

Screen Printing Jig Assembly

The following information details how to assemble both a single arm & 4 arm screen printing jig ready for use.

Check screws & tighten if required

Each jig is hand made with all screws tightened using a set tension, however during shipping [and under high volume use] some screws may loosen slightly and require tightening to ensure the jigs alignment remains true.

Use a hand-held screwdriver, not a power drill, to check the 3 screws that hold the clamp to the arm in the arm and the 6 screws, which hold the arm base to the rotating board in the 4 arm jig [the arm to the base in the single arm jig].

Check pack contents



A 4 Arm Screen Printing Jig [SPJ-4SK] pack will contain the following pieces, as pictured left:

- ✓ 1 x Base with t-shirt board & rotating arm bolt preassembled
- ✓ 1 x Rotating arm spindle
- ✓ 1 x Rotating arm attachment knob
- ✓ 4 x Arms
- ✓ 4 x Arm attachment bolts
- ✓ 4 x arm attachment washers
- ✓ 4 x Arm attachment knobs
- ✓ 8 x Arm clamp screws with knobs

NB: Jigs may be supplied part assembled with some components already in place i.e. arm clamp screws inserted or rotating arm spindle attached to base.

A Single Arm Screen Printing Jig [SPJ-SK] pack will contain the following pieces, as pictured right:

- ✓ 1 x Base with t-shirt board & arm base preassembled
- ✓ 1 x Arm
- ✓ 1 x Arm attachment bolts
- ✓ 1 x arm attachment washers
- ✓ 1 x Arm attachment knobs
- ✓ 2 x Arm clamp screws with knobs



Important Note

Jigs differ in operation between models and functions - this information is designed for the NEHOC Single & 4 Arm Screen Printing Jigs. If your jig does not have adjustable arms, a rotating base or other functions then you may be required to move your item to a different location on the board before fine tuning any registration in the arm [this applies when using Jig Hinges].

Assembly Instructions

Step 1



This step is only required for 4 arm jigs - single arm jigs proceed to step 2 on next page.

a) Place the Rotating board onto the base so as the screw slides up through the hole in the base



b) Place the Rotating arm attachment knob on top of the bolt and tighten lightly

IMPORTANT

When using the jig in multi-colour operation this knob should NOT be tight, otherwise the rotating base is unable to rotate.

Step 2



Attach the arm as indicated below - the same process is used for single & 4 arm jigs.

a) Slide an arm attachment bolt through the guide with the head underneath

b) Place an arm over the bolt inside the guides as shown left

c) Place an arm attachment washer over the bolt on top of the arm

d) Place the arm attachment knob on top of the bolt and tighten down to the washer

Repeat the above process for all remaining arms when assembling a 4 arm jig.



Step 3

Place a clamp screw into the top of the clamp and turn clockwise to engage the thread and begin insertion into the clamp. Repeat for the other side.

Repeat the above process for all remaining arms when assembling a 4 arm jig.

HINT

Screw all the way down to fully engage the thread and clear any residue remaining from manufacture.

When screwing frames into the jig, use Jig Height Adjustors [or similar plastic] to cover the ends of the clamp screws and protect frames from compression caused by over tightening.



Arm Holder Function

Between prints the arms must be raised for a number of reasons, most importantly being so you can remove the print and place a new item. In addition this saves space and also enables faster printing by enabling you to keep the squeegee rested on the screen [standing upright against the clamp] so the ink remains in the frame.



4 Arm Screen Printing Jig

The jig contains an inbuilt feature to hold each arm up after printing, this is the Arm Holder Clip - pictured left.

After printing raise the arm and the clip will hold the arm up, when ready to print simply depress the clip to release the arm.

This feature ensures multiple screens are raised to reduce the space required when rotating the jig and also enables you to keep the squeegee within the frame between prints [rather than having to place on another surface and drip ink].

Single Arm Screen Printing Jig

The single arm jig also contains an inbuilt feature to hold each arm up after printing, this is the Arm Holder Bar, located on the left side of the arm.

As pictured right, after printing raise the arm and the bar will lower to hold against the base board. When ready to print simply pull the arm forward to release the arm.



Printing

The printing process is the same whether using a jig or simply holding a frame freehand. A jig however speeds the process by eliminating the process of removing the frame & squeegee [as they are now held for you].

For further information and a few tips on using jigs please see the FAQ on Screen Printing Jigs online in the Training Section of the NEHOC web site - www.nehoc.com.au/training/faq

There are also Training Sheets & FREE Online Video covering Screen Printing Technique, plus details on how to register single & multiple screens using the jig - www.nehoc.com.au/training