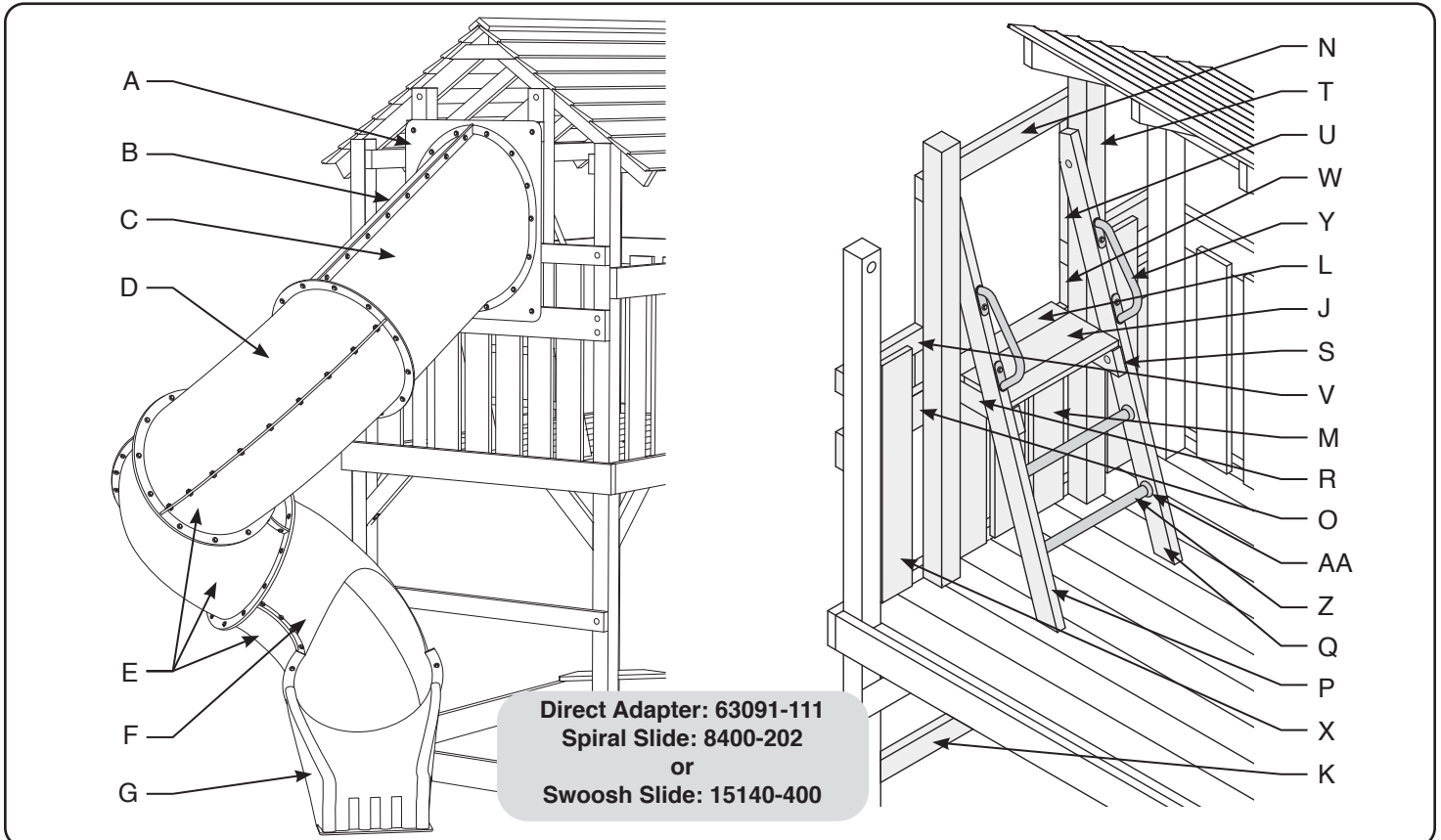


Creative Playthings®





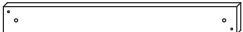

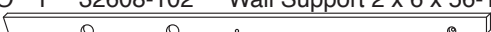

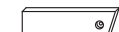
63091-111
ASSEMBLY MANUAL


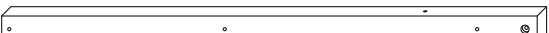




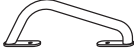
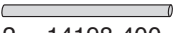


DIRECT CONNECT ADAPTER FOR SPIRAL & SWOOSH SLIDES



IMPORTANT NOTE: When a Spiral Slide is mounted directly to your set, be sure to mount a Trapeze in the swing position closest to the gym. Any other accessories could cause a conflict of play.

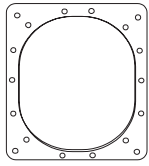
Adapter Components

	J	1	31766-102	Deck Slat 5/4 x 6 x 19"
	K	1	32594-102	Bottom Side Supp. 2 x 4 x 56-1/2"
	L	2	32596-102	Platform Board 5/4 x 4 x 19"
	M	3	32599-102	Short Wall Slat 5/4 x 6 x 25"
	N	1	32606-102	Top Support 2 x 4 x 28-3/4"
	O	1	32608-102	Wall Support 2 x 6 x 56-1/2"
	P	1	35417-102	Left Ladder Rail 2 x 4 x 59"
	Q	1	35418-102	Right Ladder Rail 2 x 4 x 59"
	R	1	35419-102	Left Platform Side 2 x 4 x 11-3/4"

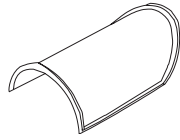
	S	1	35420-102	Right Platform Side 2 x 4 x 11-3/4"
	T	2	35421-102	Side Support 4 x 4 x 66"
	U	2	35422-102	Side Filler 2 x 4 x 17-1/2"
	V	2	32607-102	Top Wall Support 2 x 4 x 17-1/8"
	W	2	35423-102	Bottom Side Filler 2 x 4 x 7-1/2"
	X	2	35425-102	Long Slat 5/4 x 6 x 37-1/2"
	Y	2	14179-400	Deluxe Hand Grip
	Z	2	14198-400	Steel Rung 1-3/8" Dia. x 20-3/4"
	AA	4	15139-400	Rung Collar, Green 1-3/8" Dia. x 7/8"
		1	50567-700	Hardware, Direct Connect

ASSEMBLY INSTRUCTIONS

Slide Components



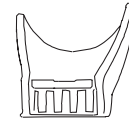
A-(1) Mounting Plate
P/N 15064-1480-Green



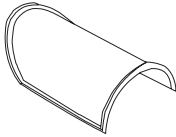
C-(1) Right Entrance
P/N 15064-1474-Green



E-(3) Bottom Elbow
P/N 15064-1476-Green



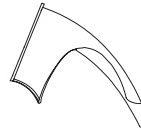
G-(1) Run-off Section
P/N 15064-1479-Green



B-(1) Left Entrance
P/N 15064-1475-Green



D-(2) Top Elbow
P/N 15064-1477-Green



F-(1) Exit Section
P/N 15064-1478-Green



H-(1) Lower Slide Support Bracket
P/N 15064-1120

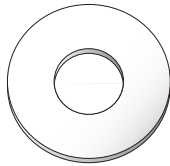


I-(2) Spiral Slide Anchor Nail
P/N 12100-848

Fasteners



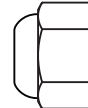
Lock Washer 5/16"



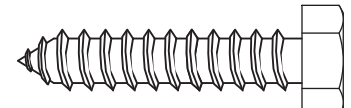
Flat Washer 5/16"



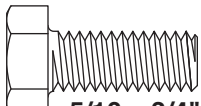
Flat Washer 1/4"



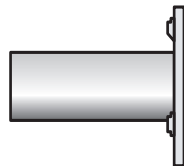
Lock Nut 5/16"



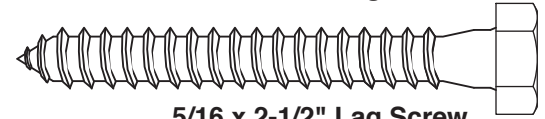
5/16 x 1-1/2" Lag Screw



5/16 x 3/4" Hex Bolt



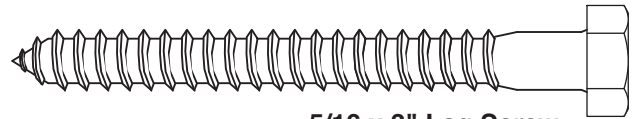
Weld Nut 5/16"



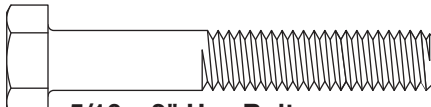
5/16 x 2-1/2" Lag Screw



5/16 x 1-1/2" Hex Bolt



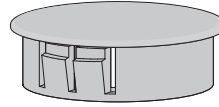
5/16 x 3" Lag Screw



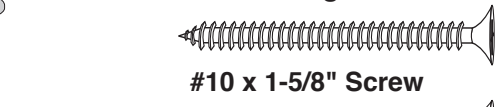
5/16 x 2" Hex Bolt



Weld Nut 1/4"



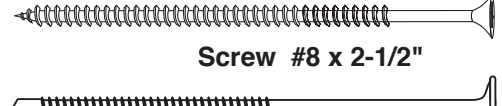
Hole Cap



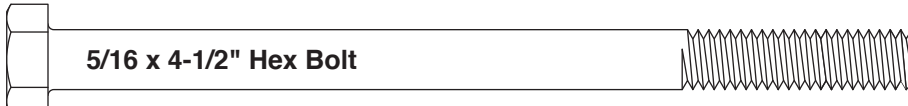
#10 x 1-5/8" Screw



5/16 x 4" Hex Bolt



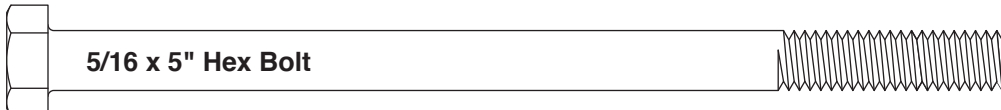
Screw #8 x 2-1/2"



5/16 x 4-1/2" Hex Bolt



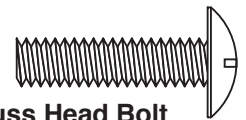
#10 x 2-1/2" Self-Drill Screw



5/16 x 5" Hex Bolt



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



1/4 x 1" Truss Head Bolt

50567-700 Hardware, Direct Connect

37	12002-206	Flat Washer 5/16"	4	17003-2011	Hex Bolt 5/16 x 5"	3	17001-104	Weld Nut, 1/4"
23	12017-206	Lock Washer 5/16"	4	17036-602	Lag Screw 5/16 x 1-1/2"	4	17036-601	Lag Screw 1/4 x 1-1/2"
23	17001-105	Weld Nut 5/16"	6	17036-1002	Lag Screw 5/16 x 2-1/2"	3	17119-409	Truss Head Bolt 1/4 x 1"
2	17003-611	Hex Bolt 5/16 x 1-1/2"	2	17036-1202	Lag Screw 5/16 x 3"	17	15081-704	1" Hole Cap, Brown
2	17003-811	Hex Bolt 5/16 x 2"	38	17020-115	Screw #10 x 1-5/8"	Spiral Slide Hardware (In Sp. Slide Box)		
13	17003-1611	Hex Bolt 5/16 x 4"	28	17020-109	Screw #8 x 2-1/2"	106	17003-311	5/16 x 3/4" Hex Bolts
6	17003-1811	Hex Bolt 5/16 x 4-1/2"	5	17120-902	Self-Drilling Screw 2-1/2"	212	12002-206	5/16 Flat Washers
			4	12002-203	Flat Washer 1/4"	106	12052-206	5/16" Lock Nuts

DIRECT ADAPTER FOR SPIRAL & SWOOSH SLIDES

ASSEMBLY INSTRUCTIONS

Tools & Supplies Needed

- Electric Drill
- 3/8" & 3/16" Dia. Drill Bits
- Phillips Driver Bit
- Tape Measure
- Pencil
- Socket Wrenches with Extension
- 8 Foot Step Ladder

- C-Wrench or 7/16" Ratcheting Box Wrench
- Level

To Alter 9ft Beam:

- Saw
- Brown Stain
- 1" Dia. Drill Bit

Usage & Safety Information

This Direct Connect Adapter is designed to mount on the gable end of the Williamsburg or Lexington gym with a wood roof. The Spiral Slide and the Swoosh Slide add to the safe play zone requirements for the gym. Make sure the slides do not conflict with other play accessories. **The slide MUST NOT exit in front of or behind swings.**

Never mount a 9 Foot Swing Beam to the same end of the gym as the Spiral Slide Direct Connect. To mount a 9 Foot Swing Beam adjacent to the Swoosh Slide Direct Connect see the instructions starting at the bottom of page 10 of this document.

Direct Connect Adapter Assembly

STEP 1 — Remove Wall Components

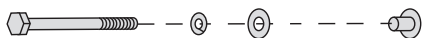
In preparation for installing the Spiral Slide, remove the following parts from the desired end of your Wooden Roof Gym. Do not remove the Roof Rafters as they are part of installation of the Spiral Slide.

- End Wall Support
- Wall Slats

Put aside the removed components and the associated hardware for use later in the assembly process. Save the other parts to use as maintenance resources in the future.

STEP 2 — Assemble Adapter

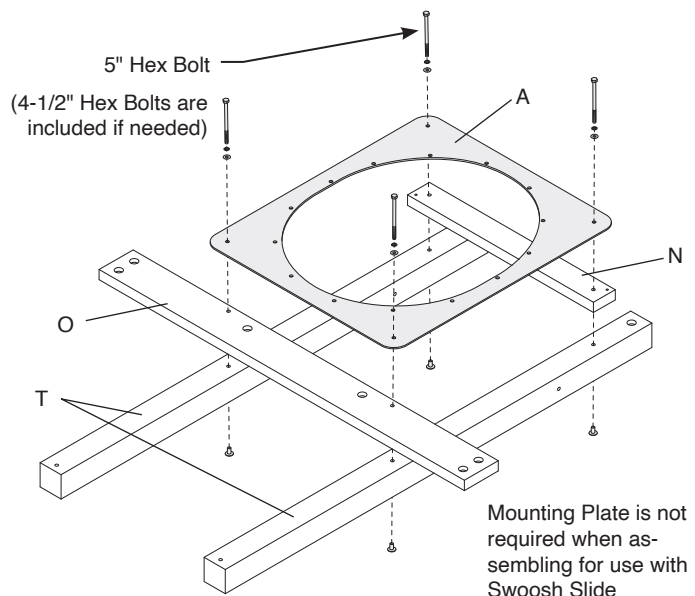
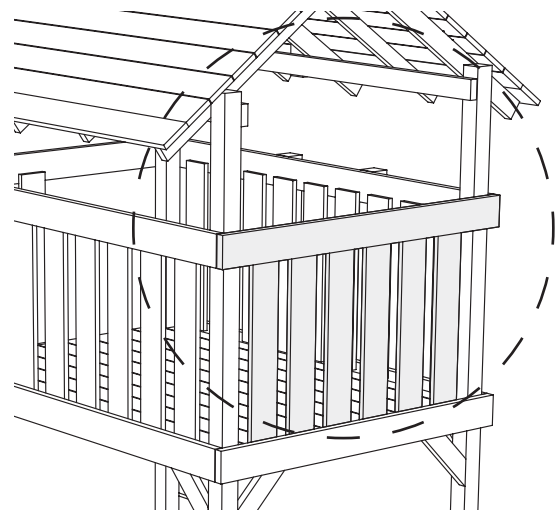
Locate the Mounting Plate (A), Top Support (N), Wall Support (O), and the two Side Supports (T). Place the components as shown. Fasten the Mounting Plate using four 5/16 x 5" Hex Bolt Assemblies* through the Top Support, Wall Support and Side Supports. **If the 5" Bolts protrude, use 4-1/2" Bolts provided.**



* **Note:** a Hex Bolt Assembly consists of one Hex Bolt passing through one Lock Washer and one Flat Washer, threaded into one Weld Nut.

This step is to square the assembly by using the Mounting Plate as a reference. The Mounting Plate will be removed in STEP 4.

The Mounting Plate is used on the Spiral Slide only. Build the assembly without the Mounting Plate if installing the Swoosh Slide.



ASSEMBLY INSTRUCTIONS

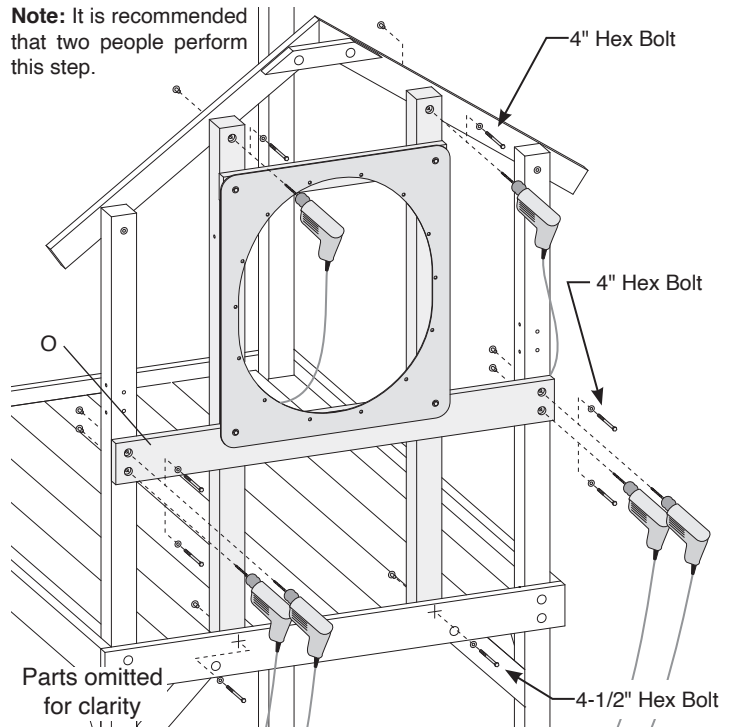
STEP 3 — Install Adapter

Carefully raise the Adapter up to the gym tower platform, lean it against the Roof Rafters and make sure the Wall Support (O) is flush with the Corner Posts, as shown. Use a level to make sure the Wall Support is level and the Side Supports are plumb.

At the top of the Adapter, mark the position of the countersunk holes onto the Roof Rafters and drill two 3/8" diameter holes through the Rafters. Fasten the Adapter to the Rafters using two 5/16 x 4" Hex Bolt Assemblies.

On the both ends of the Wall Support, mark the position of the countersunk holes onto the Corner Posts and drill 3/8" diameter holes through the Corner Posts. Fasten the Wall Support to the Corner Posts using four 5/16 x 4" Hex Bolt Assemblies.

Mark the positions of the holes on the bottom of the Side Supports to the Platform Support. Drill 3/8" diameter holes through the marks made. Fasten the Side Posts to the Platform Support using two 5/16 x 4-1/2" Hex Bolt Assemblies.



STEP 4 — Install Adapter Components

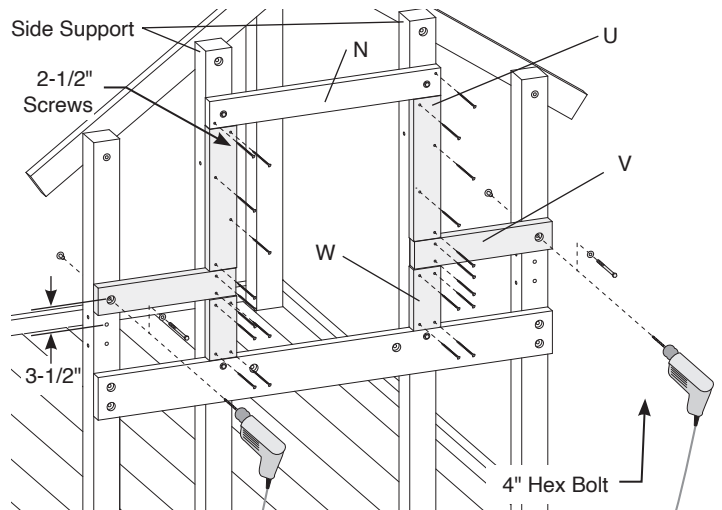
Spiral Slide Only: remove the Mounting Plate and set it aside for later use.

All Assemblies: secure the Top Support (N) using two #8 x 2-1/2" screws through the holes at the corners, as shown. Make sure the holes for the Hex Bolt Assemblies align properly between the Top Support and the Side Supports.

Rest each Bottom Side Filler (W) on top of the Wall Support as shown. Secure each using four #8 x 2-1/2" Screw.

Place one Top Wall Support (V) as shown. Mark the position of the counter-bored hole on the adjacent Corner Post. The mark should be 3-1/2" above the hole below. Drill through the Post using a 3/8" diameter drill. Fasten the Top Wall Support to the Post using one 5/16 x 4" Hex Bolt. Fasten to the Side Support using two #8 x 2-1/2" Screws. Repeat with the remaining Wall Top on the other side.

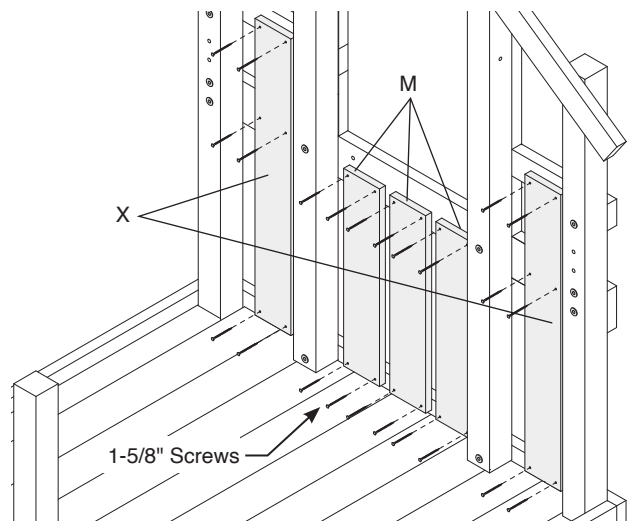
Fasten the Side Fillers (U) to the Side Supports using four #8 x 2-1/2" Screws each as shown.



STEP 5 — Install Wall Slats

Locate the two Long Slats (X). Center each Slat between a Corner Post and Side Support. Fasten using six #10 x 1-5/8" Screws each.

Fasten three Short Wall Slats (M) spaced evenly between the Side Supports using four #10 x 1-5/8" Screws each.

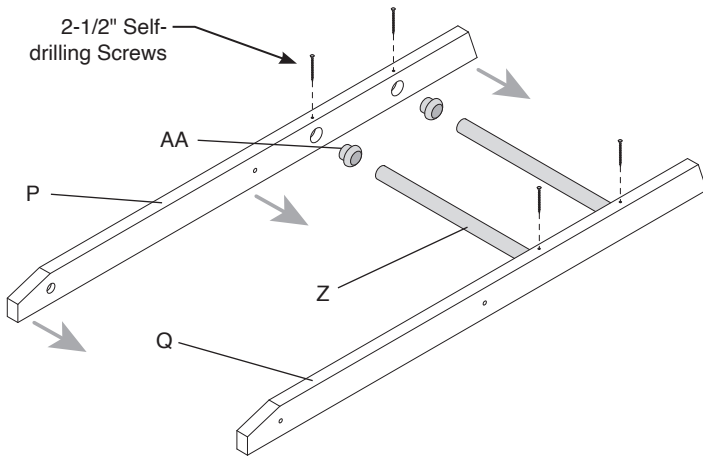


ASSEMBLY INSTRUCTIONS

STEP 6 — Assemble Ladder

Fit a Rung Collar (AA) onto each end of both Steel Rungs (Z). Fit the Rung assemblies into the holes in the Left Ladder Rail (P) and the Right Ladder Rail (Q). Set the assembly flat on a solid surface. Make sure that the rungs are completely inserted with the ends of the rungs snug against the bottom of the holes.

Use #10 x 2-1/2" Self-Drilling Screws, through the holes provided, to fasten the rungs in place. (The Self-Drilling Screws have a drill-bit tip. Point the screw toward the center of rung diameter and press firmly. Do not sink the head of the screw beyond flush with the surface of the wood.)

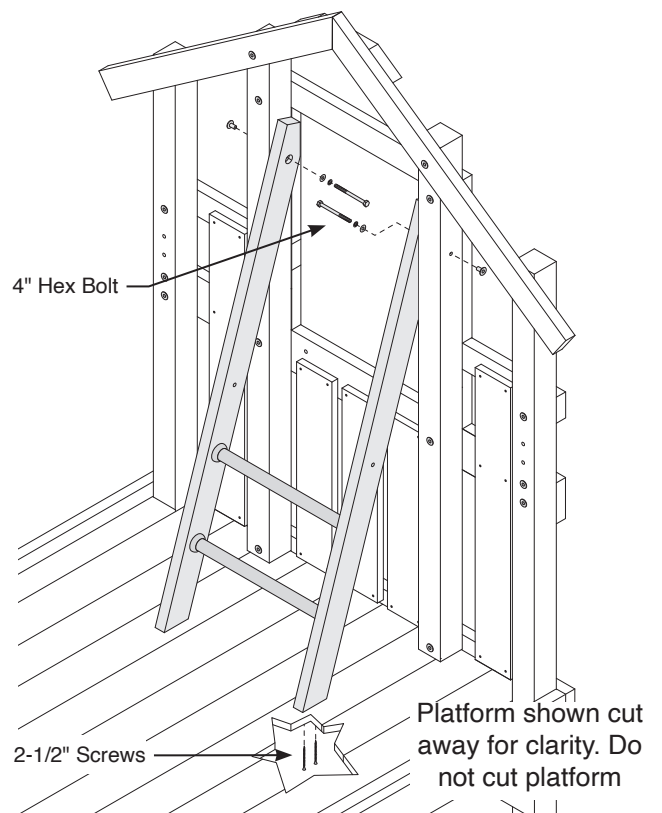


STEP 7 — Install Ladder

Fasten the Ladder to the Side Supports using two 5/16 x 4" Hex Bolt Assemblies.

Mark the position of the Ladder Rails on the platform boards. Swing the ladder up and drill two 3/16" pilot holes through the platform boards at the site of each Ladder Rail footprint.

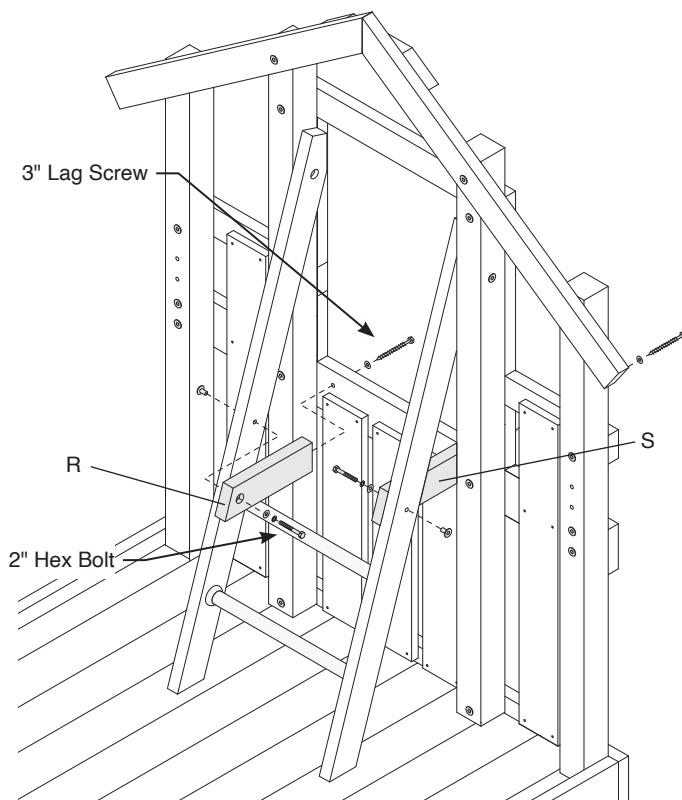
Set the Ladder back in place. Fasten the Ladder to the Platform using two #8 x 2-1/2" Screws for each Ladder Rail inserted from below the platform.



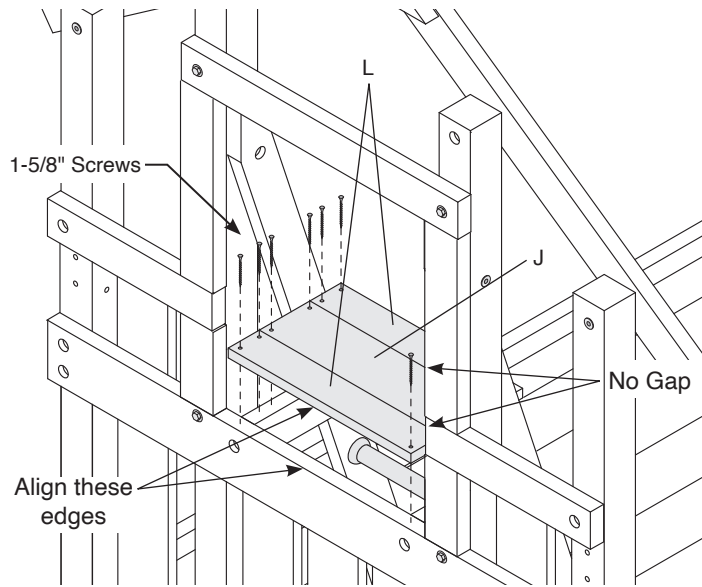
STEP 8 — Platform Sides

Fasten the Left Platform Side (R) to the Wall Support using a 5/16 x 3" Lag Screw and Flat Washer as shown. Fasten the Left Platform Side (R) to the Left Ladder Rail using one 5/16 x 2" Hex Bolt Assembly.

Repeat with the Right Platform Side (S).



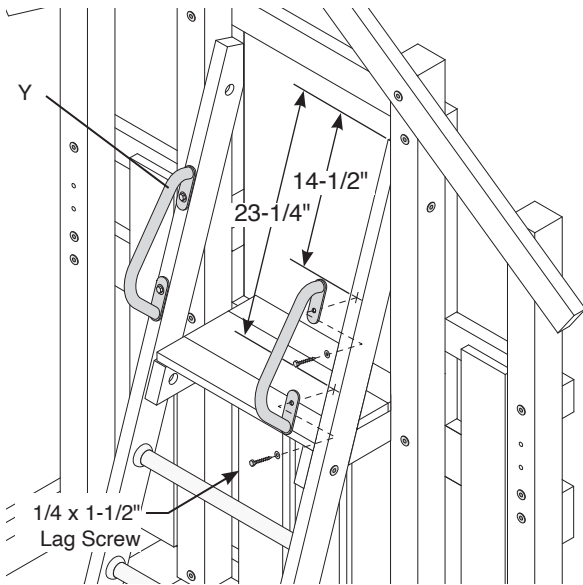
ASSEMBLY INSTRUCTIONS



STEP 9 – Platform Boards

Fasten one Platform Board (L) to the Wall Support and Platform Sides using four #10 x 1-5/8" Screws. Align the edge of the Platform Board to the outer edge of the Wall Support.

Fasten the Deck Slat (J) and the remaining Platform Board to the Platform Sides using #10 x 1-5/8" Screws each. The Boards should be tight against each other.



STEP 10 – Hand Grips

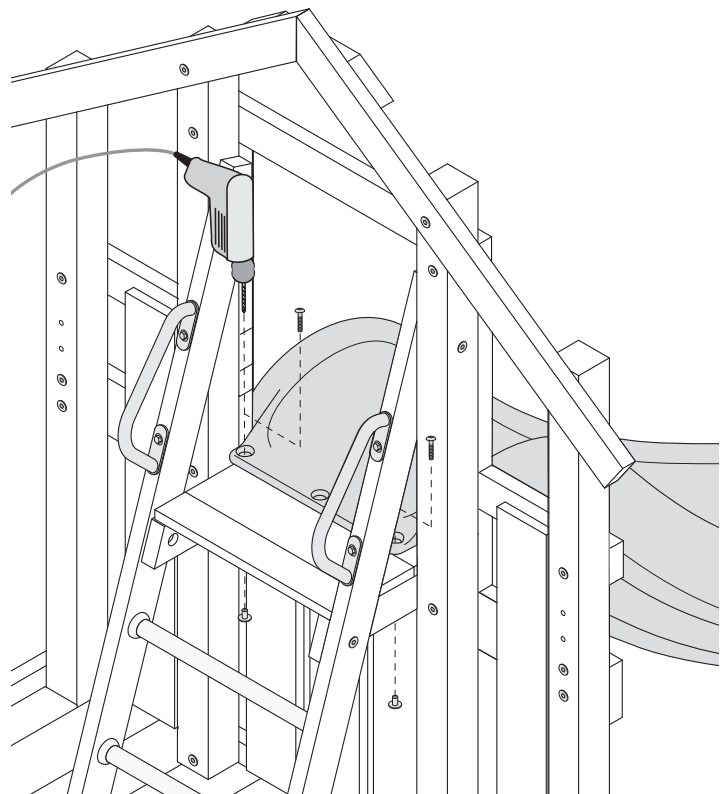
Drill two 3/16" diameter pilot holes 1-1/2" deep into each Ladder Rail as shown. One hole at 14-1/2" from the top of each Rail and the other at 23-1/2" from the top of each Rail.

Fasten the two Hand Grips (Y) to the Side Rails using two 1/4 x 1-1/2" Lag Screws and two 1/4" Flat Washers each. Use C-wrench or 7/16" ratcheting box wrench; a drill-driver is likely to scar the painted surface of the Hand Grip.

Swoosh Slide Assembly

Lift the top of the Swoosh Slide and place it on the Platform. Swing the base of the slide so that the slide is square with the Gym. A plastic slide mount is not necessary for installation. Pull the slide tight against the Ladder Platform.

Drill 5/16" diameter holes in the center of the two outside indents at the top of the slide. Before drilling make sure that the holes will not encounter obstructions on the Ladder Platform. Fasten the Swoosh Slide using two 1/4 x 1" Truss Head Bolts from the top and two 1/4" Weld Nuts from below.



Spiral Slide Assembly

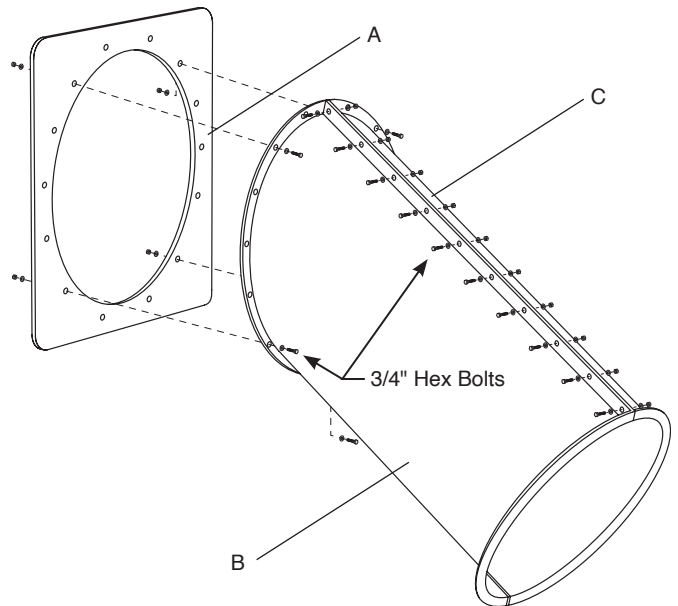
STEP 1 — Slide Entrance Assembly

It is important that the coated Lag Screws provided in the Adapter Box be used instead of the Lag Screws provided in the Spiral Slide box.

Locate one Mounting Plate (A), one Left Entrance (B) and Right Entrance (C). Assemble the Left Entrance Section to the Right Entrance Section using fourteen 5/16 x 3/4" Hex Bolts, twenty-eight 5/16" Flat Washers and fourteen 5/16" Lock Nuts.

Attach the Entrance assembly to the Mounting Plate at the four corners using four 5/16 x 1" Hex Bolts, eight 5/16" Flat Washers and four 5/16" Lock Nuts as shown in the illustration on the right. Make sure that the Lock Nuts are installed to the outside away from the Gym.

NOTE: The Mounting Plate is stamped "TOP". Make sure that it is positioned properly and that all of the holes around the Mounting Plate line up before tightening.



STEP 2 — Install Slide Entrance Assembly

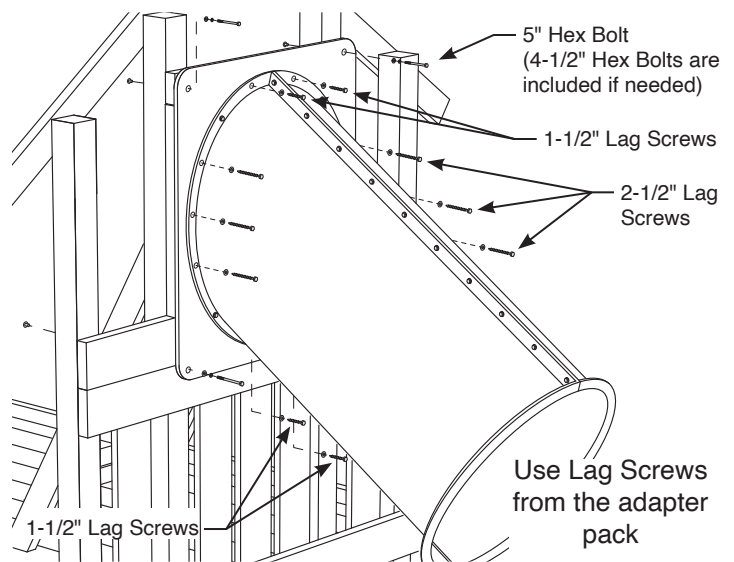
Note: This step requires two people.

Using the hardware (four 5/16 x 5" Hex Bolt Assemblies) from earlier attach the Slide Entrance Assembly to the Adapter through the four holes at the corners of the Mounting Plate.

Drill 3/16" diameter holes before inserting Lag Screws to prevent the wood from splitting.

Attach the Slide Entrance Assembly through the top and bottom two holes using four 5/16 x 1-1/2" lag screws and four 5/16" Flat Washers.

Attach the side center three holes on both sides using six 5/16 x 2-1/2" lag screws and six 5/16" Flat Washers.



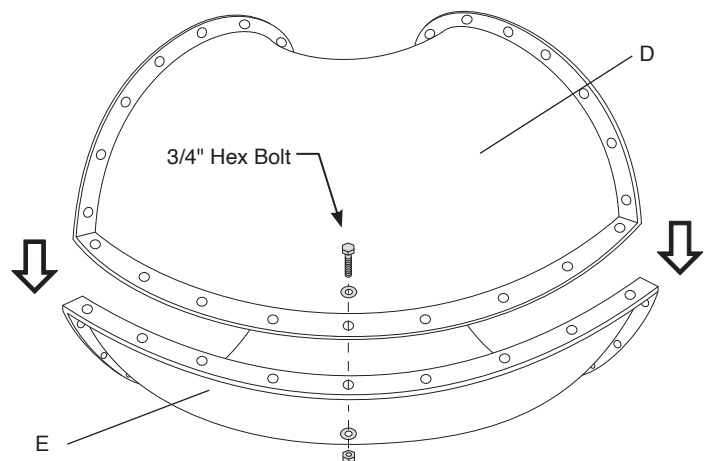
STEP 3 — Elbow Section Assembly

Locate all of the Elbow Sections.

NOTE: The difference between the top and bottom sections is the male and female flanges.

Assemble each of the Top Elbow and Bottom Elbow using thirteen 5/16 x 3/4" Hex Bolts, twenty-six 5/16" Flat Washers and thirteen 5/16" Lock Nuts as shown in the illustration.

Repeat this process to the remaining Elbow Section and Outlet Section



ASSEMBLY INSTRUCTIONS

STEP 4 — 1st Elbow Section

Position the first Elbow Section directly under the Entrance Section and rotate two holes off center clockwise.

NOTE: There are male and female flanges on all of the sections. Make sure they match properly.

Attach the two sections together using twelve 5/16 x 3/4" Hex Bolts, twenty-four 5/16" Flat Washers and twelve 5/16" Lock Nuts as shown in the illustration.

STEP 5 — 2nd Elbow Section

Repeat the procedure on Step #4 but rotate the second Elbow Section counter clockwise two bolt holes.

Attach using twelve 5/16 x 3/4" Hex Bolts, twenty-four 5/16" Flat Washers and twelve 5/16" Lock Nuts.

STEP 6 — Outlet Exit

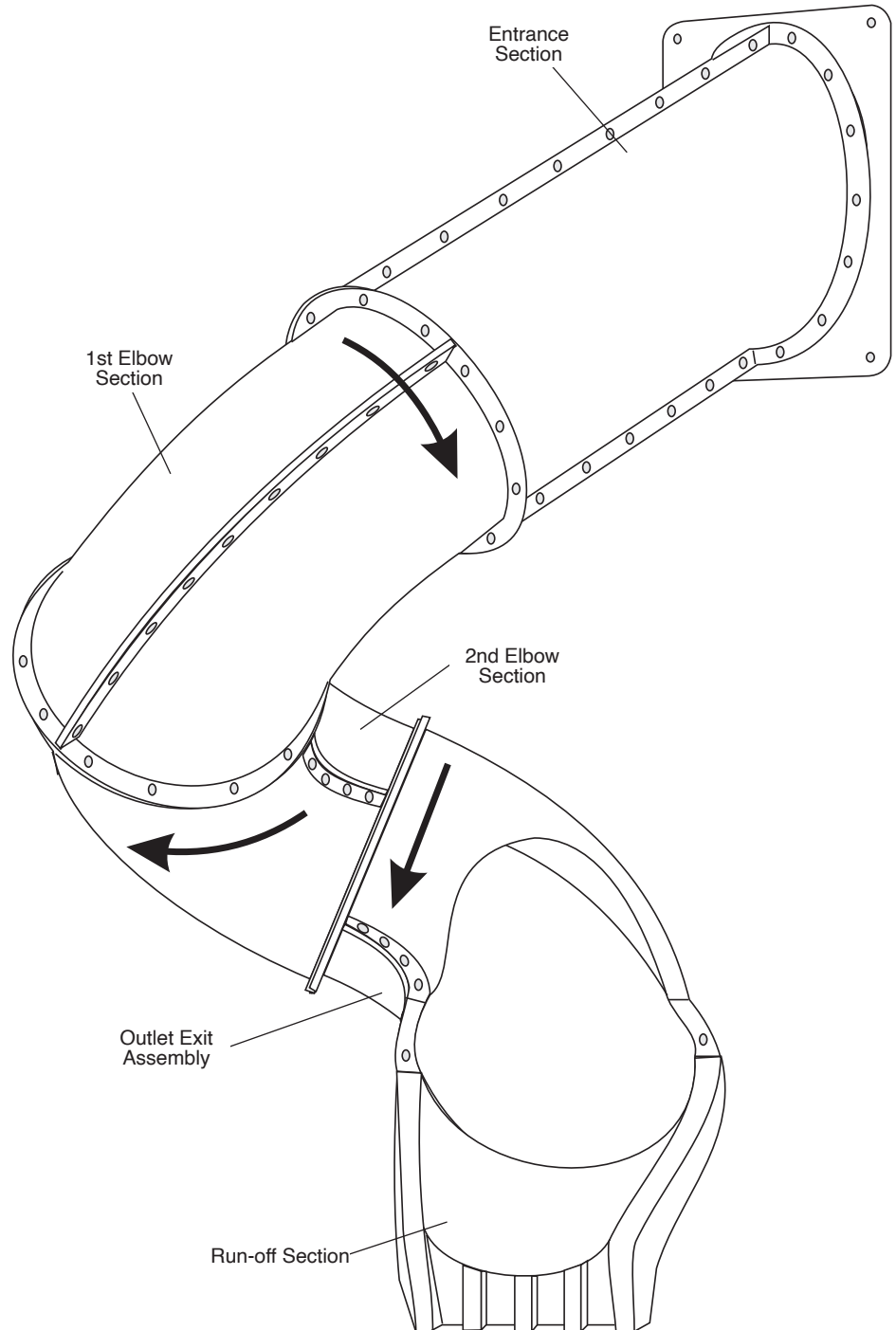
Repeat the procedure on Step #5 but rotate the Outlet Exit Section counter clockwise two bolt holes.

Attach using twelve 5/16 x 3/4" Hex Bolts, twenty-four 5/16" Flat Washers and twelve 5/16" Lock Nuts.

STEP 7 — Run-off Section

Install the Run-off Section to the Outlet Exit Section using six 5/16 x 3/4" Hex Bolts, twelve 5/16" Flat Washers and six 5/16" Lock Nuts.

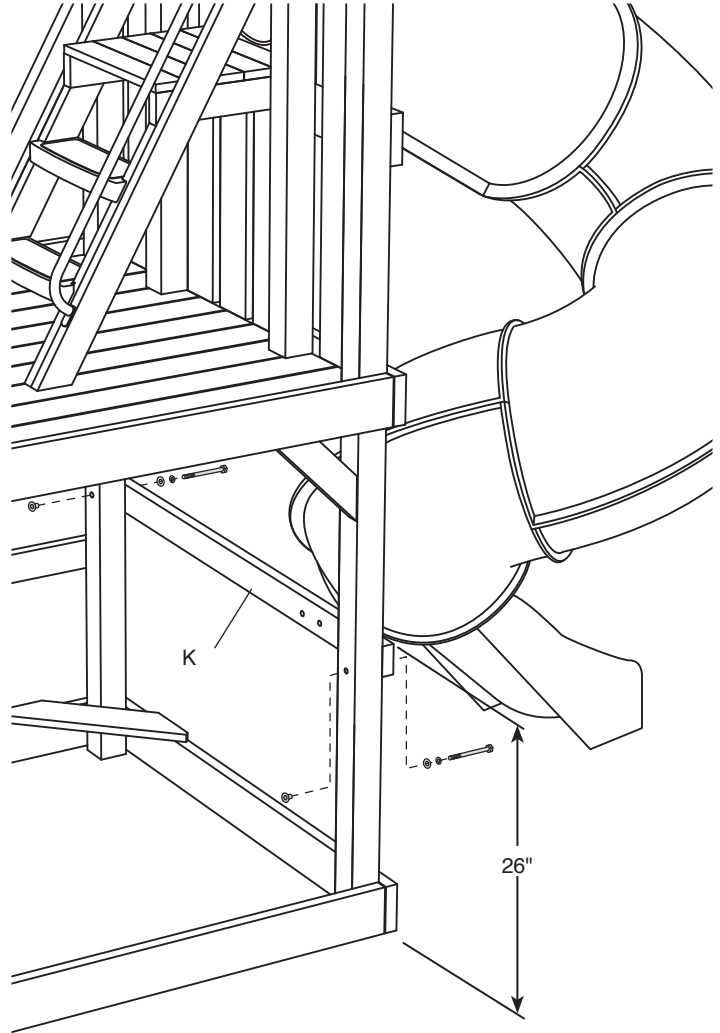
NOTE: Position the Run-off Section so that it is flat with the ground surface.



STEP 8 — Bottom Slide Support

Locate the Bottom Slide Support (K), and align with the bottom of the gym where the Direct Adapter for Spiral & Swoosh Slides is installed. Measure approximately 26" from the ground to the top edge of the Bottom Slide Support. Make sure the ends of the Bottom Slide Support are flush with the Corner Posts. Mark the position of the countersunk holes onto the two Corner Posts. Drill a 3/8" hole through each Corner Post at the marks made. Fasten the Bottom Slide Support to the Corner Posts using two 5/16 x 4" Hex Bolt Assemblies.

Note: If the Spiral Slide Direct Adapter is installed on a gym with a Clubhouse Bottom Enclosure, the Bottom Slide Support is unnecessary. The Lower Slide Support Bracket in the following step should be fastened to the 2 x 3 framing that runs below the window on the Clubhouse Window Wall Panel. The attachment should be made with two 5/16 x 2" Lag Screws and two 5/16" Flat Washers. The Lag Screws are not included.

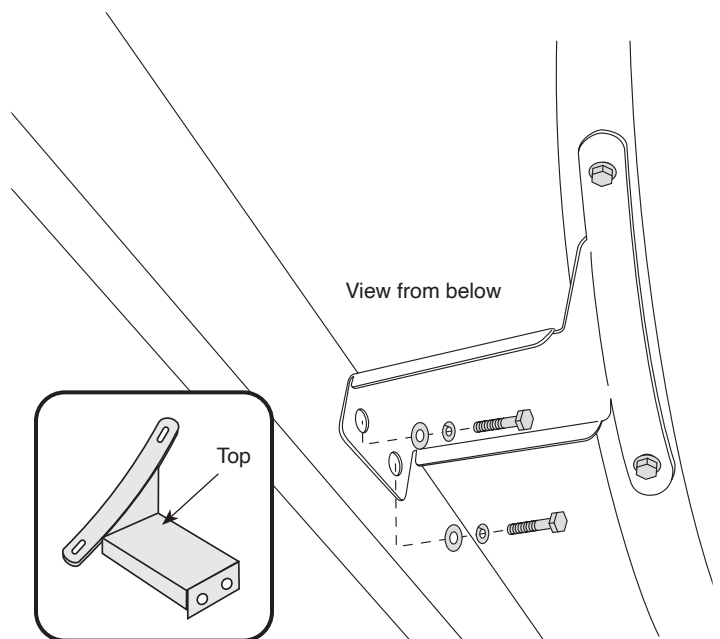


STEP 9 — Install Lower Slide Support Bracket

Locate the Lower Slide Support Bracket (H).

On the Outlet Section of the Slide, mount the Lower Slide Support Bracket at the closest distance to the holes in the Bottom Slide Support. Remove two Hex Bolt Assemblies (in this case, a Hex Bolt Assembly consists of one Hex Bolt, two Flat Washers and one Lock Nut) and install the Lower Slide Support Bracket by re-attaching the two Hex Bolt Assemblies through the holes on the Outlet Section. Secure the Bracket to the Bottom Slide Support using two 5/16 x 1-1/2" Hex Bolt Assemblies (One Hex Bolt, one Lock Washer, one Flat Washer and one Weld Nut).

Note: Make sure the orientation of the bracket is correct, the flat surface should face up. (See illustration)



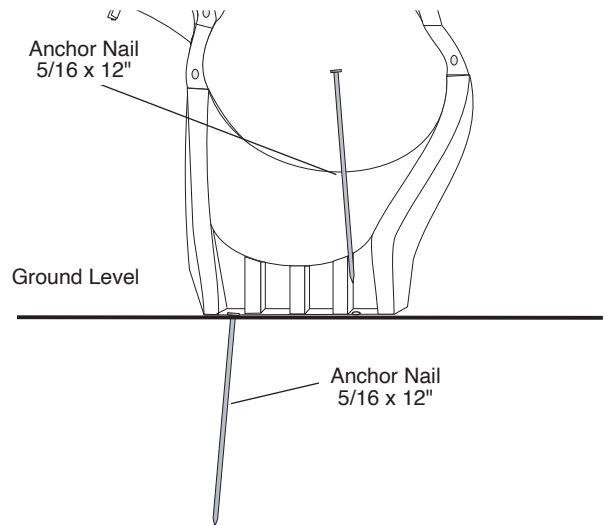
ASSEMBLY INSTRUCTIONS

STEP 10 — Anchoring Run-off Section

Drill two 5/16" holes through each side of the lower flange on the Run-off Section.

Hammer the two Anchor Nails into the ground to anchor the front of the Spiral Slide.

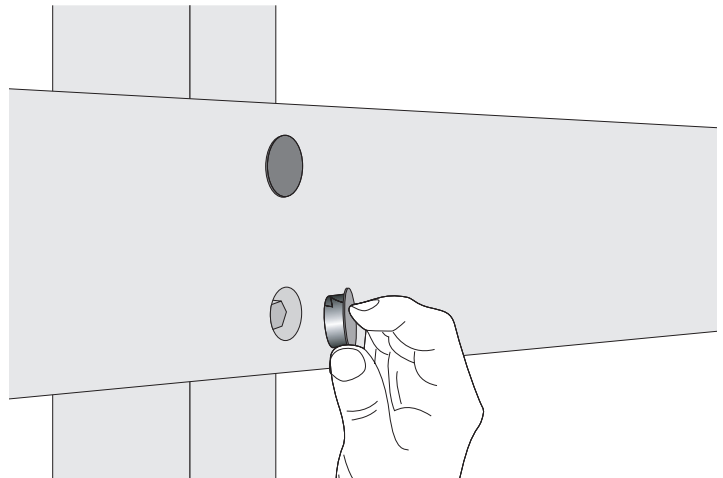
NOTE: The Anchor Nails will hold better if they are driven in at a slight angle as shown in the illustration.



STEP 11 — Hole Caps:

Make a final check and make sure that all the bolts and screws have been tightened.

Locate the 1" Hole Caps in the hardware bag. Install Hole Caps into all the counter-bored holes to cover and protect the hardware.



Special Instructions for 9ft Swing Beam Brace

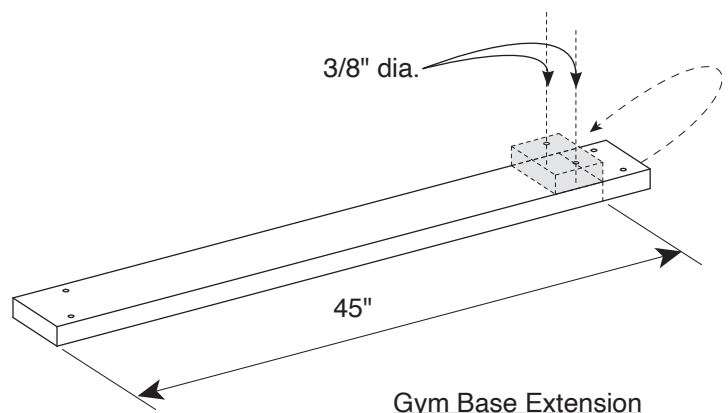
DO NOT mount a 9 Foot Swing Beam to the same end of the Gym as a Spiral Slide Direct Connect.

Mounting a 9 ft. Swing Beam to the same end of the gym as the Swoosh Slide Direct Connect requires two parts of the 9 Foot Beam Assembly to be altered as shown in the following steps.

STEP 1 — Cut & Drill the Gym Base Extension

Use a saw to cut the Gym Base Extension to 45". Be careful to cut off the end with holes that are square to each other. Place the off-cut piece even with the cut end of the board and mark the hole positions on the Gym Base Extension. See the illustration at right.

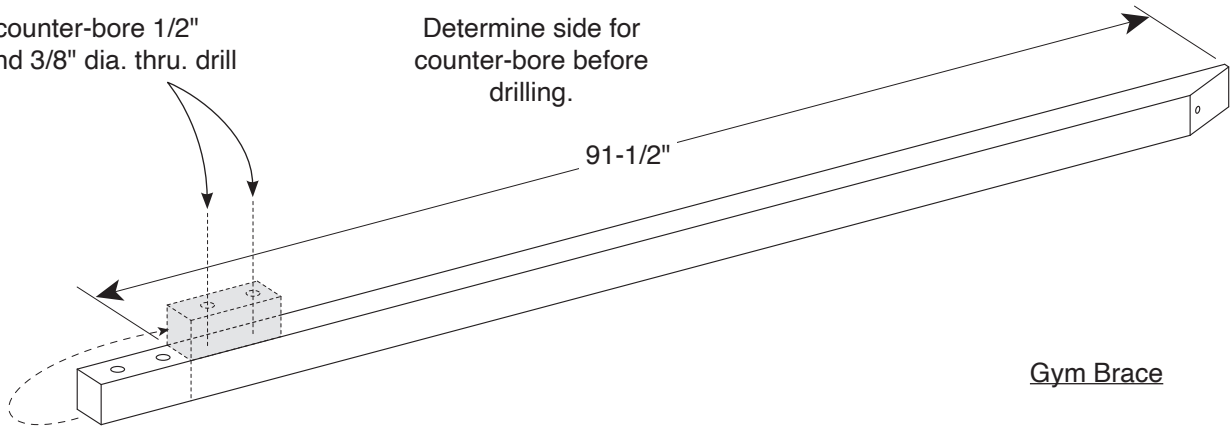
Drill 3/8" diameter holes through the board at the marks.



ASSEMBLY INSTRUCTIONS

1" dia. counter-bore 1/2"
deep and 3/8" dia. thru. drill

Determine side for
counter-bore before
drilling.



STEP 2 — Cut and Drill the Gym Brace

Use a saw to cut the Gym Brace to 91-1/2". Be careful to cut off the square-cut end. Place the off-cut piece even with the cut end of the board and mark the hole positions on the Gym Brace. See the illustration above.

Hold the Gym Brace in place to determine the side where a counter-bore is needed. On the side requiring a counter-bore, drill 1" diameter holes 1/2" deep at the marks. At the center of the 1" holes, drill 3/8" diameter holes completely through board.

STEP 3 — Finish Beam Assembly

Use the instructions included with the Swing Beam to complete the installation using the altered parts

