

IMPORTANT NOTES: Read First

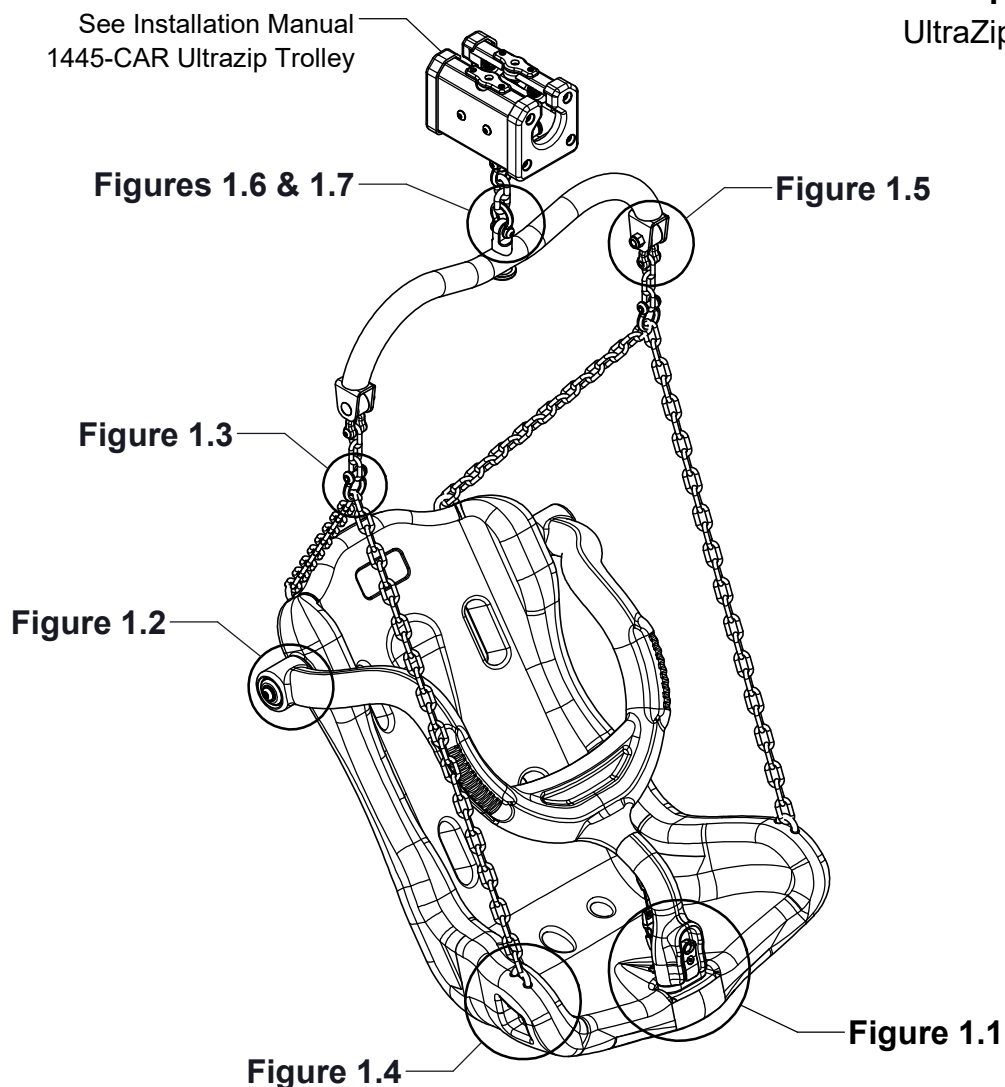
(A) Use liquid thread lock (such as Loctite®) with all threaded hardware. **Important:** Liquid thread lock (prior to curing) helps to eliminate the common problem of "thread seizure" in stainless steel hardware by serving as a lubricant during assembly.

(B) **Important:** Do not modify hanging position of ADA swings. (e.g. shortening chain, etc.)

(C) All accessible bolt threads protruding beyond the nut must be cut and de-burred until end is smooth to the touch. Sharp edges and/or points of any kind must be eliminated. A maximum of two threads may be exposed beyond the end of the nut.

(D) An appropriate energy absorbing safety surface is required under and around all playground equipment. Loose fill protective surfacing is shown only as an example for the purpose of this assembly instruction. Other surfacing material may vary in thickness and/or compression depths. See free publication - The Handbook for Public Playground Safety, Publication #325 at www.cpsc.gov for the surfacing appropriate for the fall height of the equipment or consult your surfacing supply representative.

FIGURE 1
UltraZip Inclusive Seat



Step 1 (Factory Assembled)

Assemble the Harness Latch as shown in Figure 1.1. (See Note A)

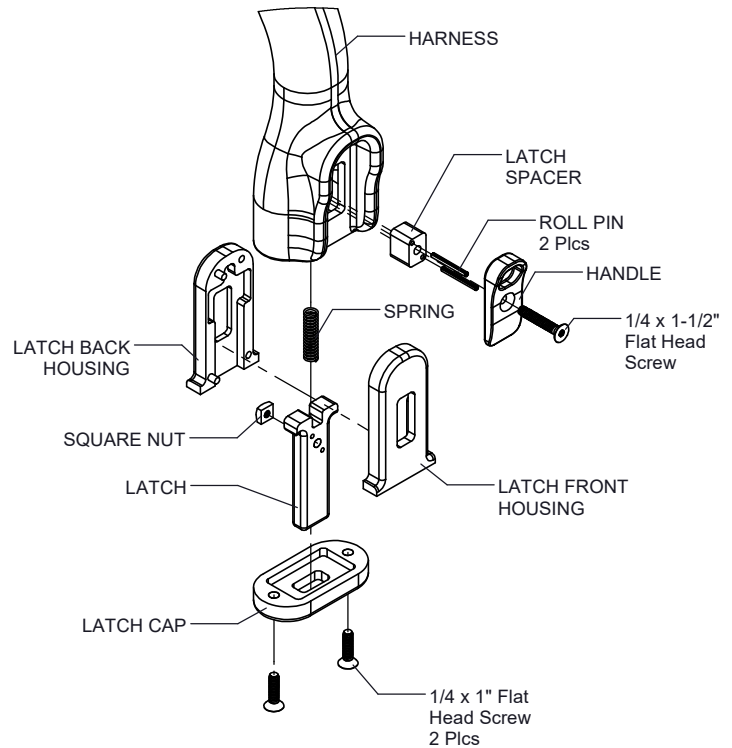


Figure 1.1

Step 2 (Factory Assembled)

Attach Harness to Seat as shown in Figure 1.2. (See Note A)

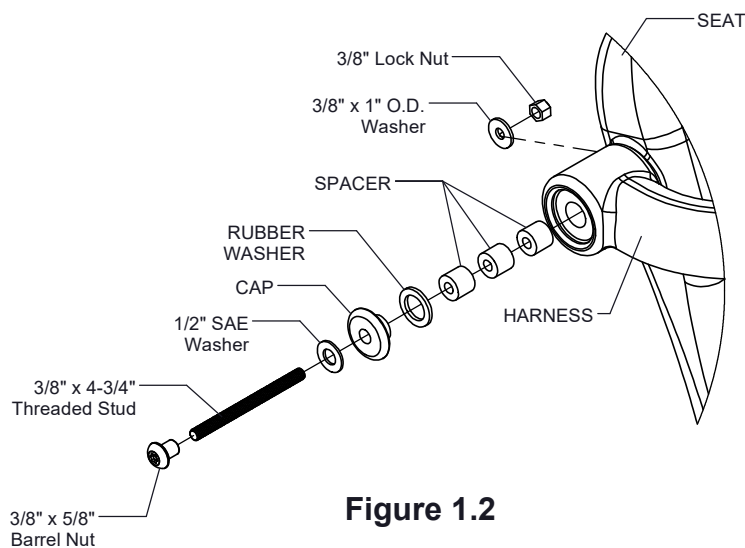


Figure 1.2

Step 3 (Factory Assembled)

Using Strap Template, mark location of Toggle hole as shown in Figure 2.

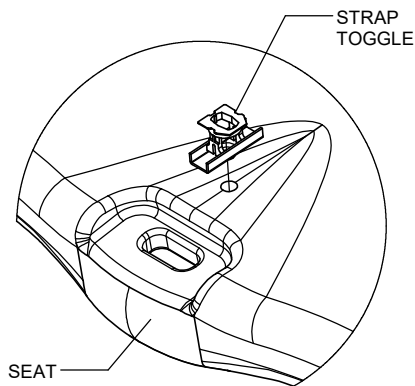


FIGURE 3

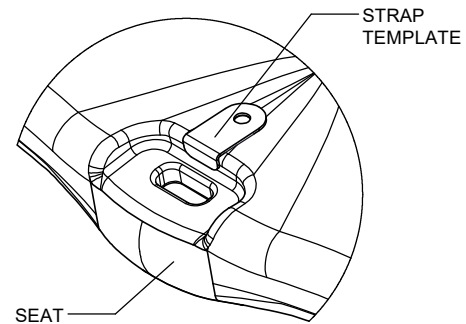


FIGURE 2

Step 4 (Factory Assembled)

Drill $\phi 1/2"$ [13mm] and install Toggle Strap to Seat as shown in Figure 3.

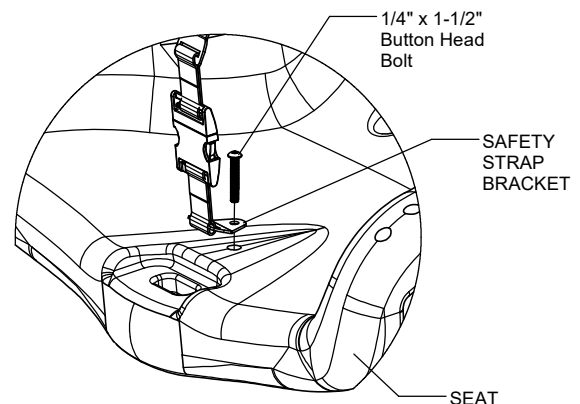


FIGURE 4

Step 5 (Factory Assembled)

Attach Safety Strap to Seat as shown in Figure 4.

NOTE: Buckle House is attached to Seat.

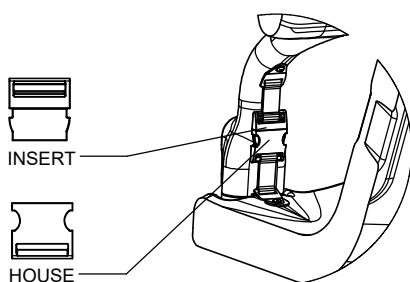


FIGURE 5

Step 6 (Factory Assembled)

Using Safety Strap as a template, mark location of next Toggle hole as shown in Figure 5. Repeat Steps 4 and 5 to attach Buckle Insert to Harness.

Step 7 (Factory Assembled)

Attach Chains together and attach Chains to Seat as shown in Figures 1.3 and 1.4. Refer to Chain Layout for relative chain locations. (See Note A)

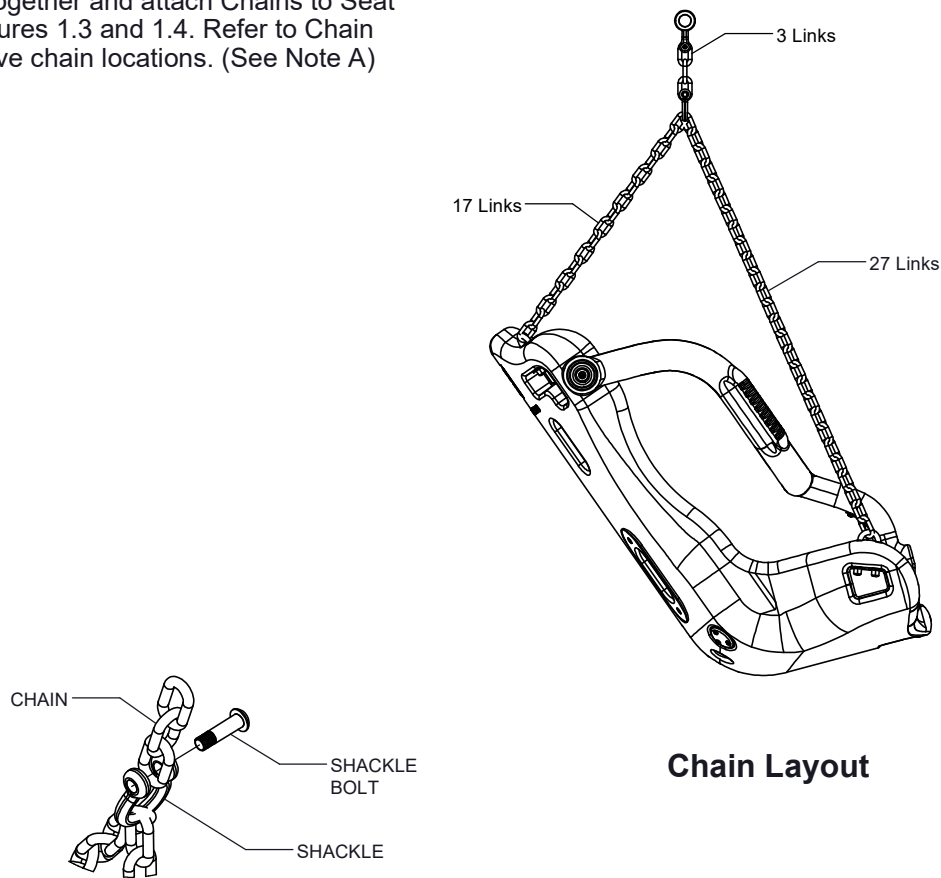


Figure 1.3

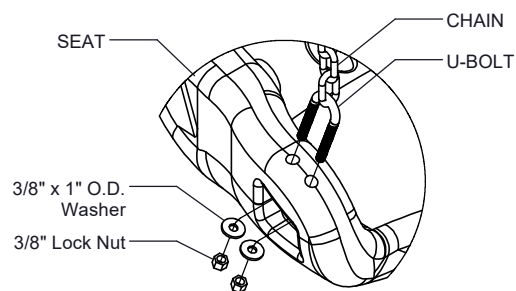


Figure 1.4

Step 8

Attach Chains to Swing Beam as shown in Figure 1.5. (See Notes A & C)

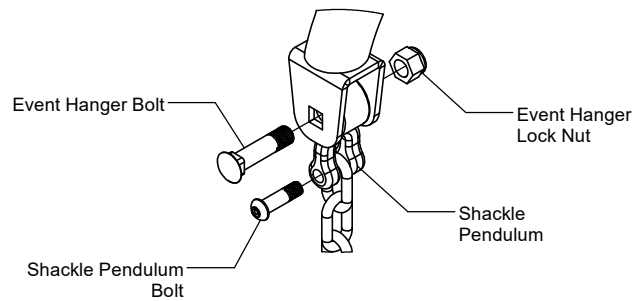


Figure 1.5

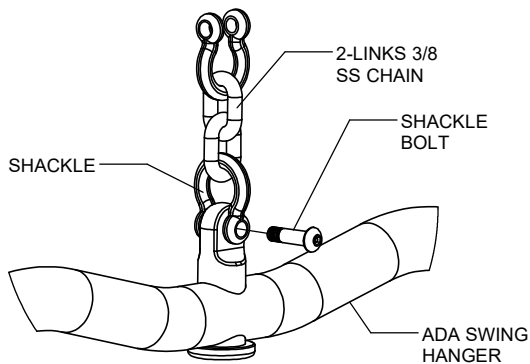


Figure 1.6

Step 9

Attach Dual Swivel Shackle to ADA Swing Hanger as shown in Figure 1.6. (See Notes A)

Step 10

Attach ADA Swing Hanger to UltraZip Trolley as shown in Figure 1.7. (See Notes A)

Step 11

Fully tighten all fasteners according to the "TIGHTENING TORQUE FOR HARDWARE" section of the Installation Manual.

Step 12

Place required protective surfacing under and around UltraZip Inclusive Seat Assembly. (See Note D)

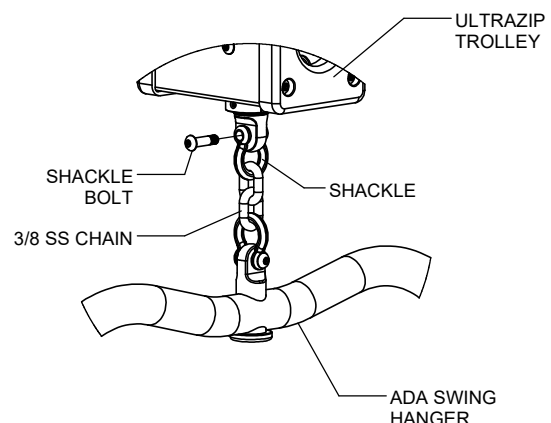


Figure 1.7

ULTRAZIP - INCLUSIVE SEAT INSTALLATION INSTRUCTIONS

1445-INC
Page 6 of 6

Parts List

Part #	DESCRIPTION	QTY
FS-1445-SH	UltraZip ADA Swing Hanger	1
HE-0015-2	2 LINK 3/8" LINK STAINLESS CHAIN	1
451161-SS	Swing Shackle - Stainless Steel	2
471008	Shackle Pendulum With Bolts	2

Assembled Parts List

Part #	DESCRIPTION	QTY
BE-0642	Inclusive Swing Seat Strap Template	1
DE-0020	Inclusive Swing Seat	1
DE-0021	Inclusive Seat Harness	1
EE-0131-C	Inclusive Swing Seat Pivot Cap	2
EE-0131-S	Inclusive Swing Seat Pivot Spacer	6
EE-0132-C	Inclusive Swing Seat Latch Cap	1
EE-0132-HB	Inclusive Swing Seat Latch Back Housing	1
EE-0132-HF	Inclusive Swing Seat Latch Front Housing	1
EE-0132-HND	Inclusive Swing Seat Latch Handle	1
EE-0132-L	Inclusive Swing Seat Latch	1
EE-0132-S	Inclusive Swing Seat Latch Spacer	1
HE-0008-17	17-Link Galvanized Chain	2
HE-0008-27	27-Link Galvanized Chain	2
HE-0008-3	3-Link Galvanized Chain	2
HE-0054	Inclusive Swing Seat Strap	1
451161-SS	Swing Shackle - Stainless Steel	2
453212	Roll Pin 1/8" x 1-1/4"	2
564003	3/8" O.D. x 1-1/2" Long Compression Spring	1
581201	1-5/16" O.D. x 7/8" I.D. Rubber Washer	2
581385	3/8" x 4-3/4" Threaded Stud	2
9101072-TR	Bolt Button Head 1/4" x 1-1/2"	2
9163012	U-Bolt 3/8" x 1/2"	4
9211052-TR	1/4-20 x 1" Flat Head Screw SS	2
9211072-TR	1/4-20 x 1-1/2" Flat Head Screw SS	1
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	10
9345002	Washer Flat SAE 1/2"	2
9413002	Nut Lock 3/8"	10
9443022-TR	Nut Barrel 3/8" x 5/8" BH	2
9491202	1/4-20 Round Top Square Nut	1
9643160	Strap Toggle 3/8"-16	2

Specifications

INCLUSIVE SWING SEAT & HARNESS:

Shall be constructed of UV-stabilized, rotationally molded, linear, low density polyethylene with an average wall thickness of .250".

PIVOT CAP, PIVOT SPACER, LATCH CAP, LATCH HOUSING, LATCH HANDLE, LATCH, LATCH SPACER, VENT PLUG:

Shall be made from high density 3/4" sheet plastic specially formulated for optimum UV stability and color retention.

ULTRAZIP ADA SWING HANGER :

Shall be fabricated using Ø 1.660" O.D. steel tubing and AISI 1018 stainless steel and will have a multi-stage baked-on powder coat finish.

CHAIN:

Shall be 7mm (1/4") PC Grade 30 chain with a silver shield cold galvanized finish and or 316L 3/8" Stainless Steel.

HARDWARE:

Shall be stainless steel, zinc/nickel plated or galvanized as required to resist rust and corrosion.

Maintenance

Periodically tighten all screws, bolts and nuts. A periodic inspection of all parts is necessary. If a part is broken or worn, replace immediately. For general maintenance please refer to our Playground Maintenance Manual.



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Rev C
4/25/2024