Module 3B
Assembling Inner Drawers

Office Use: 03B-V1.0

Before You Begin
Read the General Assembly & Fitting Guidance.

It is a useful introduction to the Fittingly Code - our innovative labelling system and provides a general overview of the assembly order.

You Will Need

✓ An electric screwdriver
✓ A Philips head screwdriver
✓ The screws, glue and other hardware supplied with your order
✓ A copy of your Design Map
✓ An extra pair of hands

Preparation

✓ Clear a space big enough to work, in the same room that your new creation will live.
✓ Handle pieces with care to avoid damaging any panels.
✓ Keep all supplied hardware to hand.
✓ If your design is made of multiple units, assemble each one in turn. Don’t be tempted to work on more than one unit at a time.
✓ Always consider the safety of yourself and others. Make sure the appropriate fixings and securing methods for your circumstances are used.

Step 1 Identify the parts and group them by Unit Number

Select a unit to assemble from your Design Map and take note of its Unit Number. Use the Fittingly Code marked on each panel to put aside all the pieces belonging to that unit, so they’re all together and nearby.
Internal drawers are designed to sit within their own container, which itself sits inside the wardrobe.

First, identify the left and right sides of the container (N L/R).

Next, separate a metal drawer runner from its housing by pressing down on the small black lever and pulling the two components apart. Set aside the smaller metal plate for now.

**Note:** The drawer runners are pre-greased, so take care not to transfer grease onto clothing or the wooden panels.

Lay the required number of drawer runner housings (one for each drawer) onto the inside of the container side, so that the pre-drilled pilot holes line up with the holes in the housing. The **closed end of the housing should face the back** (identified by the routed channel for the backboard). With the holes lined up, the open end will protrude beyond the edge of the panel – this is normal.

Use 3 x 16mm screws to attach the housing to the container side. Simply slide the mechanism to reveal each hole in turn. **Use a handheld screwdriver here and be careful not to overtighten. Do not use an electric screwdriver.**

**IMPORTANT**

If your unit features ‘push-to-open’ drawers (i.e. no handles) it is necessary to **remove the black rubber stoppers** from the back of each of the runner housings. This is to aide the normal function of the push-piston, which encounters too much friction with the stoppers left in place. The stopper simply pulls off.

With one side completed – simply repeat for the other container side – until all runner housings are secured to both the left and right panels.

**Note:** If your design features split drawers (i.e. two columns of drawers within one container) – Runner housings are secured to both sides of a single central divider (N D) and share the same pre-drilled holes. The screws simply lock against one another as they are screwed into place.
STEP 3  Assemble the container

The container is built from the bottom-up. First, locate the container base (N B).

Insert six wooden dowels into the pre-drilled holes and tap them to full depth.

Next, push wooden dowels into the holes in the front edge of the two container sides (N L/R) – the panels to which you just attached runner housings.

Locate the two small container faces (N C) and push these onto the dowels in the front edge of the two container sides.

Next, push the left and right container sides (N L/R) onto the dowels in the container base (N B). Finally, slide the 6mm backboard into place in the routed channel.

Note: Runner housings not attached in these images.

IMPORTANT
If your design features split drawers (i.e. two columns of drawers within one container) – insert the inner drawer divider (N D) now using wooden dowels placed into the bottom and top of the divider. The divider should have runner housings attached to both sides, so take care to ensure it does not fall to either side owing to the weight – always enlist help holding it in place until the container support (N S) is in place in the next step.
Inner drawer containers feature a double layered top for additional strength, enabling the container to be used as a functional surface for storage and preventing the top from bowing under the weight of items placed on top.

First, insert six dowels into the pre-drilled holes in the top of the container sides (N L/R) and gently tap them to full depth.

Next, locate the inner drawer container support (N S) and place it on top of the dowels, before gently pushing down to settle it into place.

Finally, insert four metal pins into the pre-drilled holes in the top of the container support – onto which the container top (N T) sits.

The container top is designed to overhang the box.

Secure the container top into place using two 30mm screws into the pre-drilled pilot holes found in the underside of the container support.
The inner drawer container is complete and is designed to fit snugly inside the wardrobe carcass.

Simply push it into place, all the way to the back of the wardrobe unit. Secure it in place using 30mm screws, from inside the drawer container directly into the wardrobe carcass bottom. Pre-drilled pilot holes are not provided for this purpose, to enable you to place the fixings in a discreet place of your choosing.

**IMPORTANT**
If this wardrobe features a divider (D) to split the wardrobe into two sections – now is the time to put this into place. The divider (D) is designed to sit atop the inner drawer container. It should sit comfortably in the grooves in the wardrobe carcass top (C T) and the container top (N T) panels.

The divider needs to be held in position as the inner drawer container is pushed into place inside the wardrobe – Always enlist help to do this.
Assembling the individual drawers is simple. Identify the parts – the drawer sides (R L/R), back (K), front (F), base (B) and face (C).

Begin by attaching a drawer runner bracket (separated from its housing earlier) to the outside of every drawer side (R L/R), securing them with 2 or 3 (depending on drawer length) 16mm screws.

**IMPORTANT:** Ensure the open end of the bracket faces towards the back of the drawer. The pre-drilled pilot holes, along with awareness of the routed channel for the 6mm base, and appreciation of Left and Right will ensure you have the correct orientation.

Use a handheld screwdriver here and be careful not to overtighten. Do not use an electric screwdriver.

Next, it’s time to assemble the drawer box - to which the decorative drawer face (C) will be attached – consisting of two sides (left and right), one back (K), one front (F) and one 6mm base.

Attach one of the sides (R L/R) to the back (K) and front (F) panels – to form a “U” shape.

To do this, simply apply a spot of glue into the each of the dowel holes in the side before pushing a dowel in each – use a mallet to gently tap it to full depth.

Screw a cam dowel into the central (countersunk) hole.

Next, insert a cam into the circular holes in the back (K) and front (F) panels (ensuring the philips screwhead side faces outwards so it can be tightened) and the arrow on the cam is facing toward the outside of the hole.
Next, apply a small spot of glue into the receiving dowel holes, before simply pushing the three components together to form a “U” shape – ensuring the channel for the 6mm base lines up on all three sides. Tighten the cam gently using a screwdriver.

IMPORTANT
It is vitally necessary to carefully support the floating panels at a right-angle, to prevent them from collapsing either inside or outside – until the base is inserted. Ensure you enlist help to hold them in place.

Slide in the 6mm base (B) then attach the final side using the same dowel & cam dowel method as above.

Ensure glue is applied to all dowel holes and all cams are tightened.
STEP 7  Fit handles to the drawer faces (C)

Attach the supplied handles to the front of the drawer face (C) using the screws supplied with the handle itself.

**IMPORTANT – Push-to-Open Drawers Only**

If you have selected the push-to-open handle style, you will have been supplied with at least one piston, appropriate to your drawer size. The piston(s) are inserted into one of the pre-drilled holes present at the back of the drawer box, beneath the 6mm base. As standard, we recommend using the central hole for normal function of the push-to-open drawer. If the drawer does not function as expected, try the other holes and/or additional pistons.

For ‘push-to-open’ drawers, it is necessary to remove the black rubber stoppers from the back of each of the runner housings. This is to aide the normal function of the push-piston, which encounters too much friction with the stoppers left in place. The stopper simply pulls off.

**Note:** We offer many different types of handle. Some handles are supplied direct from the manufacturer with bolts designed to fit multiple thicknesses door. It may be necessary to snap bolts to size using pliers.
Fit the drawer face (C) to the drawer front (F)

The drawer face (C) is designed to sit flush to the drawer front (F) – providing a double-fronted drawer.

The larger pre-drilled holes in both the drawer front (F) and drawer face (C) ensure a perfect placement. Insert two metal support pins into the holes in either panel, and simply push the two panels together using the corresponding holes as a guide.

Secure the drawer front (F) and face (C) together using 30mm screws in the pre-drilled holes. Insert the top middle screw first, then the two either side.

**Note:** The face (C) should be secured to the front (F) from inside the drawer – to ensure the screwhead is not visible from the outside of the drawer.

**Important:** The lower pilot holes are located beneath the 6mm base. Simply use a handheld screwdriver if they are tricky to access.

Repeat for all other drawers.
With the carcass assembled (complete with attached drawer runners) and all individual drawers (complete with drawer runner brackets and handles) finished – it’s now time to push the drawers into the container and test they function correctly.

Begin with the bottom drawer – push it into the container ensuring the bracket engages with the drawer runners. Test the function of the drawer – it should open the full length of the drawer runner and close smoothly.

Repeat with all other drawers until each drawer is in place within the container. Test the function of each drawer and ensure that each one passes the other without contact.

**Note:** It is normal for the opening and closing mechanism to be slightly rough for the first few tries, until the mechanism falls in a normal smooth operation.

Pilot holes are programatically located to ensure the drawers function correctly. If your drawers do not function normally please revisit the assembly or get in touch for advice.