



# FERRARI

# 312 T4

THE LEGENDARY 1970s F1 FERRARI

PACK **11**

STAGES 93-102



SCALE  
**1:8**

**AGORA**  
MODELS®



# FERRARI

# 312 T4

SCALE  
1:8

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# RIGHT BELLY SKIRT AND BULKHEAD

THIS STAGE PROVIDES THE PARTS TO COMPLETE AND CLOSE THE RIGHT BELLY. ASSEMBLY OF THESE PARTS WILL BE SIMILAR TO THE LEFT SIDE OF THE MODEL.



3 type P screws

## LIST OF PARTS

- 1 Right skirt
- 2 Right bulkhead

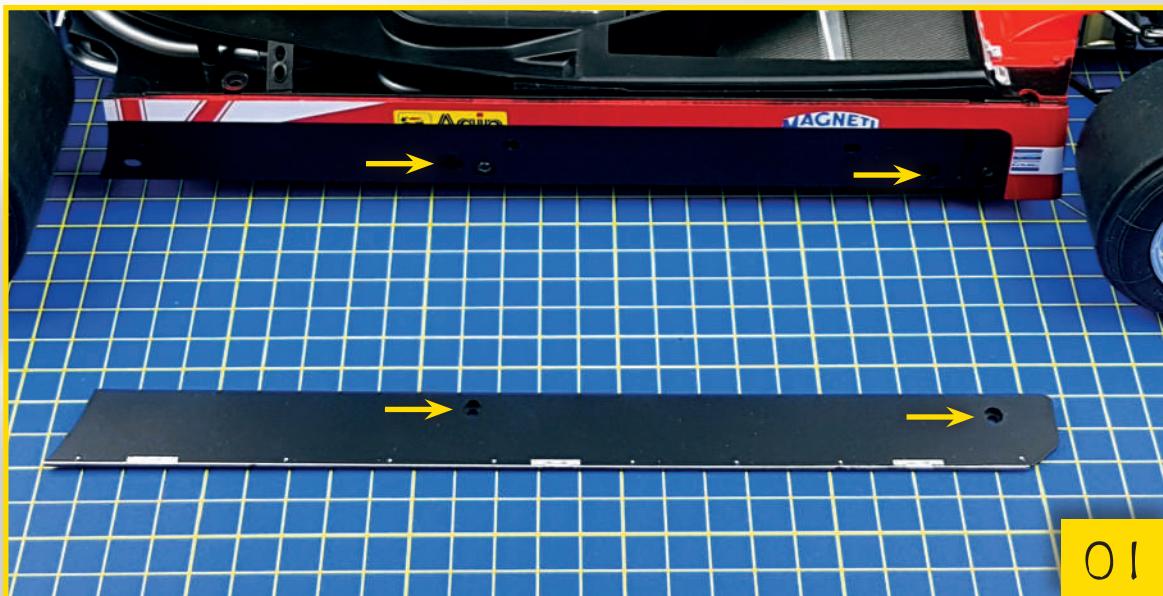
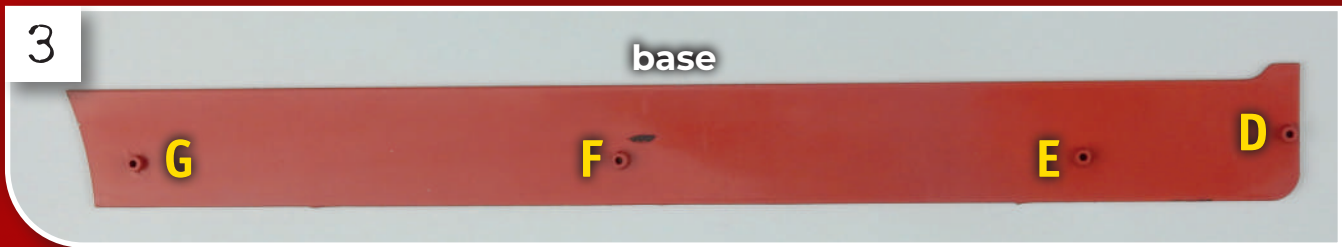
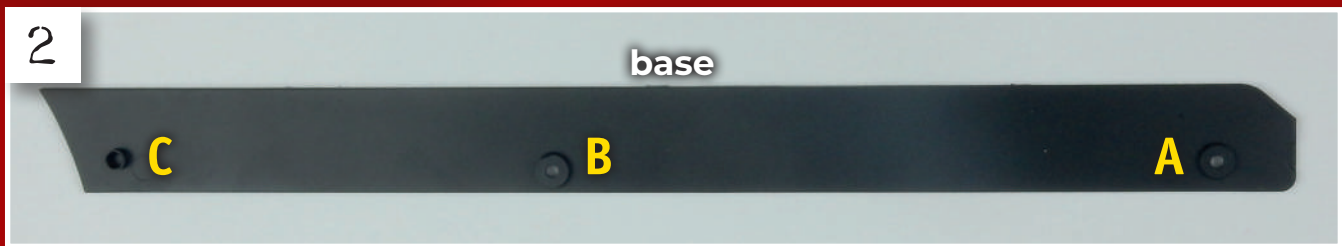
## SCREWS

Three type P screws

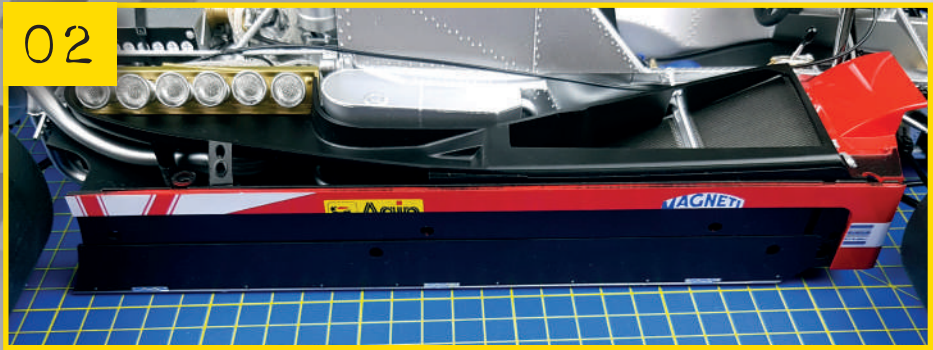


# FASTENING POINTS FOR THE SKIRT AND RIGHT BELLY BULKHEAD

The images show the points for joining and fixing the skirt (A, B, C) and the bulkhead (D, E, F, G) to the right belly.



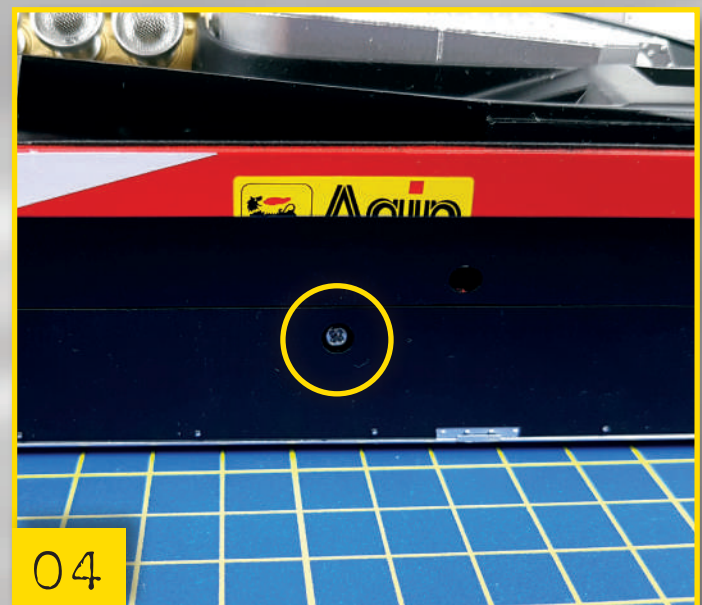
**93-01** Take the model and the right side skirt. The arrows highlight the holes (A, B) where the fastening screws will be inserted.



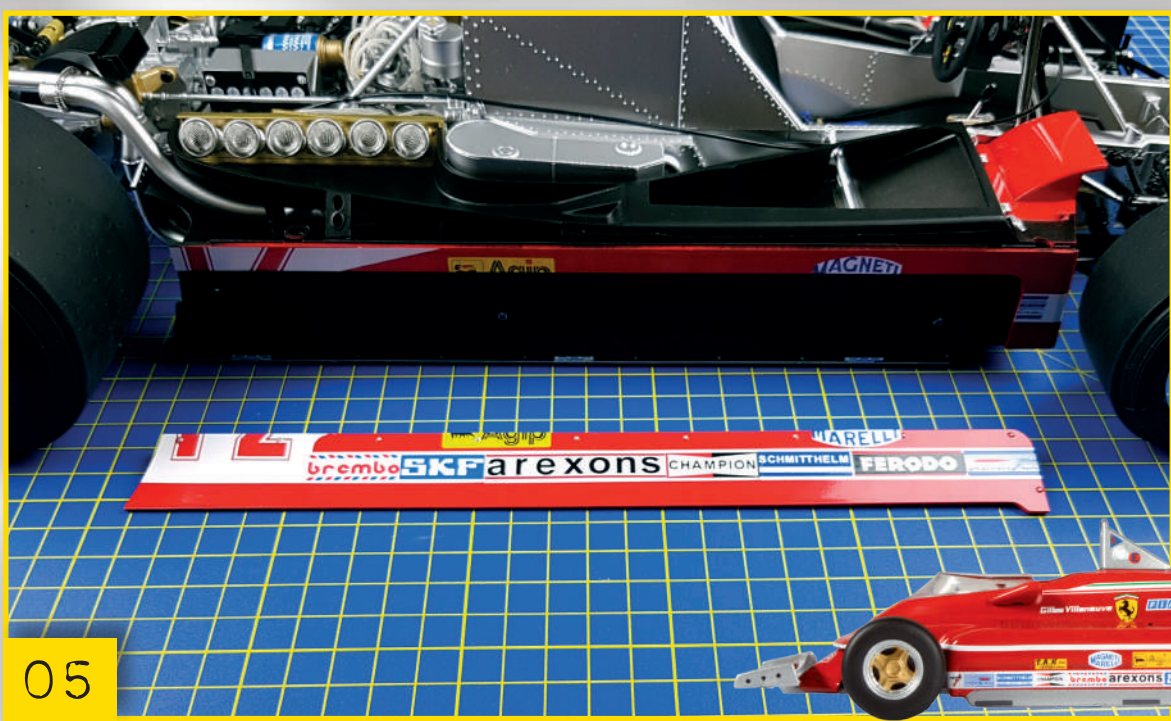
**93-02**  
Position the skirt so that the fastening holes match with the screw seats.



**93-03** Insert and tighten a type P screw in the first hole (A) in the front.

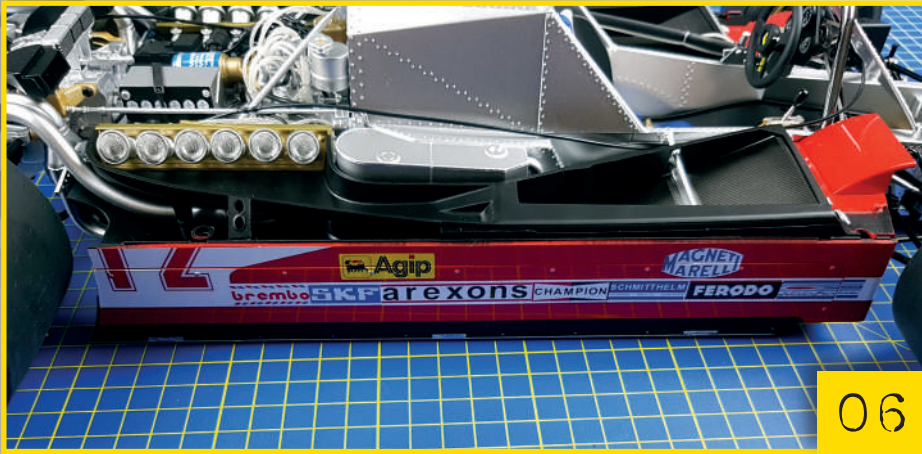


**93-04** Insert and tighten a type P screw into the second hole (B).

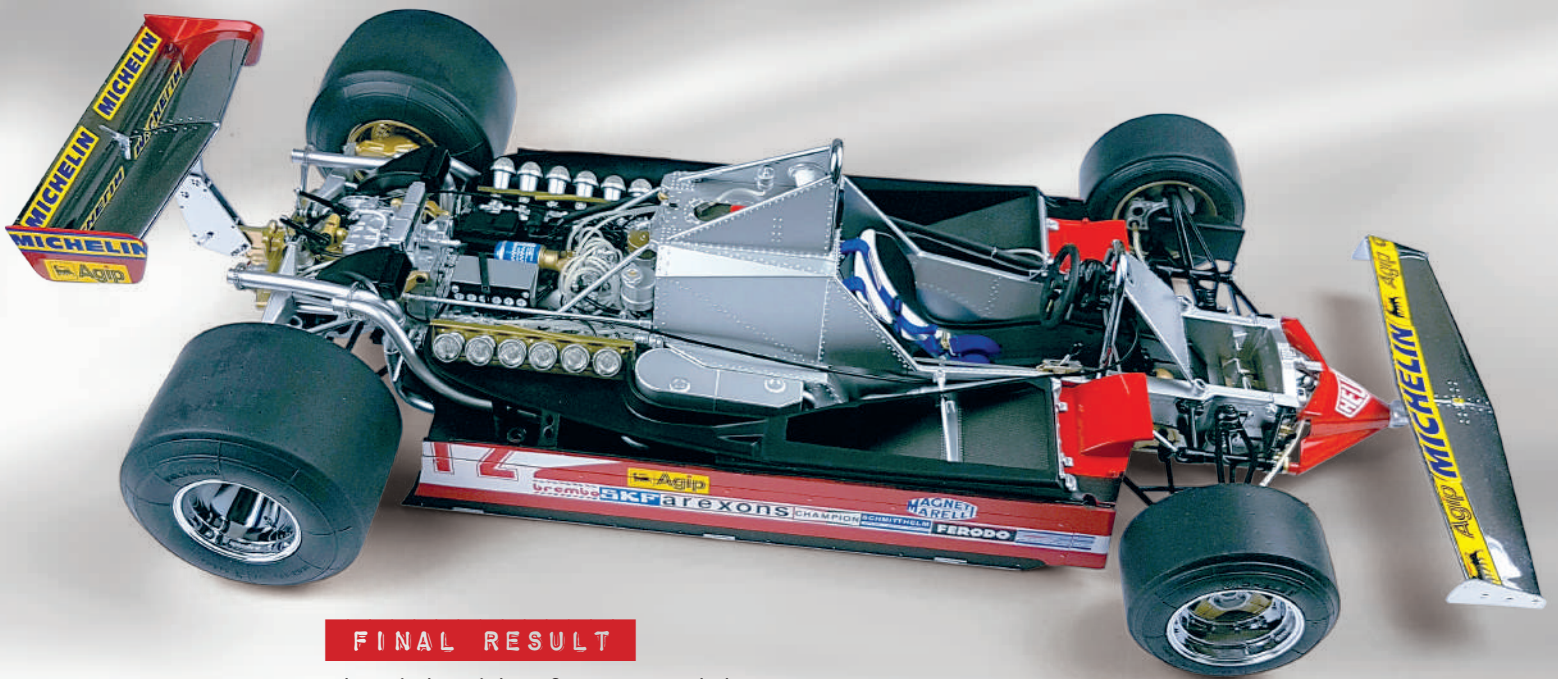


**93-05**  
Now take the bulkhead and align it with the right side.





**93-06** Slot it in so that the four fastening points (D, E, F, G, shown on page 2) all match. Press down gently until the covering snaps into place.



**FINAL RESULT**

The right side of your model now looks like this.

**In the next stage**  
Left inner covering.

# LEFT SIDE BODYWORK INNER COVERING

IN THIS STAGE YOU WILL PREPARE AND ARRANGE THE CABLES AND LINES ON THE RIGHT SIDE OF THE COCKPIT SO THEY ARE TIDIED AWAY, AND USE TAPE TO KEEP THE SEATBELTS ON THE SEAT. THIS IS TO SIMULATE THE WEIGHT OF THE BUCKLES HOLDING THE BELTS DOWN.

THE EXTRA MATERIALS YOU WILL NEED FOR THIS – TWO-SIDED TAPE AND SILVER TAPE – CAN BE FOUND IN ANY DIY STORE.



3 type H screws



## LIST OF PARTS

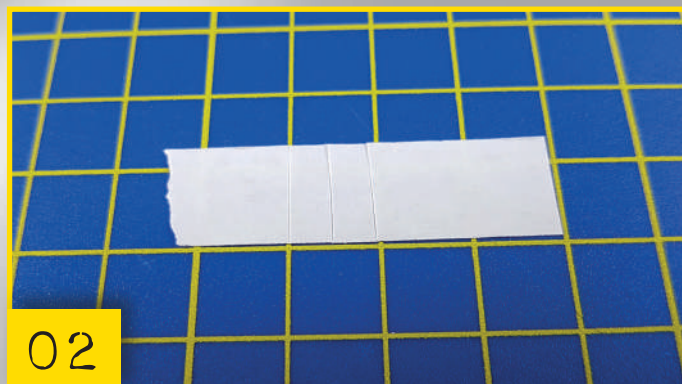
1 Left inner covering

## SCREWS

Three type H screws



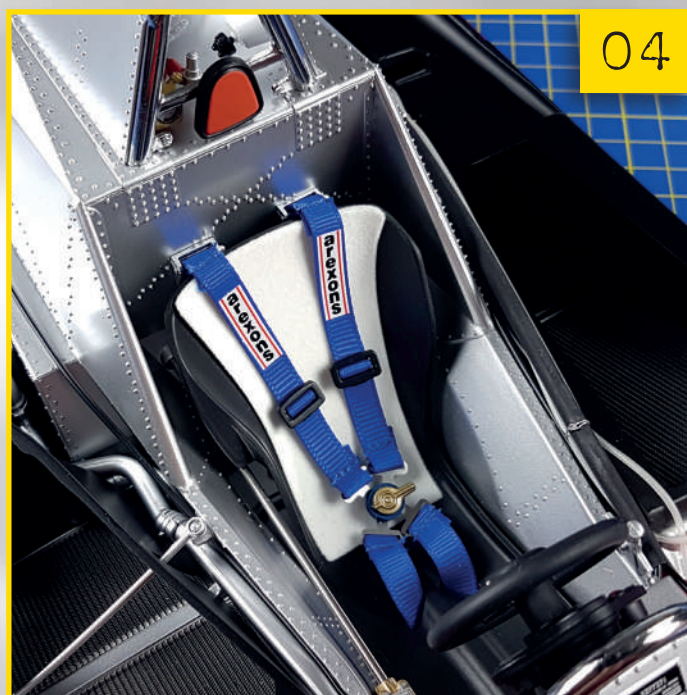
**94-01** Place the model on your work surface. Note the seatbelts, which are slightly raised against the surface of the seat.



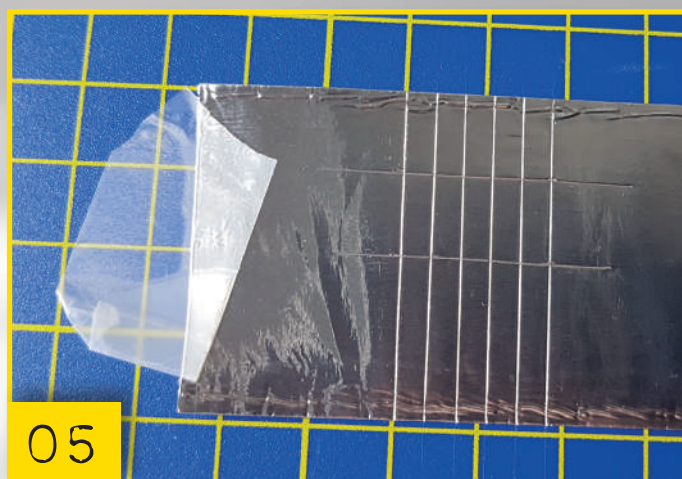
**94-02** Take a strip of two-sided tape and apply it to the work surface. Cut two strips 4–5 mm wide and approx. 12–13 mm long.



**94-03** Remove the protective film and, with tweezers, lift one of the two seatbelts and place the two-sided tape on the bottom side, just under the buckle.



**94-04** Press gently onto the belt to make sure that it adheres to the seat, and then repeat this step for the other seatbelt.



**94-05** Now take the silver tape. Cut a strip and secure it to the work surface with adhesive tape. Use a ruler and a sharp cutter and make vertical cuts to obtain strips 3 mm wide and approx. 12 mm long as shown.

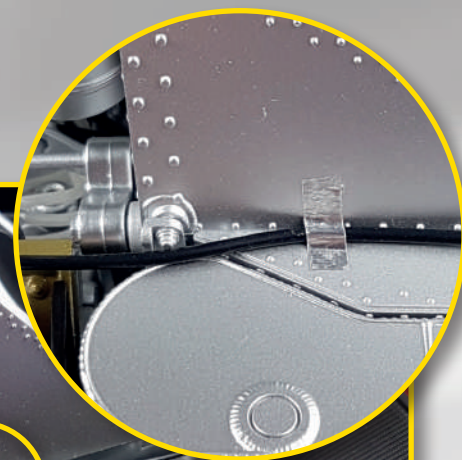


06

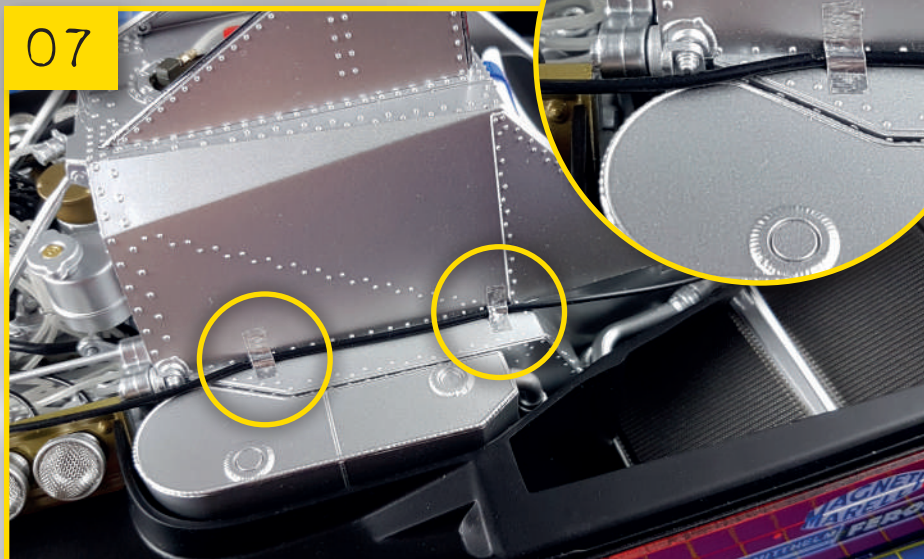


**94-06**

Use tweezers to remove the black line from the right dashboard indicator.



07



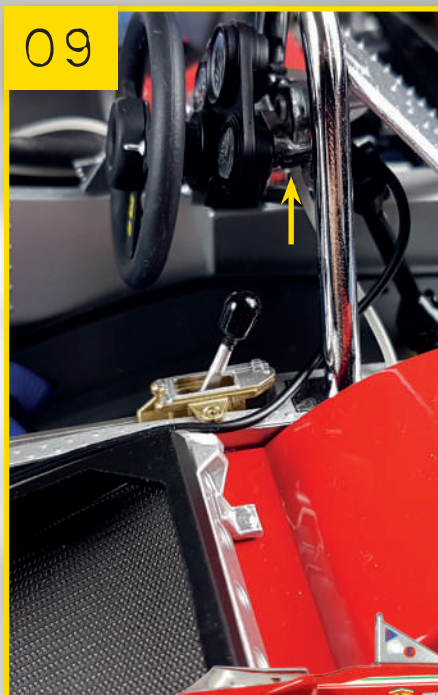
**94-07** After laying out the line, starting from the gearbox, fix a strip of silver tape to the top part of the tank, then around the line and on the upright part, cockpit side. Use the inset image to help you understand the passage of the line, especially around the securing plate. Place a second strip of silver tape around 3 cm away from the first.



08

**94-08** Now cut a strip, 12 mm long and 10 mm wide and fix it over the radiator line, as well as just before the radiator tie-rod.

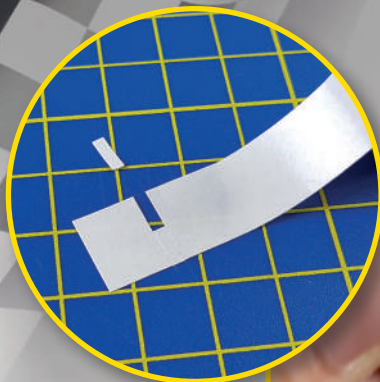
09



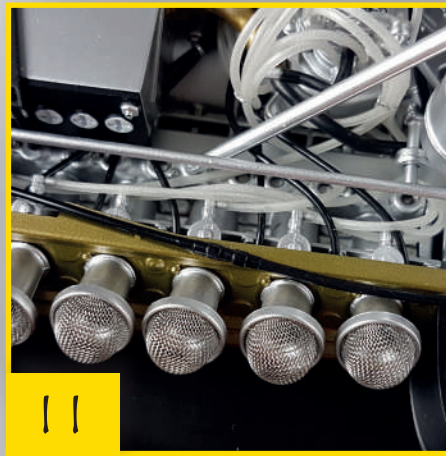
**94-09**

Now reposition the black line on the dashboard indicator fitting, indicated by an arrow.





**94-10** Cut a strip of two-sided tape 2 mm wide and 5 mm long. Place the two-sided tape in the recess above the third air funnel trumpet.



**94-11** Now place the cable joint onto the two-sided tape and press it down. This will keep the line in the correct position.



**FINAL RESULT**

This is what your model will look like with the cables tidied away neatly.



# RIGHT SIDE BODYWORK INNER COVERING

NOW YOU'LL PREPARE AND ARRANGE THE CABLES AND LINES ON THE LEFT SIDE OF THE COCKPIT SO THEY ARE TIDIED AWAY. YOU WILL ALSO REARRANGE SOME SHORT SECTIONS OF THE LINES, TO MAKE YOUR 1:8 SCALE FERRARI 312 T4 EVEN MORE REALISTIC.



3 type H screws



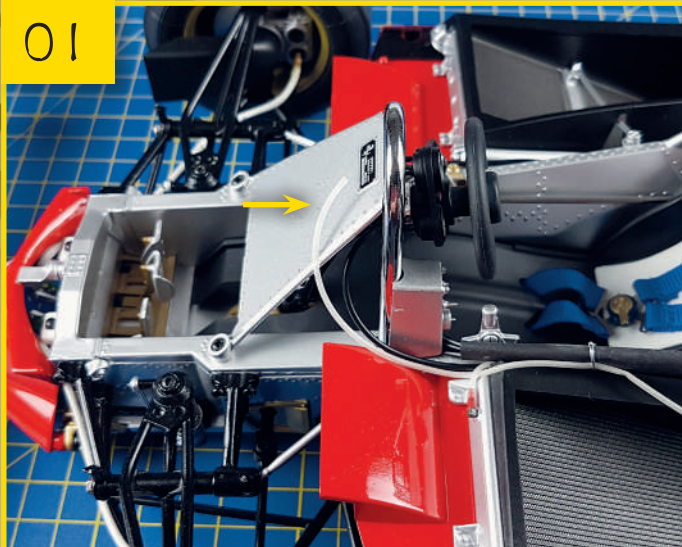
## LIST OF PARTS

1 Right inner covering

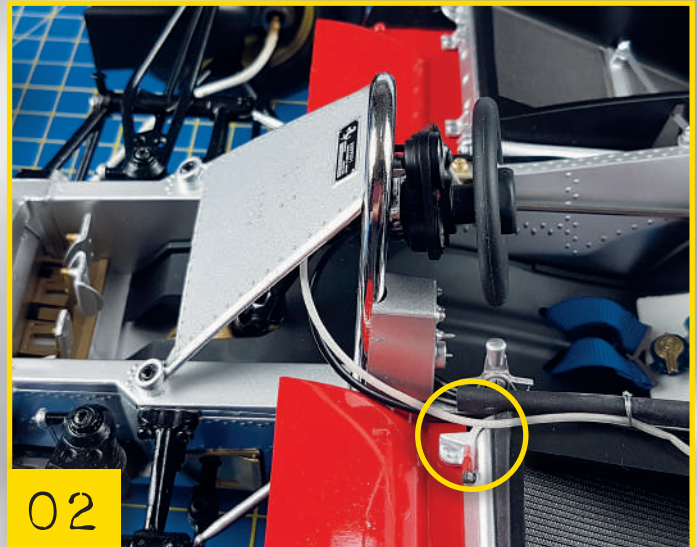
## SCREWS

Three type H screws

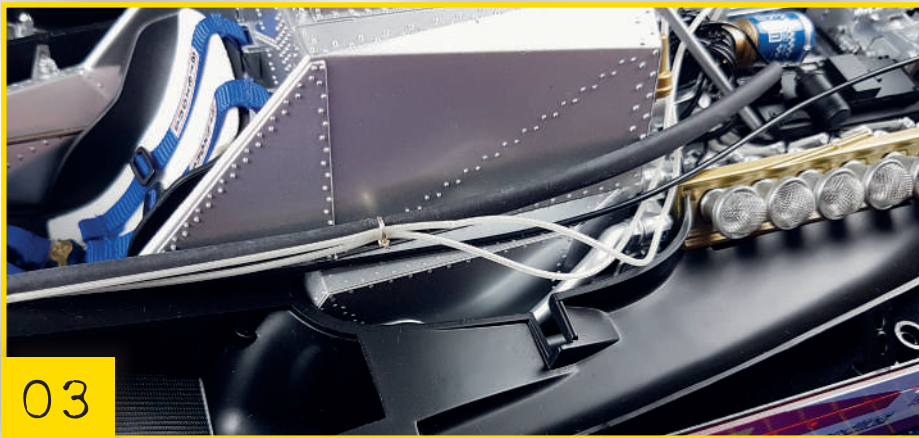




**95-01** Place the model on your work surface. Use tweezers to remove the clear tube from the dashboard indicator.

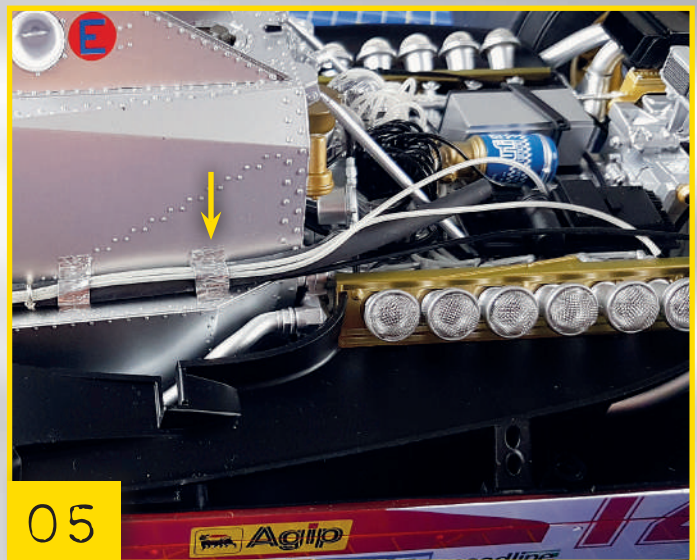
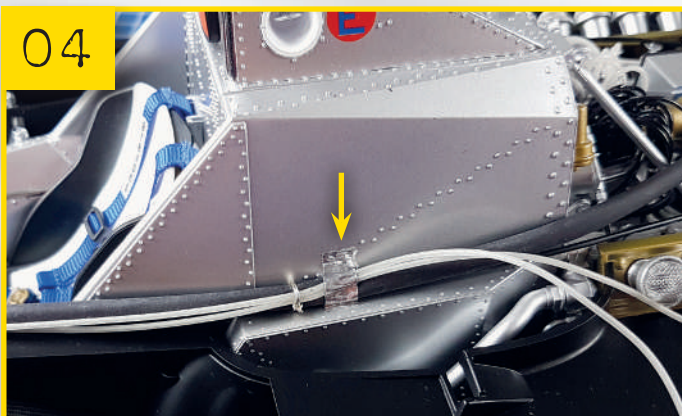


**95-02** Slide it from under the transparent tube of the radiator (circled). Connect the tube back to the dashboard using a pair of tweezers.

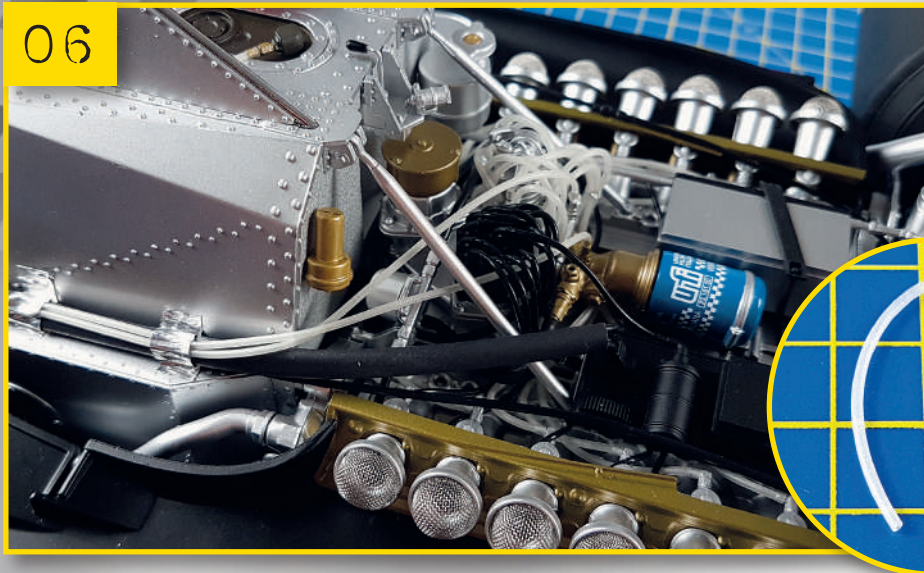


**95-03** Gently pull both clear tubes so that they are both in line, without making any loops around the cockpit, as shown.

**95-04** Take a strip of silver adhesive tape and, with a sharp cutter, cut it into several strips, approx. 5 mm wide and 15-18 mm long. Keeping the tubes as shown, fix a first strip of silver tape to hold them in place.

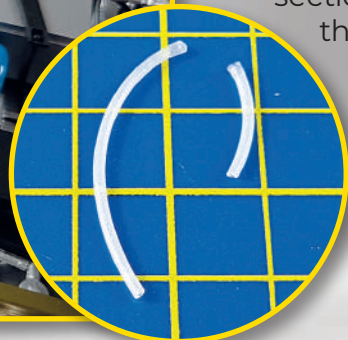


**95-05** Keep the cables taut, fix them with a second strip of silver tape.



06

**95-06** Disconnect the two clear tubes from the oil filter couplings, pass them under the roll-bar tie-rods and under the cables of the distributor wires. Cut a 13 mm long section from the tube, then a second, longer 33–35 mm section. Now reconnect the tubes to the same connections you disconnected them from.



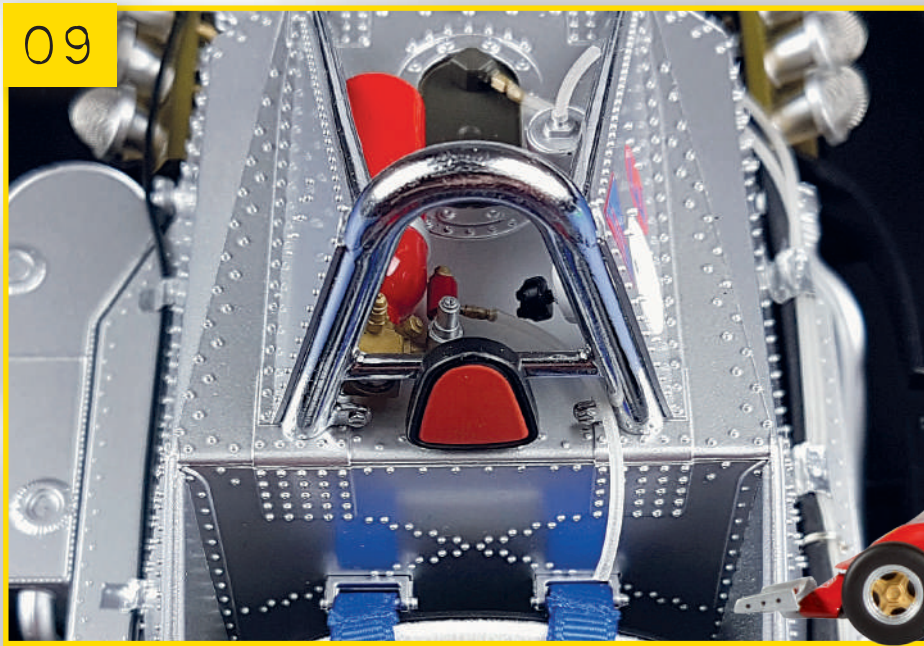
07

**95-07** Cut one end of the short tube cut in the previous step so that it is bevelled to about 45°. Fit the short tube over the tank breather filter, as in the image.



08

**95-08** Connect the longer tube cutting to the fitting on the canister of compressed air inside the roll-bar.

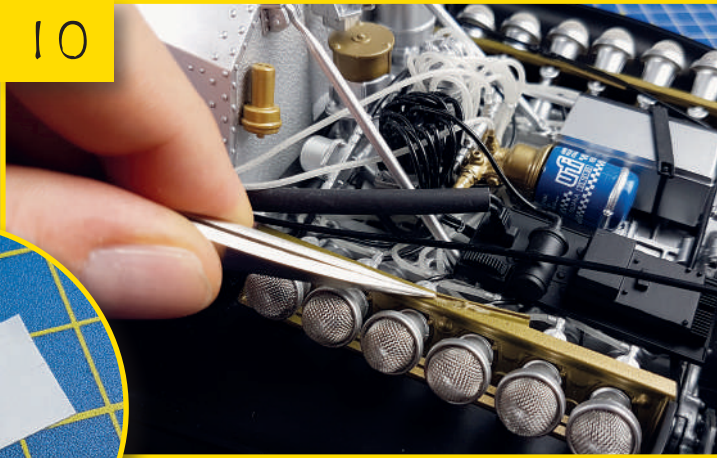


09

**95-09** Pass the free end of the tube to the left (in the direction of travel) of the headrest.



10

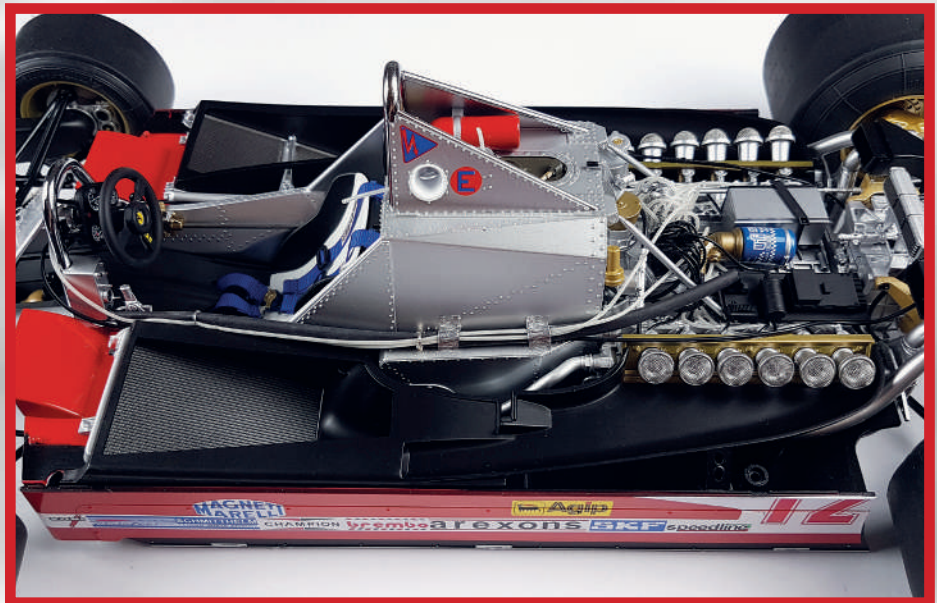
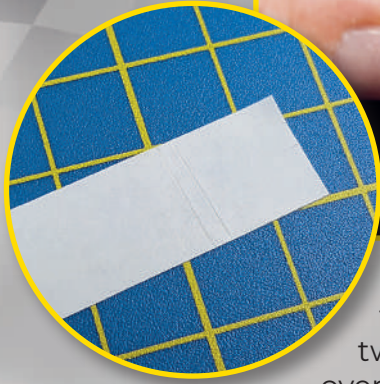


**95-10** Cut a strip of two-sided adhesive tape, 2 mm wide and 10–12 mm long. Use tweezers to place the double-sided tape over the recess above the third air horn.



11

**95-11** Now place the cable joint over the two-sided tape and press. This will hold the cable in the correct position.



**FINAL RESULT**

The cables have been tidied and connected correctly on your model.

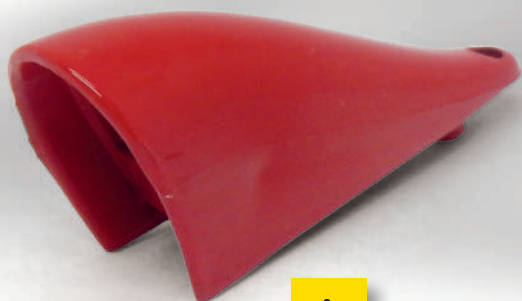
**In the next stage**

Right wing mirror parts.



# RIGHT WING MIRROR

NOW YOU'LL ASSEMBLE THE RIGHT WING MIRROR, WHICH YOU WILL BE ABLE TO FIT TO YOUR NEARLY COMPLETE MODEL AT A LATER STAGE.



1



2



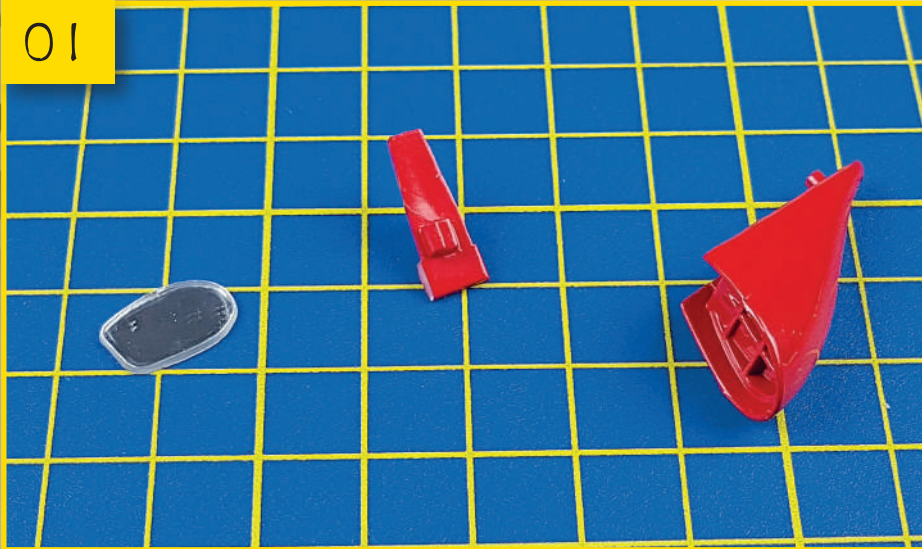
3

## LIST OF PARTS

- 1 Cowling
- 2 Support
- 3 Mirror



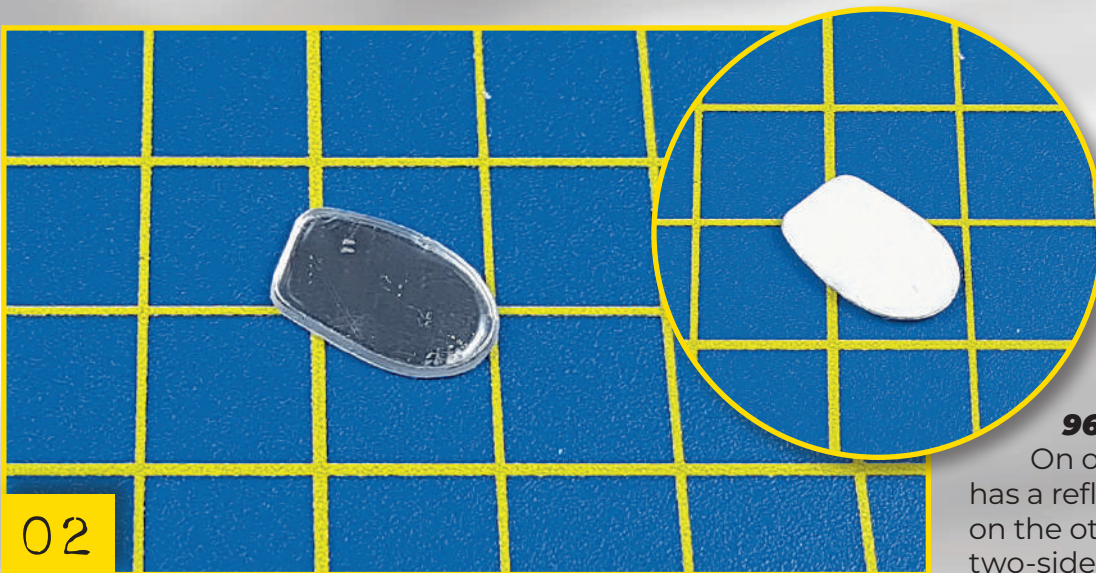
01



**96-01**

Set out the parts of the wing mirror on your work surface: (left to right) mirror, support, and cowling.

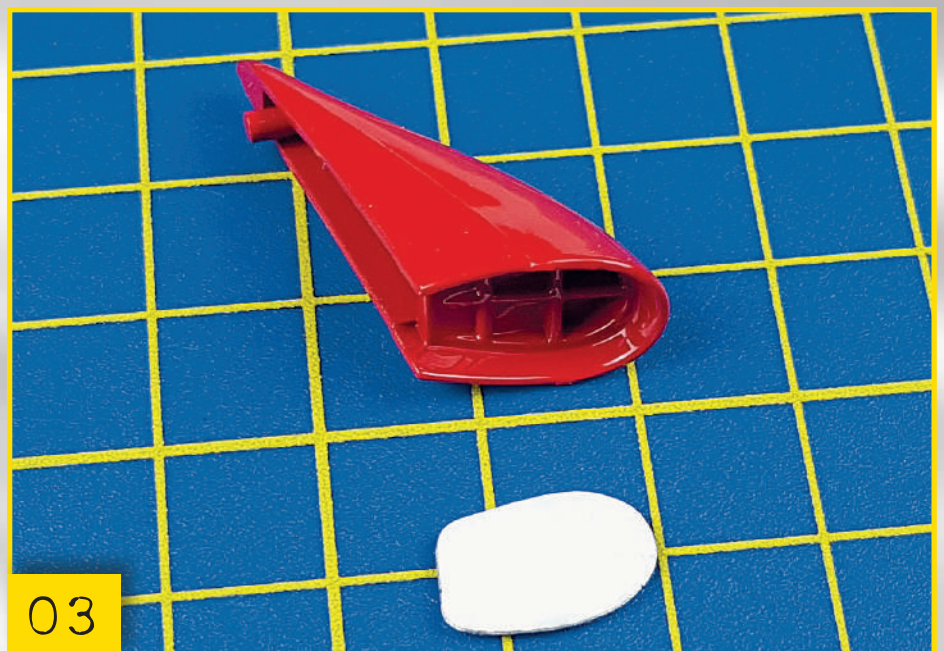
02



**96-02**

On one side, the mirror has a reflective surface, while on the other, there is a layer of two-sided tape.

03



**96-03**

The shaped form of the cowling matches the shape of the mirror.

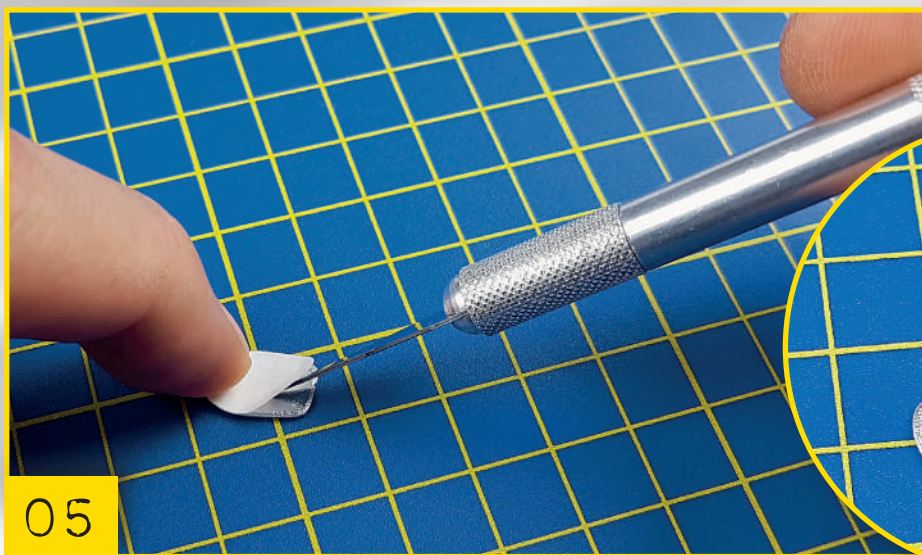


04



**96-04** You can try placing the mirror into the cowling without the two-sided tape in order to test the fitting.

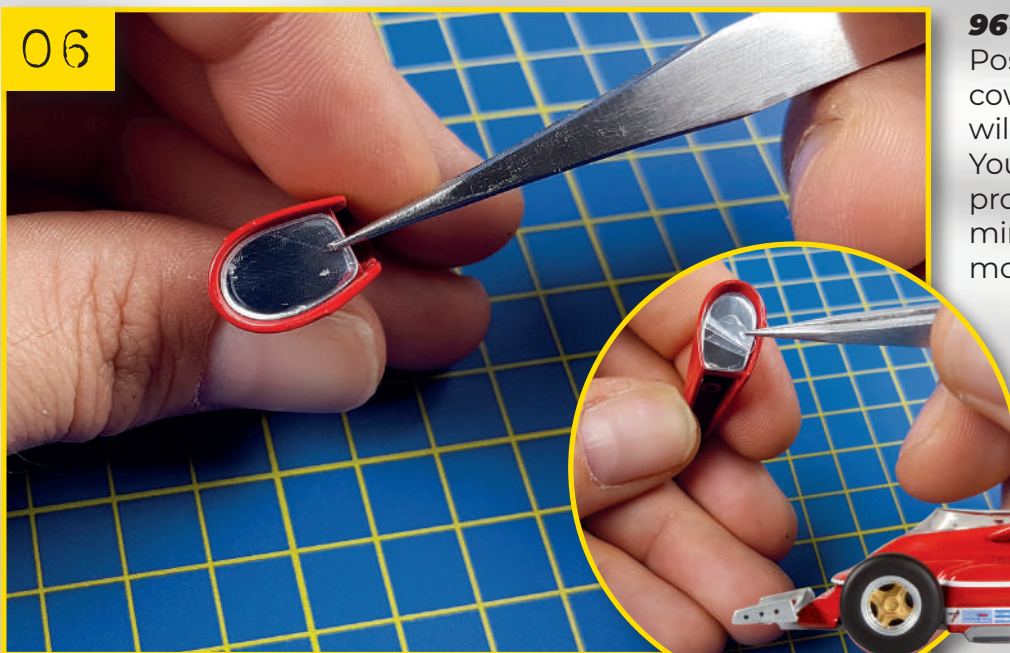
**96-05**  
Lift the film from the double-sided tape and remove it with the help of tweezers.



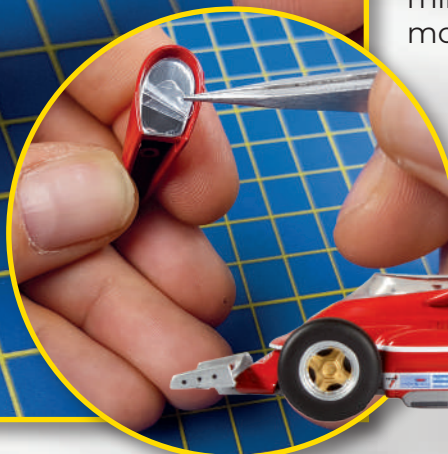
05



06



**96-06**  
Position the mirror inside the cowling. The two-sided tape will hold the mirror securely. You can remove the clear film protecting the surface of the mirror now, or wait until the model is finished.



07



**96-07** Take the support and fix it to the cowling, using its pin as shown.

**FINAL RESULT**

You have finished building the right wing mirror. Carefully set it to one side.



**In the next stage**

Parts of the left wing mirror.



# LEFT WING MIRROR

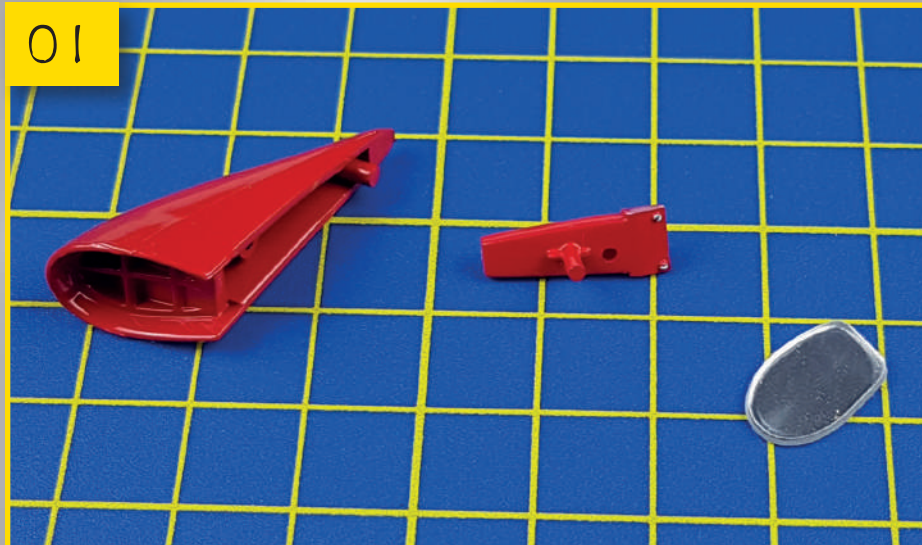
NEXT YOU'LL BUILD THE LEFT WING MIRROR, IN THE SAME WAY AS THE RIGHT ONE FROM THE PREVIOUS STAGE.



## LIST OF PARTS

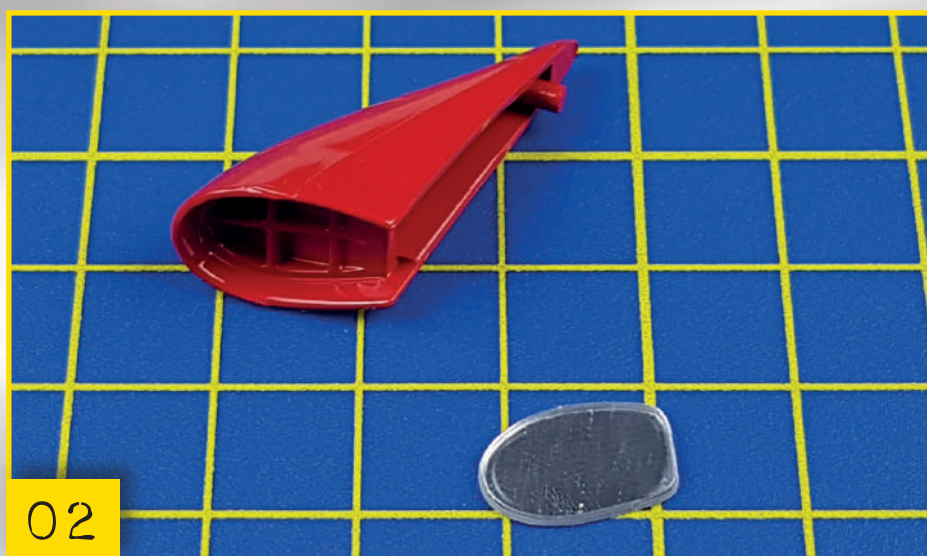
- 1 Cowling
- 2 Support
- 3 Mirror





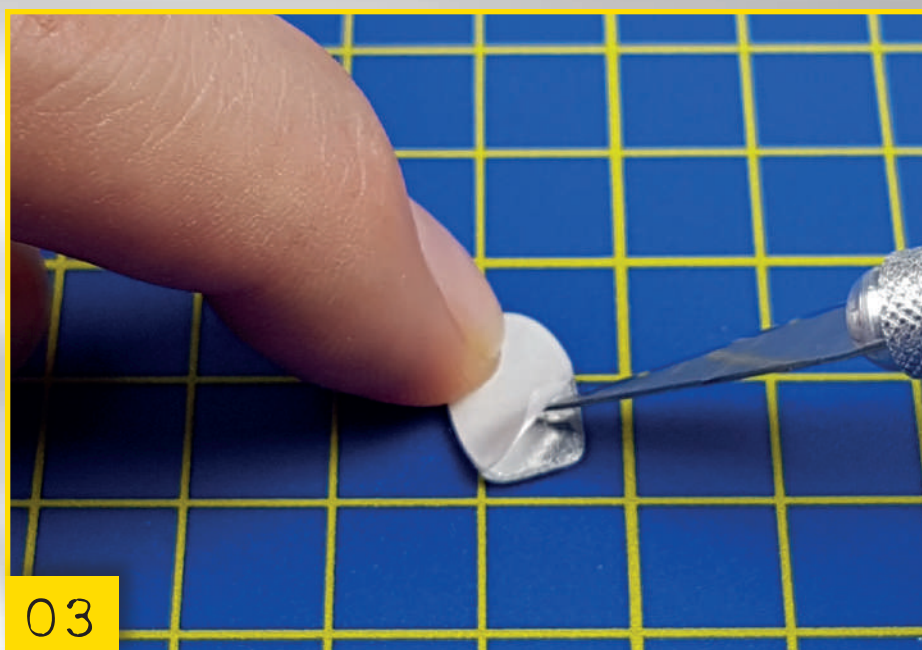
**97-01**

Set out the parts of the wing mirror on your work surface: (left to right) cowling, support, and mirror.



**97-02**

As before, the mirror has a reflective surface, while on the other side there is a layer of two-sided tape. The cowling is shaped to accommodate the mirror.



**97-03** Lift the film from the double-sided tape and with the help of tweezers.

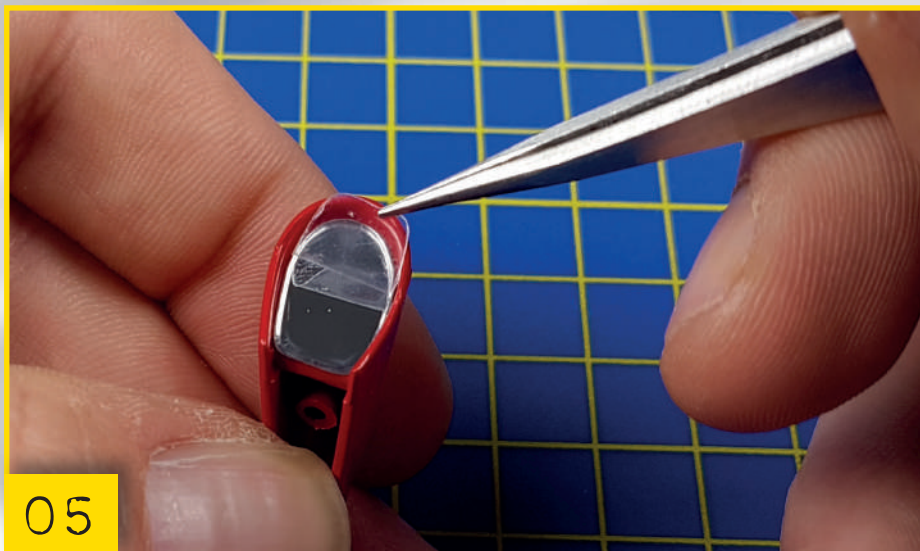
04



**97-04** Position the mirror inside the cowling. The two-sided tape will hold it in place.

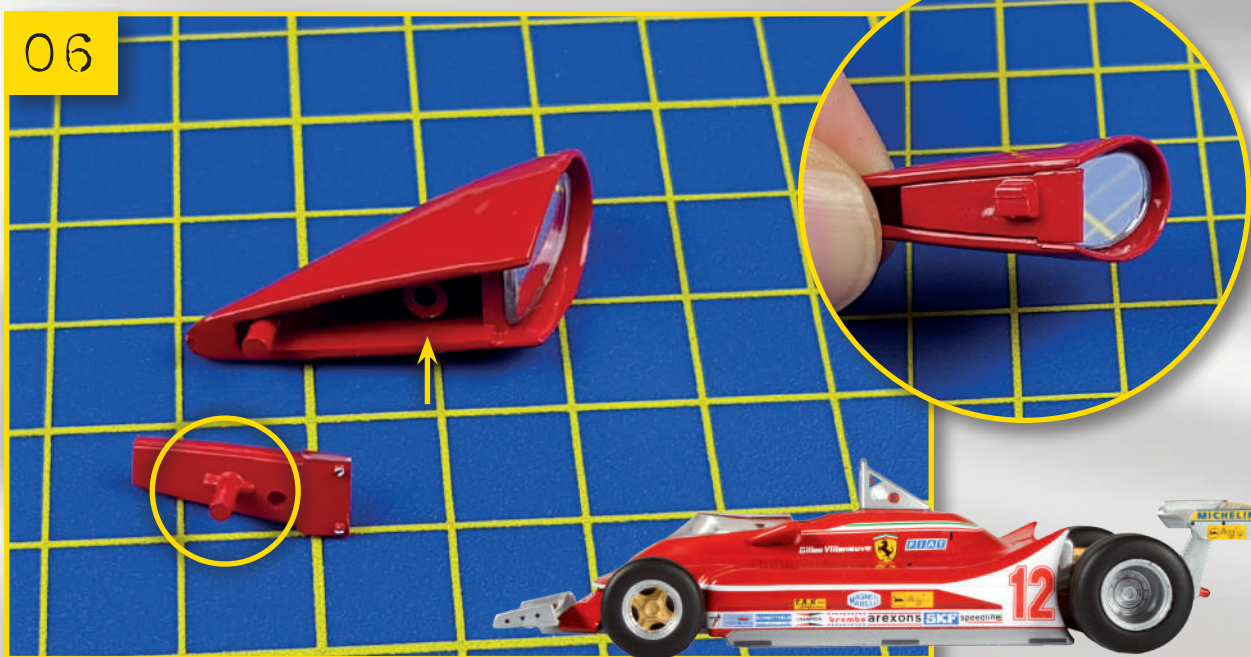
**97-05**

You can remove the clear film protecting the reflective surface of the mirror, or wait until the build is completely finished.



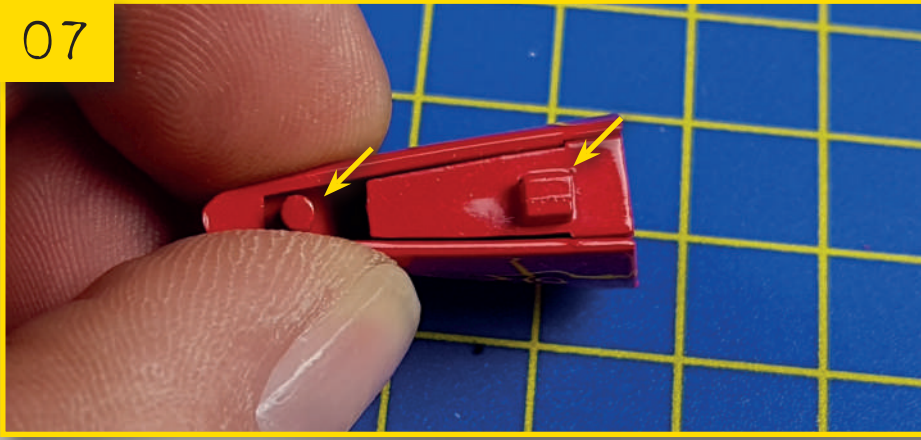
05

06



**97-06** Now take the support and fix it to the cowling, using the circled pin.

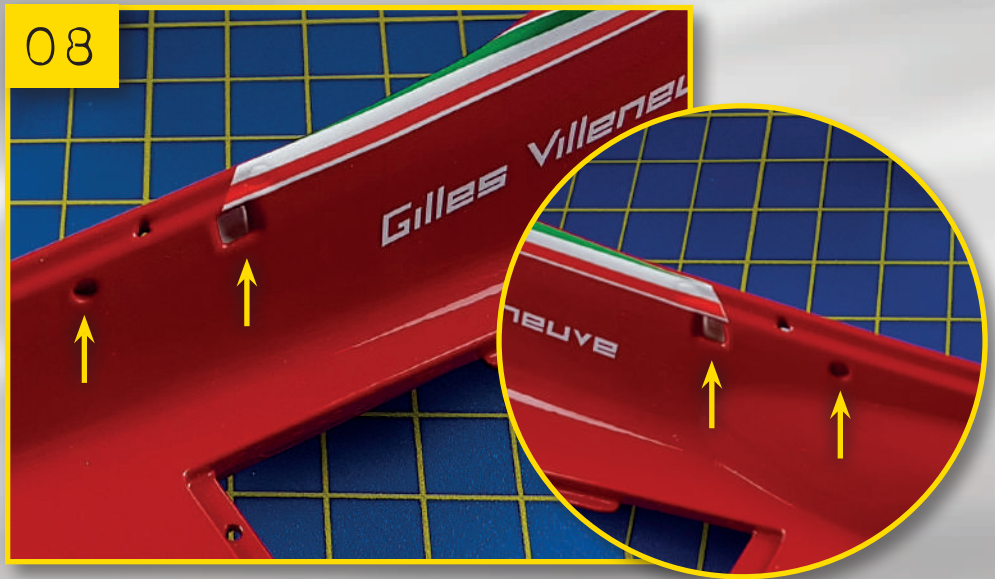
07



**97-07** The circular and rectangular pegs highlighted here will secure the mirror to the bodywork, which will be supplied with stage 100.

**97-08** Both mirrors have these fastening elements. These photos show you a preview where they will be mounted on the bodywork.

08



**FINAL RESULT**

Now you have finished building the left wing mirror. Carefully set it to one side, along with the right wing mirror, until needed.



**In the next stage**

The cockpit windscreen



# THE COCKPIT WINDSCREEN

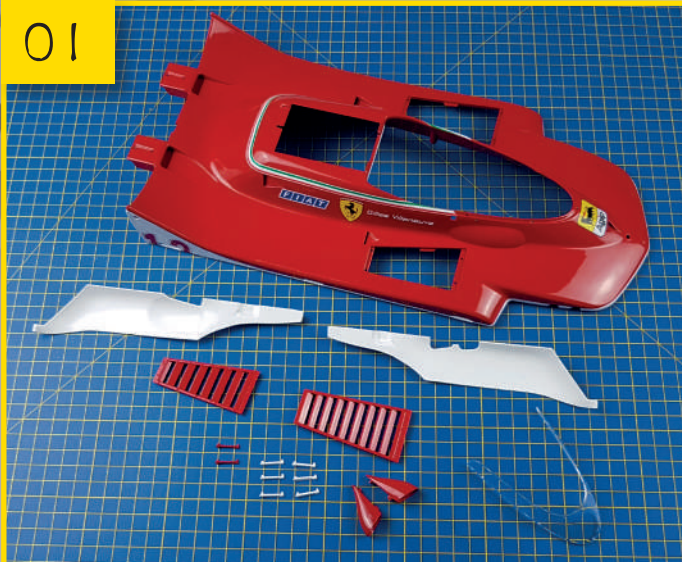
STAGE 98 CONTAINS AN ESSENTIAL PART TO COMPLETE THE DRIVER'S EQUIPMENT. THE INSTRUCTIONS IN THE NEXT THREE STAGES RELATE TO THE BODYWORK, WE RECOMMEND READING FROM HERE THROUGH TO STAGE 100, THEN RETURNING TO THIS STAGE WITH ALL THE PARTS READY FOR ASSEMBLY.



## LIST OF PARTS

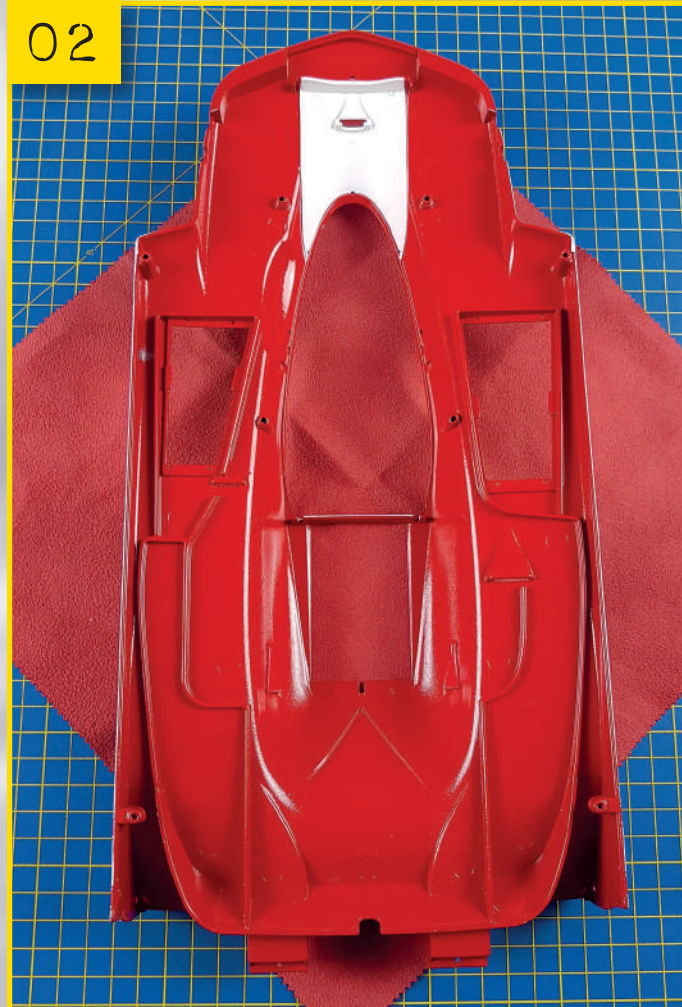
- 1 Cockpit windscreen



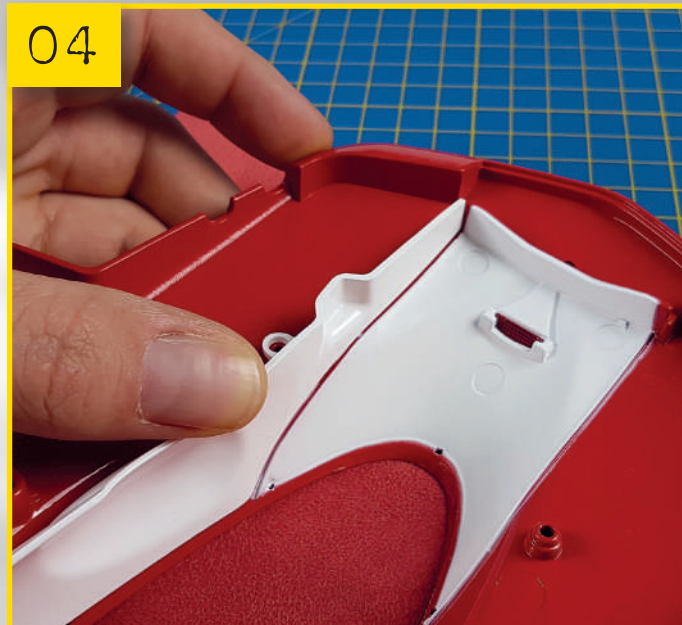


**98-01** This stage begins the instructions that will add detail to and complete the bodywork of the model. Gather the parts from stages 98, 99 and 100 along with the inner coverings (stages 94 and 95) and the wing mirrors (stages 96 and 97), as shown in the image above.

**98-02** Set the upturned bodywork on your work surface. To avoid damaging the paintwork, place it on a soft or microfibre cloth.

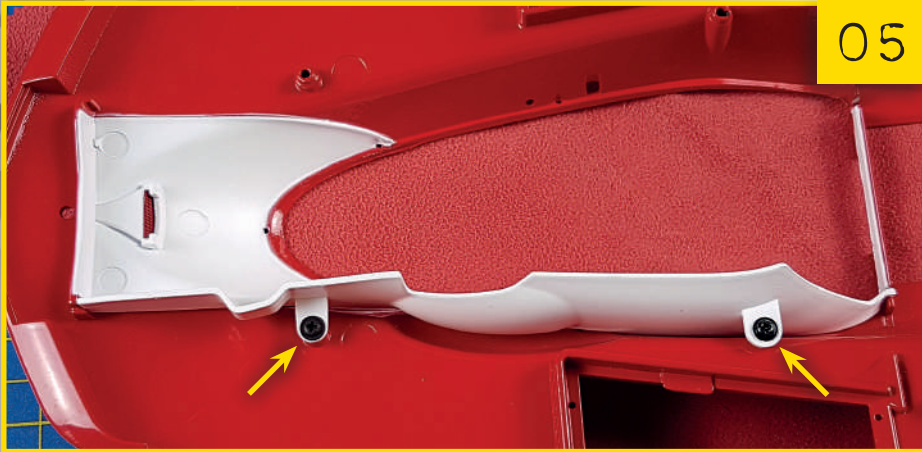


**98-03** Take the right inner covering (stage 95) and slot the rear tab into the cross joint: then bring the two seats of the screws together with their respective posts.

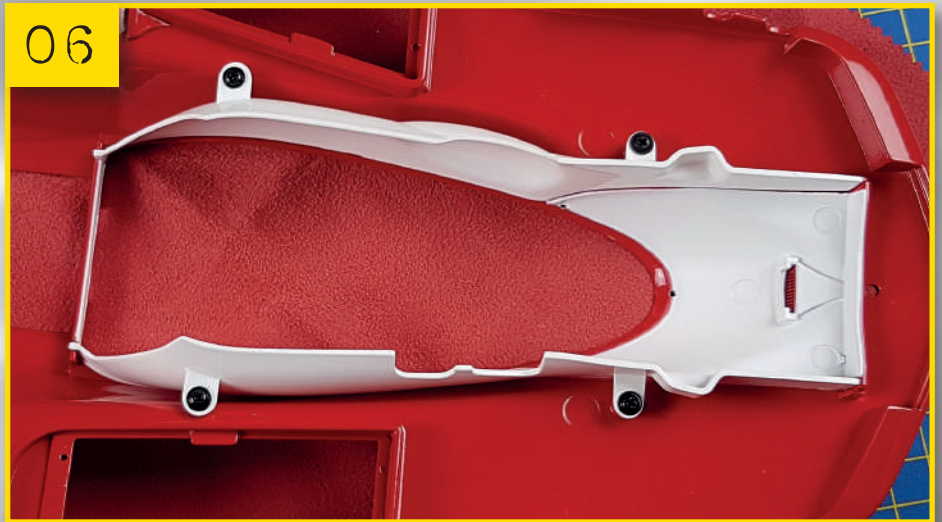


**98-04** Raise the front part before it is fixed in place; the image shows how to position the front tab.





**98-05**  
Take two flanged type H screws and tighten them fully in the relevant fixing holes.



**98-06**  
Now position the left inner covering (stage 94) and fit it in the bodywork, following the same steps as for the right covering.

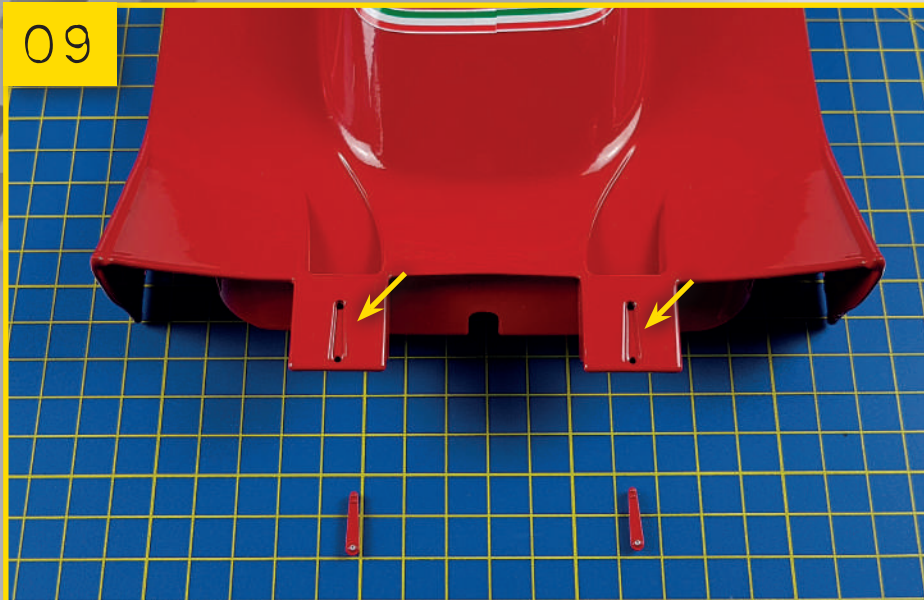


**98-07**  
This is what the right inner covering looks like from outside the bodywork...



**98-08** ... and the left covering looks like this.

09

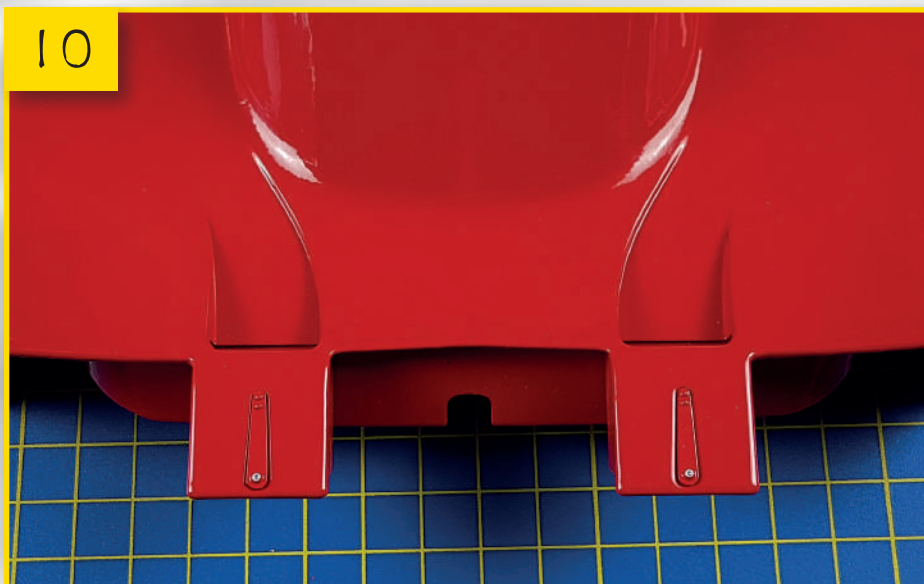


**98-09** Press the two hooks into the recess until they are fitted in place.

**98-10**

Take the hooks (stage 100) and align them with the bodywork, making sure they are facing the right way as shown.

10



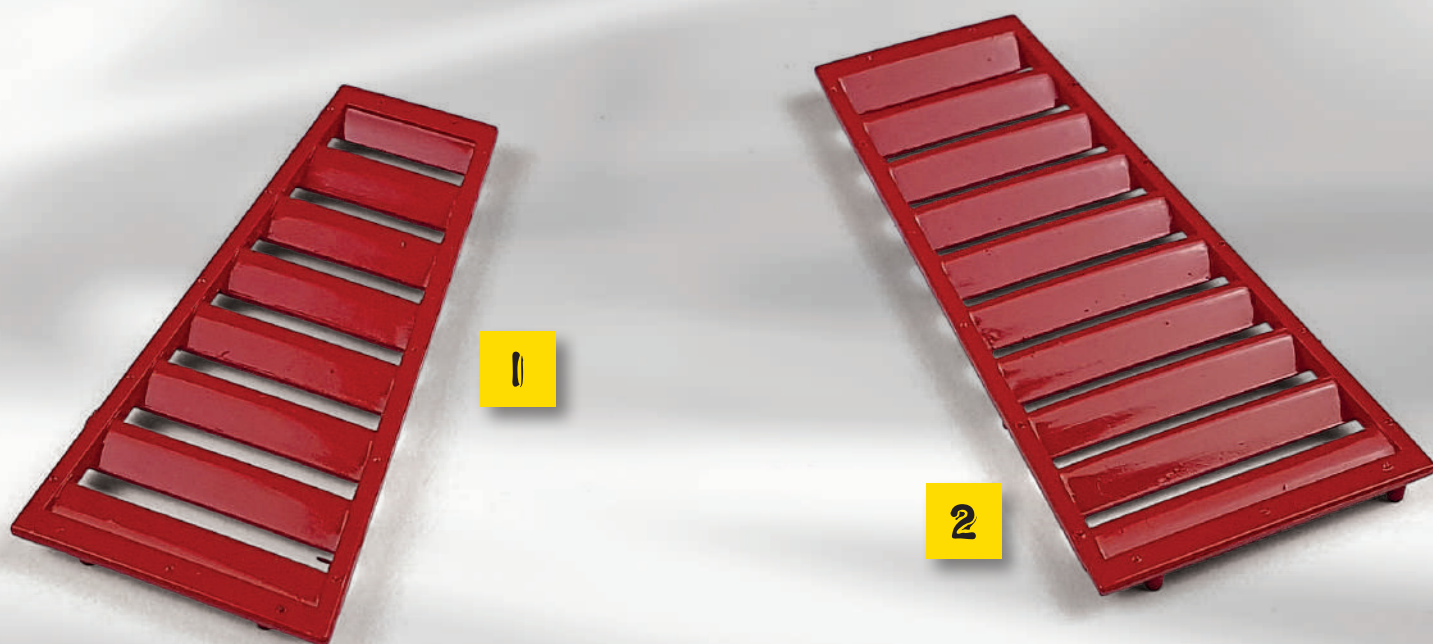
### In the next stage

The radiator air vents.



# SIDE RADIATOR MESH SECTIONS

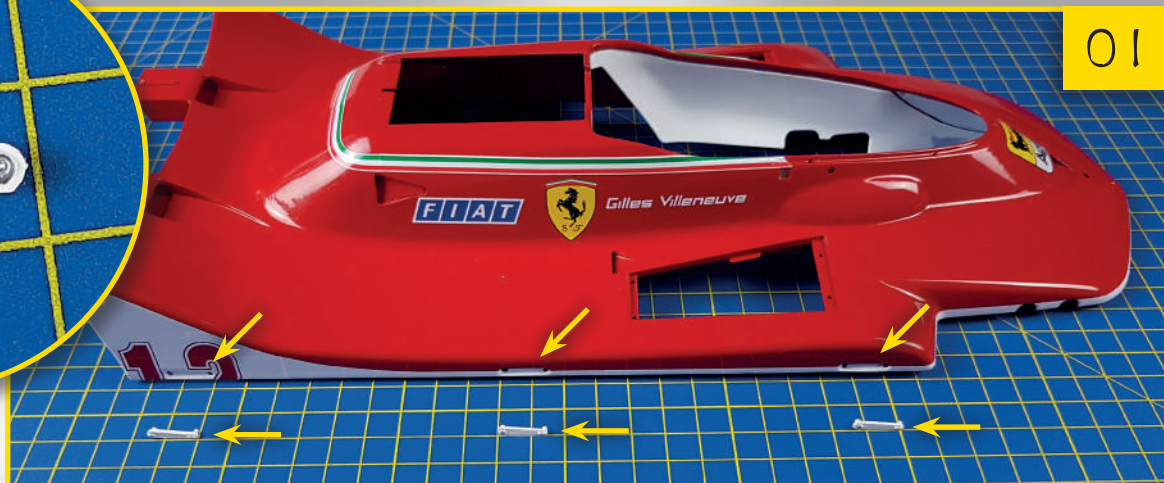
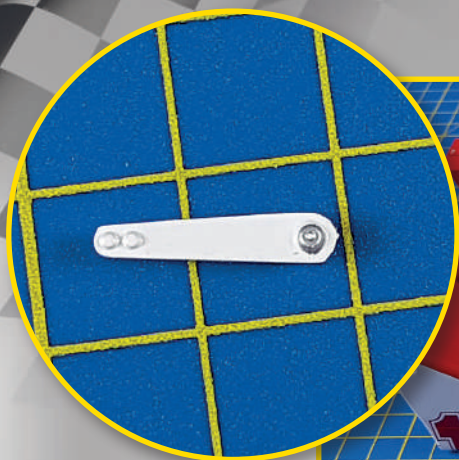
THIS STAGE PROVIDES THE SIDE MESH SECTIONS THAT SERVE AS AN OUTLET FOR HOT AIR FROM THE FRONT SIDE RADIATORS OF THE COCKPIT. YOU'LL CONTINUE THE ASSEMBLY OF THE BODYWORK FROM THE PREVIOUS STAGE.



## LIST OF PARTS

- 1 Right radiator mesh
- 2 Left radiator mesh





01

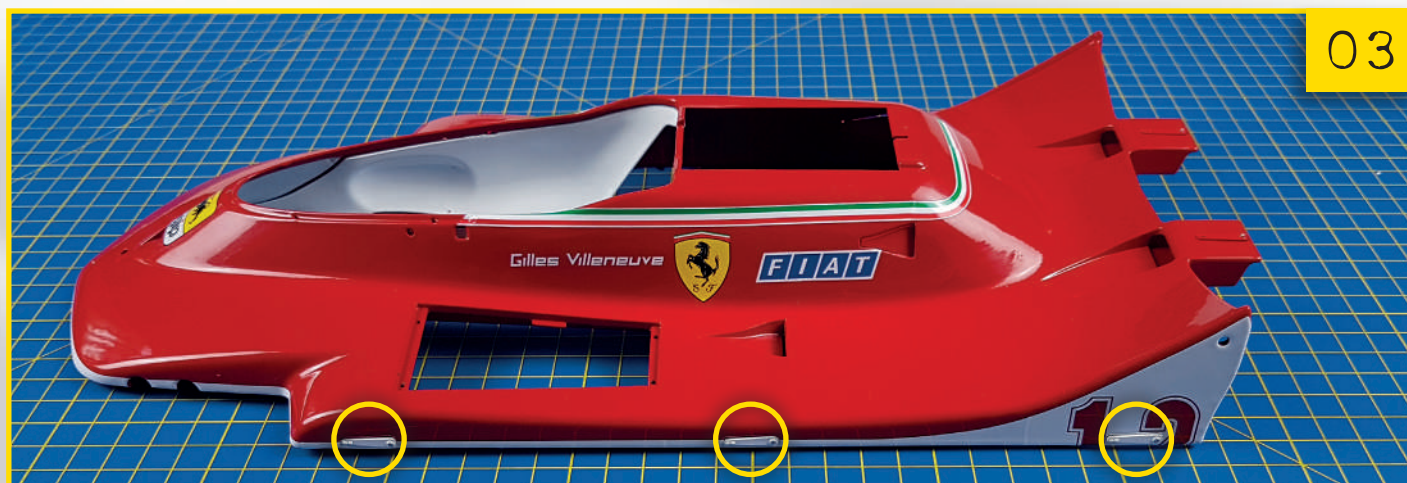
**99-01** Take the six white hooks which are trapezoidal in shape with one wider end and a more tapered one. Place three hooks on the right of the bodywork with their narrow ends facing the direction of travel as shown.



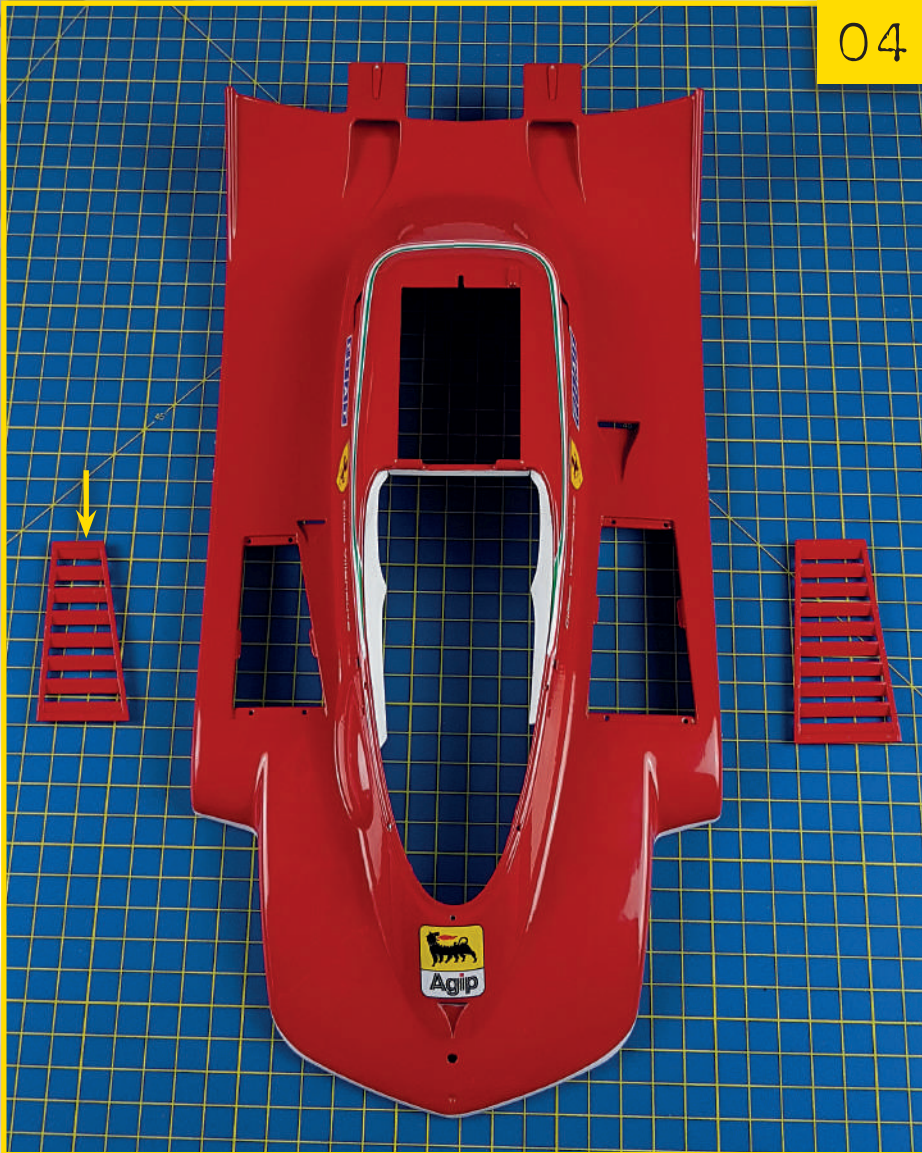
02

**99-02** Press the three hooks into place, using the relevant retaining pins.

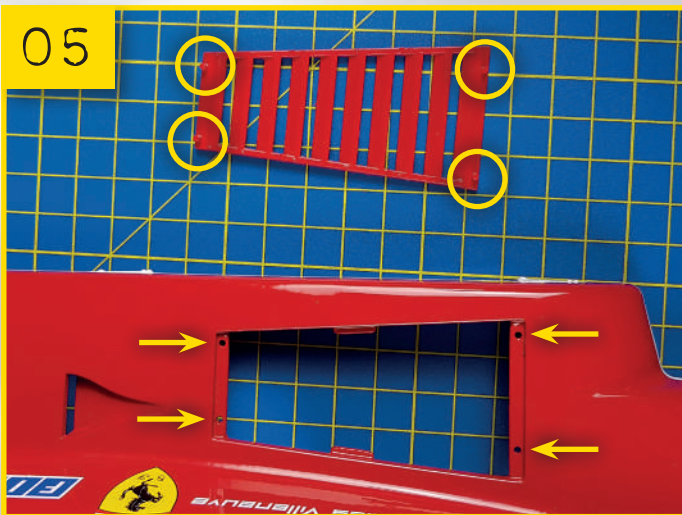
**99-03** Fit the other three hooks on the left side of the bodywork. As with the others, the narrow ends must face the front of the vehicle.



03



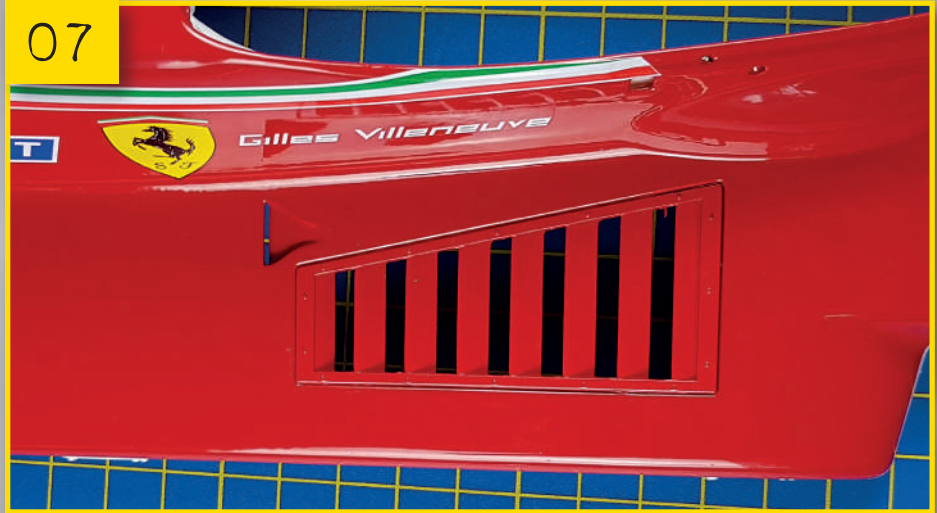
**99-04**  
Align the left and right radiator mesh on the sides of the bodywork as shown. You can see that the right mesh (on the left in the photo, arrow) is smaller than the left one.



**99-05**  
Turn over the larger mesh (left) and note that it has four retaining pins.

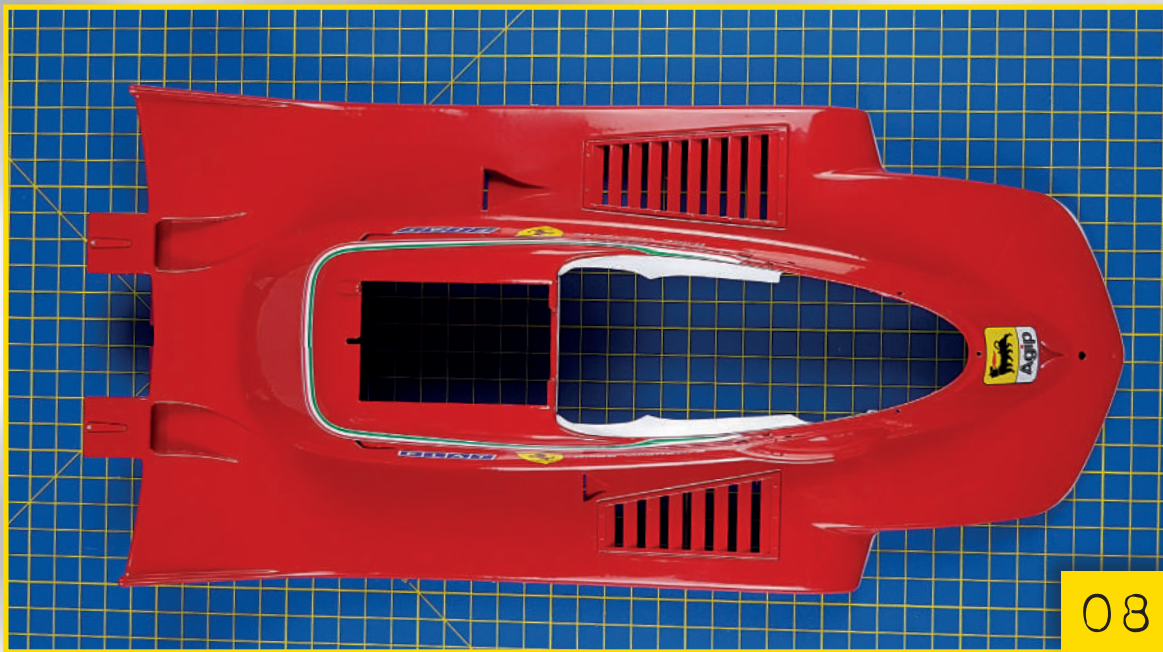


**99-06** Use these pins to fit the left radiator mesh to the bodywork.



**99-07**

In the same way, secure the smaller mesh on the right side to the bodywork.



**99-08**

This is how the bodywork of your model should look after the mesh sections have been fitted.

**In the next stage**

Hooks, decals, and bodywork.



# BODYWORK, HOOKS, AND DECALS

AFTER COMPLETING THE ONE HUNDREDTH STAGE, YOU CAN FIT YOUR 1:8 SCALE MODEL WITH ITS BODYWORK. FOLLOW THE INSTRUCTIONS AND THE ACCOMPANYING IMAGES CAREFULLY.



5 type B screws

## LIST OF PARTS

- 1 Bodywork
- 2 Decals
- 3 Red hooks (x2)
- 4 White hooks (x6)

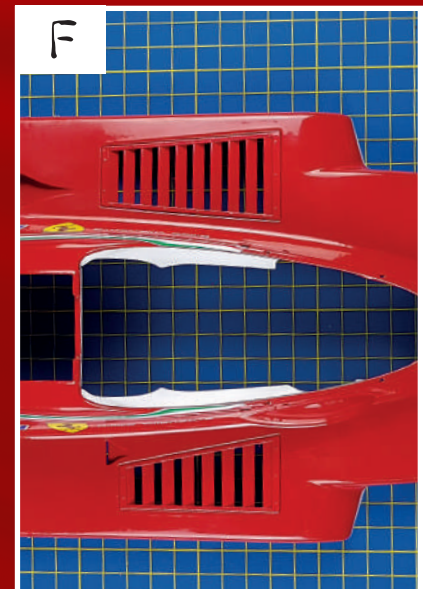
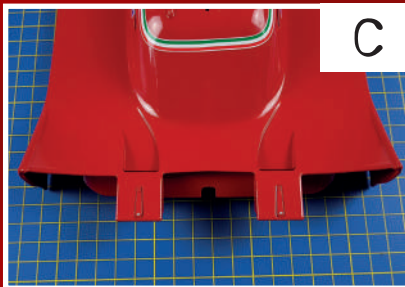
## SCREWS

Five type B screws



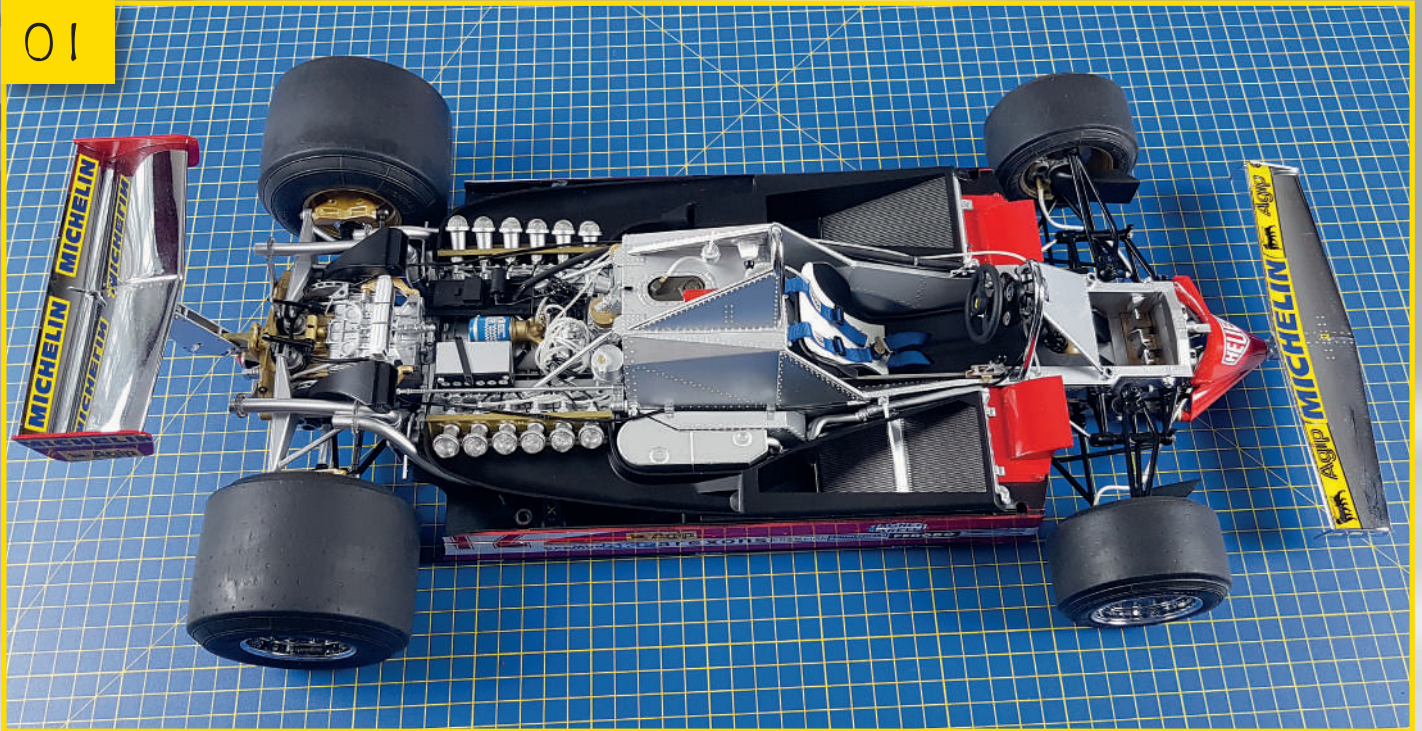
## PREVIOUSLY ASSEMBLED PARTS

This is a short summary for the assembly of the bodywork from the previous stages. The assembly of the inside coverings and rear hooks (A, B and C) was described in stage 98; the assembly session for stage 99 was dedicated to the assembly of the air vents and the six white side hooks (D, E and F).





01

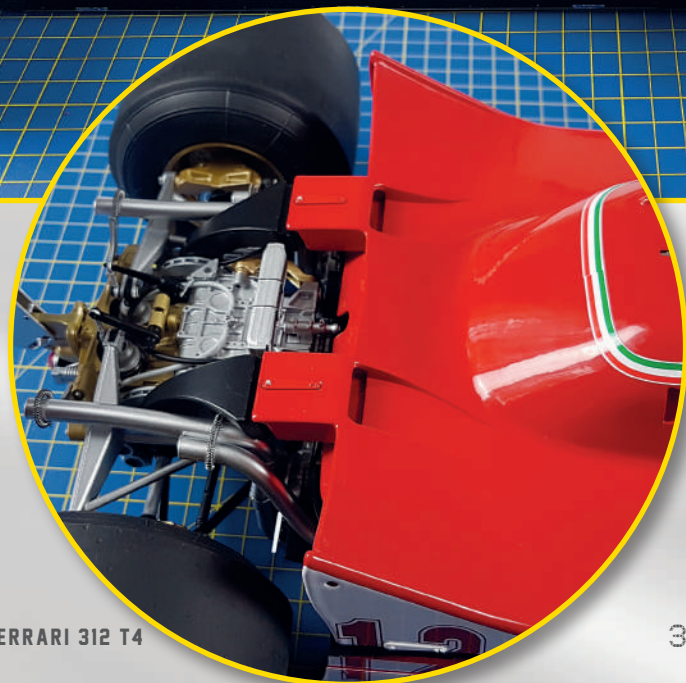


**100-01** Place the model on your work surface.

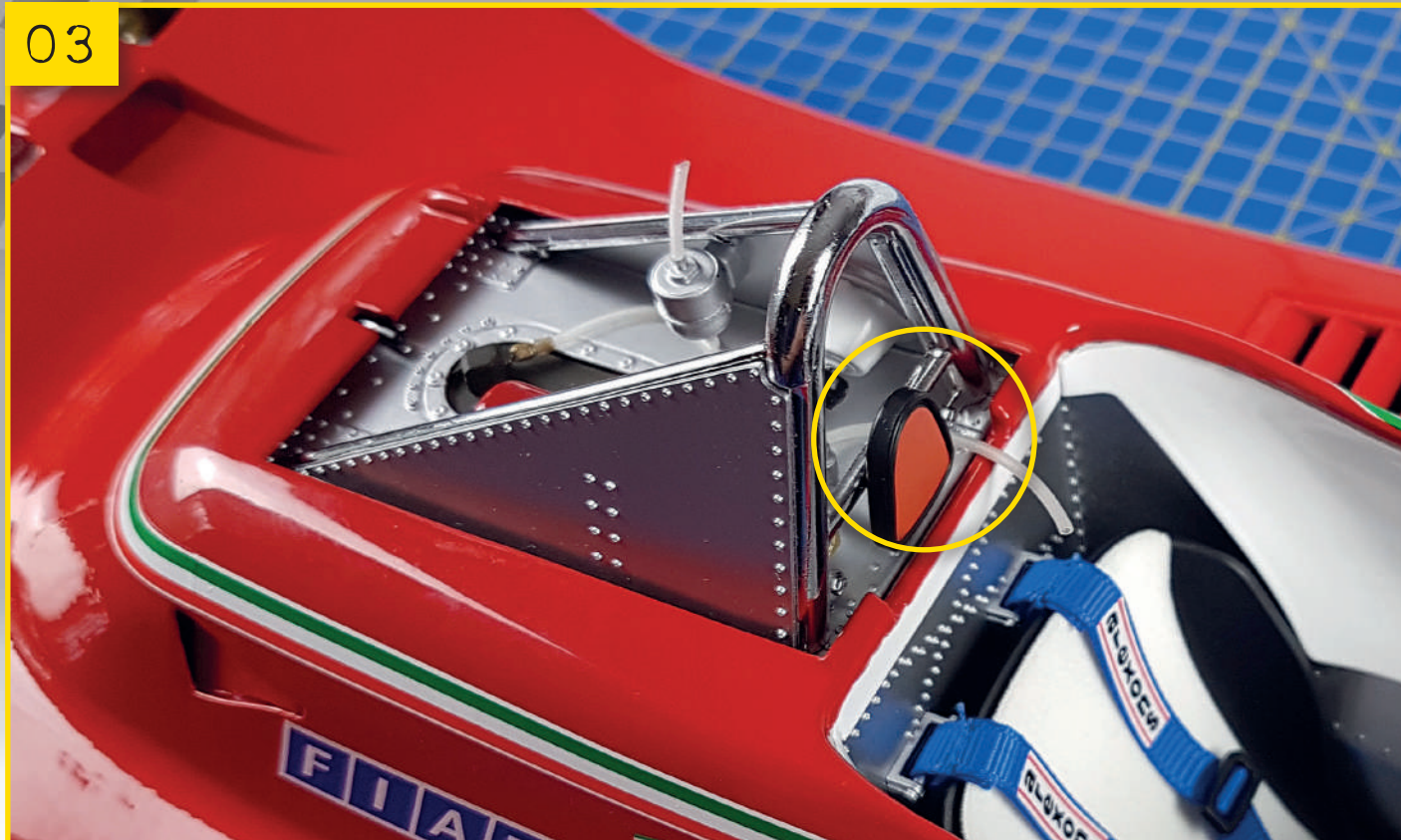


**100-02** Fit the bodywork onto the model. First of all, check the correct coupling with the rear brake ducts.

02

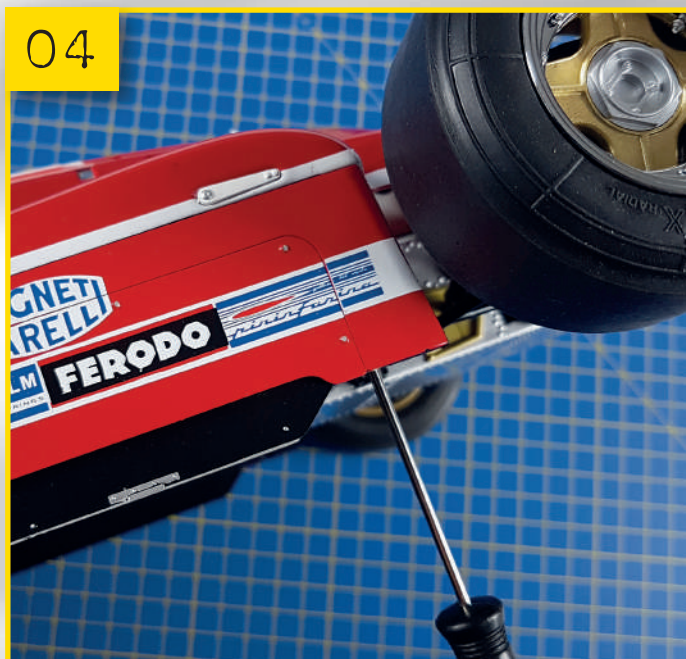


03

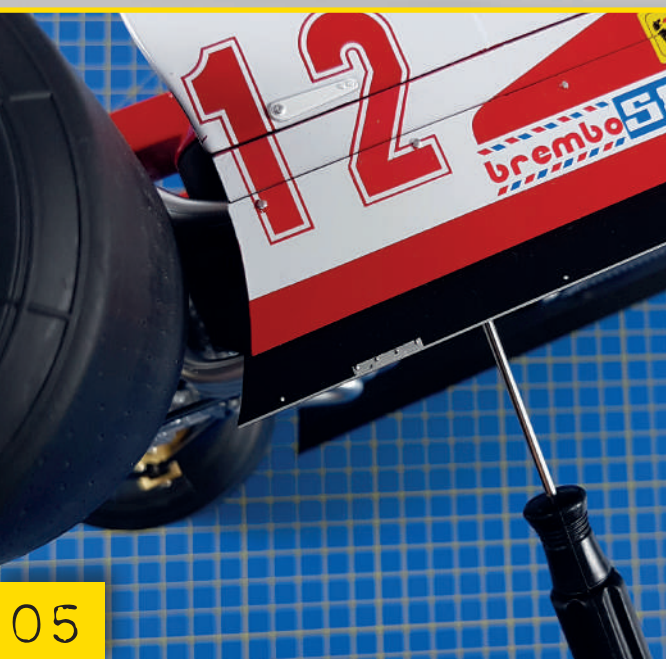


**100-03** Pass the medical air pipe over the horizontal upright. Before proceeding, make sure that the body cover is properly in place around the whole model.

04

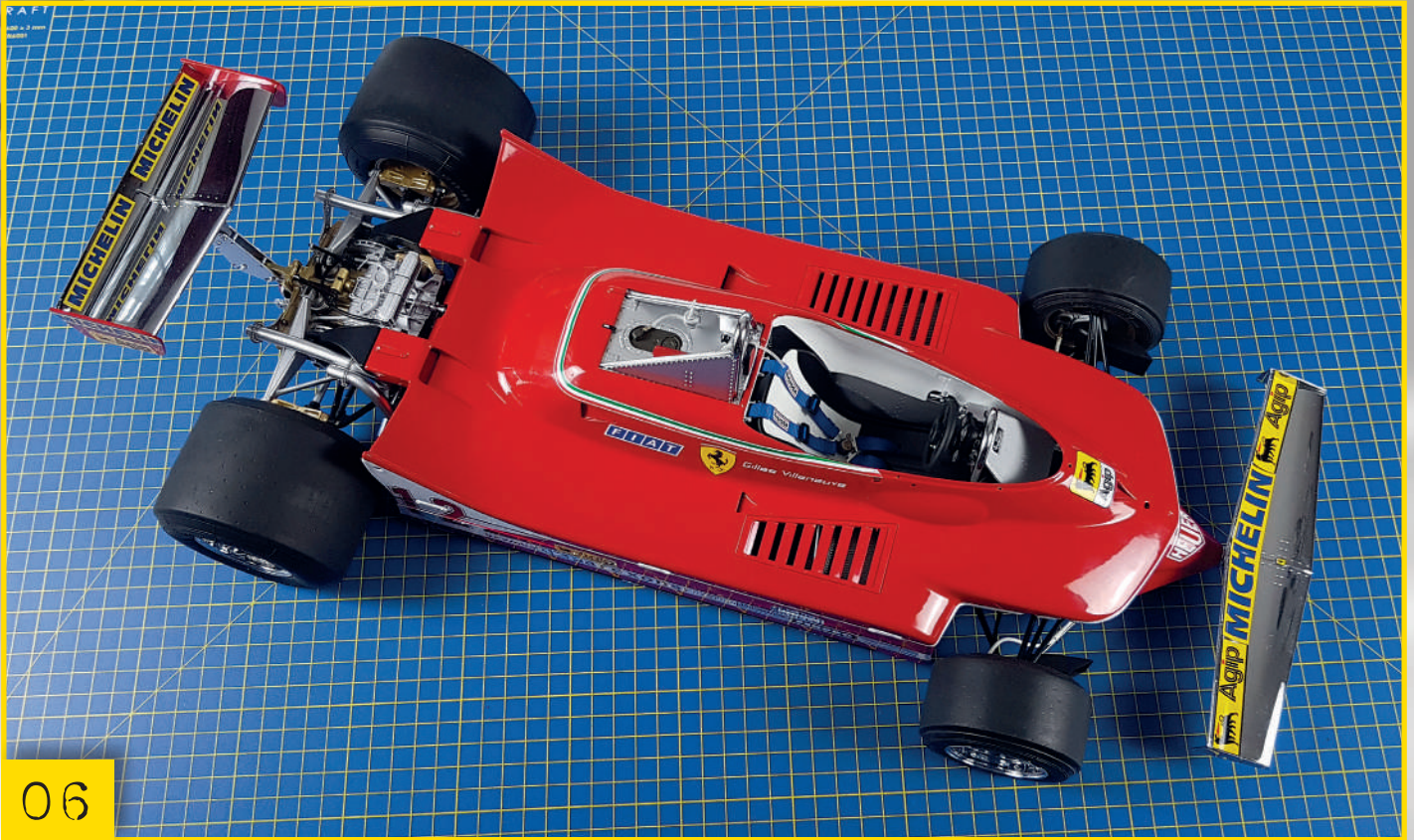


**100-04** Gently rest the model on its left wheels. Use a Phillips screwdriver to drive a type B screw into the front hole of the belly.



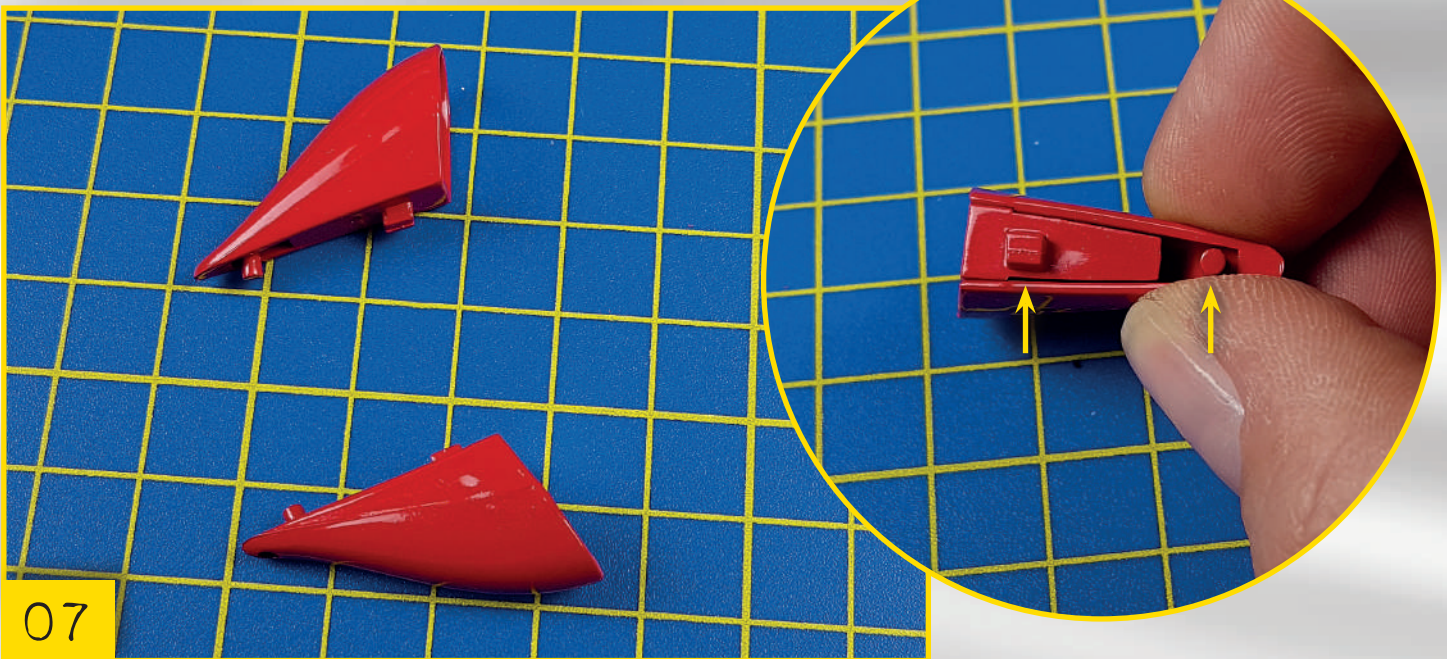
05

**100-05** In the same way, tighten a type B screw into the bottom rear hole of the right belly.



**100-06**

Fix the bodywork on the left side using two type B screws.



**100-07** Take the two mirrors assembled in stages 96 and 97. Each mirror has a cylindrical peg and a square one. This latter peg is not perfectly central, which makes it easier to distinguish the left and right mirrors. The mirror shown in the inset is the right-hand one.

## DIFFERENT RACE NUMBERS FOR EACH GP

MORE INFO

Stage 100 contains the decals with the numbers “1” and “2” of number 12 in the “filled” and “hollow” versions. The choice of which numbers to use is up to you. The vehicle reproduced in this model is the one with the 041 chassis that Gilles Villeneuve drove in the following races in 1979, with different types of number on the nose.



- On **1 July 1979** in Dijon in the **French Grand Prix**, on **12 August 1979** at Österreichring in the **Austrian Grand Prix** and on **26 August 1979** at Zandvoort in the **Dutch Grand Prix**, he raced with the “hollow” version, both on the left and right sides.

- He raced with the “hollow” number on the right side only on the **29 July 1979** at Hockenheim in the **German Grand Prix**, on **30 September 1979** in Montréal in the **Canadian Grand Prix** and the following week on

**7 October 1979**, at Watkins Glenn in the **Unites States Grand Prix**.



The car used to make this model is a restoration of the official car, which is now in the Ferrari museum in Maranello. The cars that actually raced have two “filled” numbers.

08



**100-08**  
Identify the square and the round holes for securing the mirrors on the bodywork.



09

**100-09**  
Press the mirrors onto the bodywork to secure them.



10

**100-10**  
Carefully fit the windscreen glass, inserting the five assembly pegs into the holes in the bodywork.





### FINAL RESULT

Now your 1:8 scale Ferrari 312-T4 has its bodywork. For the race numbers applied to the nose, we have opted for the “hollow-hollow” configuration.

### In the next stage

Front left rain tyre.



# THE FIRST RAIN TYRE

THIS STAGE INCLUDES THE FIRST RAIN TYRE, WHICH YOU WILL PLACE ON THE FRONT LEFT SIDE. AN ARROW ON THE SIDE OF THE TYRE SHOWS THE ROTATION DIRECTION TO DISTINGUISH IT AS A LEFT TYRE.

FOLLOW THESE INSTRUCTIONS IF YOU WISH TO CHANGE THE TYRES ON YOUR MODEL.

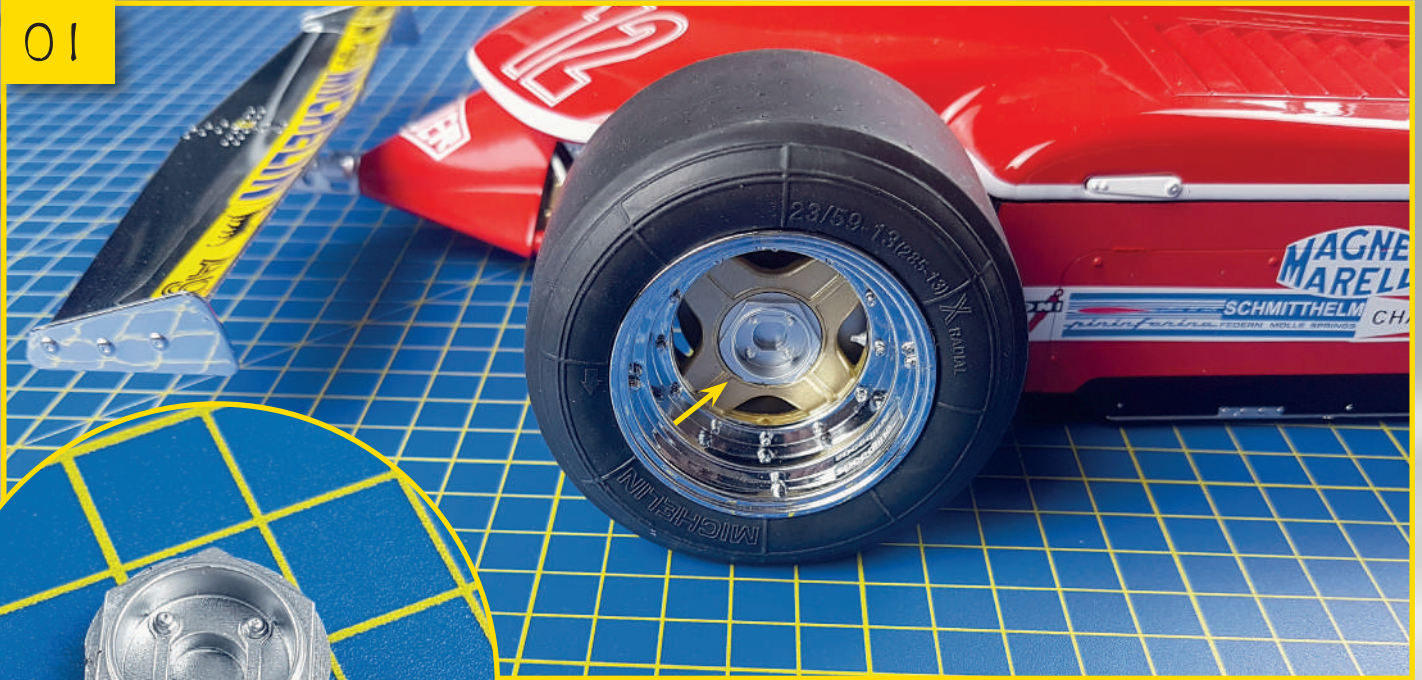


## LIST OF PARTS

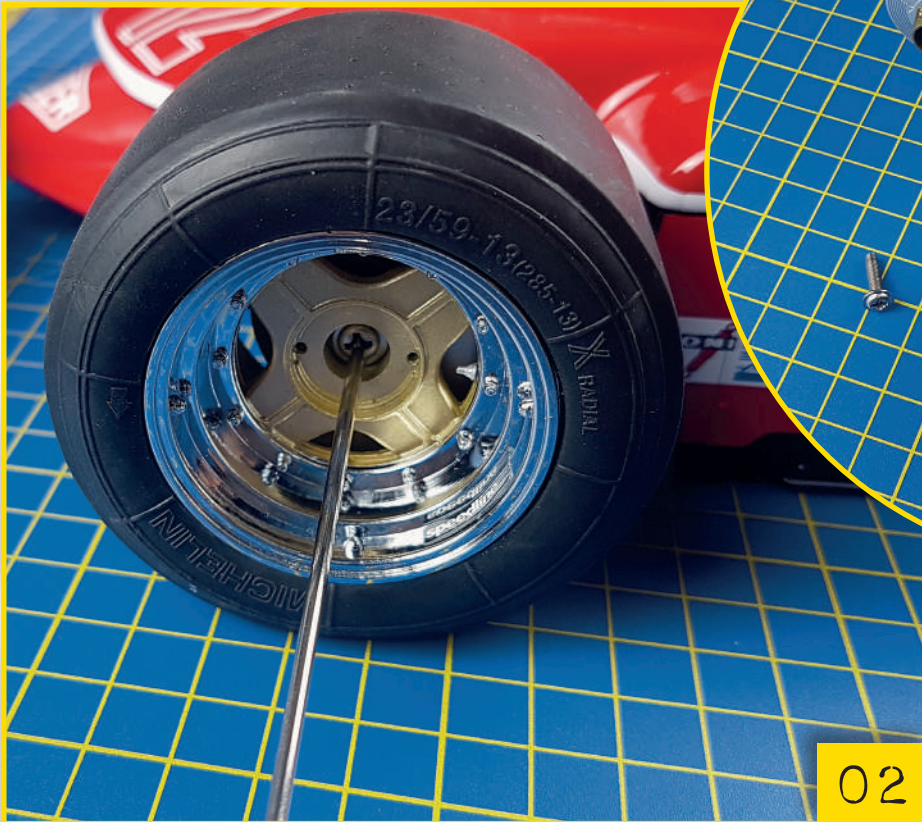
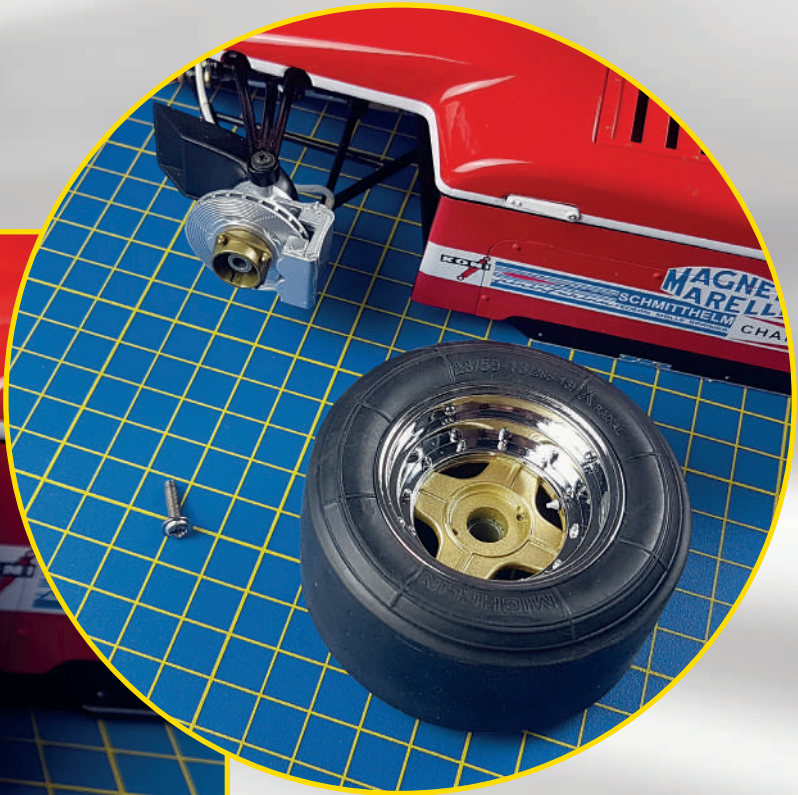
- I Rain tyre with filling



01



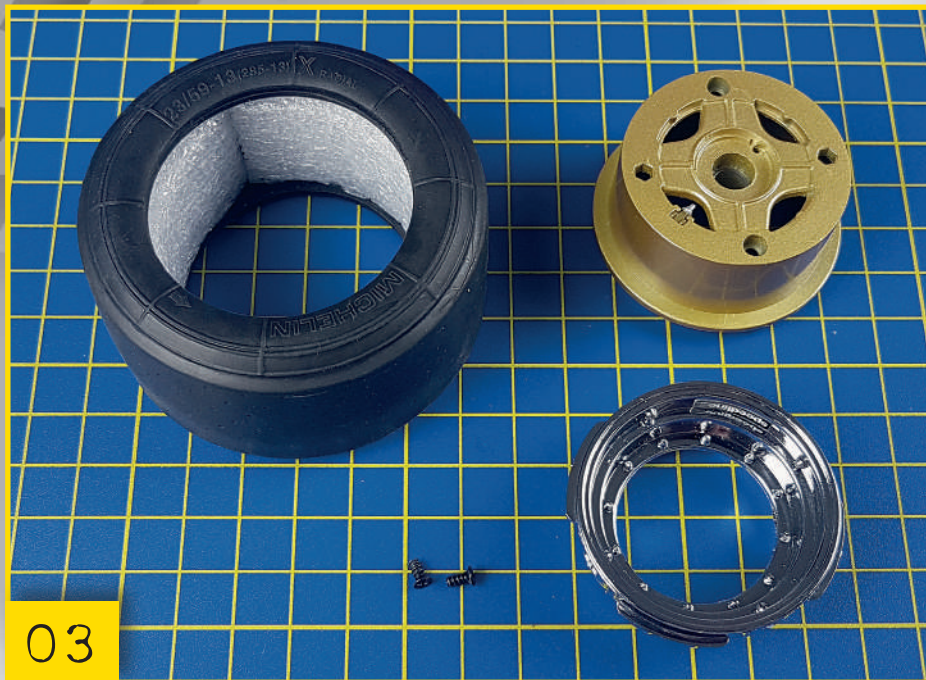
**101-01** Place the model on your work surface and remove the hubcap from the left front wheel.



02

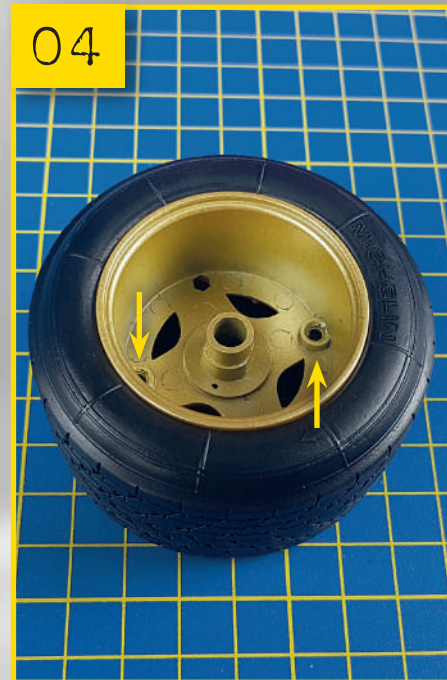
**101-02** Use a Phillips screwdriver to remove the screw fastening the wheel, then remove the wheel. Keep the screw safe.





03

**101-03** Separate the rim and the security ring from the slick tyre. You will need to loosen and remove the two small coupling screws and keep them safe.



04

**101-04** Press the rain tyre onto the rim.



05

**101-05** Then refit the safety ring and secure it to the rim with the two screws in the holes shown in step 4.



06

**101-06** Now all you have to do now is refit the left front wheel to the model. Secure it with the screw you removed previously.



#### FINAL RESULT

You have replaced the left front slick tyre with a new rain tyre.

#### In the next stage

The second front rain tyre.



# THE SECOND RAIN TYRE

THIS STAGE INCLUDES THE SECOND FRONT RAIN TYRE, FOR THE RIGHT-HAND SIDE.



## LIST OF PARTS

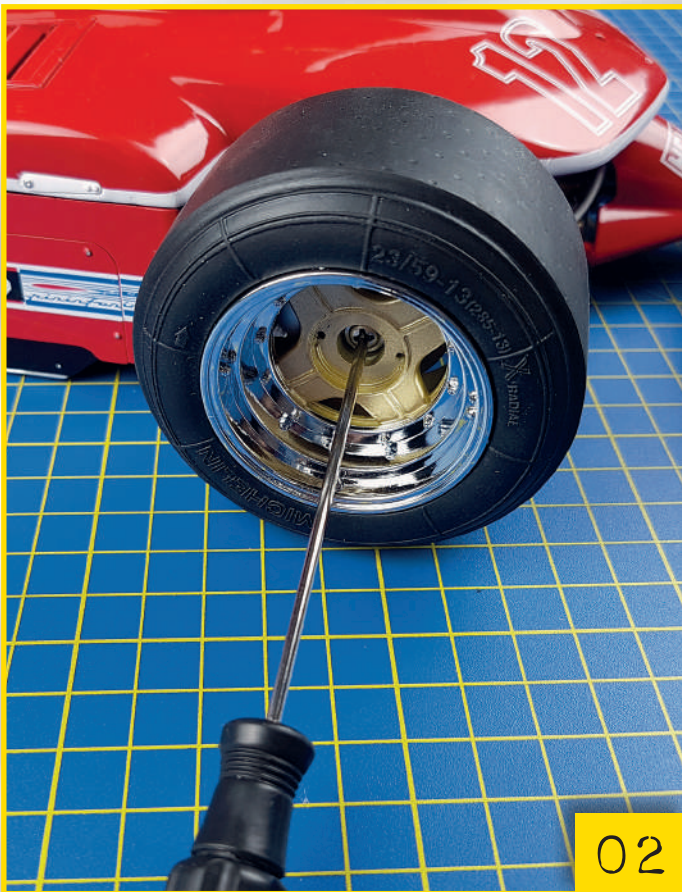
- 1 Rain tyre with filling





01

**102-01** Place the model on your work surface to give easy access for working on the right side of the front. Remove the right front hubcap.



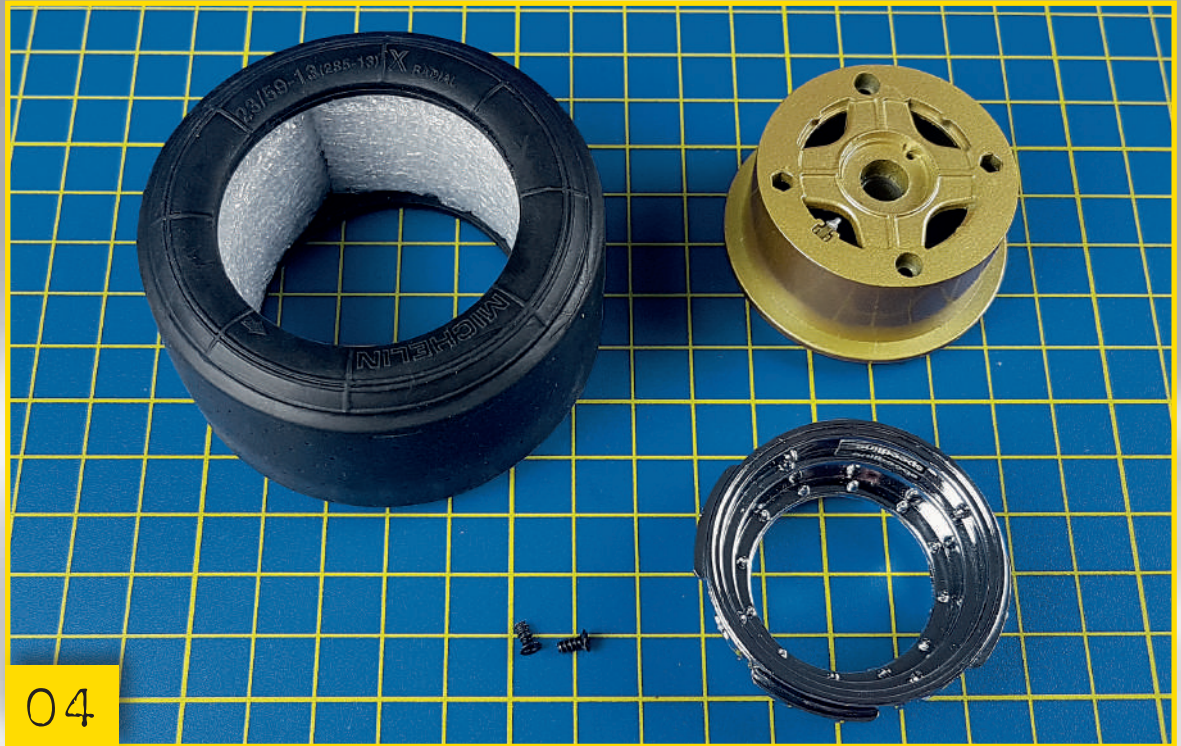
02

**102-02**  
Then, using a screwdriver, remove the screw that keeps the wheel secured to the model.



03

**102-03**  
Keep the screw to one side and remove the wheel from the model.



**102-04**

Take out the two screws inside the rim and separate the wheel parts.

04

**102-05** Press the rain tyre onto the rim and then join the security ring. To fix the parts together, refit and tighten the two screws removed in the previous stage.



05



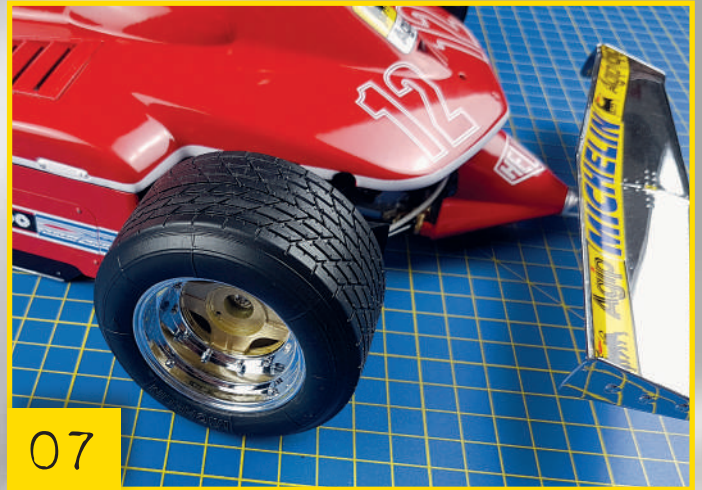
06

**102-06** Refit the right front wheel in place.



### 102-07

Secure the wheel with the screw removed at the start of the stage.



### FINAL RESULT

Your model now has two rain tyres on the front.

### In the next stage

Parts for the rear wing (rain version) with central divider

