

Step 1: Gather Materials

MATERIAL	DIMENSIONS	SUPPLIER	AMOUNT
Solid Cherry	¾"	Lumber Yard	
screws	1 ½" (#8 or #10)	Home Depot	Min 20
screws	½" (#8)	Home Depot	Min 9
Lift up and forward hinges	6.8" base length 9.6" height 9" top length	Home Depot	amazon link Min 6
Wood Glue		Idea Forge & ITLL	
Levelers	1 pack (4-8)	Amazon	amazon link
Sand paper	Different gradients as preferred	Idea Forge & ITLL	
Wood Stain	Color of Preference	Home Depot / Amazon	
Final Coat	Polyurethane	Home Depot / Amazon	
All machines		Idea Forge & ITLL	

Step 2: The Top

- Cut 2 boards 7 ¼" x 12" (sides)
- Cut 1 board 11 ¼" x 16 ½" (bottom)
- Cut 1 board 7 ¼" x 16 ½" (back)
- Cut 1 board 12" x 18" (top)
- Sand all wood (2-3 times depending on wood condition and preference)

- Follow “Open Drawer Connection” drawing to create the top section
 - *Drawings to not have GD&T (geometric dimensioning and tolerancing)
 - It is your job to note what’s important and where measurements should start. Keep track of what you decide, this will be part of your presentation to show the importance of GD&T and what to look for in drawings

Step 3: Leg Supports (optional)

- Cut leg supports
- Sand all material before installing together
- Screw supports into the base of the top section
- Follow “Leg Support Drawing” for installation
 - Keep note of issues with tolerances and measurements

Step 4: Legs and Stringers

- Cut legs and stringers
- Sand all materials (2-3 times depending on wood condition and preference)
- Attach leg #1 to top section
- Place stringer A into hole in leg
- Place leg #2 into stringer A and attach to base
- Continue with the stringer B and leg #3
- Continue with stringer C and leg #4
- Follow “Legs and Stringers Drawings” for installation clarification

Step 5: Attached Moveable Top Lid

- Follow instructions on hinge packaging

Step 6: Finish: Final Sanding, (optional) Wood Stain, and Clear Coat

- Final Sanding
- Solid Cherry (1-2 times depending on desired result)
- Polyurethane clear coat

Step 7: Add Furniture Levelers as needed

- Follow direction of packet of levelers (recessed and surface mounted options available)
- Other tools needed: allen key, drill bit, forstner bit. See levelers directions for sizes. All found in Idea Forge and ITLL
- Other furniture levelers optional. The ones presented in the materials list are not mandatory