

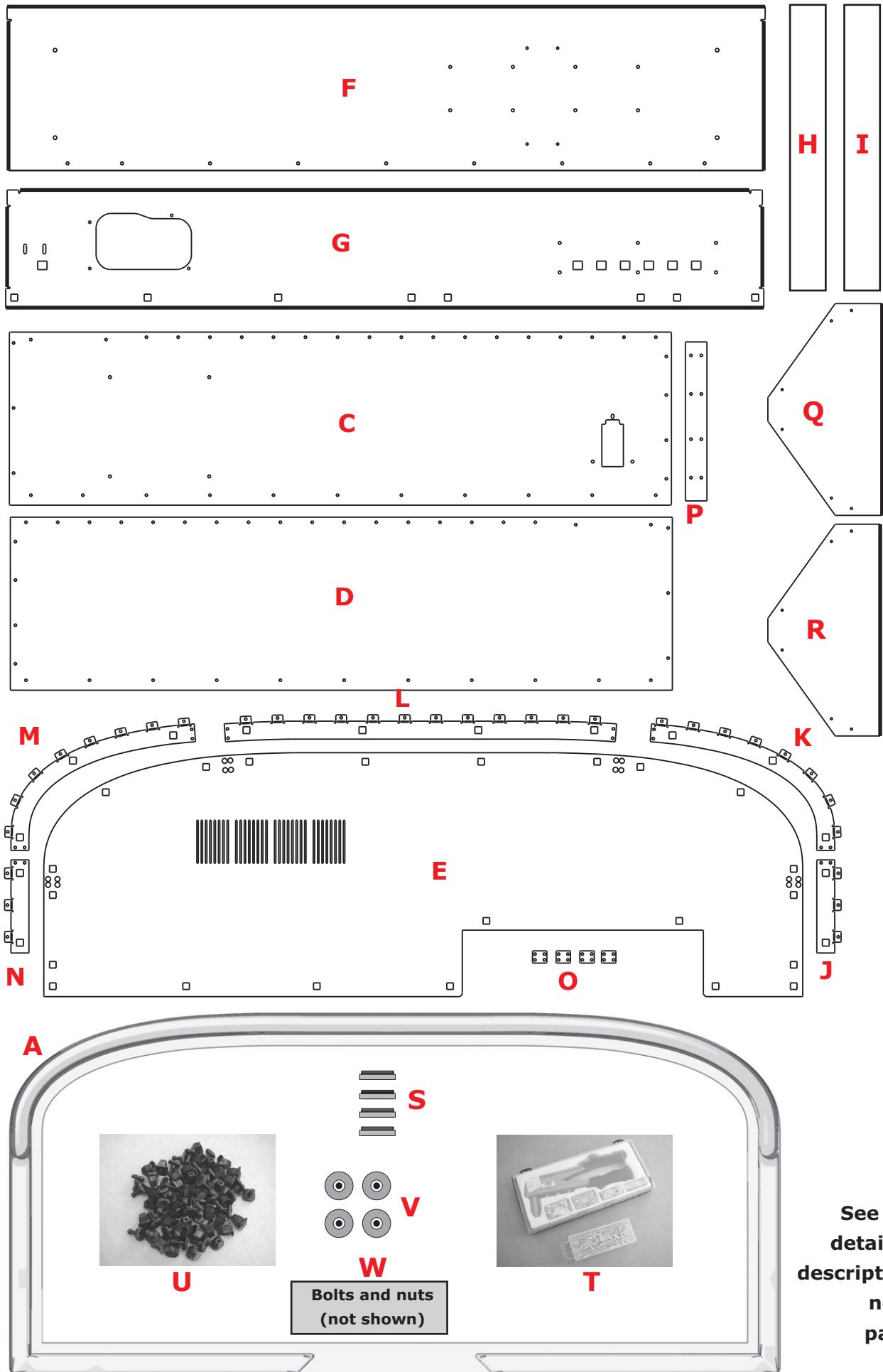
Construction/Installation Manual

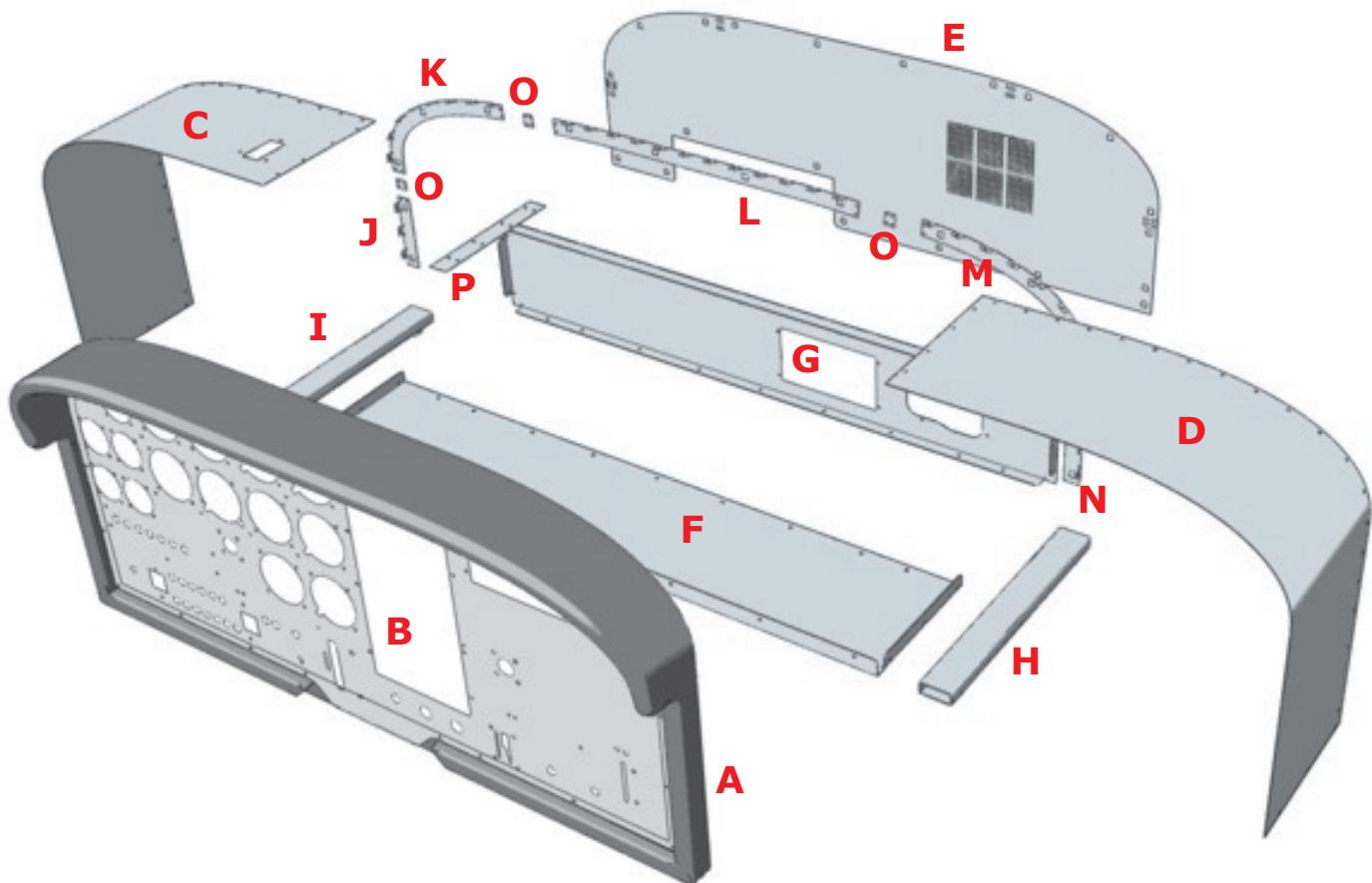
Glareshield & Cabinet

**Note: although the cabinet can be assembled
by a single person,
it is recommended to ask the help of another person.**

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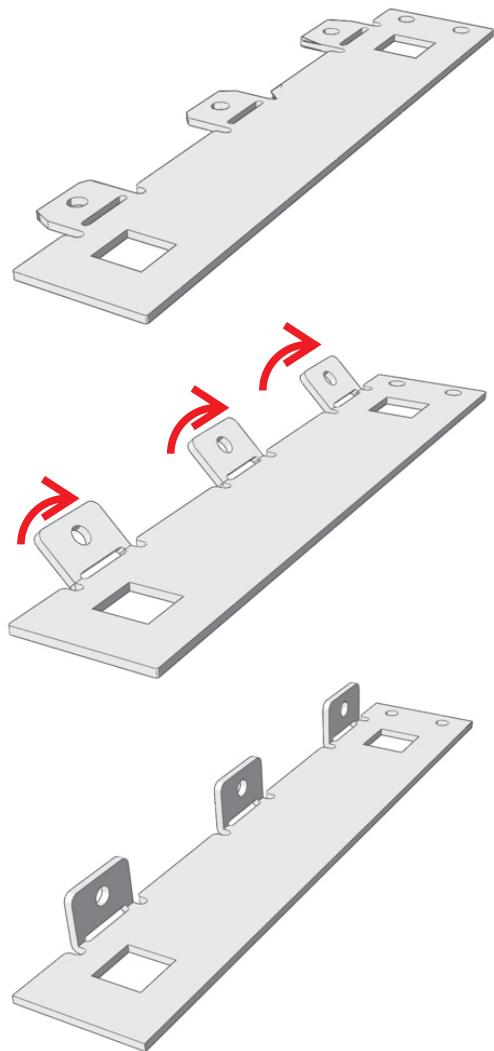
Parts for the TRC472 Cabinet Kit

- A - Glare Shield
- B - Panel (**not included in kit!!**)
- C - Left panel sheet (painted) with hole for Wet Compass
- D - Right panel sheet (painted)
- E - Back panel (upper)
- F - Bottom panel
- G - Back panel (lower)
- H - Flat tube as standing feet
- I - Flat tube as standing feet
- J - Left lower bracket
- K - Left upper bracket
- L - Top bracket
- M - Right upper bracket
- N - Right lower bracket
- O - Connection plates for brackets
- P - Connection plate for panel sheets

Parts on page 2

- Q - Top cover for Yoke system
- R - Bottom cover for Yoke system
- S - 4 Plastic covers for standing feet
- T - Rivet tool and 100 rivets 3,2mm. + 10 rivets 4 mm.
- U - 26 pcs. Large Plastic mounting clips for backpanel and Yoke system.
- V - Rubber feet (to be mounted on the tubes)
- W - Set of Bolts and nuts for mounting the tubes and the feet.

Read this page with utmost attention prior to any construction!



First activity, bending the small lips

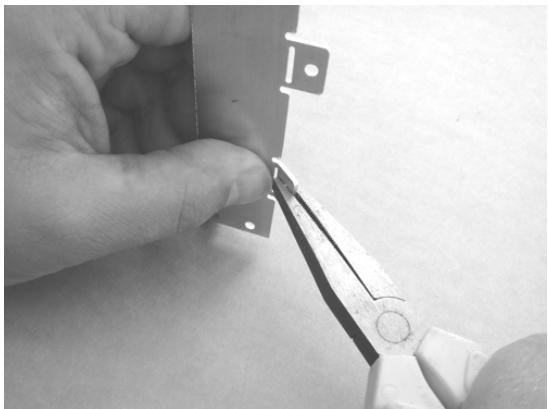
The parts of the brackets of the cabinet are delivered flat. The small lips need to be bended from flat to 90 degrees.

WARNING:

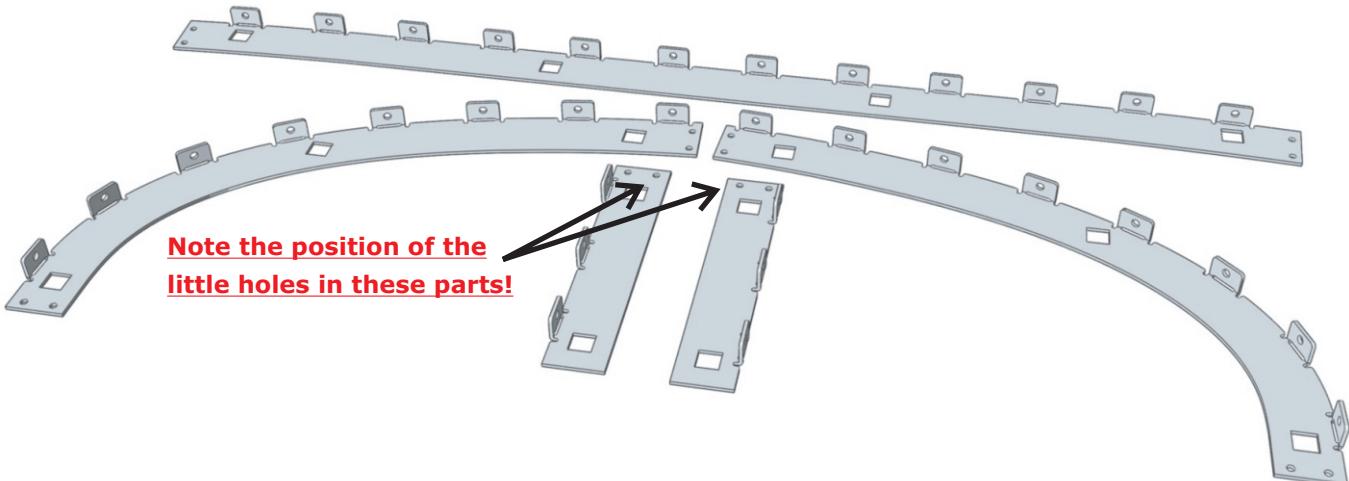
**You can bend the lips only once.
Bending them back will break them off or will make them less strong.**

It is better to bend the lips almost 90 degrees and adjust very carefully further to a real 90 degrees.

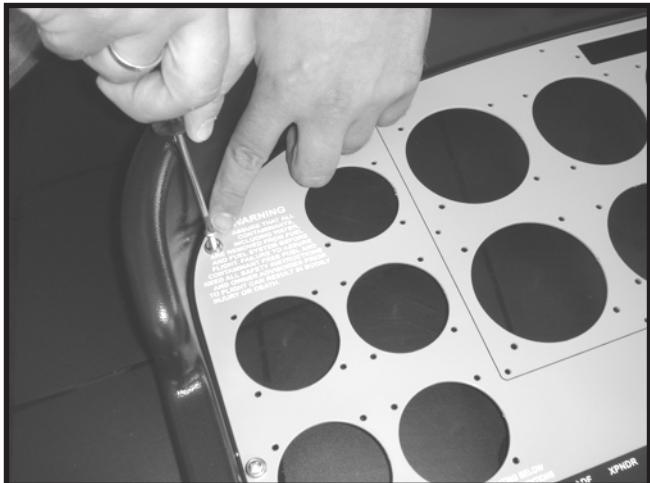
Use a pair of pliers, which make the work more easy.



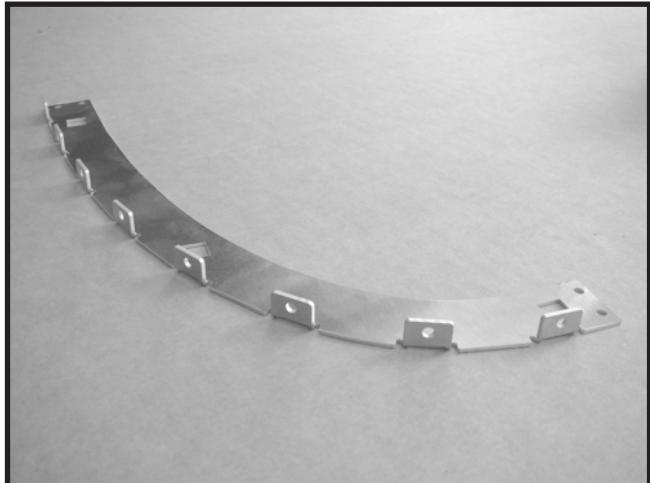
Brackets, position of lips to bend. Please study this picture with attention!



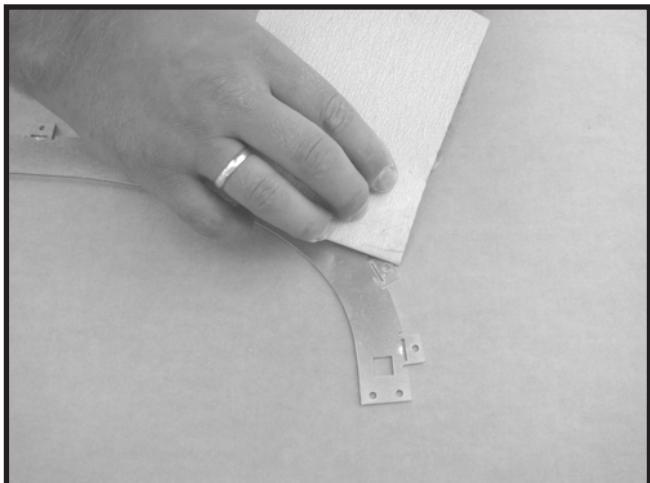
**When you bend the lips the wrong way, bending them back will result in a broken lip!
This is not covered by warranty!!**



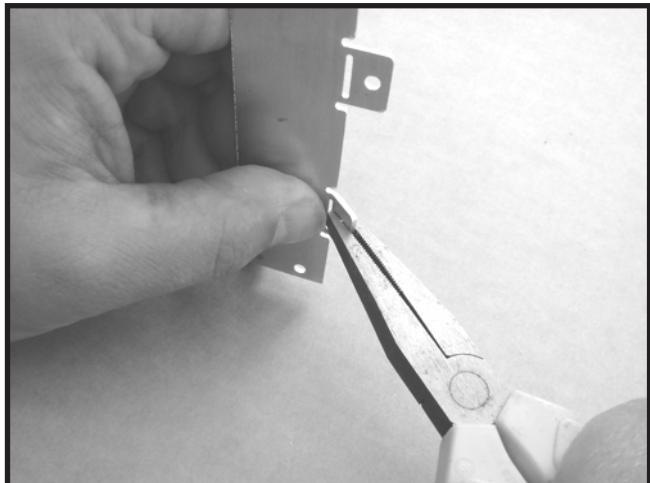
1. Firstly mount the panel (not included in the kit) onto the glareshield. This gives the glareshield the proper form and position to mount onto the cabinet later.



4. The lips of the brackets can be bended easily, but only once. More bending or bending back will destroy the lips.
This is not covered by warranty!



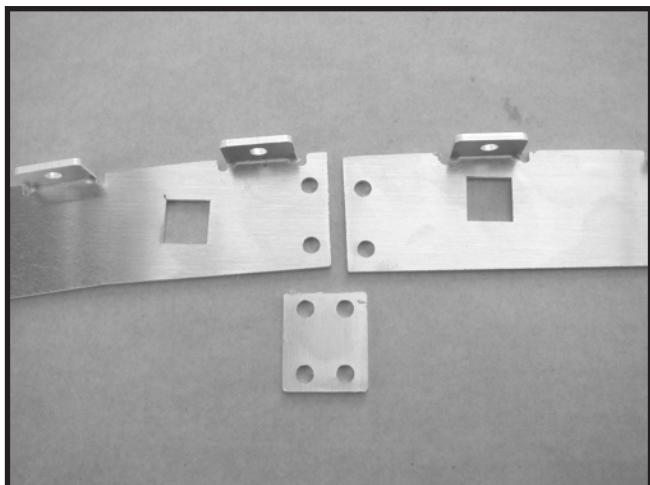
2. It is recommended to use sandpaper to sand off the sharp edges of the aluminum parts where necessary.



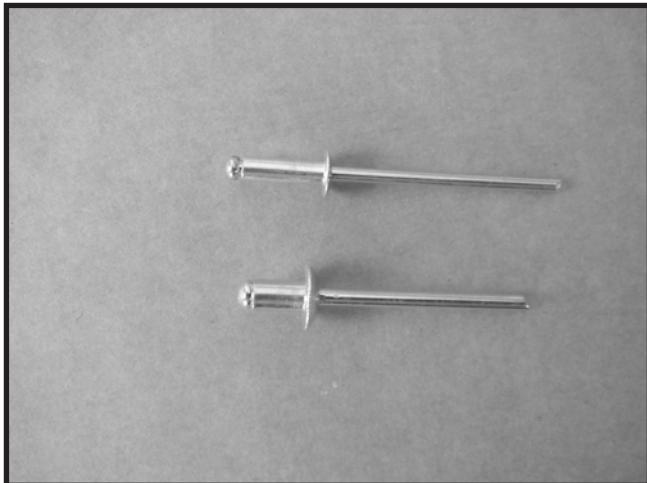
5. To bend the lips easily, it is best to use a pair of pliers with flat ends.



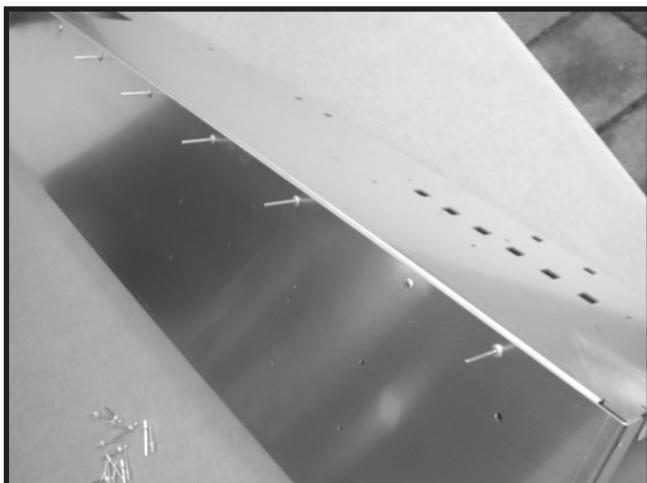
3. Now bend the lips of the aluminum brackets. First study carefully all pictures of this process, especially the information on the previous page (page 4) and next pictures.



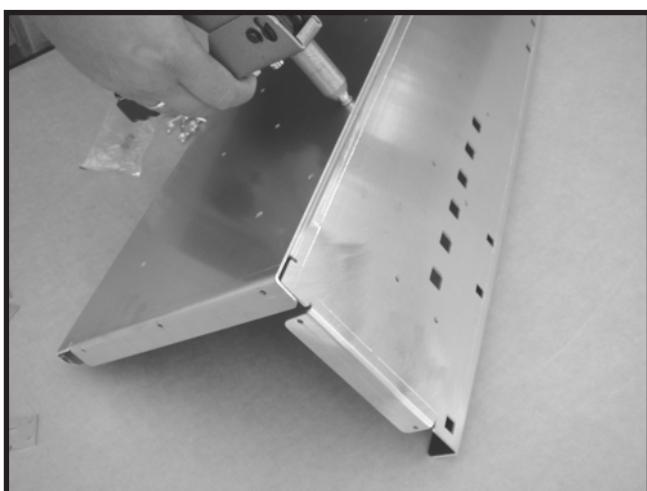
6. The little square pieces of aluminum with the 4 holes are used to combine all brackets.



7. There are 2 different rivets supplied: 3,1 mm. (approx. 100) and 4 mm. (approx. 10). The 4 mm. rivets are used for the bottom and lower back plate. The 3,2 mm. are used to mount the brackets and the sheets onto the brackets.



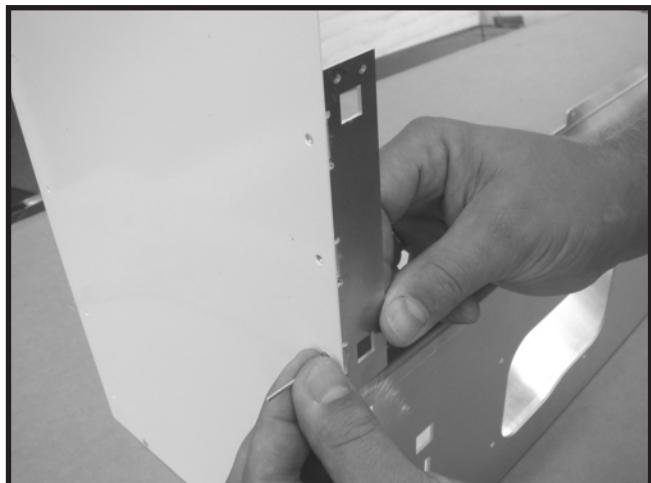
8. Use the 4 mm. rivets to mount the bottom and lower back plate. First mount 2 rivets on both ends, then insert all rivets and mount them one by one.



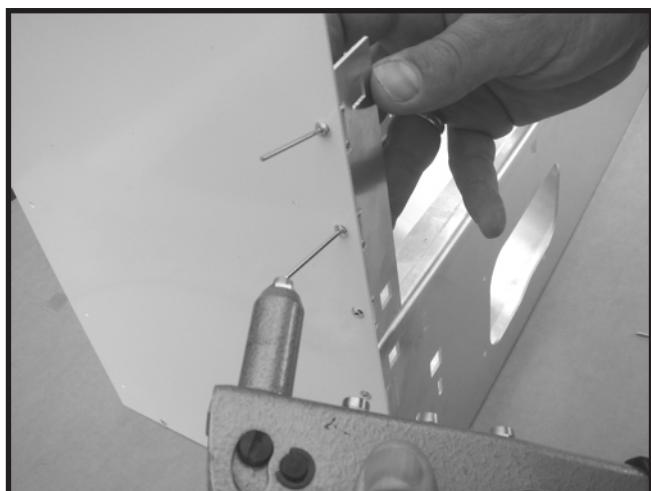
9. The included rivet tool can be used for both types rivets.



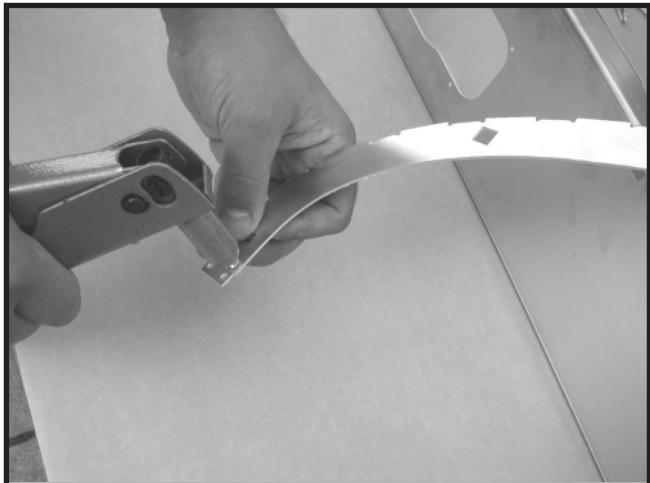
10. Now start with mounting the white aluminium sheets onto the bottom and lower backplate using the 3,1 mm. rivets and start with the left sheet (seen from the back) by using 5 rivets of 3,1 mm.



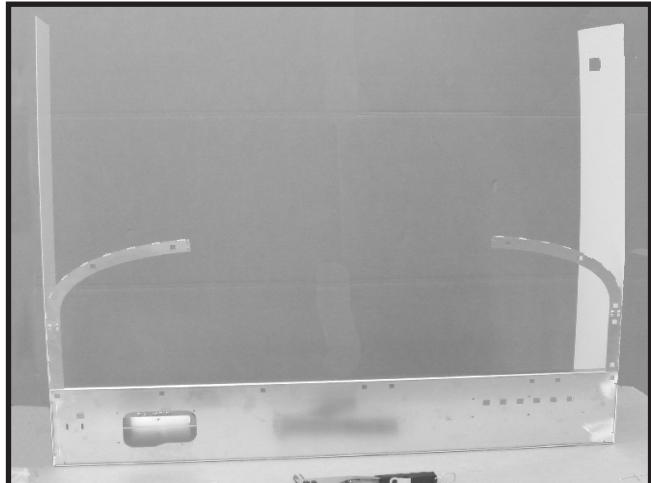
11. Then mount the smallest bracket. Check that the small mounting holes for the bended bracket are on the top and the bended lips point inwards!



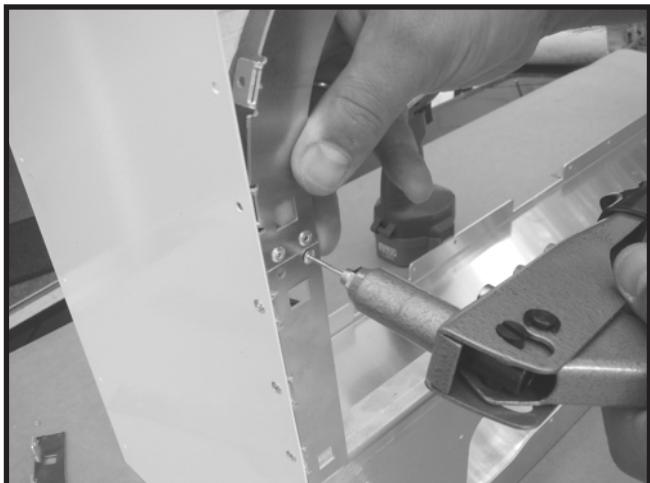
12. Put all rivets in the holes first, then mount them using the rivet tool.



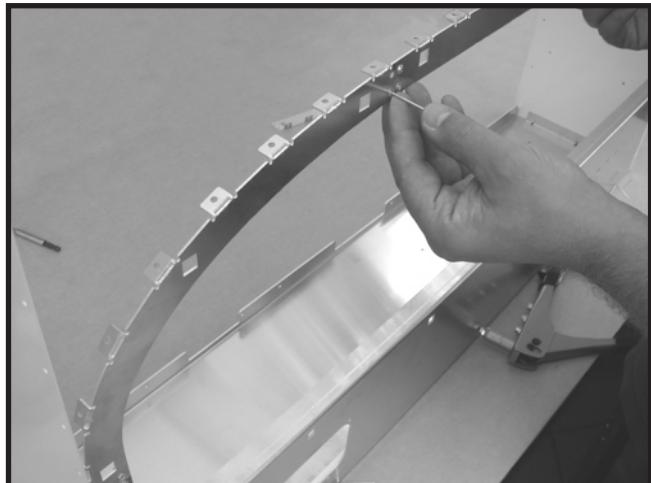
13. Mount the small square connection bracket to the left (seen from the back) bended bracket.



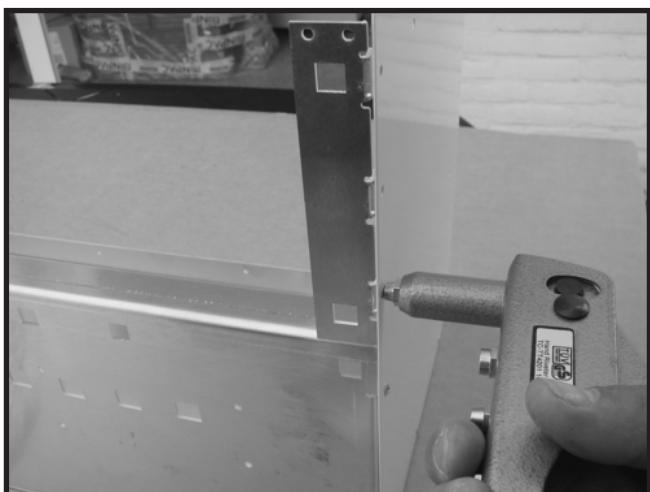
16. The setup of the assembly of the cabinet should now look like the above picture.



14. Connect the bended bracket to the small straight bracket.



17. Connect the upper bracket using the 2 small square connection bracket using 4 rivets for each connection.



15. Now start mounting the smallest right bracket (seen from the back) as you did with the left one and also mount the right bended bracket.



18. Be carefull when mounting all brackets together and check if the mounted brackets form a fluent line.



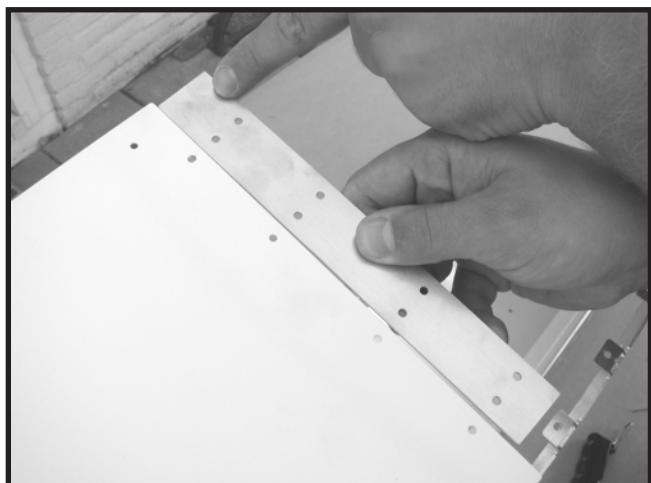
19. Start mounting the white sheets onto the bracket lips while "helping" the white sheet to bend over the lips. It is advised to ask help from someone.



22. Step by step bending and mounting rivets.



20. Carefully mount each rivet and hold the sheet in place while doing this (take care that the new rivets needed are within reach).



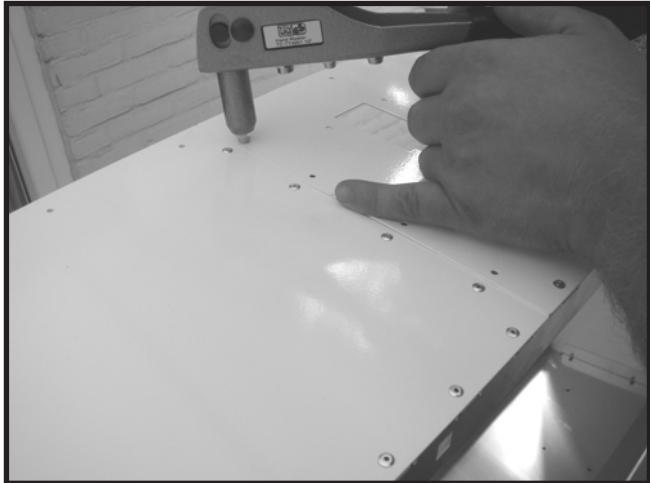
23. Mount the middle connecting plate. Check for the proper position of the connecting plate. It should be away from the mounting lips of the brackets and align with the side of the outside of the white sheet!



21. The sheets can bend easily to follow the bracket lips position.



24. Use the rivet tool to mount the connecting plate to one side of the white sheets.



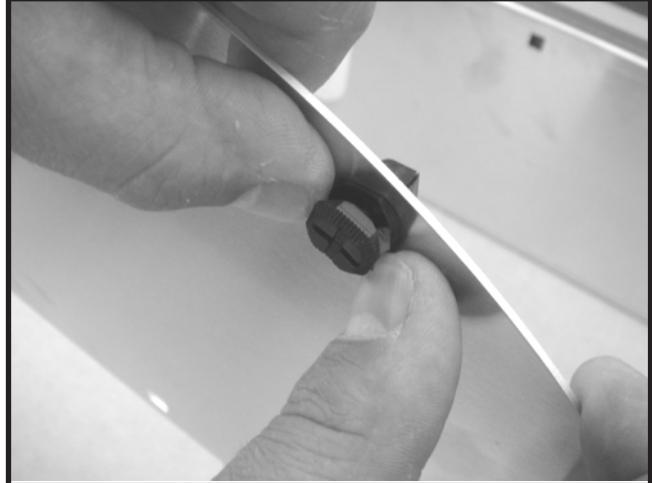
25. Now bend over the other white sheet and mount them together with the connecting plate.



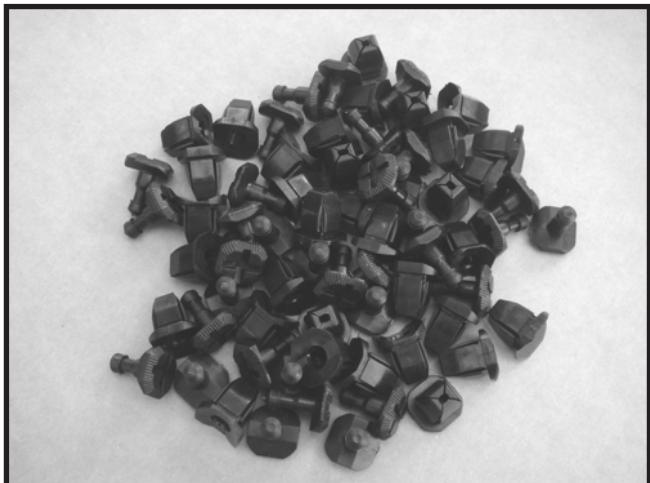
28. Take the two different part of the plastic bracket and press them together until you feel a "click". Do not press them fully together yet.



26. Finish the connection of the 2nd white sheet to the lips to finalize the metal assembly of the cabinet.



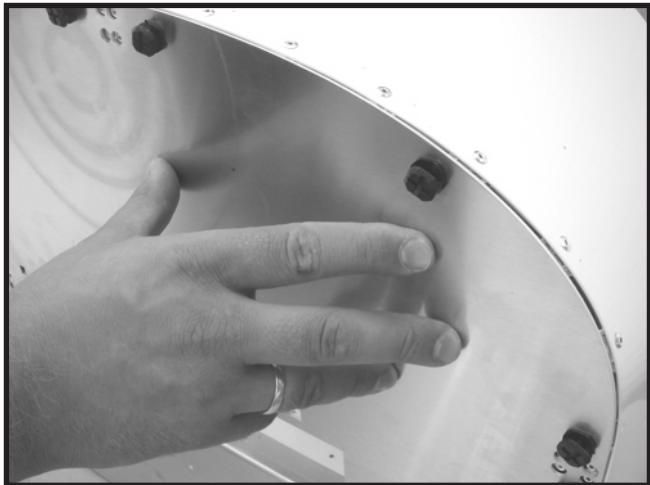
29. Take the metal back plate of the cabinet in such a position that the rounded side is on top and the air openings are left up and the square opening for the yoke mount is right down and press the plastic bracket in (only the first part).



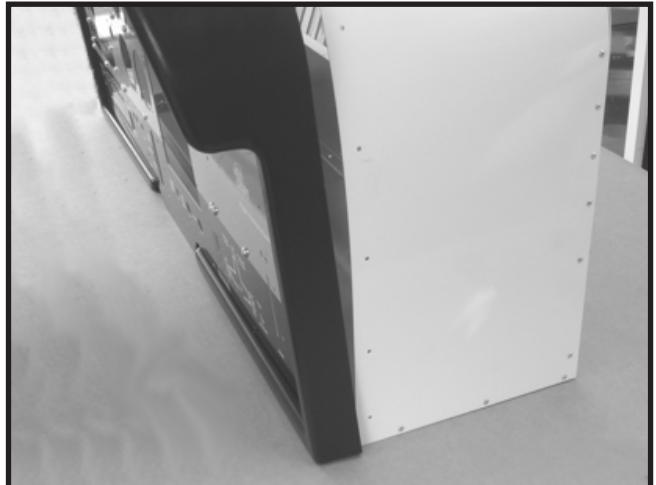
27. Take the plastic mounting rivets to assemble the 2 different parts together first.



30. Fill all square openings of the backplate with the rivets.



31. Position the back plate onto the brackets.



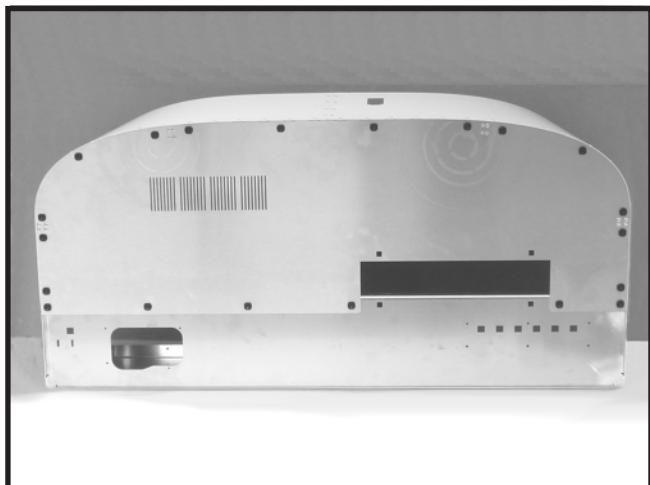
34. Now take the glareshield with the mounted panel and position it just under the metal cabinet.



32. Now press in the second part of the bracket until it clicks, thereby fixing the backplate onto the brackets.



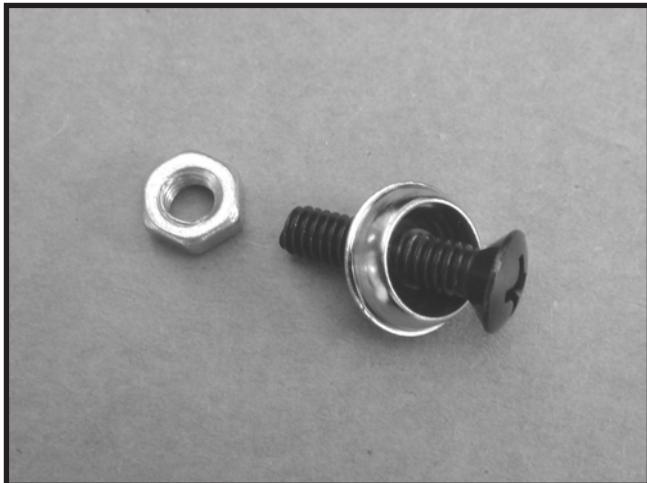
35. This detail shows how you slide in the metal cabinet onto the glareshield. Do this also on the other side.



33. When finalized, the cabinet with the mounted back plate looks like this.



36. While sliding the glareshield with the lower part over the cabinet, hold it as in the picture above.



37. Use the 4 mm. bolts and the special type of ring to mount the lower part of the panel/glareshield combination to the bottom of the cabinet.



40. Now mount the right side the same way. When this is accomplished, mount all bolts onto the lower part of the panel to secure the panel/glareshield to the cabinet.



38. In case the holes are too tight, use eventually a 4 mm. drill to make them fit. First mount the bolts in both corners.



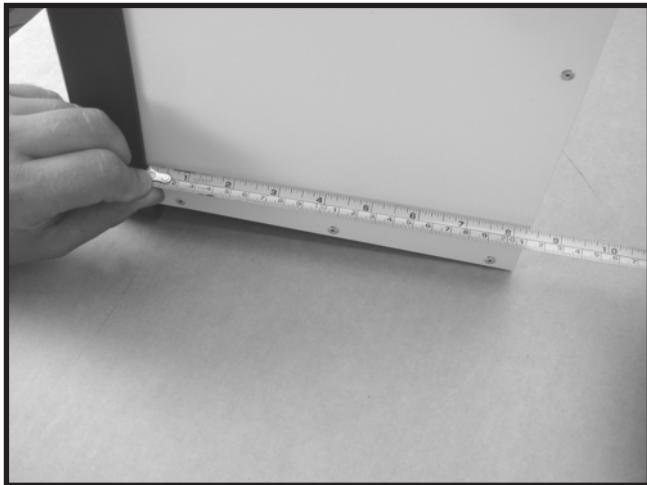
41. The white metal sheets yet do not follow the proper form of the glareshield. Therefore now you have to push (carefully) the white metal sheet under the glareshield edge while holding it in place.



39. The mounting in the corner seen from the inside of the metal cabinet.



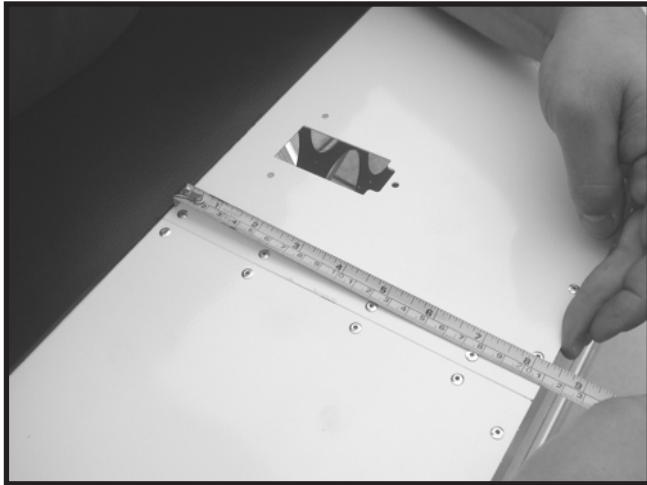
42. Push in the metal sheets a few centimeters (approx 3/4 inch) under the glareshield.



43. Measure the position of the white cabinet part from the back to the edge of the glareshield on the lower side.



46. Use a aluminum rivet to mount the glareshield to the cabinet.



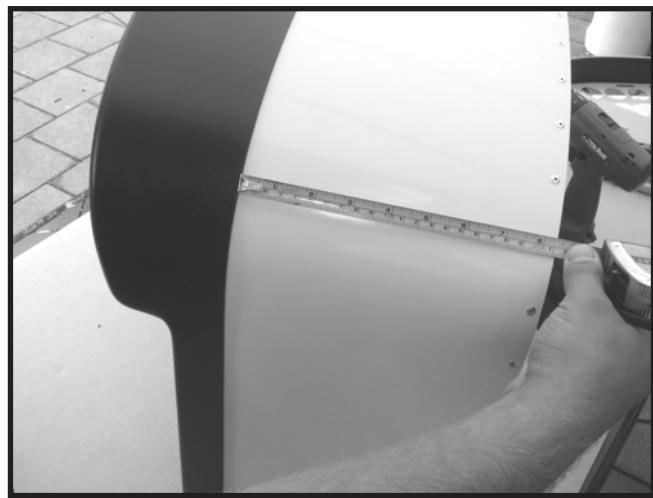
44. Now measure and adjust the position of the white cabinet part on the top of the cabinet to the edge of the glareshield and adjust to exact the same length.



47. It should look like this when finished.



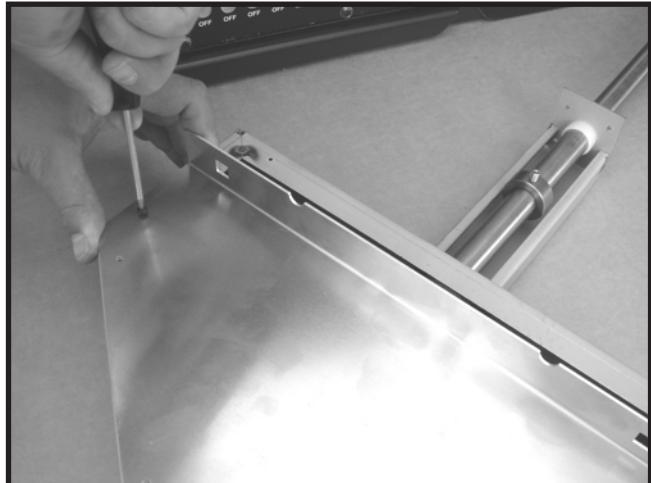
45. From the inside, drill a hole through the glareshield in the middle through an existing white sheet hole, while holding the cabinet and glareshield in the same position.



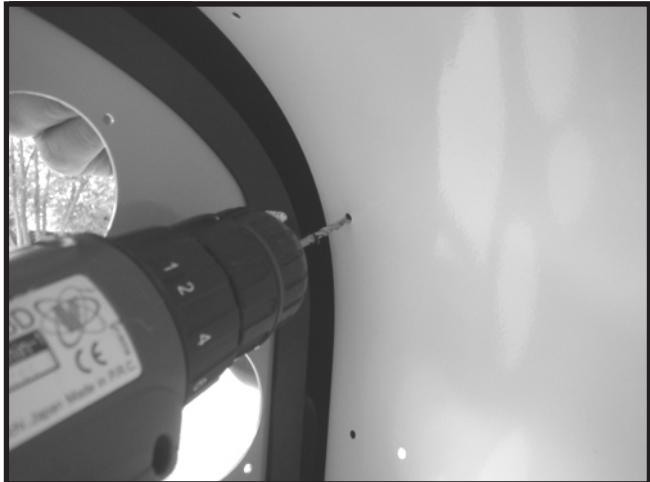
48. Now measure the left top side for the proper adjusting of the glareshield and cabinet and adjust it to the same size as measured in picture 43.



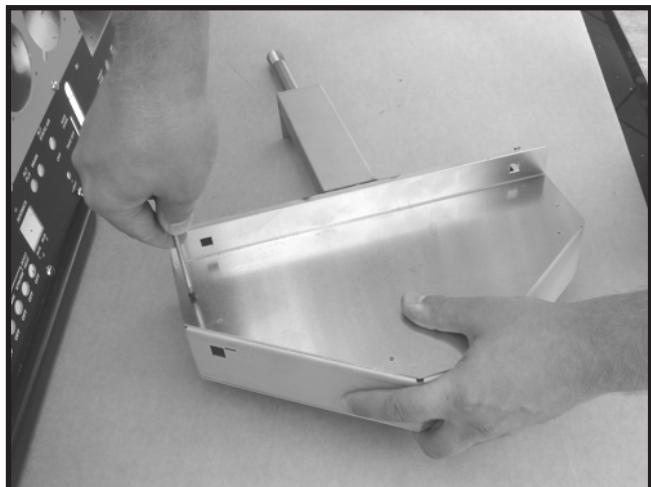
49. Measure the same position on the other side of the cabinet.



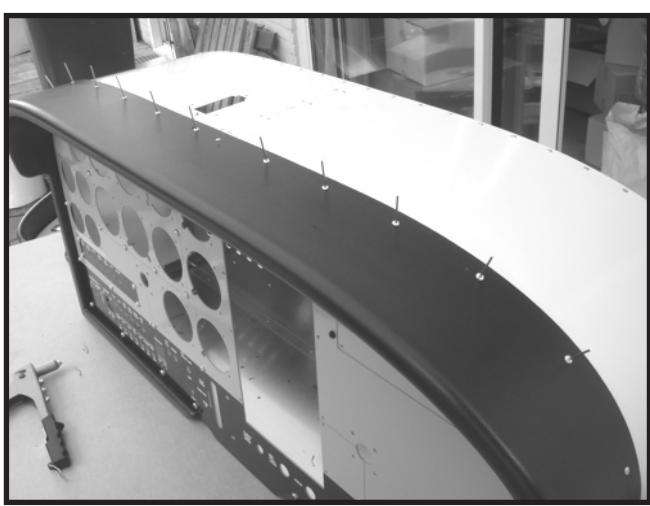
52. To mount the (not included) yoke system, 2 special yoke mount plates are included in the cabinet system. The yoke mount plates (Q and R) are almost alike, except for the small half round cuts, which is the upper plate.



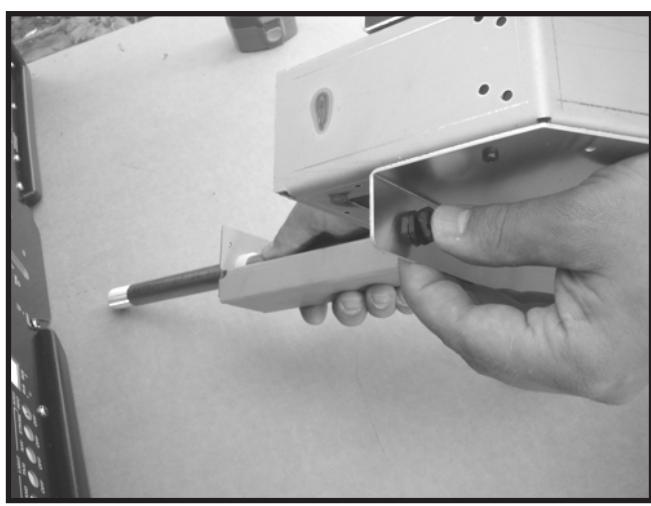
50. Drill a hole from the inside and use the rivet on the outside to mount one side.
Do the same with the other side. You should have mounted now 3 rivets. One on top, and 2 at the sides.



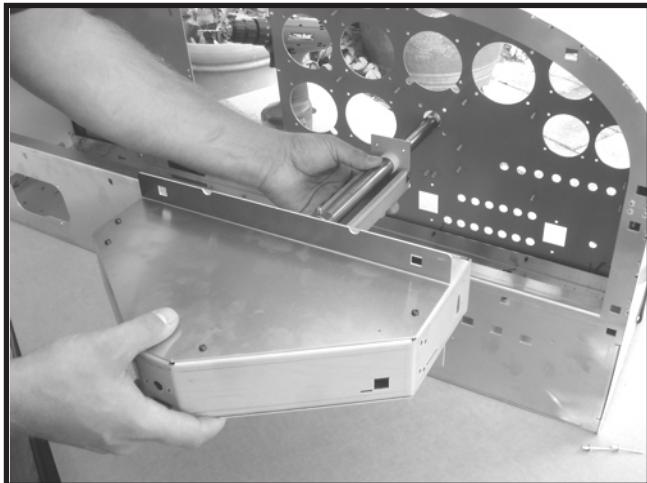
53. Mount the plates using the self tapping screws onto the yoke system (this picture shows the mounting of the under plate, which has no half-round cut outs at the edge).



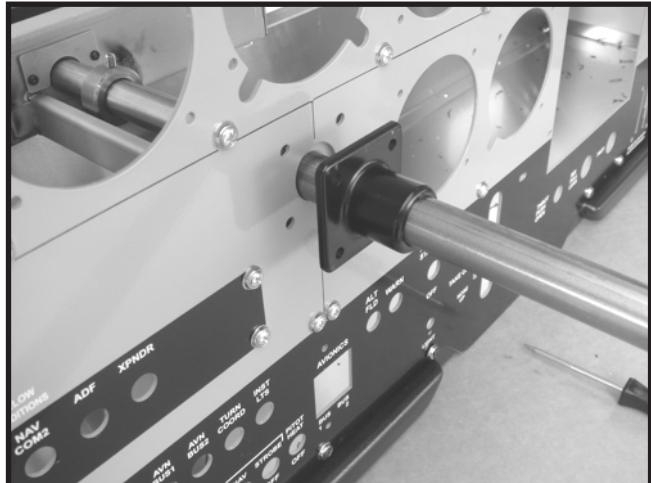
51. Drill all remainder holes from the inside through the glareshield and position all rivets prior to mounting them. This concludes the assembly of the cabinet.



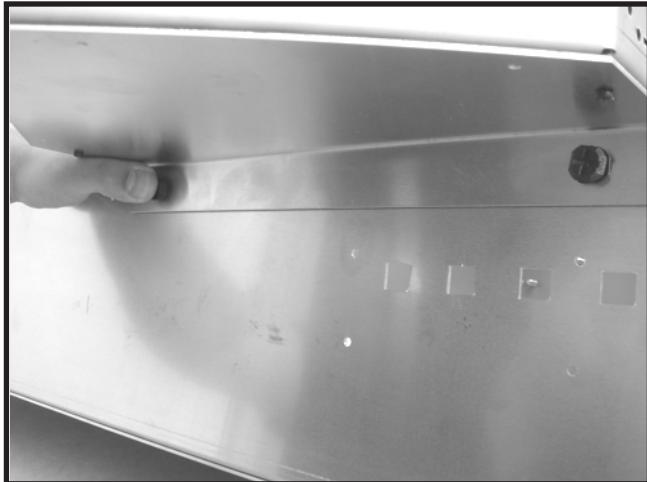
54. Press the plastic rivets into the square holes of only the lower plate.



55. Slide in the yoke tube through the hole of the panel.



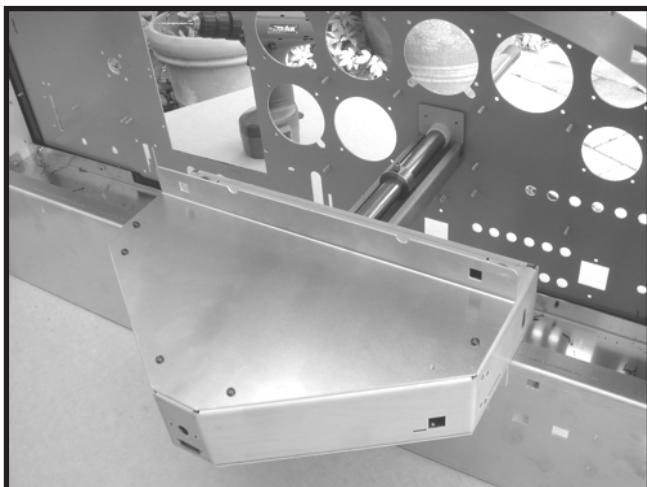
58. The yoke mount is the additional part which comes with the cabinet.



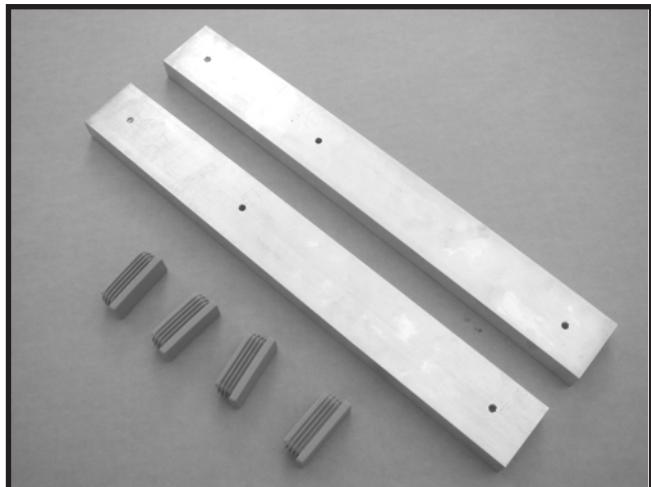
56. Mount the yoke mechanism onto the lower cabinet part with two plastic rivets.



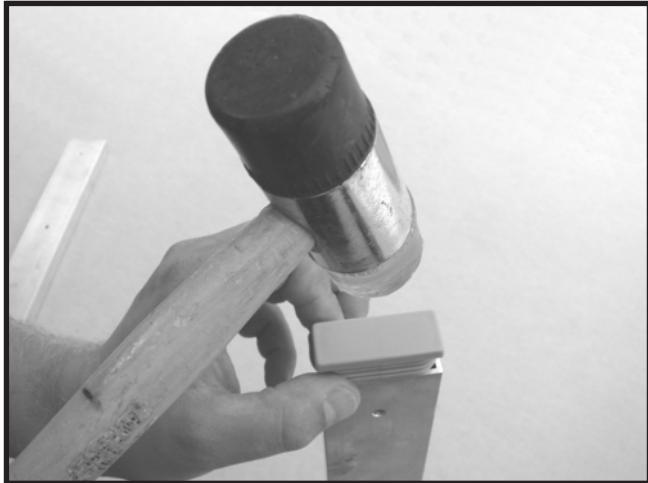
59. Mount the yoke mount to the panel using the M4 screws supplied. The further mounting of the Yoke Control wheel and internal mouting plate is described in the Yoke manual.



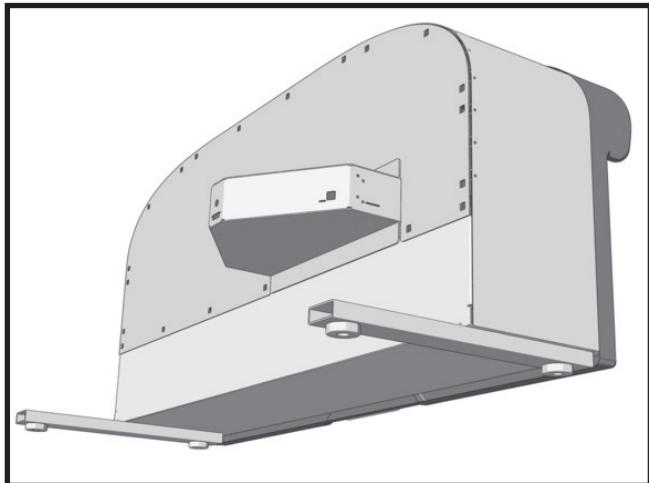
57. The yoke is now in the position to be mounted onto the panel using the yoke mount.



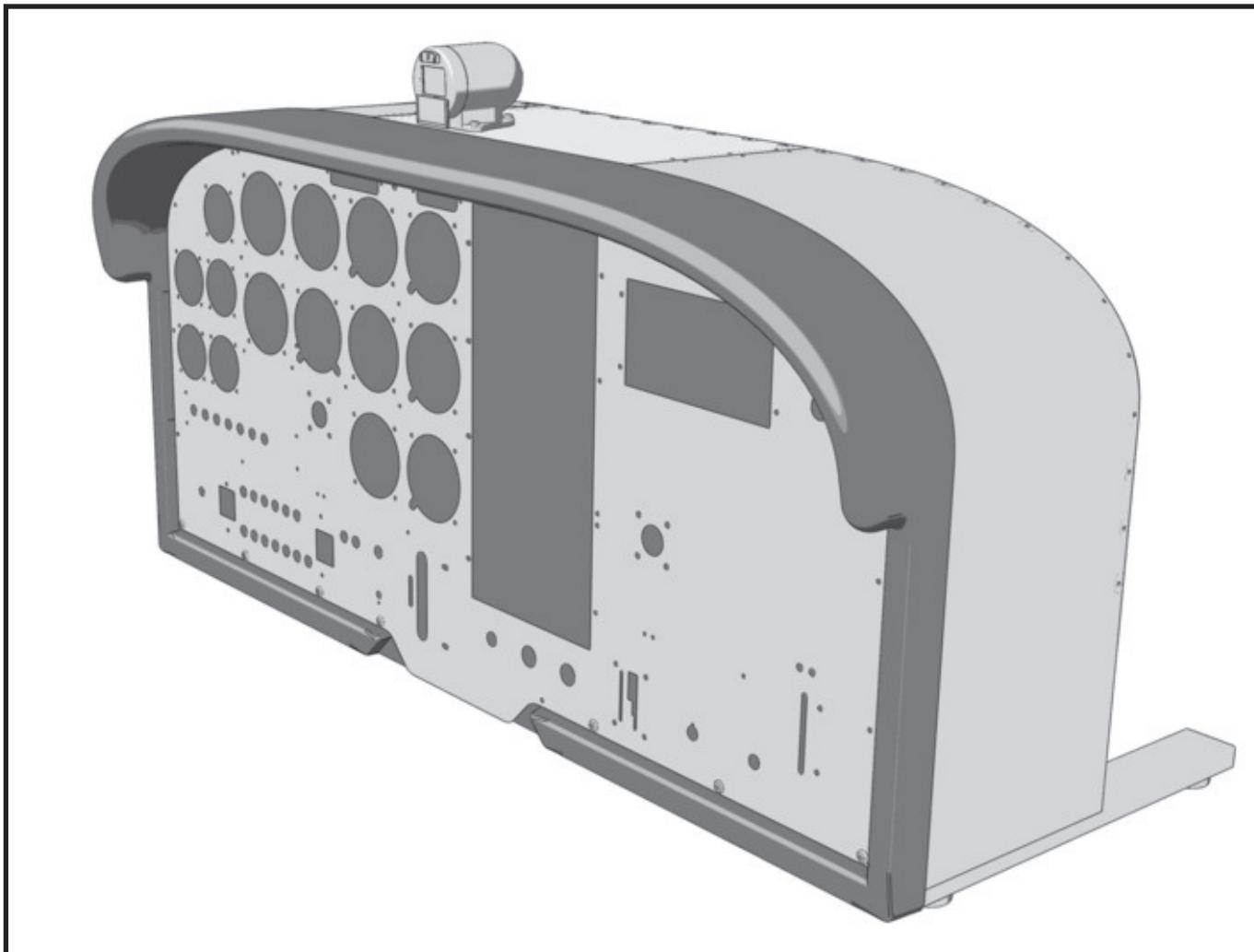
60. The tubes supplied are connected to the bottom of the cabinet to give it stability.



61. The plastic covers can be mounted into the tube openings by using a hammer (in case you do not have a hammer with a plastic head, use something to protect the plastic covers while driving them into the tube).



62. This picture shows how the tubes are mounted onto the bottom of the cabinet. Mount the tubes, use the 4 pieces M5 screws and self locking nuts together with the 4 rubber feet supplied.



63. Now your cabinet is finished and ready to receive the instruments to complete your flight deck.