

This set was designed to fit the excellent Hasegawa kit on 1/48th scale of the Messerschmitt Bf109 E3, E4/7 & E4/7 Tropical.

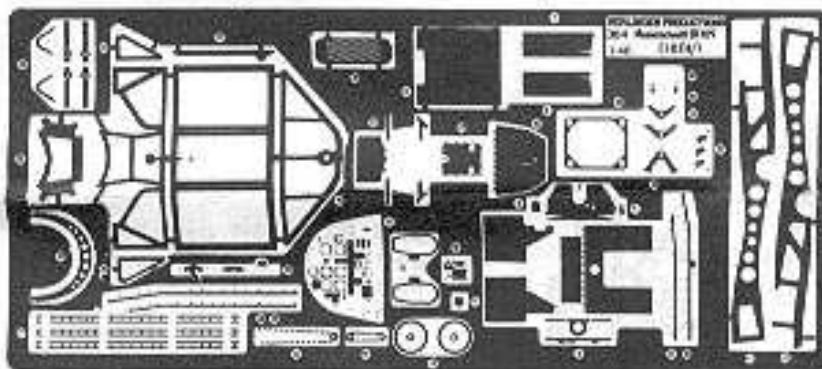
When updating the Messerschmitt Bf109 E3 the cockpit frame cannot be used. Being an early type cockpit frame, it's complexity could not guarantee a proper fit of the front cockpit frame, so it was omitted.

However, the rest of this kit can be used to update your Messerschmitt Bf109 E3.

RECOMMENDED REFERENCE MATERIAL

A lot of books have been written on the subject of the Messerschmitt Bf 109. It would be impossible to list them all, so check your local hobby shop or bookstore. Try to get a hand on the Japanese Koku-Fan publications. Although they're all written in Japanese, the photos and drawings are of extreme good value. Some books have been written by authors who had access to the German Bundesarchiv. Their information can be trusted to be fully correct.

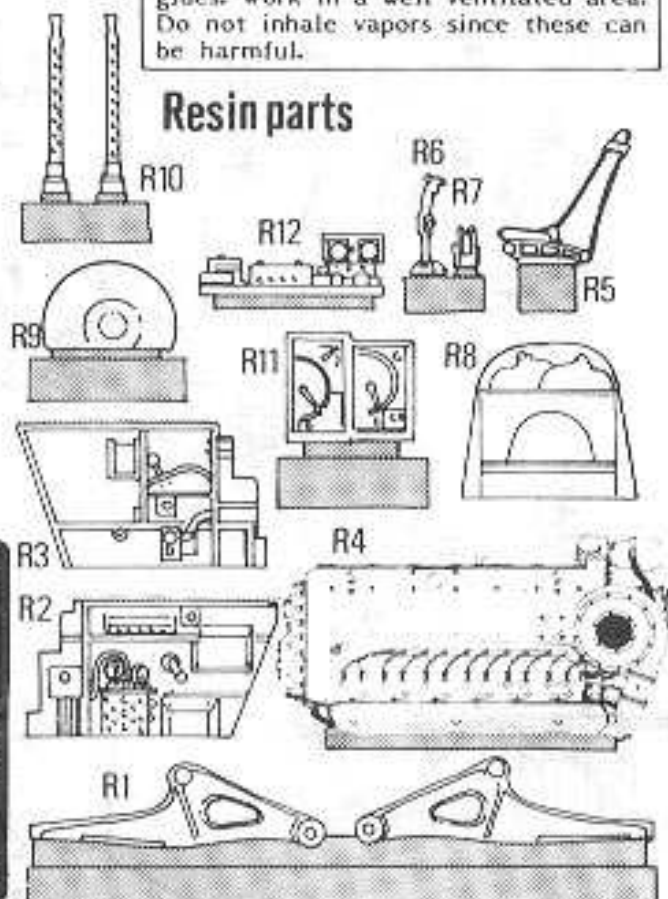
Photo-etched parts



CAUTION

Resin parts & photo-etched parts can only be glued using cyanoacrylate glues. Work in a well ventilated area. Do not inhale vapors since these can be harmful.

Resin parts



1

shape as shown

cut to fit part R2

3

add plastic strip

5

4

Remove

2

1

Remove

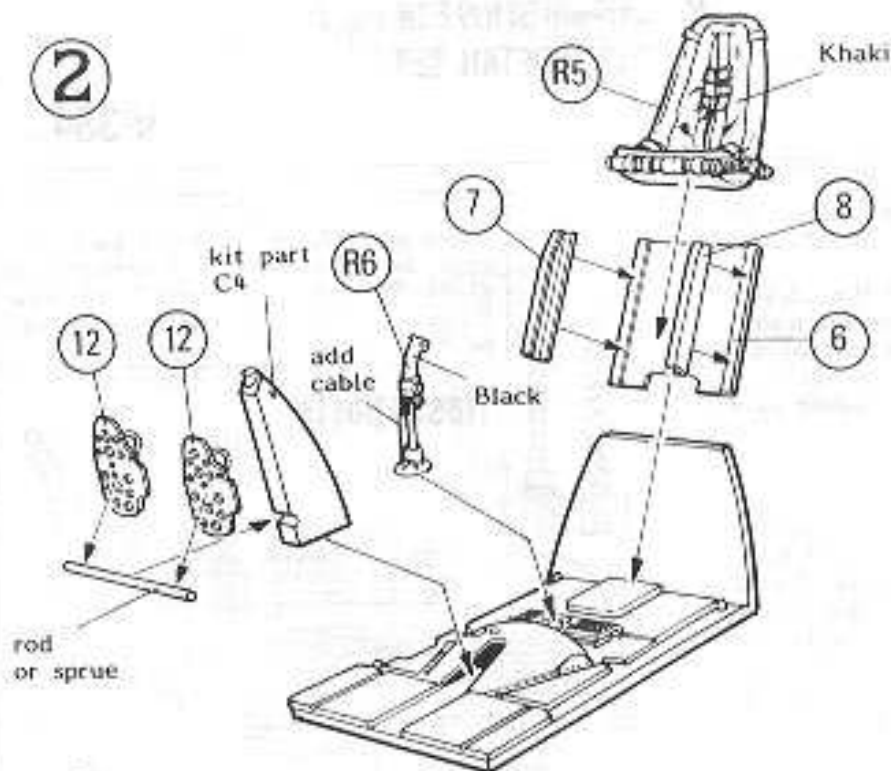
Kit part B6

Read instructions carefully before assembling.

Cockpit assembly

- Remove the excess material from kit part B6 as shown to fit part 1.
- Shape part 2 as shown and glue in place.
- Cut 2 pieces of plasticard (not included) to support part 3.
- Trim part 3 to fit part R2.
- Shape part 3 and glue to plasticard supports.
- Glue parts 4 and 5 in place.

2

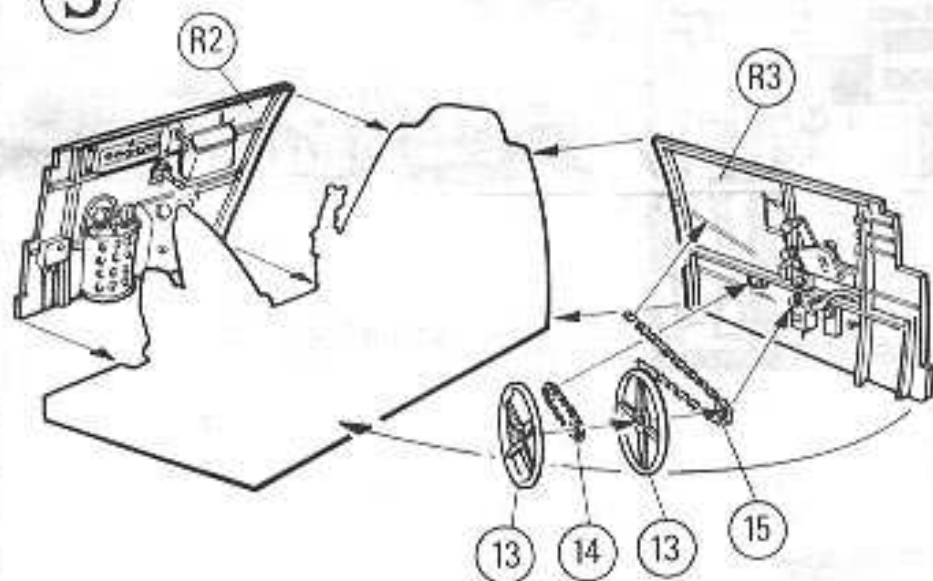


- Remove pedals from kit part C4.
- Replace pedals using a piece of rod or sprue and parts 12. Add foot retainers from sprue.
- Shape part 7 as shown and glue to part 6. Be sure part R5 slides down in between.
- Add control cable to part R6.

COCKPIT COLOR:

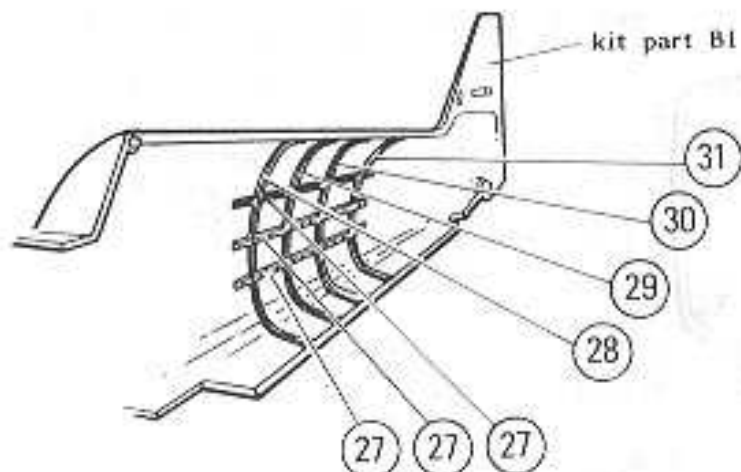
The entire cockpit inside was painted RLM Grau 02. Vary the shades of color of the floor and side walls to avoid a dull, flat look. Wash the cockpit inside to give some depth and to enhance detail. Drybrush with a lighter shade of gray (not white).

3



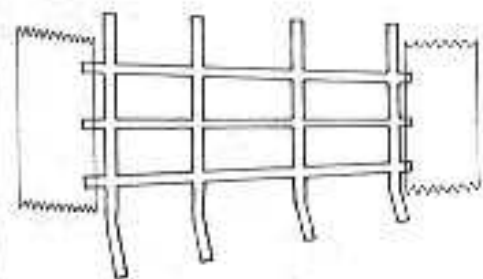
- Glue part R2 to kit part B6.
- Glue part 15 to part R3 as shown.
- Glue part 13(1) as shown.
- Glue part 14 as shown.
- Glue part 13(2) to this assembly.
- Glue part R3 to kit part B6.

4

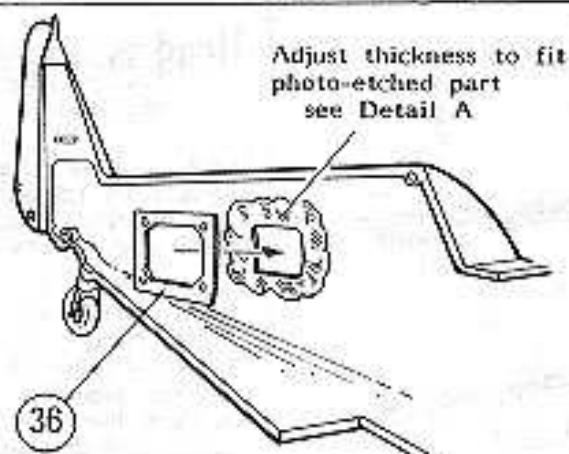


Radio compartment

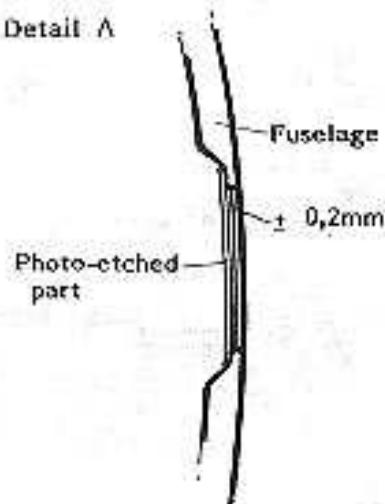
Use the template below to glue the parts before gluing this frame to the kit's fuselage inside.



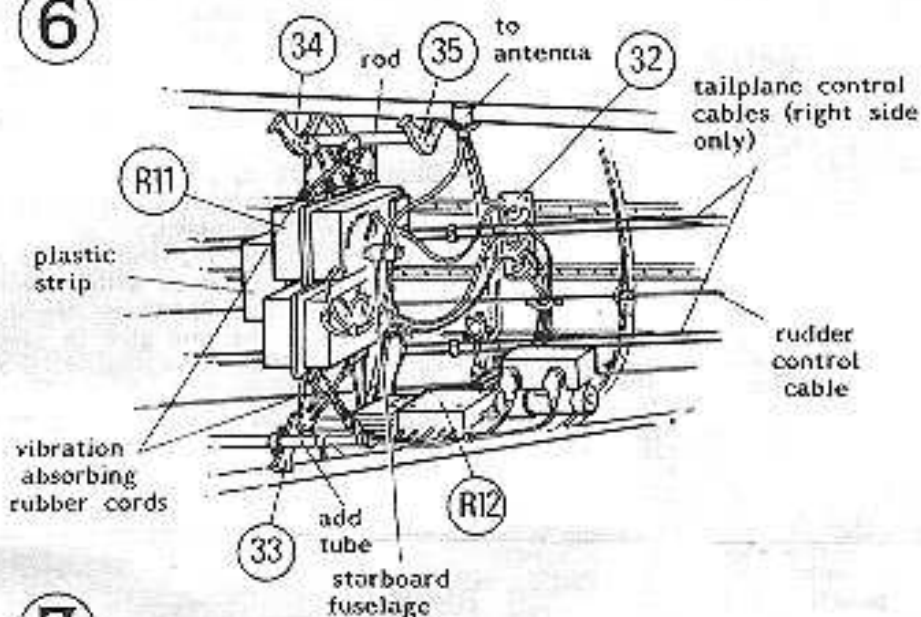
5



Detail A



6



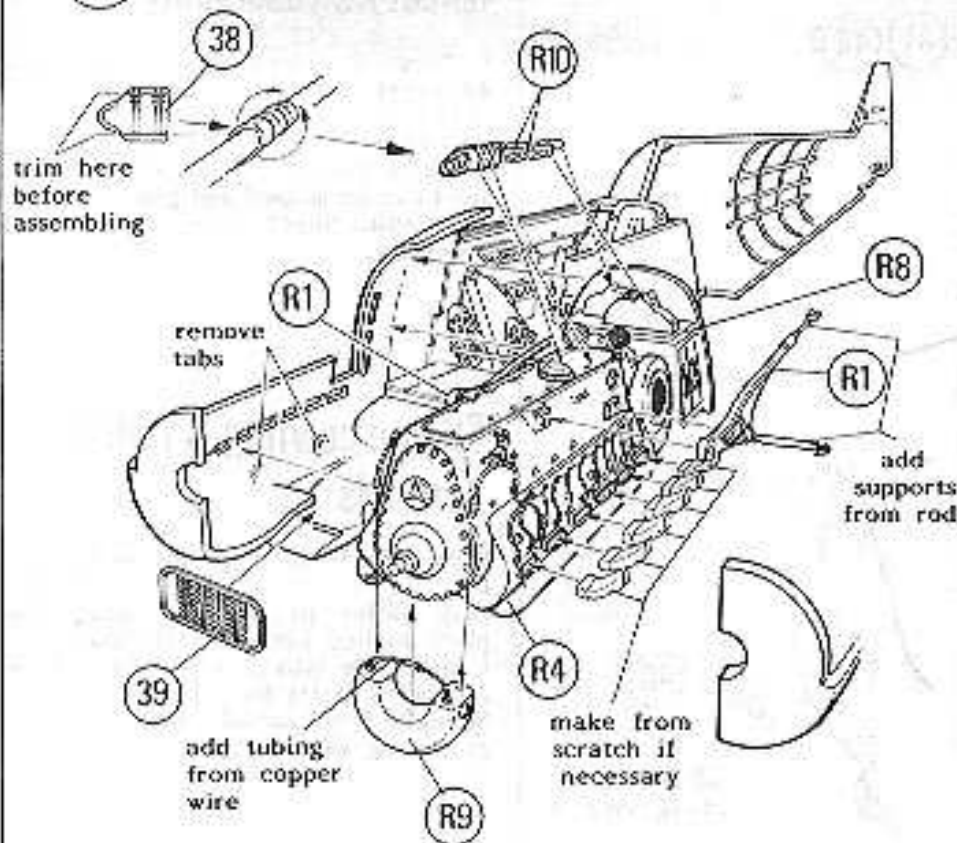
The drawing at left shows you the exact radio compartment layout. You can add whatever detail you like, depending on how far you want to go. We suggest you glue part R11 to the fuselage by means of a piece of plastic strip at the back, where it cannot be seen.

COLOR: RLM Grau 02

inside.

Radios believed to be the same color or Black.

7



Engine assembly

You can build your model with the engine installed or put it on a diorama with the engine removed. More detailing will then be necessary. Use photos for reference.

- Glue part R8 in place as shown.
- Glue part R9 in place (instead of kit part A11-MA4).
- Glue parts R1 to either side of the engine (part R4). Add support beams from rod.
- Glue part R9 to the front of the engine. Add connecting tubing from copper wire.
- Trim parts 38 as shown to fit parts R10 tightly. Pre-shape over a small round object (i.e. a screwdriver's shaft).
- Insert R10 into part 38. Glue in place to engine top as shown.
- Add oil lines and spark plug cables as shown.

If you feel like adding the exhaust connector pipes (not included) make them from scratch or get them from your spare parts box. Glue the engine in place.

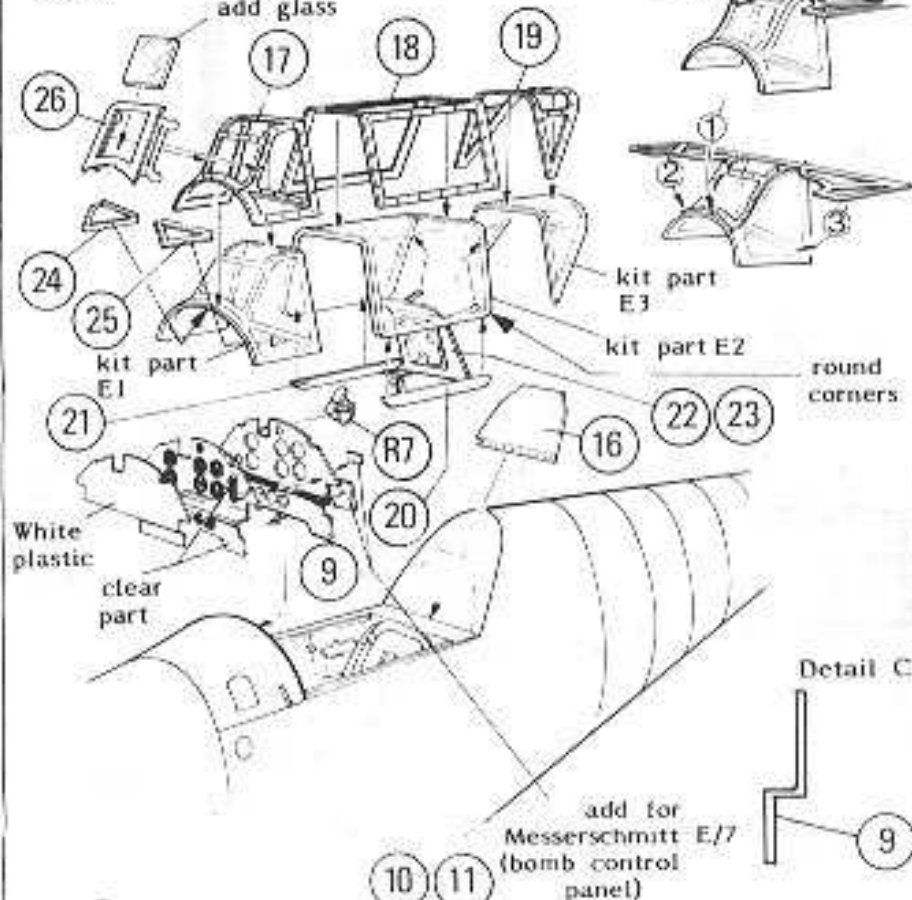
8

E4/7 & E4/7 Trop

Detail B

optional extra armor
frame

add glass



White plastic

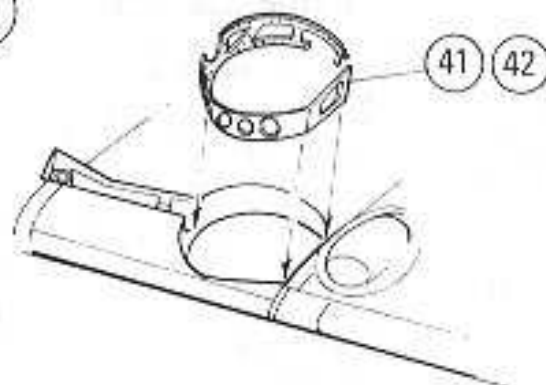
clear part

kit part
E3

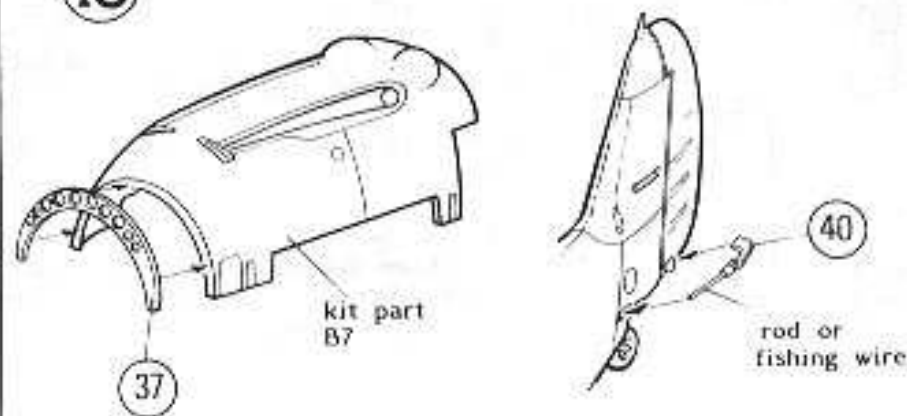
kit part E2

round
corners

Detail C

add for
Messerschmitt E/7
(bomb control
panel)**9**

41 42

10kit part
B7rod or
fishing wire

Hood assembly

WHEN GLUING THE CLEAR PARTS BEWARE OF USING TOO MUCH GLUE. TINY DROPS OF GLUE WILL DO TO HOLD THE PARTS IN PLACE.

- Shape part 9 as shown in Detail C.
- Attach clear cockpit part behind part 9. Glue a piece of white plastic (or drawing paper) to the back in order to show the clear part dials.
- Glue inside the fuselage. Glue part R7 (REVI gunsight) in place.
- Round corners of kit part E2.
- Bend armor plating supports of part 20 & part 21 inside.
- Glue parts 20 & 21 to the inside of kit part E2.
- Bend armor plating supports of part 23.
- Glue part 22 to part 23.
- Shape upper part of 23 as shown and glue part 23 in place.
- When gluing part 17, glue the top part first. Hold it in place with a pair of tweezers (Detail B), Shape the front windshield frame and glue in place.
- Glue the side frames after proper adjustment.
- Glue part 24 & 25 inside kit part E1.
- Use the same method for part 18 & 19.

Wheel well assembly

- Although the inside of the wheel well was covered by a leather strip this was removed when maintenance was being executed.
- Parts 41 (port side) and 42 (starboard side) can be shaped and glued in place as shown. Slight trimming may be necessary.

Engine cowling & rudder controls

- Glue part 37 to the front of kit part B7.
- Drill holes in part B7 using the photo-etched part as a template.
- Replace the tabs on either side of the rudder by parts 40.
- Simulate the control cables with rod or fishing wire.