

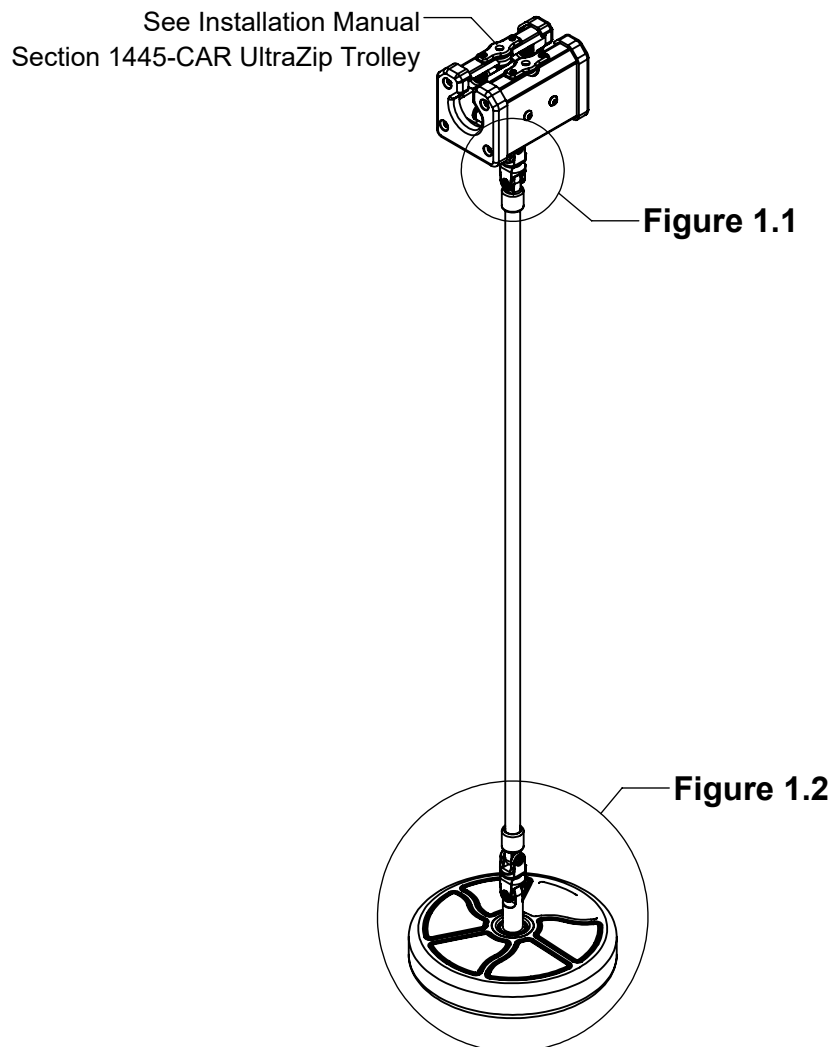
## IMPORTANT NOTES: Read First

(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) Refer to Installation Manual for 1445-CAR UltraZip Trolley installation instructions.

(C) All Ultrazip components and hardware should be inspected on a weekly schedule. Part number 451155, Dual Swivel Shackle including attaching hardware, should be replaced on an annual schedule or when excessive wear is present.

**FIGURE 1**  
UltraZip - Standard Seat



### Step 1 (Factory Assembled)

Assemble UltraZip Trolley as described in 1445-CAR UltraZip Trolley installation instructions. (See Note B)

### Step 2 (Factory Assembled)

Press Sleeve Bearings into Rope and Seat Ferrules as shown in Figures 2 and 3.

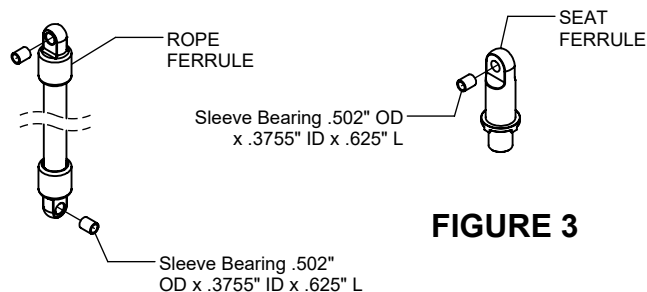


FIGURE 3

FIGURE 2

### Step 3 (Factory Assembled)

Attach Rope to Carriage Ferrule as shown in Figure 1.1. (See Note A)

**Note:** All Ultrazip components and hardware should be inspected on a weekly schedule. Part number 451155, Dual Swivel Shackle including attaching hardware, should be replaced on an annual schedule or when excessive wear is present.

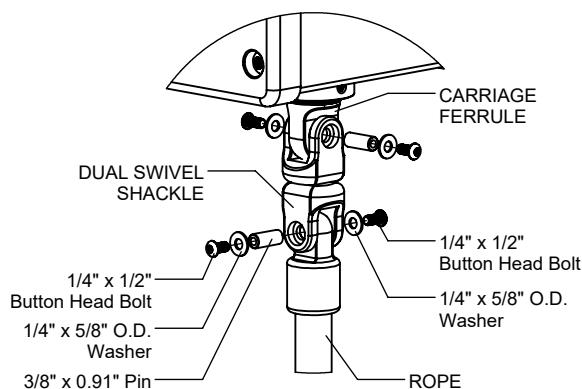


Figure 1.1

### Step 4 (Factory Assembled)

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

**Note:** All Ultrazip components and hardware should be inspected on a weekly schedule. Part number 451155, Dual Swivel Shackle including attaching hardware, should be replaced on an annual schedule or when excessive wear is present.

### Step 5

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

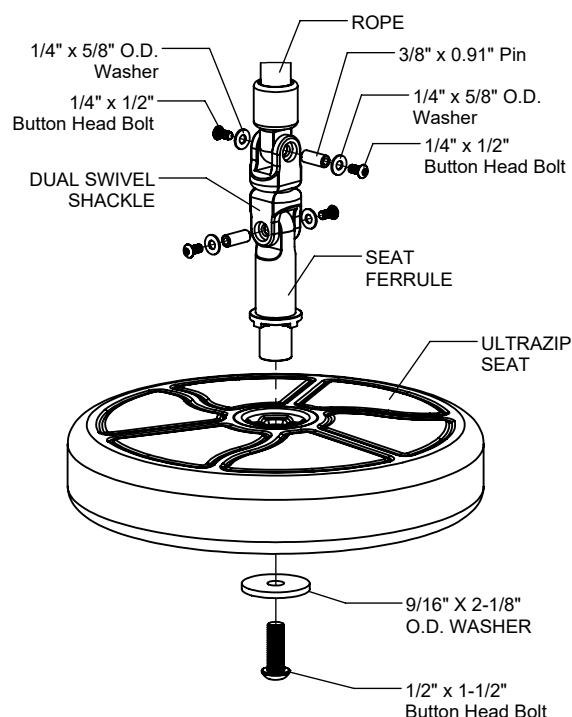


Figure 1.2

# ULTRAZIP - STANDARD SEAT INSTALLATION INSTRUCTIONS

**1445-SEAT**  
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## Parts List

Part #	DESCRIPTION	QTY
AE-0453	2-1/8" Dia. Pipe Plug - 9/16" Hole	1
DE-0064	UltraZip Seat	1
HE-0129	UltraZip Seat Rope	1
IE-0075	UltraZip Seat Ferrule	1
IE-0136-SP	3/8" x 0.91" x 1/4-20 Swivel Pin	4
451155	Dual Swivel Shackle	2
562038	Sleeve Bearing .502" OD x .3755" ID x .625" L	3
9101012-TR	Bolt Button Head 1/4" x 1/2"	8
9105072	Bolt Button Head 1/2" x 1-1/2"	1
9331002	1/4" x 5/8" x .051 Washer	8

## Specifications

### PIPE PLUG:

Shall be precision cut from 3/16" thick sheet steel and will have a multi-stage baked-on powder coat finish.

### ULTRAZIP SEAT:

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

### ULTRAZIP SEAT ROPE:

Shall be made from 24mm steel-reinforced rope with high-strength copolymer plastic intersection connectors and machined aluminum end ferrules.

### ULTRAZIP SEAT FERRULE & SWIVEL PIN:

Shall be machined from stainless steel.

### HARDWARE:

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

## Inspection

All Ultrazip components and hardware should be inspected on a weekly schedule. Part number 451155, Dual Swivel Shackle including attaching hardware, should be replaced on an annual schedule or when excessive wear is present.

## 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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