

This set was made to fit the Gunze Sangyo Panther(SdKfz171) Ausf G or Jagdpanther(SdKfz173).

Although quite expensive, we highly recommend them to the motivated tank builder.

This update set may fit the Nichimo kit as well, but we do not guarantee this since it differs from the Gunze Sangyo kit in quite some places.

Recommended reference material:
-PANTHER IN ACTION/Bruce Culver
Squadron Signal Publications
-DER PANZER-KAMPFWAGEN
PANTHER und seine Abarnten/
Walter J. Spielberger
Motorbuch Verlag Stuttgart
Postfach 1370
D-7000 STUTTGART 1
Germany

RESIN CASTED PARTS

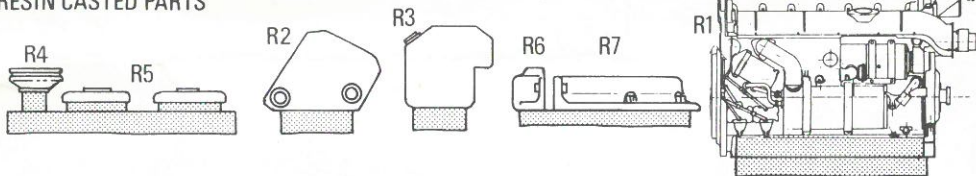
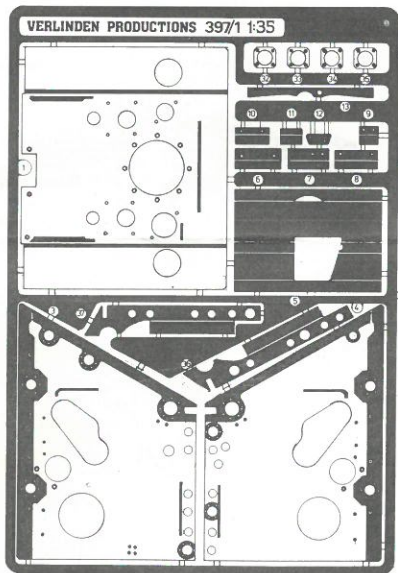


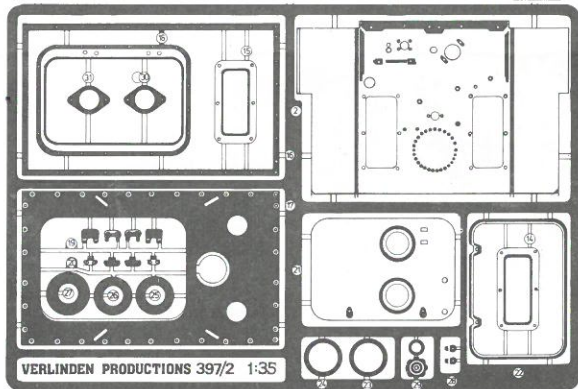
PHOTO-ETCHED PARTS



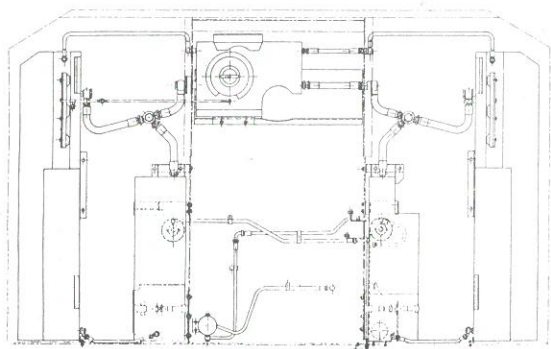
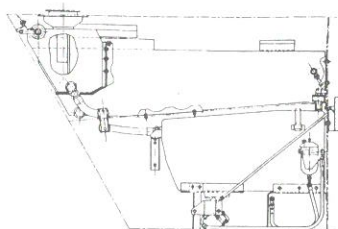
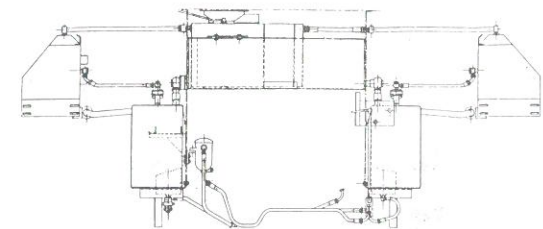
You can either assemble this complete set into your model or just parts of it, depending on the kind of diorama you have in mind. If building a workshop is what you have in mind, leaving the engine out of the compartment is a possibility. The rest of the parts can then be partially assembled and be used to decorate the open spots on your diorama. It's all up to your imagination.

CAUTION

These resin casted accessories and photo-etched parts can only be glued using cyanoacrylate glues. These glues are not without danger, so be careful when using them.
Work in a well ventilated area only and avoid inhaling the fumes for they can be harmful.

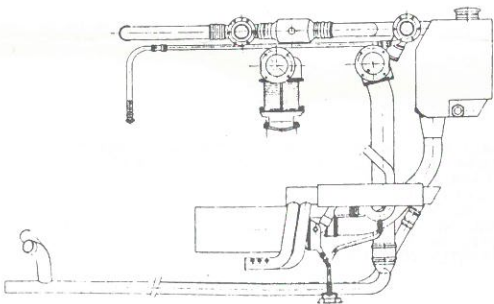
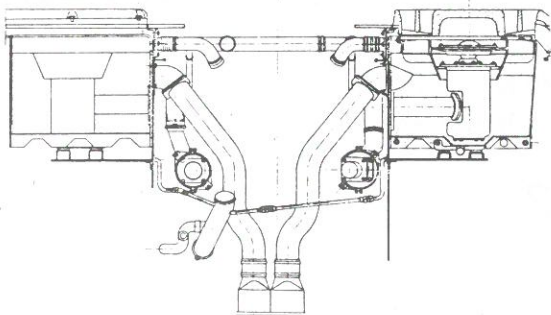
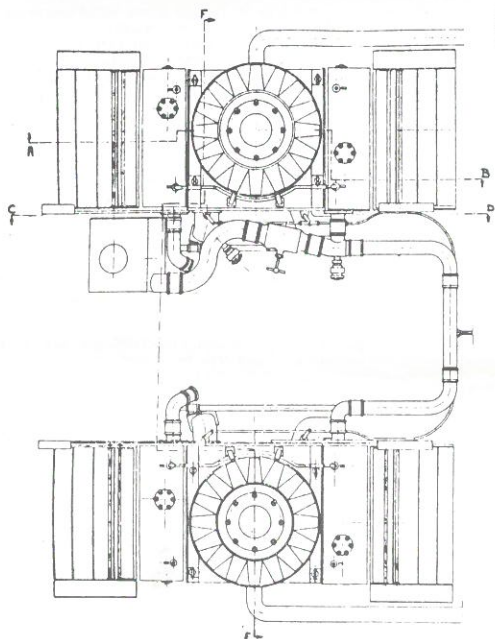


Fuel system layout



Not to scale

Cooling system layout



1:35th scale

1

Rod length
(not included)
± 49mm

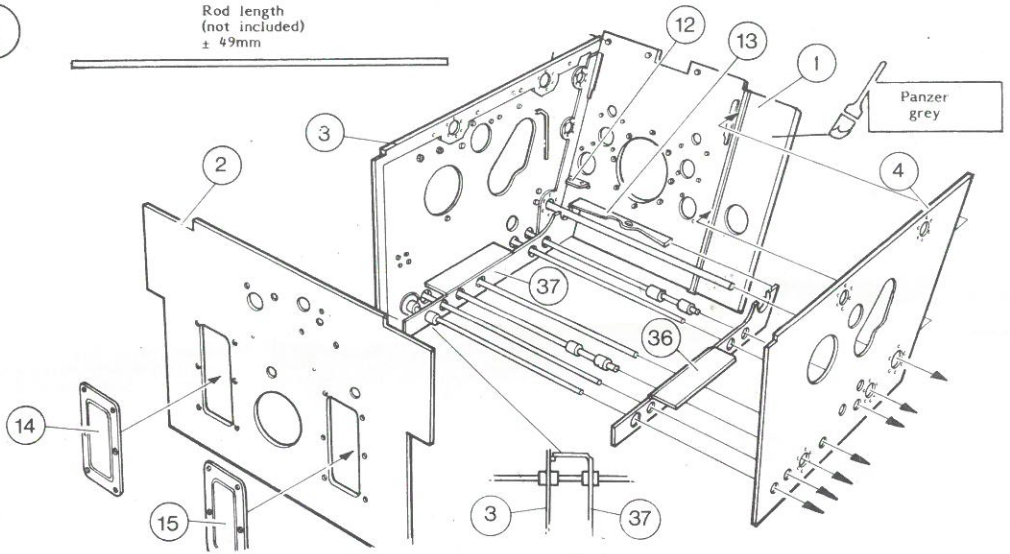
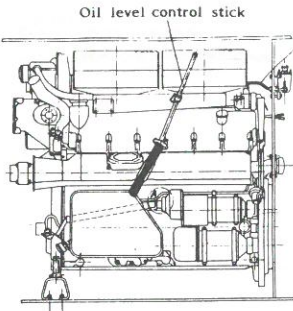
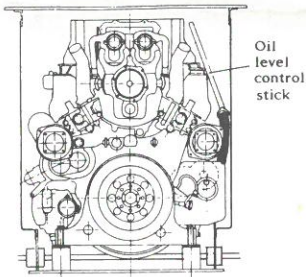


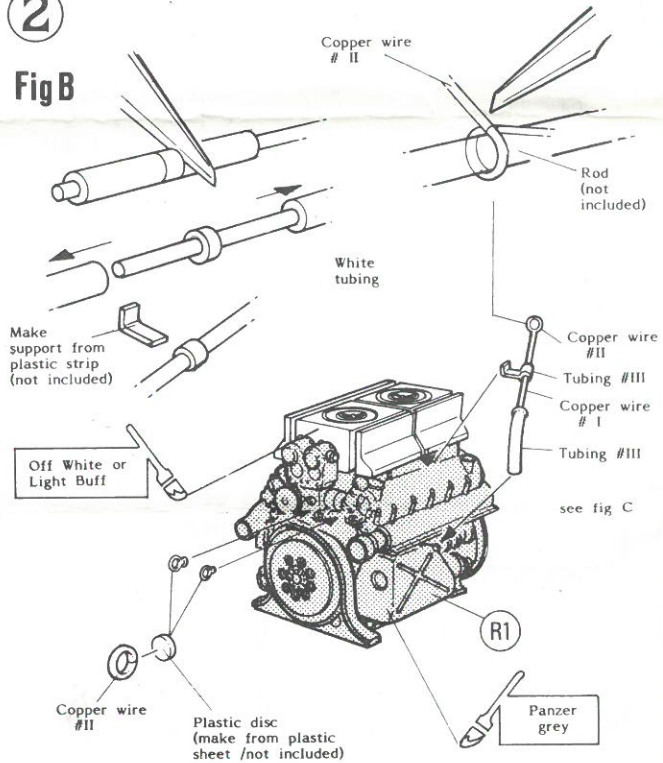
fig A

Fig C



2

Fig B



1

READ INSTRUCTIONS CAREFULLY BEFORE YOU START ASSEMBLING THIS KIT. FOLLOW THESE INSTRUCTIONS STEP BY STEP, IT'S THE SAFEST WAY TO GET THE BEST RESULT.

Some parts need to be painted before assembling, the color specifications are marked inside this symbol



First remove the resin casted parts from their carrier as shown on the title page. The photo-etched parts can best be removed from the frame with a pair of stainless-steel scissors, it will prevent the parts from bending. This may occur when they are cut with a knife.

- 1/ Fit parts 1 and 3 into their proper place in the kit's hull. When correctly positioned glue part 1 to part 3. Be sure not to glue the parts to the hull itself, you still need to remove them from the kit.
- 2/ Bend parts 36 & 37 as shown in fig A and glue part 37 to part 3 according to fig A. Test the fit inside the kit's hull.
Glue part 36 to part 4 the same way.
DO NOT GLUE PART 4 & 36 TO PART 1 YET.

Glue part 12 & 13 to part 1 as shown. Part 13 should fit on top of part 36 & part 37.
- 3/ Prepare three rods the following way:
Insert the outer end of a piece of rod with a diameter of 1,2 mm and a length of 49mm (not included) into a piece of white rubber tubing.
Cut the ball-bearing assemblies the same way as shown in fig B. You need two ball-bearing assemblies per rod (see assembling scheme).
Insert the rods into part 3,37,4 and 36 as shown in fig A. Glue part 4 to part 1. Check the fit inside the kit's hull, but DO NOT GLUE THE ASSEMBLY INSIDE THE HULL.
- 4/ Glue part 2 to the assembly. Again check the fit inside the hull before applying the glue.
- 5/ If desired you can glue the covers 14 & 15 to part 2. If you decide to detail the turret interior as well, they can best be omitted to show the inside of the latter.
- 6/ Paint this assembly according to the color specification.

2

- 1/ Assemble the engine hoisting rings (4 pieces) as shown. Glue to the engine as indicated. The location of the two hoisting rings on the opposite side of the engine are shown in assembly drawing ③.
- 2/ Make the oil level control stick as shown in fig B. Glue the stick assembly to the engine as shown in fig C.
- 3/ Paint the engine to color indications.

IMPORTANT

ALL TUBING ON THE ENGINE HAS TO BE GLUED BEFORE GLUING THE ENGINE IN PLACE. HOWEVER, WE WANT YOU TO CHECK FOR FITTING REGULARLY.
INSERT A PIECE OF COPPER WIRE INTO EACH PIECE OF TUBING TO HOLD THE BENDED TUBING IN POSITION.
DRILL HOLES IN THE RESIN PARTS TO TAKE THE COPPER WIRE, INSTEAD OF GLUING THE RUBBER TUBING DIRECTLY TO THE RESIN.

3

- 1/ Cut two lengths of # 1 tubing (9mm).
Glue parts 30 & 31 to the engine (see fig C for the correct position). Insert the tubings into the engine exhaust connectors and secure with glue. These tubes connect to the exhaust mufflers through holes C & D.

Cut two lengths of # II tubing of 15mm. Glue them to the engine as indicated. These tubes will go through holes E & F in the final assembling.
- 2/ Cut a piece of # I tubing some 20mm long.
Cut a piece of # II tubing of the same length.
Insert tube # II into tube # I. One end will be glued to part R3.

Cut a length of 70mm of # II tubing. Assemble the rest of the cooling system as shown in fig E. Check with the layout scheme on the last page of this instruction sheet. This tubing assembly should be glued to the compartment side walls later on.
The ends of it will go through holes E,F,G & H respectively at the final assembly stage. Test the fitting into the holes at this moment, while adjustments can still be made.
- 3/ Cut a piece of plastic strip (not included) as shown. Drill two holes to insert the #I copper wire.
Place the completed engine compartment inside the hull. DO NOT GLUE YET. Glue the plastic strip (which simulates a cover plating for bottom tubing) to the bottom of the hull. See the coolant system layout on the last page for correct positioning of the tubing.
- 4/ Insert the rods simulating the wheel axles into the photo-etched compartment through the holes of parts 3,4,36 & 37. DO NOT GLUE THEM YET.
Insert the engine compartment into the hull, be sure it fits properly before you glue it in place.
- 5/ Secure the ends of the wheel axles to the side of the hull. Center the axles in the holes of part 3,4,36 & 37.
- 6/ Glue a 25mm piece of coil spring to the engine(see fig F).
- 7/ Cut two pieces of tubing #I (length 45mm each) and insert a piece of copper wire #I into each tubing.
Glue part 32 to part 33 and part 34 to part 35.
Glue the tubing to the bottom plate according to the layout scheme on the last page. This tubing will go through holes A & B once the engine is installed.
- 8/ Glue the engine in place following L .
Insert all tubing and the coil spring into each corresponding hole in the side wall or bulkheads. Secure with glue.
The position of each tubing on and around the engine can be checked on the layout schemes on the last page of this sheet.
- 9/ Shape part 5 as shown in fig D.
Glue in place following the dotted line in the drawing. Test-fit before gluing.
- 10/ Glue part 10 to part R2.
Glue part 11 to part R3.
CAUTION: Part R3 should be positioned ± 2 mm higher than part R2. Position part 11 accordingly, but check if hatch 17 can still be closed.
- 11/ Glue all this, together with part 6,7,8 & 9 in place according to fig D.
- 12/ POSITION THE FOLLOWING PARTS ACCORDING TO THE HOLES IN PART 17 (see assembly drawing 4 on the following page).
Glue parts 29 on top of R3.
Glue part R4 on top of R2.
- 13/ Insert 3 pieces of #III tubing into part R2 through the holes I, J & K on the assembly drawing, and glue in place.
Length I & J : ± 12 mm.
Length K : ± 20 mm.

Fig D

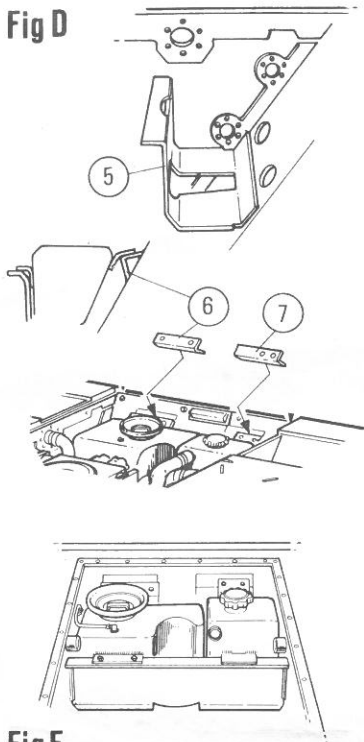


Fig E

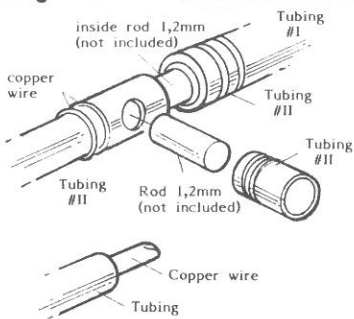
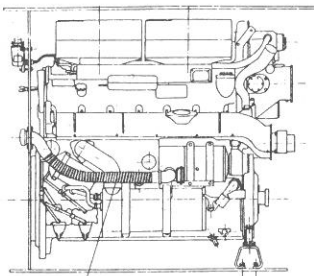
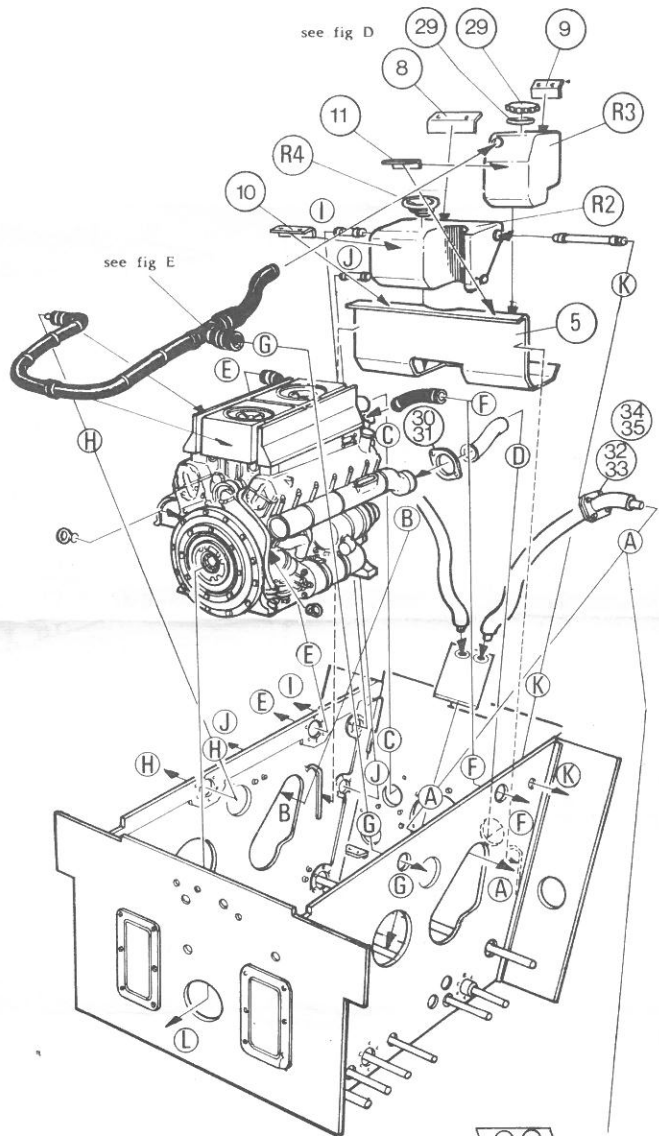


Fig F



Coil spring length 25mm

3



A&B
I 45mm
G&H
II 70mm

E&F
15mm

Fig G

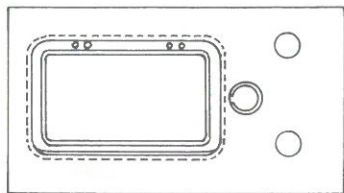


Fig H

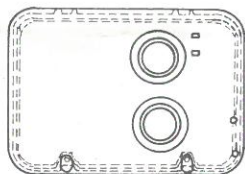


Fig I

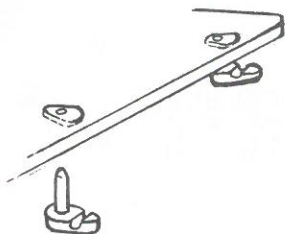
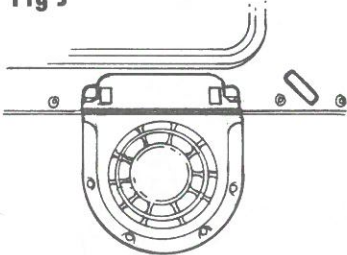
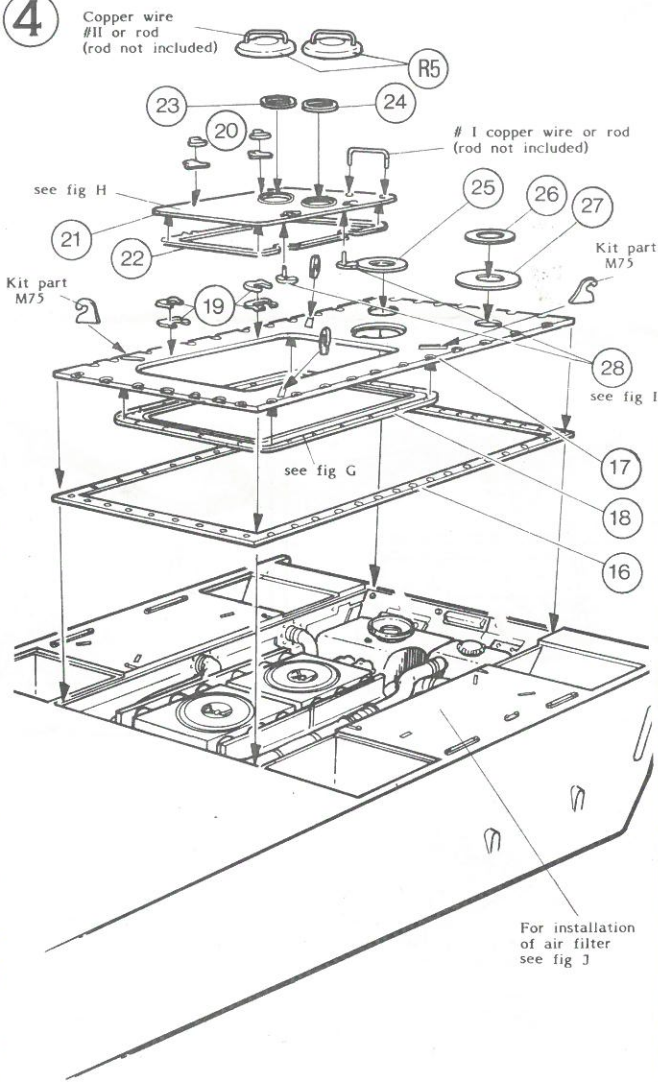


Fig J



4



4

- 1/ Glue part 16 in place. The position of the parts on the photo-etch frame is the same as indicated in the drawings, forward is to the left. Be sure the holes correspond with those of part 17.
- 2/ Glue part 18 (detail should be visible from above) to the underside of part 17 (see fig G)
Glue the hoisting hooks (kit part M75) in place as shown.
Glue parts 25,26 & 27 to 17 as indicated.
Glue kit part M23 & M24 on top of these.
- 3/ Glue part 22 to the underside of part 21 (see fig H).
Glue parts 23 & 24 to 21 before gluing parts R5.
Add handles from #1 copper wire or rod (rod not included).

When closing the hatch we suggest to use the kit's hinges which are a one-piece casting.

If you decide to open the hatch use hinge parts 19 & 20. Position these hinges according to the markings on the side of part 22. Make sure the position of the hinge parts on part 17 correspond with the position of the hinges on part 21.

- 4/ If desired you can open part R7 to make it equal to the kit part M20, or you can let some black paint flow into the slits when painting your model.
Glue parts R6 & R7 to the hatch as shown in fig J.