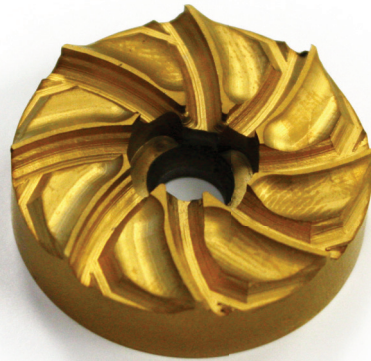


# futures.

FUTURES ONE-PASS INSTALLATION INSTRUCTIONS



# INCLUDED IN YOUR KIT:

## JIG PLATE



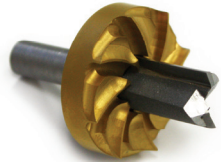
## LEASH PLUG ROUTER SLIDE

(RT0701C) or (3709 + WASHERS)

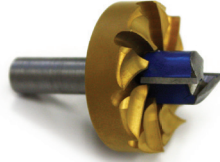


OR

## 3/4" ONE PASS BIT



## 1/2" ONE PASS BIT



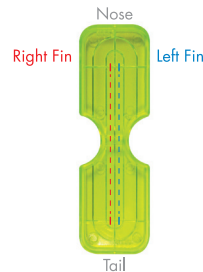
## TIMMY TOOL



## EVA SHIMS (x4)



## FIN MARK TARGET



## DUMMY FINS

- F6 - 6.5 degree cant (sides)  
- 0 degree cant (center)



- QUAD REAR - 3 degree cant



- SB1 - 4 degree cant



# ROUTER VS. ROUTER

(ONE PASS SYSTEM NOT COMPATIBLE WITH RYOBI ROUTER)

## MAKITA ROUTER RT0701C

(RT0700C INTL)

- Router slides for the RT0701 will be identified by a blue sticker.

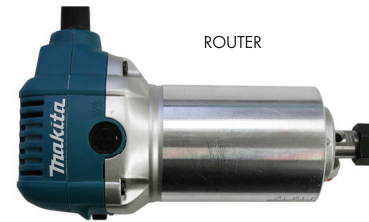
(SLIDE NOT COMPATIBLE WITH 3709. ROUTE DEPTH WILL BE OFF)



## ROUTER SLIDE

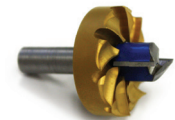
FITS MAKITA RT0701C - ILT

- Router RT0701 can be tightened directly to the bit.



ROUTER

ONE PASS BIT



## MAKITA ROUTER 3709

- Router slides for the 3709 will be identified by a red sticker.

(SLIDE NOT COMPATIBLE WITH RTO. ROUTE DEPTH WILL BE OFF)



## ROUTER SLIDE

FITS MAKITA 3709 - ILT

- Router 3709 requires three washers to be placed between the router and bit.



ROUTER

WASHERS (x3)

ONE PASS BIT

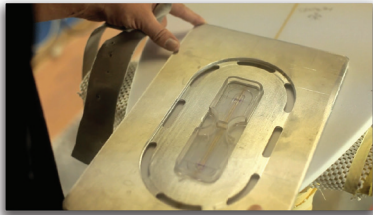


# ROUTING CENTER FIN BOXES (1/2")

- Place **1/2" One Pass Bit** within **Router**. Push the flange cutter against the nut of the router.
- While tightening, press the bit against an object that won't damage it.



- Place the **Jig Plate** and align the fin mark with the center of the **Target**.
- Use the **Timmy Tool** to ensure a level jig plate. Use **EVA Shims** if needed.



- Place the **Router Slide** on **Jig Plate**.
- Place the **Router** within the **Router Slide**.



- Turn **Router** on and take **1/8"** passes until reaching the correct depth.
- Blow off debris. Use a **Dummy Fin** and box to check the route for proper depth.

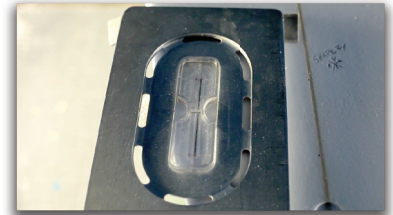


# ROUTING SIDE FIN BOXES (3/4")

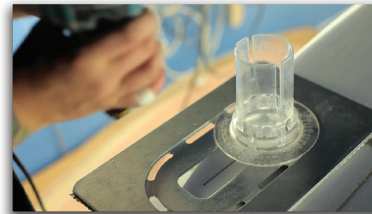
- Place **3/4" One Pass Bit** within **Router**. Push the flange cutter against the nut of the router. While tightening, press the bit against an object that won't damage it. Place the **Jig Plate** and align the fin mark with the **Target**.



- Use **EVA Shims** under the **Jig Plate** if needed. When routing a right fin, use the left hash marks of the **Target**. When routing a left fin, use the right hash marks.



- Place the **Router Slide** on **Jig Plate**.
- Place the **Router** within the **Router Slide**.

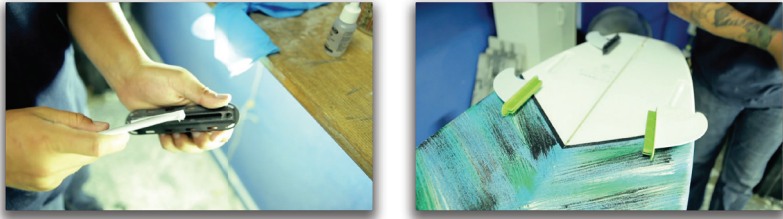


- Turn **Router** on and plunge until meeting the correct depth.
- Blow off debris. Use a **Dummy Fin** and box to check the route for proper depth.

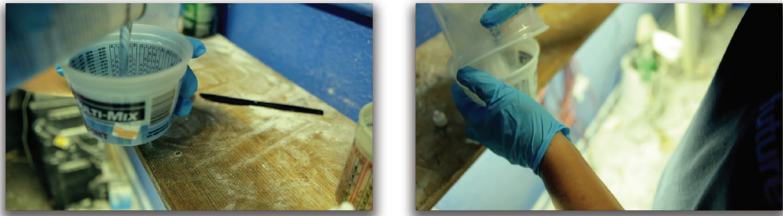


# SETTING

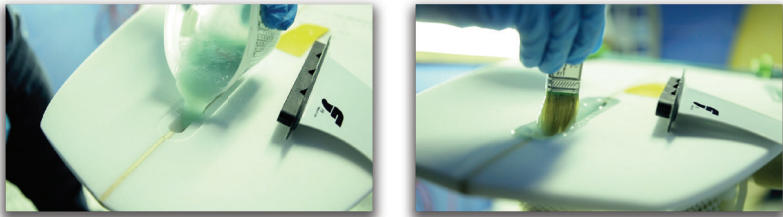
- Place board on rack, blow off all foam dust and debris out of box cavities. Place **Dummy Fins** in boxes and set them on board.



- Thoroughly mix laminating resin or epoxy resin with cabosil.



- Pour the resin inside the route. Use a paint brush to saturate the entire route.

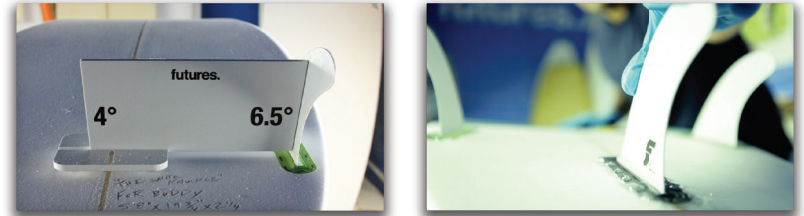


# SETTING

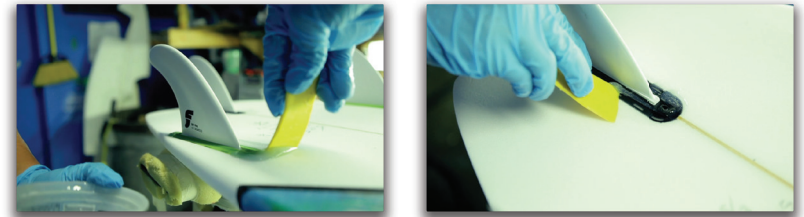
- Take box with **Dummy Fin** and press in into cavity. Small amounts of resin should squeeze through cells in flange of box.



- To measure cant, use a Fin Angle Jig to ensure the correct angle of the fin. Futures sides fins are at 6.5 degrees, center fins are at 0 and quad rears are at 3 degrees.



- Once cant is measured, use squeegee or small paint brush to remove excess resin from board.

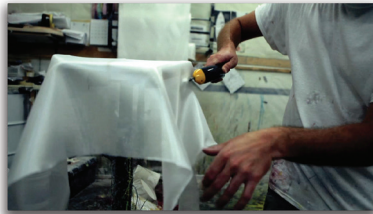


# LAMINATING

- Once fin boxes are set, remove **Dummy Fins**, and tape off boxes with 3/8" masking tape, ensuring fin screw hole and box cavity is sealed.



- Pull out fiberglass cloth and cut accordingly.



- Roll up the tail section of the fiberglass, exposing Futures boxes.

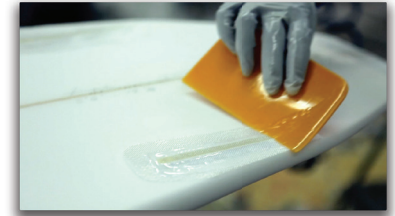


- Cut out football shaped patches to place over the top of the Futures boxes.

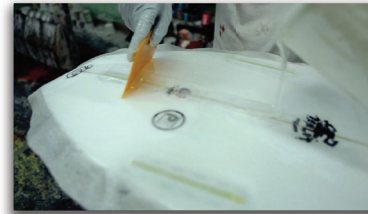


# LAMINATING

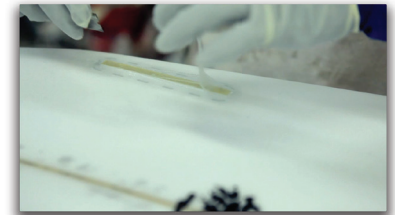
- Wet patches completely, ensuring that there is no visible air or dry spots in the cloth.



- Now laminate the board as one normally would.

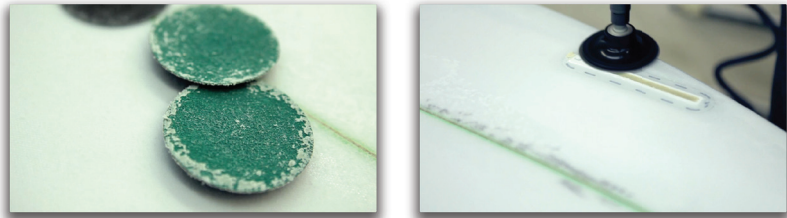


- Use a razor blade to cut off the top of the patches, releasing air from under the cloth.

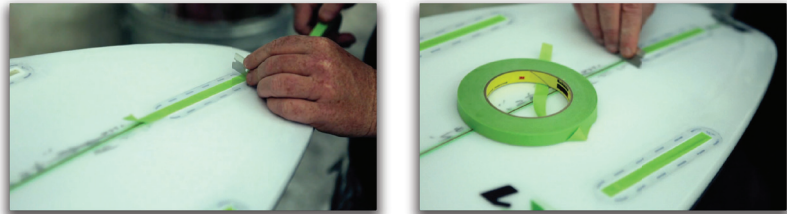


# HOT COATING

- Use grinding discs to grind the boxes flat. Grind out any visible air.



- Use 3/8" tape to seal the boxes. Use a razor blade to cut the tape. Press firmly down on the tape to ensure a tight seal.



- Tape off the board as you normally would, leaving an edge around the boxes if desired.



- The board is now ready for paste and hot coat



# SANDING

- Use a hard pad or grinding disc to ensure the boxes are completely flat. Do this without removing too much cloth. Sand the board as you normally would.



- Using compressed air, blow out any dust or tape left over after sanding.



- Use a Futures key and screw to insert all screws. Make sure each screw is flush in the box. After placing fin screws within the box, the Futures fin installation is complete.

