

# **IMPORTANT - READ CAREFULLY - RETAIN FOR FUTURE REFERENCE**

Montana Woodworks, Inc.

## **Assembly Instructions for Twin Bunk over Full Futon**

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Before beginning assembly, please take a few moments to carefully read the instructions, familiarize yourself with the components and understand each step of the process. Likewise, please ensure that the hardware package contains the items as described below.

Tools Needed: 1/2" & 9/16" Wrench/Socket, Hammer, Screw Driver

Parts List: (2) Headboard/Footboard Assemblies. Note: The headboard and footboard are interchangeable; each has a built in ladder. The terms headboard and footboard are used for clarity purposes only.

(4) Side Rails with End Brackets Only, (2) Side Rails with Full Length Steel "L" Channels and End Brackets, (2) Futon Cross Rails, (1) Futon Seat Frame, (1) Futon Back Frame, (2) Futon Hinge Brackets

Hardware List: (24) 2 1/2" Lag Bolts, (36) Washers, (24) Lag Shield Inserts, (4) 3" Lag Bolts, (4) 4" Lag Bolts, (8) 2" Bolts, (8) 5/16" Nuts, (8) Slat Support Screws

**CAUTION: We strongly recommend you have an assistant to help during the assembly process.**

Assembly Instructions:

**Step 1.** Layout all parts in a large, well lit area.

**Step 2.** Insert a lag shield insert into each of the 24 pre-drilled holes, using a hammer to tap them in until fully flush with the wood. Be careful not to mar the wooden surface with the hammer.

**Step 3.** Place one washer onto each of the 2 1/2" lag bolts.

**Step 4.** Stand the headboard and footboard upright, separated by the distance of the included side rails. Support them so that they do not fall over.

**Step 5.** With the help of an assistant, align ***upper bunk side rail featuring the attached full length, steel "L" channel and end brackets*** so that the top hole in the end bracket mounting flange aligns with the fifth hole down from the top of the wooden headboard post.

**Step 6.** Insert a 2 1/2" lag bolt and washer through the mounting flange and into the corresponding hole on the headboard. ***Tighten approximately 30% of the way but do not fully tighten bolt at this time***

**Step 7.** Insert a 2 1/2" lag bolt and washer through the mounting flange and into the corresponding hole on the footboard. ***Again, do not tighten fully at this time.***

**Step 8.** Repeat steps 5-7 for the opposite side. ***Again, do not tighten fully at this time.***

**Step 9.** Insert a lag bolt and washer into the remaining four holes for the side rails attached in steps 5-8. ***Again, do not tighten fully at this time.***

**Step 10.** Lay a mattress support slat system on the rails with the full length steel "L" channel installed in steps 5-8 with the webbing UPWARDS.

**Step 11.** Place the slats of the mattress support system so that the ***slats align with the pre-drilled holes*** in the steel "L" channel.

**Step 12.** Secure mattress support system using the included screws, inserting screws from the bottom side and tighten fully.

**SEE REVERSE SIDE FOR IMPORTANT WARNINGS!**

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**WARNING:** The manufacturer recommends a maximum mattress height of 8 inches for the top bunk. Mattresses thicker than 8 inches may create an unsafe condition resulting in injury.

**Step 13.** Insert futon cross rails, flat side up, between headboard/footboard, putting tenons into corresponding pre-drilled 2” holes in headboard and footboard. It may require some pressure to get both ends fully seated.

**Step 14.** Secure futon cross rails by inserting 4” lag bolts with washers into holes drilled on the outside of the headboard and footboard. Tighten lag bolts approximately half way but do not fully tighten at this time.

**Step 15.** Attach the four upper bunk bed side rails with 2 1/2” lags and washers. Do not tighten fully at this time.

**Step 16.** Mount futon hinge brackets into pre-drilled holes on lowest cross member of both the headboard and footboard using 3” lag bolts.

**Step 17.** Attach futon seat and back by:

A. Insert 2” bolts into pre-drilled holes in metal seat and back frames.

B. Place seat on hinge bracket, lining up bolts.

Note: Seat Frame has the handles on it to assist in movement of the frame.

C. Place washer and nut on each bolt and finger tighten.

D. Repeat steps B & C for futon frame back.

**Step 18.** Once all futon parts are installed and properly aligned, *fully tighten all lag bolts and bolts installed in steps 14-17 using wrench or socket and the supplied hex wrench.*

**Step 19.** Fully tighten all bolts installed in steps 6-9 at this time.

**Step 20.** Lay futon frame flat by lifting up seat and pulling outward. Back frame will recline and seat frame will lay flat.

**Step 21.** Place futon mattress onto futon frame. Mattress may be flipped or rotated as necessary to avoid uneven wear.

Note: Manufacturer recommends the purchase of an accessory futon mattress cover to best protect your investment.

## WARNINGS:

1. “Children can become trapped between the bed and the wall. To avoid risk of serious injury the distance between the top safety barrier and the wall shall not exceed 3 inches or 75 mm or shall be more than 9 inches or 230mm.”

2. “Children can strangle in items such as ropes, strings, cords, harnesses or belts attached to or hung on a bunk bed.”

3. “Bunk beds are not suitable for children under six years of age due to risk of injury from falls.”

4. “Bunk bed should not be used if any structural part is broken or missing.”

5. “The manufacturer recommends a maximum mattress height of 8 inches for the top bunk. Mattresses thicker than 8 inches may create an unsafe condition resulting in injury.”

These instructions and warnings comply with the U.S. and E.U. standards.

Reference EN-747-1:2000 and EN-747-2:2000

PLEASE NOTE: If you purchased your item “ready to finish” special care must be taken to properly apply a high grade final finish in a timely manner. Doing so will help protect your purchase from discoloration and damage caused by exposure to ultra-violet light. See use and care instructions for further information. Failure to adequately protect item by application and as needed, re-application of a final finish may void warranty.