



**If you discover damaged or missing parts, please contact Shuttle Systems  
support@shuttlesystems.com | 1-800-334-5633 9am-5pm Pacific Time**

## Important Note:

PDF versions of these instructions are available at:  
<http://shuttlesystems.com/pages/faq>

Assembly of the Shuttle Ultimate is easier with two people.

Keep in mind that the following images pertain to just one of the two available Shuttle Ultimate models, your parts may appear slightly different than those in the included images but, the required steps remain the same.

If there is any shipping damage please take a photo of the damage and email to [support@shuttlesystems.com](mailto:support@shuttlesystems.com) or call **(800)334-5633**.

### Tools Needed:

7/16 inch socket or combination wrench  
1/2 inch socket or combination wrench  
Allen wrench (provided in Parts Bag)



Socket Wrench Set



Typical combination wrench set

# ULTIMATE INSTALLATION

*The Shuttle Ultimate will come in three boxes*

## 1. Carriage

- Carriage

## 2. Ultimate Rail System

- Ultimate Rails
- Stand-End Support Bar
- Stand-End A (Range of Motion Sticker)
- Stand-End B (no sticker)
- Towers
- Tower Crossbar

## 3. Kickplate Structure

- Kickplate Structure
- Carriage Lockdown Slider
- Hyperextension Stop
- Sliderbars
- Kickplate
- Headrest
- Parts Bags (#1 Rails, #2 Stand-Ends, #3 Towers)

**STEP 1**

**ATTACH STAND-END SUPPORT BAR TO STAND-ENDS (A & B)**

ITEMS  
REQUIRED

STAND-END  
SUPPORT  
BAR

STAND ENDS  
(A & B)

PARTS BAG

1. Prop one Stand-End and slide the bolts from the Support Bar into the vertical slot of the Stand End. The Shuttle Ultimate sticker on the Support Bar should be facing upward. Stand-Ends should lean in towards each other and complement the angle of the support. Allow the Support Bar to rest on the inside block to ensure proper angle and fit. (Pic 1.1)
2. When the Support Bar is resting on the block and the bolts protrude through the Stand-End, use a washer and nut from the Parts Bag to tightly secure the Support Bar to the Stand-End. After the nuts and bolts are fastened for both Stand-Ends, slide the black nut caps over the exposed nuts. (Pic 1.2)



1.1



1.2

**STEP 2****ATTACHING ULTIMATE RAILS TO STAND ENDS**ITEMS  
REQUIREDULTIMATE  
RAILS

STAND ENDS

PARTS BAG

1. Place Ultimate Rail system onto Stand-Ends, by allowing the protruding bolts to drop through openings on the Stand-End. Ultimate Rails should be oriented so that the end pictures on the left (foot-end) should fit over Stand-End B.
2. Secure the 4 rail bolts to the Stand-End using the washers and nuts from Parts Bag. (Pic 2.1)



2.1

**STEP 3**

**MOUNTING THE KICKPLATE STRUCTURE TO THE ULTIMATE RAIL SYSTEM**

**ITEMS  
REQUIRED**

SLIDERBARS

KICKPLATE  
STRUCTURE

ULTIMATE  
RAIL SYSTEM

1. Attach Fiberglass Sliderbars to the Kickplate Structure. The necessary hardware is loosely attached to the attachment points on the Kickplate Structure. (Pic 3.1)
2. Remove the hardware and position the Sliderbar so that it is perpendicular to the Kickplate Structure. Align the holes and insert bolts from the outsider of the Kickplate Structure. Tightly secure the nuts so that the Sliderbar is immobile. (Pic 3.2)
3. Insert Sliderbars into the end of the Ultimate Rails (over Stand-End B). To do this, rotate Sliderbar lever counterclockwise to loosen the metal plate from the fiberglass. Carefully insert the structure making sure that the fiberglass is on the inside of the Ultimate Rail Structure while the metal plate is on the outside. (Pic 3.3)
4. Once structure is inserted, drop the pins (pictured) into the desired holes and rotate Sliderbar levers clockwise so that the Kickplate Structure is snug. (Pic 3.4)



3.1



3.2



3.3



3.4

## STEP 4

## SLIDE CARRIAGE INTO ULTIMATE RAIL SYSTEM

### ITEMS REQUIRED

### CARRIAGE

### ULTIMATE RAIL SYSTEM

1. To insert the carriage, first remove the bumpers from the A-Side of the Ultimate Rail System. Use your fingers to rotate bumpers counterclockwise until they are removed. (Pic 4.1)
2. Insert the wheels of the Carriage into the Rail System and slide the Carriage until it makes contact with the end. (Pic 4.2)
3. Slide red rope into the rope lock, to limit the range of motion of the Carriage. Attach bumpers to the Rail System. (Pic 4.3)



4.1



4.2



4.3

**STEP 5**

**ATTACH KICKPLATE TO KICKPLATE STRUCTURE**

ITEMS  
REQUIRED  
  
KICKPLATE  
  
KICKPLATE  
STRUCTURE

1. Remove metal plate and knobs from Kickplate. Push the Kickplate block through the vertical slot of the Kickplate Structure and reattach the plate and knobs to the other side. Tighten knobs by rotating clockwise on the threaded bolts. (Pic 5.1)



5.1

## STEP 6

## ATTACHING ACCESSORIES

### ITEMS REQUIRED

CARRIAGE  
LOCKDOWN  
SLIDER

HYPEREXTEN-  
SION STOP

1. Insert Carriage Lockdown Slider. First, loosen the knob by turning counterclockwise so that the disk separates from the fiberglass. Then insert into the Rail System so that the sticker is in the upright position. Make sure that the fiberglass slides along the inside of the rail while the disk and knob slide on the outside of the rail. When the slider is in the desired position, rotate the knob clockwise until it is securely fastened. (Pic 6.1)
2. Insert the Hyperextension Stop into the rail system. (Pic 6.2)



6.1



6.2

Finally, you have one of the greatest machines on earth....

Well, at least we'd like to think so - and many of our owners agree.  
Therefore, enjoy it!

Leave us a review on our website!

Please visit us at:  
[www.ShuttleSystems.com](http://www.ShuttleSystems.com)  
1-800-334-5633



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