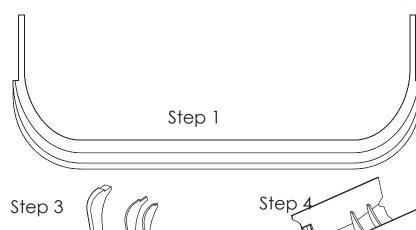


С

CHIN SCOOP

- Build scoop opening by laminating C1 thruC3 over outlines below.
- 2. Glue C1-C3 to C4 by aligning the notches each side.
- Glue C1-C4, C5, and C6 perpindicular to side panels C7. 3.
- Sheet the bottom of the scoop between both C7's with 1/16" balsa. 4.
- Sand the scoop opening to a smooth radiusing C1 as a guide.

 Epoxy the scoop assembly to the fuselage 5.
- 6.

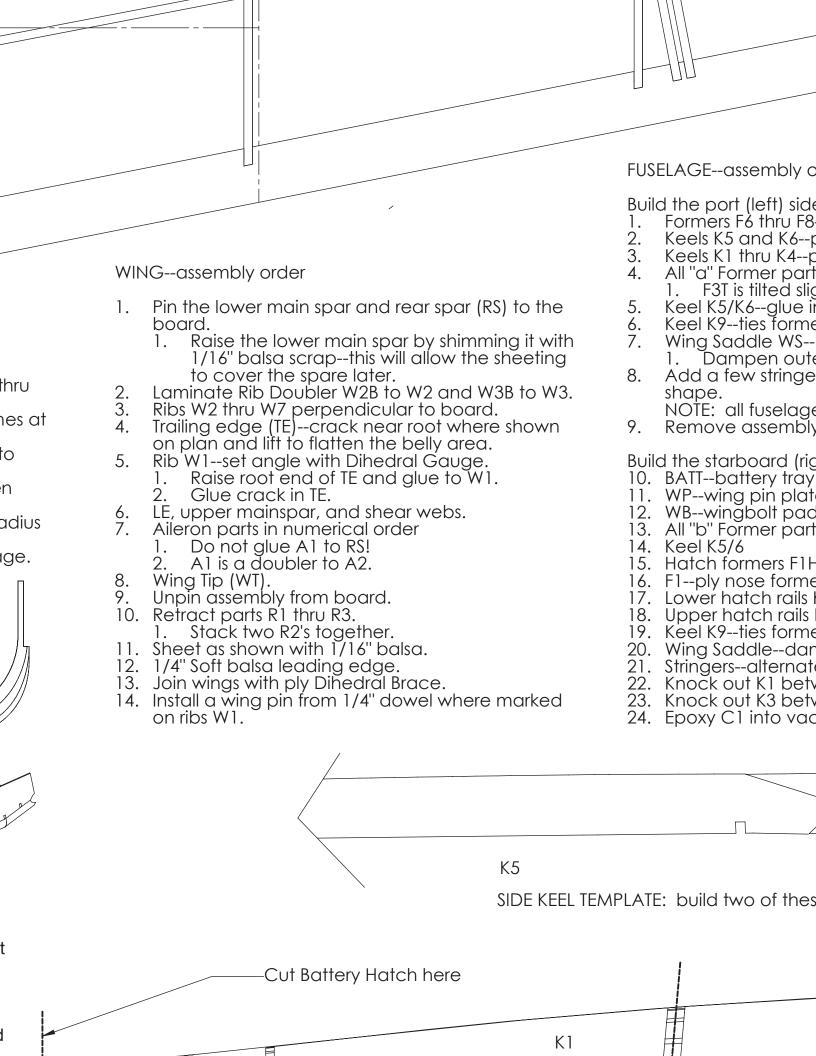


В

SPINNER and Detail Parts

3D printable parts for this model are available as open-source files on Thingiverse.com. These include the spinner and backing plate, instrument panel, and exhaust stacks. Search Infield Engineering Bf 109.

Use caution with printed parts--it is the builder's responsibility to work with a reputable printer and to verify that the resulting part is safe for use



y order side first on a building board. F8--preassemble over plan above. 6--preassemble over template below--make two. 1--pin these parts flat to the plan. arts--install perpendicular to plan. slightly back to allow the hatch to come off easily. e into "a" Formers. mers F6 thru F8 together. 'S--align upper edge with notches in F3 thru F6. outer surface of WS and it will curl into place. gers below the side keel to lock the assembly into age stringers are 3/32" square balsa. ably from board after it has fully cured. (right) side free from the board. ay. late.

F1H, F2H, and F3H--glue only to keel K1. mer, glue only to K1, K3, and K5's. ils K7--glue only to F1, F2, and F3T. tils K8--glue only to F1H, F2H, and F3H. mers F6 thru F8 together. dampen and align top edge. that from side to side to avoid warps. etween F4 and F5 to create cockpit opening. etween F3 and WB to create wing pocket. vac-formed cowling.

ad.

arts.

Bf 109 or Me 109?

Although thousands of Luf by everyone in the aircraf the head of the Reich Avifor the 109. Instead, he inplant where it was product documentation of the tim this directive.

Bf 109 VARIANTS

Oddly, the very first 109 to engine was "upright", V1 h

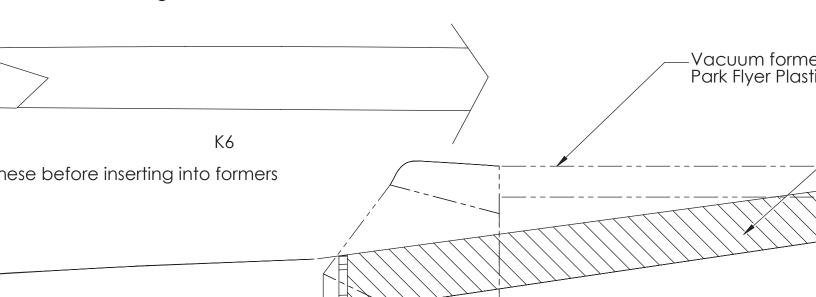
From V2 onward, the 700h arrived with its 1100hp Dai chin scoop, single small ur made to the exhaust stac a foot long.

Although the performance airframe was changed. The addition of the boxy uexhaust stacks easily turns Page 2.

THE MODEL

This model was originally of airframe is perfect for serve with mounting points for a could find to fit this thin wifrom scale. The struts are

The scale wheel will meas length is 5 7/16" / 141mm f



Luftwaffe pilots fell in love with the 109, Willy Messerschmitt wasn't appreciated raft industry. In particular, he had run afoul with Erhard Milch in the 1930's. As Aviation Ministry, Milch refused to honor Messerchmitt with the "Me" description in insisted that the aircraft be named Bf 109 after the Bayerische Flugzeugwerke duced. Bf 109 was the official designation in German government time. Of course, the Allies and even Luftwaffe field units were free to diregard

to take to the air was powered by a Rolls Royce Kestrel engine. Because this 1 had a very different appearance than her progeny.

On Donkers Jumo 210 inverted vee powered all Bf 109 models until the Emil Daimler-Benz DB 601. The Jumo-powered birds are identified by their large I underwing oil cooler, and small carburetor scoop. Several changes were acks, ranging from rows of mere holes in the cowling to individual pipes nearly

nce of the Emil was a dramatic improvement over earlier marks, very little of its . This makes it easy for the builder to upgrade this model to the Emil standard. y underwing and chin scoops, a supercharger scoop, and the late-style rns this model into an E. Outlines for the wing and chin scoops are included on

y designed with a 30" wingspan and no landing gear. At 45", the scaled up ervoless retracts. The wing shown here and its shortkit have been modified or a pair of HobbyKing HK-15094M units. These were the smallest retracts I wing. Even with these small retracts, the strut geometry had to be adjusted re a bit more verticle and a little shorter.

easure 3 3/16" / 81mm in diameter by 1/2" / 12mm thick. The landing gear leg m from the retract to the axle.

med canopy available from astics

Remove Keel from cockpit and wing pocket after fuse is completely framed

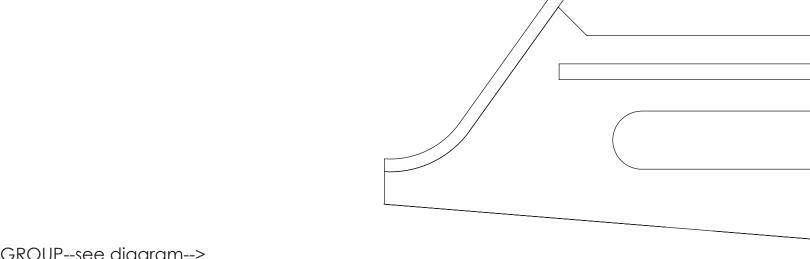
TAIL GF

Sheetir rudder durabil

- 1. Be
- 2. Pir 3. Ins
- 4. Gl
- 4. 3
- 5. Se fro
- 6. Sh sic
 - 2.
 - 4.

7. Sa

Note: where



GROUP--see diagram-->

eting the fin and horizontal stabilizer and covering the der and elevators as open frameworks provides ability with a scale appearance.

Begin tail group assembly by laminating outlines from three strips of 1/16" x 3/16" balsa around a form.

- Three strips provides plenty of material for sandina
- Two strips can be used if preferred by the builder Pin the cured outlines into place over the plan. Install the tail framework parts in numerical order.
- Glue in the balsa bracing: Use 3/32" x 1/8" for the Fin and Horizontal Stabilizer.
- Use 3/32" x 3/16" for the Rudder and Elevators. Separate the Rudder from the Fin and the Elevators from the Horizontal Stabilizer by cutting through the outlines where shown.

Sheet the Fin and the Horizontal Stabilizer on both sides with 1/32" balsa.

- Sheet the bottom sides first. 1.
- 2. Sand away excess material from the top of the outlines with 60 grit.
- Sheet the top sides.
- Once sheeting is in place, thickness of fin and stabilizer will match rudder and elevators.

Sand to shape and install hinges.

e: Extra bracing can be added to the stabilizer re shown if you will be adding scale tail struts.

Fin / Stabilizer Rudder / El Step 2 & 3 Build the framework ins

Step 5.1 Sheet one side of the Fin

Step 5.2 & 5.3 Sand the excess fro Stabilizer outline, then sheet the se

Step 6 Sand to shape

outlines

PROTOTYPE SPECIFICATION	
Wingspan	45.7"
Length	44.8"
Weight	33oz
Wing Area	390 sq in
Power	AXI 2814 110
Propellor	11x7 2-blade
Battery	3S 2200mAh

