



# Alexander Schleicher

## ASK13

1/2.8 (35.7%) scale RC

1 S t . B A T C H

FUSELAGE

P H O T O B U I L D I N G M A N U A L



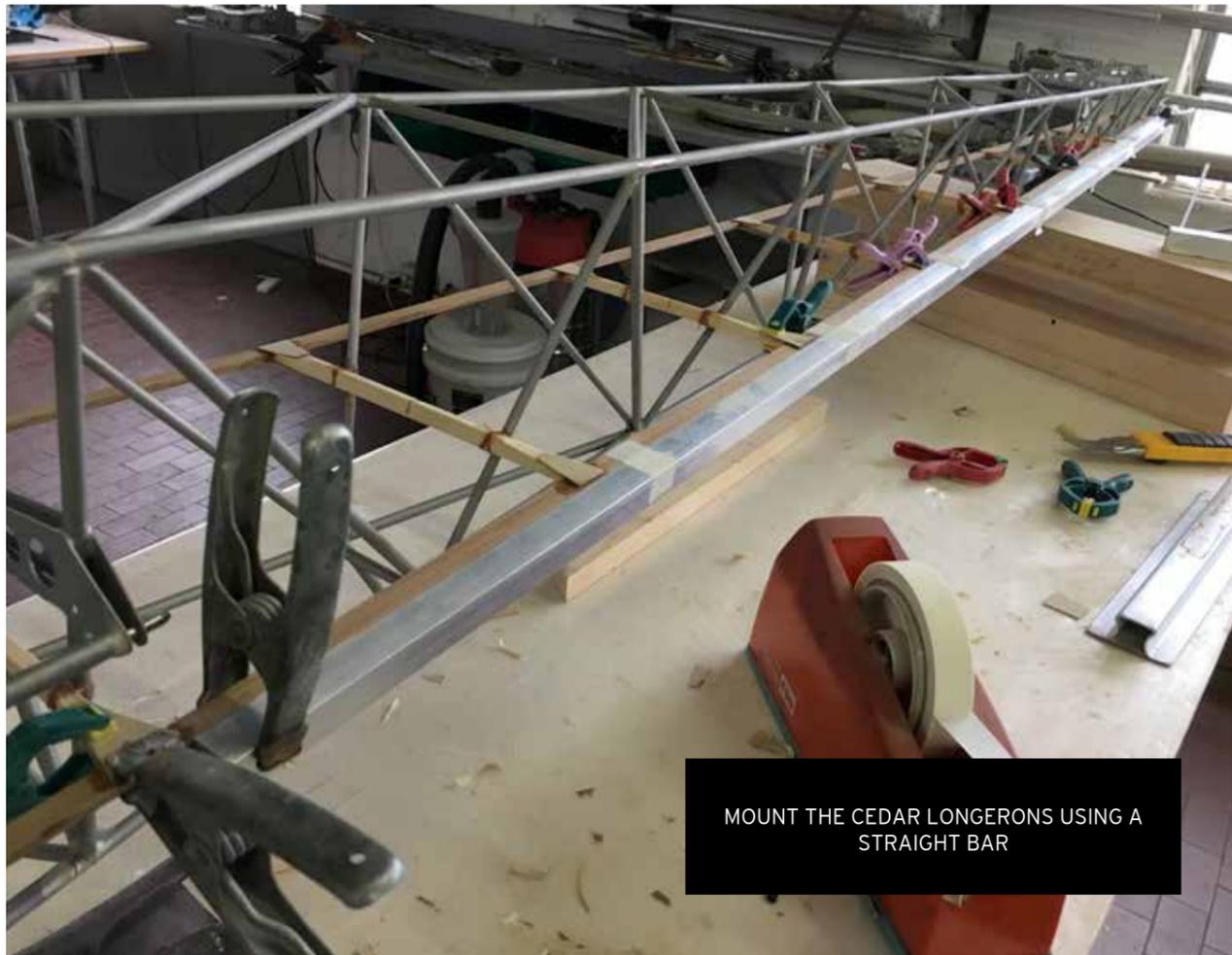
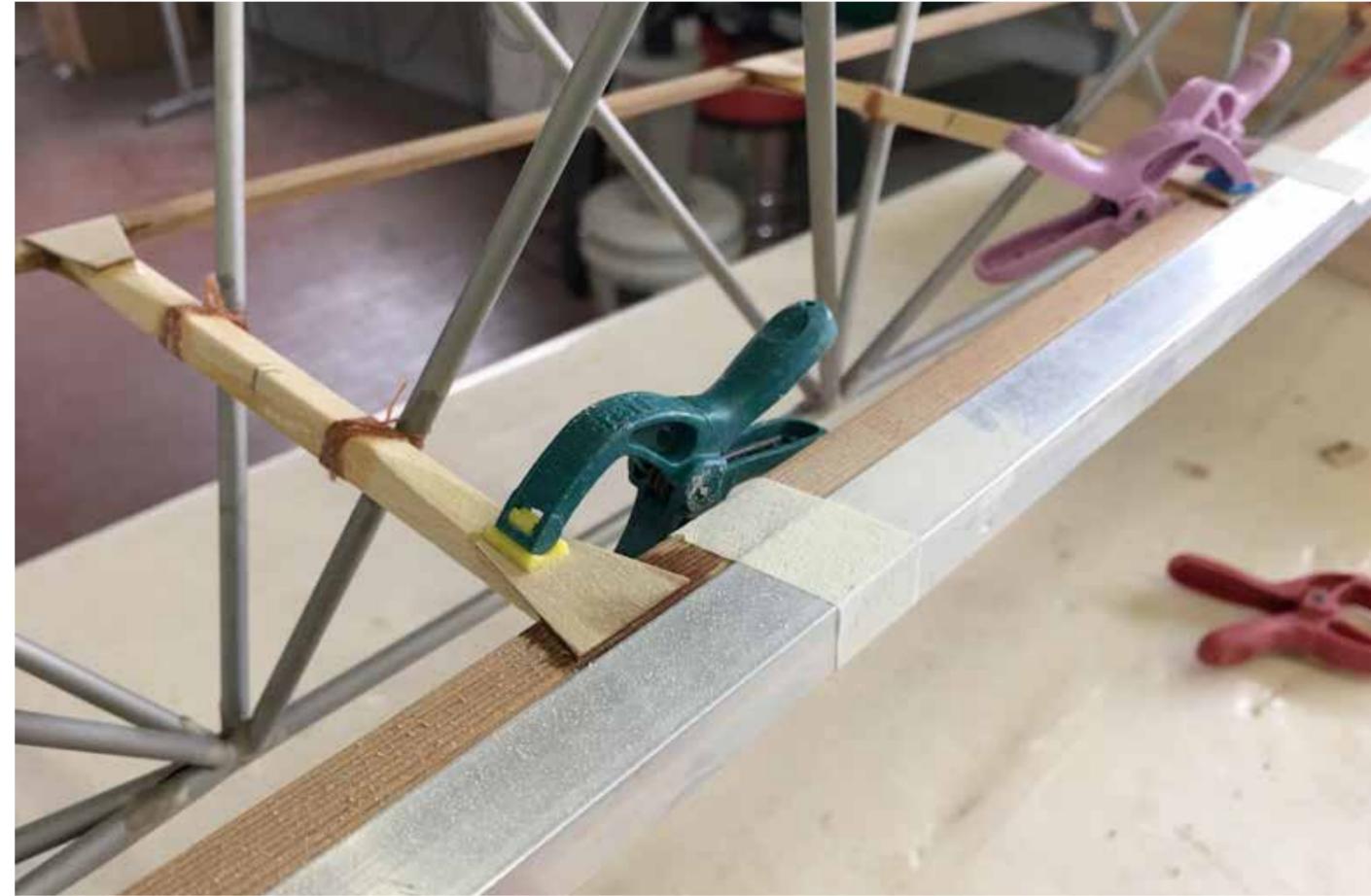


NOTE:

I BUILT MY PROTOTYPE TO RESEMBLE THE FULL-SIZE ASK 13 I-PLOQ IN THE ABOVE PHOTO, RESTORED IN ITALY.

THIS GLIDER HAS THE COCKPIT AREA COMPLETELY COVERED WITH PLYWOOD. I HAVE CHOSEN THIS VERSION TO HAVE A BETTER GRIP DURING TRANSPORTATION, BUT AFTER SOME TESTS, I NOW BELIEVE THAT THE ORIGINAL VERSION WITH THE PLYWOOD ONLY ON THE NOSE PORTION SHOULD BE BETTER. SEE DRAWING AND NOTES TO PAGE 62, 86 AND 94.

THE PICTURES ARE OF THE PROTOTYPE, PLEASE NOTE WE MADE SOME IMPROVEMENTS IN THE PRODUCTION VERSION.



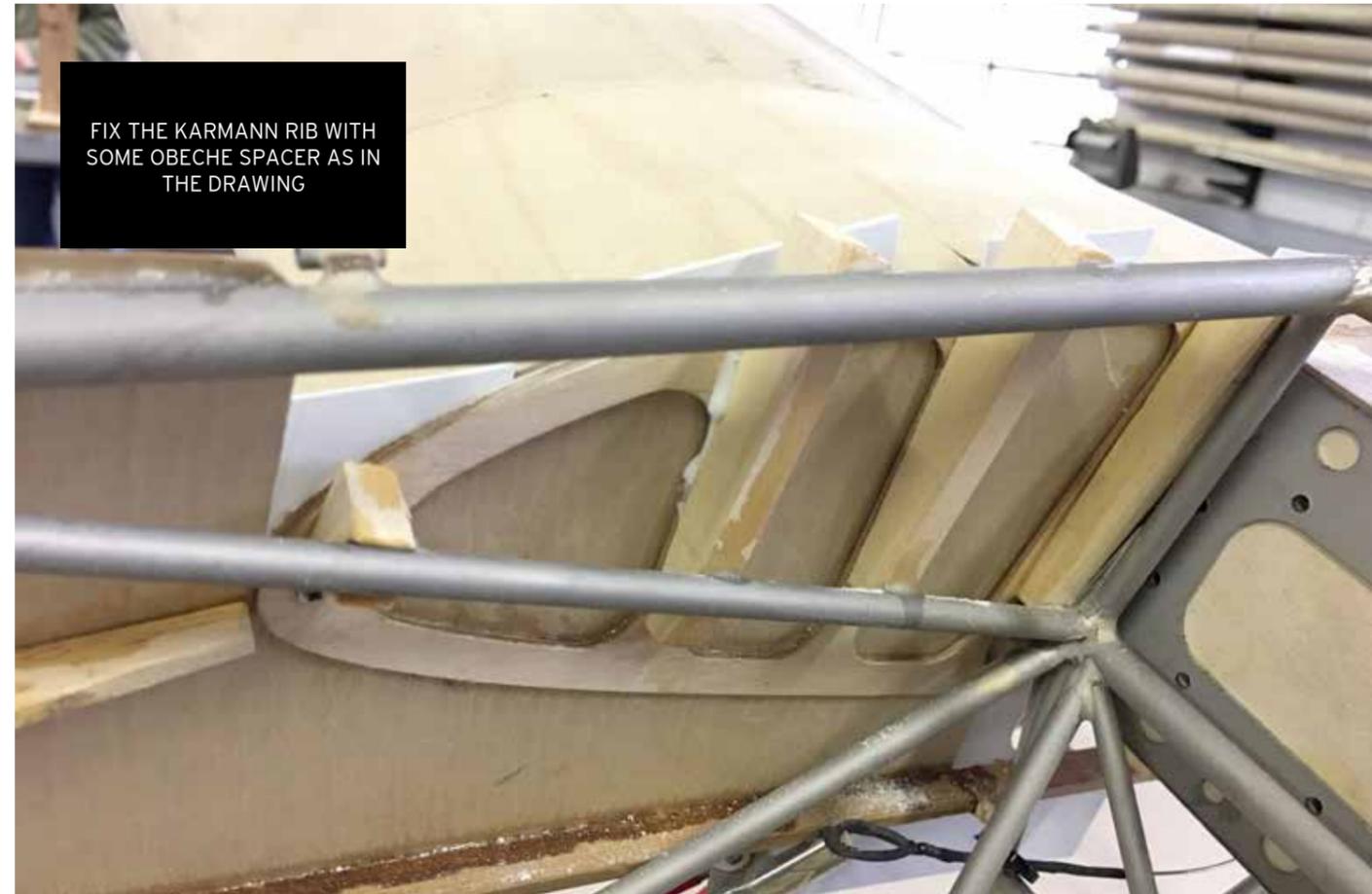
MOUNT THE CEDAR LONGERONS USING A STRAIGHT BAR



MOUNT THE WING...



FIX THE KARMANN RIB WITH  
SOME OBECHE SPACER AS IN  
THE DRAWING

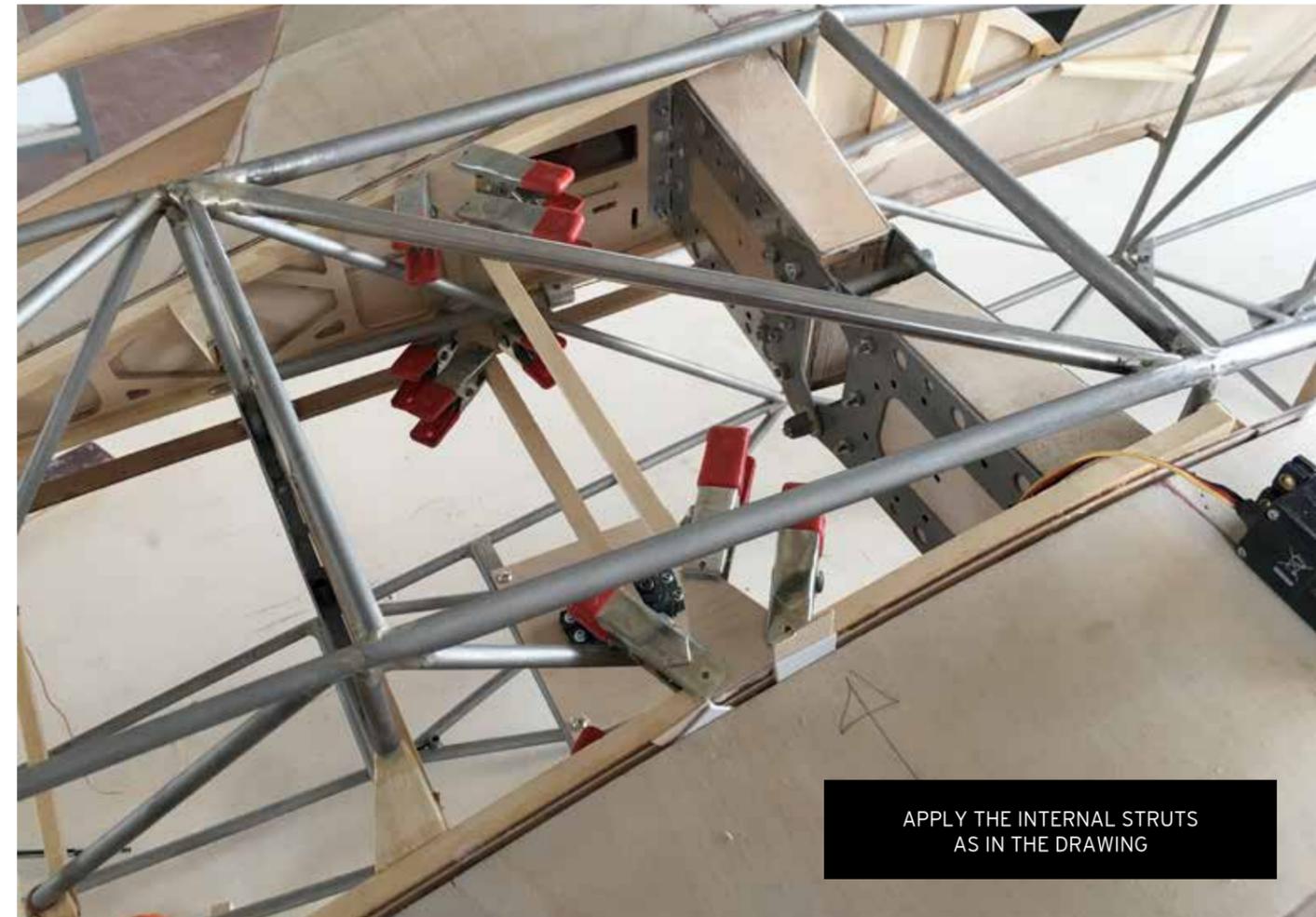


...WITH THE KARMAN RIBS  
TEMPORARY SCREWED ON  
THE RIB NR 1.  
PLACE SOME 1 MM SPACER



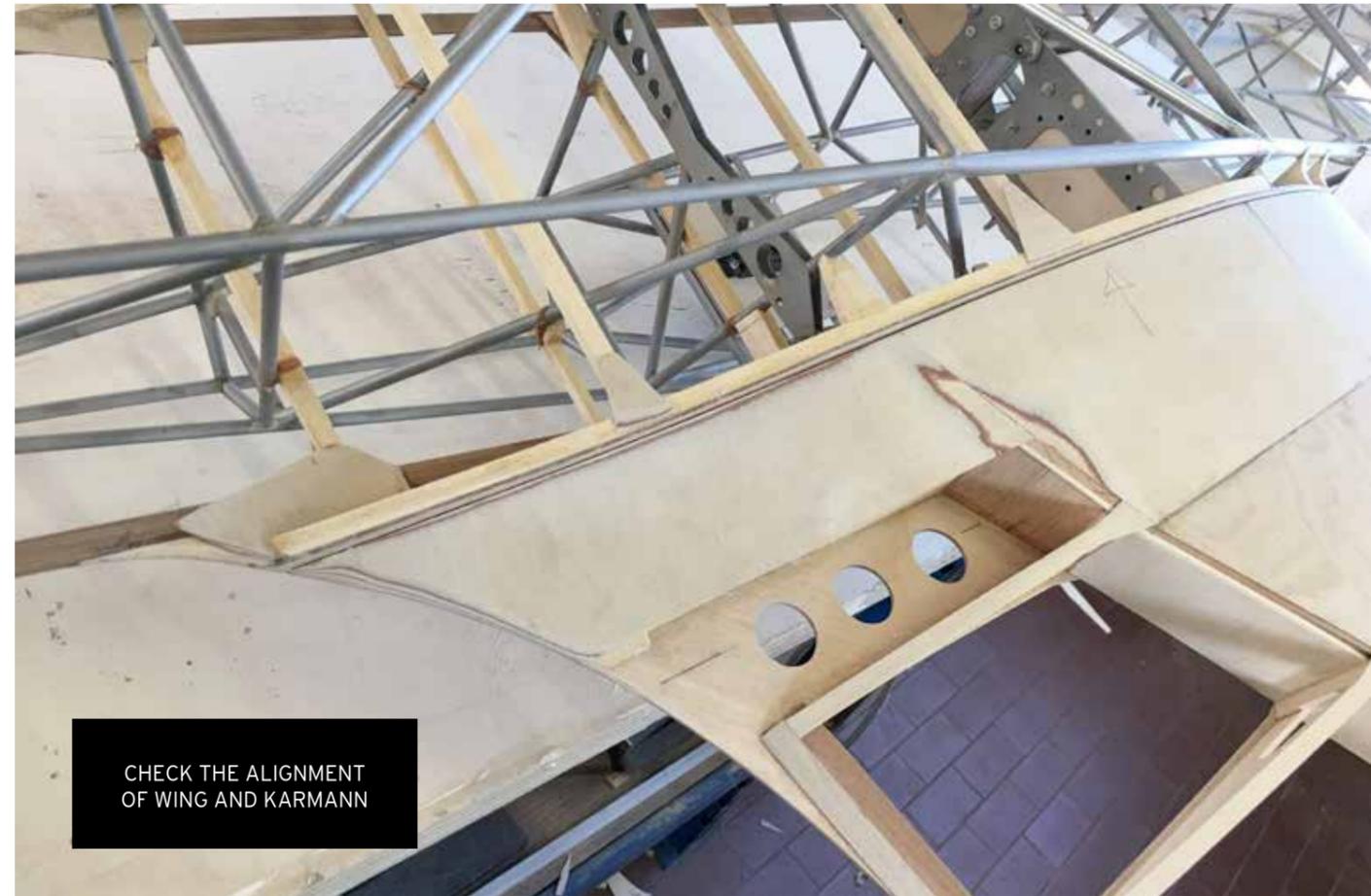
TO GLUE THE WOOD ON THE  
TUBES YOU CAN USE EPOXY  
OR BAKING SODA + CYANO







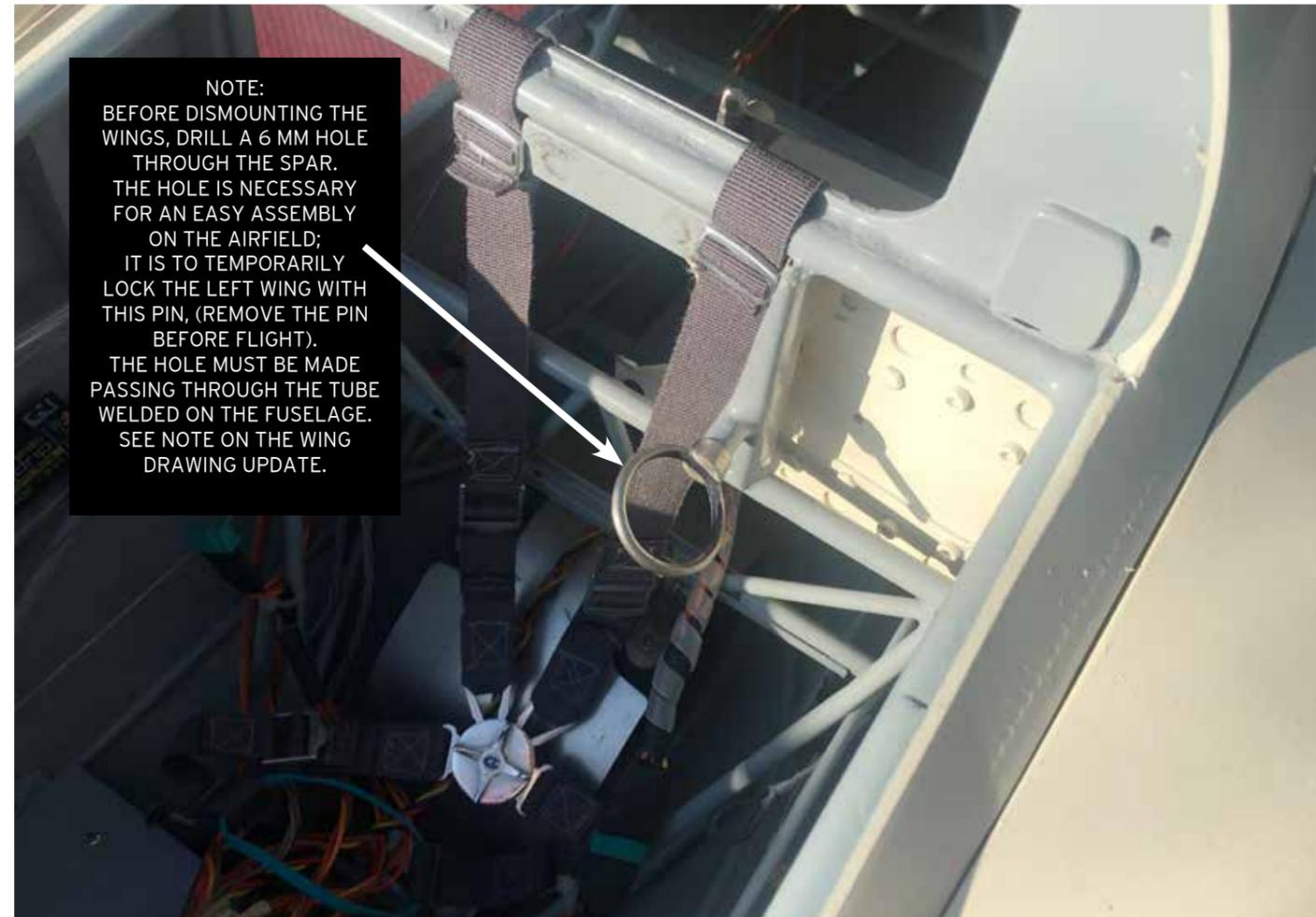
REMOVE THE WINGS



CHECK THE ALIGNMENT OF WING AND KARMANN



APPLY THE 0.8 MM PLYWOOD RIBS



NOTE:  
BEFORE DISMOUNTING THE WINGS, DRILL A 6 MM HOLE THROUGH THE SPAR. THE HOLE IS NECESSARY FOR AN EASY ASSEMBLY ON THE AIRFIELD; IT IS TO TEMPORARILY LOCK THE LEFT WING WITH THIS PIN, (REMOVE THE PIN BEFORE FLIGHT). THE HOLE MUST BE MADE PASSING THROUGH THE TUBE WELDED ON THE FUSELAGE. SEE NOTE ON THE WING DRAWING UPDATE.



UNLIKE SHOWN IN THIS PICTURE,  
THE PLYWOOD SHEETING SHOULD BE  
ONLY TO THIS LINE!





NOTE: IN MY PROTOTYPE  
THE LOWER TANK IS FULL  
OF LEAD BALLS, THE UPPER  
IS HALF FULL



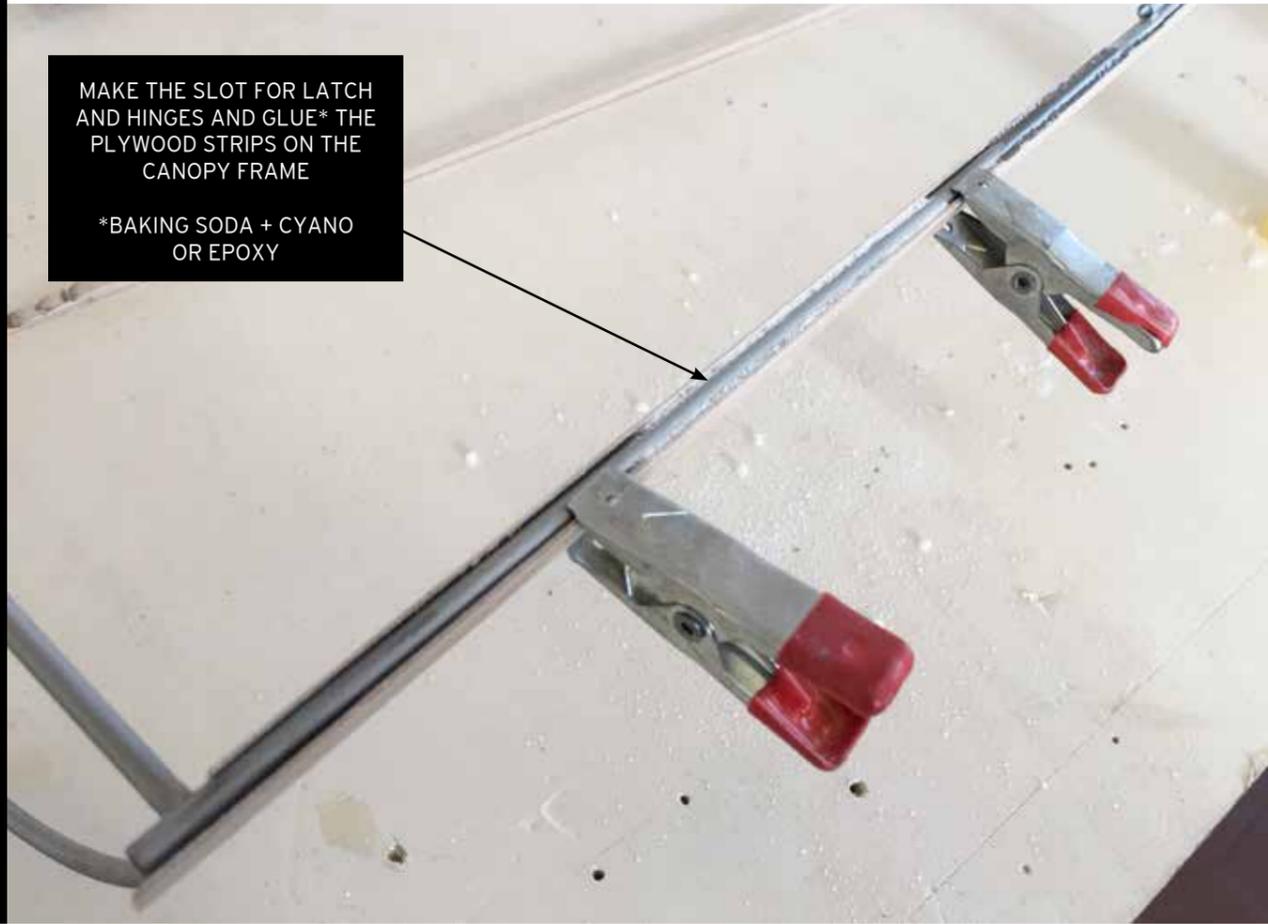
ASSEMBLE THE BALLAST TANK AND  
THE TOWING HOOK

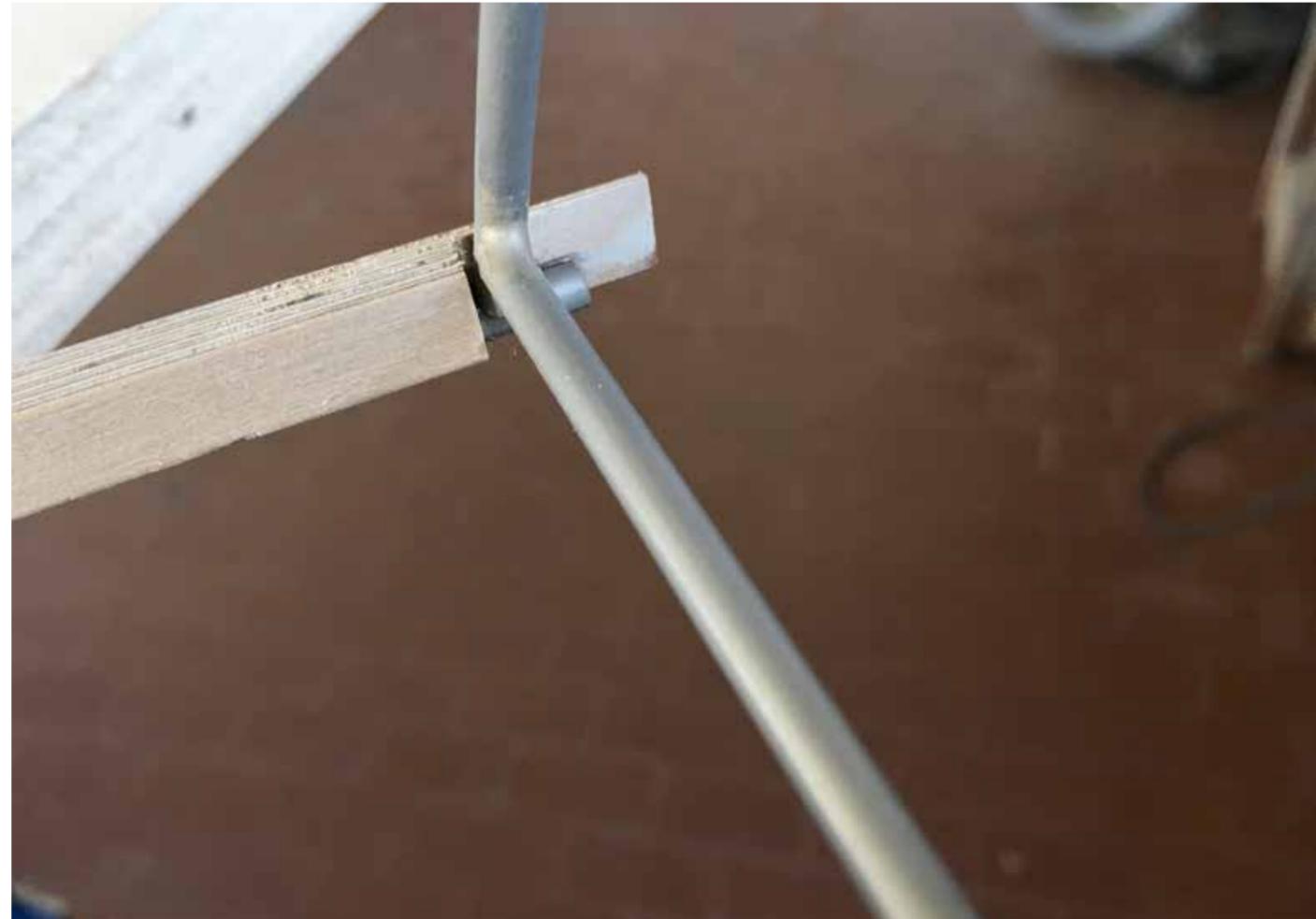


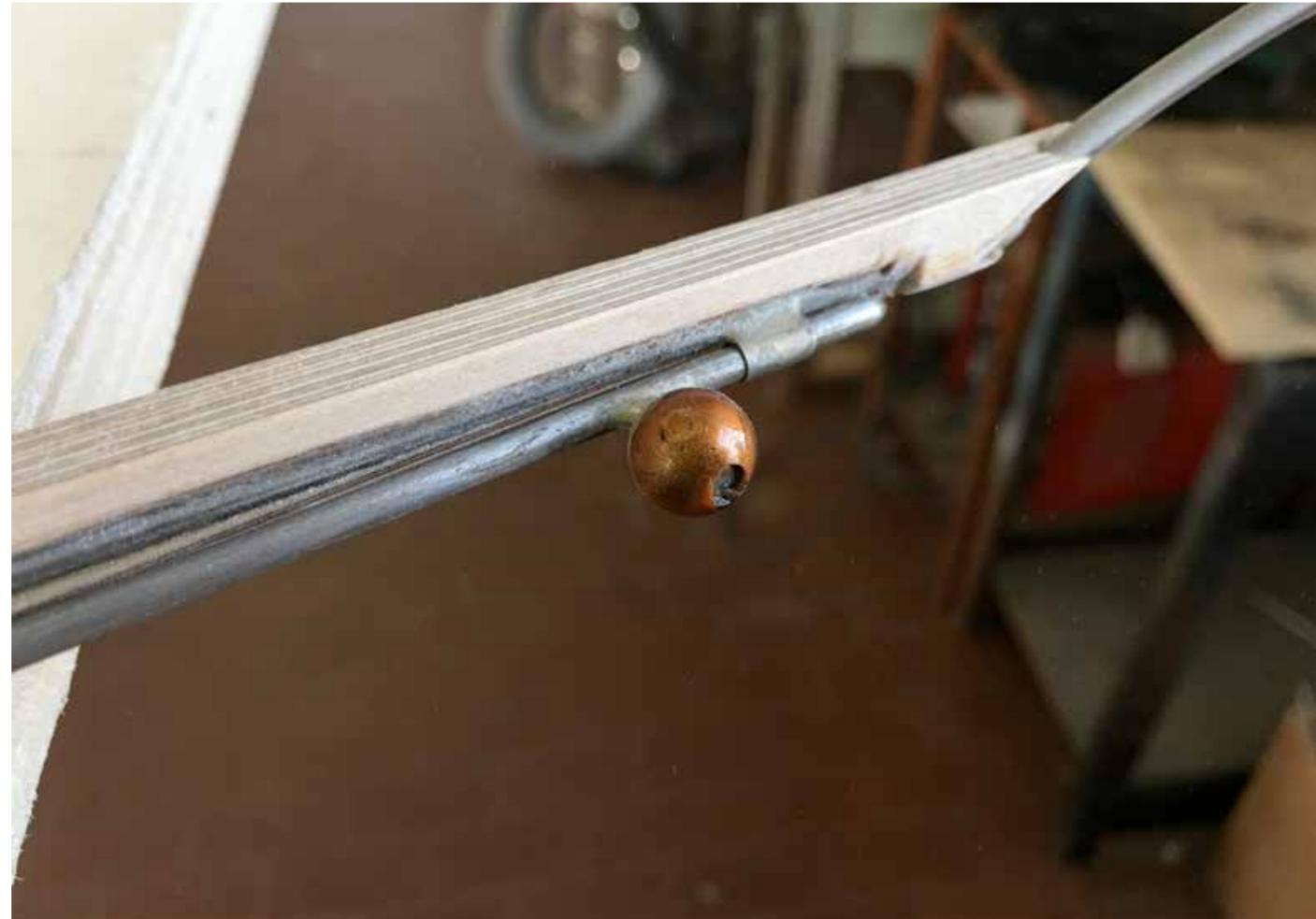
MAKE SURE THAT THE  
BALLAST PLATE CAN BE  
REMOVED FROM THE NOSE

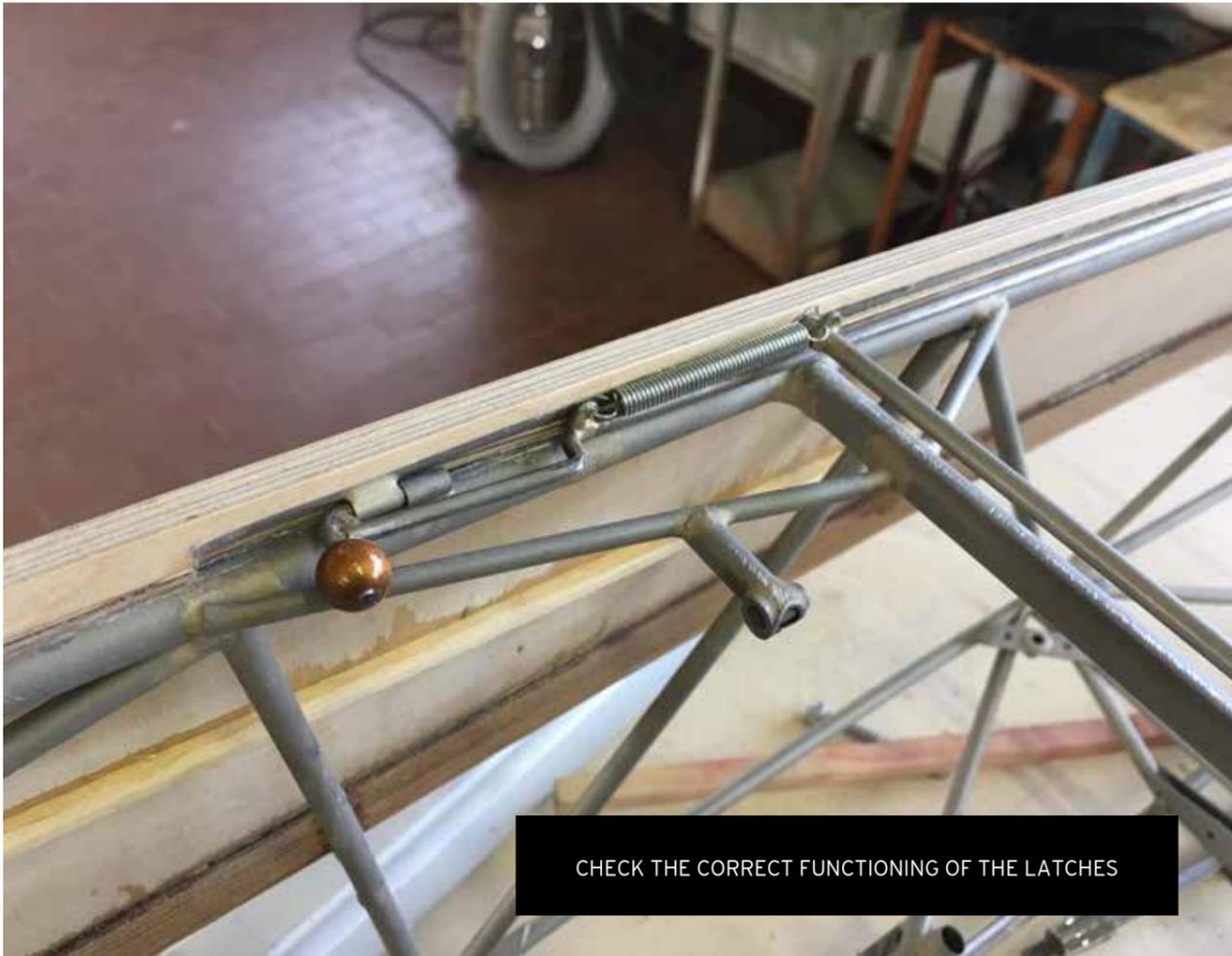
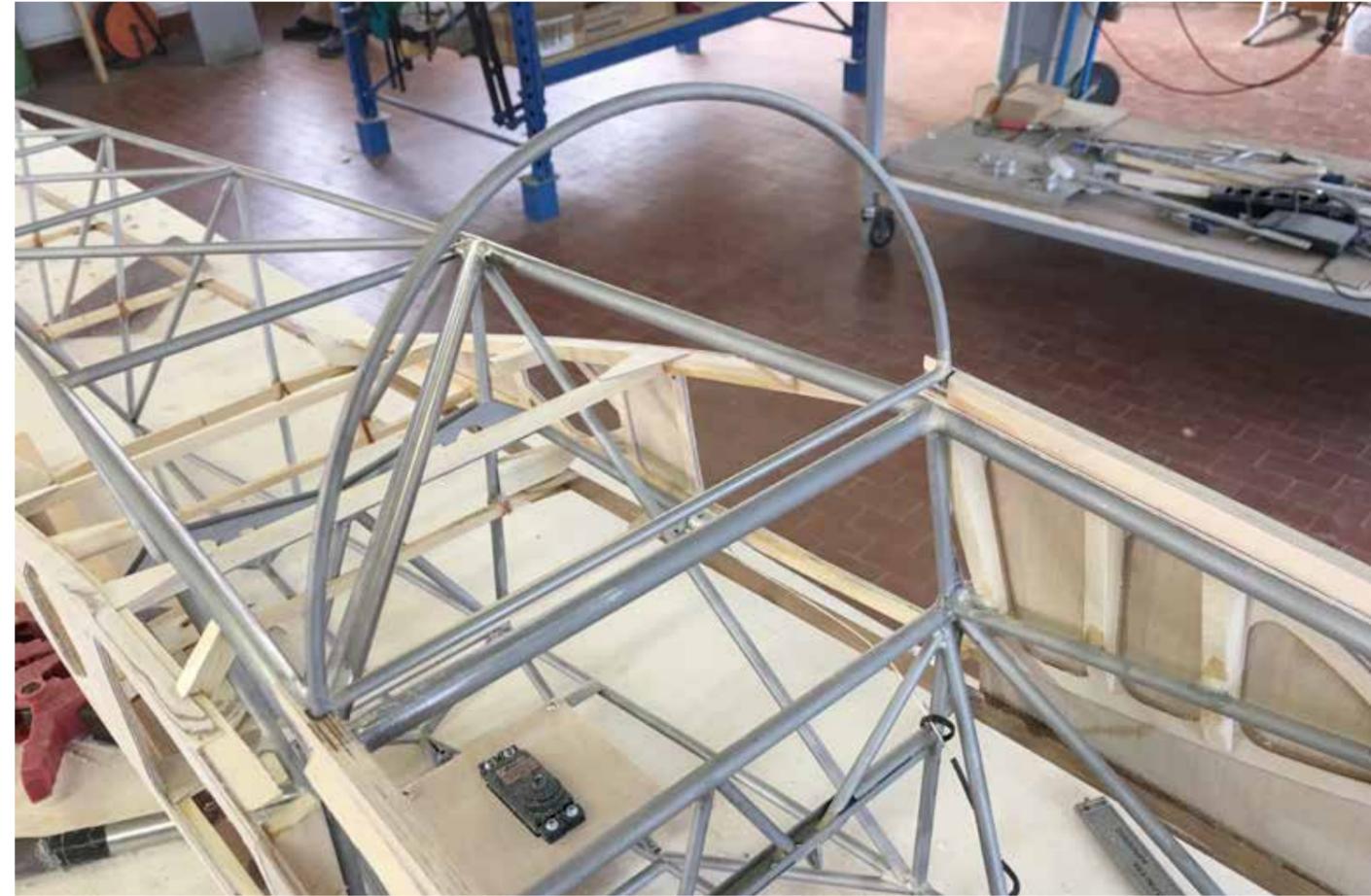
MAKE THE SLOT FOR LATCH  
AND HINGES AND GLUE\* THE  
PLYWOOD STRIPS ON THE  
CANOPY FRAME

\*BAKING SODA + CYANO  
OR EPOXY





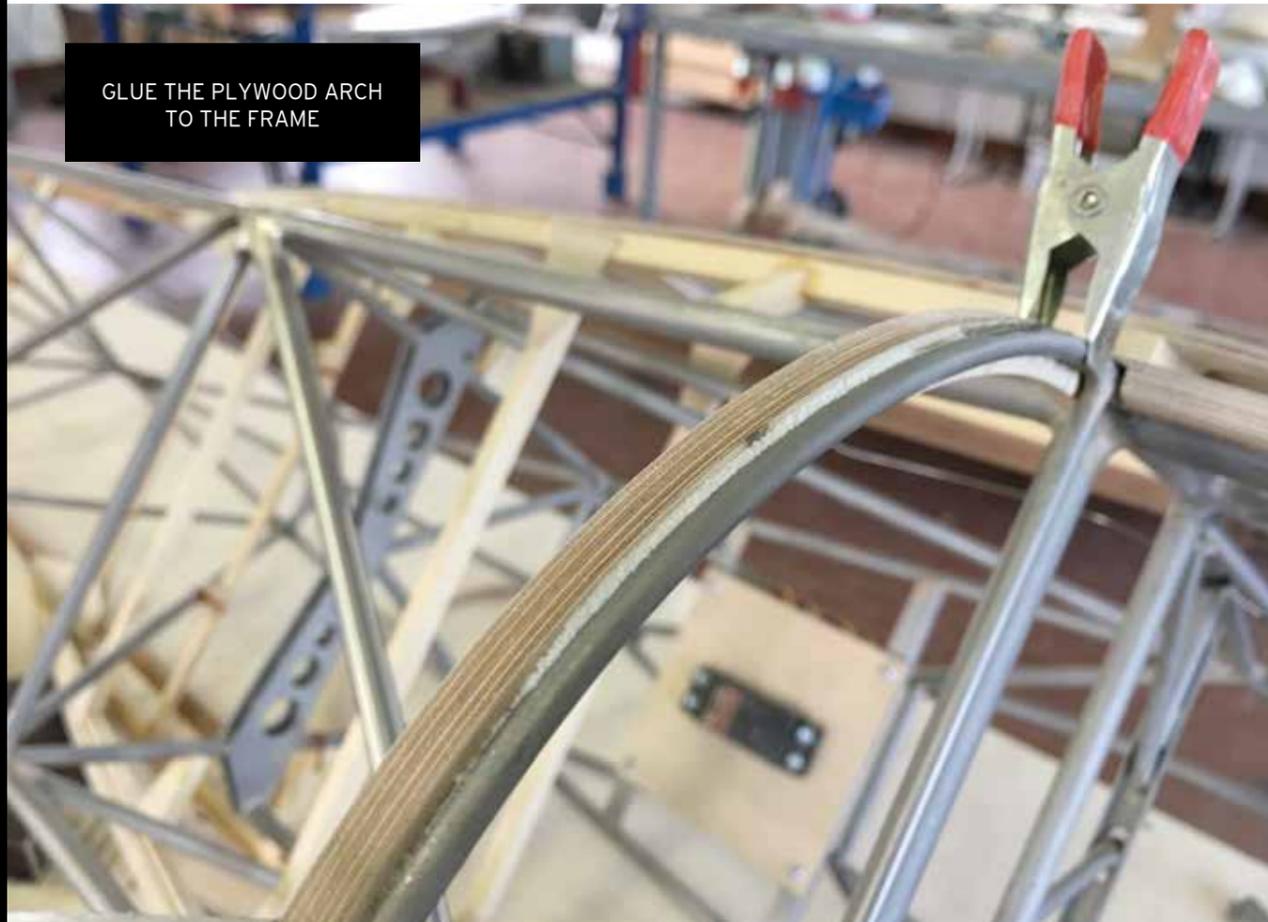




CHECK THE CORRECT FUNCTIONING OF THE LATCHES



GLUE THE PLYWOOD ARCH  
TO THE FRAME

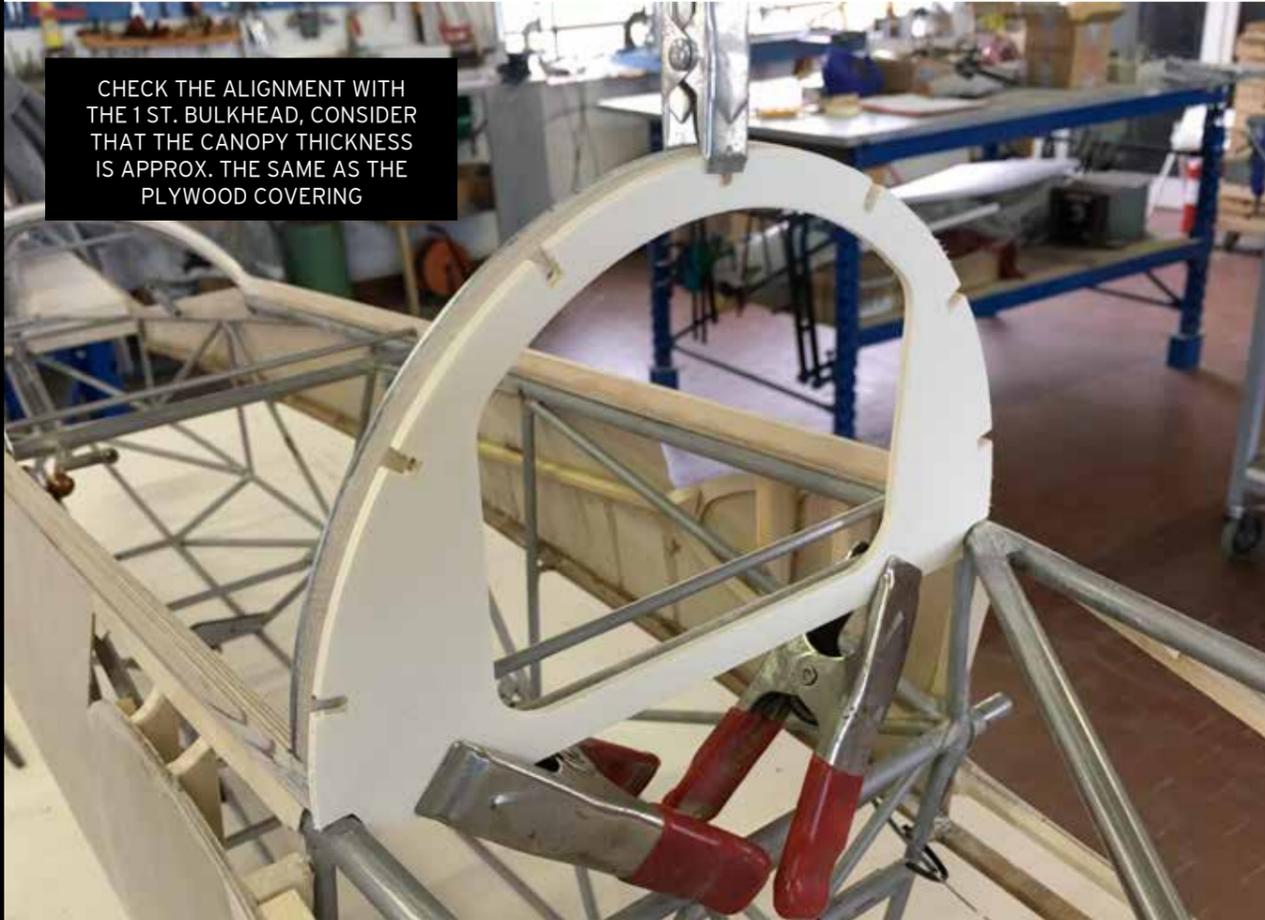


ADD TWO COMPONENT FILLER  
AND SAND

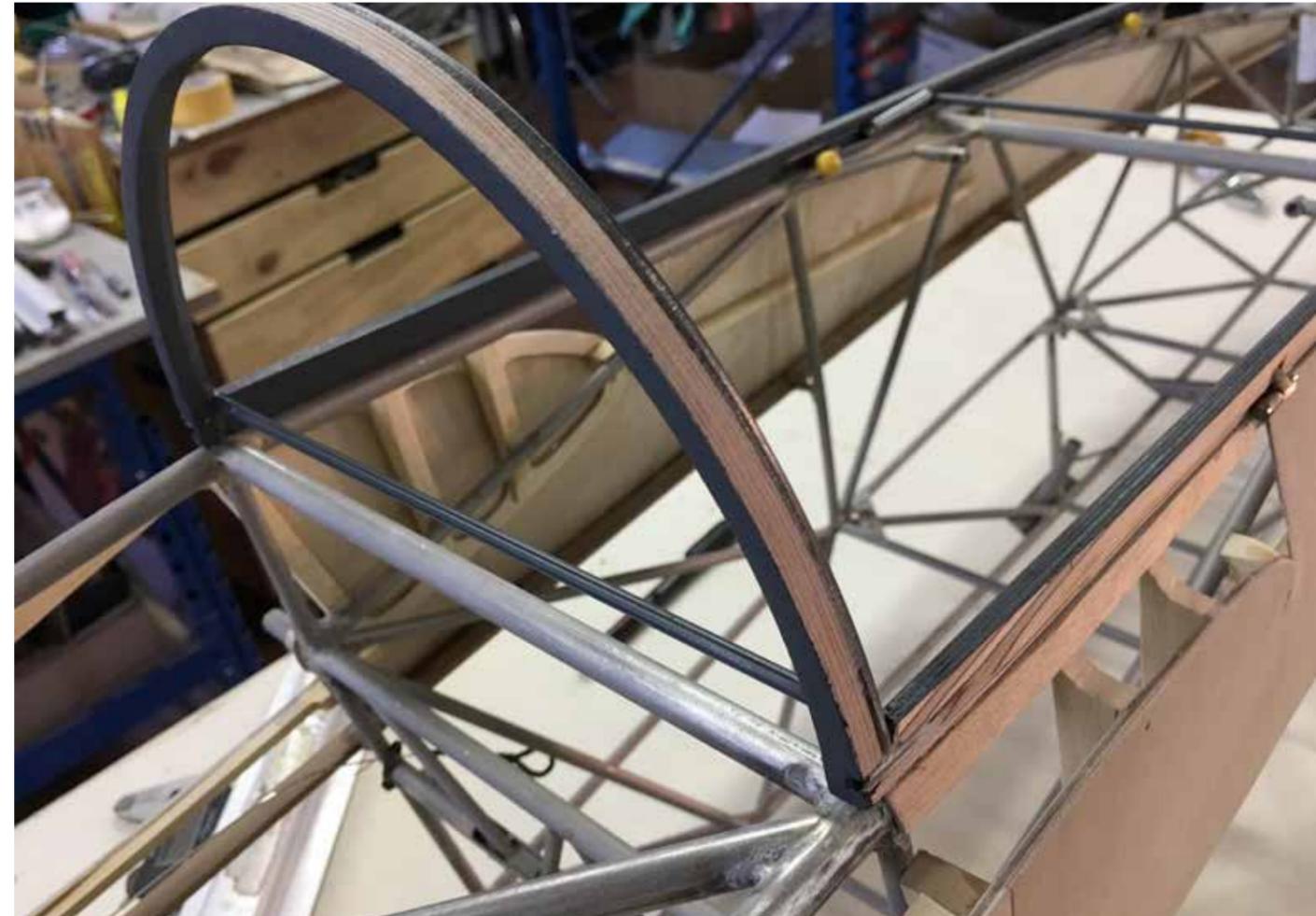




CHECK THE ALIGNMENT WITH THE 1ST. BULKHEAD, CONSIDER THAT THE CANOPY THICKNESS IS APPROX. THE SAME AS THE PLYWOOD COVERING



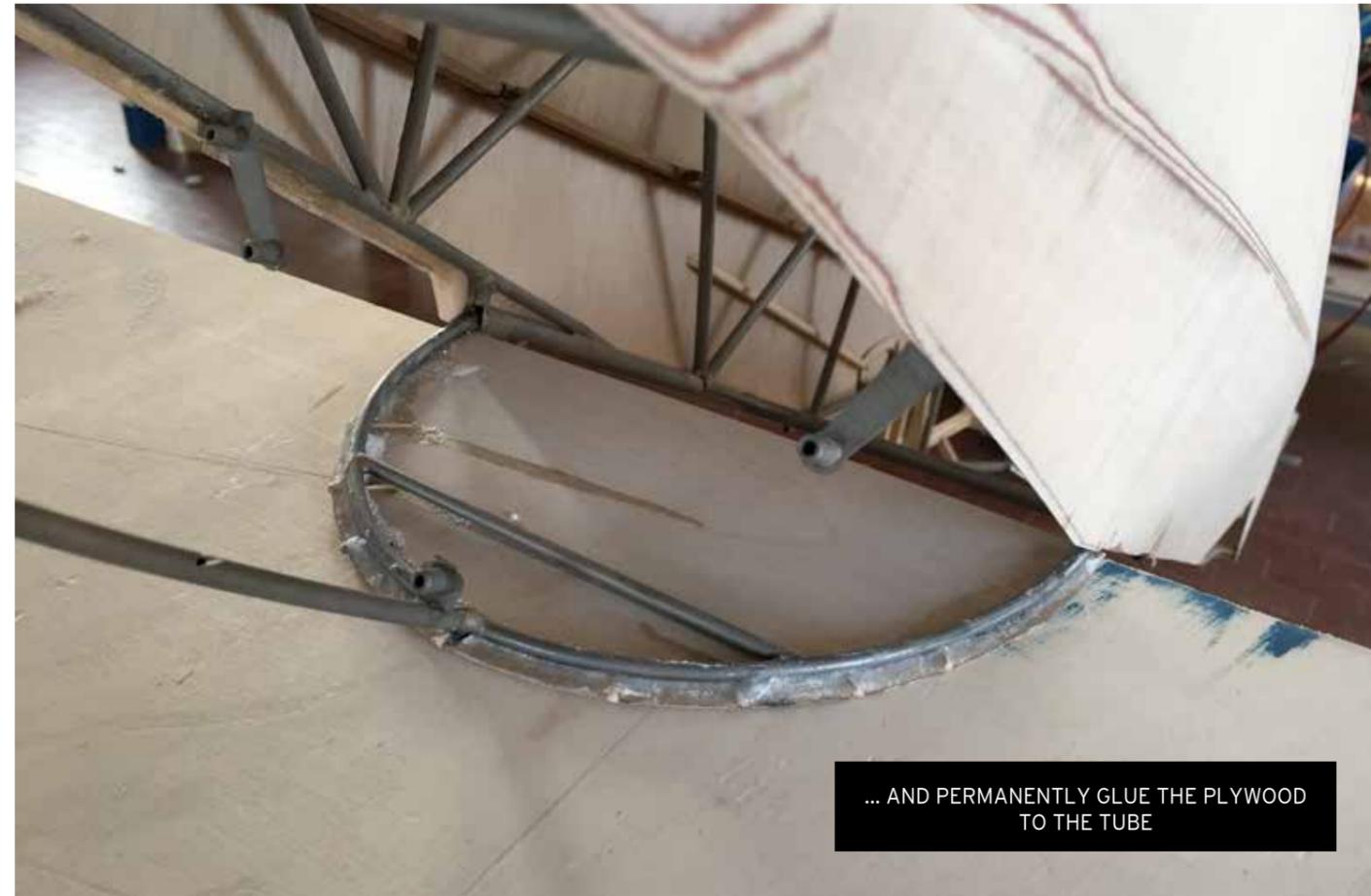
PAINT THE CANOPY FRAMEWORK



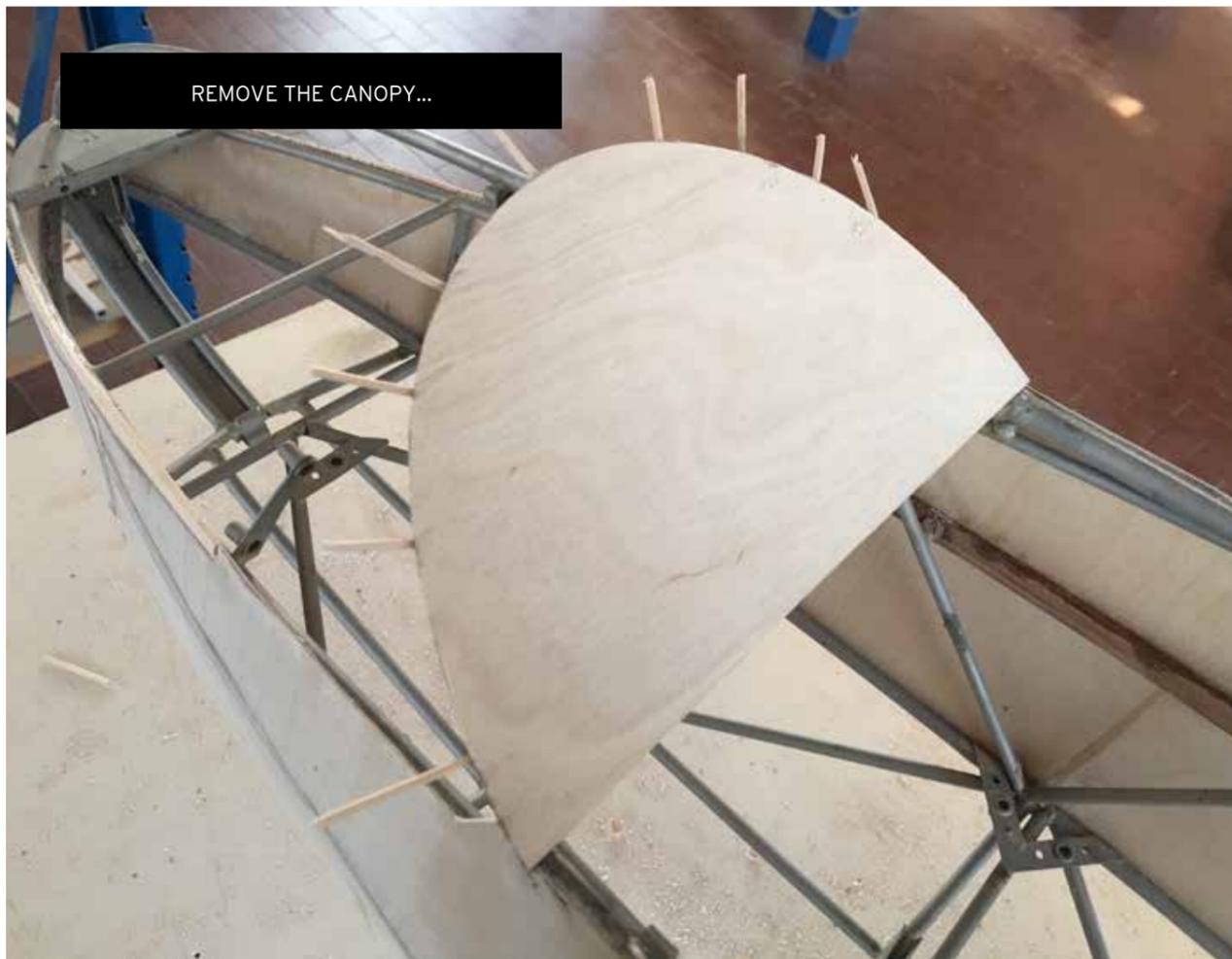




PUT SOME WET CYANO TOOTHPICKS BETWEEN THE PLYWOOD AND THE TUBE



... AND PERMANENTLY GLUE THE PLYWOOD TO THE TUBE



REMOVE THE CANOPY...



