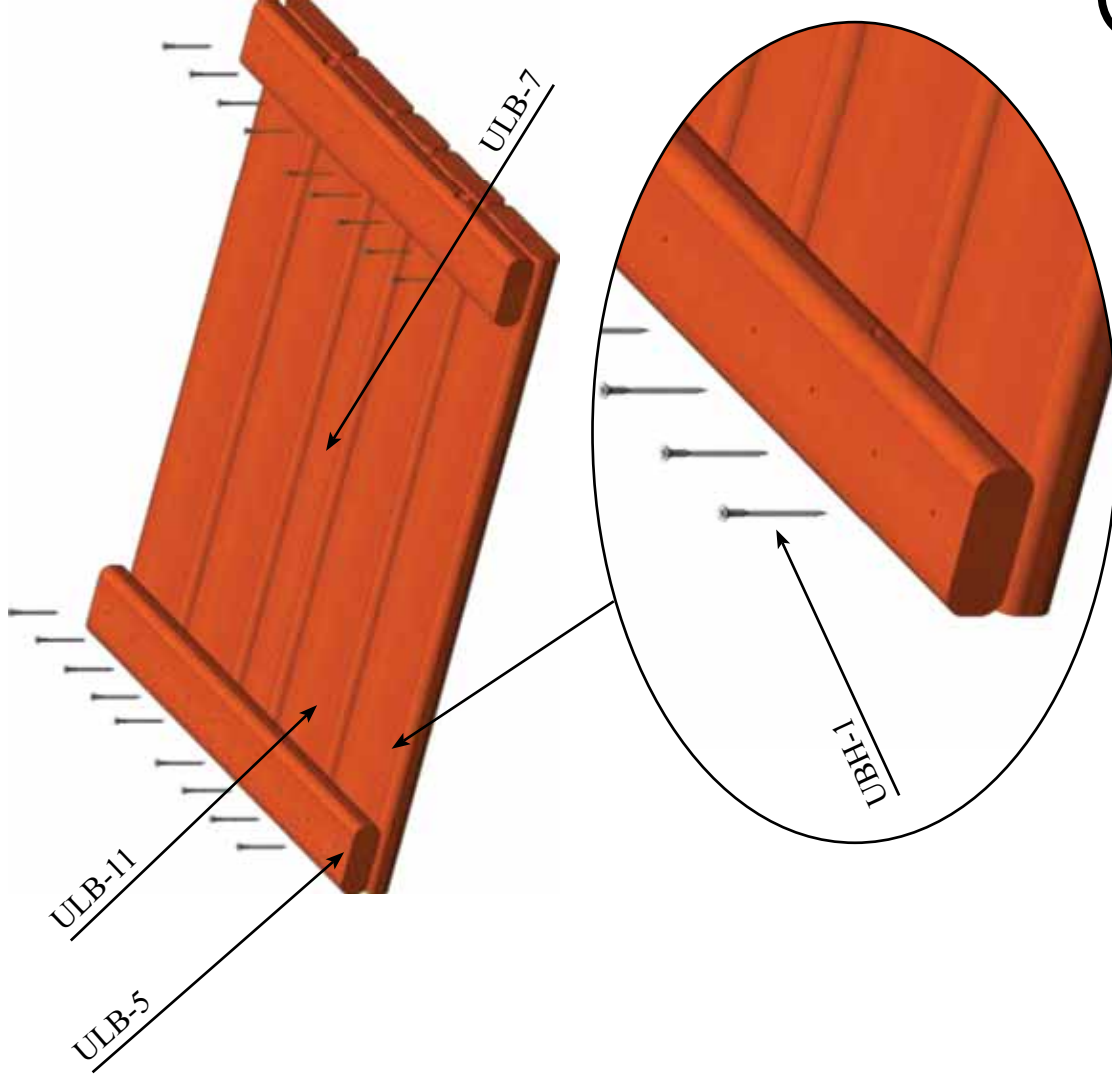


Deck Assemblies (2)

HARDWARE NEEDED

- UBH-1- 2 1/2" Coated Deck Screws- (116)

There is a 3/16" gap between each deck board.



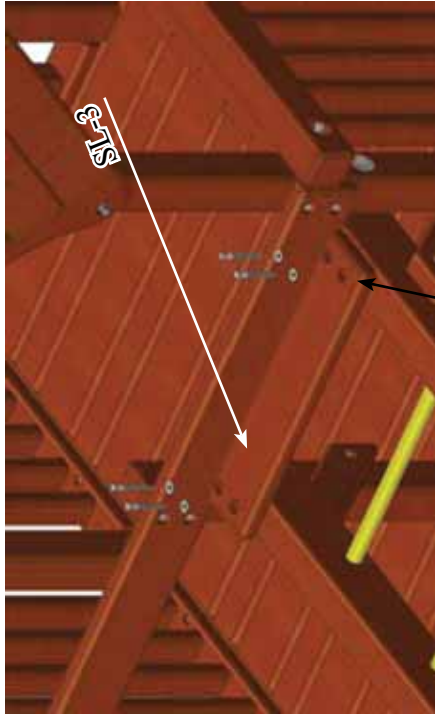
Fort 1st Step

PARTS NEEDED

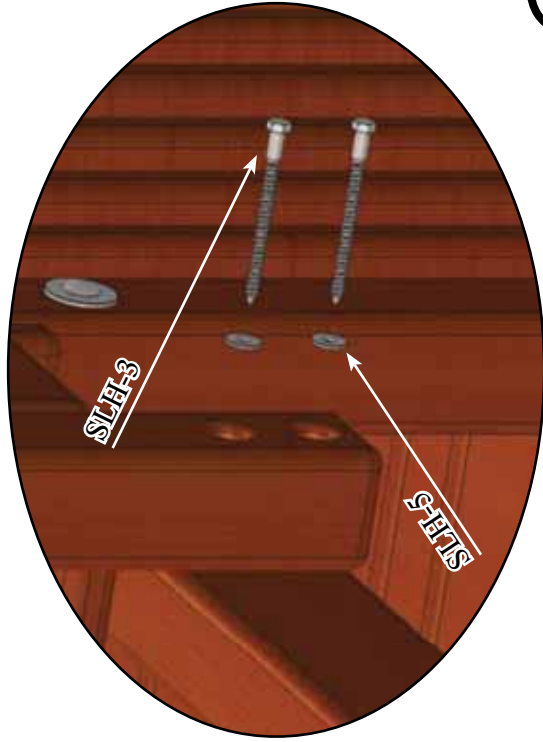
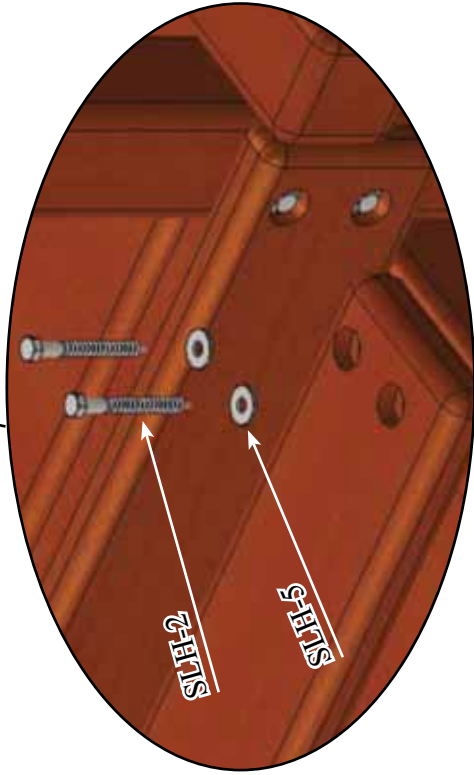
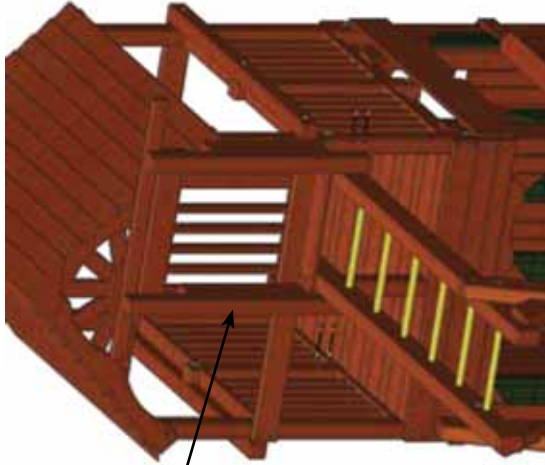
- SL-3- Loft Entrapment Board- (1)
- Fort Loft Entrapment Assembly- (1)

HARDWARE NEEDED

- SLH-2- 3/8" x 3 1/2" Hex Lag Screw- (4)
- SLH-5- 3/8" USS Flatwasher- (8)
- SLH-3- 3/8" x 5" Hex Lag Screw- (4)



Fort Entrapment Assembly



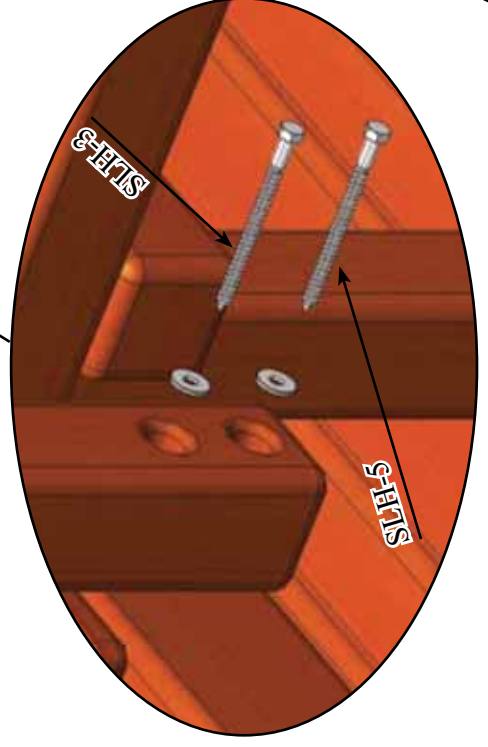
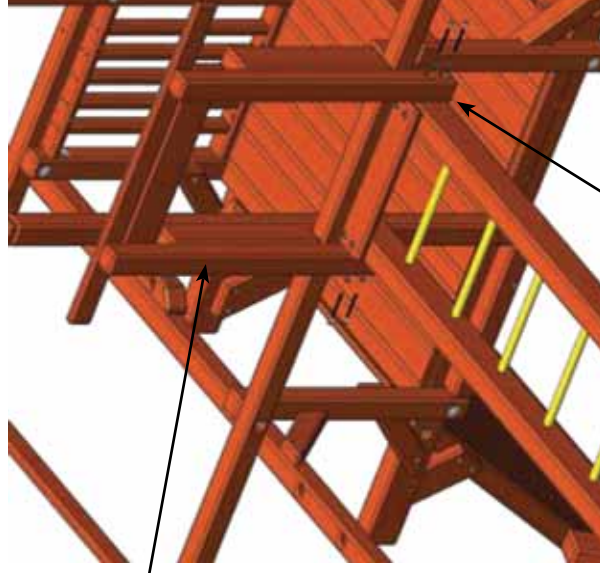
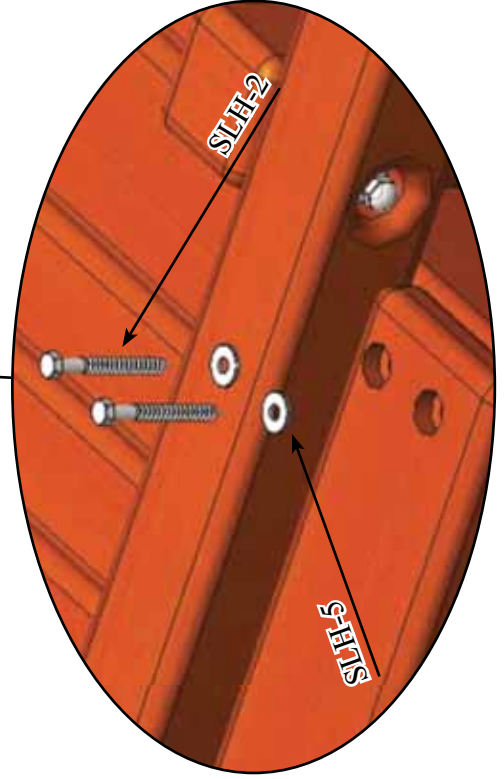
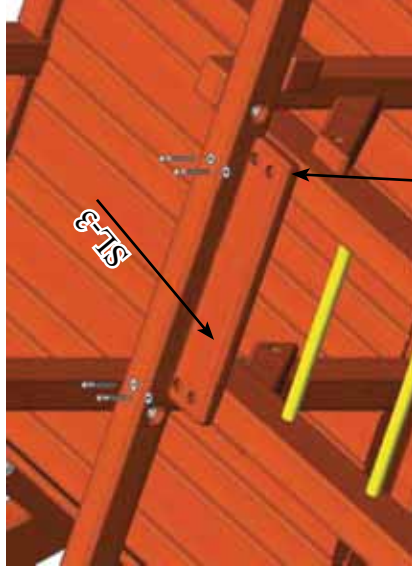
Playcenter 1st Step

PARTS NEEDED

- SL-3- Loft Entrapment Board- (1)
- Playcenter Loft Entrapment Assembly- (1)

HARDWARE NEEDED

- SLH-2- 3/8" x 3 1/2" Hex Lag Screw- (4)
- SLH-5- 3/8" USS Flatwasher- (8)
- SLH-3- 3/8" x 5" Hex Lag Screw- (4)



Playcenter Entrapment Assembly

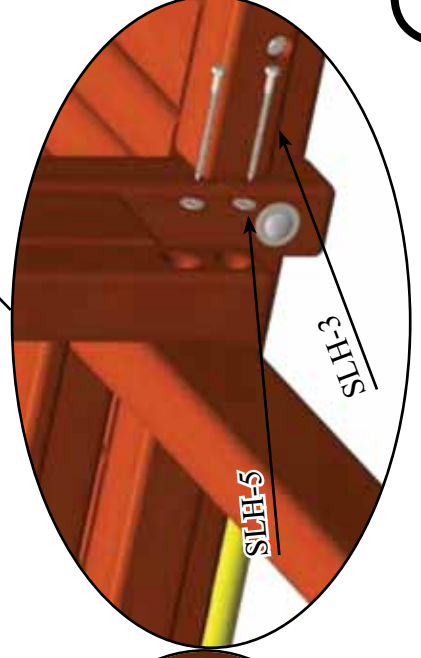
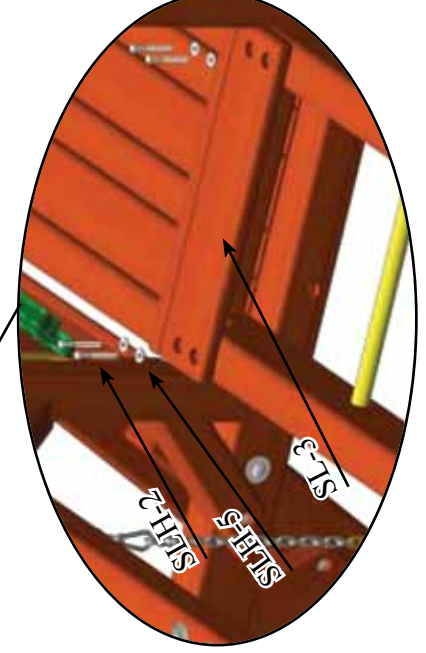
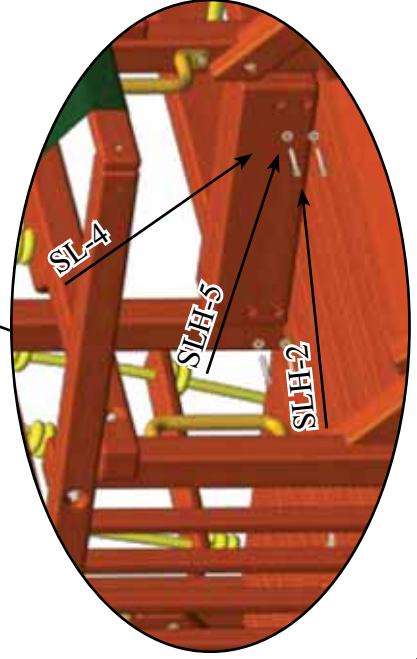
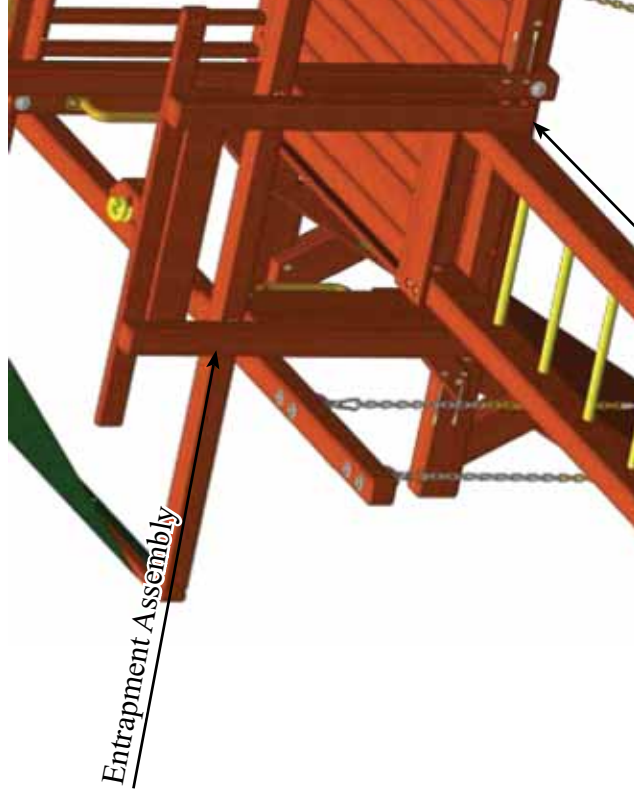
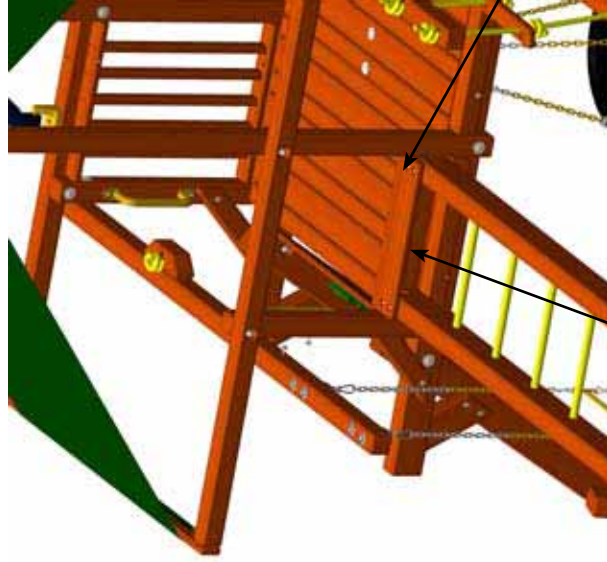
Loft with Monkey Bar on Deck 1st Step

PARTS NEEDED

- SL-4- Entrapment Board- (1)
- SL-3- Entrapment Board- (1)
- Entrapment Assembly- (1)

HARDWARE NEEDED

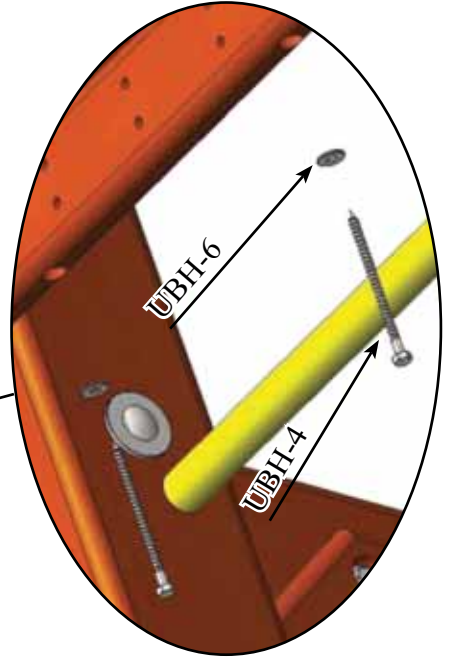
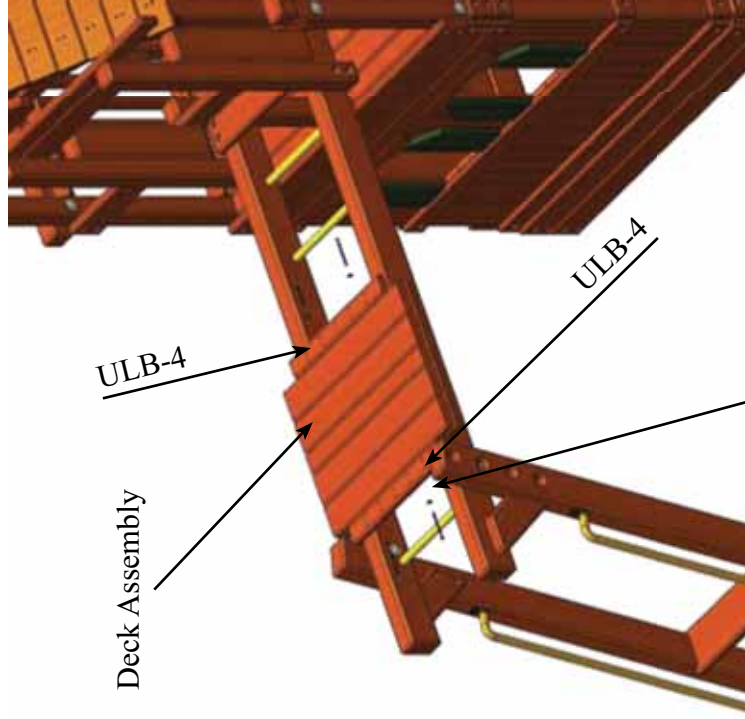
- SLH-5- 3/8" USS Flatwasher- (12)
- SLH-3- 3/8" x 5" Hex Lag Screw- (4)
- SLH-2- 3/8" x 3 1/2" Hex Lag Screw- (8)



Universal Loft Assembly

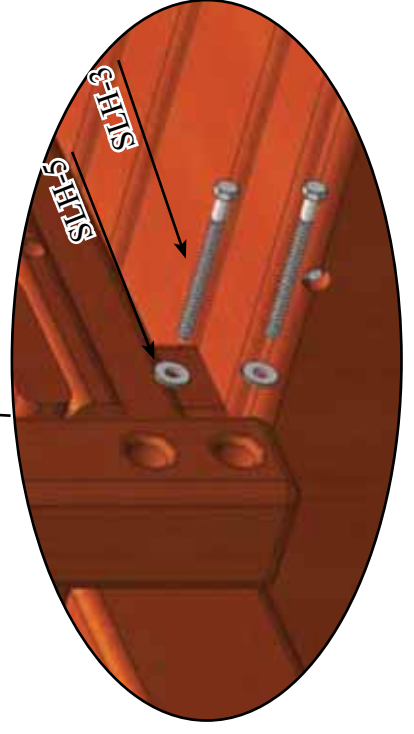
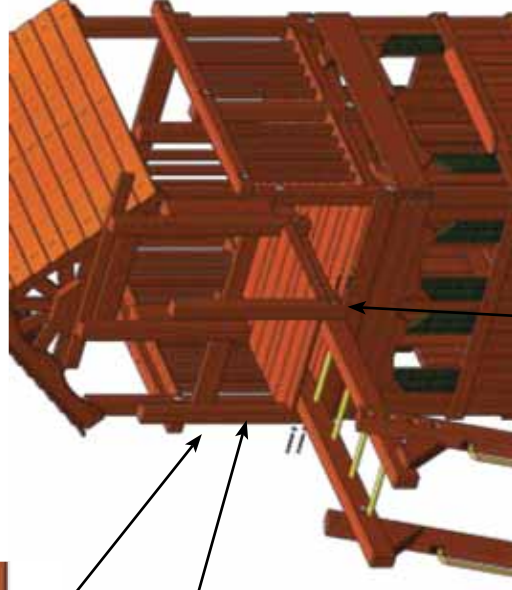
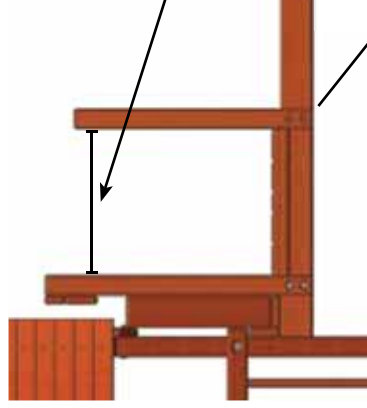
PARTS NEEDED

- ULB-4- Universal Filler- (2)
- Deck Assembly- (1)
- SL-5- Loft Center Upright- (2)



HARDWARE NEEDED

- UBH-4- 1/4" x 4 1/2" Hex Lag Screw- (4)
- SLH-5- 3/8" USS Flatwasher- (4)
- SLH-3- 3/8" x 5" Hex Lag Screw- (4)
- UBH-6- 1/4" USS Flatwasher- (4)



Universal Loft Assembly

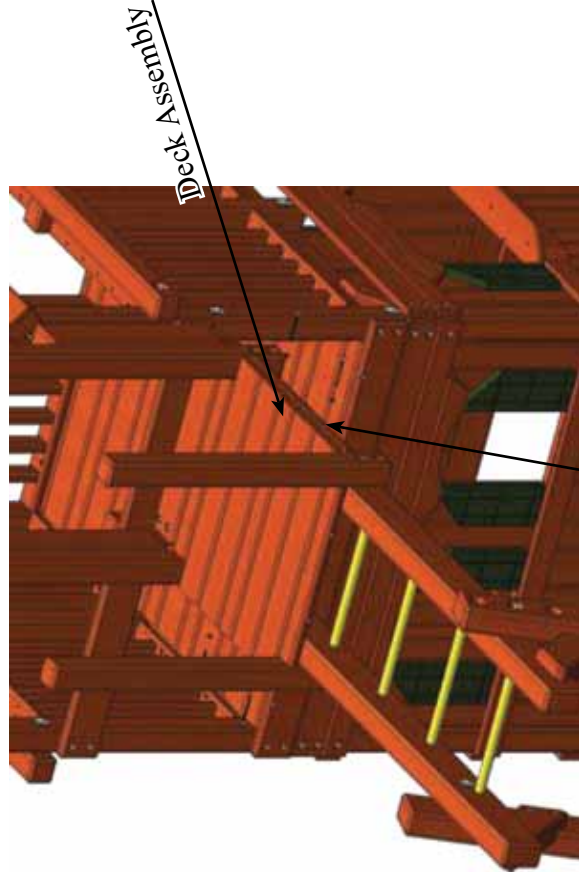
PARTS NEEDED

- Deck Assembly- (1)
- ULB-4- Universal Filler- (1)

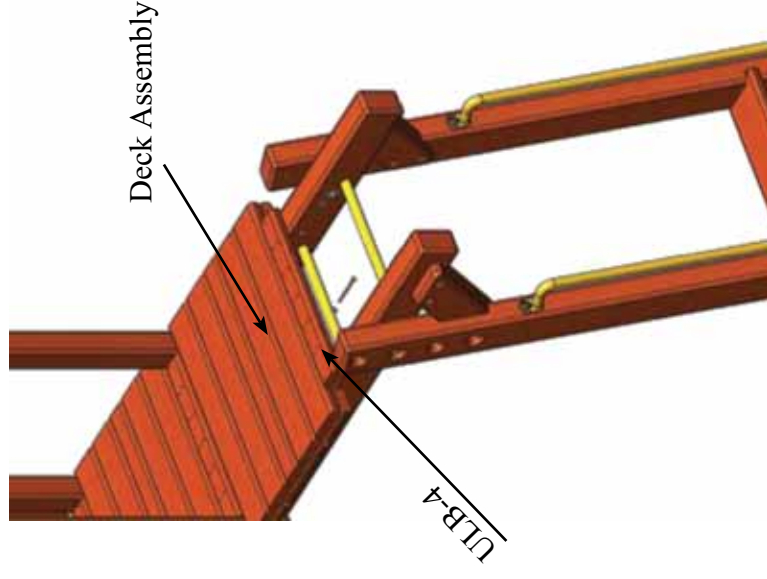
HARDWARE NEEDED

- UBH-4- 1/4" x 4 1/2" Hex Lag Screw- (6)
- UBH-6- 1/4" USS Flatwasher- (6)

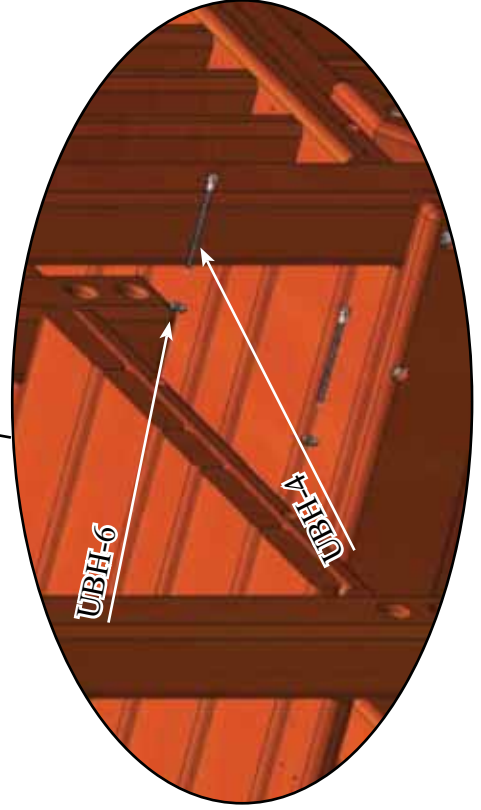
Center the deck between the corner post and upright and lag down



Deck Assembly

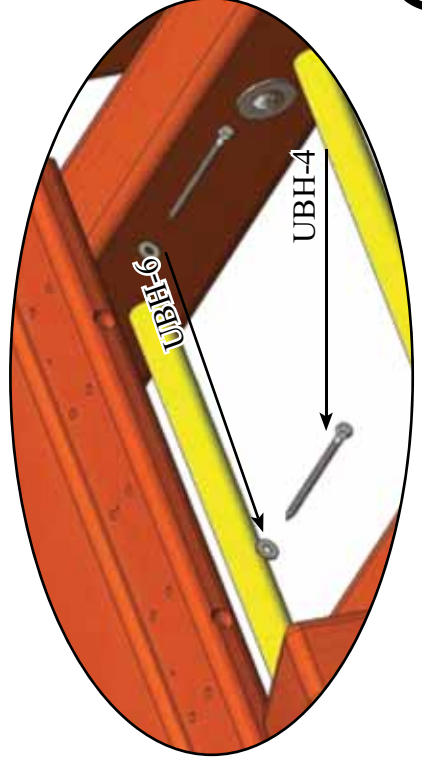


ULB-4



UBH-6

ULB-4



UBH-6

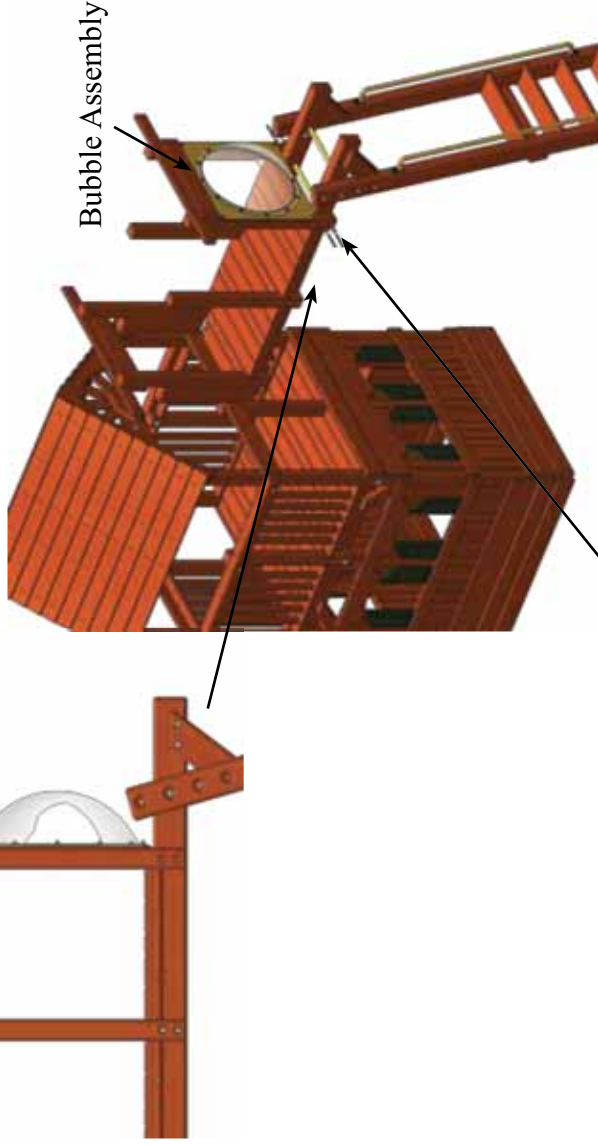
UBH-4

Universal Loft Assembly

PARTS NEEDED

Bubble Assembly- (1)

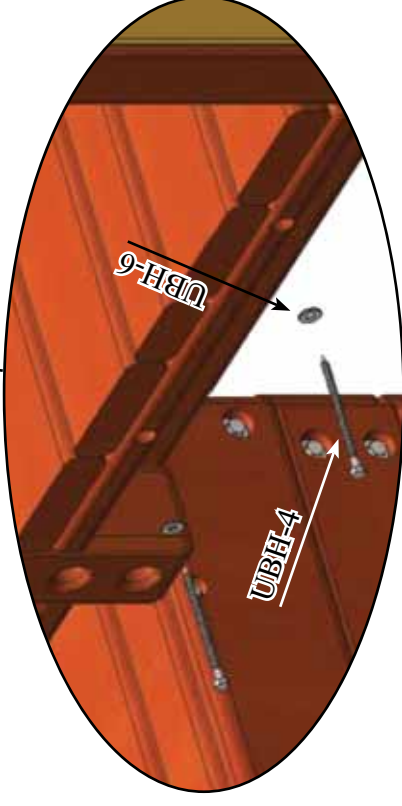
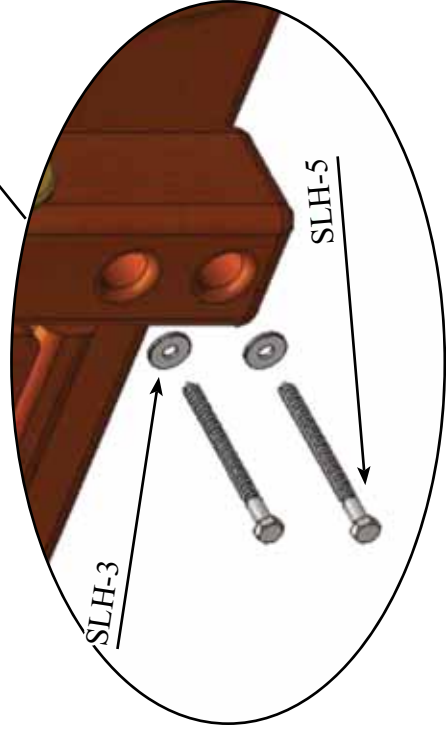
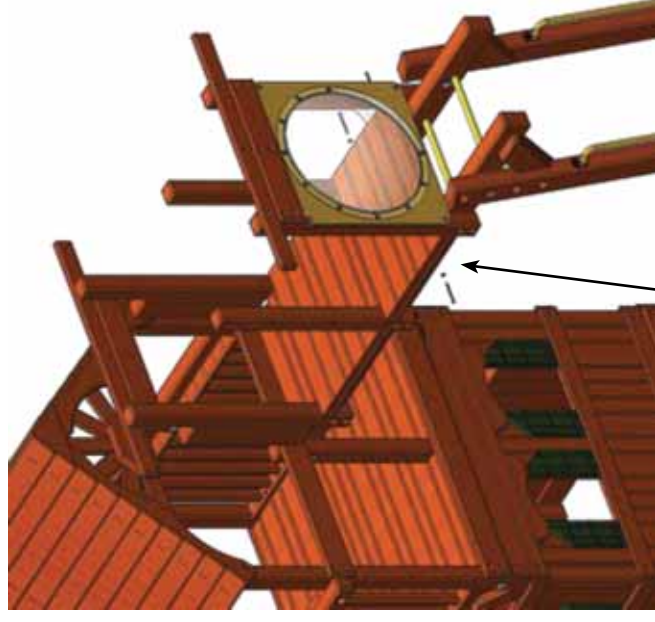
25 1/4" Gap Between Center Upright and Bubble Assembly



Bubble Assembly

HARDWARE NEEDED

- UBH-4- 1/4" x 4 1/2" Hex Lag Screw- (4)
- SLH-3- 3/8" USS Flatwasher- (4)
- SLH-5- 3/8" x 5" Hex Lag Screw- (4)
- UBH-6- 1/4" USS Flatwasher- (4)



Center the deck between the corner post and upright and lag down

Universal Loft Assembly

PARTS NEEDED

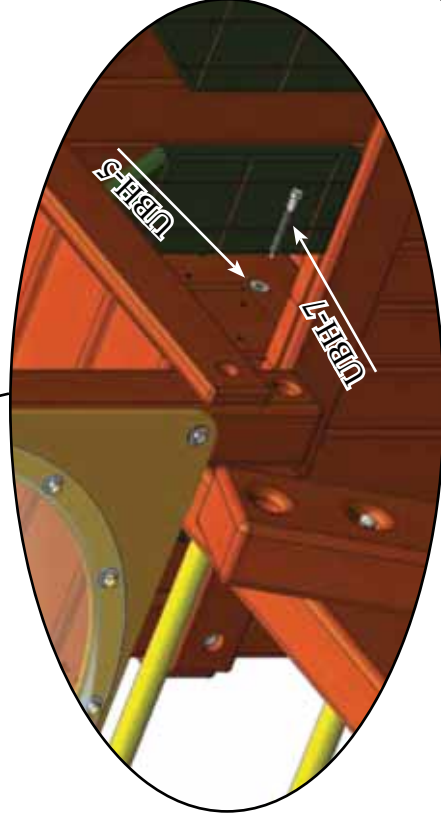
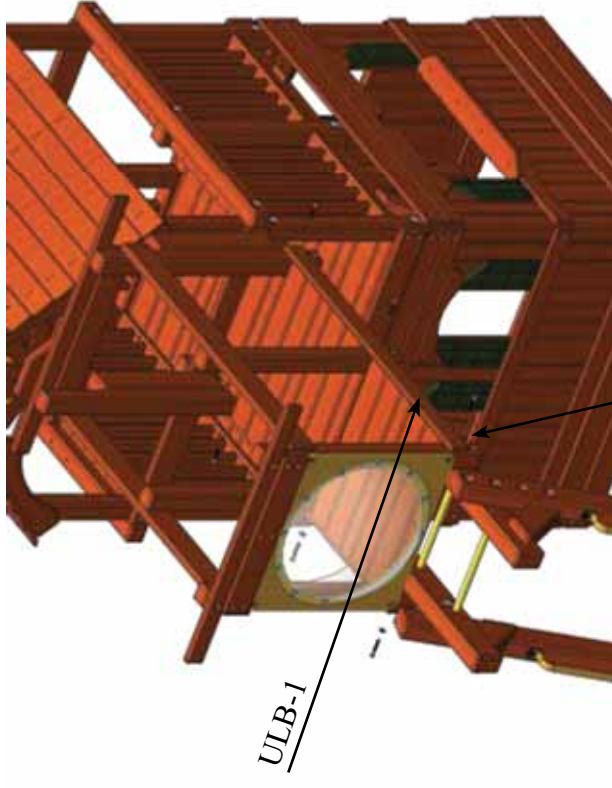
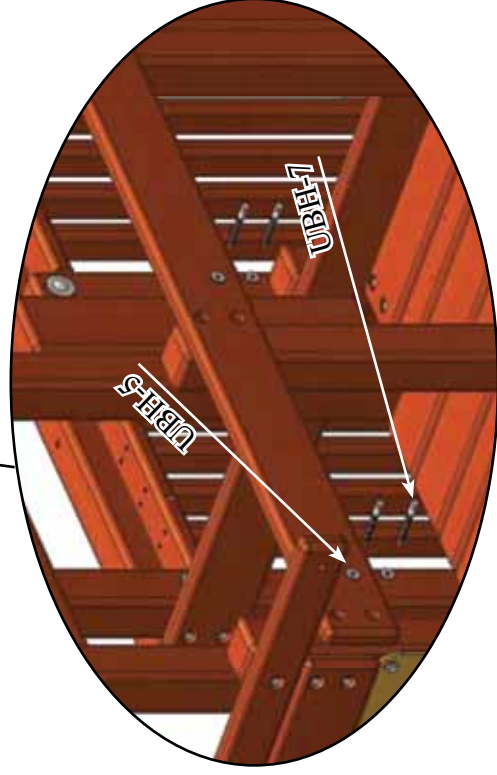
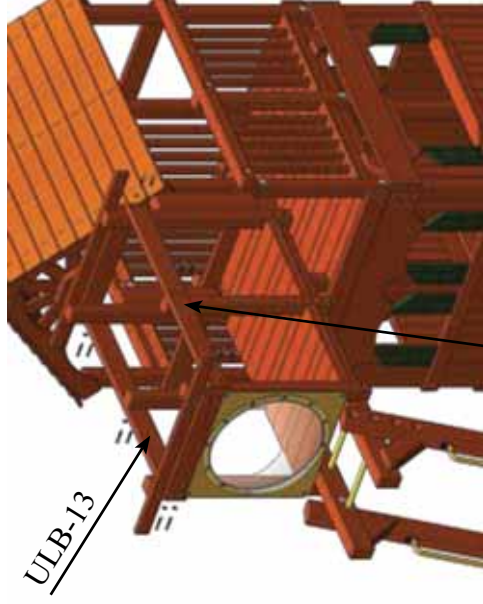
ULB-13- Universal 6 Hole Facia- (2)

ULB-1- Universal 3 Hole Facia- (2)

HARDWARE NEEDED

UBH-5- 3/8" USS Flatwasher- (18)

UBH-7- 3/8" x 3 1/2" Hex Lag Screw- (18)



Universal Loft Assembly

PARTS NEEDED

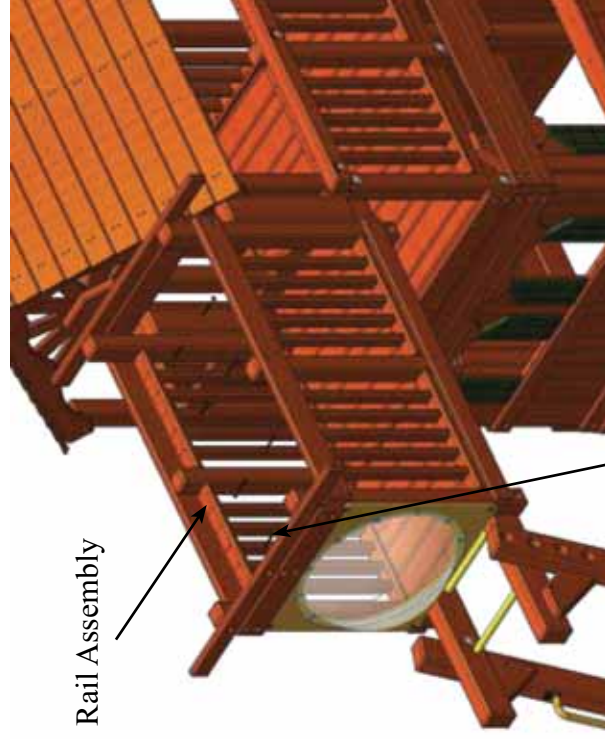
Rail Assembly- (4)

HARDWARE NEEDED

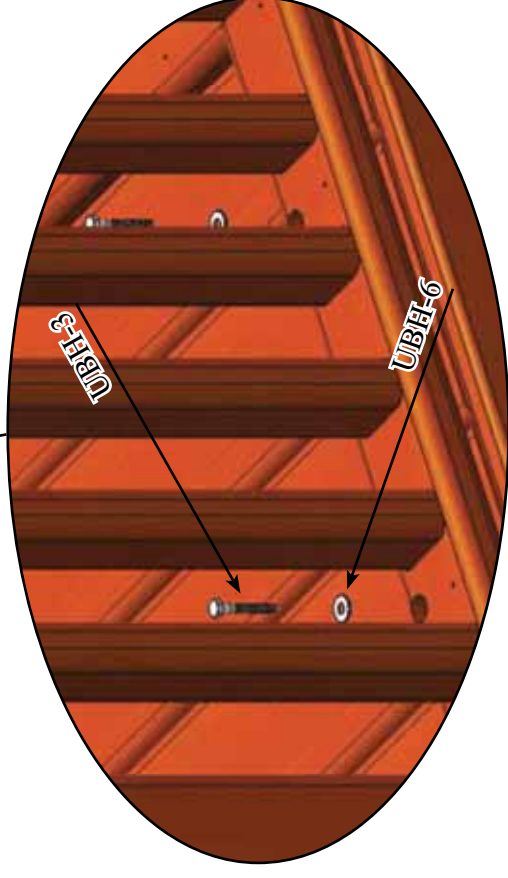
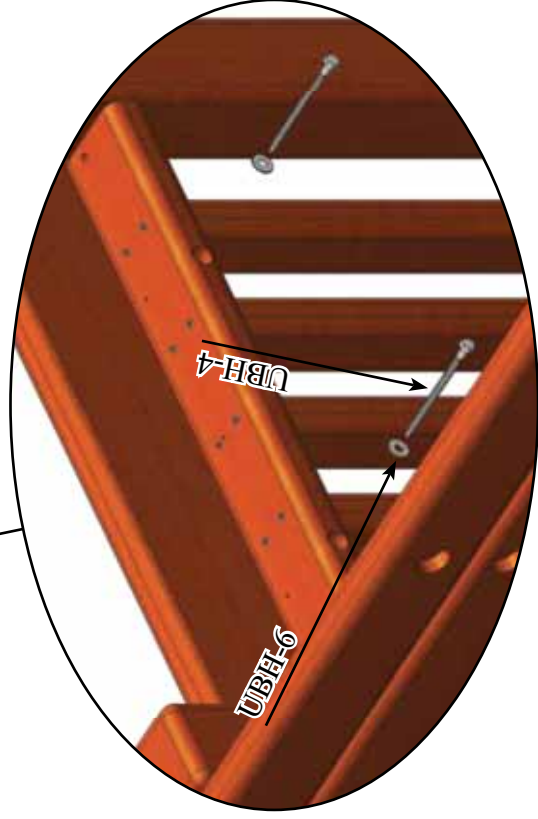
UBH-4- 1/4" x 4 1/2" Hex Lag Screw- (8)

UBH-6- 1/4" USS Flatwasher- (16)

UBH-3- 1/4" x 3" Hex Lag Screw- (8)



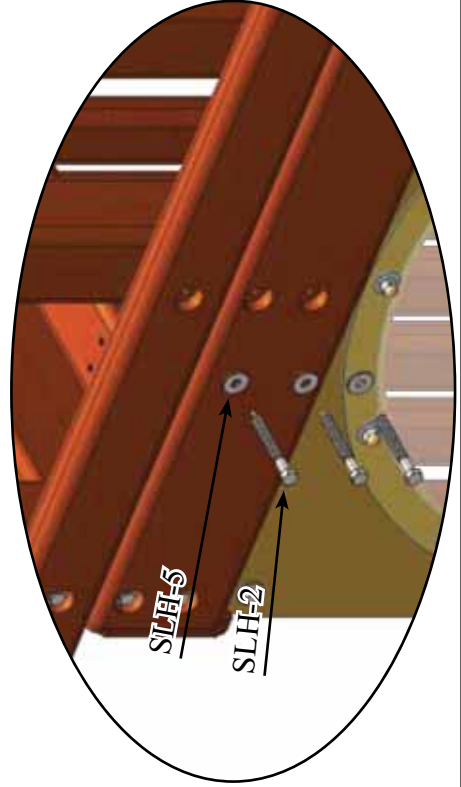
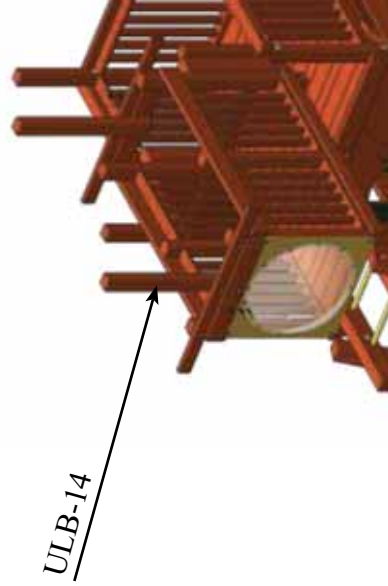
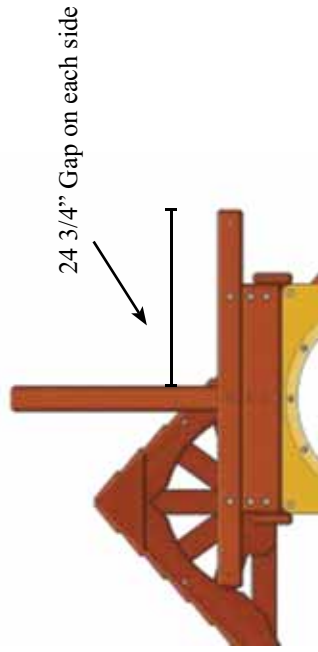
Rail Assembly



Universal Loft Tarp Assembly

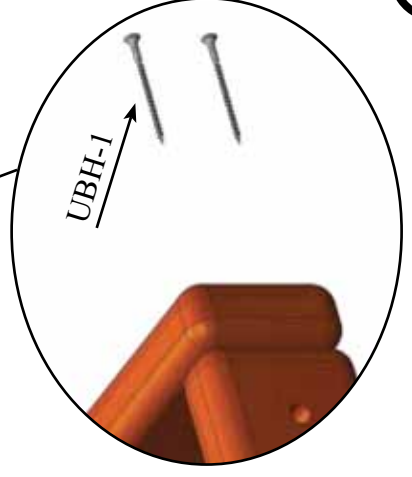
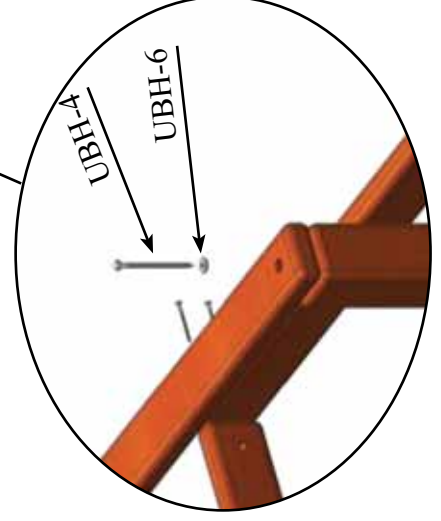
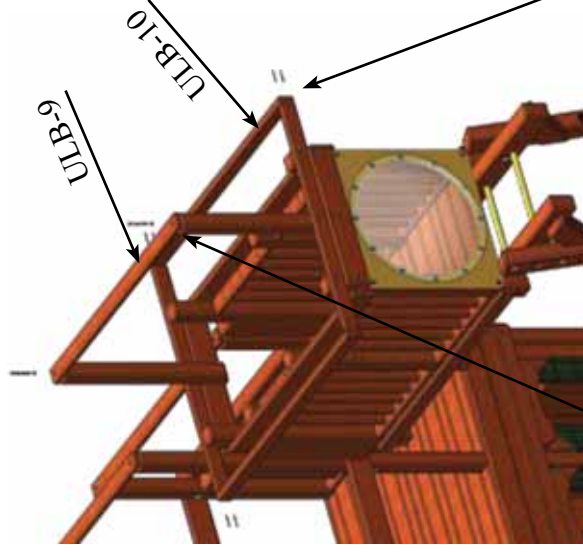
PARTS NEEDED

- ULB-14- Tarp Upright- (2)
- ULB-9- Tarp Center- (1)
- ULB-10- Tarp Side Facia- (2)



HARDWARE NEEDED

- SLH-5- 3/8" USS Flatwasher- (6)
- SLH-2- 3/8" x 3 1/2" Hex Lag Screw- (6)
- UBH-4- 1/4" x 4 1/2" Hex Lag Screw- (2)
- UBH-6- 1/4" USS Flatwasher- (2)
- UBH-1- 2 1/2" Coated Deck Screw- (8)



Universal Loft Tarp Assembly



Take one corner of the VINYL TARP and place it flush in the corner. Tap the snap with a blunt object, leaving an indentation of the snap in the wood. Repeat this process until all the snaps have been indented in the wood on both sides of the loft.



Using the indentions you just made with the snaps, take the 5/8" PHILLIPS SCREW SNAPS and drill one into each indentation.

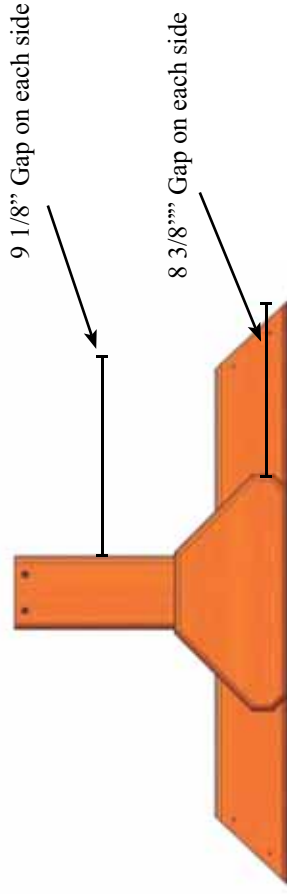


Take the corner of the VINYL TARP and start placing the snaps on the PHILLIPS SCREW SNAPS. Fold the VINYL TARP over the top of the CENTER TARP BOARD. Pull tight and place the snaps on the PHILLIPS SCREW SNAPS.

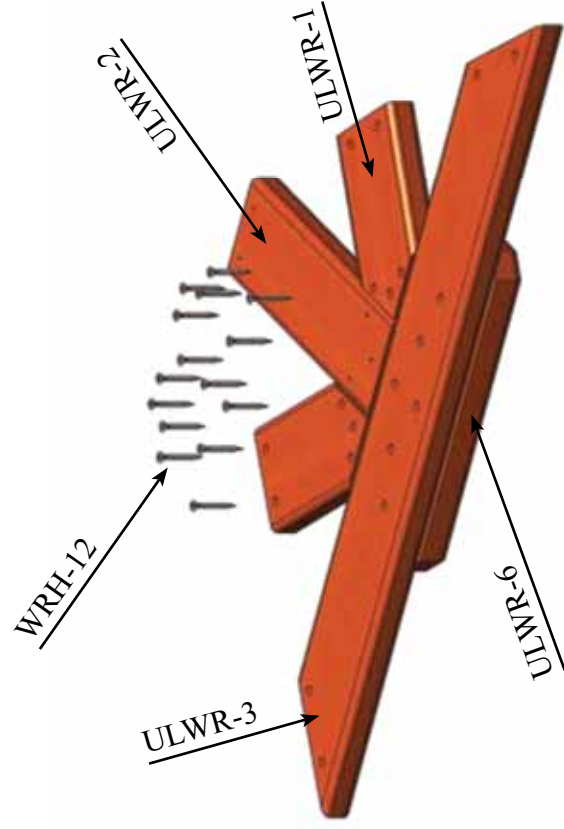
Universal Loft Wood Roof Fan Assembly

PARTS NEEDED

- ULWR-7- Loft Wood Roof Support- (4)
- ULWR-3- Bottom Fan Board- (2)
- ULWR-2- Center Fan Board- (2)
- ULWR-1- Short Fan Board- (4)
- ULWR-6- Fan Cap- (2)



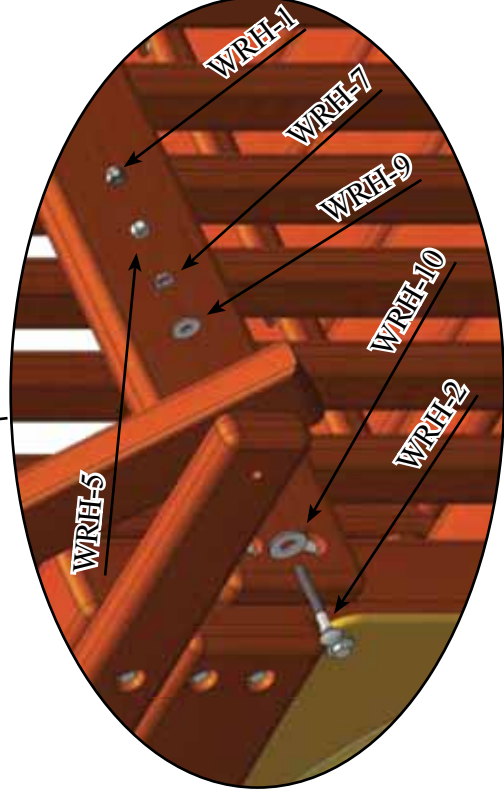
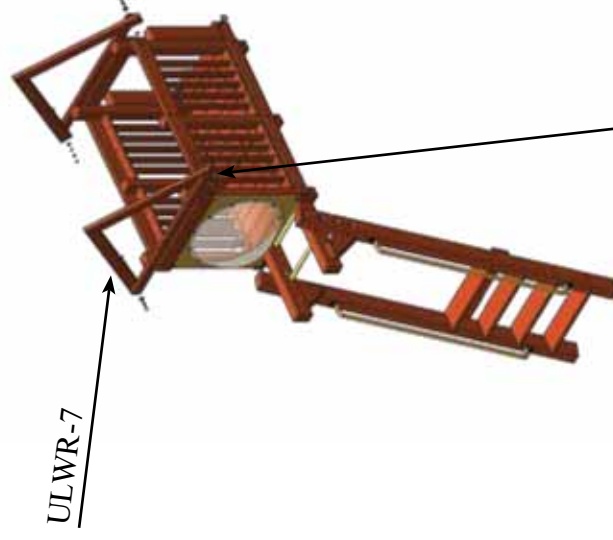
Make 2 Universal Loft Wood Roof Fan Assemblies



Universal Loft Wood Roof Assembly

HARDWARE NEEDED

- WRH-1- 3/8" Acorn Nut- (4)
- WRH-7- 3/8" Split Lockwasher- (4)
- WRH-10- 1/2" USS Flatwasher- (4)
- WRH-12- 1 1/2" Deck Screw- (12)



Universal Loft Wood Roof Assembly

PARTS NEEDED

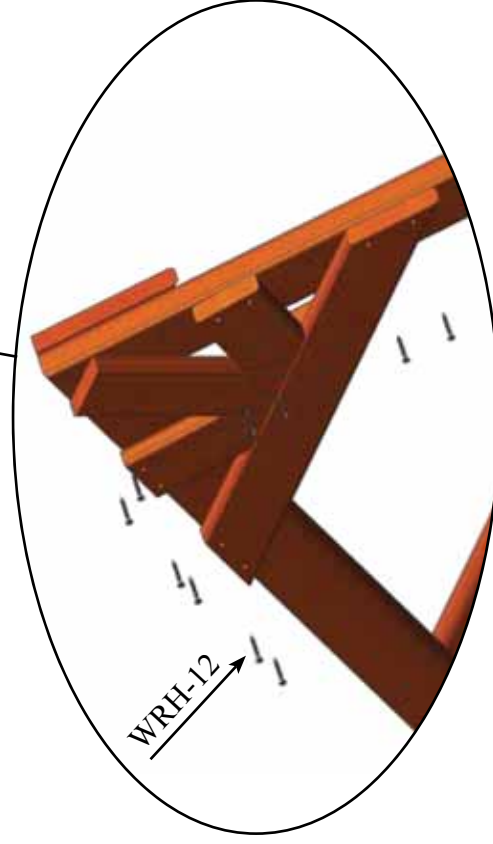
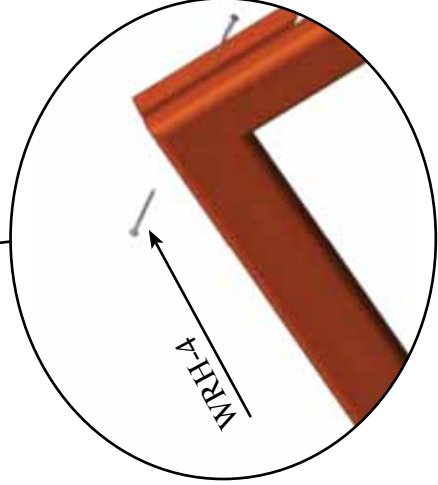
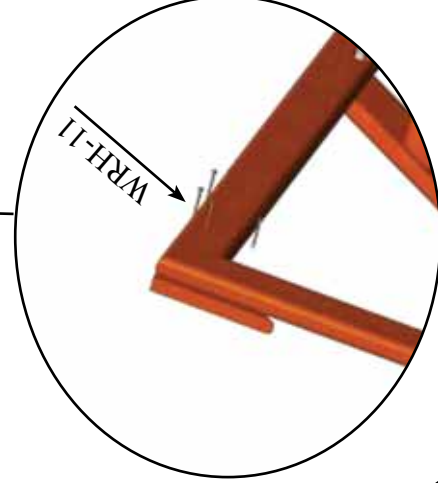
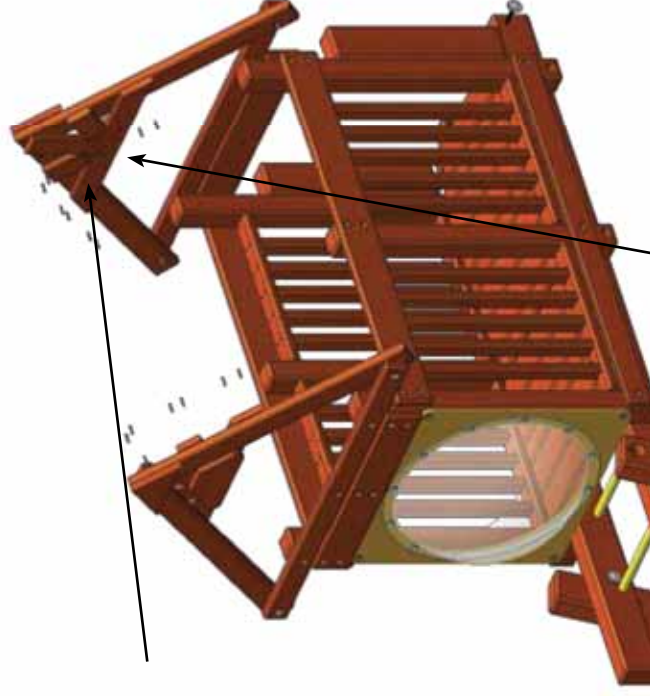
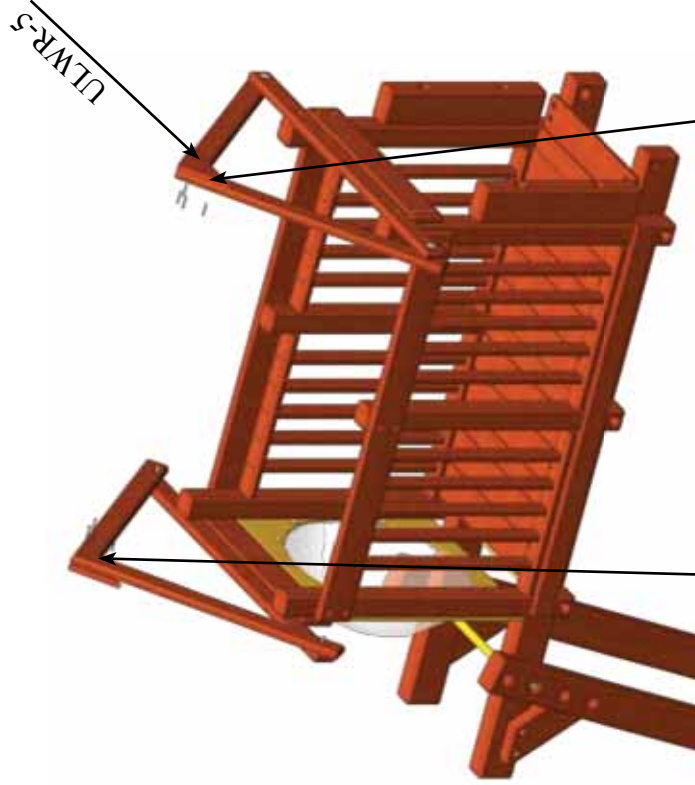
ULWR-5- Loft Peak Facia-
Loft Fan Assembly-

(2)
(2)

HARDWARE NEEDED

WRH-11- 2" Coated Deck Screw-
WRH-4- 2 1/2" Coated Deck Screw-
WRH-12- 1 1/2" Coated Deck Screw-

(8)
(4)
(10)



Universal Loft Wood Roof Assembly (Repeat for both Sides)

PARTS NEEDED

ULWR-8- Wood Roof Board-

(5)

HARDWARE NEEDED

WRH-9- 3/8" Flatwashers-

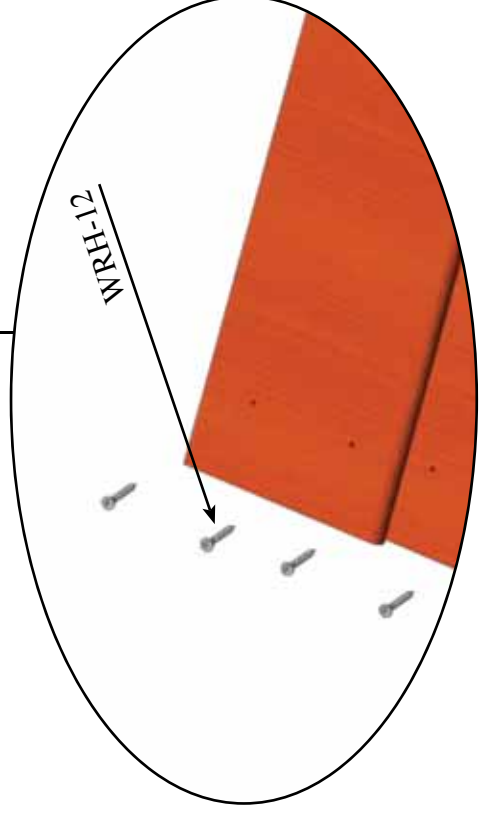
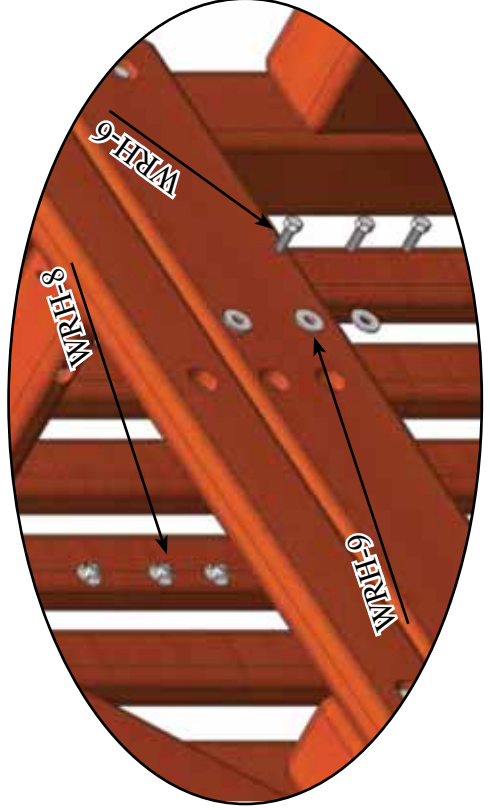
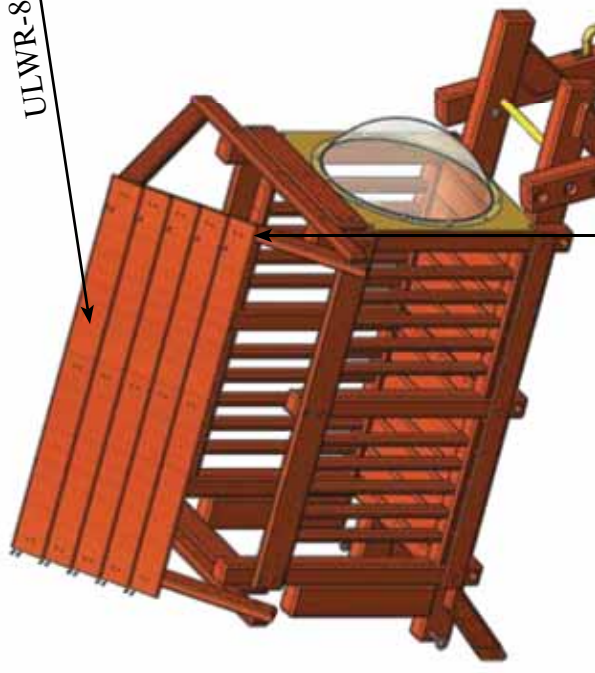
(6)

WRH-6- 5/16 x 1" Hex Bolt-

(6)

WRH-8- 5/16" x 3/8" 3 Prong T-Nut-(6)

WRH-12- 1 1/2" Coated Deck Screw-(20)



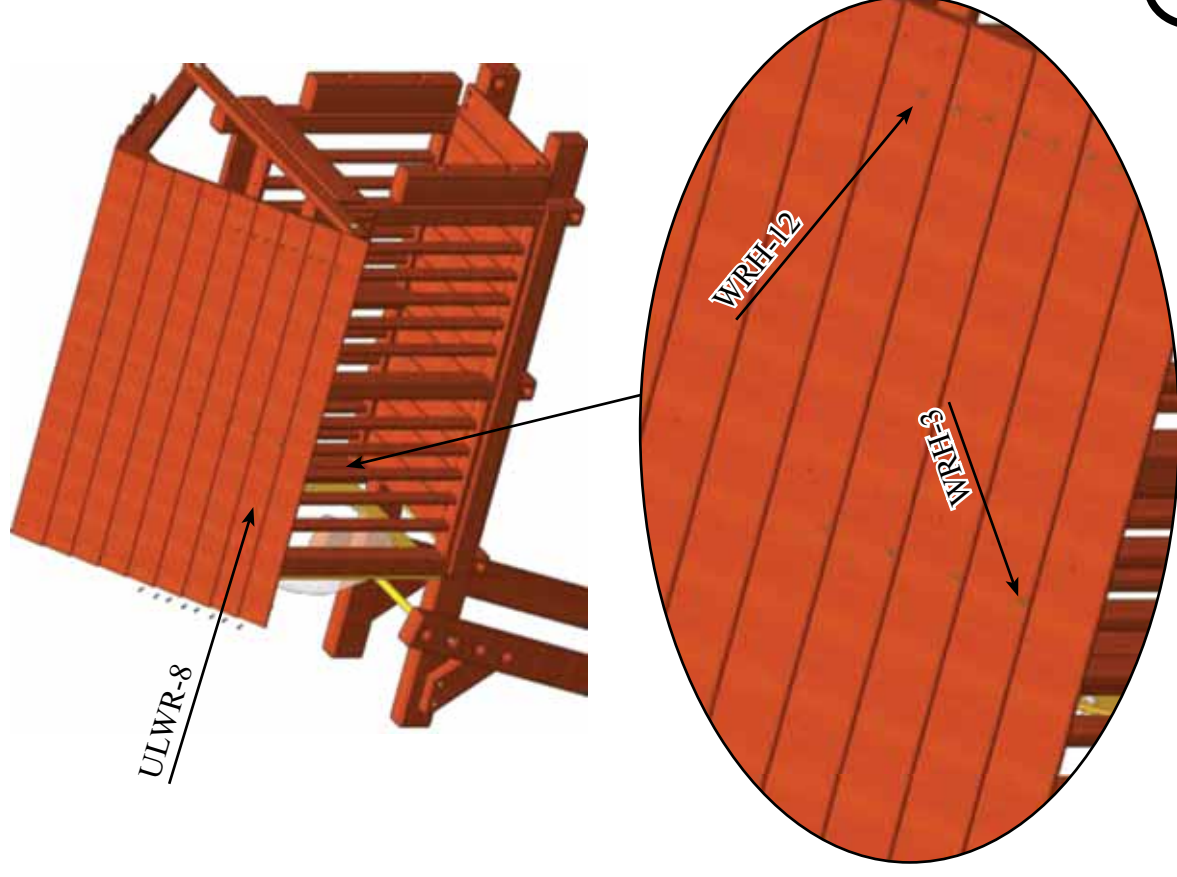
Universal Loft Wood Roof Assembly (Repeat for both sides)

PARTS NEEDED

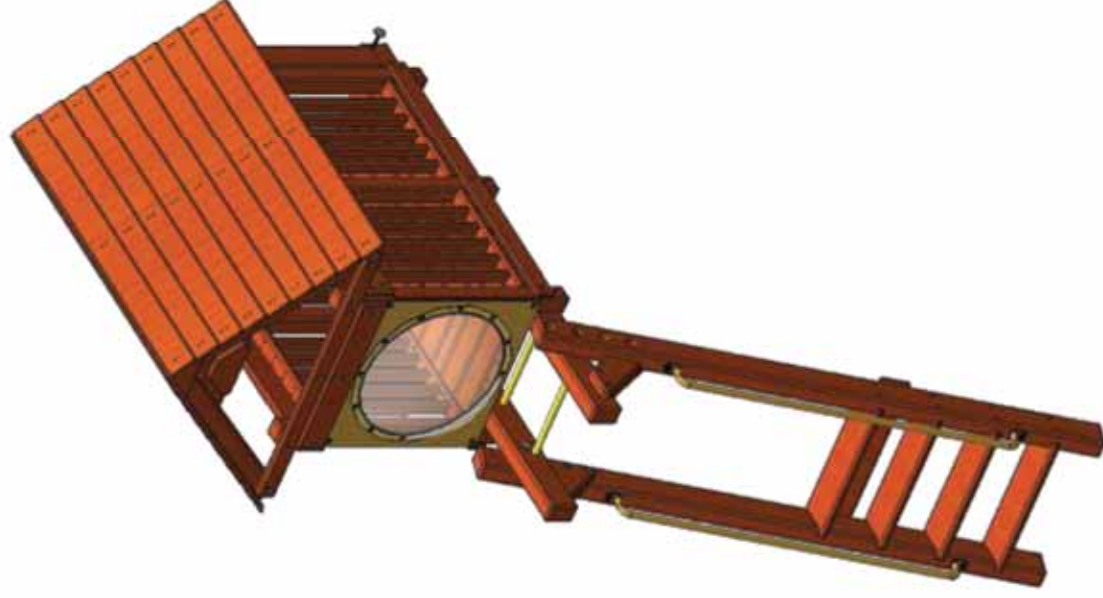
- ULWR-4- Center Support- (1)
- ULWR-8- Wood Roof Board- (4)

HARDWARE NEEDED

- WRH-12- 1 1/2" Coated Deck Screw- (16)
- WRH-3- 1 1/4" Coated Deck Screw- (18)



Universal Loft Wood Roof Assembly





AMERICA'S BEST VALUE IN SWING SETS.™

5.4 & 7 Deluxe Spiral Slide Install Manual

Version 4.14



Tools Needed for Assembly

Tape Measure	24" Level	Angle Square
Phillips Screw Driver	3/8" Cordless Drill or Electric Drill	3/8" Drive Ratchet or Electric Impact Gun
Claw Hammer or Rubber Mallet	Pliers or Vise Grips	7/16" Deep Well Socket
9/16" Deep Well Socket	3/4" Deep Well Socket	1/8", 1/4", and 9/16" Drill Bits
Phillips Head Screw Bits	An Adult with two Adult Helpers	

Please familiarize yourself with the install manual, parts/components and general construction process of your new swing set before getting started. Approximate assembly time: 6 to 8 hours. 6 foot unobstructed safety perimeter around swing set recommended.

Choosing A Location For Your Playset

When choosing a location for your swing set, always keep your child or children's safety in mind. Here are some recommendations to help you locate and install a safe play area.

- This play set is designed for the use of 4 occupants who have a combined weight not exceeding 800 pounds on the elevated floor; 3 occupants who have a combined weight of 525 pounds on the swing area; for a total Unit capacity of 5 occupants who have a combined weight of 1325. (this weight is not including the picnic table area)
- On-site adult supervision is required.
- The swing set should be located on level ground. The stationary components such as ladders and slides are required to be a minimum of six feet from any structure or obstruction such as a fence, garage, house, tree, overhanging branches, electrical wires, clotheslines, etc. Any swinging equipment is also required to be a minimum distance twice the height of the swing beam away from these obstructions or structures as well. The swing set should be located a safe distance from any water hazards, such as a lake, river, bayou, swimming pool, etc.
- Do not install this residential swing set in a commercial setting. This swing set is not manufactured for commercial usage and will void all warranties. Tree Frogs Wooden Swing Set Factory is not responsible for any damages or injuries resulting from this swing set being used in a commercial setting.
- Never install this swing set indoors; or over concrete, asphalt, packed earth, grass, carpet or any other hard surface. A fall onto a hard surface can result in serious or fatal injury.
- The U.S. Consumer Product Safety Commission (CPSC) recommends that you install and maintain a resilient surface under your swing set. The CPSC's Consumer Information Sheet for Playground Surfacing Materials is on the next page. A resilient surface, should be installed after the swing set has been completely assembled according to these instructions. The swing set must rest on solid ground. Please note that this swing set has a maximum fall height of 7'.

Maintaining Your Swing Set

Here are some maintenance tips required to insure safe play on your swing set for years of fun.

- At the beginning of each usage season and every two weeks during, check: nuts and bolts and tighten as needed, swing seats, chains, ladders, slides, rope and wood components for sign of deterioration and replace if necessary.
- On a yearly basis, we recommend that you coat your swing set with a sealant or preservative. You may also want to spot sand any areas prior to sealing.

**** Special note:** Although we recommend that you reseal your swing set annually, you may have to touch up the high traffic areas and/or areas that have a high exposure to direct sunlight.**

- Be sure that the sealant you select is non-toxic and child safe. Your local Tree Frogs Wooden Swing Set Factory dealer may offer a complete power wash and reseal and maintenance program.
- Do not use line trimmers or "weed eaters" around your swing set. The line will remove both paint and wood from uprights and base pieces. Any damage resulting from this type of abuse is not covered under our limited warranty.
- Remove plastic swing seats and take in doors or do not use when temperature drops below 0°F.

Weight Limits for Tree Frogs Swing Sets

Fort Platform: 800 Lbs. Total Weight

Full Bucket Swing: 50 Lbs.

Rope Ladder: 75 Lbs.

Swing Belts: 175 Lbs.

Toddler Bucket Swing: 50 Lbs.

Rock Wall: 150 Lbs.

Trapeze: 125 Lbs.

Tire Swing: 125 Lbs. Total Weight

All Slides: 125 Lbs.

Tree Frogs recommends that the weight limits for all components must not be exceeded. Failure to adhere to these and other safety guidelines could result in damage to the swing set and/or injury to the users.

Please keep this install manual for future reference.

To insure SAFE PLAY adults must teach children:

- Not to walk close to, in front of, behind, or between moving items.
- Not to swing empty swing seats.
- Not to swing sideways into the path of adjacent swings.
- Not to use the swing set in a manner other than that for which it is intended.
- Not to get off the equipment while it is in motion.
- Not to jump off the tower.
- Not to stand in the swing seats.
- Not to swing so high that chains become slack, or above the height of the swing support.
- Not to jump on a slide.
- Not to climb on top of the swing support.
- Not to attach to the swing set any item that is not specifically designed for use with the equipment, such as (but not limited to) jump ropes, clotheslines, pet leashes, cables, and chains. These may become strangulation hazards.
- To hold on to swings and climbers with both hands.
- To slide feet first, never head first.
- To watch for other children while swinging or playing near the swing set.

To also insure SAFE PLAY adults must:

- Limit climbing and swinging heights to each child's ability.
- Verify that suspended climbing ropes are secured at both ends.
- Verify that suspended climbing ropes cannot be looped back on themselves.
- Dress children appropriately for play. Use well-fitted shoes that do not have slippery soles.
- Avoid ponchos, scarves, hoods, loose fitting clothing, neckties, and any clothing with a drawstring. Serious injury could result should any part of the children's clothing become entangled in the swing set.
- Do not allow children to play wearing helmets.
- Remember that children are inventive. When they develop games that are unsafe, be alert and change the rules.

IMPORTANT - PLEASE READ

As fresh lumber acclimates to its new environment, the natural tendencies of the tree can show itself in the form of checks, or "cracks" in the lumber. In almost all cases this is normal and it will not affect the structural integrity of your play set.

Cosmetic defects that do not affect the structural integrity of the product, or natural defects of wood such as warping, checking or any other physical properties of wood that do not present a safety hazard, are not covered by this warranty.

Defects that develop because the product is exposed to extreme climate conditions are not covered by this warranty.

Defects that develop as a result of faulty or improper installation of the product are also not covered by this warranty.

Most cracks are not warrantable, however if you believe that the integrity of your play set is compromised by this natural occurrence, please contact the Tree Frogs Swing Set Dealer that you purchased your swing set from.

We appreciate your purchase and know that you will enjoy your play system for many years to come.

Pre-Assembly Hints

- Depending on your experience, assembly of our play sets can take as little as 6 hours up to 24 hours, depending on size, after inventory of parts; therefore, we recommend you set aside a full two days for assembly.
- Identify all of the parts for your play set. Empty each box and lay out boards so you can see each part. Your instruction book will have detailed drawings that will make it easy for you to recognize individual parts. Keep all hardware and metal parts separate from wooden pieces.
- After everything is laid out, check carefully to ensure all parts are present. Make sure there are no broken boards.
- Find an area to sort your hardware. It is best to open the hardware on a solid surface so that you do not lose any pieces in the grass. This will save time and familiarize you with all the different pieces in the hardware bag.

****Important note:** Wood has some natural defects such as knots, surface cracks, etc... We reject parts that are structurally defective. We use a high quality lumber in our structures; however, you should inspect each part for splinters or rough spots and sand them smooth to prevent injury.**

- After familiarizing yourself with all of the components, read all instructions thoroughly. Reading instructions after you have studied the parts will help you understand more clearly the installation process, and help to eliminate unnecessary mistakes.
- Pay close attention to the diameter and length of each bolt and screw.
- Never tighten hardware completely at first. It helps to have some adjustment for bolt alignment while you are attaching parts together. After everything is square, tighten each joint.
- After the main unit is assembled it is critical that the floor is level and square. If the main frame is not level, the walls and floor will be out of square.
- After you complete installation, make sure every bolt, screw, and nut is tight, and every board is secure. Wood will expand and contract with the seasons.
- Place the set on level ground, not less than 6ft from any structure or obstruction such as a fence, garage, house, overhanging branches, laundry lines, or electrical wires.
- All 1/4" and 3/8" lag bolts must have pre-drilled holes 1-1/2" to 2" deep. Use a 1/8" drill bit for the 1/4" lag bolts and 1/4" drill bit for 3/8" lag bolts. Use pre-drilled holes in facias as a reference for placing lag bolt pilot holes.
- If a board lifts or rises causing a gap between boards when running in lag bolts or screws, back out the screw or lag bolt and press or apply pressure (but not enough to crack or break board) while re-running in the lag bolt or screw in the same hole.
- Do not over tighten bolts, lag bolts or screws. You can damage boards, break hardware, and/or strip out the hardware.
- When using hammer do not beat on the hardware, but gently tap it in. Never beat on the wood as it will leave marks.

Leveling Your Swing Set During Assembly

- Complete the steps which will be the basic frame of the fort {i.e. four corner posts with base (sand box boards) and deck supports}
- Position in the most level area chosen for the play set, keeping in mind the location and size of the swing beam, ladder, slides, etc. that extend off the fort.
- Once the frame is in the final position, check for vertical and horizontal levelness to determine which side(s) will need to be dug into the ground to level the play set.
- With a shovel, score the ground around the outside edges of the sandbox boards on the 'high' side of the fort. This is the area that will be dug in. Make sure to score deep enough; the scored lines will be your digging template.
- Push the frame off and away from the scored area, far enough to dig and remove dirt to reach the appropriate depth.
- Dig a channel along the scored line(s) for the base of the fort (corner post and sandbox boards) to rest into. Dig the channel(s) to the same level depth. The bottom of the channel(s) should be level to each other so your frame doesn't teeter or rock because the channel(s) are uneven.
- Once you have removed enough grass and dirt, slide/push the frame into the channel(s). Place a level on the vertical and horizontal boards of the frame to determine if enough soil, or too much, was removed.
- Repeat this process until the basic frame is plumb and level and in its final position before completing the rest of the assembly.
- Measure to make sure fort is square.

**** Important:** if you require a channel depth of more than 6",
then we recommend you have your play set area professionally graded before completing assembly. **

CONSUMER INFORMATION SHEET FOR PLAYGROUND SURFACING MATERIALS

The U.S. Consumer Product Safety Commission (CPSC) estimates that about 100,000 playground equipment related injuries resulting from falls to the ground surface are treated annually in U.S. hospital emergency rooms. Injuries involving this hazard pattern tend to be among the most serious of all playground injuries, and have the potential to be fatal, particularly when the injury is to the head. The surface under and around playground equipment can be a major factor in determining the injury-causing potential of a fall. It is self-evident that a fall onto a shock-absorbing surface is less likely to cause a serious injury than a fall onto a hard surface. However, it should be recognized that some injuries from falls will occur no matter what playground surfacing material is used.

Playground equipment should never be placed on hard surfaces such as concrete or asphalt. Grass may appear to be acceptable, but can turn to hard packed earth in areas of high traffic. Shredded bark mulch, wood chips, or fine gravel are considered to be acceptable shock absorbing surfaces when installed and maintained at a sufficient depth under and around play equipment.

TABLE 1 -CRITICAL HEIGHTS (in feet) OF TESTED MATERIAL

MATERIAL	UNCOMPRESSED DEPTH			COMPRESSED DEPTH
	6 Inch	9 Inch	12 Inch	9 inch
Wood Chips	7	10	11	10
Double Shredded Bark Mulch	6	10	11	7
Engineered Wood Fibers	6	7	>12	6
Fine Sand	5	5	9	5
Coarse Sand	5	5	6	4
Fine Gravel	6	7	10	6
Medium Gravel	5	5	6	5
Shredded Tires**	10-12	N/A	N/A	N/A

** This is data from tests conducted by independent testing laboratories on a 6 inch depth of uncompressed shredded tire samples produced by four manufacturers. The test reported critical heights, which varied from 10 feet to greater than 12 feet. It is recommended that persons seeking to install shredded tires as a protective surface request test data from the supplier showing the critical height of the material when it was tested in accordance with ASTM F1292.

Table 1 should be read as follows: If, for example, uncompressed wood chips are used at a minimum of 6 inches, the Critical Height is 7 feet. If 9 inches of uncompressed wood chips are used, the Critical Height is 10 feet. It should be noted that, for some materials, the Critical Height decreases when the material is compressed. It is recommended that a shock absorbing material should extend a minimum of 6 feet in all directions from the perimeter of stationary equipment such as climbers and slides. However, because children may deliberately jump from a moving swing, the shock absorbing material should extend in the front and rear of a swing a minimum distance of 2 times the height of the pivot point measured from a point directly beneath the pivot on the supporting structure.

This information is intended to assist in comparing the relative shock-absorbing properties of various materials. No particular material is recommended over another. However, each material is only effective when properly maintained. Materials should be checked periodically and replenished to maintain correct depth as determined necessary for your equipment. The choice of a material depends on the type and height of the playground equipment, the availability in your area, and its cost.

This information has been extracted from the CPSC publications "Playground Surfacing-Technical Information Guide" and "Handbook for Public Playground Safety." Copies of these reports can be obtained by sending a postcard to:

Office of Public Affairs
U.S. Consumer Product Safety Commission
Washington, D.C. 20207
Toll-free Hotline: 1-800-638-2772 or at <http://www.cpsc.gov>

Loft Spiral Slide Filler Bundle

Item No.	Part Number	Part Description	QTY.
SFB-1	10-4-00197	SPIRAL SLIDE FILLER BOARD	2

Dlx Spiral Slide Legs Bundle

SLB-1	17-4-00127	20" SPIRAL SLIDE BRACE	2
SLB-2	17-4-00128	30" SPIRAL SLIDE BRACE	2
SLB-3	17-4-00129	LEFT 24" SPIRAL SLIDE LEG	1
SLB-4	17-4-00130	RIGHT 24" SPIRAL SLIDE LEG	1
SLB-5	17-4-00131	RIGHT 32" SPIRAL SLIDE LEG	1
SLB-6	17-4-00132	LEFT 32" SPIRAL SLIDE LEG	1

Dlx Spiral Slide Hardware Bag

SHB-1	40-1-00083	1/2" USS FLATWASHER	4
SHB-2	40-1-00082	3/8" USS FLATWASHER	22
SHB-3	40-1-00074	1/2" SPLIT LOCKWASHER	4
SHB-4	40-1-00028	1/2" HEX NUT	4
SHB-5	40-1-00002	1/2" ACORN NUT	4
SHB-6	40-1-00061	3/8" X 5" HEX LAG SCREW	6
SHB-7	40-1-00059	3/8" X 3 1/2" HEX LAG SCREW	16
SHB-8	40-1-00011	1/2" X 3 1/2" CARRIAGE BOLT	4

Dlx Spiral Slide Hardware Kit

SHK-1	40-1-00082	3/8" USS FLATWASHER	12
SHK-2		5/16" FLATWASHER	120
SHK-3	40-1-00003	3/8" X 1 1/4" CARRIAGE BOLT	12
SHK-4	40-1-00105	5/16" X 1" HEX BOLT	60
SHK-5	40-1-00064	3/8" NYLON LOCKNUT	12
SHK-6		5/16" NYLON LOCKNUT	60

Dlx Spiral Slide Hardware Kit

SC-1	SLIDE COMPONENT-1	1
SC-2	SLIDE COMPONENT-2	1
SC-3	SLIDE COMPONENT-3	1
SC-4	SLIDE COMPONENT-4	1
SC-5	SLIDE COMPONENT-5	1
SC-6	SLIDE COMPONENT-6 EXIT	1
SC-7	SLIDE COMPONENT-7 ENTRANCE	1

Loft Spiral Slide Filler Bundle

SFB-1

10-4-00197

Spiral Slide Filler Board

QTY. 2



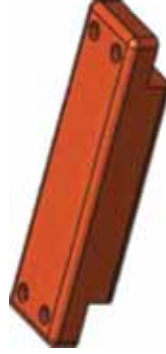
DLX Spiral Slide Legs Bundle

SLB-1

17-4-00127

20" Spiral Slide Brace

QTY. 2

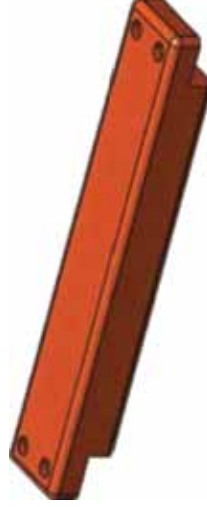


SLB-2

17-4-00128

30" Spiral Slide Brace

QTY. 2

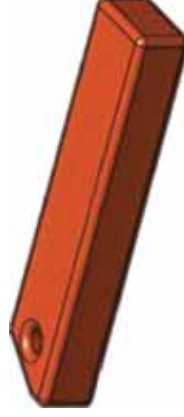


SLB-3

17-4-00129

Left 24" Spiral Slide Leg

QTY. 1

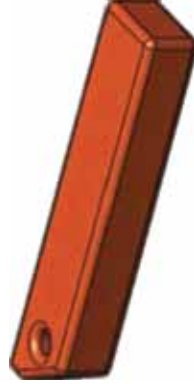


SLB-4

17-4-00130

Right 24" Spiral Slide Leg

QTY. 1

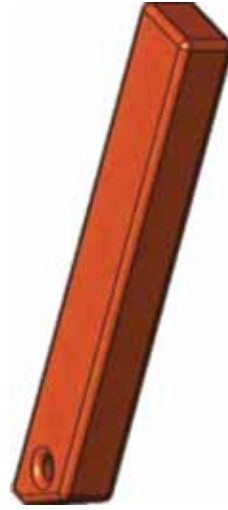


SLB-5

17-4-00131

Right 32" Spiral Leg

QTY. 1

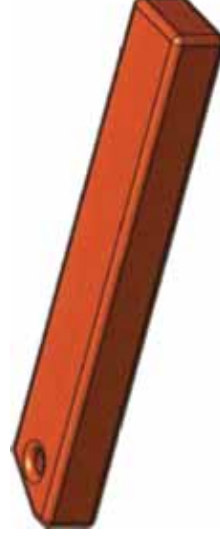


SLB-6

17-4-00132

Left 32" Spiral Leg

QTY. 1



DLX. SPIRAL SLIDE HDWR. BAG

INSTALLER NOTE: (YOU MUST ASSEMBLE THIS PRODUCT IN ACCORDANCE WITH THESE ASSEMBLY INSTRUCTIONS. WHEN COMPLETE GIVE MANUAL TO OWNER.)

#SHB-1
40-1-00083
1/2" USS Flatwasher
QTY. 4



#SHB-2
40-1-00082
3/8" USS Flatwasher
QTY. 22



#SHB-3
40-1-00074
1/2" Split Lockwasher
QTY. 4



#SHB-4
40-1-00028
1/2" Hex Nut
QTY. 4



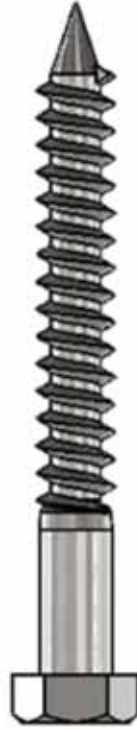
#SHB-5
40-1-00002
1/2" Acorn Nut
QTY. 4



#SHB-6
40-1-00061
3/8" x 5" Hex Lag Screw
QTY. 6



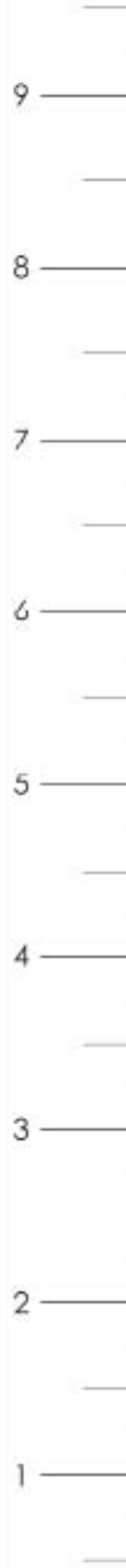
#SHB-7
40-1-00059
3/8" x 3 1/2" Hex Lag Screw
QTY. 16



#SHB-8
40-1-00011
1/2" x 3 1/2" Carriage Bolt
QTY. 4



MEASUREMENT TAKEN FROM BOTTOM OF BOLT HEAD TO THE BOTTOM OF BOLT



USE THE RULER TO MEASURE YOUR BOLTS AND SCREWS. HARDWARE VIEWS SHOWN ABOVE ARE 1:1 SCALE AND CAN BE USED TO MATCH HARDWARE SIZES.

DLX. SPIRAL SLIDE HDWR. KIT

INSTALLER NOTE: (YOU MUST ASSEMBLE THIS PRODUCT IN ACCORDANCE WITH THESE ASSEMBLY INSTRUCTIONS. WHEN COMPLETE

GIVE MANUAL TO OWNER.)

#SHK-1
40-1-00082
3/8" USS Flatwasher
QTY. 12



#SHK-2
5/16" USS Flatwasher
QTY. 120



#SHK-3
40-1-00003
3/8" x 1 1/4" Carriage Bolt
QTY. 12



#SHK-4
40-1-00105
5/16" x 1" Hex Bolt
QTY. 60



#SHK-5
40-1-00064
3/8" Nylon Insert Locknut
QTY. 12



#SHK-6
5/16" Nylon Insert Locknut
QTY. 60



MEASUREMENT TAKEN FROM BOTTOM OF BOLT HEAD TO THE BOTTOM OF BOLT

USE THE RULER TO MEASURE YOUR BOLTS AND SCREWS. HARDWARE VIEWS SHOWN ABOVE ARE 1:1 SCALE AND CAN BE USED TO MATCH HARDWARE SIZES.

DLX Spiral Slide Components

SC-1
Slide Component-1
QTY. 1



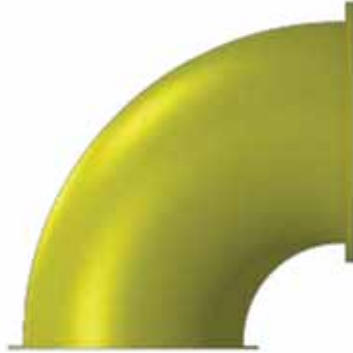
SC-2
Slide Component-2
QTY. 1



SC-3
Slide Component-3
QTY. 1



SC-4
Slide Component-4
QTY. 1



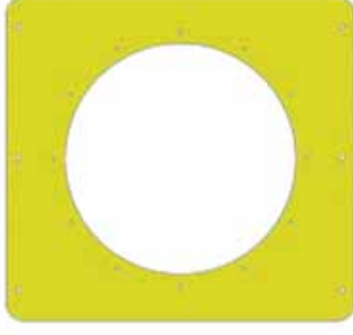
SC-5
Slide Component-5
QTY. 1



SC-6
Slide Component-6
QTY. 1



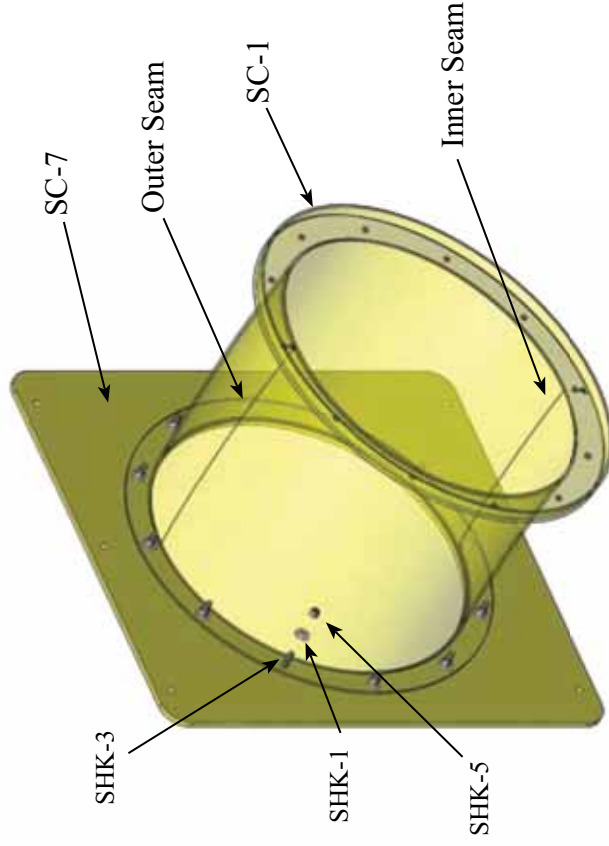
SC-7
Slide Component-7
QTY. 1



Sub- Assemblies

Parts Needed

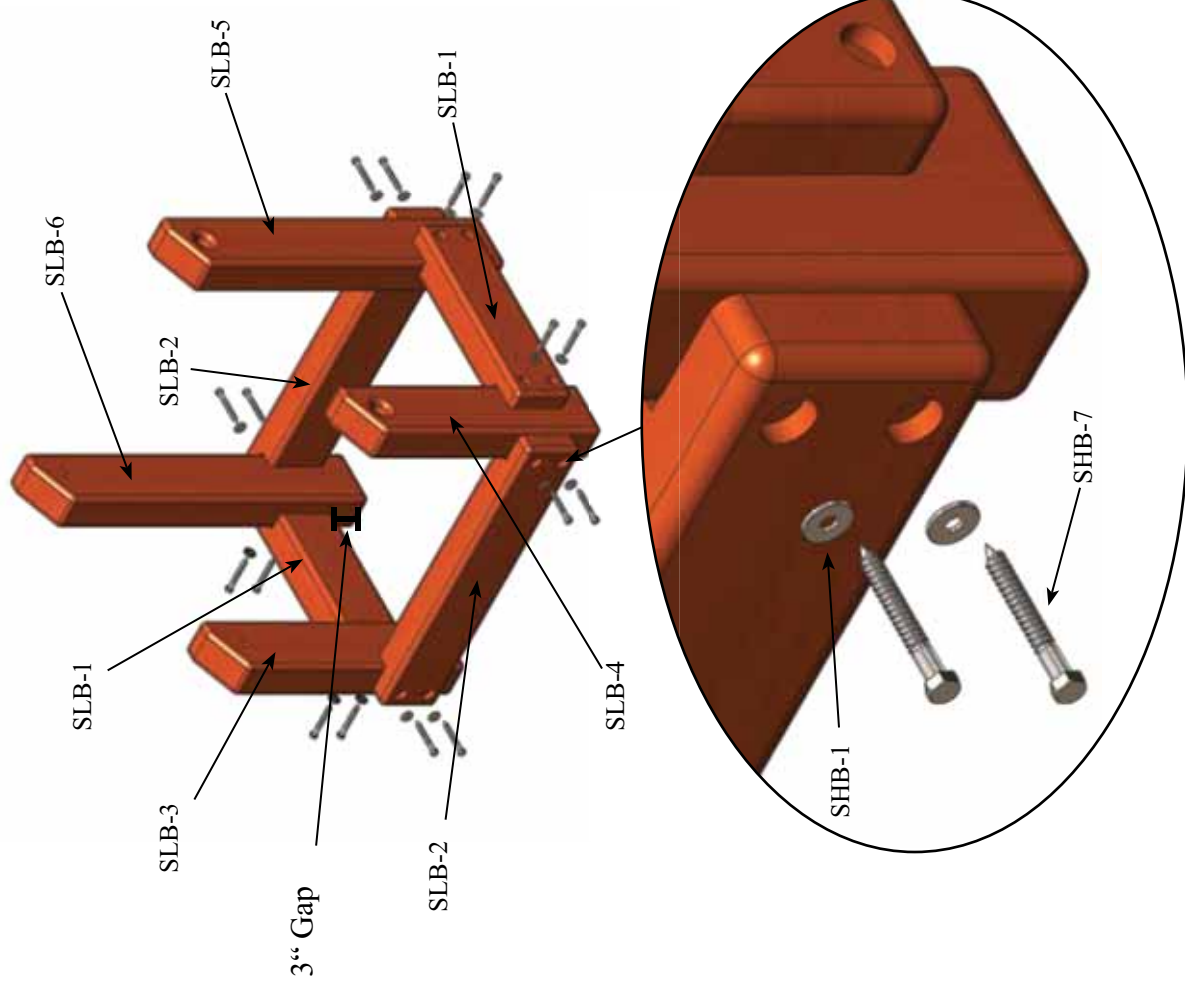
- SC-1- Slide Component-1-
- SLB-1- 20" Spiral Slide Brace-
- SLB-3- 24" (L) Spiral Slide Leg-
- SLB-5- (R) 32" Spiral Slide Leg-
- SC-7- Slide Panel-
- SLB-2- 30" Spiral Slide Brace-
- SLB-4- (R) 24" Spiral Slide Leg-
- SLB-60 (L) Spiral Slide Leg-



STEP: The first thing we need to do is find the inner and outer seam of the slide part. The inner seam will be on the inside of the curve and the outer seam will be on the outside of the curve. Then we are going to line the bottom seam up with the hole in the bottom center of the panel and the top seam to the top center hole of the panel. Then using the SHK-3 (3/8" x 1 1/4" Carriage Bolts), the SHK-1 (3/8" USS Flatwashers), and the SHK-5 (3/8" Nylon Locknuts) we lag down Slide Component-1 to the Slide Panel. Then our 1st sub assembly will be done and we can set it to the side for now.

Hardware Needed

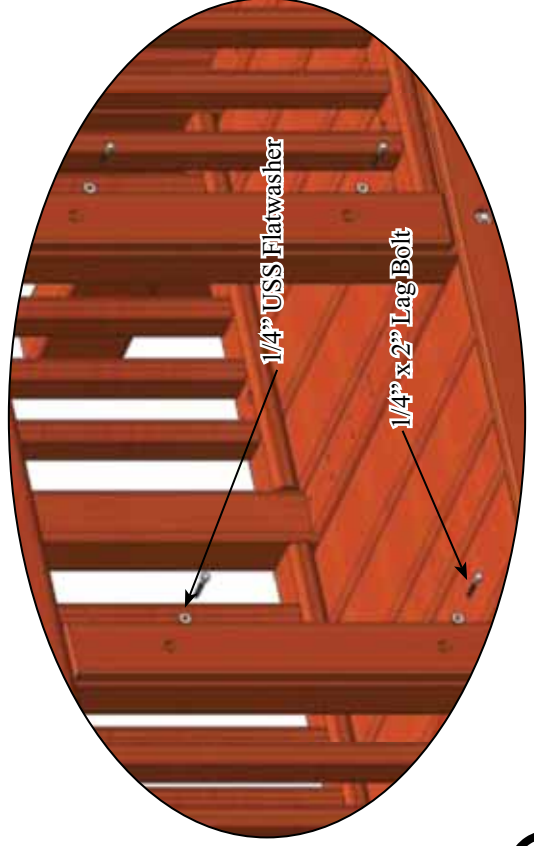
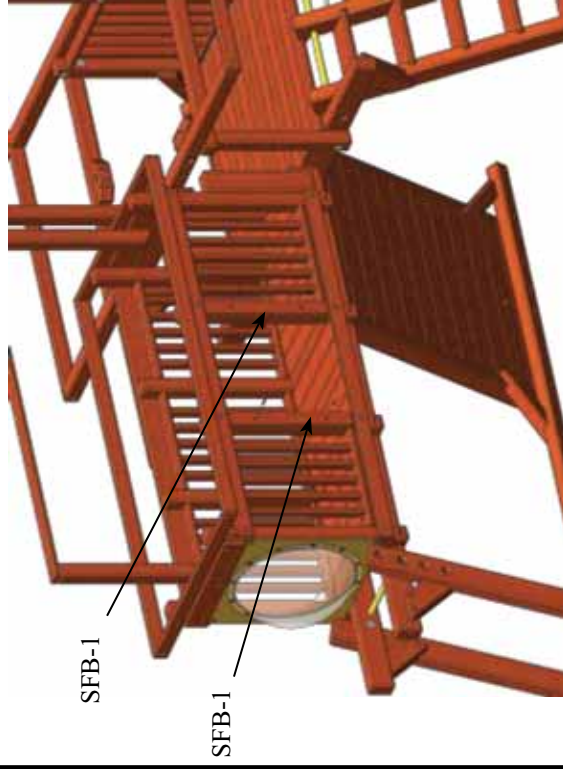
- SHK-3- 3/8" x 1 1/4" Carriage Bolt- (1)
- SHK-5- 3/8" Nylon Locknut- (2)
- SHB-7- 3/8" x 3 1/2" Hex Lag Bolt- (1)
- SHB-2- 3/8" USS Flatwasher- (16)
- SHK-1- 3/8" USS Flatwasher- (12)
- SHB-1- 3/8" USS Flatwasher- (16)



Main Assembly

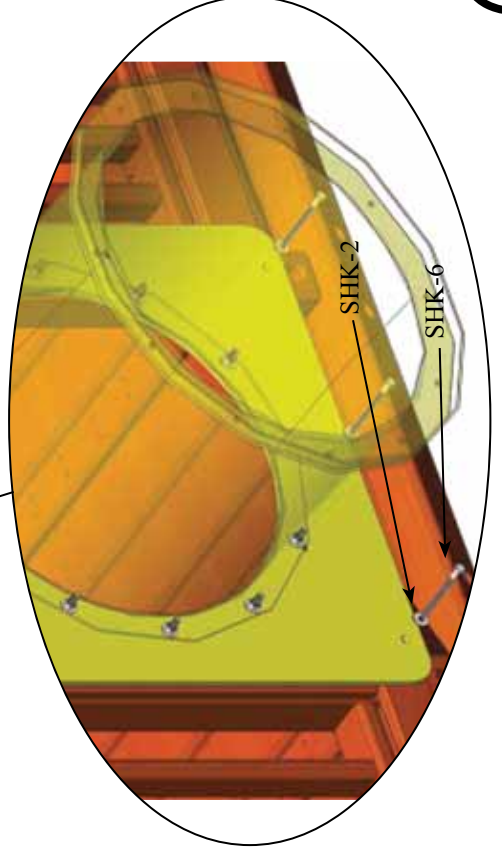
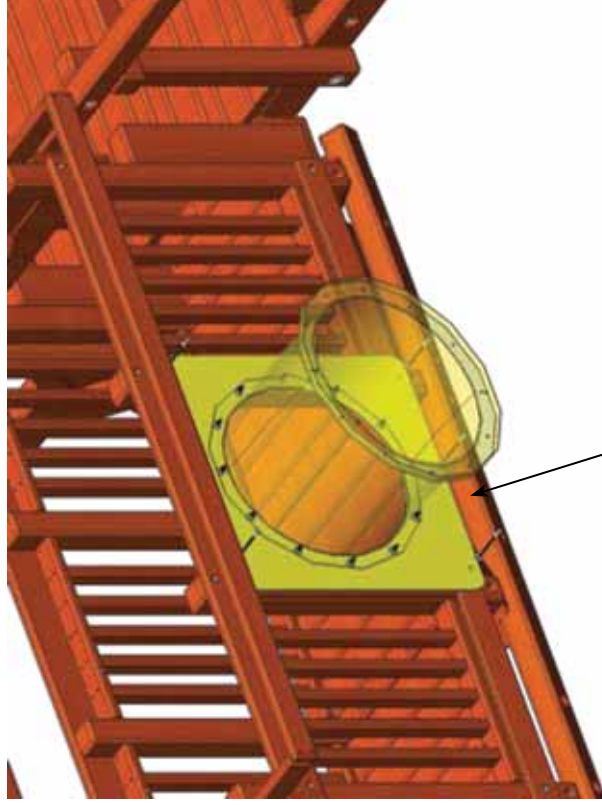
Parts Needed

- SFB-1 - Spiral Slide Filler Board- (2)
Step 1 Assembly- (1)



Hardware Needed

- 1/4" x 2" Hex Lag Bolts- (4) w/ Loft Hardware Bundle
1/4" USS Flatwashers- (4) w/ Loft Hardware Bundle
SHK-6- 3/8" x 5" Hex Lag Screw- (6)
SHK-2- 3/8" USS Flatwasher- (6)



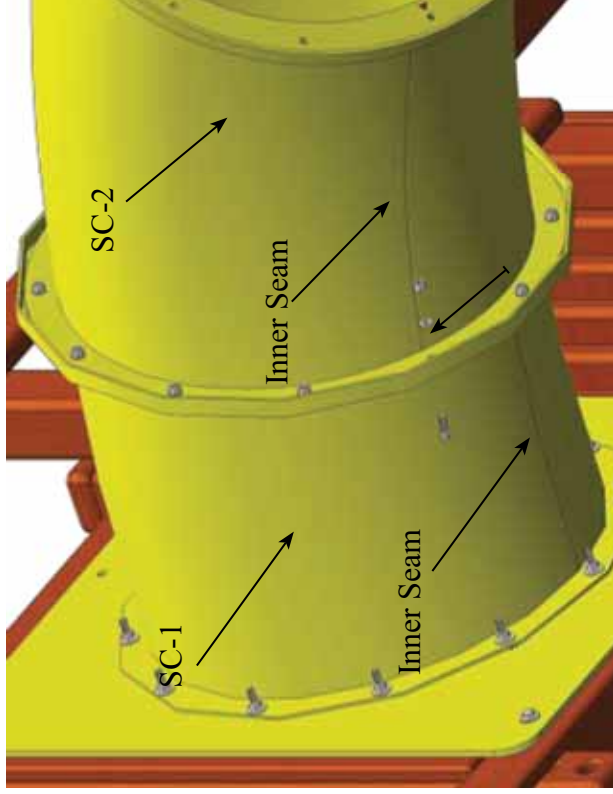
Main Assembly

Parts Needed

SC-2- Slide Component 2- (1)
 SC-3- Slide Component 3- (1)

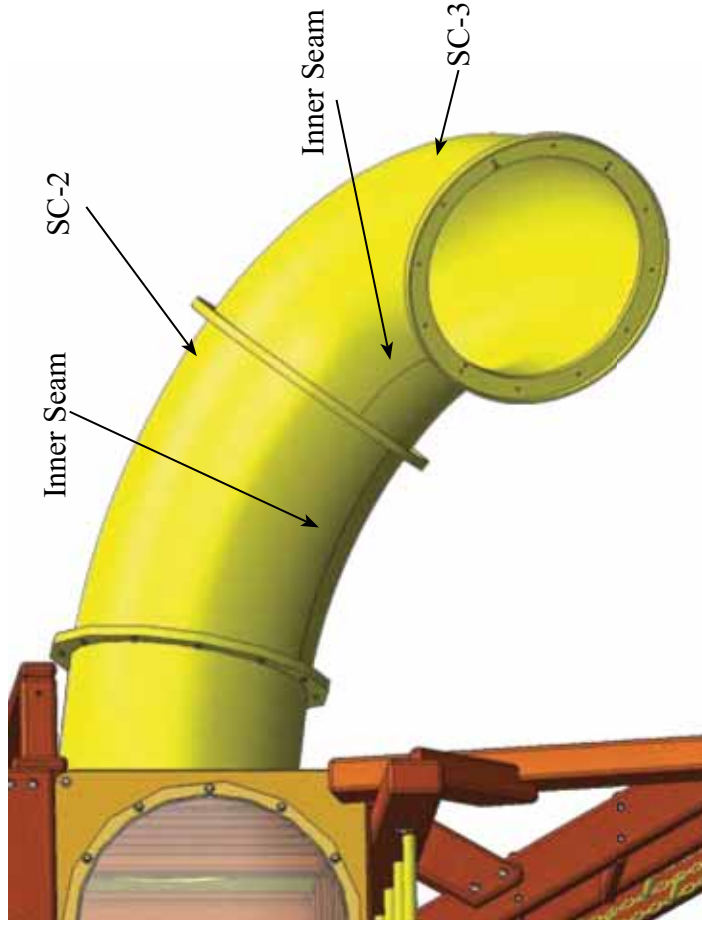
Hardware Needed

SHK-2- 5/16" USS Flatwasher- (48)
 SHK-4- 5/16" x 1" Hex Bolt- (24)
 SHK-6- 5/16" Nylon Locknut- (24)



Step: Again the first thing we want to do now is find the inner and outer seam of SC-2. The inner seam being on the inside of the curve and the outer seam being on the outside of the curve. When attaching this part to SC-1 we are going to take the inner seams and line them up, then rotate the SC-2 CLOCKWISE one hole as shown above. Then using (2) SHK-2's (5/16" Flatwashers), (1) SHK-4 (5/16" x 1" Hex Bolt), and (1) SHK-6 (5/16" Nylon Locknut) for each hole we are going to lag down the part.

**** Depending on which way the unit is facing the step may be reversed****



Step: The first thing we want to do now is find the inner and outer seam of SC-3. The inner seam being on the inside of the curve and the outer seam being on the outside of the curve. When attaching this part to SC-2 we are going to take the inner seams and line them up, then rotate the SC-3 CLOCKWISE one hole as shown above. Then using (2) SHK-2's (5/16" Flatwashers), (1) SHK-4 (5/16" x 1" Hex Bolt), and (1) SHK-6 (5/16" Nylon Locknut) for each hole we are going to lag down the part.

**** Depending on which way the unit is facing the step may be reversed****

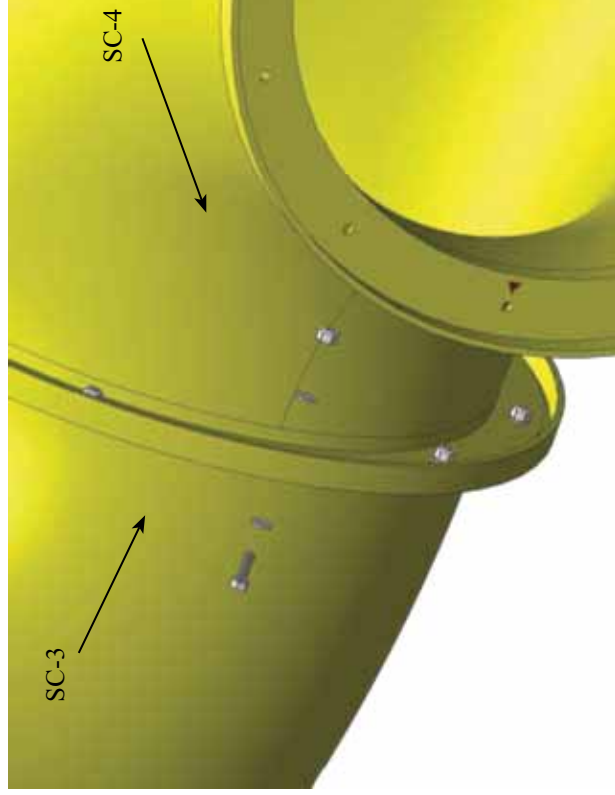
Main Assembly

Parts Needed

SC-4- Slide Component- 4- (1)
SC-5- Slide Component-5- (1)

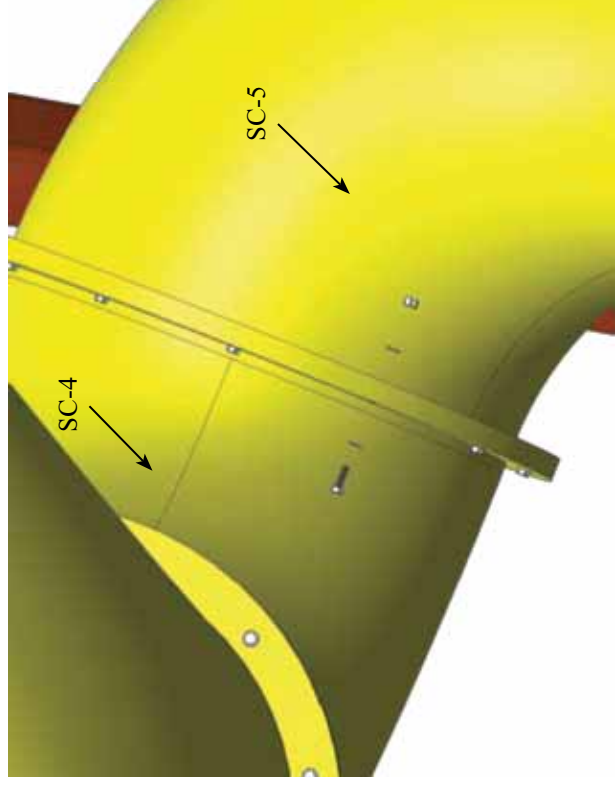
Hardware Needed

SHK-2- 5/16" USS Flatwasher- (48)
SHK-4- 5/16" x 1" Hex Bolt- (24)
SHK-6- 5/16" Nylon Locknut- (24)



Step: Again the first thing we want to do now is find the inner and outer seam of SC-4. The inner seam being on the inside of the curve and the outer seam being on the outside of the curve. When attaching this part to SC-3 we are going to take the inner seams and line them up, then rotate SC-4 COUNTER CLOCKWISE two holes. Then using (2) SHK-2's (5/16" Flatwashers), (1) SHK-4 (5/16" x 1" Hex Bolt), and (1) SHK-6 (5/16" Nylon Locknut) for each hole we are going to lag down the part.

**** Depending on which way the unit is facing the step may be reversed****



Step: Again the first thing we want to do now is find the inner and outer seam of SC-5. The inner seam being on the inside of the curve and the outer seam being on the outside of the curve. When attaching this part to SC-4 we are going to take the inner seams and line them up, then rotate SC-5 COUNTER CLOCKWISE two holes. Then using (2) SHK-2's (5/16" Flatwashers), (1) SHK-4 (5/16" x 1" Hex Bolt), and (1) SHK-6 (5/16" Nylon Locknut) for each hole we are going to lag down the part.

**** Depending on which way the unit is facing the step may be reversed****

Main Assembly

Parts Needed

SC-6- Slide Component 2-

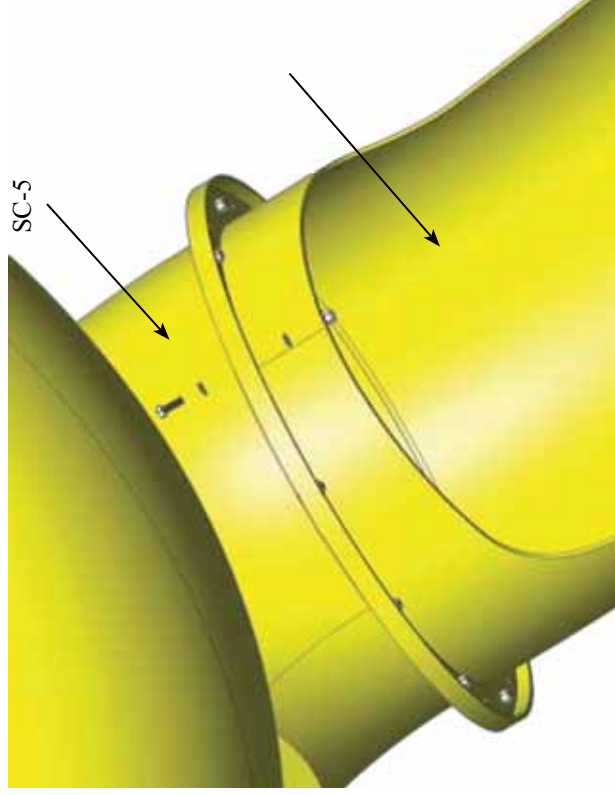
(1)

Hardware Needed

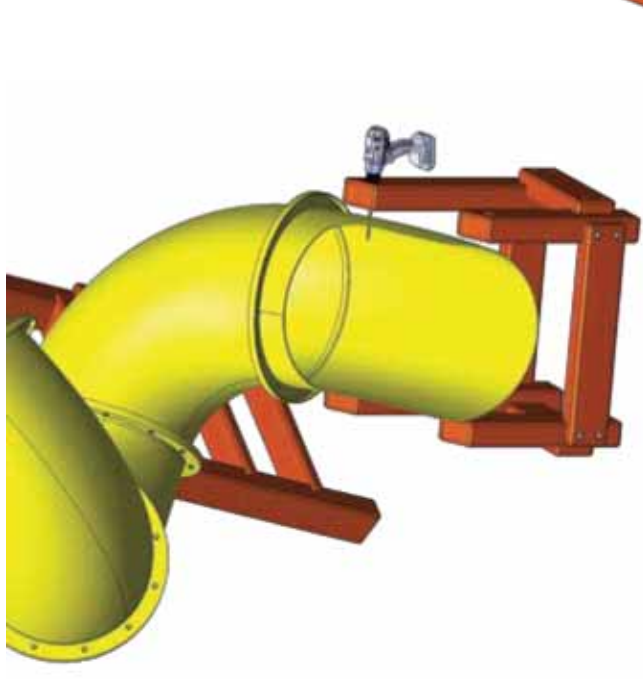
SHK-2- 5/16" USS Flatwasher- (24)

SHK-4- 5/16" x 1" Hex Bolt- (12)

SHK-6- 5/16" Nylon Locknut- (12)

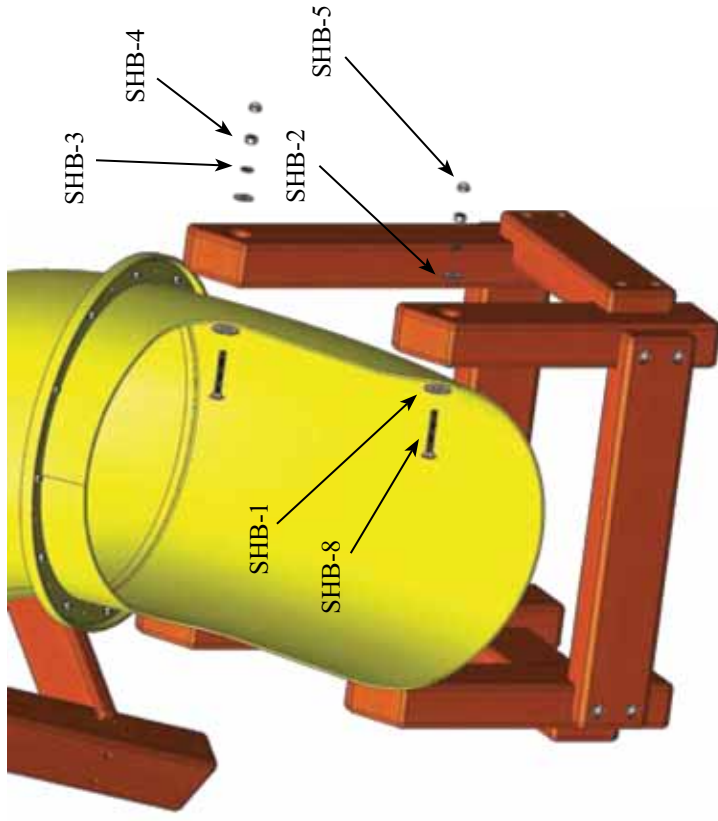


Step: For the SC-6 we want it to be level. Making the exit an exit. To do this we can line up the seams straight up and down like in the very first assembly or we can line up the inner seams of SC-5 and SC-6, then rotate COUNTER CLOCKWISE 2 holes. Then using (2) SHK-2's (5/16" Flatwashers), (1) SHK-4 (5/16" x 1" Hex Bolt), and (1) SHK-6 (5/16" Nylon Locknut) for each hole we are going to lag down the part.

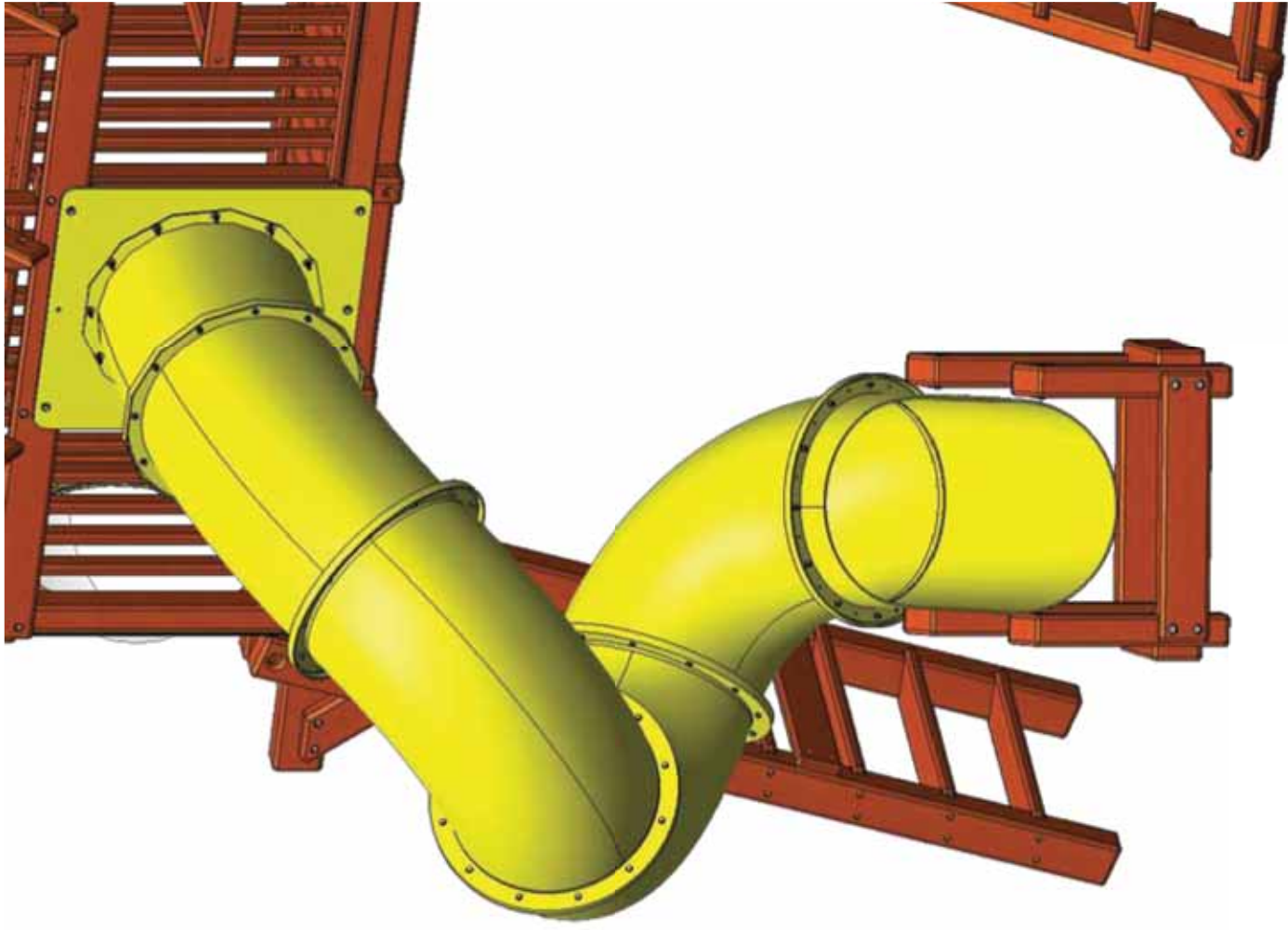


Step: To finish the Deluxe Spiral we only have 2 steps left. The first is to take a 9/16" drill bit and drill a hole through the slide where we will connect it to the pre assembled base from the first page of the assembly. This can be tricky so its best to take this step and the next step and repeat both for each hole connecting SC-6 to the pre built assembly. Take note that the slide is a hard plastic but it can be stretched to complete our mission.

Main Assembly



This step needs to be combined with the previous step to ensure this gets done properly. After drilling a 9/16" Hole through the slide we are going to secure it to the base using a SHB-8 (3/8" x 3 1/2" Carriage bolt), SHB-1 (1/2" USS Flatwasher), SHB-2 (3/8" USS Flatwasher), SHB-3 (3/8" Split Lockwasher), SHB-4 (3/8" Hex Nut), SHB-5 (3/8" Acorn Nut). We are going to snug the slide to the inside of wall of the corner post. And repeat this step and the previous step until all cornerers have been drilled and lagged down.



2014 JAGUAR PLAYSET SERIES WARRANTY

Tree Frogs is proud to offer you our Limited 10 Year, 5 Year and 1 Year Warranty.

Tree Frogs Warranties all Redwood and Cedar components against structural failure due to warping, wood rot, insect infestation (excluding Carpenter Bees) or decay for a period of 10 Years from the date of original purchase. A 10-Year limited Warranty also applies to all roto-molded slides, ductile iron swing hangers, all tire swivels, metal climbing rungs and swing beam brackets against failure due to rust or failure in defect in material. This warranty does not cover cracks, fissions, checks, fading, knots and weathering that are normal natural characteristics of wood, that do not affect the structural integrity of the product. Surface rust, fading, weathering, cracks/chips in coatings and corrosion that does not affect structural integrity is not covered by this warranty.

Furthermore, for a period of 5-Years, Tree Frogs limited warranties applies to all components & accessories including all swings, chain ladders, gliders, handles, brackets, bubble panels, tarps, steering/ships wheels, telescopes, binoculars, buoy ball, disc, (except ropes) that are not covered under the 10-Year Warranty to be free from defects in material and workmanship. This includes all blow molded slides. Surface rust, fading, weathering, cracks/chips in coatings and corrosion that does not affect structural integrity is not covered by this warranty.

And for a period of 1-Year Tree Frogs warranties all ropes to be free of defects in material and workmanship. This includes all structural foam molded slides. Fading is not considered a defect and may occur with seasonal and geographical conditions.

This warranty is limited to a repair or replacement of the defective part. Product covered under this warranty will be shipped at the customer's expense. Tree Frogs is not responsible for any expense associated with freight, or delivery and installation of the warranted part(s).

Tree Frogs reserves the right to inspect all warranty claim parts for which a claim has been made. This limited warranty applies only to the original retail purchaser and for residential use only. These warranties void when product is transferred or sold or no longer in possession by original owner. A copy of the original invoice must be presented to initiate warranty claim. This limited warranty does not cover damage from abuse, acts of God, vandalism, negligence, alterations, normal wear & tear, use other than residential, unauthorized modification, damage due to moving of product or improper installation and or use. Any modification could damage the structural integrity of the play system and voids all warranties.

This warranty is exclusive and expressly in lieu of all other warranties, expressed or implied, including warranties of merchantability or fitness for use. Tree Frogs does not assume, or authorize any person to assume for us, any other liability in connection with the sale of our products.

This warranty gives you specific legal rights, and you also may have other rights that vary from state to state.

***WARRANTY EXCLUSIONS: Tower Kit (1 YR WARRANTY)**

****WARRANTY EXCLUSIONS: Toucan Fort, Toucan Playcenter, (Limited 5Yr/5Yr/1Yr WARRANTY)**

Register your play system's warranty at www.treefrogsswingsets.com.

Tree Frogs reserves the right at any time to change product specifications or substitute similar components. See your owner's manual for the regular maintenance requirements & maintenance guidelines. Your child's play system & perimeter play zone should be inspected regularly for any wear & safety hazards.