

Devincy Box

Kit Inventory

- Front, Back and two (2) End Inner Box Panels
- Outer Panel (base)
- Front, Back, Left and Right Outer Box Panels
- Inner Panel (top) and Outer Panel (top)
- Top Spacer (front) and Bottom Spacer (front)
- Top Spacer (back) and Bottom Spacer (back)
- Top Spacer (left) and Bottom Spacer (left)
- Top Spacer (right) and Bottom Spacer (right)
- Two (2) Inner Slider (front) and Two (2) Inner Slider (back)
- Two (2) Inner Wheel (front) and Two (2) Inner Wheel (back)
- Inner Slider (left) and Inner Slider (right)
- Inner Wheel (left) and Inner Wheel (right)
- Two (2) Outer Wheel (front) and Two (2) Outer Wheel (back)
- Outer Wheel (left) and Outer Wheel (right)
- Front Edge L1 (top), Two (2) Back Edge L1 (top) and Two (2) Side Edge L1 (top)
- Front Edge L2 (top), Back Edge L2 (top) and Four (4) End Edge L2 (top)
- Four (4) Corner Piece (top)
- Middle Sliding Piece (top)
- Inner Wheel (top)
- Two (2) End Tongue L2 (top) and Two (2) End Sliding (top)
- Outer Wheel (top) and Two (2) Outer Slider (top)
- 6 ½" discs with three holes
- 2 Top Moving Slider pieces
- 7 Wheel Covers
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- Black (.280") alignment pegs (20+)
- Orange (.150") alignment pegs (4+)
- Red (.400") alignment pegs (xx+)

Other Items Needed

- Glue – I use a “craft” type tacky glue such as “Aleenes Tacky Glue” which can be found at craft stores like Michael’s.
- Sandpaper - to smooth any rough edges and make parts slide easier.
- Wax/paraffin – also to make parts slide better.

General Notes:

- This puzzle is assembled with the writing on the plywood pieces facing out. When the outer layer pieces are glued on the writing on those pieces faces inwards.
- The alignment pegs are of different lengths depending upon the number of layers that are being placed together. Be careful to use the correct length. The pegs are easier to push through the holes if you start them on the side of the piece that has writing.
- Check the fit before gluing and sand/file any pieces that do not slide smoothly
- I find that light sanding of the faces of sliding pieces makes for better boxes. I also use paraffin/candle wax on the surfaces to get smoothly moving pieces.
- I use Aleene's tacky glue for gluing parts. I glue the pieces and then hold them together for ~15 seconds and they will stay in place until the glue dries.
- Be careful when attaching outer sides, spacers and covers to keep glue away from areas where it might squeeze out underneath and get on any of the sliding parts. If possible glue those parts without the sliding pieces in place so you can clean up any glue squeeze out.
- Clean up glue squeeze out while the glue is still soft as it is much harder after it dries.
- When sanding flat sides it is better to place the sheet of sandpaper on a flat surface and move the puzzle piece over the sandpaper. This keeps the face flat and prevents rounding over the edges.
- If tabs seem too fat to fit in slots then sand them with a couple of passes of 100 grit sandpaper on each side of the tabbed piece.
- If tabbed pieces do not seat fully in the pocket areas, then sand the ends of the tabs .

Assemble Inner Box

Start by gluing the front, left, back, right and inner panels together. Use the base pieces to align the box sides by putting the tabs on the bottom of the front and back sides in the cutouts of the base. Do not glue the base, just use it to align the box sides until the glue is dry.



After the glue is dry sand the four sides of the box with 100 grit sandpaper to remove any ridges and make it smooth for any sliding pieces.

Add Spacer Pieces

Using the black (.280") pegs, glue the top and bottom spacer pieces to all four sides of the box.



Add the 1/8" pegs to all four of the sides.

The Middle Section included with the kit..

