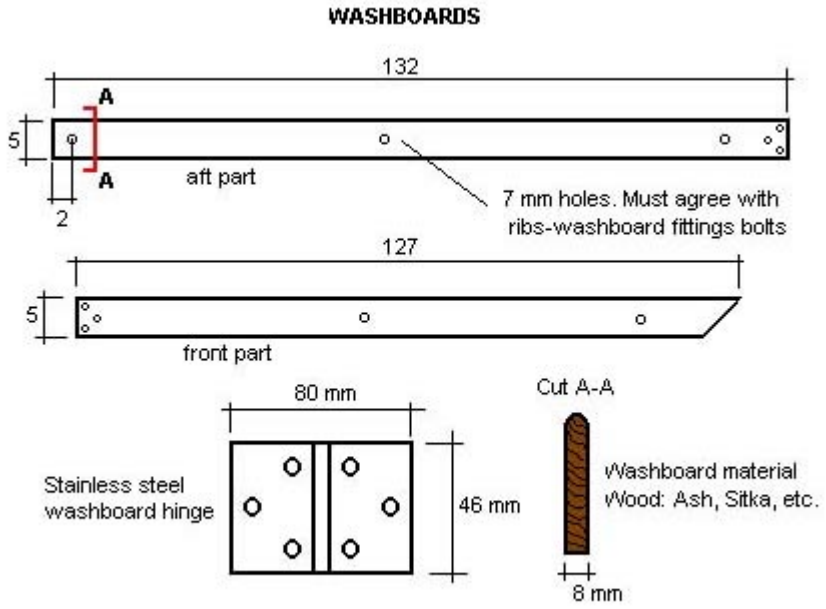
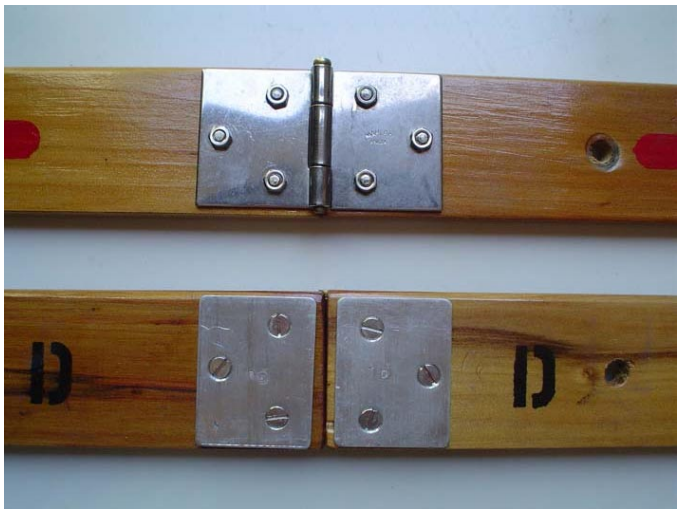
Washboard

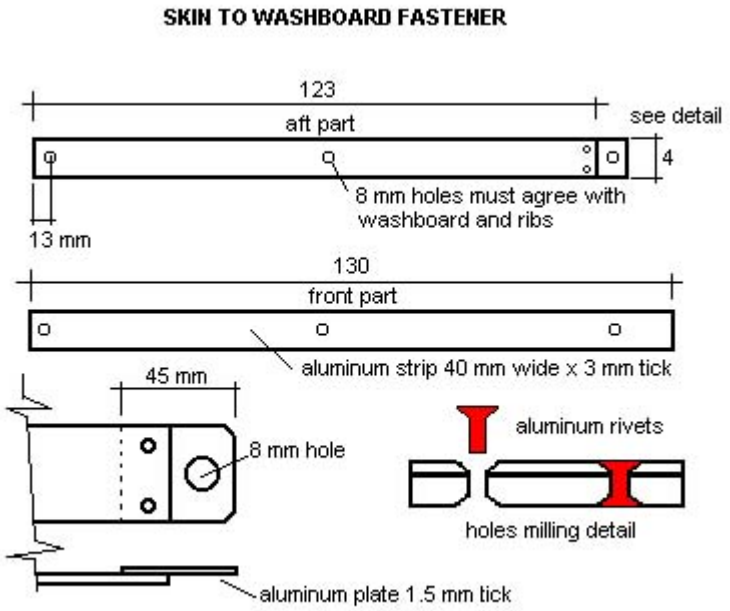
The washboard is made with wood. It is convenient to use a tough wood because the washboard must support the paddler weight when he aboard the boat, and also acts like reinforcement of the cockpit zone helping to the overall rigidity of the frame. I used for it "Paraná pine" but a more known wood may be ash or sitka. I think also that some class of cedar may be used. The following drawing gives the general measures and details. Measures in centimeters, except when specified other.



You must to build two assemblies alike the drawing. As may exist constructive differences between several builders, I don't give measures for 5 of the holes which permit to pass the rib bolts except the rib #6 one. A best method is to mark its directly from the rib fittings on the assembled frame.
To avoid cracks where the hinge is fixed in the wood, I put little aluminum plates on the opposite side of washboard. To fix the hinge use milled head screws. The head from the reinforcement plate, and nuts hinge side. See pic.



The skin is supported around the cockpit with aluminum strips. The skin have a sort of "pockets" into which slides the strips. The following drawings give overall measures and details.



You must build two assemblies like this. When finished be sure that all ribs are placed in the exact position and present one of two washboards on frame. Place the extreme # 6 rib hole in the bolt and mark the exact positions of bolts which belong to ribs # 5 to # 2. Copy bolt positions on the other washboard and skin fasteners and practice all the holes in these parts.

Boomerang.

Assemble the boomerang fittings with 1/8" x 3/4" screws washers and nuts.

Assembling the washboard.



