



# FALCON

# Clear-Vax Canopies

©

## 1/72 SCALE CANOPY SET No.24 USSR: Part 1, World War II

### USING REPLACEMENT CANOPIES

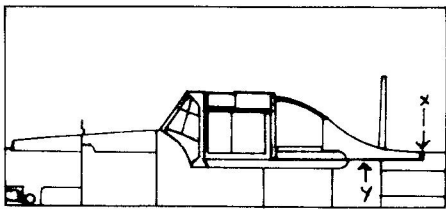
**Trimming:** Insert a new blade into your modelling knife or scalpel. To separate the canopy from its base, score very gently around the ledge moulded at the bottom. Do this very lightly at first, with minimum pressure. Repeat the process until the canopy pops away from the ledge. If you score too heavily at first you risk slipping and ruining the canopy. Finally, any rough edges can be cleaned up by lightly sanding with fine wet-and-dry paper. If you intend separating the canopy for display in the open position, we suggest cutting the break-lines before you cut the canopy from its base.

**Gluing:** Cyanoacrylate (superglue) can be used to fix the canopy to the kit. It gives a fast-setting permanent joint, but fumes given off when setting can cause frosting on clear parts. Where possible, mask around the joint with masking fluid or tape. PVA (white glue) is also useful as it is partly gap-filling, doesn't attack the plastic, and dries clear.

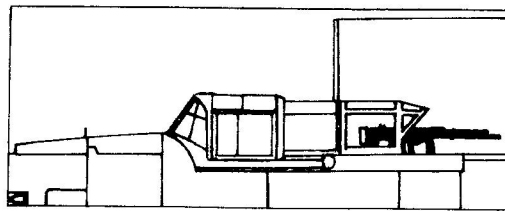
**Painting:** The best way to achieve crisp and convincing frame lines is by applying pre-painted strips of decal film. Paint part of a sheet of clear decal film, then cut strips of the correct width with a sharp blade and a straight-edge. Decal film sticks better to a painted surface than to bare plastic, so you will have to paint an undercoat on the frame lines marked on the canopy. This technique may not be suitable for canopies with large or irregularly shaped framed areas. For these canopies we suggest you mask the clear areas with clear adhesive tape and then remove the masking after painting.

**Which kit?** Please note that where we suggest a certain kitset as suitable for our replacement canopy, the suggested kit is generally regarded as the most accurate model to the given scale. We cannot guarantee that our canopy will fit other kits of the same subject.

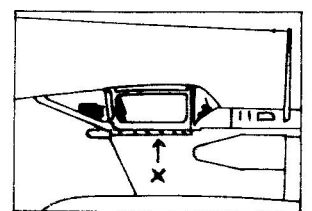
- 1. Ilyushin Il-2 Stormovik.** *Suggested kit: Mikro Il-2m3.* Using the scrap drawing as a guide, carefully cut away the kit rear decking at the lines marked X and Y. Then fit the Clearvax canopy in place, noting that the rear of the sliding section is designed to overlap the canopy rear. Some thinning down of the moulded side rails on the fuselage is necessary for better accuracy. The crossed lines on the sides of the windscreen were not present on all Il-2s. Add them if required. *Suggested reference: Squadron/Signal 'In Action' No.155; Profile 88.*
  - 2. Ilyushin Il-2m3.** *Suggested kit: Mikro Il-2m3.* The Clearvax canopy directly replaces the kit item. Thin down the kit canopy rails for better accuracy.
  - 3. MiG-3.** *Suggested kit: Red Star MiG-3.* Note on the drawing the shaded area marked X. This indicates where the kit fuselage has an incorrectly deep sill line. If fitting the canopy closed, merely fill this area in. If building the canopy open, build up this area with plasticard and trim the corresponding excess from the sliding section. *Suggested reference: Soviet Air Force Fighters, part 1 (Green and Swanborough, ARCO).*
  - 4. Yak-1.** *Suggested kit: Mikro Yak-1M.* In order to fit this canopy, cut away the kit rear decking using the dotted line as a guide. *Suggested references: Squadron/Signal No.78 Yak Fighters in Action; Air International, June 1975; Soviet Air Force Fighters part 2 (Green and Swanborough, ARCO).*
  - 5. Yak-1M.** *Suggested kit: Mikro Yak-1M.* The Clearvax canopy directly replaces the kit item.
  - 6. Yak-7.** *Suggested kit: Mikro Yak-1M.* The drawing shows the Yak-7V two-seat canopy, as supplied. To make a Yak-7 single-seat canopy simply sand the framelines off the rear section and paint over it. An aerial mast will need to be added (shown dotted).
  - 7. Yak-1/7 (alternative windscreen).** *Suggested kit: Mikro Yak-1M.* This canopy is provided to be used for those Yak-1 Yak-1M and Yak-7 aircraft fitted with a slightly different windscreen with rounded upper armour-glass and rounded sides. Check your references and use if required.
  - 8. Yak-3.** *Suggested kit: Hasegawa Yak-3.* The Clearvax canopy directly replaces the kit item. *Suggested reference: Air International, November 1975.*
  - 9. LaG-5.** *Suggested kit: Co-operativa LaG-5.* The Clearvax main canopy directly replaces the kit item. Use the kit rear windows. *Suggested reference: Squadron/Signal 'In Action' No.163.*
  - 10. LaGG-3.** *Suggested kit: Frog/Red Star/Emhar LaGG-3.* The Clearvax canopy directly replaces the kit item.
  - 11. La-5FN (open).** *Suggested kit: Italeri La-5FN.* Building the Italeri kit with the canopy open will disguise the excessive fuselage taper around the cockpit area.
  - 12. La-5FN (closed).** *Suggested kit: KP La-5FN.* The Clearvax canopy directly replaces the kit item. If building the canopy open, use the rear of this canopy with the front sections of canopy no. 11.
  - 13. La-9/11.** *Suggested kit: MPM La-9/11.* The Clearvax canopy directly replaces the kit item. Use the kit fuselage and landing light covers.
  - 14. Polikarpov I-153.** *Suggested kit: SMER I-153.* The Clearvax canopy directly replaces the kit item. *Suggested reference: Squadron/Signal 'In Action' No.157.*
  - 15. Polikarpov I-16.** *Suggested kit: Hasegawa I-16.* The Clearvax canopy directly replaces the kit item. *Suggested reference: Squadron/Signal 'In Action' No.162.*
  - 16. Tupolev SB-2.** *Suggested kit: Frog/Novo SB-2.* In order to fit the nose turret, carefully cut away the kit nose at the line marked X-Y. When fitting nose guns do not cut out the slots as these were clear and followed the guns' traverse. Simply drill holes at the desired position and fit the guns in place. The Clearvax main, rear and upper nose canopies directly replace the kit items. *Suggested reference: Air Enthusiast 27 (Finnish usage).*
  - 17. Petlyakov Pe-2.** *Suggested kit: Italeri Pe-2.* The Clearvax main canopy, dorsal turret and mid-upper window replace the kit items. Use the kit side, lower and nose canopies. *Suggested references: Air International, August 1979; Airfix Magazine, February 1982.*
  - 18. Ilyushin Il-4.** *Suggested kit: Zvezda Il-4.* The Clearvax items directly replace the kit canopies. A spare nose entry door is provided for display in the open position. Some early Il-4s had an extra clear section aft of the pilot's sliding canopy. If fitting this extra piece, cut away the kit fuselage at the line marked X. *Suggested reference: Air International, March 1986.*
  - 19. Ilyushin Il-10.** *Suggested kit: KP Il-10.* The Clearvax canopy directly replaces the kit item.
- At present, the best reference for Russian aircraft of WWII is 'Red Stars', by Geust, Keskinen and Stenman. It is highly recommended. It covers all the types contained in this canopy set.**



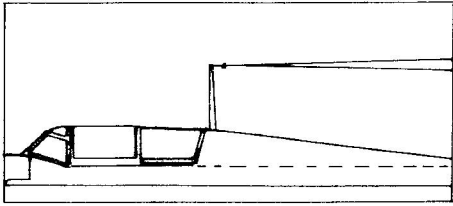
1. Ilyushin Il-2 Stormovik



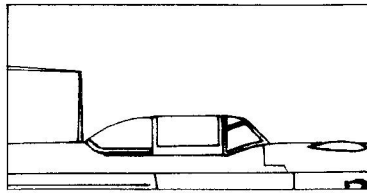
2. Ilyushin Il-2m3



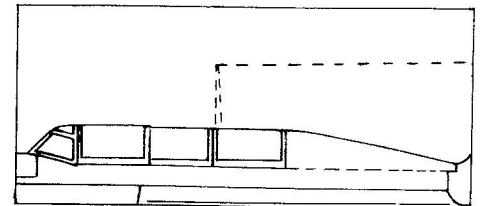
3. MiG-3



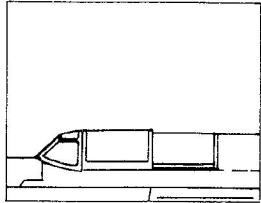
4. Yak-1



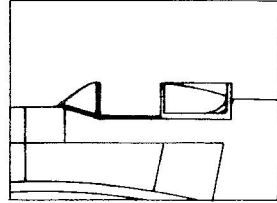
5. Yak-1M



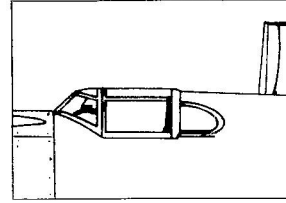
6. Yak-7



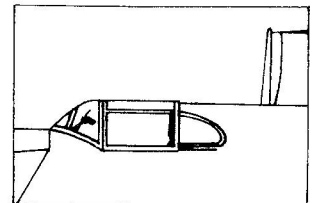
7. Yak-7



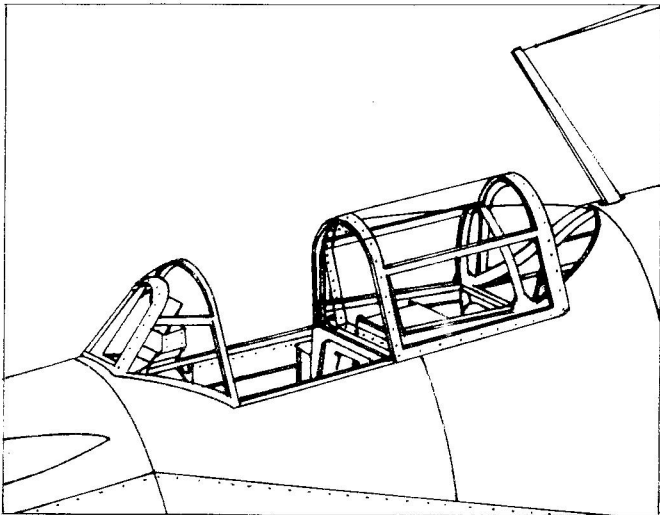
8. Yak-3



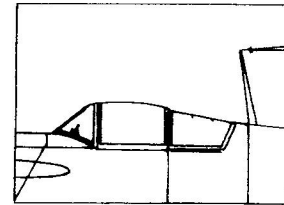
9. LaG-5



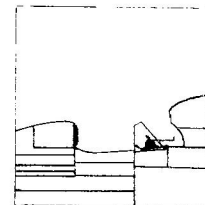
10. LaGG-3



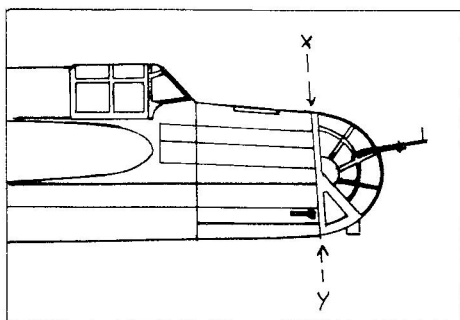
11/12. La-5FN



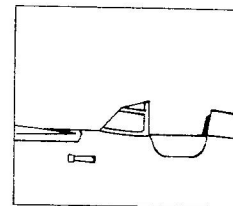
13. La-9/11



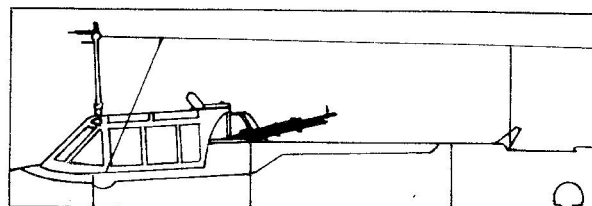
14. Polikarpov I-153



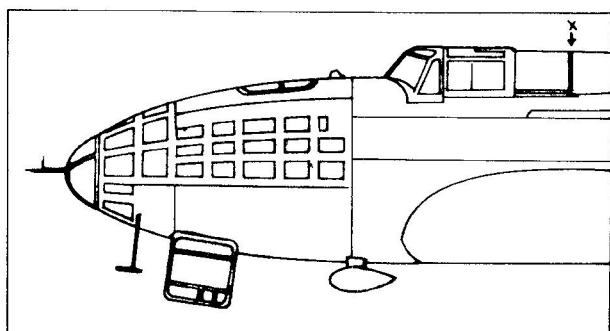
16. Tupolev SB-2



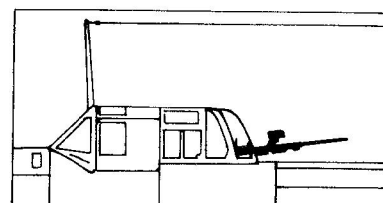
15. Polikarpov I-16



17. Petlyakov Pe-2



18. Ilyushin Il-4



19. Ilyushin Il-10