



Sonex Aircraft, LLC

PO Box 2521

Oshkosh, WI 54903-2521

(920) 231-8297

Fax: 920-426-8333

www.SonexAircraft.com

WING INSTALLATION INSTRUCTIONS

032706

Wing Installation Instructions

Step 1: Preparation: Lay wings on each side of the fuselage, Lubricate the root tangs with WD40, Remove Bottom Seat Cushion.



Step 2: With one person at the root and the other at the tip, pick up the wing panel.



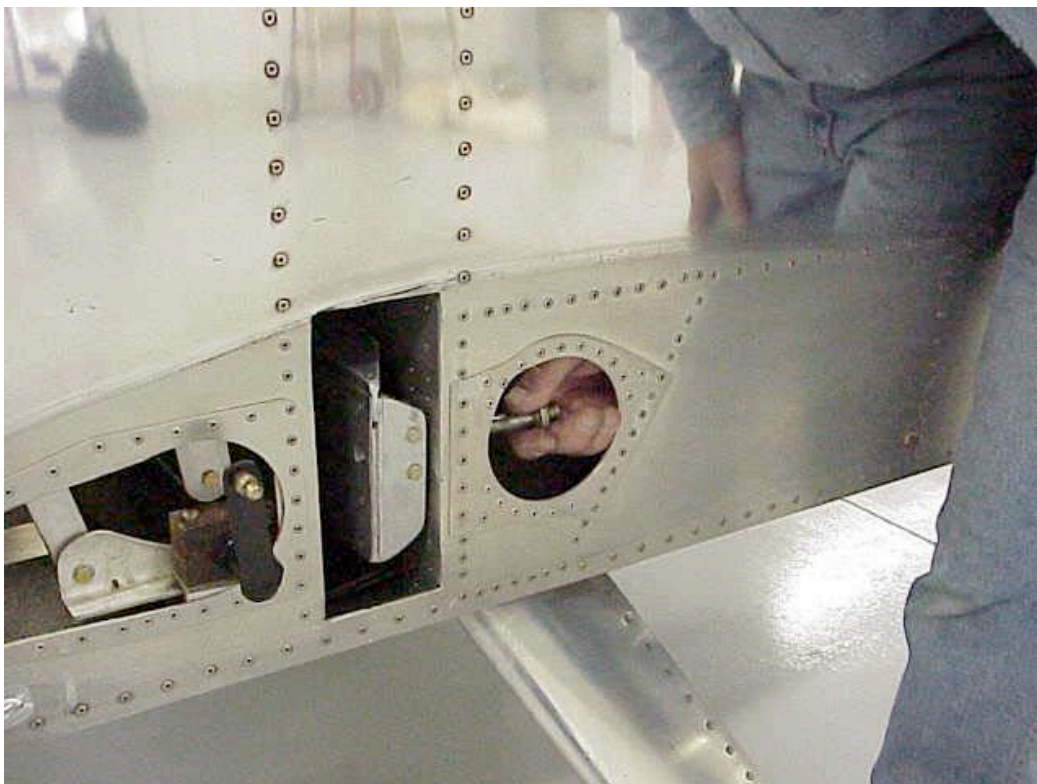
Step 3: Slide the right wing spar partially into the fuselage. Support the flap so the linkage does not jam. Check the pitot lines and aileron pushrod for proper position and then continue to push the wing into the spar box, carefully engaging the rear spar.

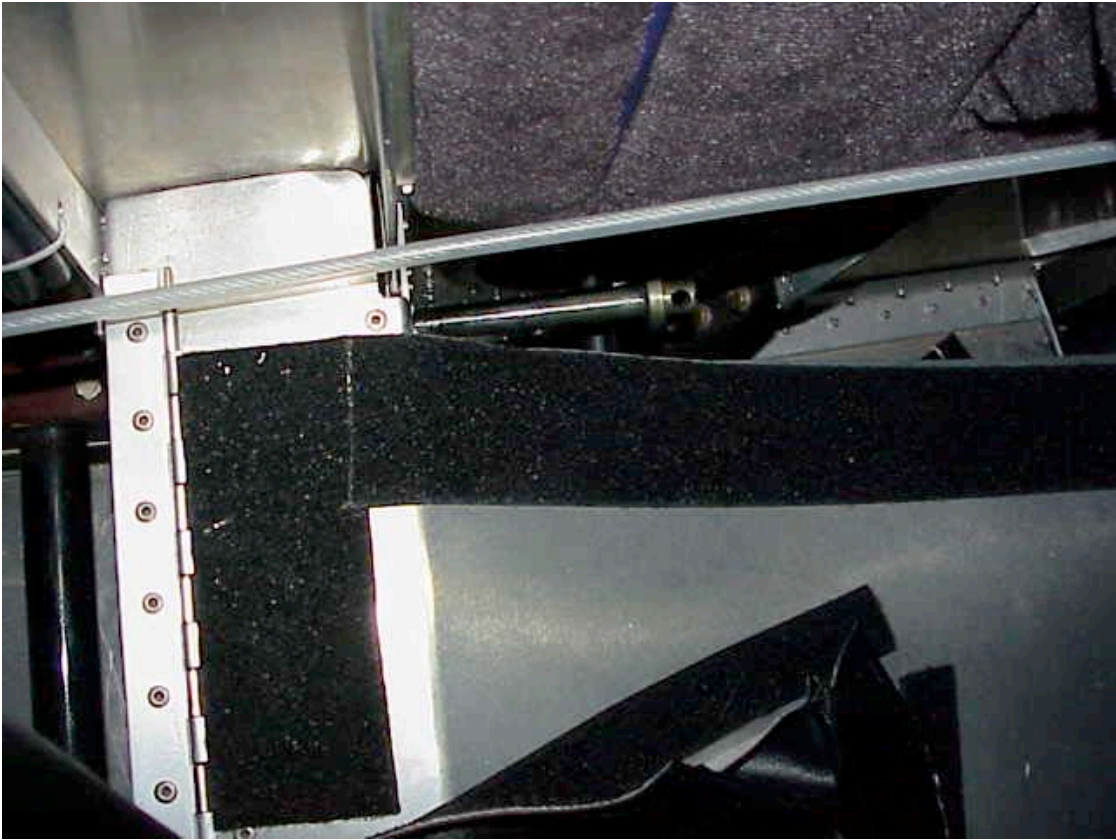


Step 4: While looking at the spar position in the left side of the spar tunnel, raise or lower the wingtip until the spar pin holes are aligned.



Step 5: Insert spar pins halfway into the right spar.





Step 6: Slide left wing partially into the spar tunnel.





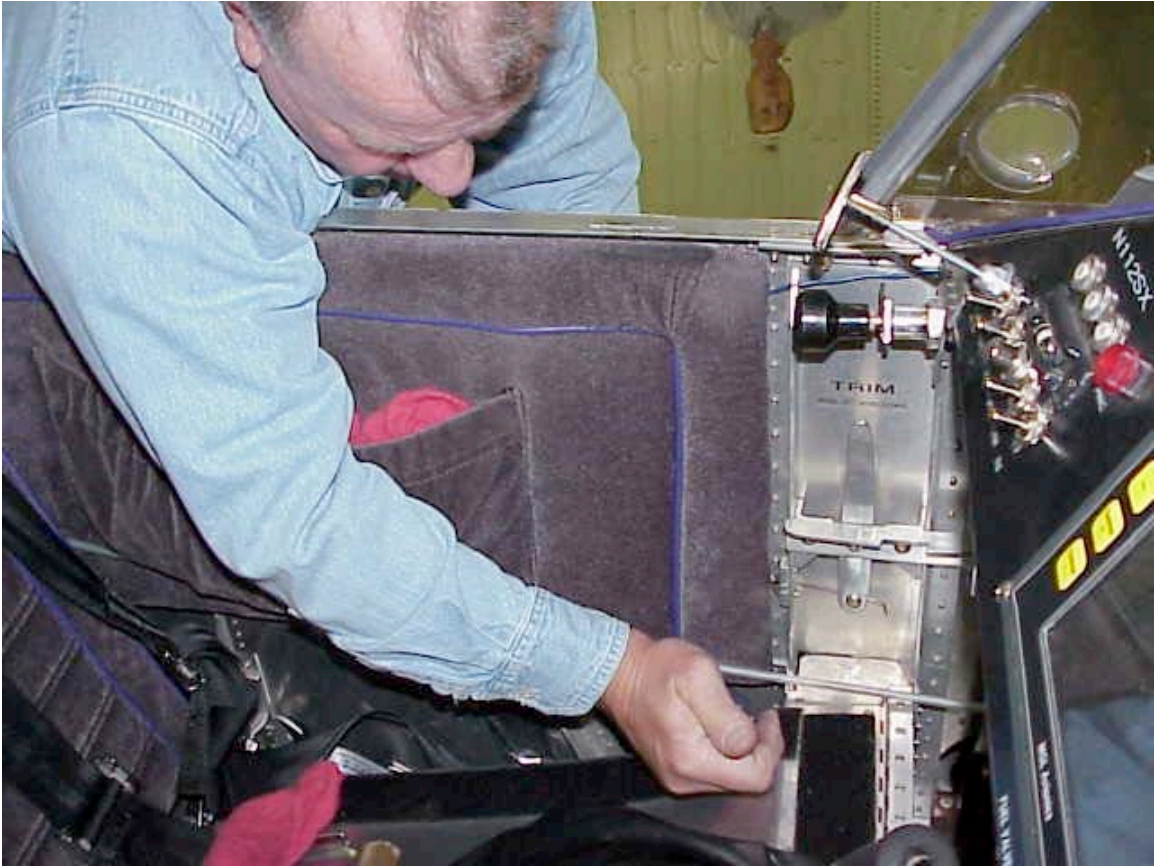
Step 7: Check the aileron pushrod for proper position and then continue to push the wing into the spar box, carefully engaging the rear spar.





Step 8: Push the spar pins into place.



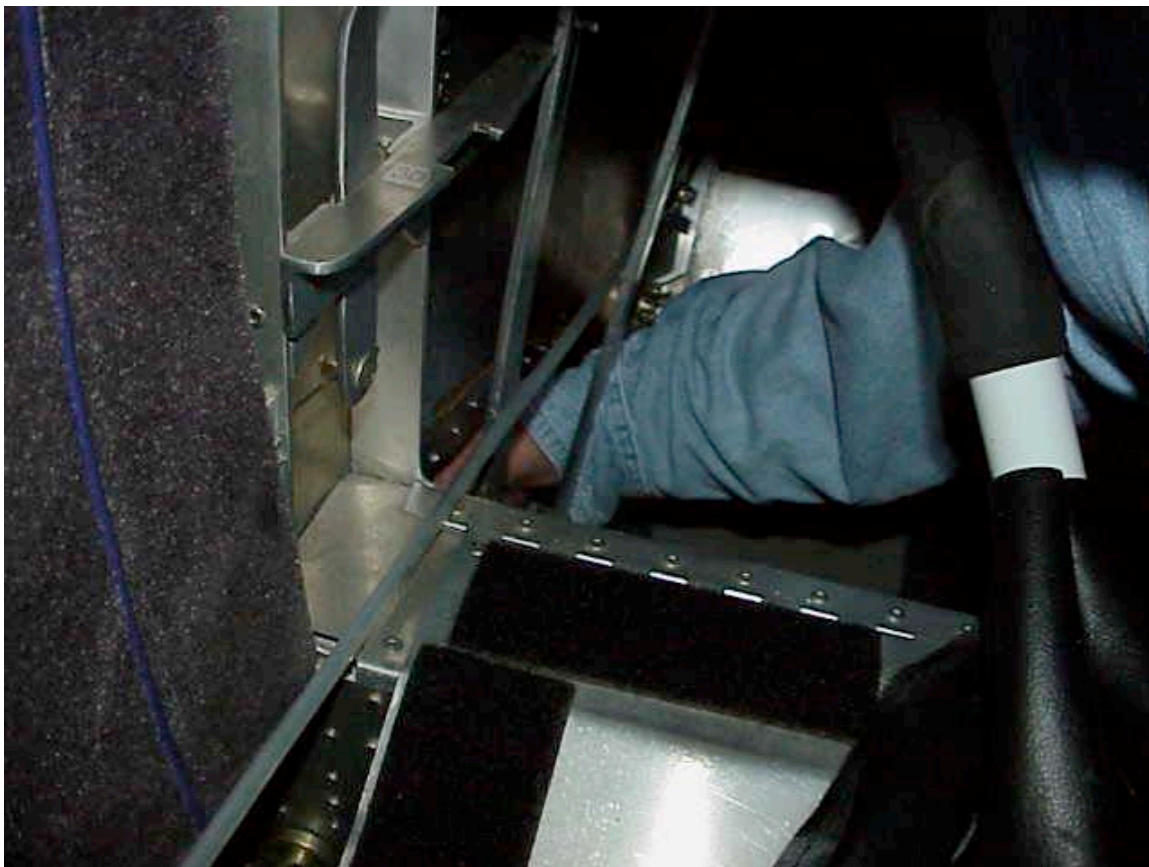


Step 9: Raise or lower the rear spar to align the holes and install the pins.



Step 10: Insert all four safety pins in the spar pins.

Step 11: With the flaps supported, connect and safety the flap pushrods.



Step 12: Attach the aileron pushrods.



Step 13: Connect the pitot lines at the wing root.



Step 14: Connect the pitot lines at the pitot tube and check for leaks.

Step 15: Install the pitot tube.



Step 16: Replace the control stick boots and Re-install Bottom Seat Cushion.



Step 17: Double check everything!



Wing Removal Procedure

Step 1: Remove pitot tube and put the screws in a bag.

Step 2: Disconnect the pitot lines at the wing root.

Step 3: Remove control stick boots and bottom seat cushion.

Step 4: Disconnect aileron pushrods from control stick horn.

Step 5: While Supporting Flap, Disconnect flap push rods.

Step 6: Remove hitch pin clips from all spar pins.

Step 7: Remove rear spar pins.

Step 8: With the left wingtip supported, pull the main spar pins halfway out (clear of one spar).

Step 9: Remove the left wing (one person on tip, one at root) and lay it on the ground.

Step 10: With the right wingtip supported, remove the spar pins.

Step 11: Being careful of the pitot tube, remove the right wing (one person on tip, one at root) and lay it on the ground.