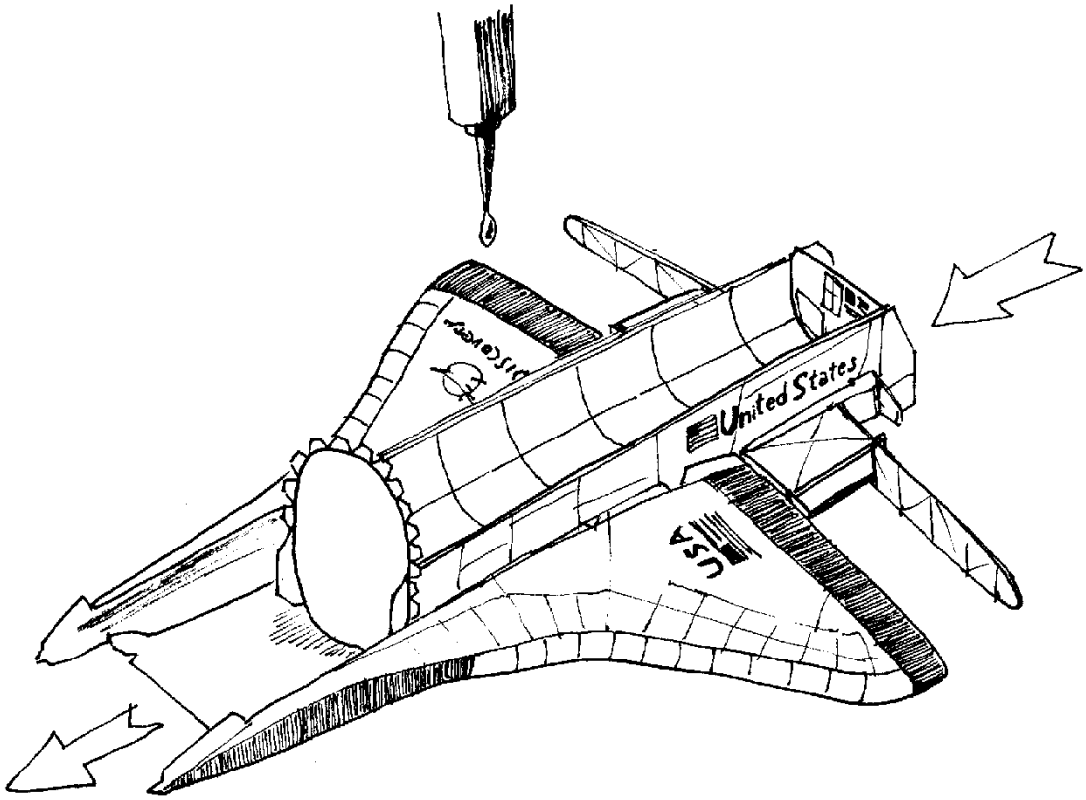
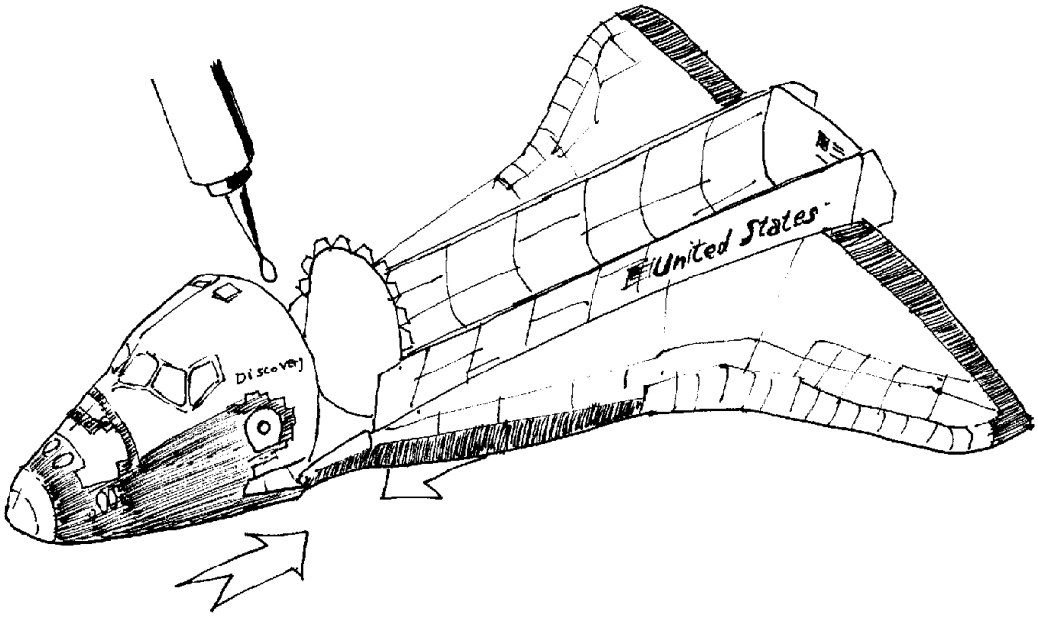
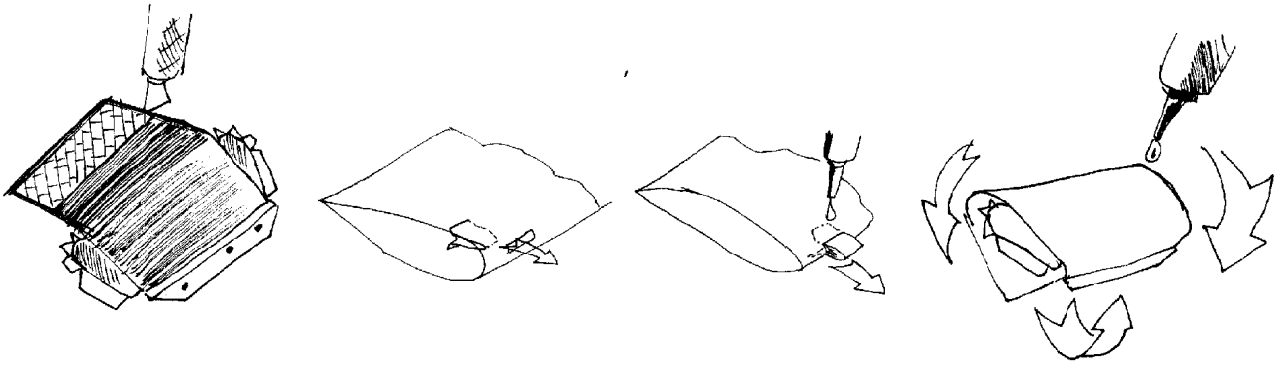
Glue the gluing table 6-23 and 6-24 on the back of the RCC panels at the wing tips. Bend the panel and close the wing tip by gluing the tab on the lower wing surface. The black wing tip will be glued later on.



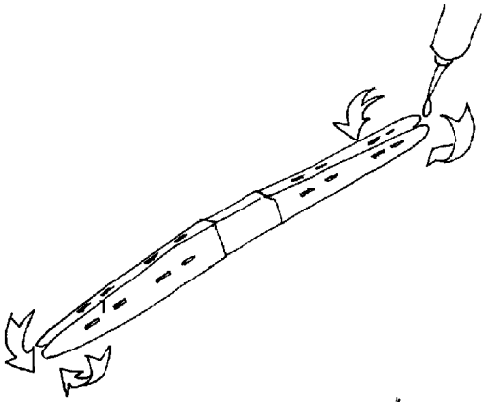
Try to ben both wings in the right shape by leaving weights on them during an entire night. Once the wing stay closed without weight, then insert the cargo bay sliding it from the back side. Glue the wings on the cargo bay tabs. Apply some glue also on the edges of the wing internal structure.



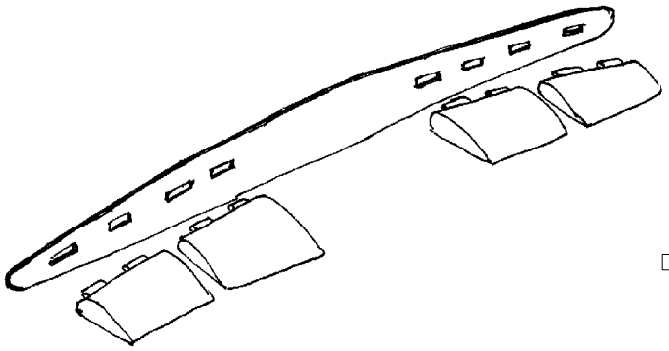
Once the cargo bay and the wings are attached, insert the orbiter fore part and glue it. Try the matching between the part without glue and adjust the tabs before applying the glue.



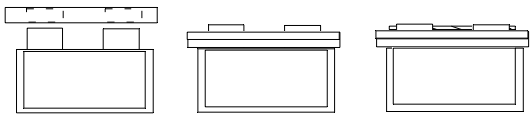
Cut the four elevons 5-10 & 5-11 and the body flap (5-8). Bend and fold them. Cut the hinges 5-9 for the elevons, 5-6 and 5-7 for the body flap. The 5-9, 5-6 and 5-7 have to pass through the slots and glued internally. Once dried, put the glue on the tabs and closes the elevons and flap.

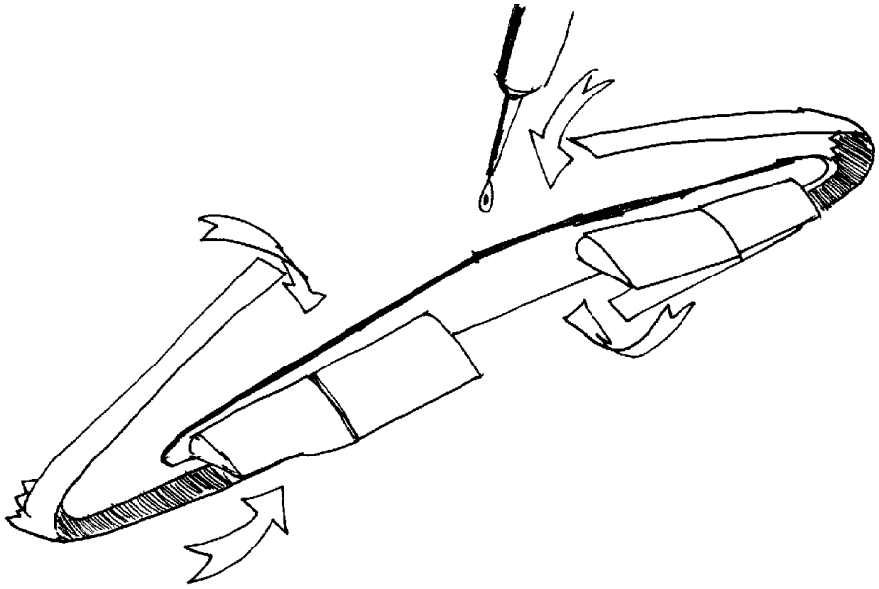


Cut the wings end spar 8-4, fold it and glue the two parts together. Cut the slots for the elevon hinges.

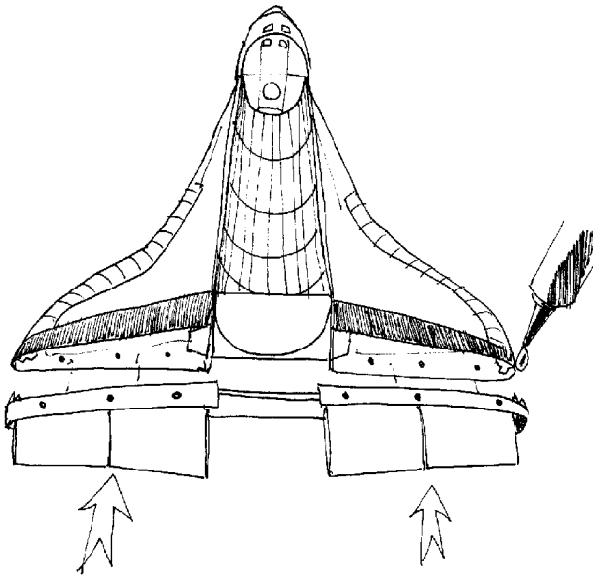


Insert the four elevon in the spar and glue them on the spar. You can also fix them to the spar by introducing a small paper roll inside the hinges once inserted into the slot

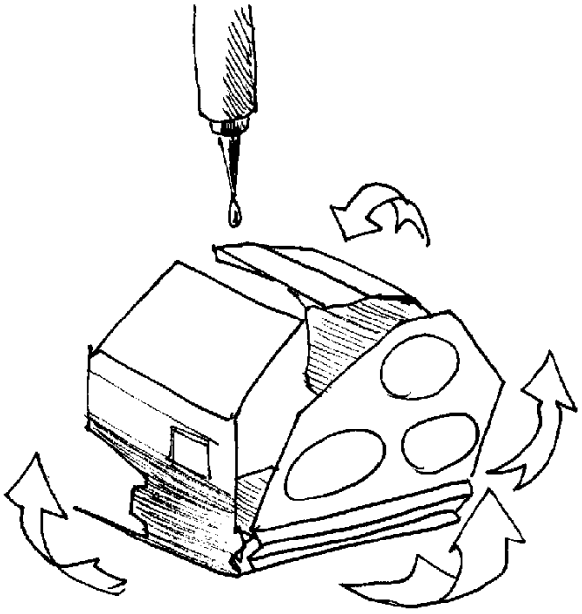




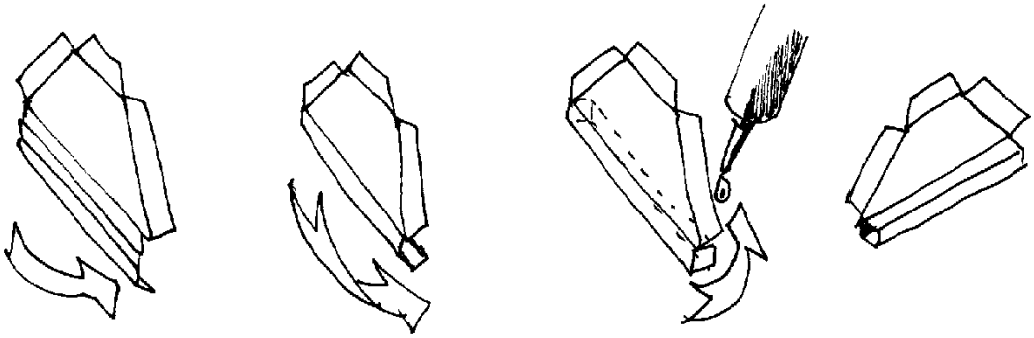
Cut and bend the 6-25 and 7-25. Glue the spar inside it as illustrated. The spar has to be aligned on the centerline. Glue the spar on the painted side, so that the unpainted side stay outside.



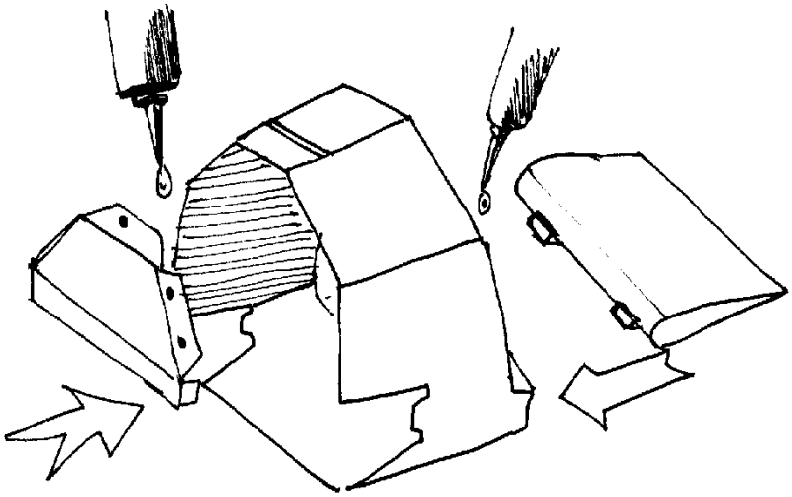
Once it is dried glue the part inside the wing. The spar has to be glued to the cargo-bay lower structure. The gluing tab at the tip are used to glue the black tip of the wings.

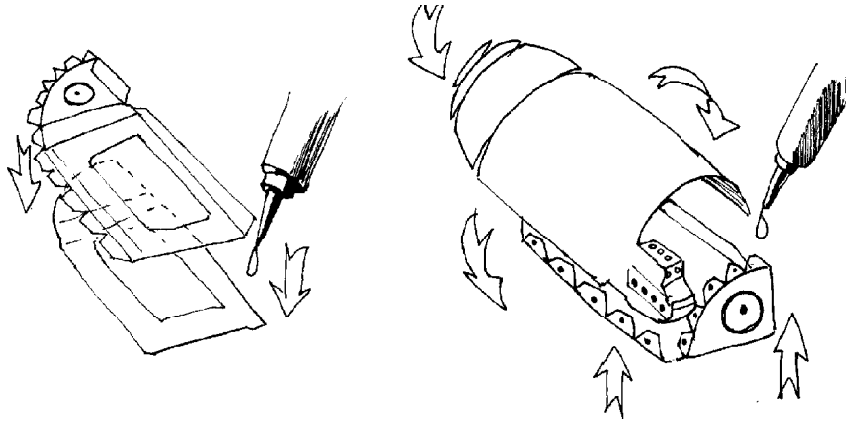


Cut the 8-1 Shuttle engine block and fold it. Fold it carefully with the step used to attach the body flap. Cut the slot and insert the body flap 5-8 already prepared. Put the glue on the gluing tab and close the structure.

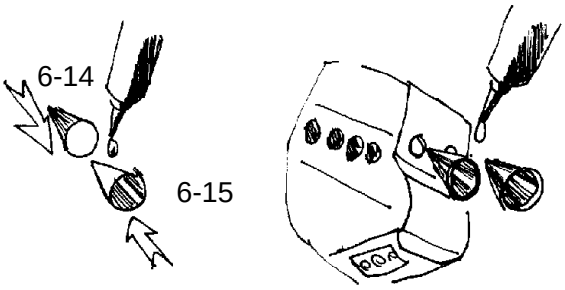


Cut the 8-2 upper part of the aft cargo bay wall. Fold the box spar located in the bottom part of it. Glue it inside the shuttle Engine block.

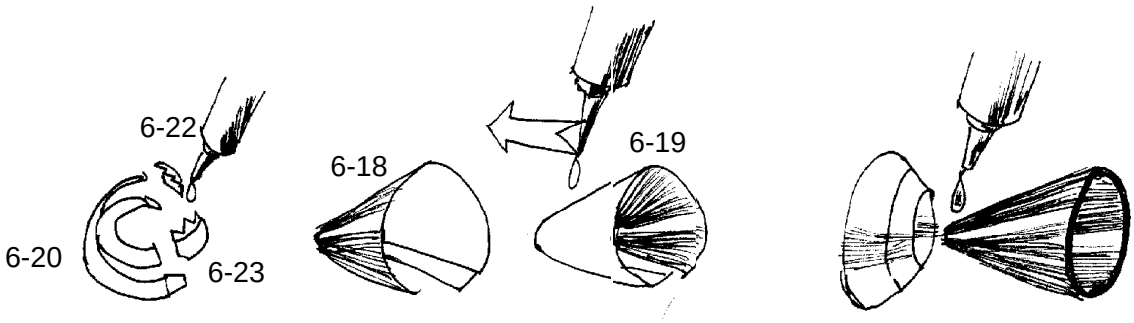


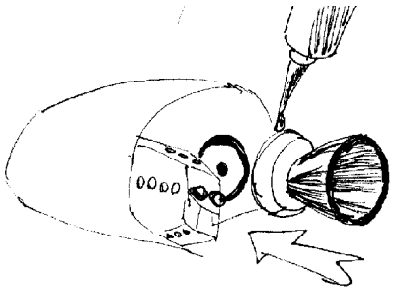


Cut the 8-5 and 8-6 in cardboard and attach them to the 6-17 and 7-17 for a more stiffness. These part represent the base for the Orbital Maneuvering System (OMS) pods. Cut the pods 6-8 and 7-8 bend them and fold the Reaction Control System (RCS) part. Use the gluing tabs 6-9-6-10, 6-11 6-12 and 6-13 for the right pod and the equivalent for the left pod to glue the part in the correct shape. Once the shape is correct glue each pod on its base.

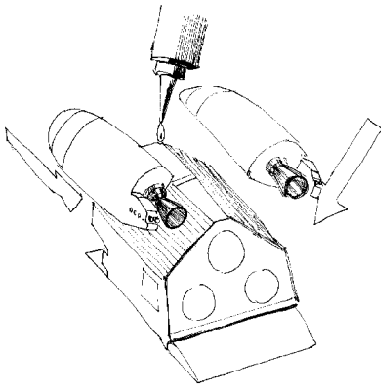


If you want you can cut the holes for the vernier thruster and insert the nozzles 6-16 and 7-16 inside the RCV part. 6-15 and 6-14 are mounted outside to form the two external nozzle of RCS



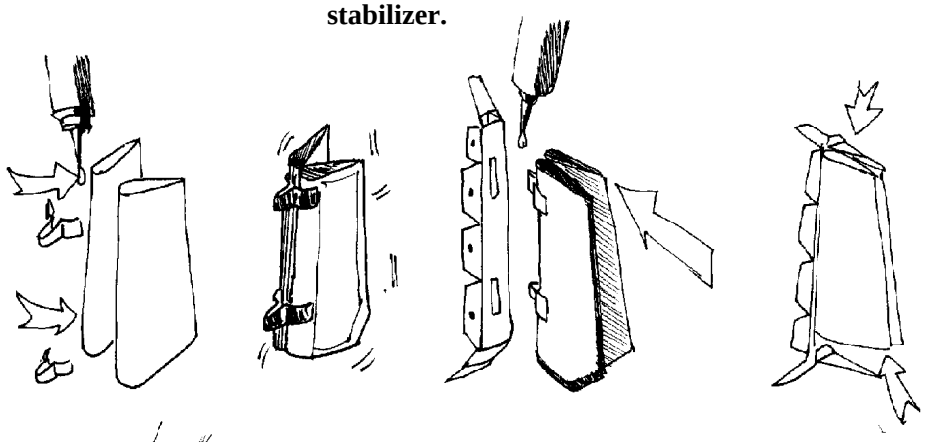


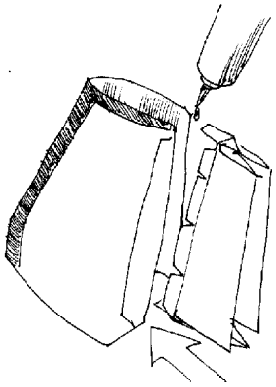
Mount the OMS right engine starting from the gimbal 6-20. Bend and glue it using the 6-22 and 6-23 tabs. Glue the 6-18 (external nozzle) and 6-19 (internal nozzle) together. Leave the hole at the center of the nozzle so that the injectors are visible through it. Glue the nozzle inside the gibal and then glue it to the OMS pod. Repeat the sequence for the left OMS pod.



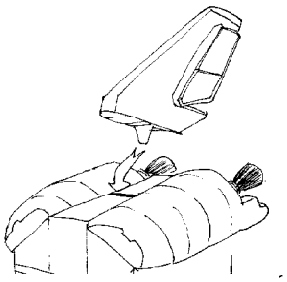
Glue the two OMS pods to the engine block.

Cut, bend and fold the two vertical rudders 5-12 (Left) and 5-13 (Right). Cut and fold the two hinges that have to be mount externally as indicated in the picture 5-5 lower and 5-6 upper. Check that the two rudders can be moved independently. Once glued, paint the back side of the hinges black. Attach the hinges to the vertical spar 8-3 as already illustrate. Glue the triangular parts 5-2 and 5-3 as upper and lower closure of the vertical stabilizer.





Cut, bend and fold the vertical stabilizer 5-1. Insert the spar with rudders and close it with glue. Check that a large gluing tab has to protrude from the bottom part.



Cut the slot in the upper part of the engine rear block. Glue the red dot marked area and insert the gluing tab of the vertical stabilizer in the slot. Fold and glue the tab inside the rear engine block.