



# ANTARES

Resin Parts &  
Conversion Kits

Kit ANT-7209

1:72 Scale

## Heinkel He 177 B-5/R1

( Conversion set for He 277)

**SUITABLE FOR HE 177 A-6 REVELL KIT (# 04306)**

### Brief story

After it became apparent that the problems with the Heinkel He 177's coupled powerplants could not be resolved, Heinkel put before the RLM a proposal for a new design powered by four separate engines. This suggestion was turned down as there was still a distinct antipathy in official circles towards heavy four-engined bombers. Ignoring this rejection, Heinkel went ahead with the conversion of a He 177 A-5 to four-engine layout without the knowledge of the RLM. But the machine so modified, which was known as the He 177 B, did not come up to the designer's expectations in terms of either performance and handling. The increased torque of the four propellers caused instability about the vertical axis. To overcome this, various tail unit configurations were tested, from single to triple fins. In the end, a twin fin arrangement was decided upon. In summer of 1943 the RLM agreed to Heinkel's use of the designation He 277. The first prototype, known as He 277 V1, retained all major components of the He 177. It was fitted with DB 603 N engines with annular radiators. The second prototype, V2, was used for stability trials and some directional instability already experienced with the He 277 V1 resulted in the addition of small auxiliary fins to the tailplane. The He 277 V2's armament comprised a new remotely-controlled Rheinmetall-Borsig "chin" barbette containing four 7.9 mm MG 81 machine guns. The He 277 V3 was similar to the V2, but after initial flight test, a new tail assembly with twin fins and rudders was fitted with highly satisfactory results. Despite this, and due to the desperate situation of Germany at the end of the war, all the He 277 program was cancelled before the end of the WWII.

### Cleaning and preparing resin parts

- Resin parts sometimes will contain unwanted bubbles. Fill any small holes using CA cement.
- Smooth surface using fine grit sandpaper when CA is cured.
- Use a dishwashing detergent to wash the parts, using a tooth brush to get into crevices and indentations, to remove any mold release agent, grease or oil.
- Rinse well and air dry. Remove surface oils (finger prints, etc.) with a soft cloth and few drops of acetone.
- Do not use hot water when washing the parts ( it will distort the resin pieces).

### Assembling the model

- Sanding off the casting blocks with N° 220 wet or dry sandpaper, taped to a flat work table. Light amounts of water must be added periodically while sanding.
- Study the instructions thoroughly before assembly. Use CA cement to glue the resin parts.
- Small parts can be painted before assembly.

Kit contains: resin parts, white metal parts, instructions. Manufactured and packed in Argentina by AntaresModels.

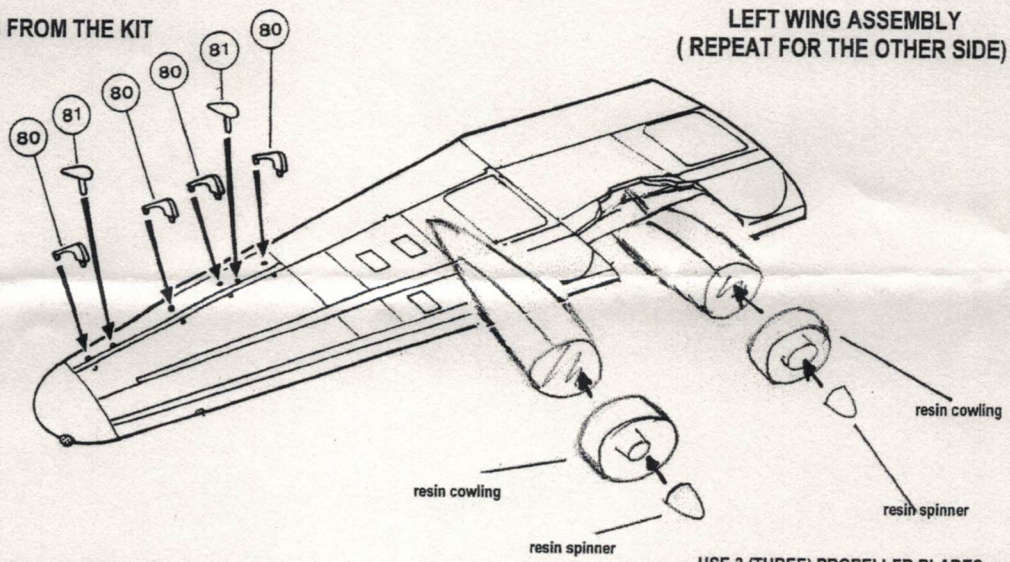
Please, visit Our website: [www.antareshmodels.com](http://www.antareshmodels.com)

e-mail: [sturmvoegel45@yahoo.com.ar](mailto:sturmvoegel45@yahoo.com.ar) or [marcelo@antareshmodels.com](mailto:marcelo@antareshmodels.com)

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# STEP 1 WINGS ASSEMBLY

PARTS FROM THE KIT

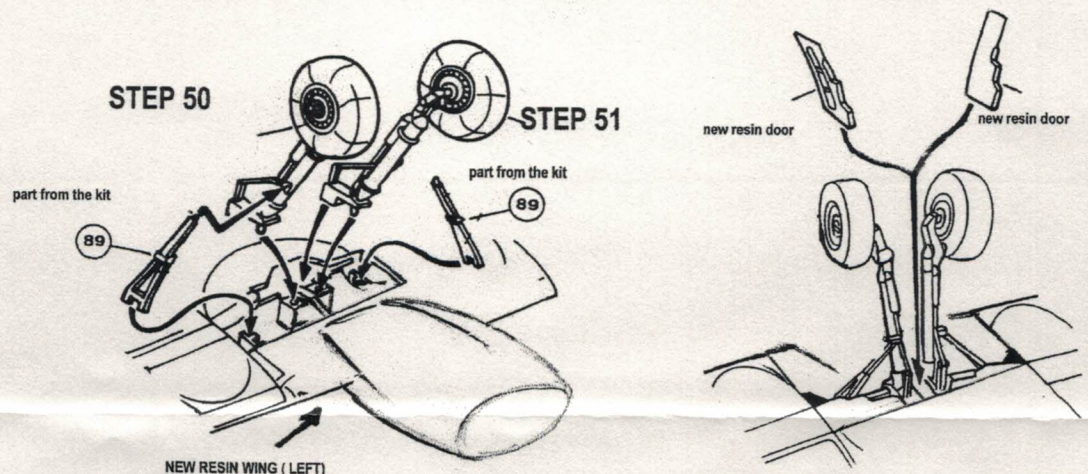


LEFT WING ASSEMBLY  
(REPEAT FOR THE OTHER SIDE)

USE 3 (THREE) PROPELLER BLADES  
(WHITE METAL) PER ENGINE

# STEP 2 LANDING GEAR ASSEMBLY

- A- Follow the steps 50 and 51 from the Revell's instruction sheet.
- B- The main landing gear must be placed on the inner engine nacelles.



NEW RESIN WING (LEFT)

SOME DETAILS OMITTED FOR CLARITY

REAR VIEW

**B- If you choose building your He 277 with the twin tail configuration, please, follow the drawings below:**

**LEFT SIDE SHOWN ONLY.  
REPEAT FOR THE OTHER SIDE !!**

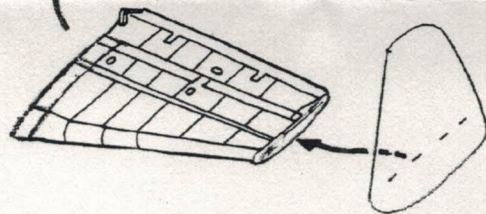
remove the rudder. then filling and sanding to get a smooth surface.

remove the rear part from the fuselage. Then follow the Revell's instructions for placing the rear turret.

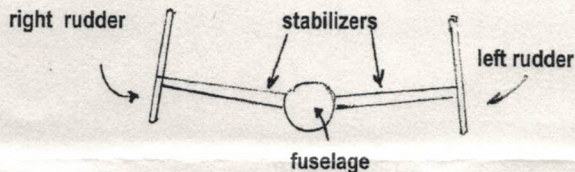
1- remove the stabilizer root. then filling and sanding to get a smooth surface.

2- place the new resin stabilizer in the same position.

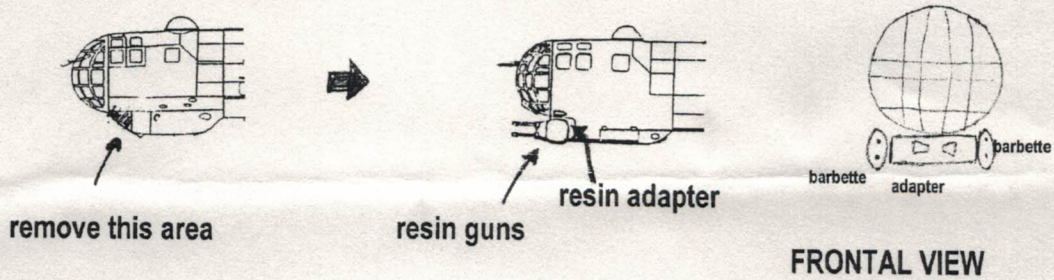
**IMPORTANT: USE PARTS 96 (TWO) and 97 FROM REVELL'S KIT. FOR PLACING THEM ON THE NEW RESIN STABILIZERS PLEASE CHECK THE ASSEMBLY STEPS 32 and 33 OF REVELL'S INSTRUCTIONS.**



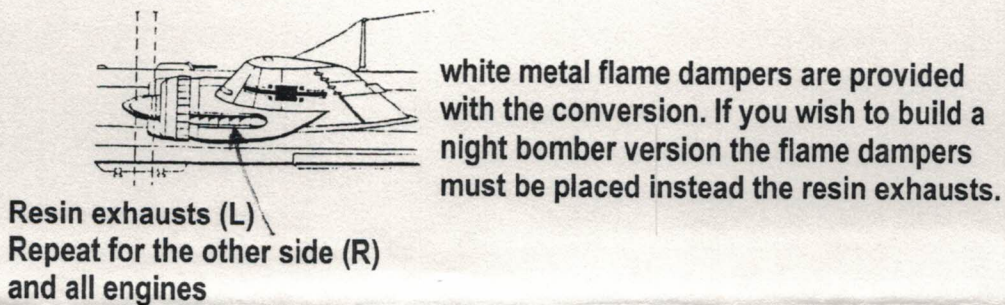
3- place the resin rudder



### STEP 3 "CHIN" BARBETTES ASSEMBLY

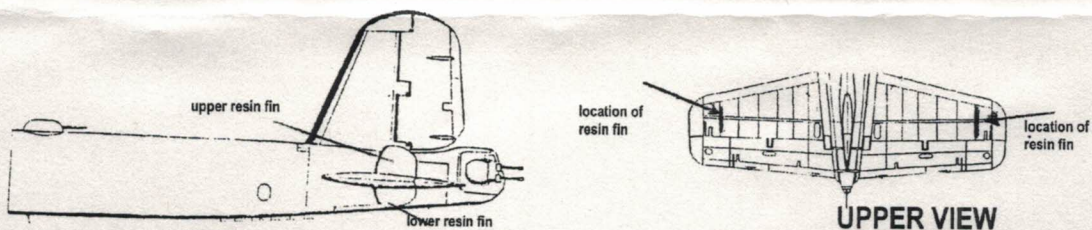


### STEP 4 ENGINE EXHAUSTS ASSEMBLY

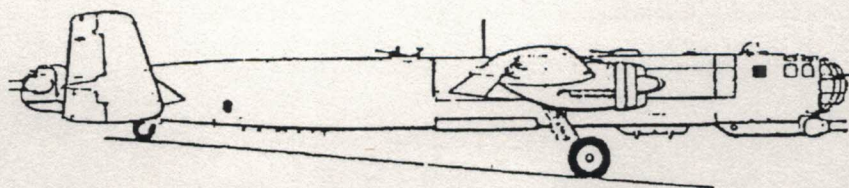
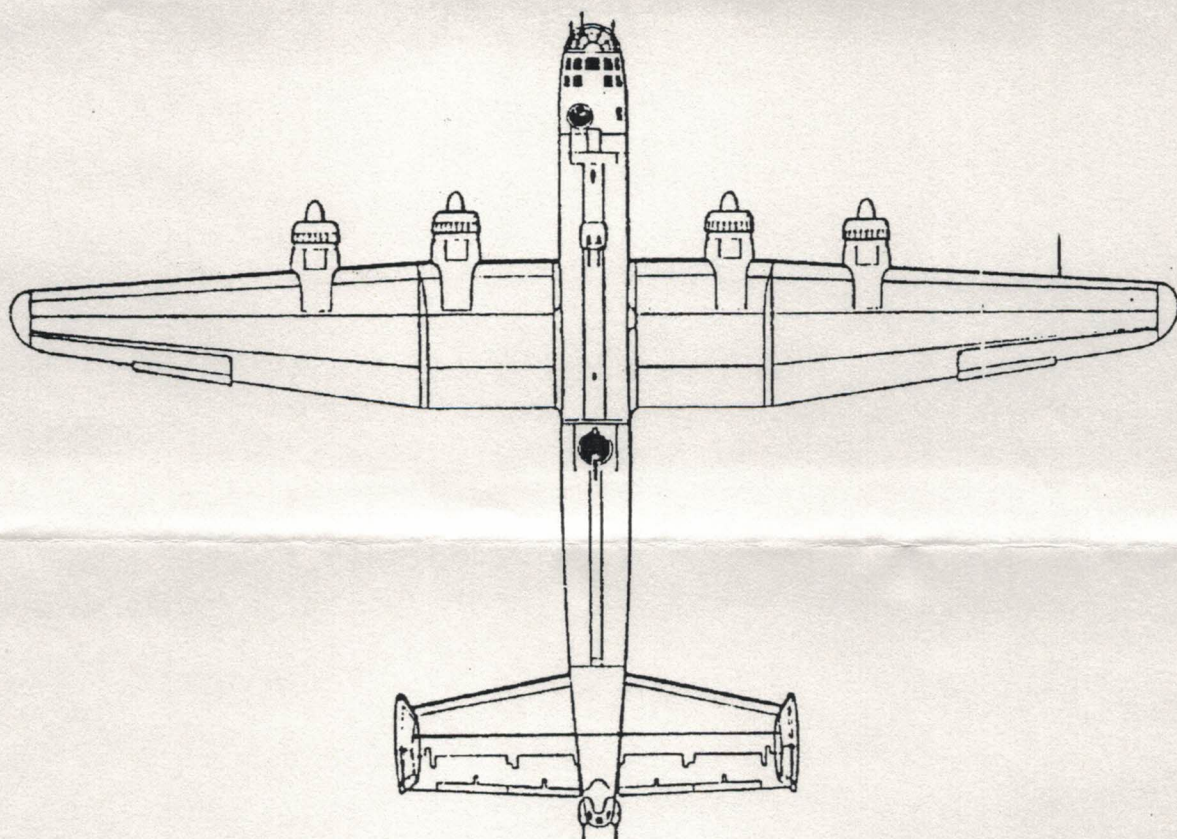
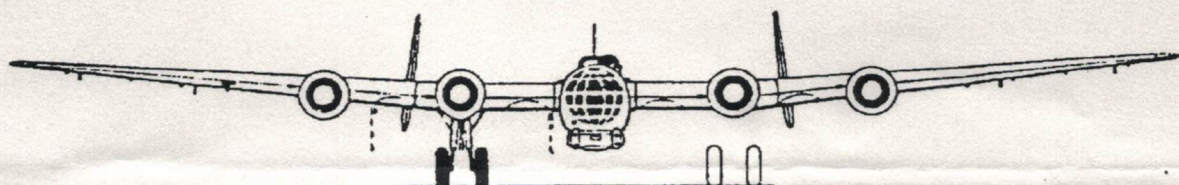


### STEP 5 TAIL CONFIGURATION

*A-The He 177 B-5/R1 was fitted with small fins on the V 2 prototype. If you wish to build this version just add the small resin fins provided with the conversion set to the Revell's kit ( see construction steps # 32 and 33), as shown in the drawings below:*



## ***STEP 6 GENERAL ARRANGEMENT OF THE HE 277***



***NOTE: THE REST OF THE ASSEMBLY MUST BE DONE PER REVELL'S KIT INSTRUCTIONS.***