

RED ROO MODELS 1/48 SCALE MIRAGE IIIO CONVERSION FOR THE HELLER KIT

Congratulations on purchasing a Red Roo Models Mirage IIIO Conversion kit. This conversion kit is made from polyurethane and is compatible with most types of plastic and epoxy kits available today. This kit provides you with a new nose cone, a tail cone, two Sidewinder launch rails, the ventral fuel tank, a plug for the rear of the cockpit, the additional vents required for the single seat RAAF Mirage and a plug for the rear of the nose landing gear bay. There is no pitot tube included because this will allow you to either use the Heller kit part or make your own. This conversion is designed for the 1/48 scale Heller IIIB/C Mirage kit.

USING THE CONVERSION KIT WITH THE 1/48 SCALE HELLER MIRAGE IIIB/C KIT

As with any plastic, work in a well ventilated room and use lots of water when cutting or sanding to keep plastic dust down. Avoid inhaling fumes or dust - a light surgical mask is recommended. Avoid eating or drinking while working and wash your hands thoroughly when you finish. Remove moulding plinth from conversion parts.

Begin by joining the two-seat forward fuselage halves together (parts 5, 6 & 73). Carefully glue the single seat cockpit tub (part 31) in place. Fit the single seat instrument panel to the cockpit tub (part 57). Carefully cut off the rear instrument panel coaming and shape the cockpit sill to continue the line of that of the forward sill. Extra care taken here will ensure a better fit for the resin plug later on. You may need to deepen the sill to accept the single seat canopy. Carefully cut the dorsal fin fillet away from the vertical fin on both fuselage halves (parts 1 & 15), ensuring that the line of the fin leading edge is continued to the fuselage. On some kits you may need to insert a 5 thou plastic card shim and build up the leading edge with filler. Now carefully cut away the kit tail cone and exhaust area, using the panel line marked on the kit as a guide. When you cut this portion off make sure the curve at the bottom of the rudder is preserved. Be aware that the fuselage will warp as the tension absorbed by the fin fillet will be released once it is removed. Remove the tip of the vertical fin base from part 52.

Now glue the fuselage halves together. It may be necessary to glue short strips of scrap plastic along the edges of the parts to act as locking lugs. Use a piece of sprue to brace the forward end of the fuselage, ensuring the sides do not turn in and under. Glue the Red Roo Models tail cone in place. Fit the two seat forward fuselage to the rear fuselage and glue part 52 in place along the top of the rear fuselage. It may be necessary to add some thin strips of plastic to the inside of the fuselage to support this part. Apply filler to the join from the inside. Close the hole at the base of the fin from the inside with a small piece of scrap plastic and fill the resulting dip from above. Fit the Red Roo Models upper fuselage plug to the rear of the cockpit. Some adjustment may be required. We suggest filling the gap between the plug and the cockpit tub with Ferropre and carving to shape to finish the cockpit. You may wish to modify the rudder actuator as the RAAF Mirage was fitted with a different style of actuator to French aircraft. Assemble the wings as per the kit instructions, but, place several stacks of scrap plastic along the wing root to ensure the wing upper surface mates with the fuselage. This will save you a lot of extra work filling and sanding. Glue the Red Roo Models ventral fuel tank in place. Glue a small piece of scrap plastic over the inside surface of the nose landing gear bay cut out at the front of the wing. Now fit the Red Roo Models nose cone in place (the notch on the nose cone locking lug simply indicates the top surface of the nose). Now cut the forward

portion of the outer elevon actuators off the kit parts (part 28 - two of). Glue the Red Roo Models Sidewinder launch rails in place, followed by the rear portion of the kit actuator. Blend in the rear portion with PVA or Kristal Kleer. Now carefully sand down the resin plug to fit the rear of the nose landing gear recess at the forward end of the wing. It may be necessary to trial fit from time to time to check on progress. Fit the additional air vents to the underside of the fuselage next to the gun troughs. Glue one directly over the grill depicted on the kit part and the other in the same position on the left hand side of the wheel well (no grill shown on that side). Complete the kit as per the kit instructions. Fill and blend to shape by sanding where required.

Use a "super" glue to attach conversion parts. Use your favourite filler to fill any gaps. We recommend Ferropre. It is recommended that you use suitable ejection seats from the Aeroclub or True Details range. Check your references carefully during construction.

THIS CONVERSION KIT IS DESIGNED FOR THE EXPERIENCED MODELLER AND IT WILL BE NECESSARY FOR YOU TO PERFORM A NUMBER OF KIT-BASHING TASKS. AS USE OF THIS PRODUCT IS BEYOND THE CONTROL OF THE MANUFACTURER NO WARRANTY IS IMPLIED OR GIVEN. THIS CONVERSION KIT IS NOT SUITABLE FOR CHILDREN.

WHAT YOU NEED

One Red Roo Models Mirage IIIO Conversion Kit

Some scrap plastic, filler, super glue, wet & dry paper, a razor saw, and a hobby knife.

A 1/48 scale Heller Mirage IIIB/C kit.

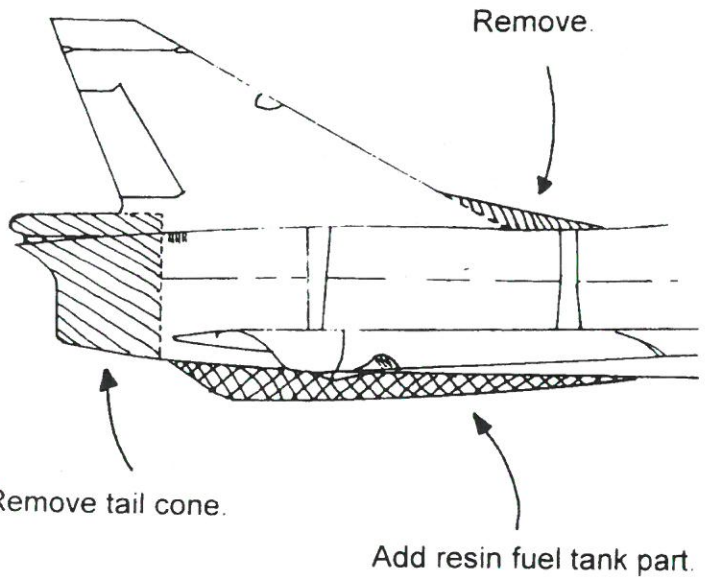
SAFETY FIRST!

The parts in this conversion kit are moulded in polyurethane. As with any plastic, wear a dust mask or other protective breathing device to avoid inhaling dust particles when cutting or sanding. Use copious amounts of water to keep dust down. Wash hands and parts thoroughly when finished sanding/cutting. When using epoxy or super glue avoid inhaling vapours; avoid spilling glue on skin or contact with eyes. Work in a well ventilated area and do not consume food or drink while working with this conversion. The use of disposable gloves is advised.

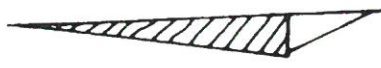
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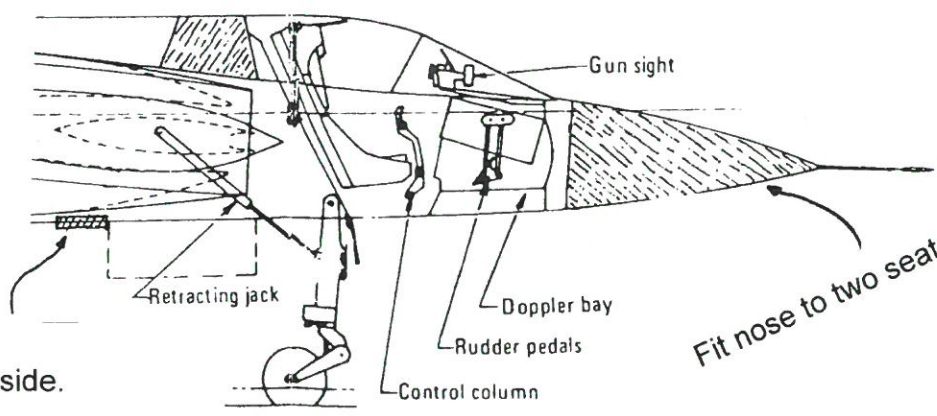


Remove forward part of elevon actuator and replace with Red Roo launch rail resin casting.

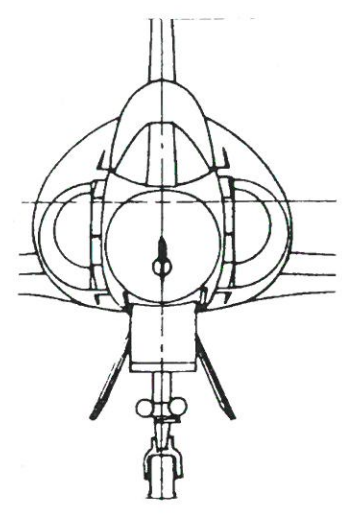
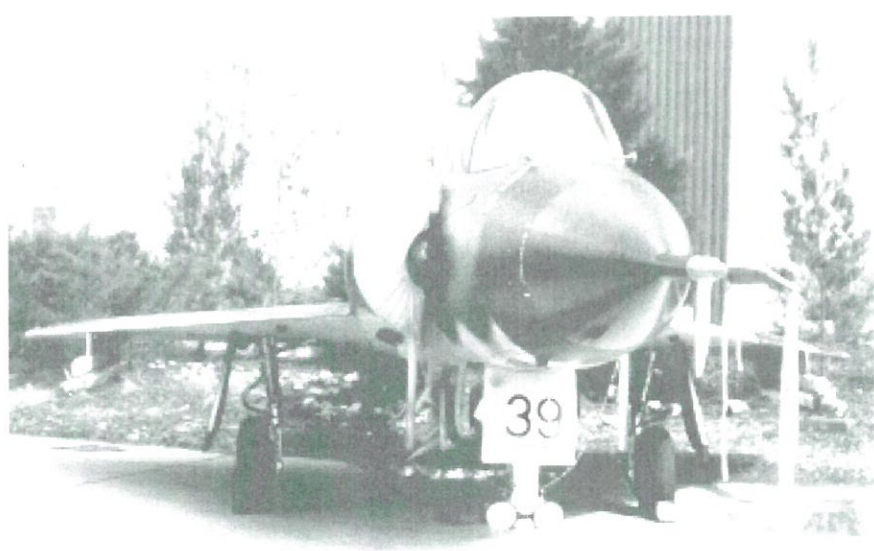


Fit plug to upper side.

Cross hatched sections are resin parts added to fuselage.



Fit plug to underside.



S.E.M.M.B EJECTION SEAT MK OM4-MARTIN BAKER PATENT

FULLY EQUIPPED SEAT

