

TOOLS REQUIRED

- A sharp modellers scalpel.
- A cutting mat or pad.
- A steel ruler.
- PVA glue

TIPS AND TRICKS

- Precision is the key to cutting out the components to make the glider model.
- Score/crease by lightly dragging your blade along the card only deep enough to allow a clean fold.
- Pre-fold all parts and test fit them before gluing in place.
- A folded tab should sit naturally at a 90 degree angle.



DFS-230 ASSAULT GLIDER

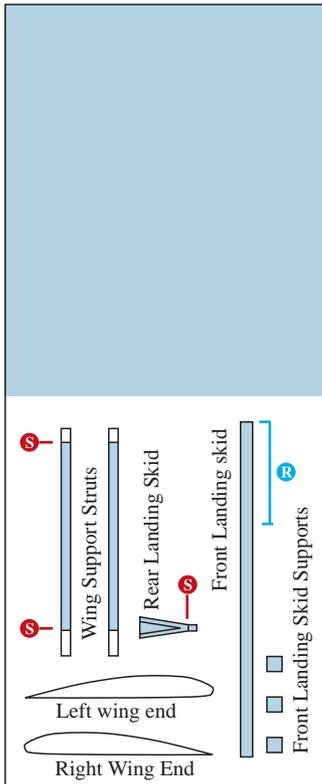


ASSEMBLING YOUR GLIDER

1. Cut out the *Top*, *Left* and *Right Fuselage* sections, *score* and fold all the indicated lines. Cut out the *Small Pieces Section*, glue and fold in half and let dry flat under a weight that won't get damaged if glue seeps out.
2. Glue the tabs marked with a '1' to the *Left Fuselage* section. The back end of the *Top Fuselage* section should line up with the back of the *Tail Slot*.
3. Glue front, top and back edges of the rudder on the *Left Fuselage* section, stick to the *Right Fuselage* rudder and press around the edges. Let the glue dry thoroughly.
4. Glue and attach tabs marked with a '2', '3' and '4' in that order letting the glue dry thoroughly between each step (notice how in step 4 the roll on the nose gives the DFS-230 its distinctive rounded front).
5. Cut out the *Bottom Fuselage* section and glue it into place working from the tail to the front of the glider making sure it is flush with the *Left* and *Right Fuselage* sections. **The basic fuselage is now complete!**
6. Cut out the *Left Wing* and *Roll* the leading edge, glue only along the trailing edge, pull the two trailing edges together and hold in place until the glue dries (notice how the roll on the front of the wing gives the wing an aerodynamic shape). Cut out the *Left Wing End* from the *Small Pieces Box*, add some glue around the edges and push it into the end of the wing, try and keep it flush by slowly working it into place. This will keep the wing in the right shape and give a good flat area to glue the wing to the fuselage. **Repeat this step for the Right Wing.**
7. Cut out the *Tail Section*, fold in half and glue.
8. Cut out the *Canopy Section* and glue the tab marked '5' to the left side of the canopy.
9. Slide the *Tail Section* into the *Tail Slot* under the rudder and glue.
10. Glue the *Canopy Section* in place, holding the sides to the same width as the Fuselage.
11. Cut out the *Wing Support Struts*, glue the *Left Wing* on to the fuselage where indicated, glue the *Support Strut* in place, attaching one end to the white box on the fuselage, the other to the white box on the underside of the wing. Let the glue dry thoroughly and then repeat for the *Right Wing*.
12. Cut out the *Front Landing Skid Supports* and glue by the edges to the three white boxes indicated on the Bottom Fuselage, Let the glue dry thoroughly.
13. Cut out the *Front and Rear Landing Skids*, glue the rolled end of the *Front Landing Skid* to the white box indicated on the Bottom Fuselage, then glue to the *Landing Skid Supports*.
14. Finally add the *Rear Landing Skid*. Let the glue dry. **You have now completed your first DFS-230 Assault glider!**

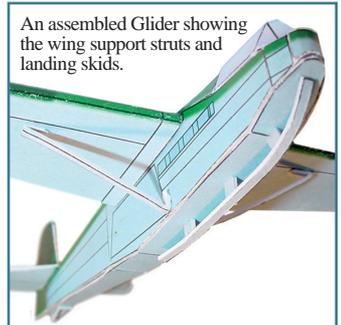
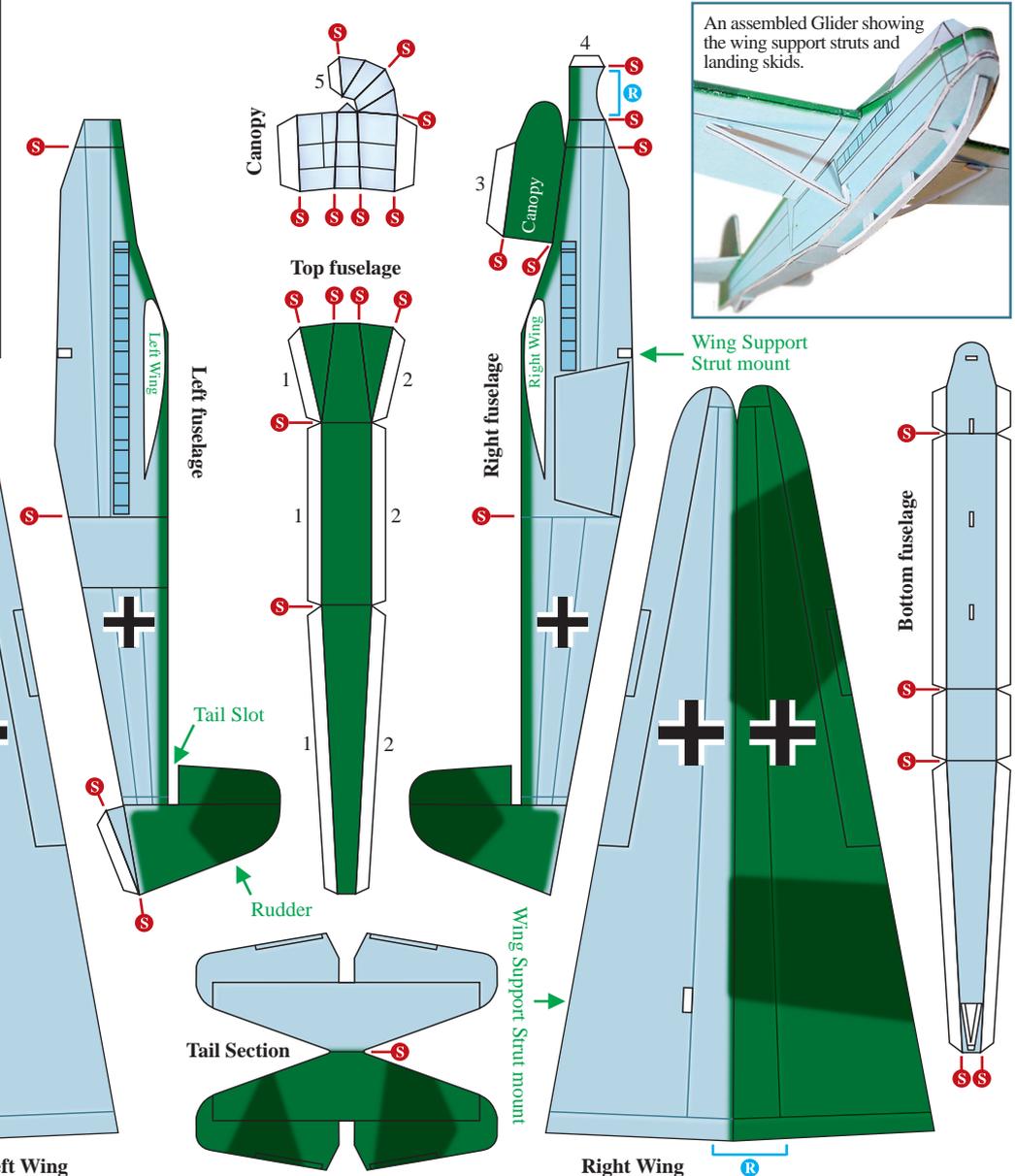
KEY

- R** Roll this area by carefully bending the card evenly along the indicated area making a nice curve.
- S** Carefully score this line only deep enough to allow a clean fold.



Small Pieces Section

(cut out the whole section, fold in half and glue).



An assembled Glider showing the wing support struts and landing skids.