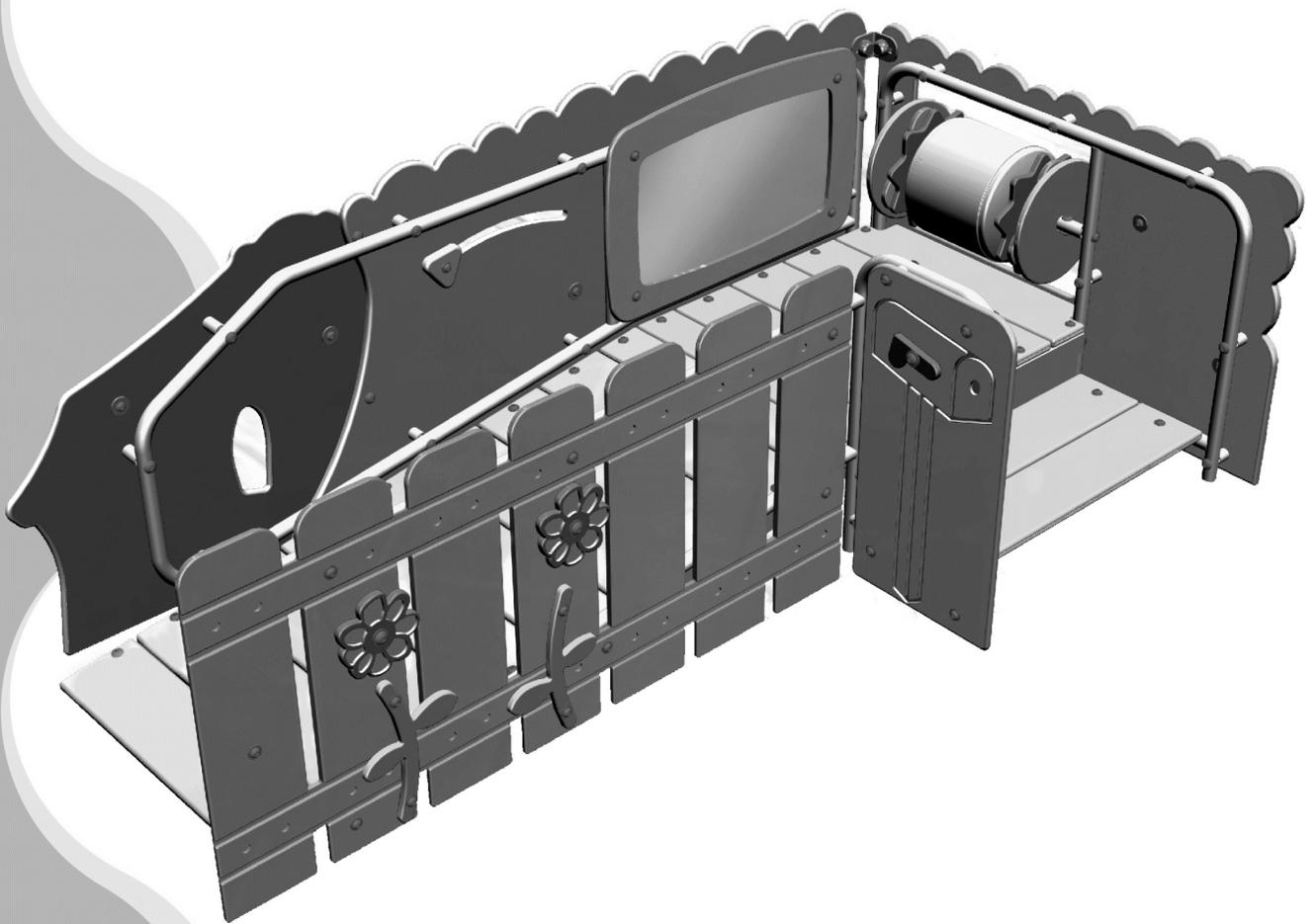


ultraPLAY
A PLAYCORE Company

Developmentally
Appropriate
Indoor & Outdoor
Play for Children
under Two Years Old

 **early
play™**



The Big Outdoors

MODEL# UP146

Assembly Instructions



Dear UltraPlay® Customer,

Thank you for choosing to purchase and install an Early Play™ commercial play system by UltraPlay, a PlayCore® Company. We appreciate the confidence you have placed in our company, and we will strive to earn your trust.

This is your Early Play Owner's Manual & Assembly Instructions booklet. We have designed this manual specifically for the products that you have purchased. Included in this manual you will find the following:

- Suggested Maintenance Schedule & Record
- Safety guidelines
- Warranty information
- Product installation instructions
- 2-D top view drawings
- Ground Plan

Please save your Owner's Manual & Assembly Instruction booklet for future reference.

The first several pages of this booklet contain important and valuable information regarding the general placement, installation and safety practices common to commercial play equipment. Please read this information carefully and use your best judgement as to how these guidelines apply to your specific situation.

If you have any questions concerning your new equipment, you can contact an Early Play™ Customer Service Representative at 1-800-458-5872.

To register your equipment and activate your warranty, please go to www.ultraplay.com/product-registration within 30 days of delivery. This will allow UltraPlay to have a record of your purchase in case of warranty claims.

For more information on Early Play and UltraPlay products, please do not hesitate to give us a call or visit us at: www.ultraplay.com.

Thank you for your business; we look forward to working with you on all of your future playground equipment projects!

Sincerely,

Early Play by UltraPlay
A PlayCore® Company

800.458.5872 • www.ultraplay.com



GENERAL COMMERCIAL PLAYGROUND SAFETY GUIDELINES

IMPORTANT: This structure is designed to comply with the ASTM F1487 standard for users 6 months through 23 months of age.

Maintaining your playground equipment and its surrounding area is essential to minimizing the risk of injury to users as well as maximizing its useful lifespan. UltraPlay STRONGLY recommends that you follow these Safety Guidelines in conjunction with conducting periodic maintenance inspections using the accompanying *Playground Maintenance Checklist*.

When installing your playground, always consider local conditions. Good common sense works hand-in-hand with the instructions.

LOCATING YOUR PLAY STRUCTURE:

Comply with the following when choosing the location for your new equipment:

Equipment shall be positioned to eliminate conflicting traffic patterns. As a general rule, allow at least 3' of free space around the entire structure. This minimum area should be filled with the appropriate surface material. Read further for surfacing recommendations.

Never overlap the safety zones of adjacent equipment. All separate play equipment must have its own safety zone, and these cannot overlap. So, if you have an existing structure with a slide exit oriented toward your new one, add a minimum safety zone to that of the existing slide to determine how far away you need to be. Never install playground equipment near, around, or in conjunction with swimming pools, ponds, lakes, or any other bodies of water.

CHOOSING RESILIENT SURFACE MATERIAL:

According to ASTM guidelines: "Unacceptable material for use zones of play structures with fall heights of 18 in. or less shall include all hard or abrasive materials such as asphalt, concrete, terrazzo, or other materials with similar characteristics." Other standards apply for equipment with fall heights greater than 18 in.

Acceptable surfacing should be placed in the use zones of all equipment, as specified for each type of equipment, and at depths to meet the critical fall heights as specified by the U.S. Consumer Product Safety Commission, ASTM standard F-2373 and Canadian Standard CAN/CSA-Z-614.

For more information on the proper surfacing materials, call the CPSC hotline at 1-800-638-2772.

Worn surfaces around equipment should be restored. Concrete footing should never be exposed. Refer to the attached PLAYGROUND MAINTENANCE CHECKLIST.

Check for erosion and cratering of surfaces in heavy traffic areas and restore surfacing as necessary.

Surfacing leading to play opportunities for children with disabilities should be firm, stable, slip resistant, and resilient.

OVERHEAD OBSTRUCTIONS:

Overhead obstructions (for example, exterior obstructions such as tree limbs and interior lights) within the use zones of play structures shall be a minimum of 84 inches (2130 mm) above each designated play surface outdoors and a minimum of 48 inches (1220mm) above each designated play surface indoors.

All overhead utility line clearances above outdoor supervised and outdoor unlimited access settings shall comply with all local, state, and national codes, such as the National Electrical Safety Code. For specific equipment fall zone requirements, refer to the CPSC and ASTM F1487 and use the more stringent of the two.

CATCH POINT & PROTRUDING HARDWARE:

There should be no dangerous pieces of hardware, such as protruding bolt ends or narrow gaps in metal connections. Exposed hardware can cut or puncture skin and catch clothing drawstrings, which could strangle a child.

All protruding nuts and bolts should be eliminated; sharp edges on pipes should be capped or removed. Check for bent, broken, or severely worn pipe and replace. Examine play system for foreign objects, holes, and rough edges.

TRIPPING HAZARDS:

There should be no exposed concrete footings, abrupt changes in surface elevations, tree roots, tree stumps, or rocks, which can trip children and adults. Check for trip hazards, such as the support posts, or environmental trip hazards, such as rocks or roots in the play area. Make all necessary improvements or repairs.

AFTER THE EQUIPMENT IS IN USE:

- Never add components not intended for use with this product.
- Never install other play equipment, fencing, landscaping, etc., that encroach upon the safety zones of this equipment.
- Check overall stability and rigidity of all play equipment.
- Check for proper assembly, installation and ground anchoring.
- Check and re-tighten all fasteners after the first few days of use and again after three weeks of use. Thereafter, exercise normal maintenance procedures. Use of a thread-locking compound on the threads of bolts can prevent persistent loosening.

ROUTINE MAINTENANCE:

Regularly inspect and maintain your playground equipment and its surrounding area to help ensure the safety of the user. Proper maintenance of Early Play equipment includes using the accompanying **Playground Maintenance Checklist** found in this booklet to identify areas requiring repairs or replacement, and barricading the equipment to prevent use while corrections are being made.

As the Owner/Operator of the equipment, you should establish and maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment area. Find out if your playground has a designated official who periodically inspects the play equipment for preventative maintenance. This includes but is not limited to: replacing missing, broken or worn-out components; securing hardware; checking for deterioration in the metal or plastic materials; maintaining the proper depth of surfacing material; and cleaning up debris.

The following are some regular maintenance areas of note:

- Check for and repair damage caused by wear or vandalism, a major factor in injury causing situations.
- Proper maintenance of Early Play equipment requires regular tightening of all bolts, nuts, set screws and other hardware.
- All equipment should be free of rust and repainted with an appropriate lead-free paint whenever necessary to deter rusting. This should also be done for any chipped or peeling areas.
- Regular checking of all parts, casting, etc., should be made. If part is broken or worn it should be replaced immediately.
- Check for missing or broken parts and repair as necessary.
- Check to be sure there is free movement on moving attached parts.

Continued on next page >

- Check for hard surfaces and correct. Refer to CPSC surfacing requirements.
- Check for surfacing material that is worn or scattered and restore.
- Debris, broken glass, trash, or other foreign objects within or on the play area/equipment should be removed.
- Check for poor drainage areas and repair.
- Check concrete footings to see if they are exposed, cracked, or loose in the ground and repair as necessary.
- Check crush points (exposed mechanisms, junctures of moving components) and eliminate.
- Check for broken supports or anchors. Check for stability in ground. Structures should not be easily swayed; connections should be solid and adequately secured.
- Check all posts in ground for corrosion below grade.
- When flexible components are anchored in the ground, check and make sure anchoring devices are below the level of the playground.
- Check for visible cracks, bending, warping, rusting, or breakage of any component and repair as needed.
- Check for accessible sharp edges or points. Check for protruding bars, bolts, nuts, etc. Eliminate these conditions.
- Check for exposed ends of tubing that should be covered with plugs or caps.
- Check for loose bolts, nuts, etc. and tighten.

MAINTENANCE CHECKLIST



Maintaining your playground equipment as well as its surrounding area is essential to minimizing the risk of injury to users as well as maximizing its useful lifespan. UltraPlay recommends the following maintenance procedures be followed:

On a daily basis: A responsible individual should conduct a brief visual check for structural defects, signs of vandalism and litter of foreign matter that needs to be removed.

On a weekly basis: A responsible individual should complete this checklist. Any required repairs should be detailed on the separate **Detailed Maintenance Record**, and once they are completed, both should be filed for future reference. A separate file and form should be kept for each play structure at each location.

IMPORTANT: Always refer to - and comply with - the separate Safety Guidelines and ASTM and CPSC Guidelines. The play structure(s) should be barricaded so that it cannot be used while repairs are being completed.

	Item to be Checked (use the following page to record a brief description of the necessary repairs)	OK	Repairs Required	Date Repaired
A.	Play Structures in General			
	1. Post and component footings are not exposed, cracked or loose			
	2. Welds are intact and free of cracks			
	3. No rust or corrosion			
	4. No splintered, cracked, gouged or otherwise deteriorated plastics; check for integrity of the plastic, keep plastic clean of any extraneous substances, verify that any deformation does not create entrapment as specified on ASTM-F-2373.			
	5. No scratched, chipped or peeling paint			
	6. Metal parts show no visible cracks, bending, warping or breakage			
	7. No missing bolts, nuts, etc.			
	8. All bolts, nuts and fasteners are tight			
	9. All joints are secure (pay special attention to flush-mounted decks and pipe connections)			
	10. No broken or missing parts			
	11. No sharp edges or unsafe protrusions (check metal corners, bolts, etc.)			
	12. No exposed mechanisms, junctions of moving parts or components that will pose possible pinch or crush points			
B.	Play Events			
	1. Plastic is not cut or cracked			
C.	Surrounding Area			
	1. Resilient surfacing material is not scattered or excessively worn			
	2. Resilient surfacing material is adequately deep and retains its fall absorbing abilities as specified at time of installation			
	3. Border around playground is in good condition and has not come loose			
	4. No roots, rocks or other objects that may cause a tripping or injury hazard			
	5. Area is clean of litter (no broken glass or bottles, etc.)			

ultraPLAY

A PLAYCORE Company

Limited Warranties

15

Years

Steel Decks and
Metal Parts:

Materials &
Workmanship

10

Years

HDPE Panels:

Materials &
Workmanship

1

Year

Products including
moving parts and
ComfyTuff™ Coated
Foam Platforms:

Materials &
Workmanship

All warranties specifically exclude damage caused by man-made or natural disasters, vandalism, negligence, improper installation or improper use, modification, changes in appearance resulting from weathering, scratches, dents, discoloration, normal wear and tear, or marring as a result of public or private use.

Claims are limited to replacement of equipment only and do not include any costs associated with labor, removal or installation of the original or replacement product.

Warranties are valid only if products are installed and maintained in accordance with UltraPlay installation instructions and use of approved parts.

To register your equipment and activate your warranty, please go to [www.ultraplay.com/product registration](http://www.ultraplay.com/product-registration) within 30 days of delivery. This will allow UltraPlay to have a record of your purchase in case of warranty claims.





Warranty

UltraPlay warrants its products to be free from defects in materials and/or workmanship, subject to normal usage and installation, for a period of 1-year from the date of shipment to the original purchaser. In the event of a claim under this warranty, UltraPlay will replace the component at no cost within the first 12 months from date of shipment to the original customer. Equipment not specifically addressed in the following paragraphs is also subject to this limited 1 year warranty against defects in materials and/or workmanship.

FIFTEEN-YEAR LIMITED WARRANTY ON METAL PARTS

UltraPlay provides a limited warranty on metal decks, steps, stairs, rails, pipes, support posts, rungs, loops, to be free from defects in materials or workmanship against structural failure which causes the product to become unfit for its intended use, subject to normal usage and installation, for a period of 15 years from the date of shipment to the original customer.

TEN-YEAR LIMITED WARRANTY ON UPRIGHT POSTS

UltraPlay provides a limited warranty on Early Play metal posts and HDPE Panels to be free from defects in materials or workmanship against structural failure which causes the product to become unfit for its intended use, subject to normal usage and installation, for a period of 10 years from the date of shipment to the original customer.

FIVE-YEAR LIMITED WARRANTY ON GROUND-MOUNT METAL PARTS

UltraPlay provides a limited warranty on metal footers, inground footers, surface mount plates, ground spikes, mounting posts and plates to be free from defects in materials or workmanship against structural failure which causes the product to become unfit for its intended use, subject to normal usage and installation, for a period of 5 years from the date of shipment to the original customer.

ONE-YEAR LIMITED WARRANTY ON HARDWARE

UltraPlay provides a limited warranty on hardware, Moving Parts and ComfyTuff™ Coated Foam Platforms to be free from defects in materials or workmanship against structural failure due to breaking or shearing, subject to normal use and installation, for a period of 1 year from the date of shipment to the original customer.



WARRANTY EXCLUSIONS

All warranties specifically exclude damage caused by man-made or natural disasters, vandalism, negligence, improper installation or improper use, modification, changes in appearance resulting from weathering, scratches, dents, discoloration, normal wear and tear, or marring as a result of public or private use.

Claims are limited to replacement of equipment only and do not include any costs associated with labor, removal or installation of the original or replacement product.

Warranties are valid only if products are installed and maintained in accordance with UltraPlay installation instructions and use of approved parts.

This warranty is applicable to the original owner only. Warranties are non-transferable.

Claim Procedure: To make a warranty claim, send your written statement of claim, photographs of defective equipment, and the original purchase invoice or invoice number to:

Early Play by UltraPlay
Customer Service
1675 Locust Street
Red Bud, IL 62278

Or Contact a Customer Service Representative at:
1-800-458-5872

Within 60 days of notice of claim under warranty, UltraPlay will make arrangements to replace the damaged product. UltraPlay will cover freight costs within the continental United States. UltraPlay is not responsible for freight costs associated with products located outside the continental United States. UltraPlay reserves the right to inspect all products identified as defective. Photos of defective equipment may be required to accompany warranty claims.

Since warranty limitations and exclusions may vary from state to state, you should check any specific warranty rights in your state.

Date of Purchase: _____

Purchaser: _____

UltraPlay Invoice Number: _____

Authorized UltraPlay Signature

Title



visit UltraPlay on the web at ultraplay.com



GENERAL INTRODUCTION TO INSTALLATION INSTRUCTIONS

IMPORTANT! Please read the entire Installation Instructions packet before beginning the installation.

UltraPlay has designed Early Play to take advantage of all Consumer Product Safety Commission (CPSC) and ASTM guidelines in force at the time of purchase in an effort to help prevent playground accidents. However, because studies have shown most playground injuries result from accidental falls, you, as the new owner of this equipment are responsible for providing an acceptable play surface under and around all playground equipment. Please refer to the accompanying Safety Guidelines as well as CPSC guidelines and this document for examples of such surfacing.

We would like to provide the following suggested guidelines for your play environment:

- Refer to the Use Zone and note the Minimum Area Required shown for this structure. This area must be filled with acceptable play surface material, and must be clear of all obstacles, including but not limited to trees, curbing, sidewalk, fence, other play equipment, rocks and landscaping, etc.
- According to ASTM guidelines: “Unacceptable materials for use zones of play structures with fall heights of 18 in. or less shall include all hard or abrasive materials such as asphalt, concrete, terrazzo, or other materials with similar characteristics.” Other standards apply for equipment with fall heights greater than 18 in.
- Acceptable play surfaces include: sand, mulch, fine gravel, or shredded beltless tires, if installed at the appropriate depths per CPSC guidelines for play surfacing.
- Close supervision of children playing on or around the structure is strongly recommended, along with classroom and/or home instructions on safe behavior on the playground equipment. The full supervision of playgrounds is the responsibility of the owner once the play structure has been properly installed.

TOOLS REQUIRED:

UltraPlay supplies only the special wrench and bits required to fasten the “tamper-resistant” hardware. You will need common wrenches as well as a drill, phillips head screw driver, utility knife, rubber mallet, and a tape measure.

INSTALLATION GUIDELINES:

1. Compare all parts received to the packing list. Notify UltraPlay immediately of any missing parts. We are not responsible for parts discovered missing over 10 days after receipt of the shipment.
2. Refer to your Use Zone to ensure this structure will fit into your actual site area. Note the Minimum Area Required measurements to determine clear space required. A minimum of 3' clearance is required between any obstacles and your structure.
3. Site selection should include considerations of what is a safer and appropriate play area:
 - A level and clear site is ideal, free of power lines or electrical equipment.
 - Do not install play equipment near any bodies of water.
 - If adjacent to a street with traffic, ensure adequate fencing acts as a barrier to children running into danger.
4. Site layout should include accurate measurement and marking of all footings prior to any installation. Use the dimensions shown between footings on the Use Zone to plot out the actual footprint of the play structure before doing any digging. Also locate any freestanding play equipment in the same way, providing the necessary clearance between the equipment as well as any fences, trees, etc. Ensure at this time you have enough total space for the equipment to be installed.



Finally, if you should have any questions regarding the proper installation of this equipment, please contact UltraPlay at:

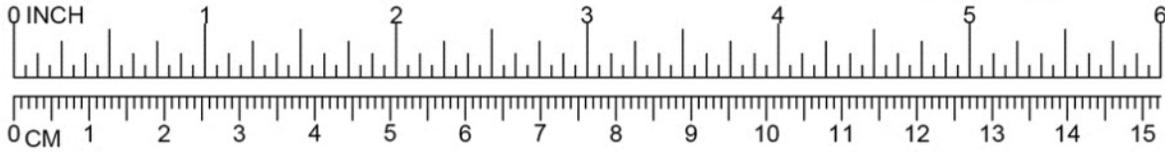
UltraPlay
Early Play Customer Service
1675 Locust Street, Red Bud, IL 62278
1-800-458-5872 Fax 1-618-282-8202
E-mail: customerservice@uplaytoday.com

WARNING LABEL APPLICATION INSTRUCTIONS

The enclosed Warning Label must be affixed to your playground equipment.

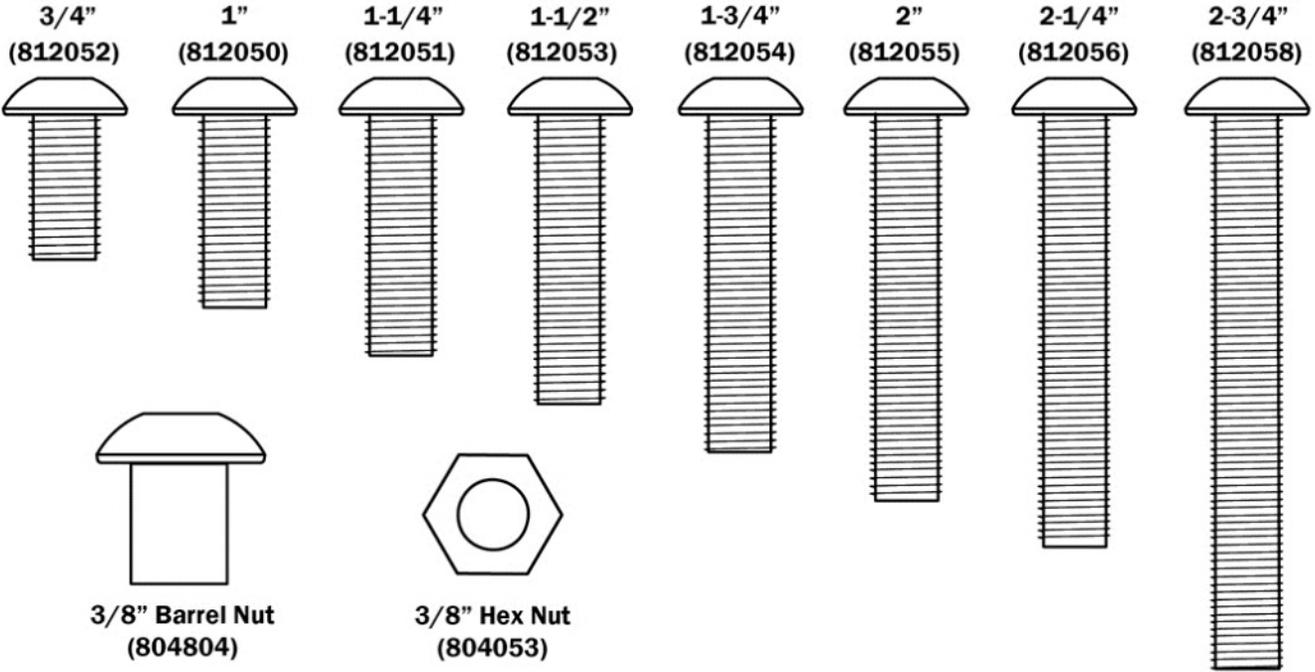
INSTRUCTIONS:

1. Fully assemble and install your Early Play playground equipment per the accompanying installation instructions.
2. When installation of the equipment is complete, and prior to allowing use of the equipment, refer to the installation instructions to install the Warning Label on the structure.
3. Fully clean the mounting plate surface to receive the label with soap and water, and ensure that no oils, film, or dirt remain.
4. Allow surface to dry fully. Apply the Warning Label, smoothing over the surface with a clean cloth so there are no air bubbles present.



3/8" B.H.C.S. Bolts (Hardware is Actual Size)

Hardware*



3/4"
(812052)

1"
(812050)

1-1/4"
(812051)

1-1/2"
(812053)

1-3/4"
(812054)

2"
(812055)

2-1/4"
(812056)

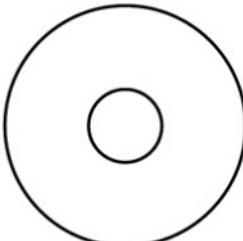
2-3/4"
(812058)



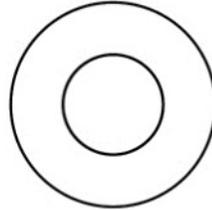
3/8" Barrel Nut
(804804)



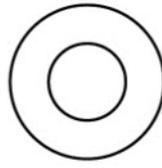
3/8" Hex Nut
(804053)



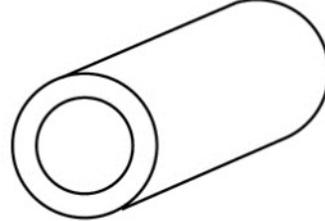
3/8" Flat Washer (1-1/4" O.D.)
(817424)



1/2" Flat Washer
(817412)



3/8" Flat Washer
(817410)



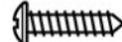
Bronze Bushing (1" Long)
(818317)



Plastic Cap
(304074)



Plastic Washer
(304073)

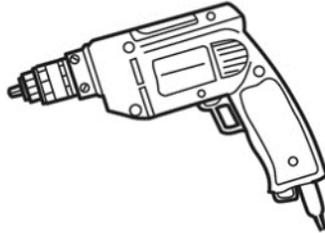


#4 x 1/2" Long Pan Head Screw
(809400)

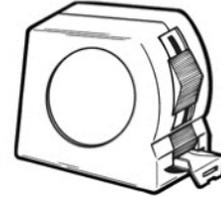
*Note: Your play system may not require all hardware listed.



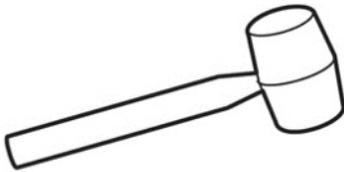
Utility Knife



Drill



Tape Measure



Rubber Mallet

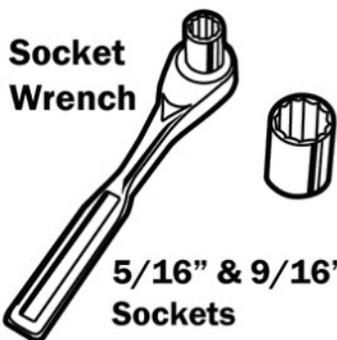
**TOOLS
REQUIRED**



**Phillips Head
Screw Driver**



Wrench 9/16"



**Socket
Wrench
5/16" & 9/16"
Sockets**



**#45 Torx Head
Wrenches & Bits
(included)**



UP146 BIG OUTDOORS

Parts List		
DESCRIPTION	QTY	PART NUMBER
LEFT RAMP SUPPORT	1	403116
RIGHT RAMP SUPPORT	1	403120
KICK PLATE	1	403144
NOTCHED SLAT	1	403159
RAMP SLAT	10	403160
SMALL SLAT	2	403161
END SLAT	1	403162
RABBIT WALL	1	403139
TREE WALL	1	403128
SMALL FENCE WALL	1	403132
LONG FENCE WALL	1	403123
STEP SUPPORT	1	403154
STEP SLAT	2	403158
DRUM PIPE	1	403136
ROUND WHEEL	2	403075**
WARNING LABEL PLATE	1	403215
WHEEL SPACER	6	403074**
TRI-WHEEL	2	403076**
STAR WHEEL	2	403077**
SHAPE DRUM	1	403148
BACK MIRROR PANEL	1	403195**
SQUARE MIRROR	1	307729
MIRROR FRAME	1	403078**
LEAF	2	403068**
FENCE PANEL	1	403083**
FLOWER	2	403069**
MAILBOX PANEL	1	403080**
MAILBOX FLAG	1	403079**
TREE PANEL	1	403084**
APPLE	2	403073**
RABBIT PANEL	1	403081**
ACORN	3	403071**
TRIANGLE	2	301597
CARROT	3	403070**
90° ANGLE BRACKET	1	403189
DOG PANEL	1	403082**
BONE	2	403072**
HARDWARE COMPLETE	1	403165
1/2" FLAT WASHER	13	817412*
3/8" x 3/4" P.B.H.C.S. w/PATCH	9	812052*
3/8" x 1" P.B.H.C.S. w/PATCH	17	812050*
3/8" x 1 1/4" P.B.H.C.S. w/PATCH	25	812051*

Issued/Revised: 01/17/12





UP146 BIG OUTDOORS

Parts List		
DESCRIPTION	QTY	PART NUMBER
3/8" x 1 1/2" P.B.H.C.S. w/PATCH	7	812053*
3/8" x 1 3/4" P.B.H.C.S. w/PATCH	6	812054*
3/8" x 2" P.B.H.C.S. w/PATCH	8	812055*
3/8" x 2 1/4" P.B.H.C.S. w/PATCH	28	812056*
3/8" x 2 3/4" P.B.H.C.S. w/PATCH	3	812058*
3/8" FLAT WASHER (1 1/4" O.D.)	13	817424*
3/8" HEX NUT	32	804053*
3/8" BARREL NUT	63	804804*
3/8" FLAT WASHER	124	817410*
BRONZE BUSHING, 1" LG.	13	818317*
PLASTIC WASHER	2	304073*
PLASTIC CAP	2	304074*
PACKAGE OF BB'S	1	818326*
#4 x 1/2" PAN HEAD SCREW	4	809400*
6-23 MONTH WARNING LABEL	1	403214*
3/8" PIN-IN TORX BIT TT-45	2	812655*
3/8" PIN-IN TORX KEY-TT-45	2	812658*

Unless Otherwise Specified, All Units of Measure are Each

**Items listed below Hardware Complete line are included with Hardware Complete Number*

***Items included in Big Outdoors HDPE Package (403085)*

Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location. Any bolt end protruding more than two full threads beyond the face of the nut causes risk of clothing entanglement. Promptly cut-off flush, file smooth, and treat to prevent corrosion.

NOTE: UP146 used with UP147 In-Ground Package or UP148 Surface Mount Package. (Both Sold Separately)

SPECIFICATIONS:

HDPE Panels:

Panels shall be precision cut from a single solid sheet of .50" thick UV-stabilized extruded high-density polyethylene with colors molded in. The material will have a density of 60 lbs/ft³ and a tensile strength of 4400 PSI (30 Mpa) as determined per procedure C of ASTM D1928. All edges shall have radiuses and all corners rounded for safe play.

Slats:

Shall be precision cut from a single solid sheet of .750" thick UV-stabilized extruded high-density polyethylene with colors molded in. The material will have a density of 60 lbs/ft³.

Ramp Support:

Shall be made from 1/8"x 1 1/2" x 1 1/2" black steel angle and shall be coated after fabrication with a custom formula of TGIC polyester powder coating.

Frame Support:

Shall be 1-1/16" O.D. x 15 gauge (.075" thick) galvanized steel tubing and shall be coated after fabrication with a custom formula of TGIC polyester powder coating.

Mirror:

Shall be made of 20 Ga. stainless steel.



UP146 BIG OUTDOORS

SPECIFICATIONS CONT'D:

Shape Drum:

Shall be thick color impregnated linear low density polyethylene and shall conform to the rotationally molded specifications outlined herein, with double wall construction molded to a minimum 3/16" wall thickness. All polyethylene shall be linear low-density material with UV-stabilized color and an anti-static compound additive. All rotationally molded products shall meet or exceed the following specifications: ASTM D-1248, type 2, class A and Federal specification LP-390C, type 1, class M, grade 2, category 3; Density (ASTM D- 1505); Brittleness Temperature (ASTM D-746); Tensile Values (ASTM D-638); Flexural Modulus (ASTM D-790); Heat Distortion (ASTM-648); Low Temperature Impact (ARM-STD).

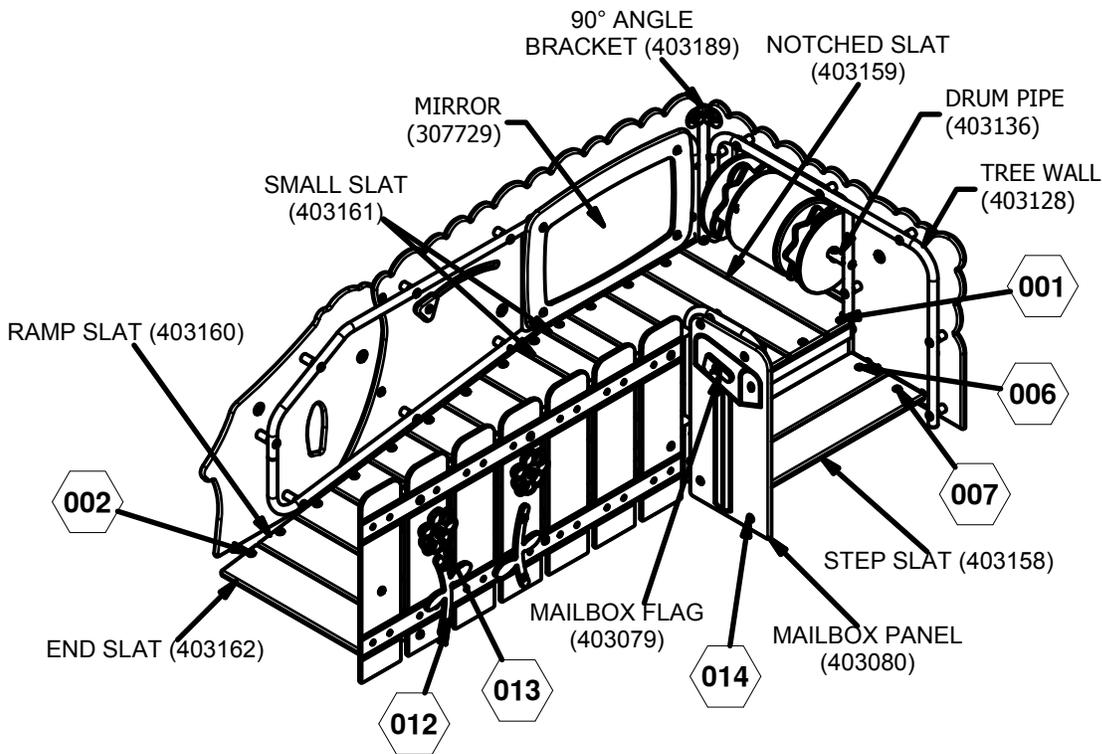
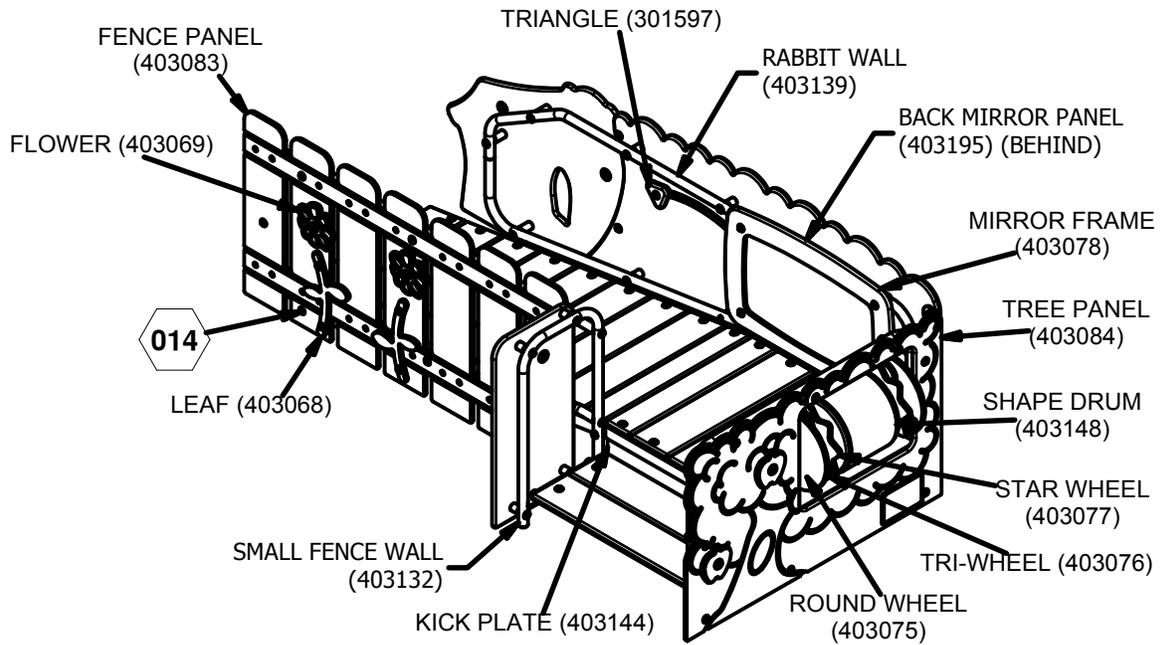
90° Angle Bracket:

Shall be 3/16" x 2" Hot Rolled Steel. 90 Degree Angle Bracket will have baked on polyester powder-coated finish after fabrication.

Hardware:

All nuts, bolts, screws, inserts, and lockwashers used in the assembly of all play equipment shall be stainless steel, yellow dichromate plated steel, blue-coat plated steel, mechanically galvanized or powder coated/yellow dichromate plated steel. All primary fasteners shall be 304 alloy stainless steel. Fasteners with yellow dichromate treatment have an electro-deposited, 99.9% pure zinc substrate applied from a specially formulated solution sealed with a yellow dichromate top coat designed to work in conjunction with the zinc plating. Yellow dichromate has a 320% longer life to white corrosion and 275% longer to red corrosion than does hot-dip galvanizing. Stainless steel fasteners shall be button pin-in head, hex socket cap screws with a two-part epoxy locking patch added to the threads. The two-part locking patch shall consist of one part resin and one part catalyst which are activated during installation. After curing, the material shall require a minimum of five times the installation torque to remove the fastener. Manufacturer shall provide special installation tools for pinned fasteners.

UP146 BIG OUTDOORS

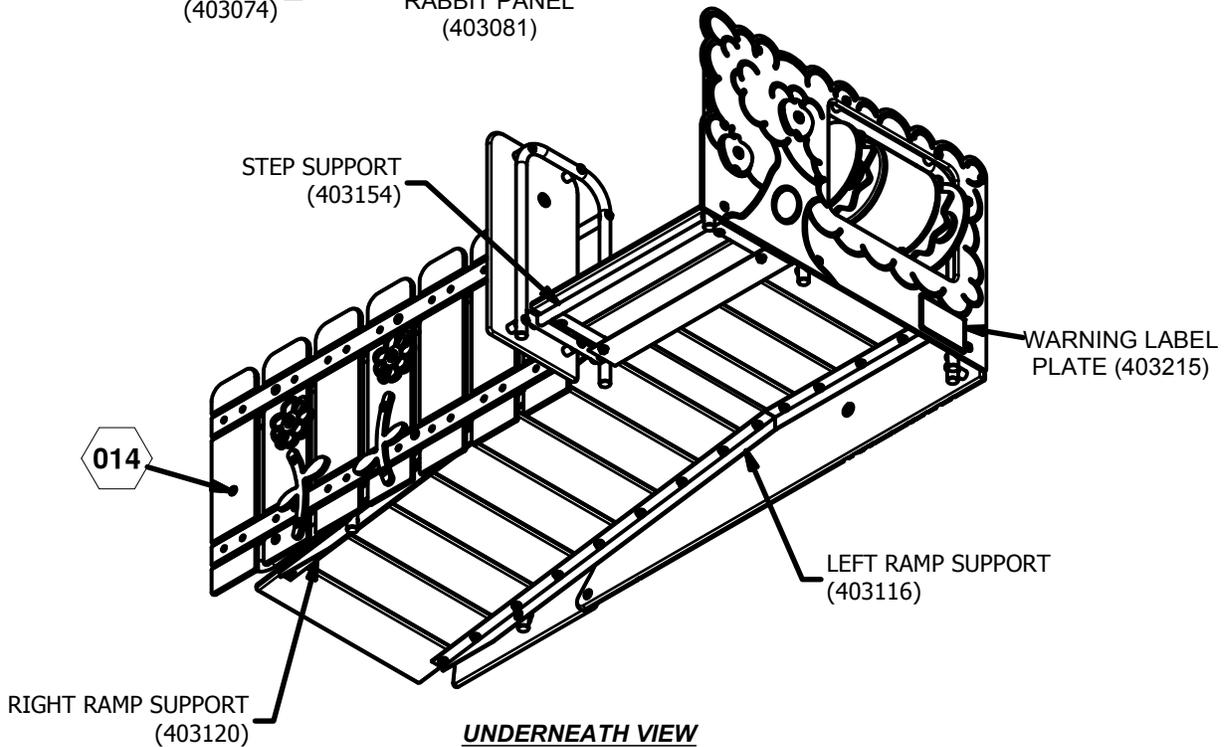
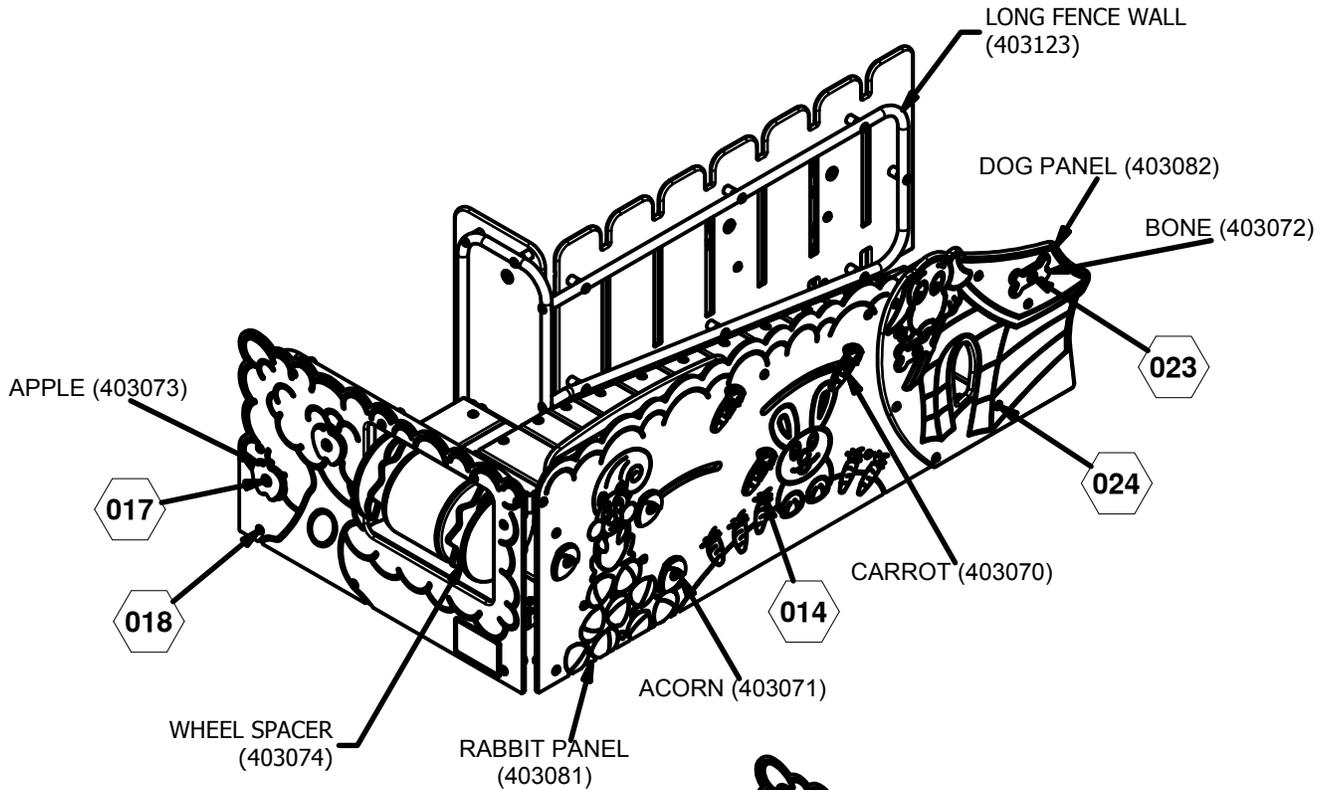


= INSTALLATION DETAIL

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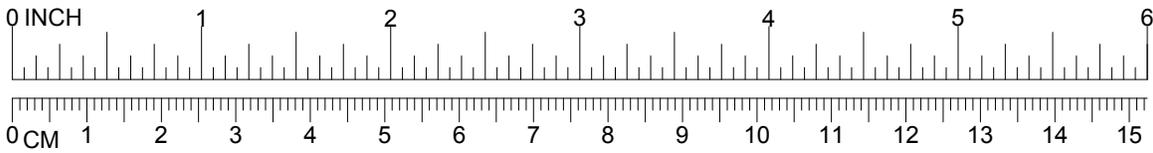
UP146 BIG OUTDOORS



UNDERNEATH VIEW

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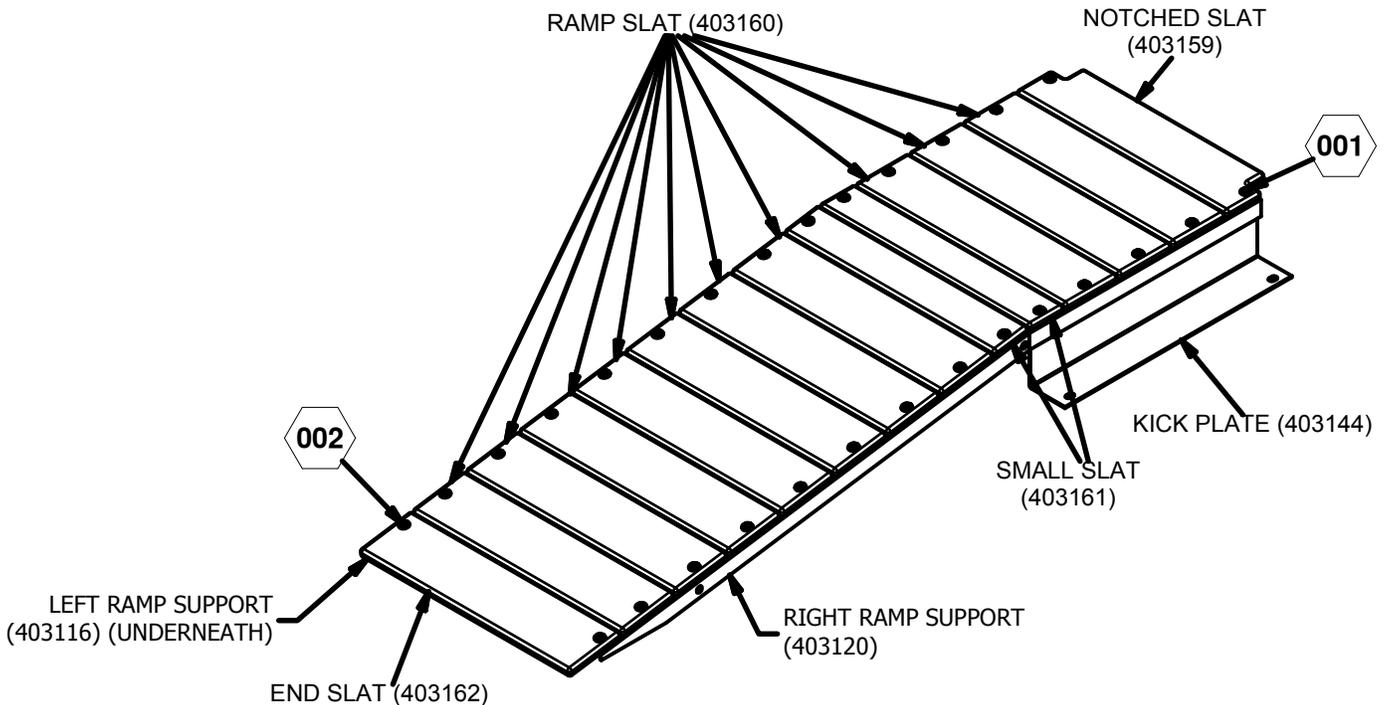
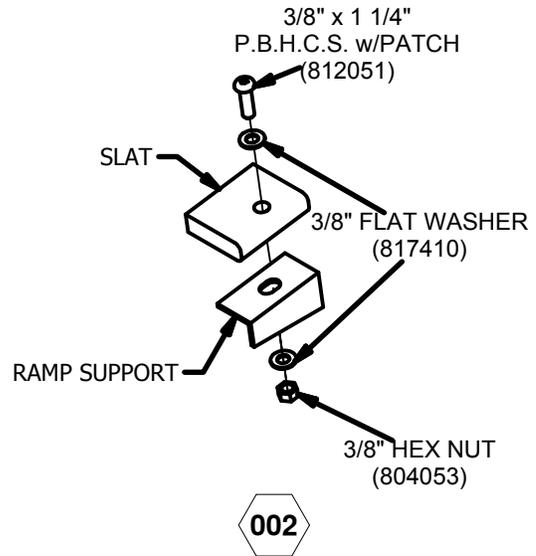
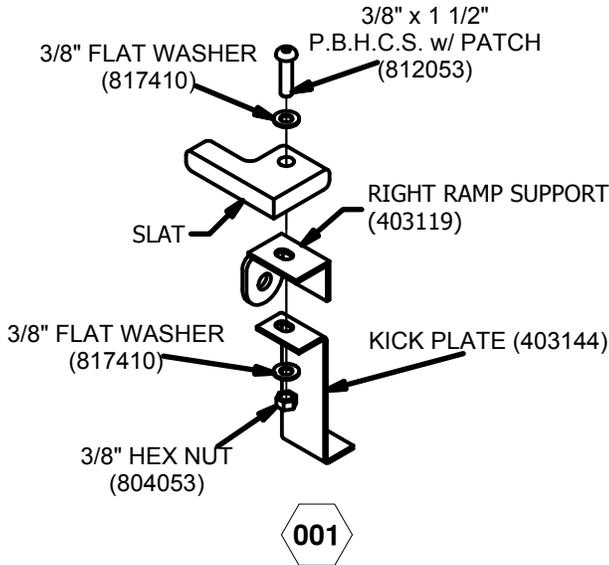
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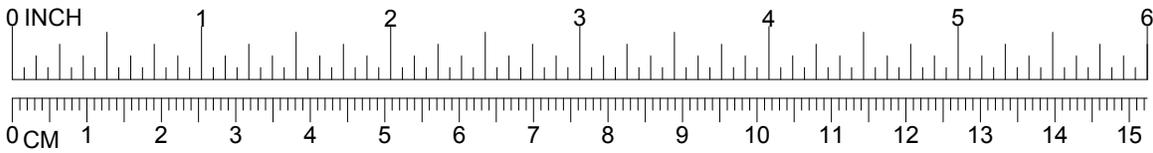
UP146 BIG OUTDOORS

STEP 1

1. Attach Kick Plate to Right Ramp Support with Notched Slat, Ramp Slats, and Small Slat using 3/8" x 1 1/2" P.B.H.C.S. w/Patch, 3/8" Flat Washers, and 3/8" Hex nut. See Detail 001. NOTE: This connection is to be used with Kick Plate ONLY.
2. Attach End Slat, Ramp Slat, Small Slat, and Notched Slat to Left Ramp Support and Right Ramp Support using 3/8" x 1 1/4" P.B.H.C.S. w/Patch, 3/8" Flat Washers, and 3/8" Hex Nut. See Detail 002.



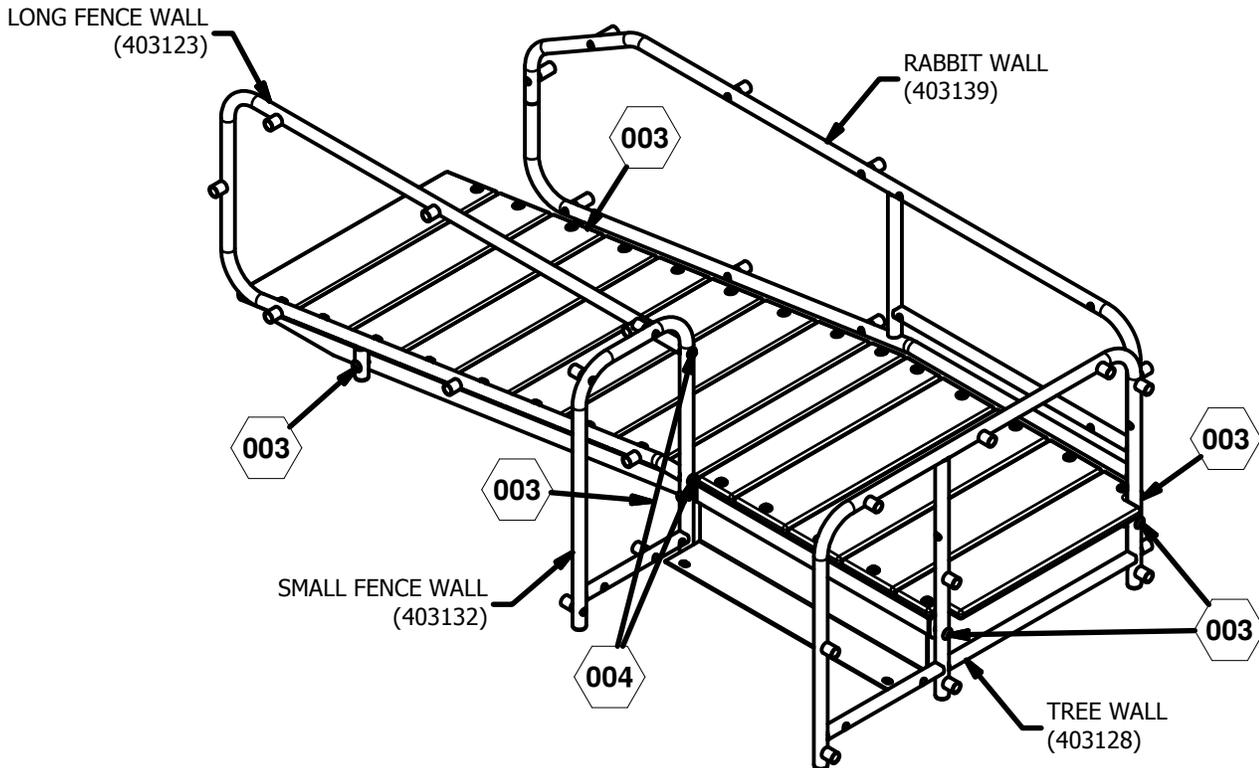
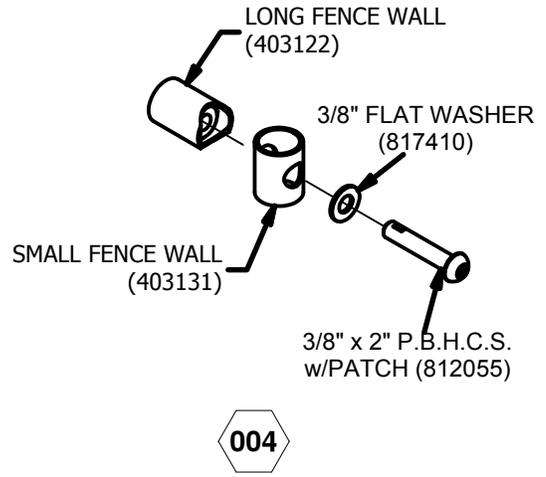
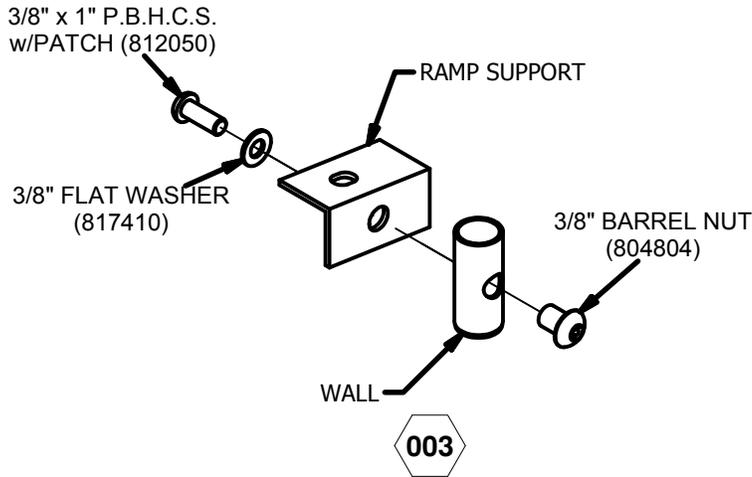
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UP146 BIG OUTDOORS STEP 2

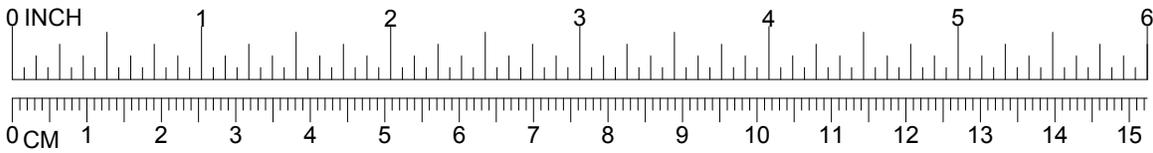
1. Attach the Tree Wall, Rabbit Wall, Small Fence Wall, and Long Fence Wall to Left and Right Ramp Supports using 3/8" x 1" P.B.H.C.S. w/Patch, 3/8" Flat Washer, and 3/8" Barrel Nut. See Detail 003.
2. Attach Long Fence Wall to Small Fence using 3/8" x 2" P.B.H.C.S. w/Patch and 3/8" Flat Washers. See Detail 004.

NOTE: IF INSTALLING IN GROUND OR SURFACE MOUNT PACKAGES REFER TO UP147 OR UP148 INSTALLATION SHEETS NOW.



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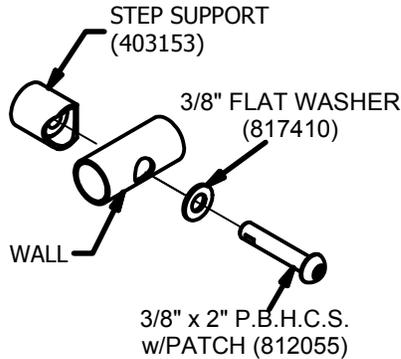




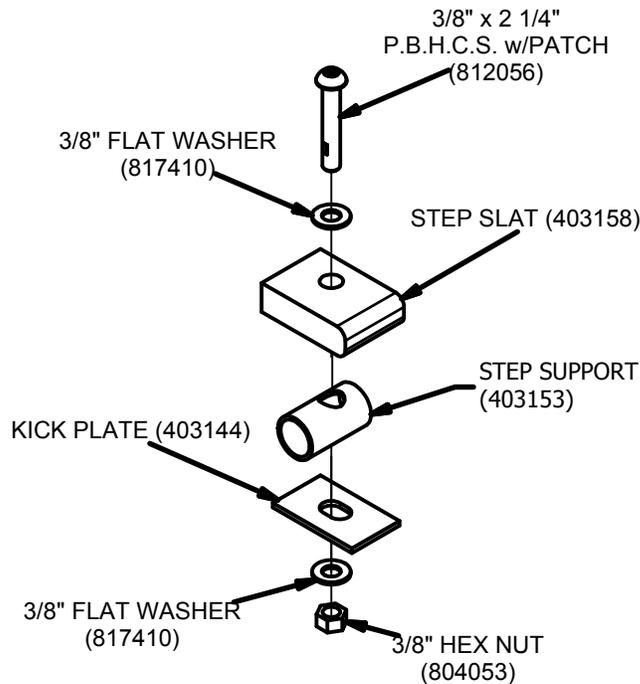
UP146 BIG OUTDOORS STEP 3

1. Attach Step Support to Small Fence Wall and Tree Wall using 3/8" x 2" P.B.H.C.S. w/Patch and 3/8" Flat Washer. See Detail 005.
2. Attach Step Slat to Step Support and Kick Plate using 3/8" x 2 1/4" P.B.H.C.S. w/Patch, 3/8" Flat Washer, and 3/8" Hex Nut. See Detail 006.

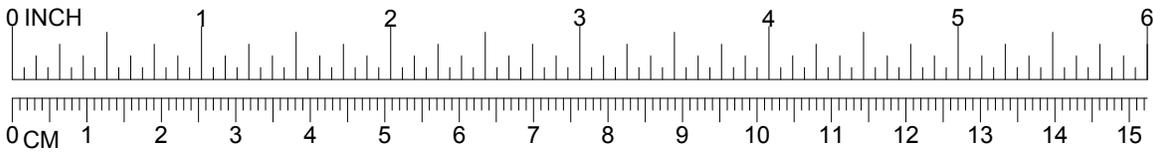
NOTE: Refer to Assembly on next page for Detail 005 and 006 location



005

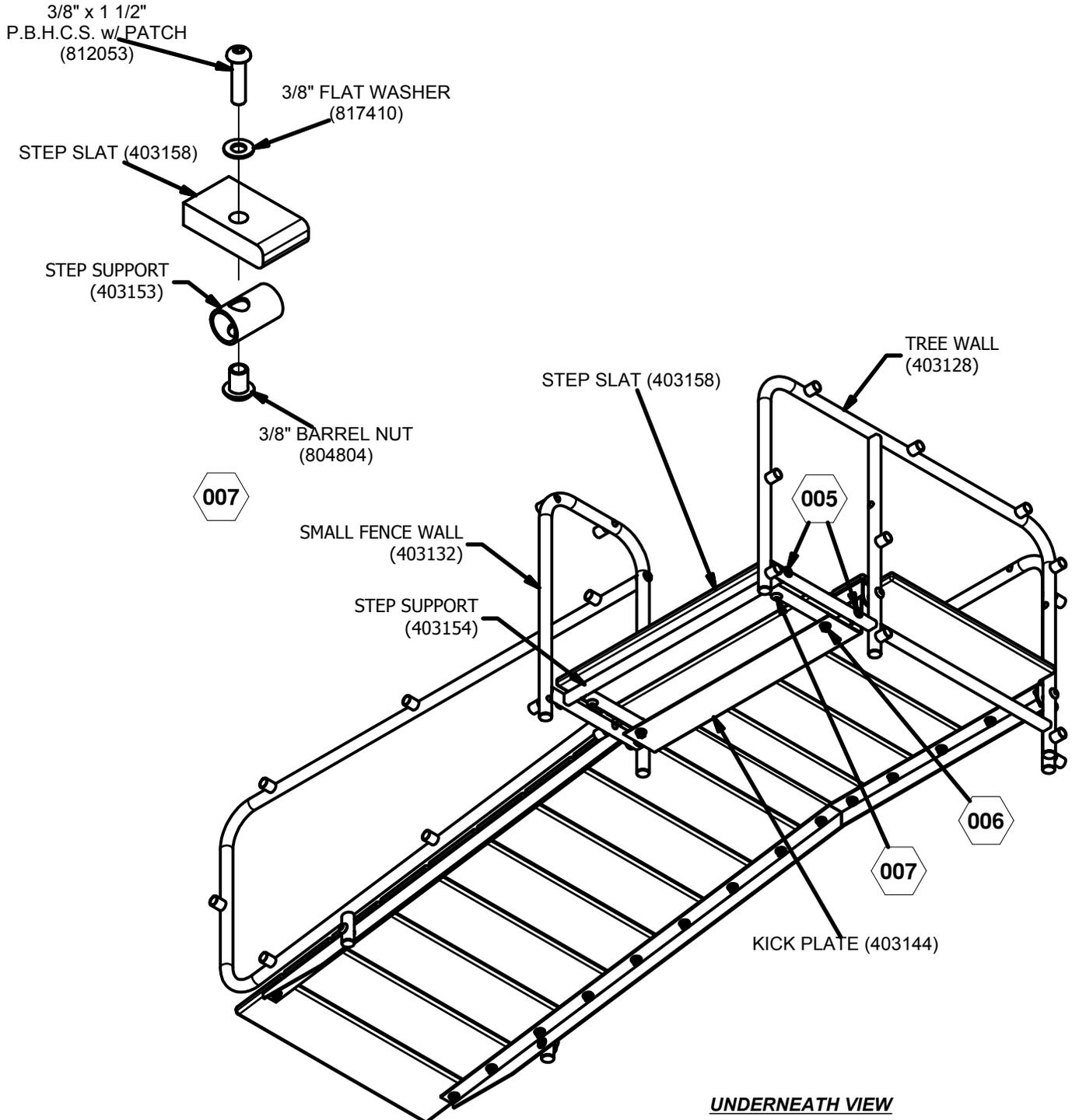


006



UP146 BIG OUTDOORS STEP 3 CONT'D

3. Attach Step Slat to Step Support using 3/8" x 1 3/4" P.B.H.C.S. w/Patch, 3/8" Flat Washer, and 3/8" Barrel Nut. See Detail 007.



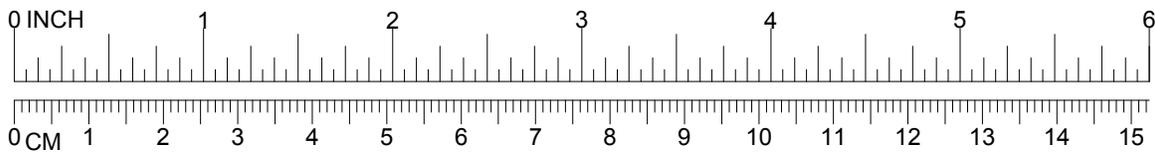
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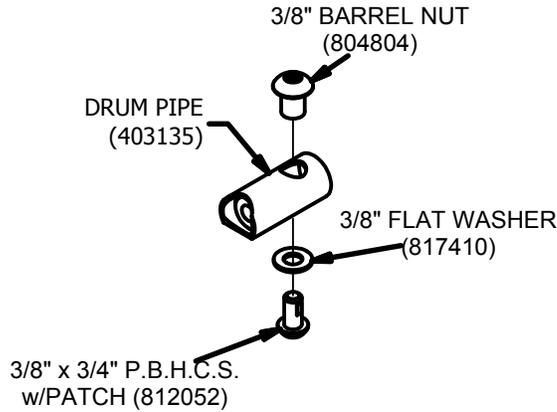
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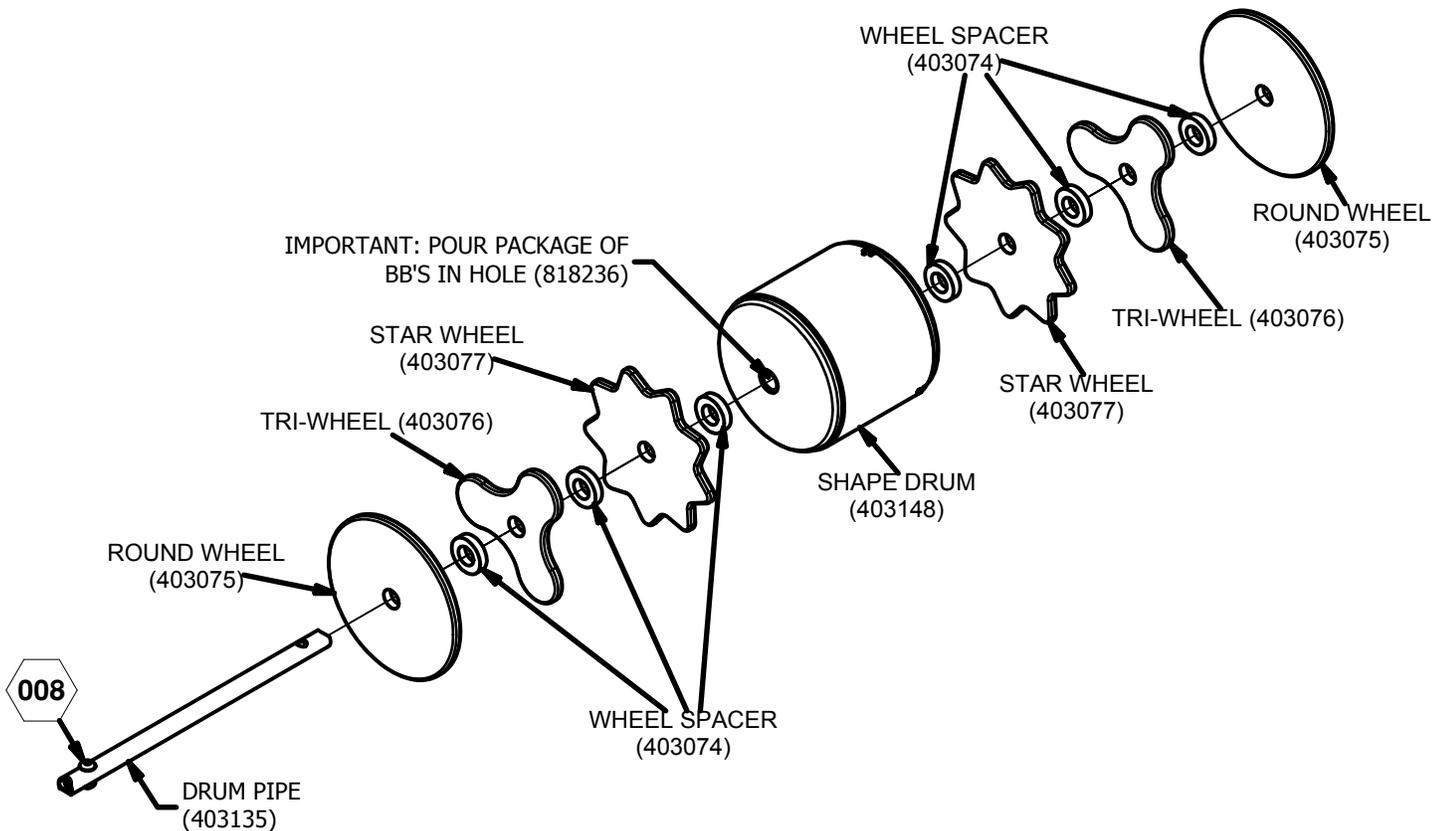


UP146 BIG OUTDOORS STEP 4

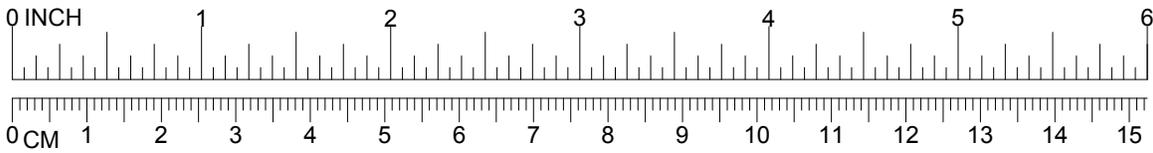
1. Pour entire Package of BB's into Shape Drum.
2. Place Round Wheel, Wheel Spacer, Tri-Wheel, Star Wheel, and Shape Drum on Drum Pipe and secure using 3/8" x 3/4" P.B.H.C.S. w/Patch, 3/8" Flat Washer and 3/8" Barrel Nut. See Detail 008.



008



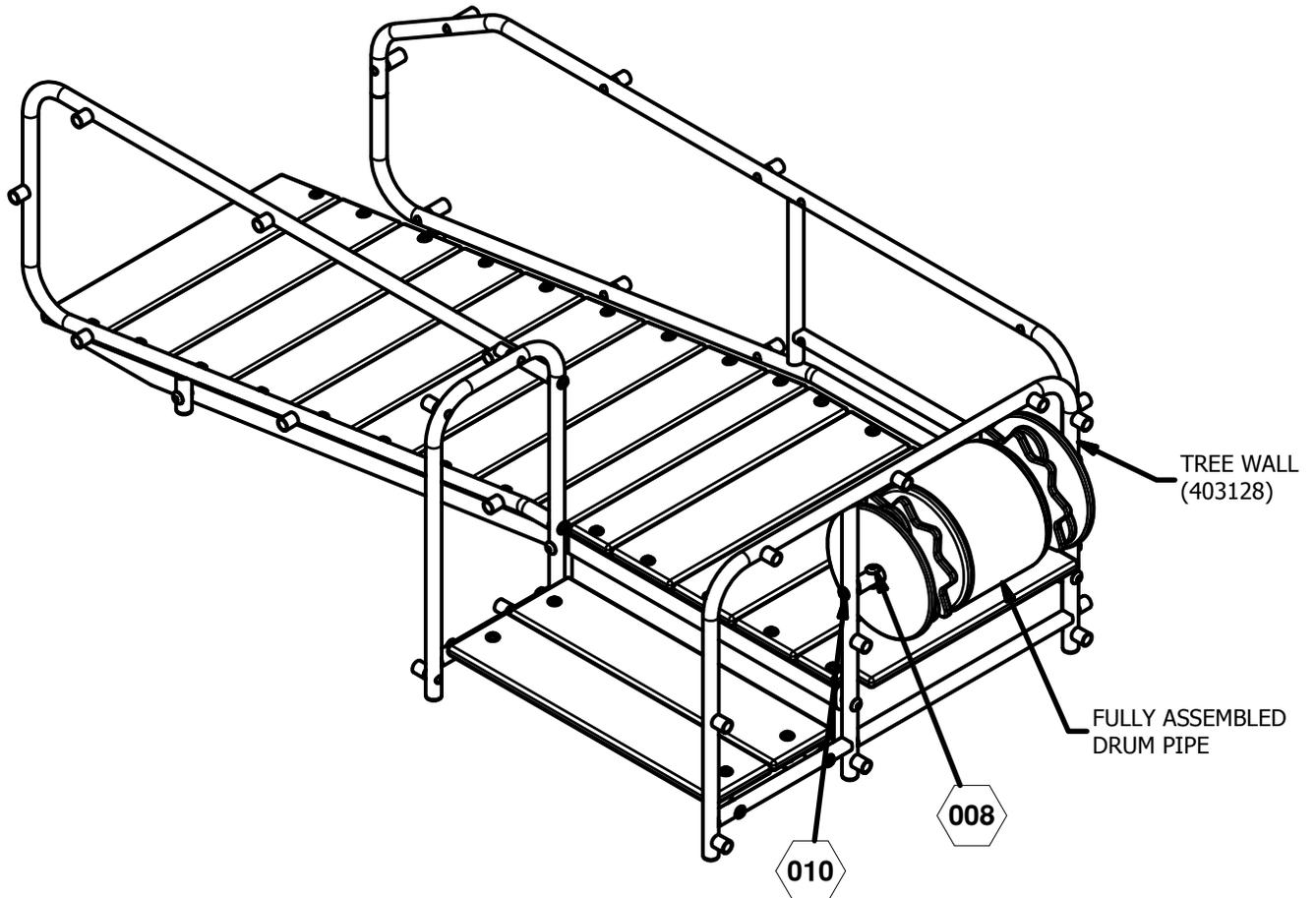
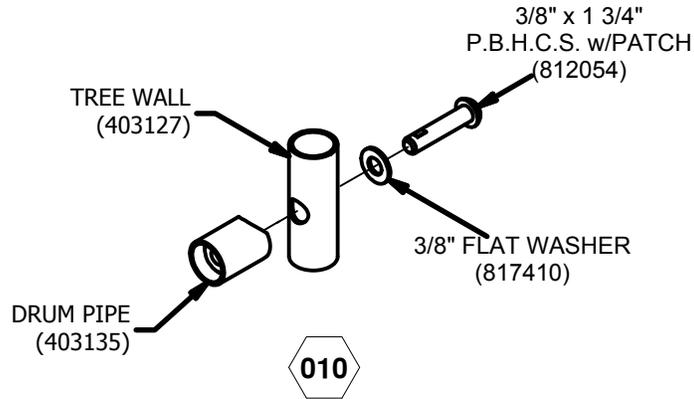
008



UP146 BIG OUTDOORS STEP 4 CONT'D

3. Attach fully assembled Drum Pipe to Tree Wall using 3/8" x 1 3/4" P.B.H.C.S. w/Patch and 3/8" Flat Washer. See Detail 010.

NOTE: Drum Pipe is notched, assembly must be inserted at an angle, then positioned in the correct position.



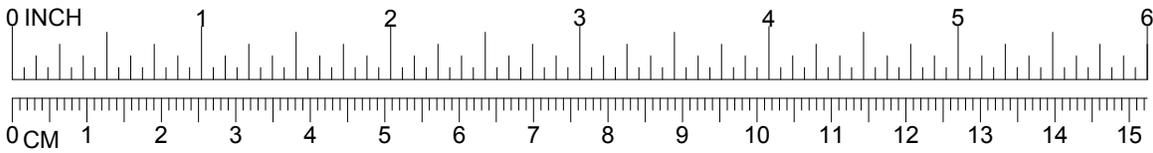
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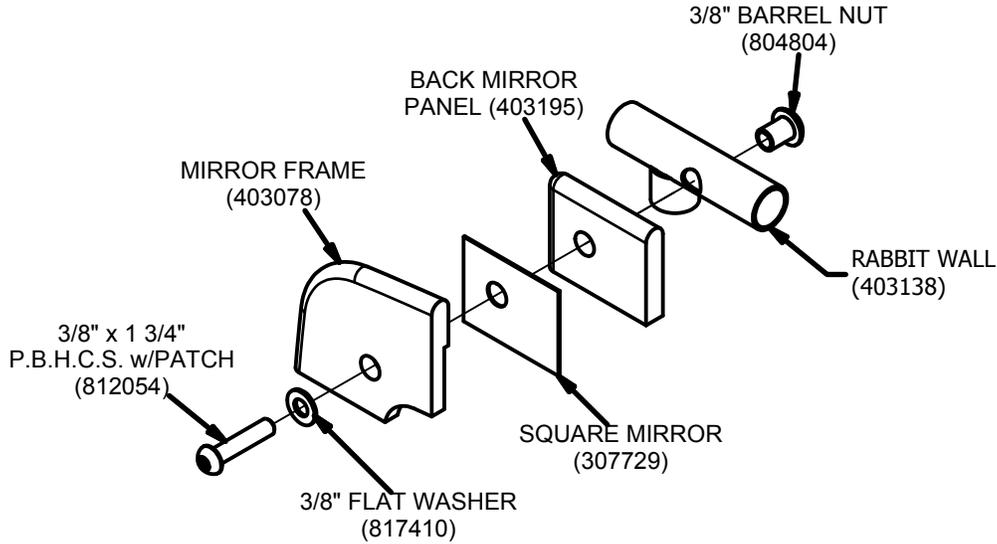
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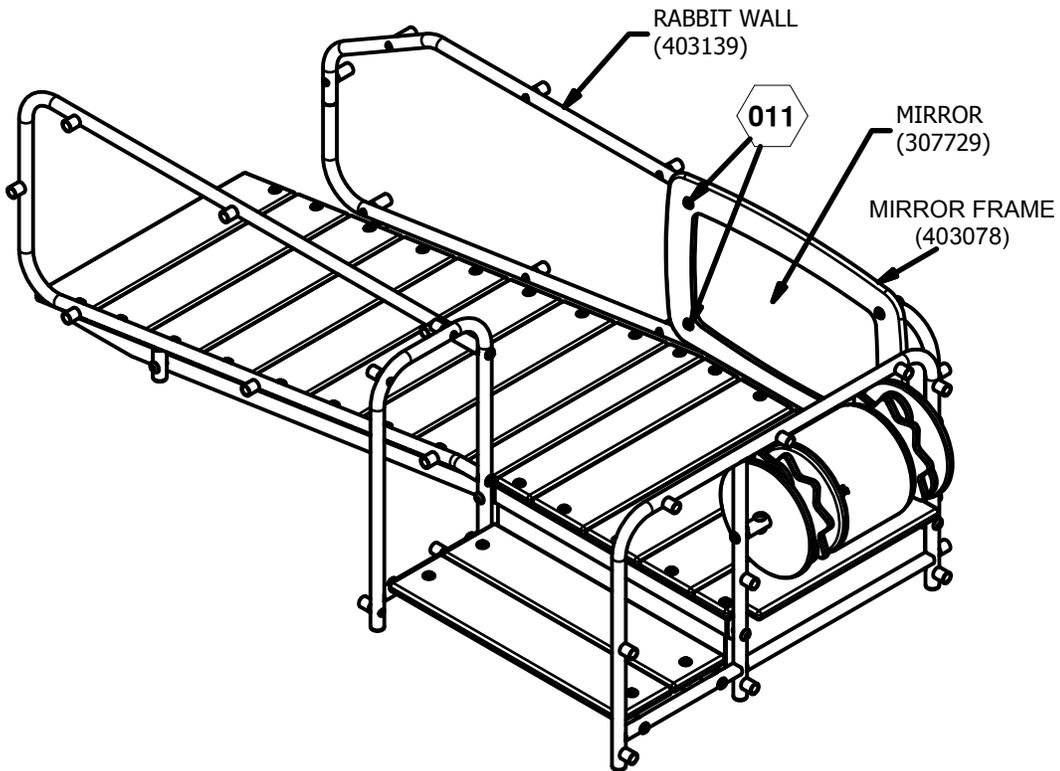


UP146 BIG OUTDOORS STEP 5

1. Attach Mirror Frame, Mirror, and Back Mirror Panel to Rabbit Wall using 3/8" x 1 3/4" P.B.H.C.S. w/Patch, 3/8" Flat Washer, and 3/8" Barrel Nut. See Detail 011.



011



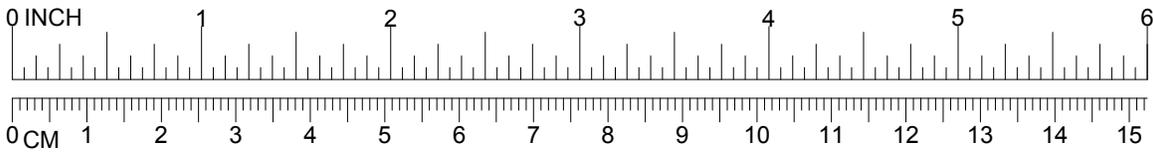
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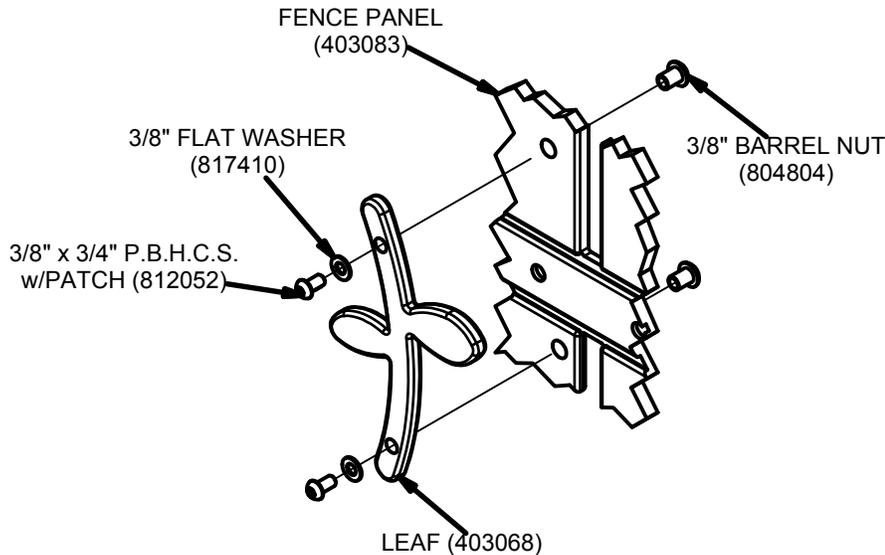
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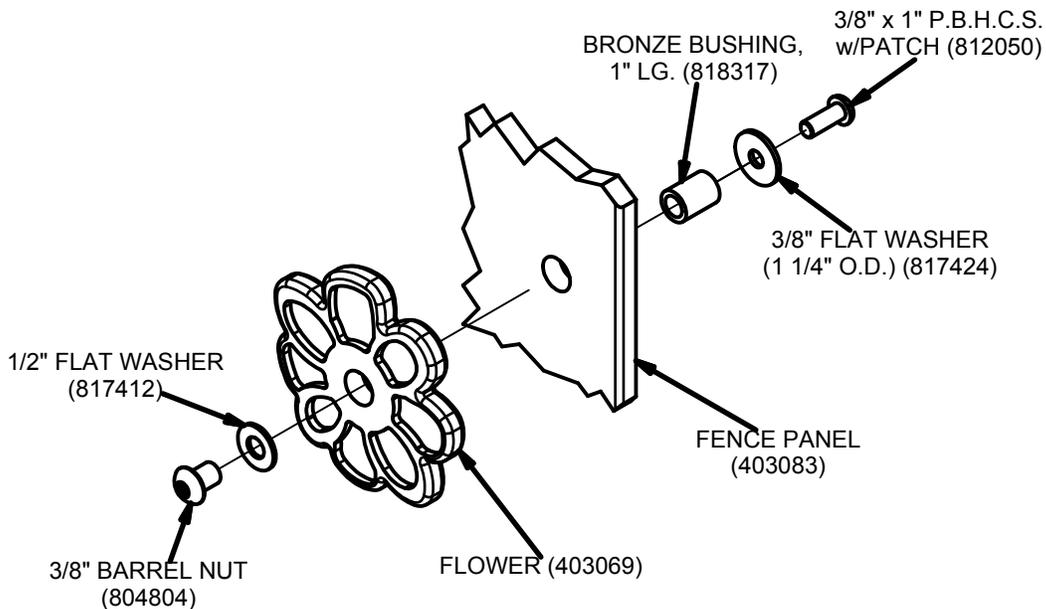
UP146 BIG OUTDOORS STEP 6

1. Attach Leaf to Fence Panel using 3/8" x 3/4" P.B.H.C.S. w/Patch, 3/8" Flat Washer, and 3/8" Barrel Nut. See Detail 012.
2. Attach Flower to Fence Panel using 3/8" x 1" P.B.H.C.S. w/Patch, 3/8" Flat Washer (1 1/4" O.D.), Bronze Bushing, 1/2" Flat Washer, and 3/8" Barrel Nut. See Detail 013.

NOTE: Refer to Assembly on next page for Leaf and Flower location.



012



013

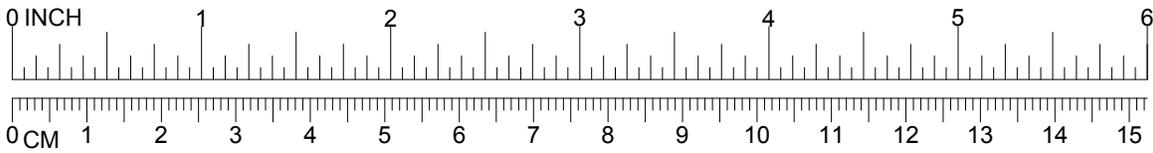
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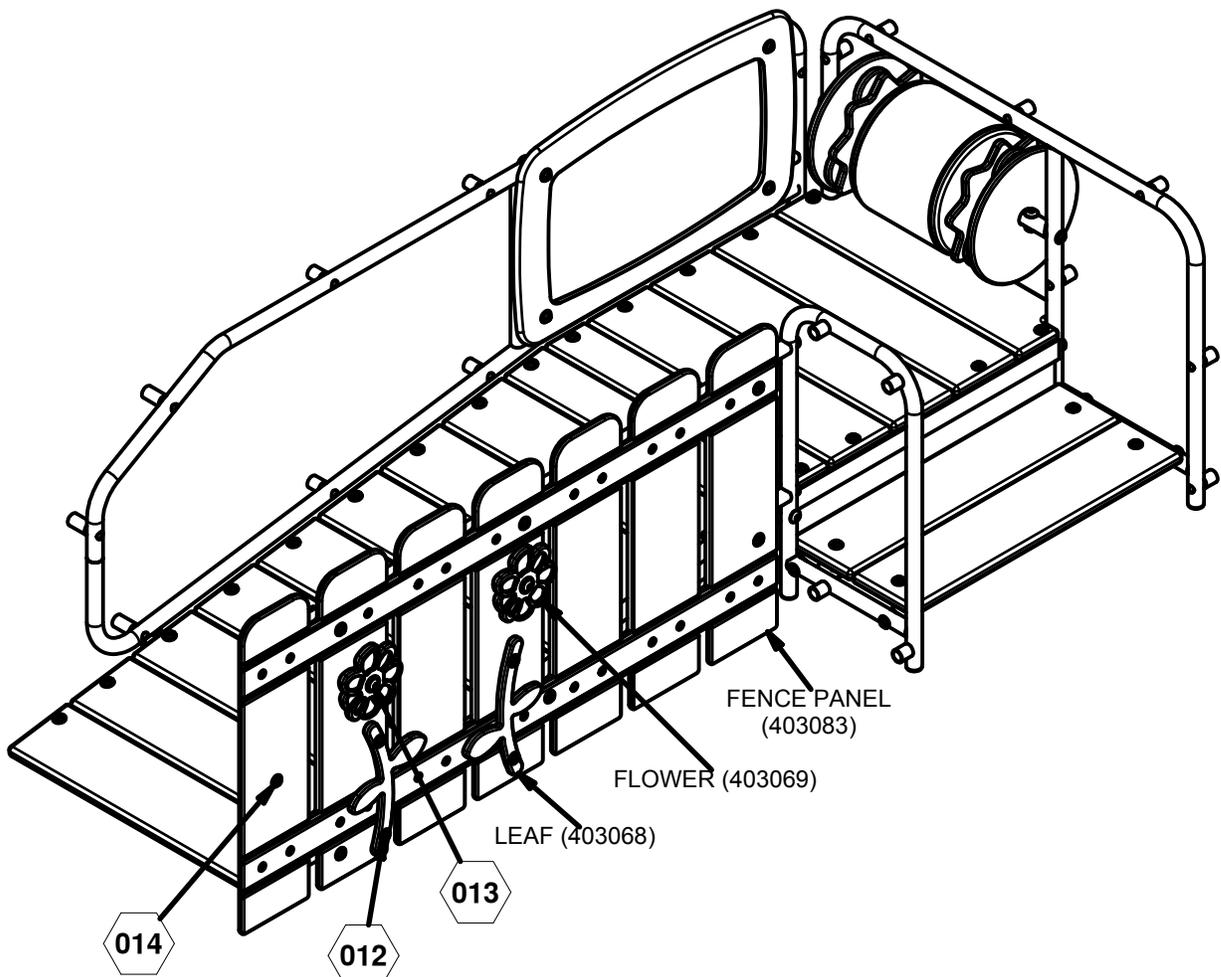
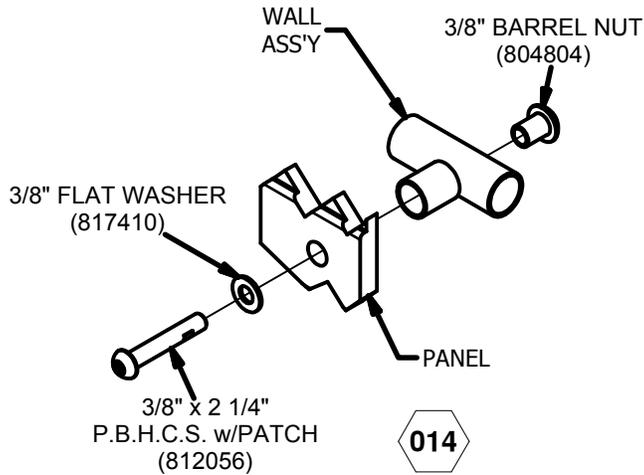
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UP146 BIG OUTDOORS STEP 6 CONT'D

3. Attached fully assembled Fence Panel to Long Fence Wall using 3/8" x 2 1/4" P.B.H.C.S. w/Patch, 3/8" Flat Washer, and 3/8" Barrel Nut. See Detail 014.



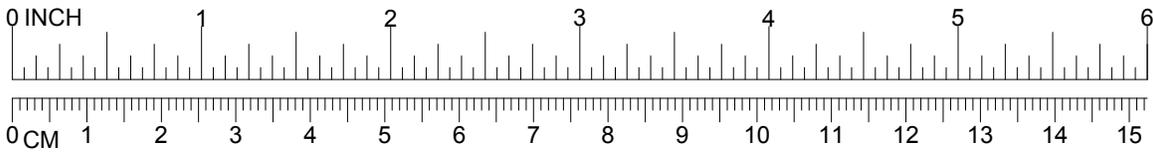
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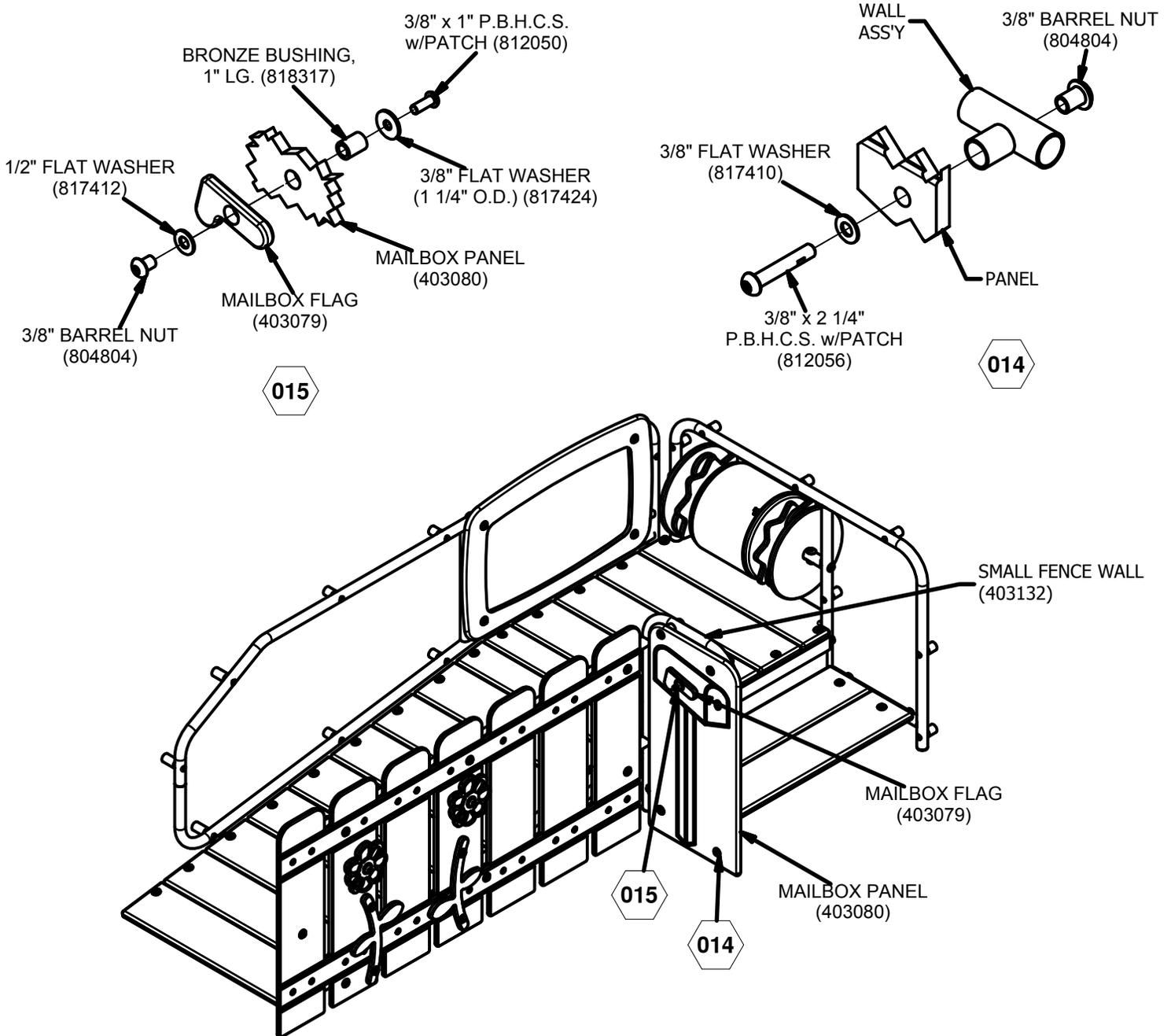
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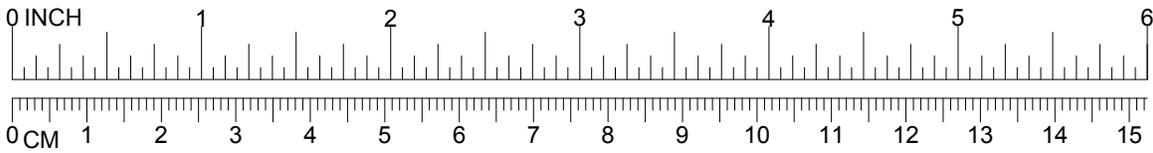


UP146 BIG OUTDOORS STEP 7

1. Attach Mailbox Flag to Mailbox Panel using 3/8" x 1" P.B.H.C.S. w/Patch, 3/8" Flat Washer (1 1/4" O.D.), Bronze Bushing, 1/2" Flat Washer, and 3/8" Barrel Nut. See Detail 015.
2. Attach fully assembled Mailbox Panel to Small Fence Wall using 3/8" x 2 1/4" P.B.H.C.S. w/Patch, 3/8" Flat Washer, and 3/8" Barrel Nut. See Detail 014.

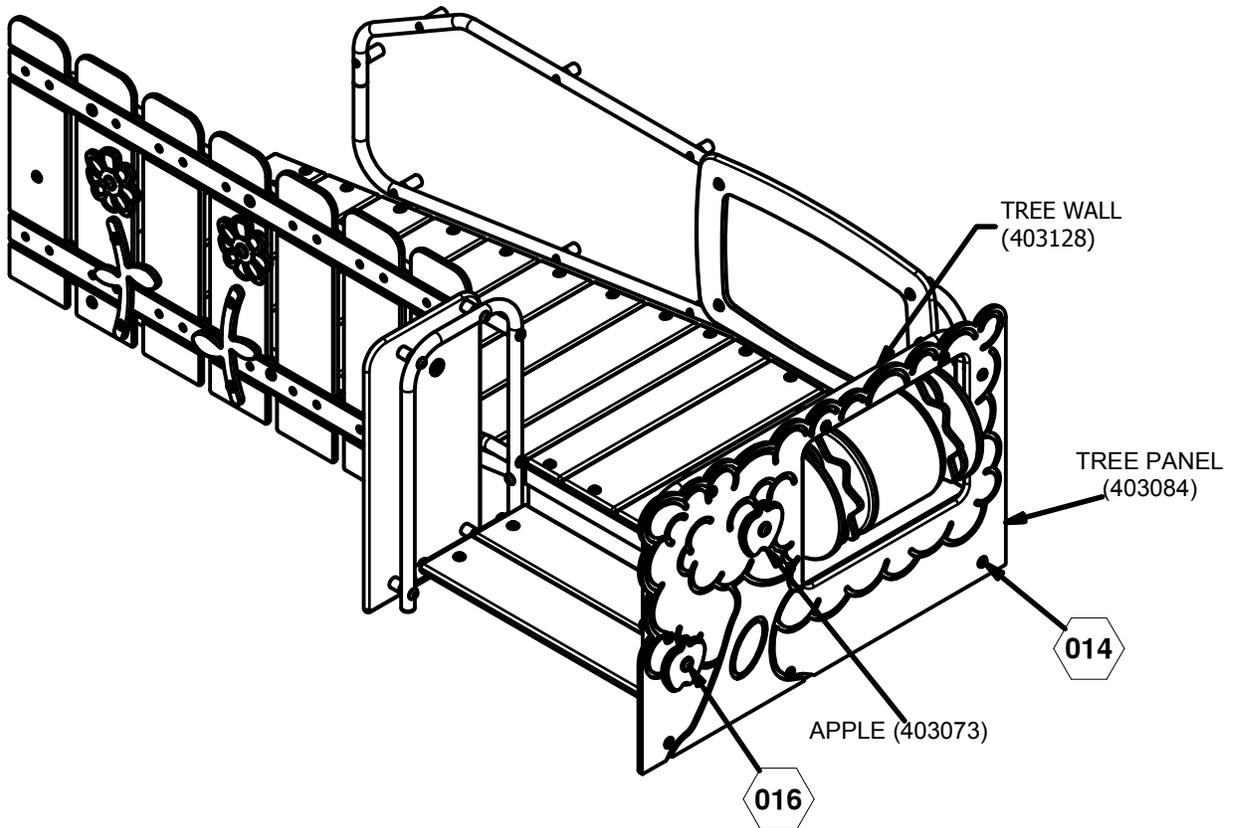
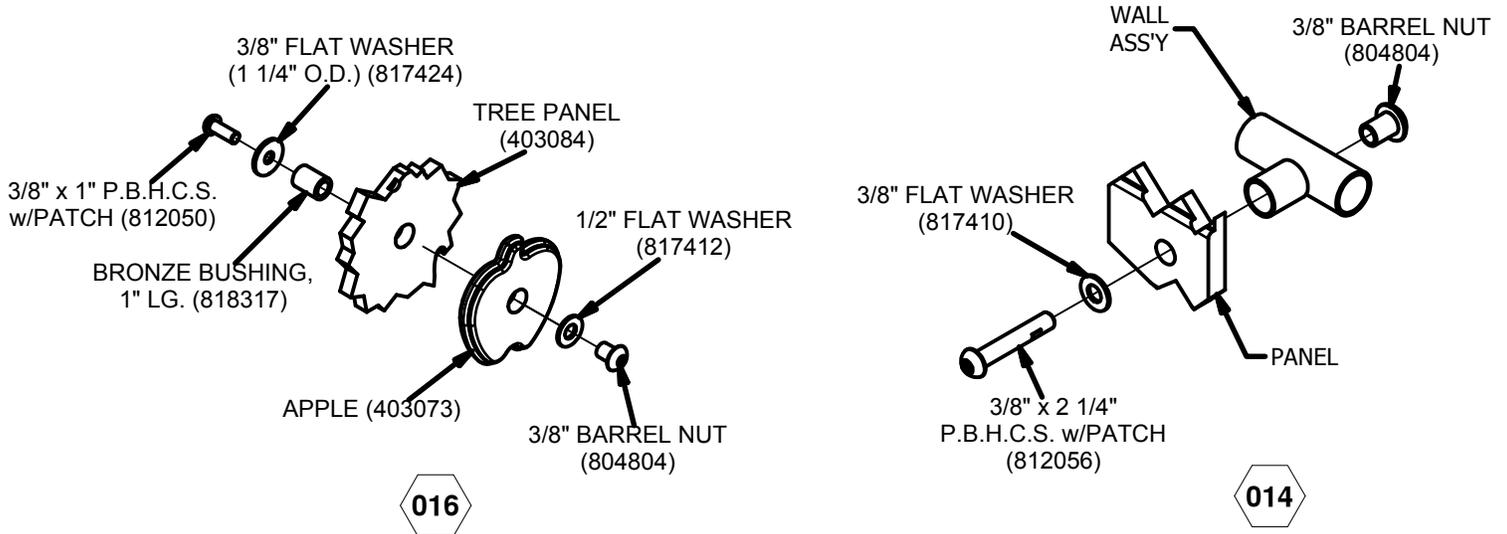
NOTE: IF INSTALLING IN GROUND OR SURFACE MOUNT PACKAGES REFER TO UP147 OR UP148 INSTALLATION SHEETS NOW.



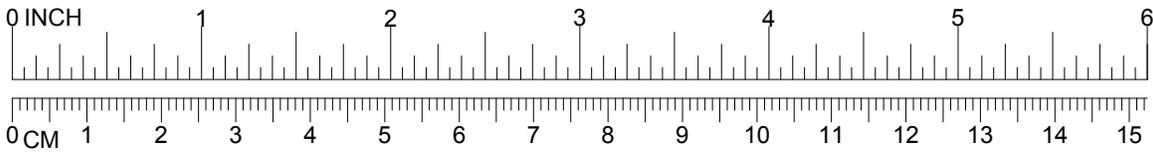


UP146 BIG OUTDOORS STEP 8

1. Attach Apple to Tree Panel using 3/8" x 1" P.B.H.C.S. w/Patch, 3/8" Flat Washer (1 1/4" O.D.), Bronze Bushing, 1/2" Flat Washer, and 3/8" Barrel Nut. See Detail 016.
2. Attach fully assembled Tree Panel to Tree Wall using 3/8" x 2 1/4" P.B.H.C.S. w/Patch, 3/8" Flat Washer, and 3/8" Barrel Nut. See Detail 014.



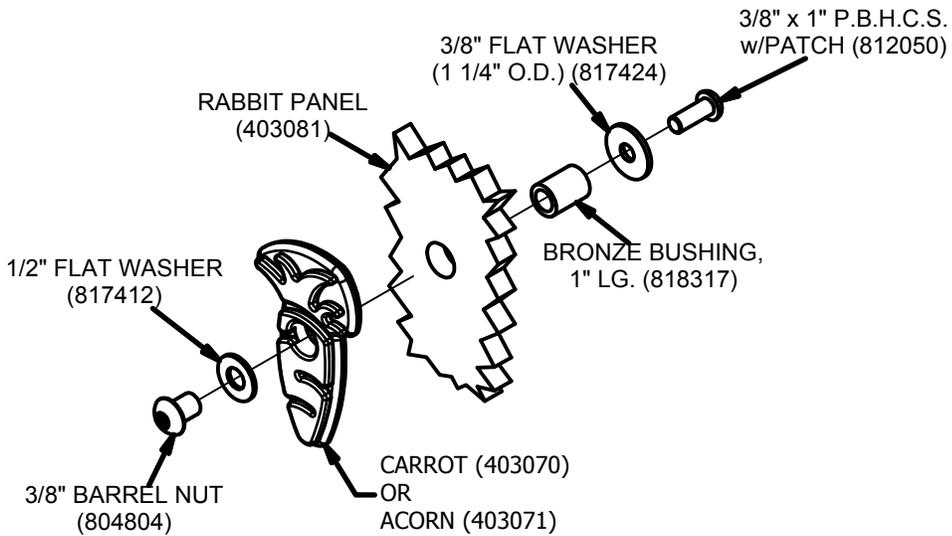
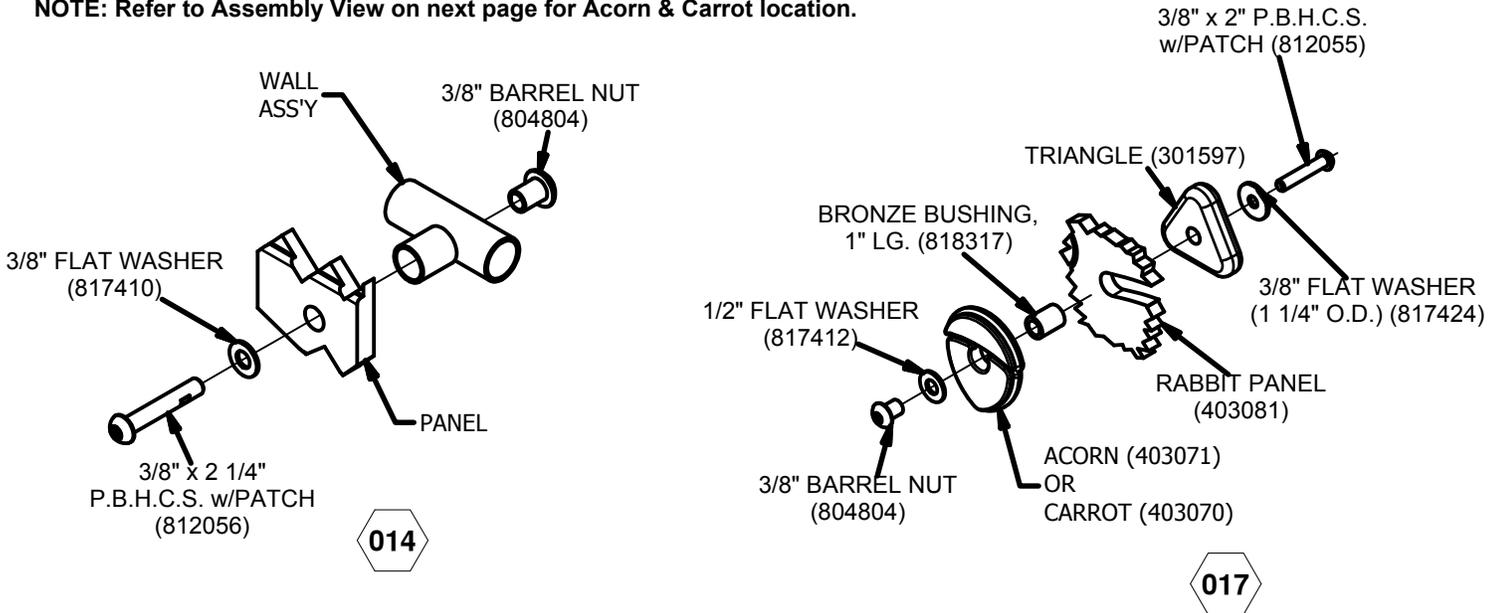
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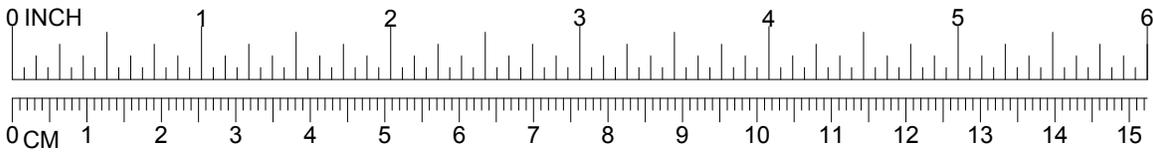
UP146 BIG OUTDOORS STEP 9

1. Attach Acorn or Carrot to Triangle in slots on Rabbit Panel using 3/8" x 1 3/4" P.B.H.C.S. w/Patch, 3/8" Flat Washer (1 1/4" O.D.), Bronze Bushing, 1/2" Flat Washer, and 3/8" Barrel Nut. See Detail 017.
2. Attach Acorn and Carrot to Rabbit Panel using 3/8" x 1" P.B.H.C.S. w/Patch, 3/8" Flat Washer (1 1/4" O.D.), Bronze Bushing, 1/2" Flat Washer, and 3/8" Barrel Nut. See Detail 018.
3. Attach fully assembled Rabbit Panel to Rabbit Wall using 3/8" x 2 1/4" P.B.H.C.S. w/Patch, 3/8" Flat Washer, and 3/8" Barrel Nut. See Detail 014.

NOTE: Refer to Assembly View on next page for Acorn & Carrot location.

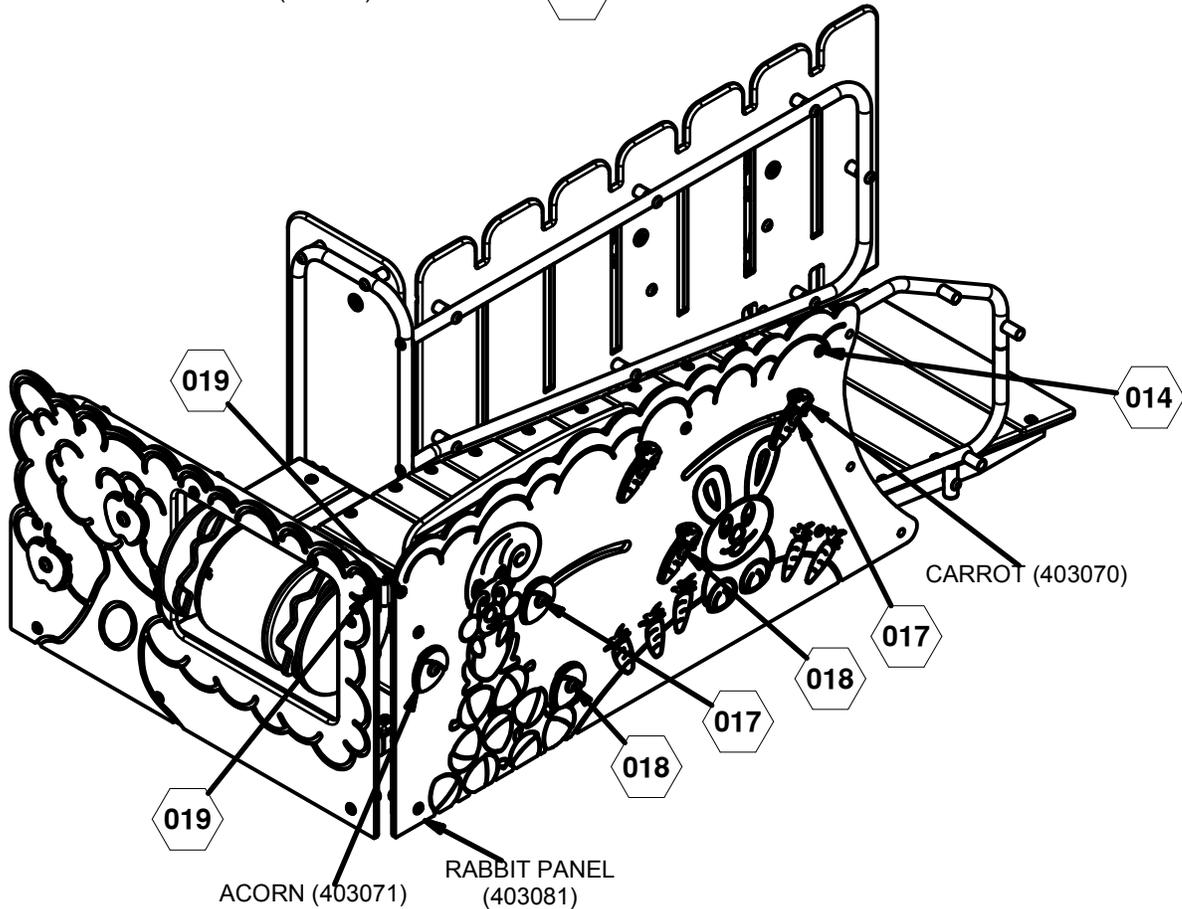
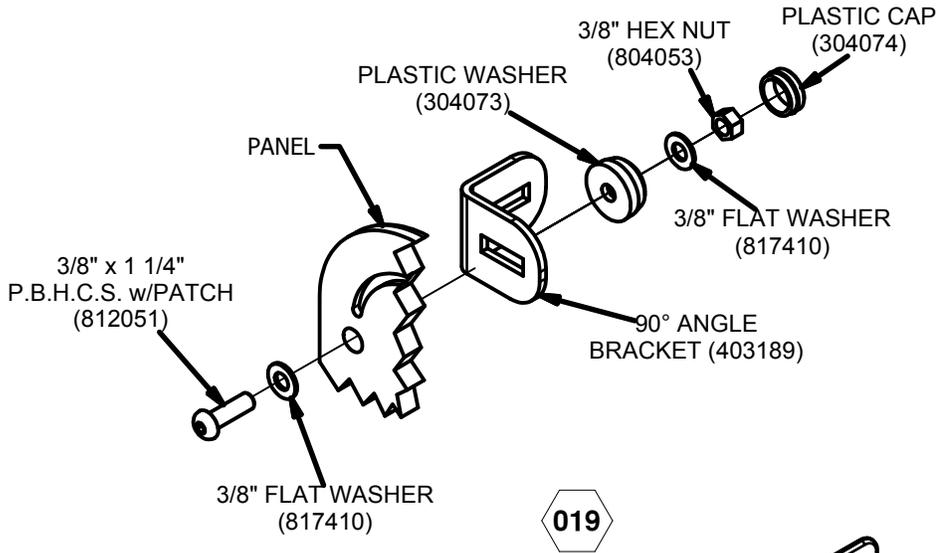


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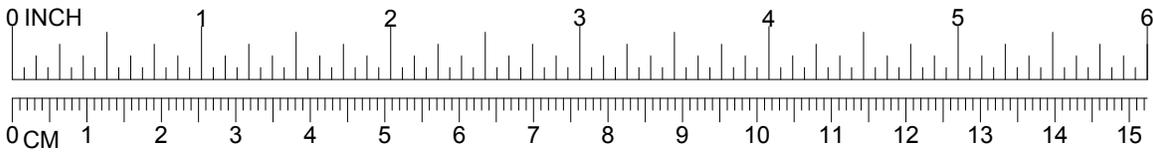


UP146 BIG OUTDOORS STEP 9 CONT'D

1. Attach 90° Angle Bracket to Rabbit Panel and Tree Panel using 3/8" x 1 1/4" P.B.H.C.S. w/Patch, 3/8" Flat Washer, Plastic Washer, 3/8" Hex Nut, and Plastic Cap. See Detail 019.



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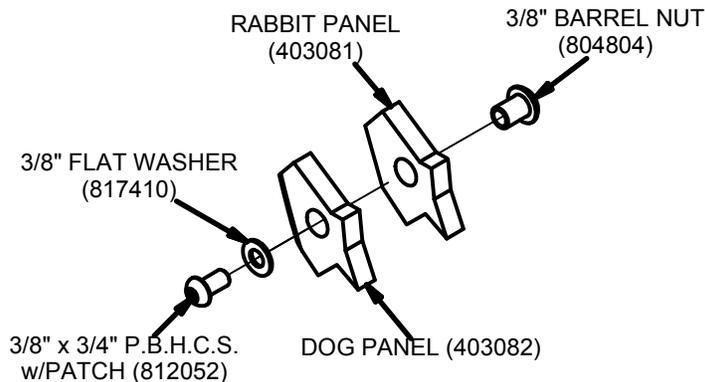
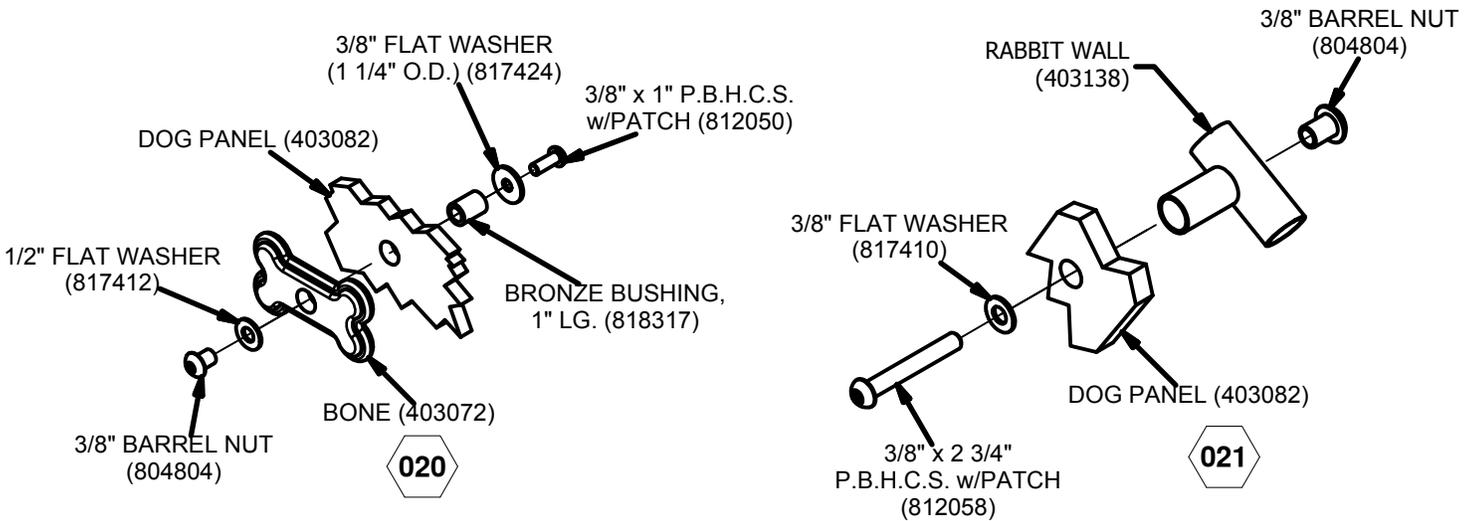


UP146 BIG OUTDOORS STEP 10

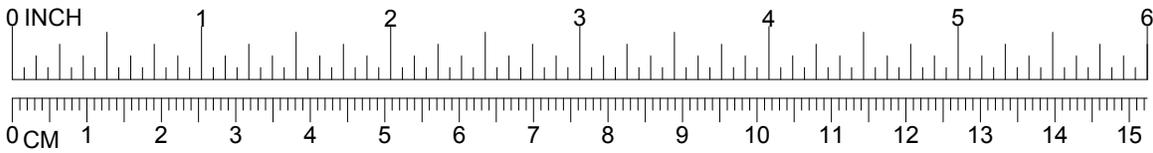
1. Attach Bone to Dog Panel using 3/8" x 1" P.B.H.C.S. w/Patch, 3/8" Flat Washer (1 1/4" O.D.), Bronze Bushing, 1/2" Flat Washer, and 3/8" Barrel Nut. See Detail 020.
2. Attach fully assembled Dog Panel to Rabbit Wall using 3/8" x 2 3/4" P.B.H.C.S. w/Patch, 3/8" Flat Washer, and 3/8" Barrel Nut. See Detail 021.
3. Attach Dog Panel to Rabbit Panel using 3/8" x 3/4" P.B.H.C.S. w/Patch, 3/8" Flat Washer, and 3/8" Barrel Nut. See Detail 022.

NOTE: Refer to Assembly View on next page for Bone location.

NOTE: IF INSTALLING IN GROUND OR SURFACE MOUNT PACKAGES REFER TO UP147 OR UP148 INSTALLATION SHEETS NOW.

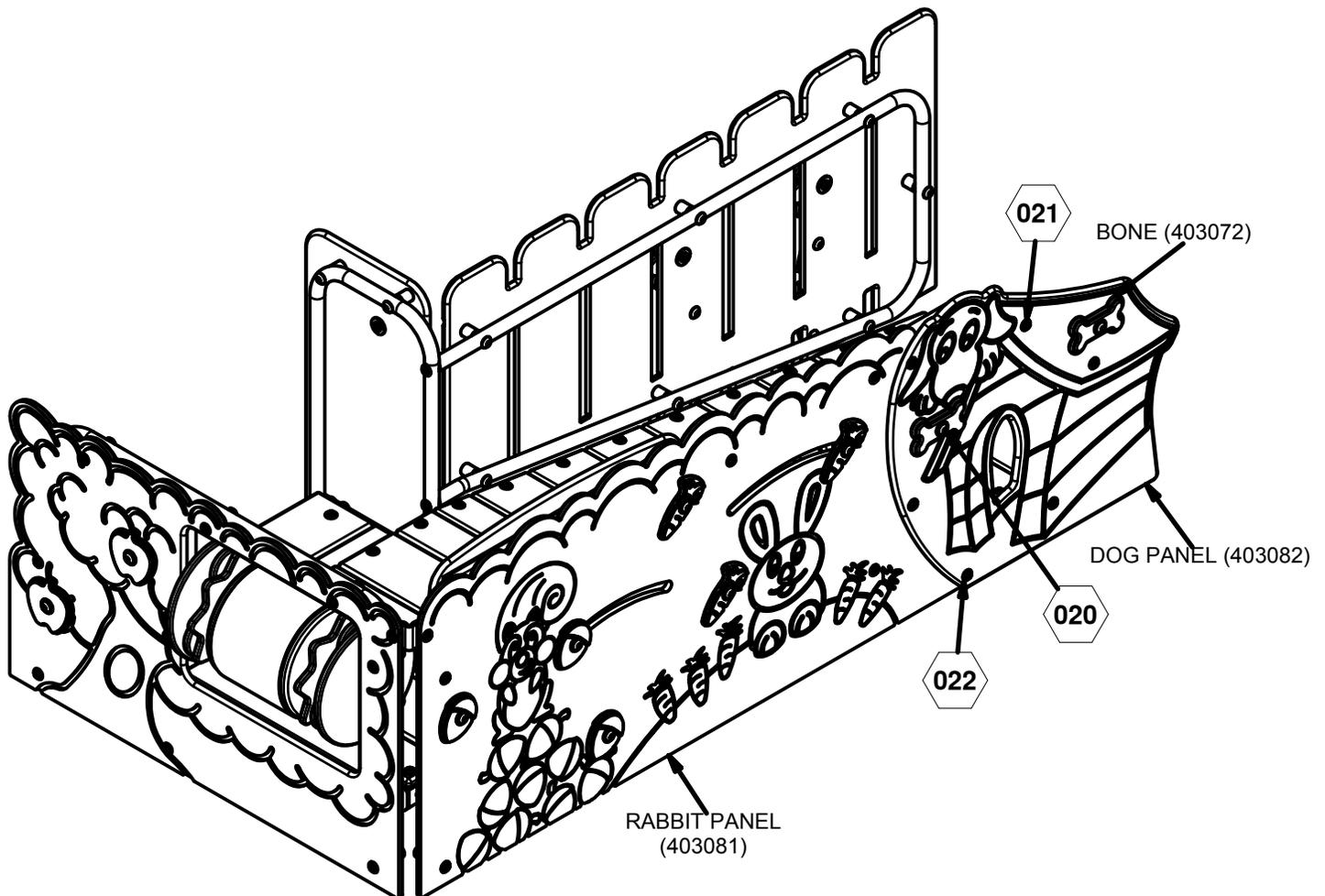


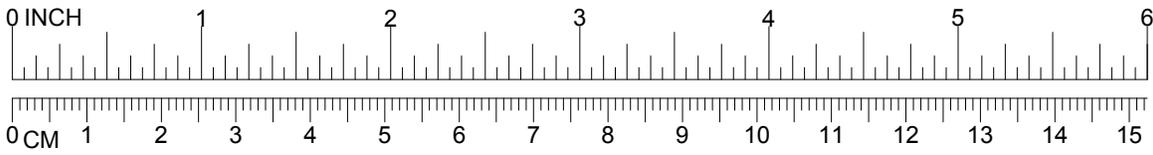
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UP146 BIG OUTDOORS STEP 10 CONT'D

4. Plumb and level the entire assembly and tighten all fasteners.
5. When the structure is finished and satisfactory, eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc. Install resilient surfacing material within the use zone of play structure in accordance with ASTM specifications F1292 appropriate for the fall height of each structure. Refer to the safety guidelines.





UP146 BIG OUTDOORS STEP 11

1. Attach 6-23 Month Warning Label to Warning Label Plate. See Detail 045.
2. Attach Warning Label Plate to Back Wall using #4 x 1/2" Pan Head Screw. See Detail 045. Refer to view for location.

