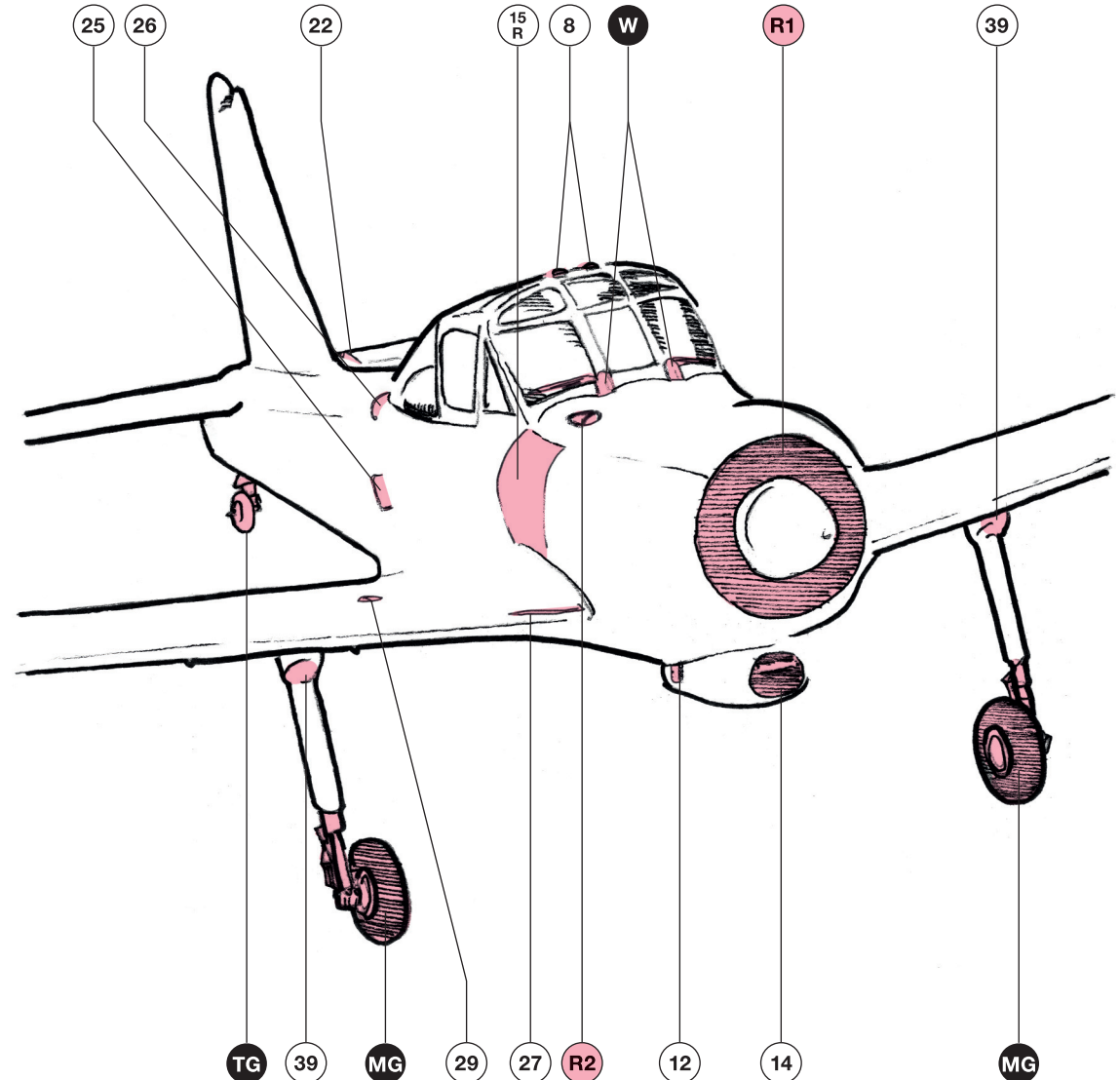
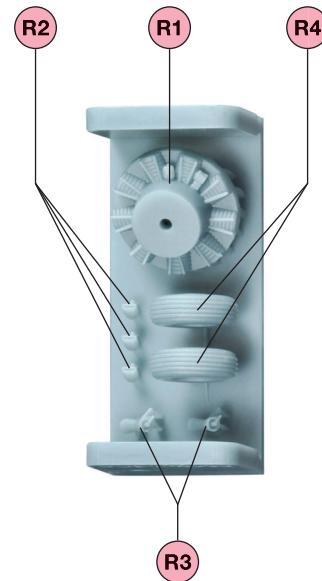
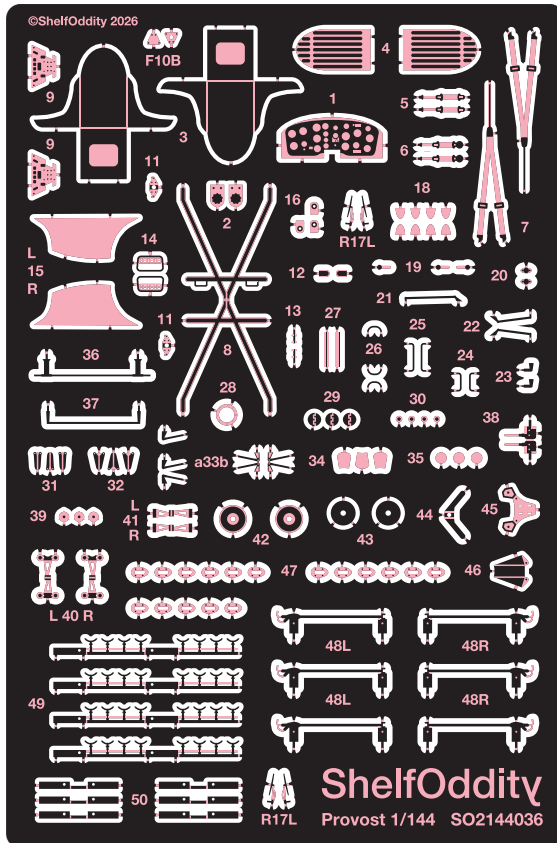


SO2144036

1/144 Provost for Miniwing kit

Shelf
Oddity



This photo-etched detail set is designed for the very nice Miniwing kit. We focused on updating both interior and exterior areas of the kit which may benefit from the brass and resin treatment.

Beside the brass fret, we have prepared a 3D-printed set featuring the complete replica of *Alvis Leonides 25* engine, main wheels, small air scoop and venturi tube.

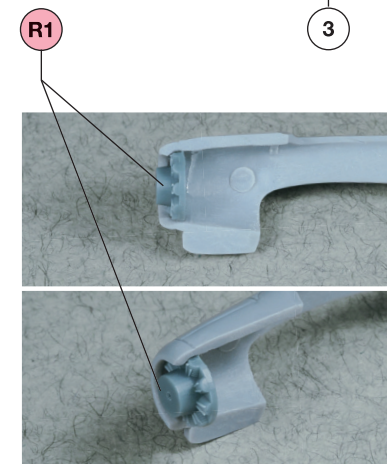
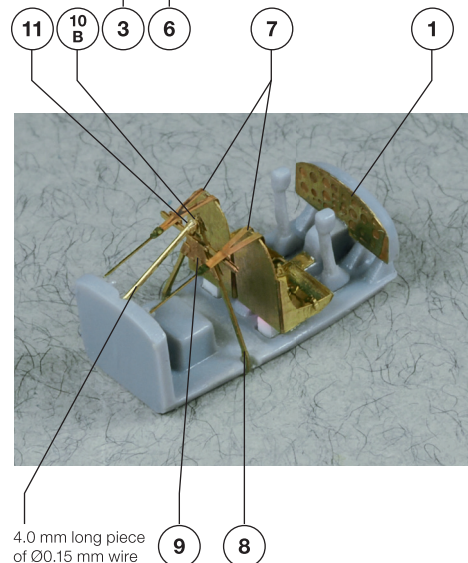
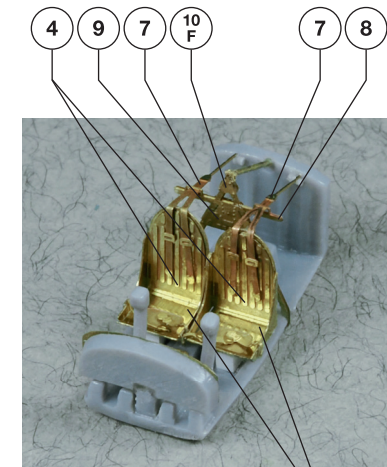
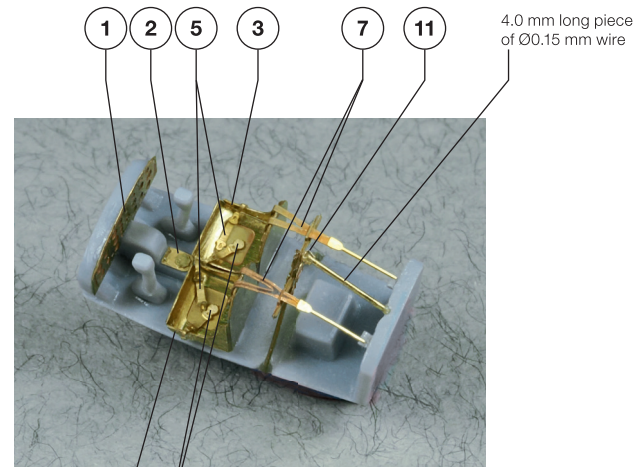
The interior makes a very prominent part of this model. That is why we have included cockpit details in this set.

Beside the instrument panel (1) and small cockpit panel (2), two pilot seats (3,4) with seat harnesses (5-7) are present. The seat belt setup in Provost is quite unusual and it requires replicating the cockpit internal framing (8-11), through which the shoulder seat belts (7) are stretched.

Use two small chunks of plastic rod to prepare belts mounting drums located on the rear wall of cockpit tub.

Another thing to do before closing the fuselage halves is to fit the engine replica into its front part. The resin engine (R1) directly replaces the kit's part no.12.

Make sure that the engine crankcase protrudes 0.5 mm in front of the engine cowling edge. This will allow enough distance between the propeller and front of the fuselage.



! The engine (R1) should protrude about 0.5 mm in front of the engine cowl.

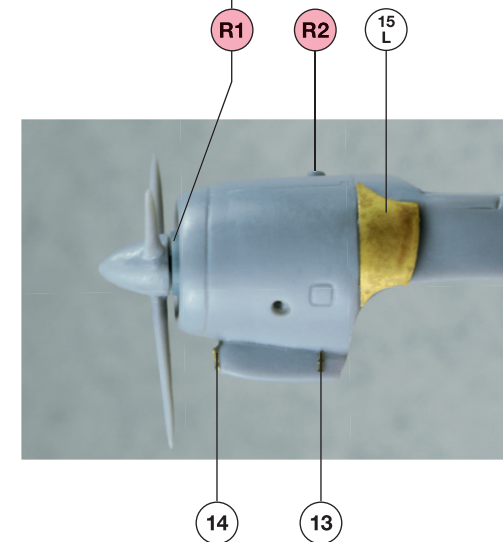
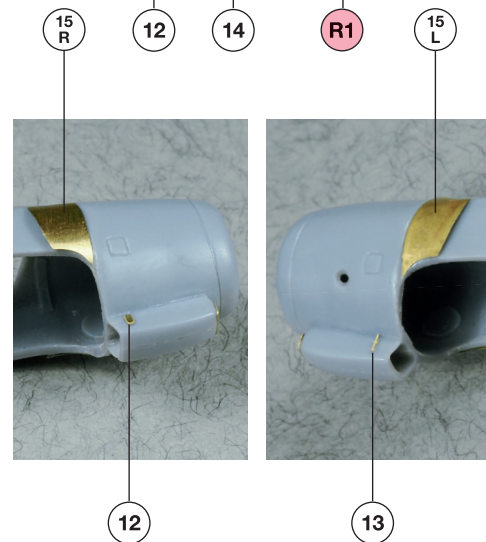
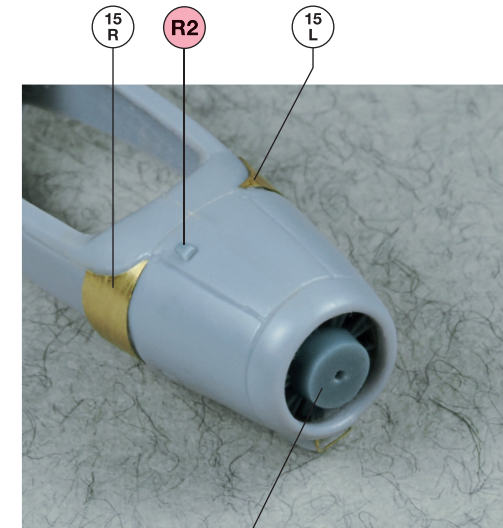
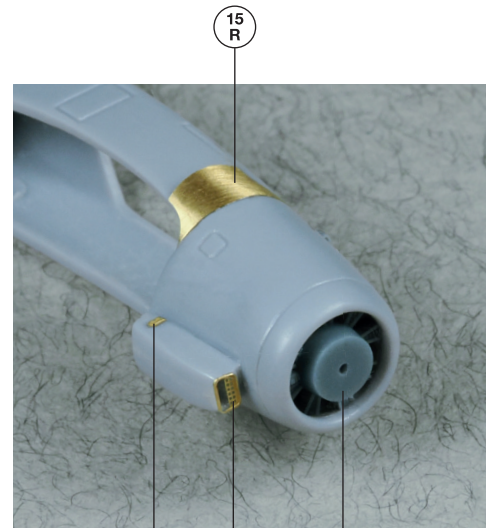
SO2144036

1/144 Provost for Miniwing kit

Shelf
Oddity

The engine cooling gills (**15**) are tightly fitted into the fuselage curvature. It is recommended to carefully remove their plastic imitations from fuselage halves as a first thing when working with this set. Both gills (these are handed) need to be shaped before application to the model.

Small details of the oil cooler (**12,13**) plus its front edge (**14**) are further details in the engine area of the kit. The last bit is the tiny resin air scoop (**R2**) visible on the upper part of the cowl.



! Propeller should not touch the front edge of engine cowling.

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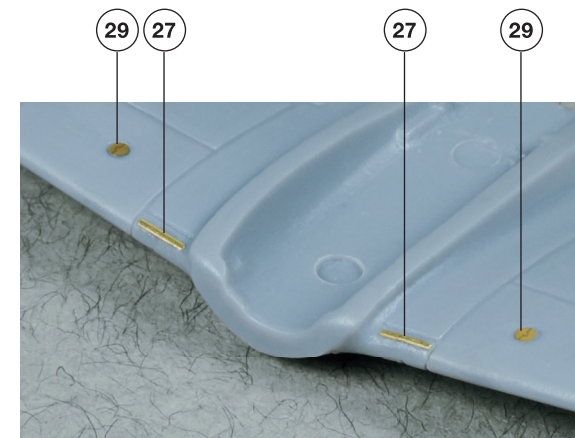
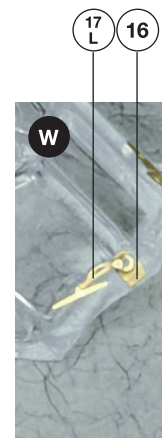
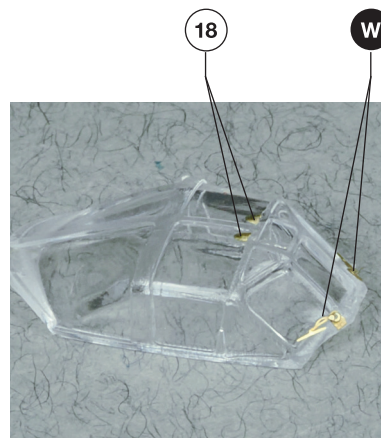
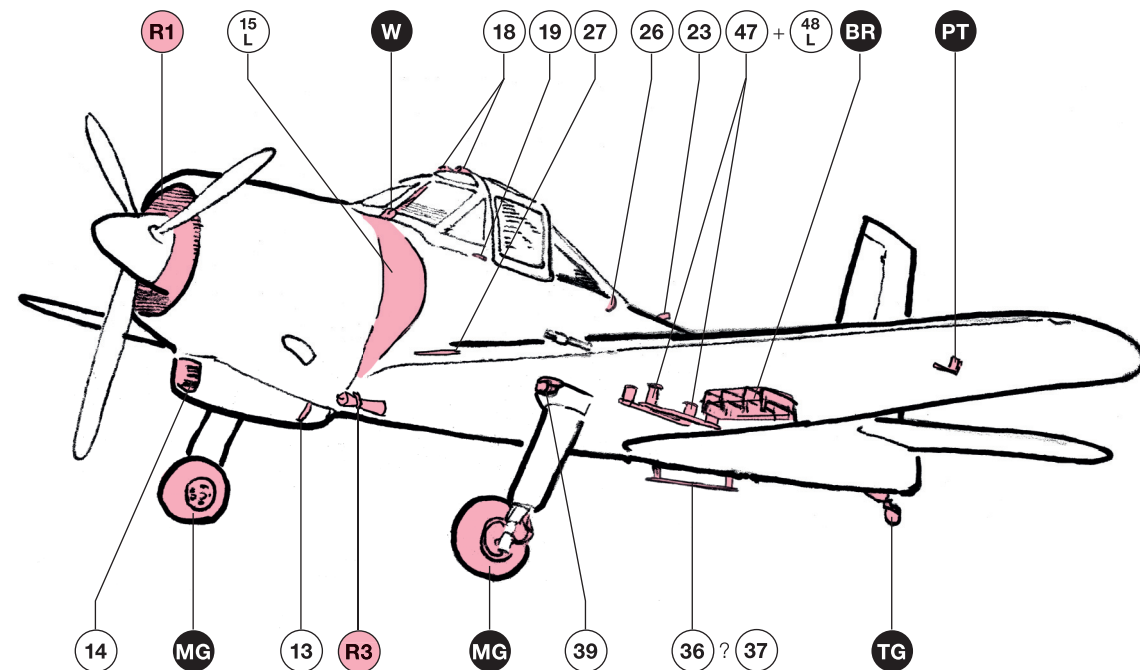
Shelf
Oddity

The cockpit glazing is really translucent and clear despite its thickness. It can be further enhanced with windscreen wipers (**W**) and small scoops (**18**) present on its top. The scoops need to be shaped before application to the model, eg. using blunt dental tool.

A few details adorn upper parts of the wing – fuel tank caps (**29**) and leading edge protecting stripes (**27**).

Further details on an upper part of the aircraft are small vent just behind the cockpit (**23**), the horizontal rudder trim tab push rod (**22**) on the port side and various handles (**25,26**). Check the photos of your chosen aircraft to see if both handles are present and if these were fitted on both sides of the machine.

The port lower side of the vertical stabiliser also features push rod (**21**).



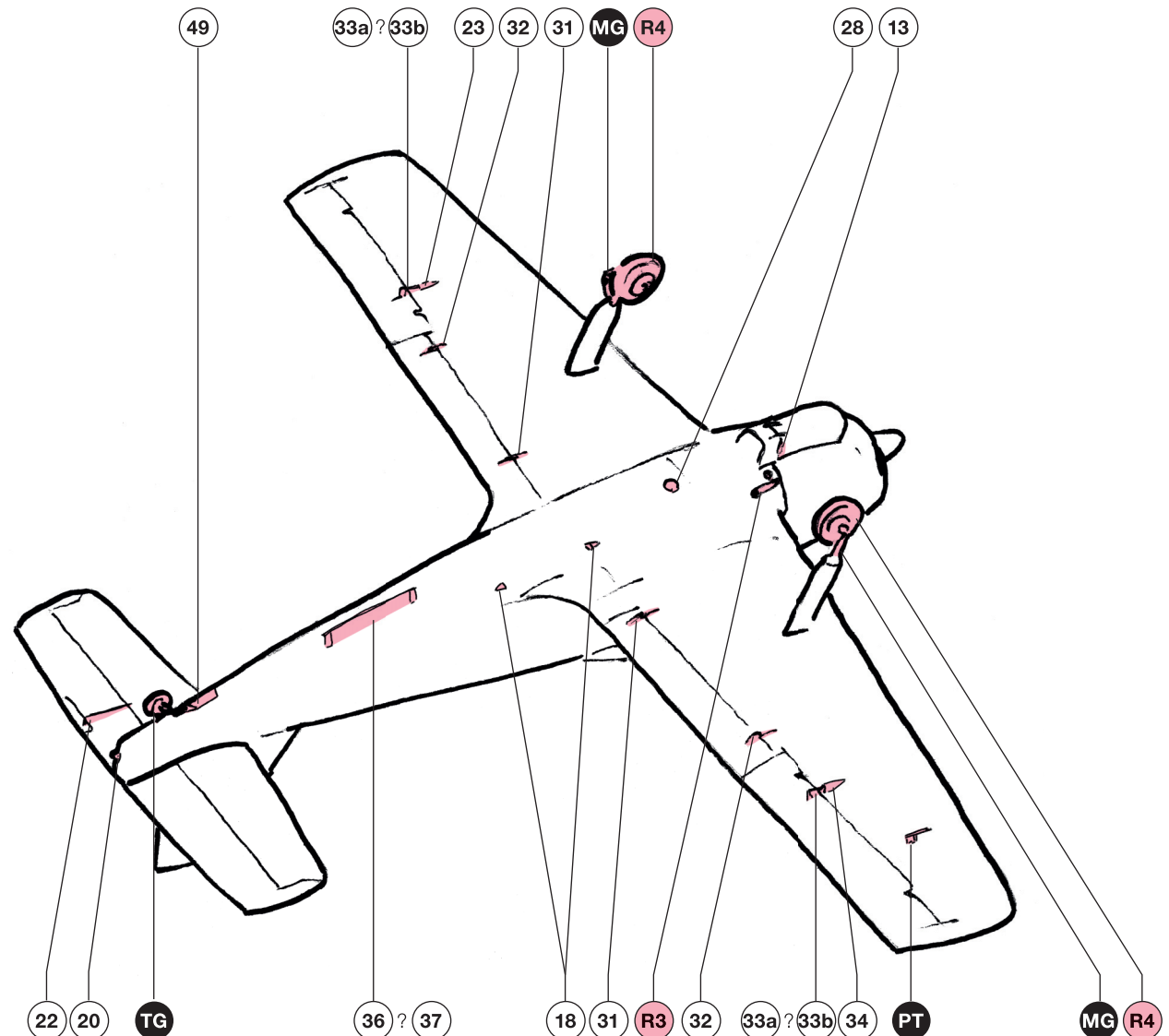
Quite a lot of details is present on the bottom side of *Provost*.

As some of you may be tempted to build a diorama of this plane in inverted flight (quite a common sight from *Provost* service) we have included a plethora of small bits visible this way.

First is the position light (28) frame, which can be enhanced with translucent acetate circle, then lower fuselage antennae which comes in two flavours (36, 37) – have we mentioned the references already?

The rear tip of the fuselage features small light (20) as well as the horizontal rudder trim tab push rod (22) is located on the starboard bottom side of the horizontal stabiliser.

The other smaller details are shown up close on the next page of this manual.



Several small hatches (**36**) and screw imitations (**30**) are shown here beside two small air scoops (**18**). Again, the scoops need to be shaped before application to the model.

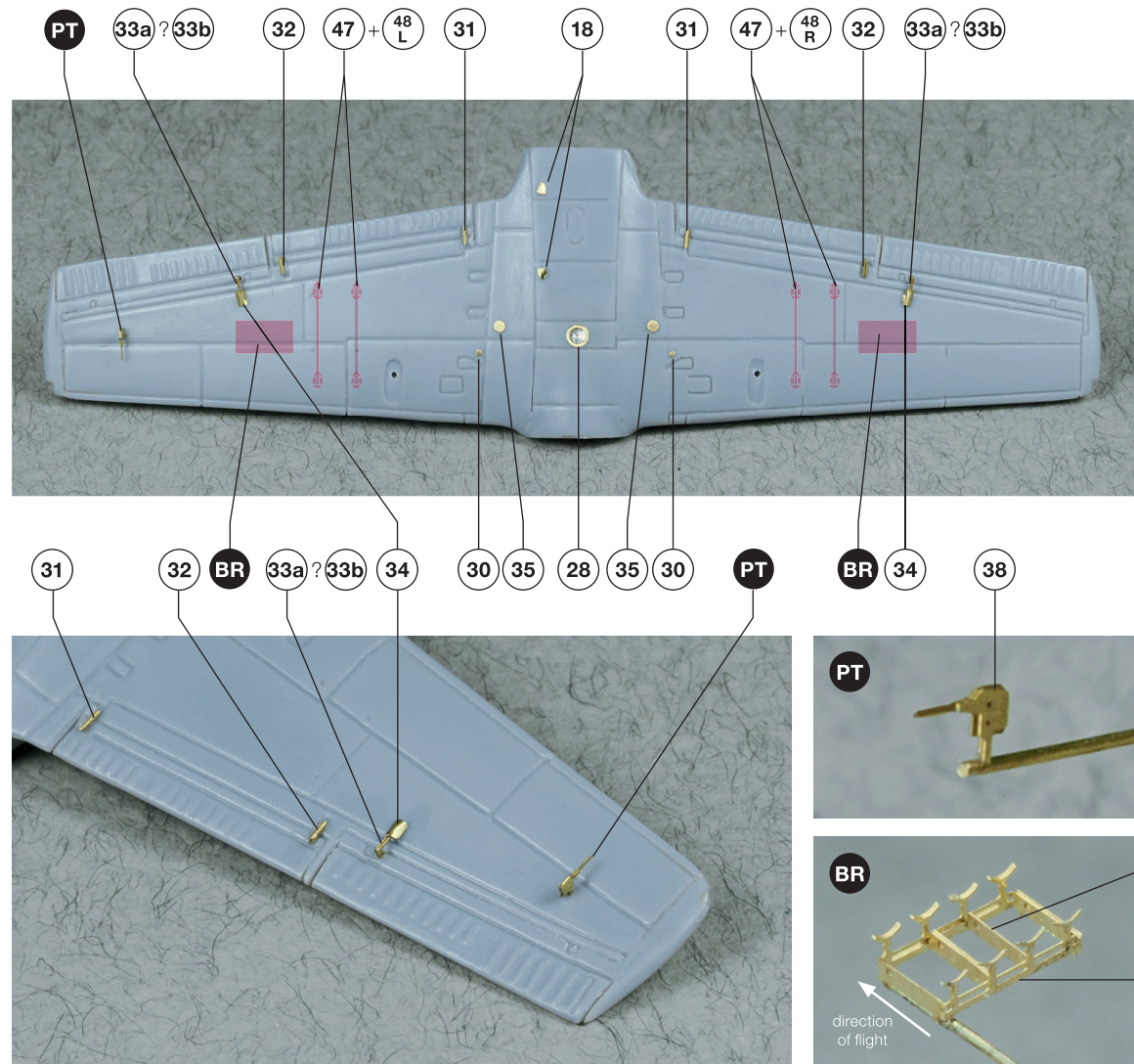
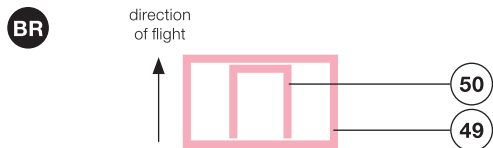
The same thing is valid for aileron push rod fairings (**34**). Those push rods need to be folded in half (**33b**) before attaching or their simpler version (**33a**) can be used.

The flaps push rod fairings (**31,32**) should be folded in half before attaching.

A pitot tube assembly (**34**) should also be folded in half before fixing to the bottom wing side.

The location of the HVAR rockets (not included) rails is shown in green. Their mounting points (**47**) are identical for all rail stubs but the rails themselves (**48**) are handed.

Pink colour is used to show location of training bombs racks (**BR**). Their assembly scheme is shown on a drawing below.



The landing gear is quite simplified in the original kit. We have included several improvements but some surgery will be needed.

To recreate the landing lamps translucent fairings some part of the kit's main gear leg needs to be removed. The reflector face (39) goes inside and then it needs to be covered with a piece of translucent plastic, sanded away to shape and polished.

The actual main gear legs protruding from their fairings needs to be recreated using brass/stainless steel tubing and some plastic block. We have supplied the handed oleo scissors in two versions: advanced (40) which requires bending the round parts at 90 deg angle and simpler one (41) without the round parts.

TW

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Both main wheels (R4) are supplied as resin parts.

The tail wheel is entirely made of metal parts (42,43) which allows to represent its original flat-sided appearance. Its assembly diagram is shown on the left.

The tail wheel fork (44) plus two fairings (45,46) complete the picture.



42

Several spare details (especially the small ones) will keep your carpet monster happy and well.

Main sources:

Percival P.56 Provost – Flying Scale Models Nov 2021
Hunting Percival Provost – Scale Aircraft Modelling Feb 1988

