

MONTANA WOODWORKS™ Inc.

SWING ASSEMBLY INSTRUCTIONS

*The following instructions may be augmented with the assembly video found at our website, www.montanawoodworks.com

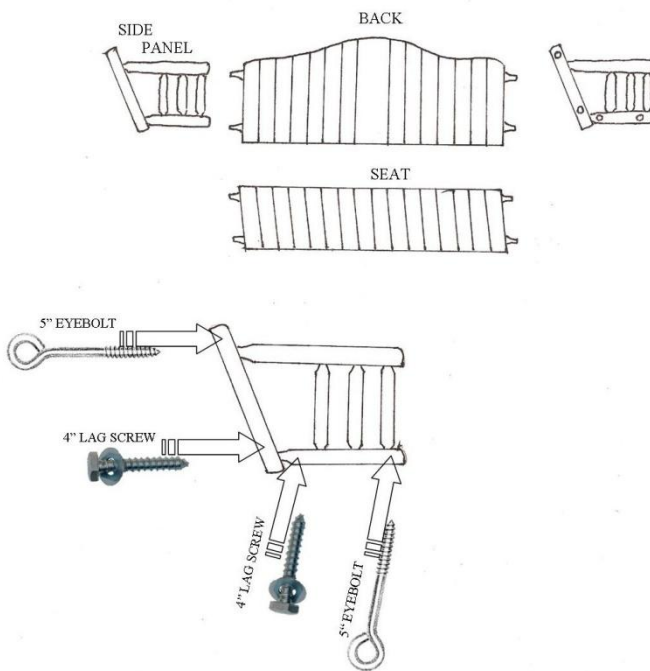
Tools Required: 1/2" and 9/16" wrench (open end, socket or impact drill), tape measure, drill and 3/16" drill bit, carpenters square, rubber mallet or hammer and board. (If you do not have a rubber mallet, use a hammer and board, placing the board between the hammer and swing to avoid leaving marks on the swing.)

Parts List: (2) side panels, (1) back, (1) seat, (1) header-72" long, (4) swing legs 84" long, (2) cross braces 40" long, (4) half log braces 26" long

Hardware List: (16) 4" lag bolts, (4) 5" eye bolts, (2) 6" hex head bolts, (2) hex head nuts, (20) washers, (2) long chains, (2) short chains (8) "S" hooks

Assembly of the Swing:

1. Lay one side panel on the floor with the holes facing upward.
2. Insert the two swing seat tenons into the two holes on the short, straight log of the side panel.
3. Insert the two swing back tenons into the two holes on the longer, angled log of the side panel.
4. Repeat steps 2&3 for other side panel.
5. Insert lag bolts with washers, and eye bolts per diagram below.



Assembly of the Swing Legs:

1. Lay out the four legs and the two side braces into two, "A" shapes.
2. Insert the two side braces into the holes in the legs.
3. Attach each side brace with a 4" lag bolt and washer. Tighten halfway with a 9/16" wrench.
4. Insert the end of the header into the notched opening at the top of the swing legs. Ensure eye bolts are turned toward the bottom of the legs, or the large end of the "A" shaped triangle.
5. Secure the header and swing legs with the 6" hex bolt, washers and nut. Tighten halfway with a 1/2" wrench.
6. Repeat steps 3 through 5 for the other leg assembly.
7. With the help of an assistant, stand the swing leg assembly upright and carefully spread the legs of the assembly so it balances.
8. Completely tighten the 4" lags in the side braces.
9. Using a carpenter's square, ensure the legs are perpendicular to the header (or at a 90 degree angle). Completely tighten the 6" bolt

Attaching the Half Log Braces:

1. Using a tape measure or yardstick, measure 14 1/2" in from the end of the header and mark the location. This is where the top end of the half log brace will be secured.
2. Pre-drill a 3/16" hole approximately two inches deep and horizontal to the ground at the location you marked in step #1 above.
3. Attach the half log brace to the header, inserting a 4" lag bolt and washer through the brace into the predrilled hole. Tighten halfway.
4. Move the lower end of the half log brace left and right until the factory drilled hole is centered over the leg of the swing. Make another mark at this location and repeat steps 2&3 above to pre-drill and secure this end of the half log brace.
5. Repeat steps 1-4 to attach the remaining three half log braces.

Hanging the Swing:

1. Separate the two different lengths of chain and the "S" shaped hooks.
2. Count eight links from the end of one of the long chains and insert an "S" hook into the 8th link. Attach the other end of this "S" hook from one of the eye bolts on the underside of the header.
3. Count forty links from the bottom of the long chain and insert an "S" hook into the 40th link.
4. Attach one end of the short chain to the remaining end of the "S" hook you inserted in step 3 above.
5. Insert an "S" hook into the remaining end of the short chain.
6. Count nine links from the bottom of the long chain and insert an "S" hook into the 9th link.
7. Now it's time to attach one end of the swing assembly that was put together earlier. Insert the remaining end of the "S" hook that is hanging from the 9th link at the bottom of the long chain into the eye bolt on the front end of the swing assembly.
8. Insert the remaining end of the middle "S" hook (the one that is hanging from the end of the short chain) to the eye bolt on the swing back (or top) of the swing assembly.
9. Repeat steps # 2 through # 8 to hang the other side of the swing assembly.

Adjust the height and balance of the swing assembly by moving the "S" hooks one link at a time to suite your needs.

Enjoy your new swing, it is now fully assembled.

PROUDLY MADE IN THE U.S.A.

*Pine requires a good sealant. We recommend two coats of exterior grade varnish being applied per the manufacturers directions. The swing may be stained prior to varnishing.