



FERRARI

312 T4

THE LEGENDARY 1970s F1 FERRARI

PACK **12**

STAGES 103-112



SCALE
1:8

AGORA
MODELS®



FERRARI

312 T4

SCALE
1:8

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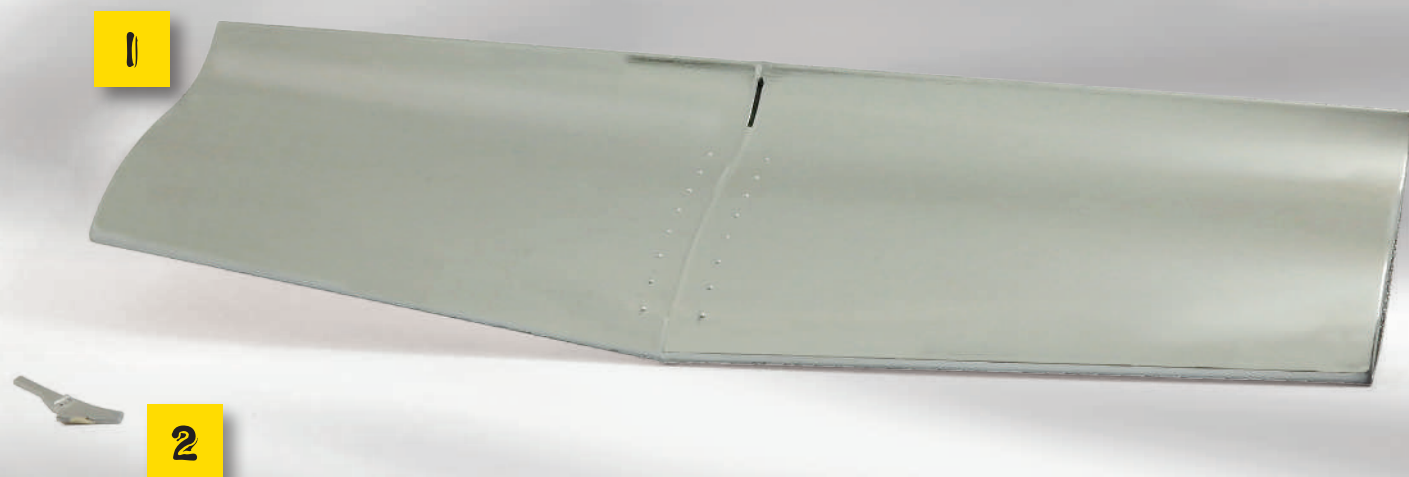
AGORA
MODELS

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REAR WING (MONACO AND LONG BEACH VERSION)

STAGE 103 INCLUDES THE REAR WING USED FOR THE GRANDS PRIX AT LONG BEACH AND MONACO. COMPARED TO THE STANDARD REAR WING FOR THE FERRARI 312 T4, THIS ONE IS LARGER AND THE ANGLE OF ITS PROFILE IS LESS ACCENTUATED.



LIST OF PARTS

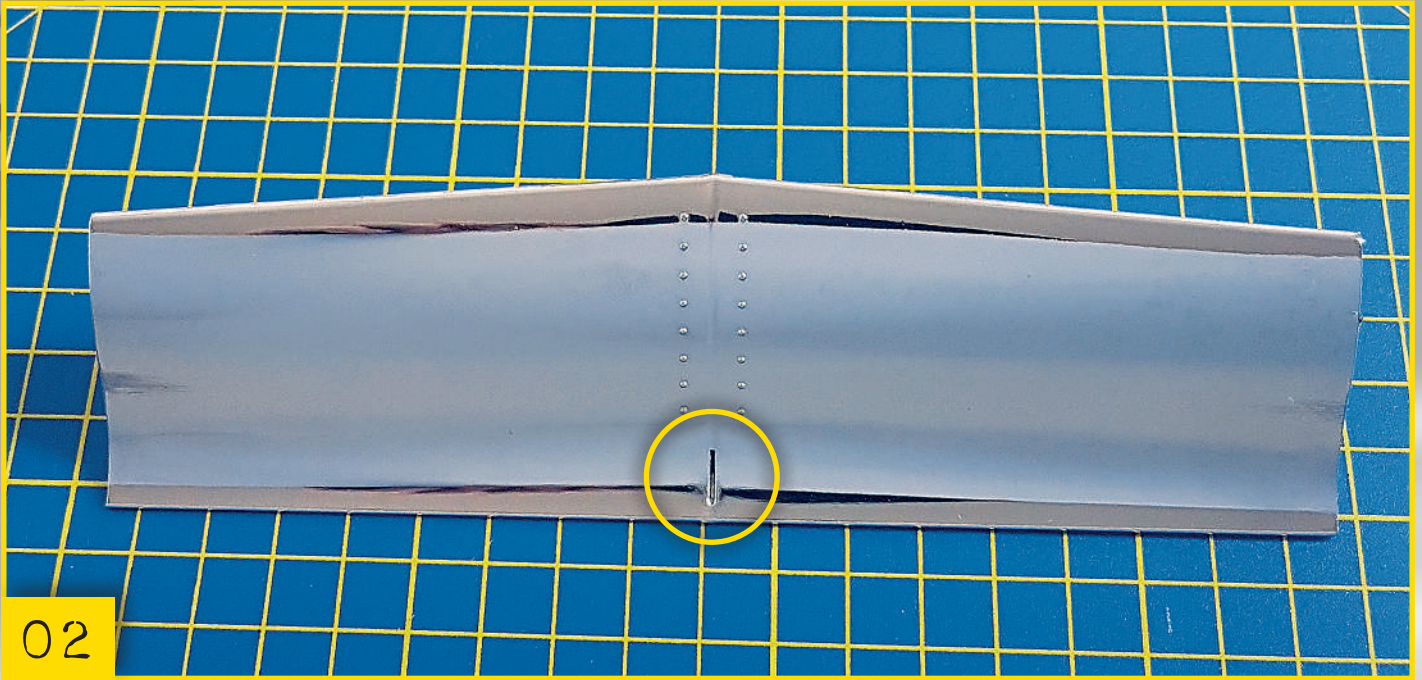
- 1 Rear wing
- 2 Central upright



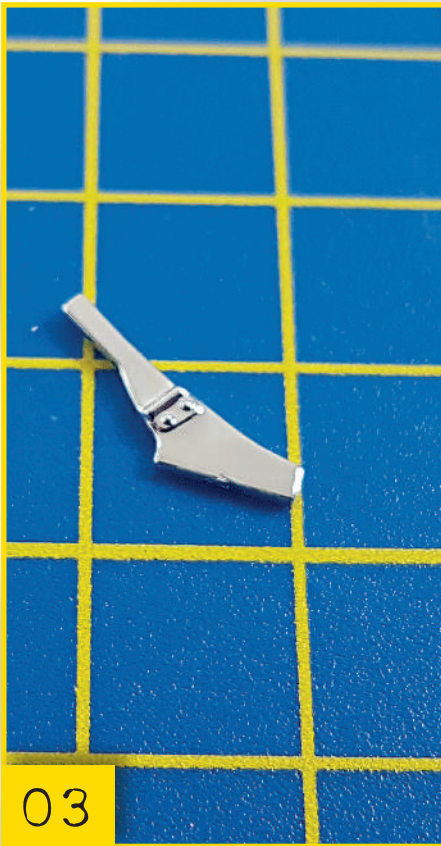


01

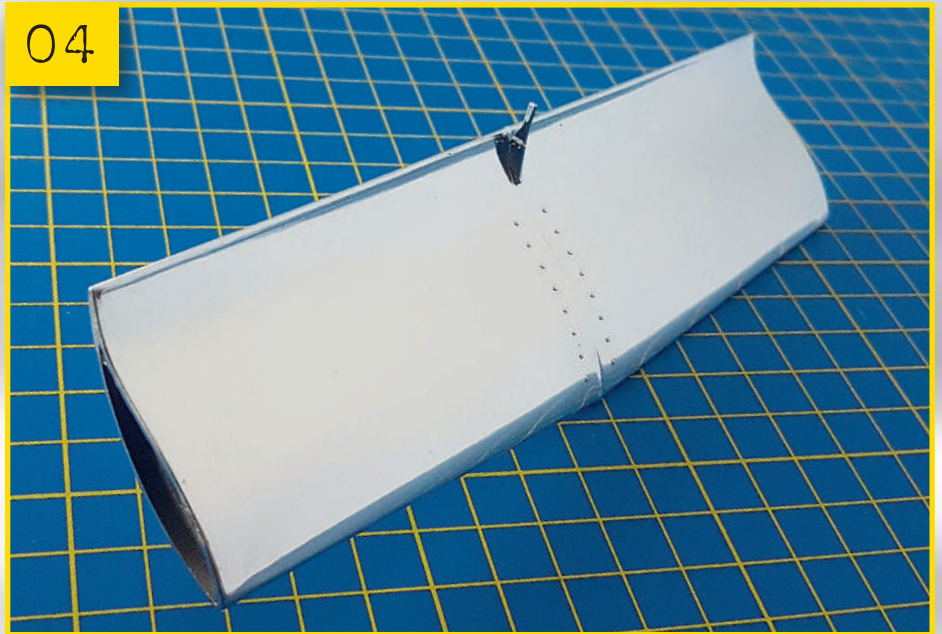
103-01 At this point, your model is fitted with a standard rear wing. Over the next few stages, you can replace this with the special version fitted to the Ferrari 312-T4 during practice laps in Monaco and Long Beach.



103-02 Identify the slot highlighted in the image, where the upright is fitted.



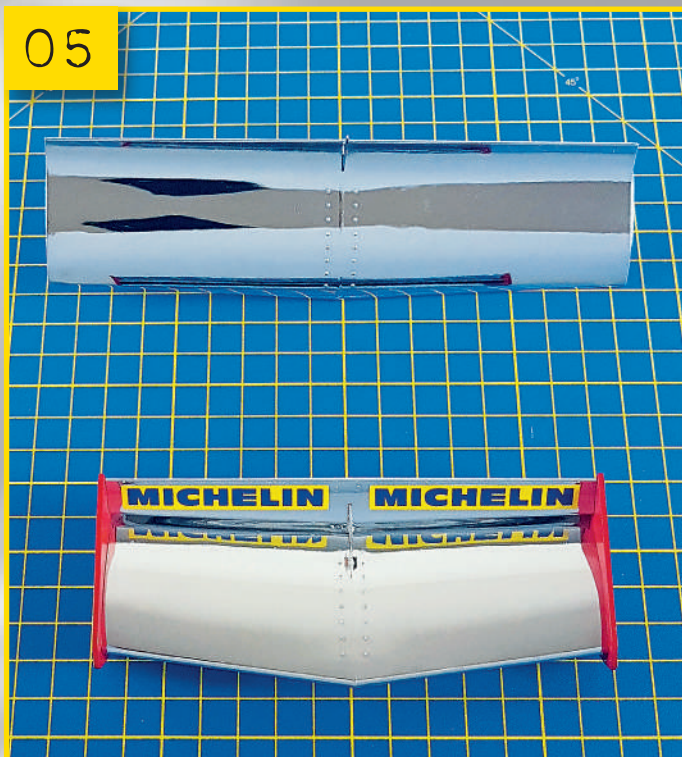
103-03
Take the upright, which has a flat side with an angle of approx. 90°



103-04 Place the central upright in the slot highlighted in step 02. Do not use any glue at this point, as the assembly is temporary. Make sure that the base of the upright is inserted all the way into its seat. If the part does not enter all the way, try enlarging the slot slightly with the tip of a modelling knife.



103-05 This photo highlights the difference between the two wings in terms of size. The new part is noticeably larger.



FINAL RESULT

Carefully place the assembly to one side until it is time to secure it to the model.

In the next stage

The rear wing upper profile and bulkheads.



NEW WING UPPER PROFILE AND BULKHEADS

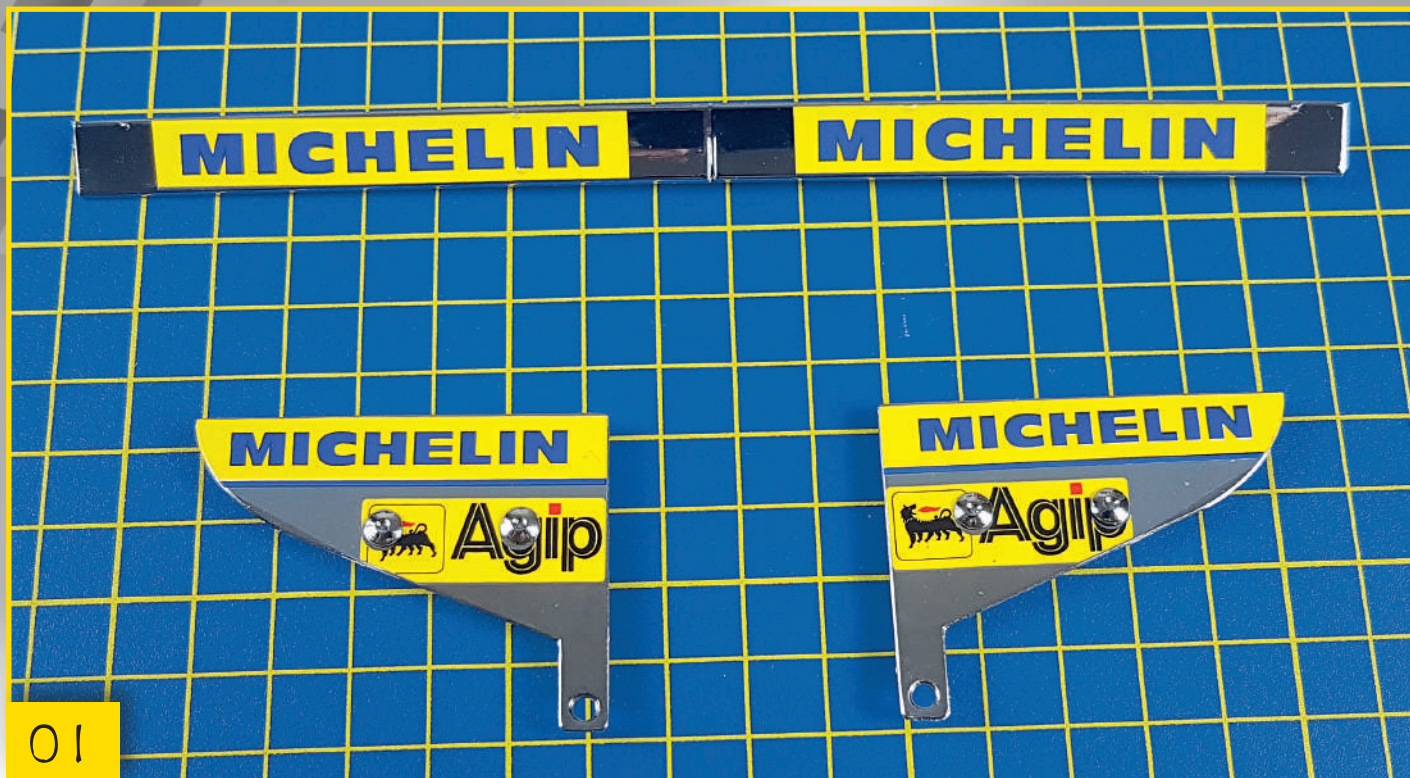
USE THESE ACCESSORIES TO COMPLETE ASSEMBLY OF THE NEW REAR WING.



LIST OF PARTS

- 1 Upper profile
- 2 Right bulkhead
- 3 Left bulkhead





104-01 Set out the parts provided in this stage on your work surface. Distinguish the right bulkhead (on the left in the picture) from the left one.

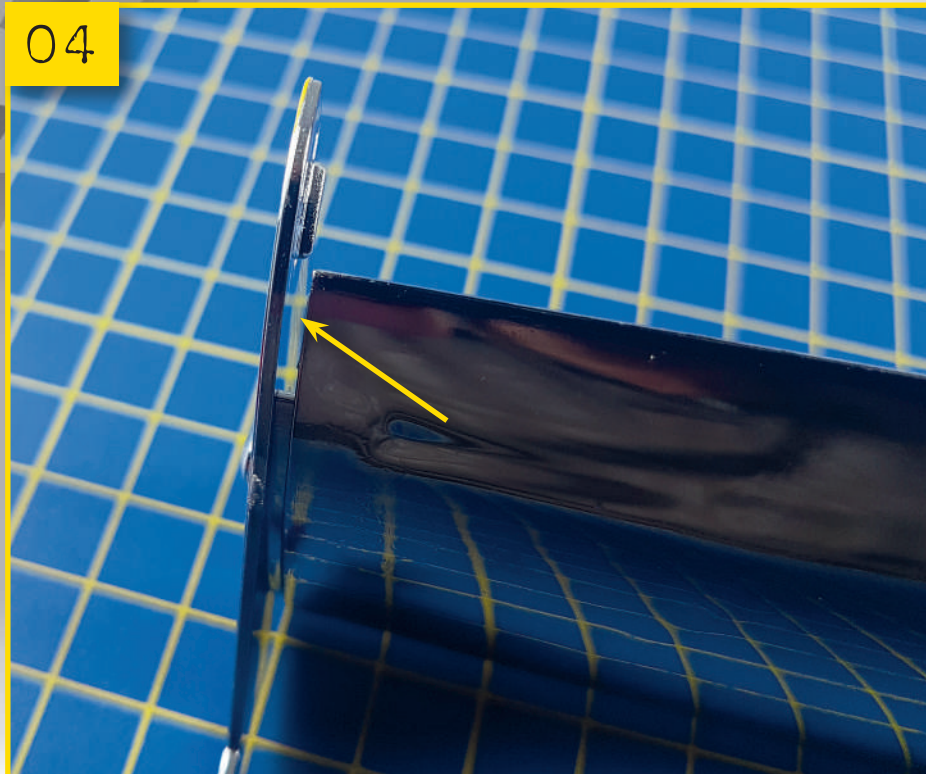


104-02 Join the right bulkhead to the wing. No glue is needed as the part presses into place.



104-03 Now take the left bulkhead

04

**104-04**

Partly press the bulkhead onto the wing, leaving a gap of about 1 mm. This helps when inserting the upper profile.

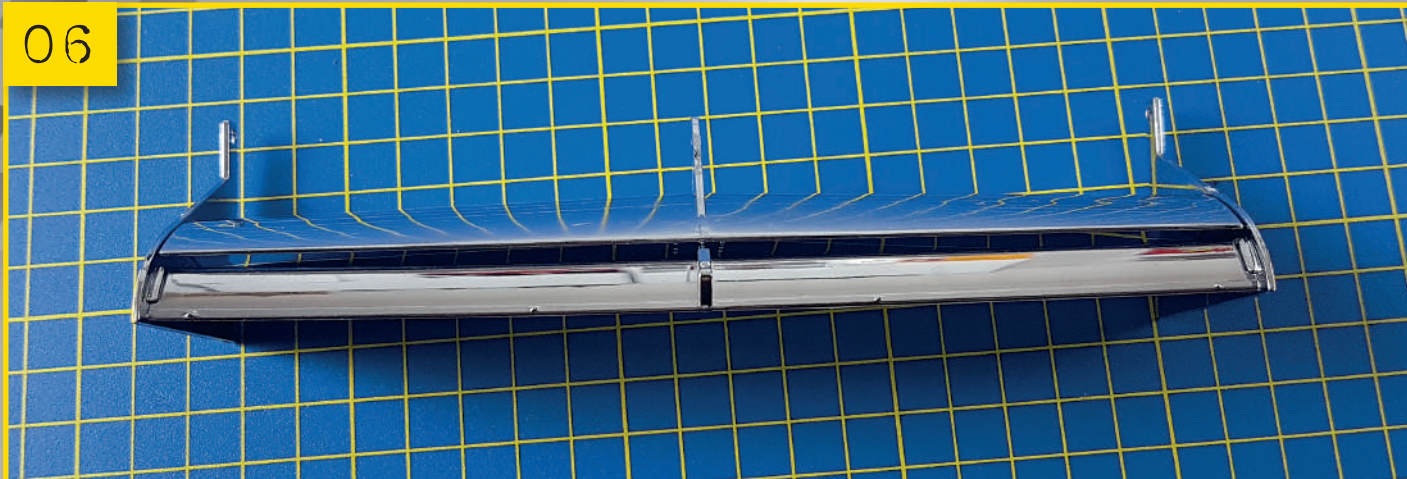


05

104-05 Insert the upper profile from the back of the wing. You can gently bend the profile, if necessary, to bring it to the front of the supports on the bulkheads, but behind the central upright. If the central upright does not block the profile, remove the upper profile and glue the upright into place with the two-component adhesive. Once the adhesive is perfectly dry, you can fit the upper profile.



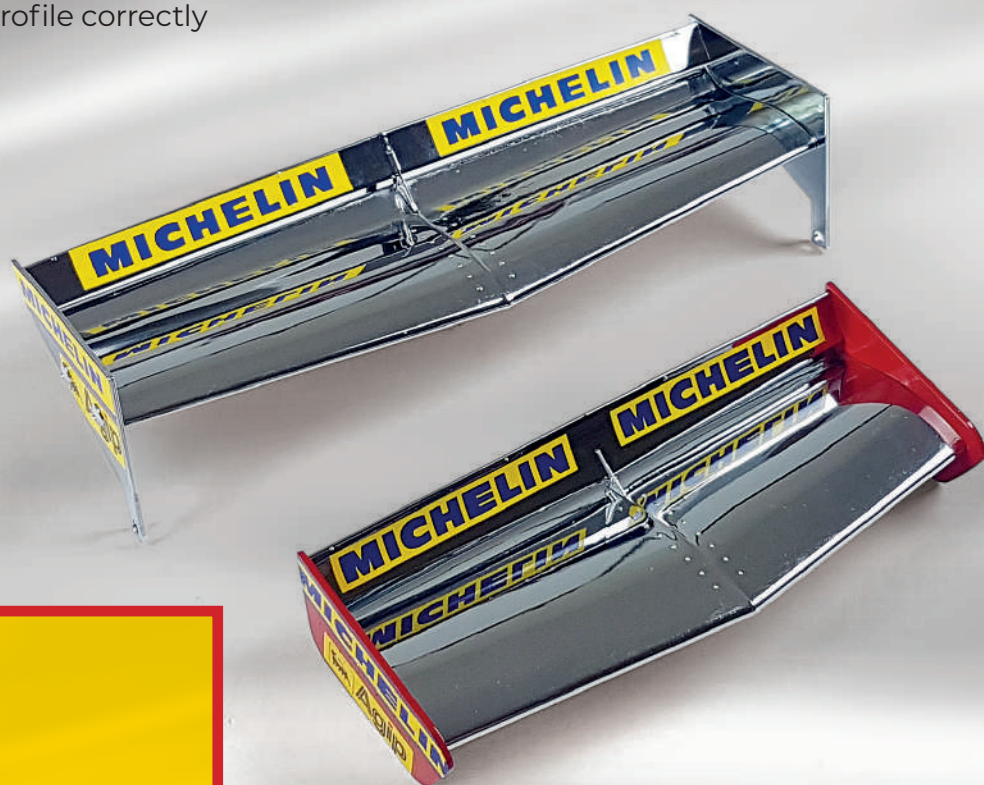
06



104-06 This is how the wing looks from behind with the bulkheads and upper profile correctly fitted together.

FINAL RESULT

You can compare the new rear wing (above) with the one previously fitted to your model.



In the next stage

The support frame for the rear wing.



REAR WING SUPPORT STRUCTURE

THIS STAGE CONTAINS ELEMENTS THAT CREATE THE SUPPORT STRUCTURE FOR THE REAR WING.



LIST OF PARTS

- 1 Lower triangle
- 2 Side tie-rod
- 3 Vertical tie-rod
- 4 Side tie-rod

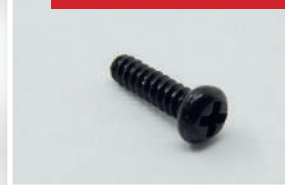
SCREWS

Three type R screws
Three type S screws
Two type T screws

3 type R screws



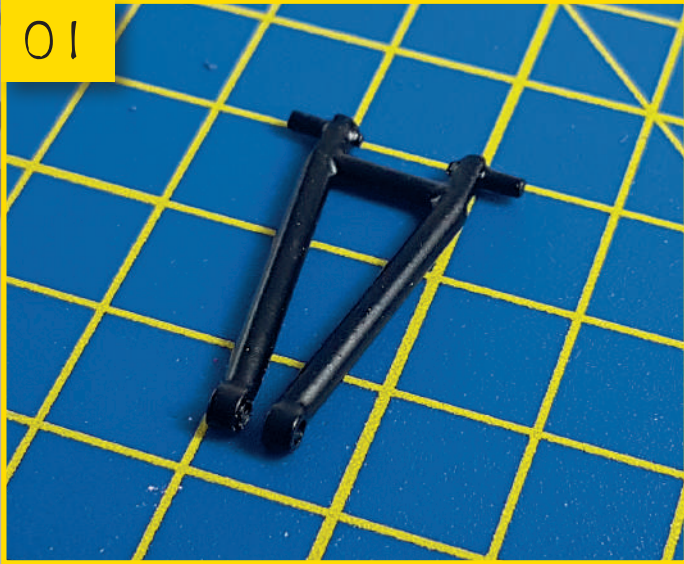
3 type S screws



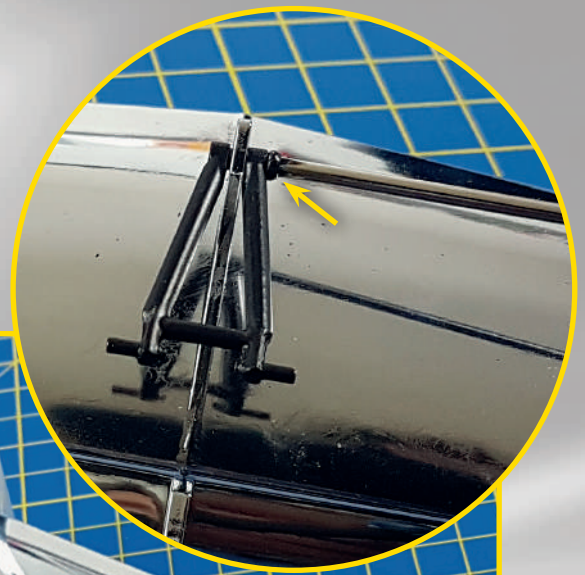
2 type T screws



01



105-01
Take the bottom triangle.



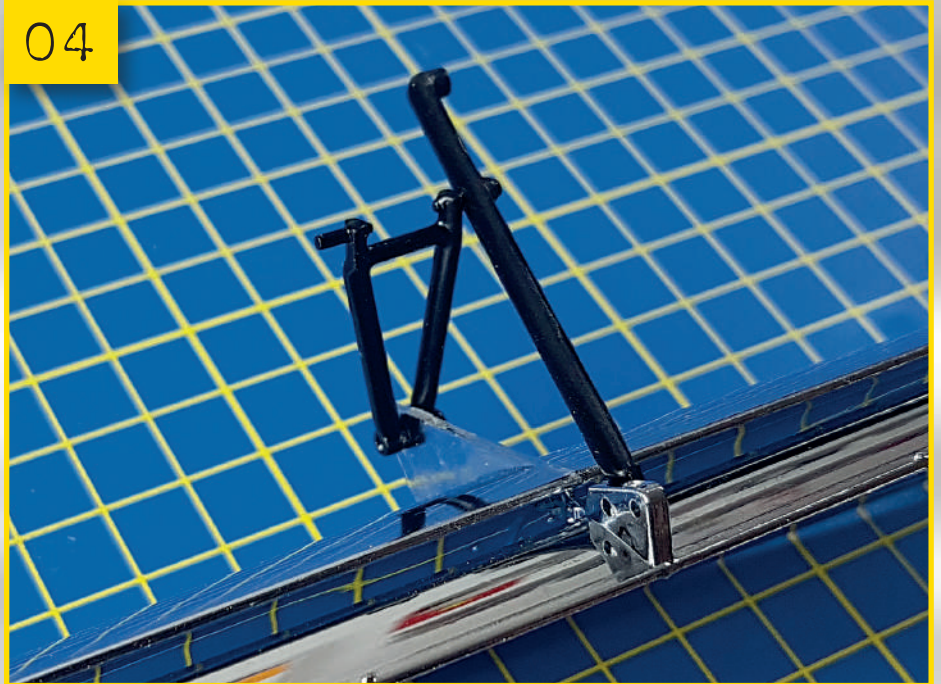
105-02
Turn the rear wing upside down and position the triangle so it is facing the same way as in the image. With a type T screw, fasten the two components together.

03

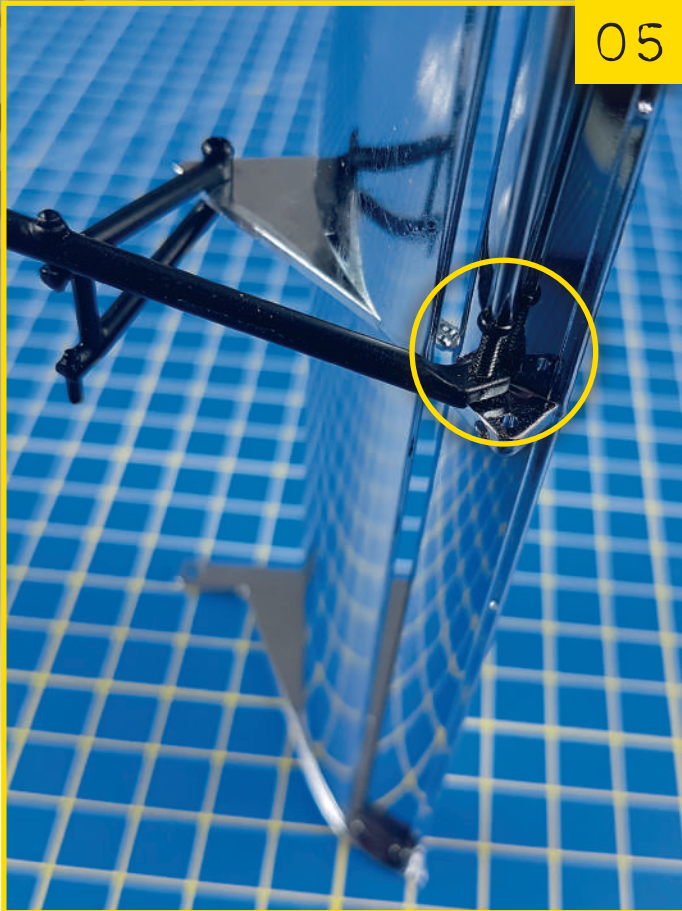


105-03
Take the side tie-rod with a flat end (the other tie-rod has a circular protrusion).

04

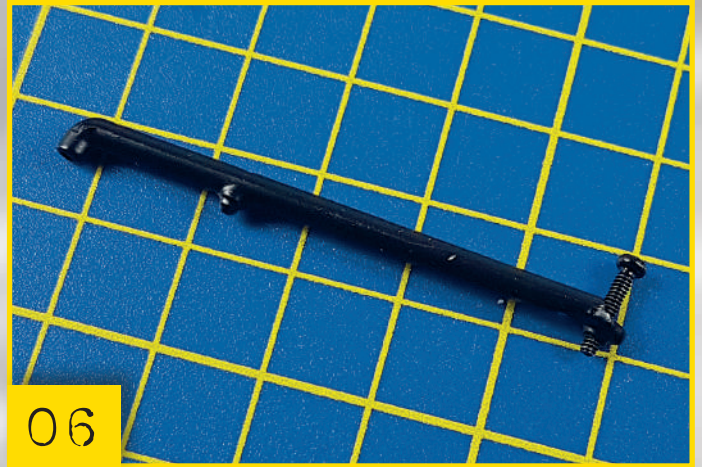


105-04
Fit the side tie-rod, inserting the triangle pin into the relevant hole. Rest the flat end of the tie-rod on the support of the upper profile.



105-05

Insert and partially tighten a type R screw into the tie-rod, until it reaches the edge of the support on the upper profile, going through the innermost hole as shown in the image.



105-06

Take the other side tie-rod.

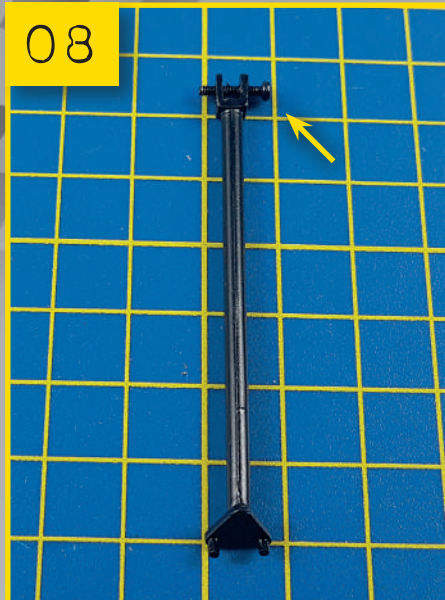


105-07

Install the second tie-rod following the same steps as for the first. Now you can tighten the fastening screw fully, so that the three parts are joined together.

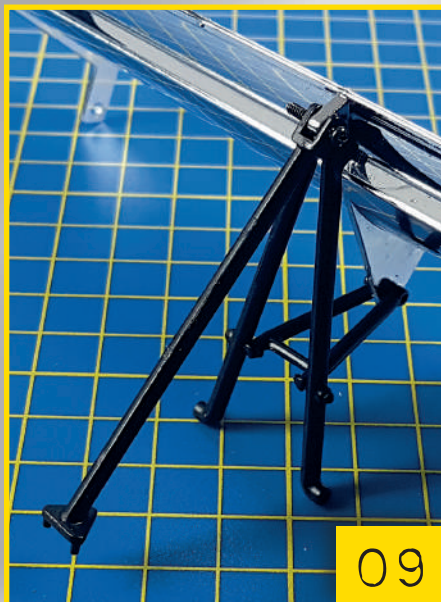


08



105-08 Take the vertical tie-rod and pre-fit a type R screw in the U-shaped plate.

09



105-09

Remove the screw, position the vertical tie-rod so that the triangular plate is facing the inside of the wing. At this point, tighten the screw, but not excessively: the tie-rod needs a little clearance in order to be able to move.



FINAL RESULT

Now the wing is fitted with a support frame.

In the next stage

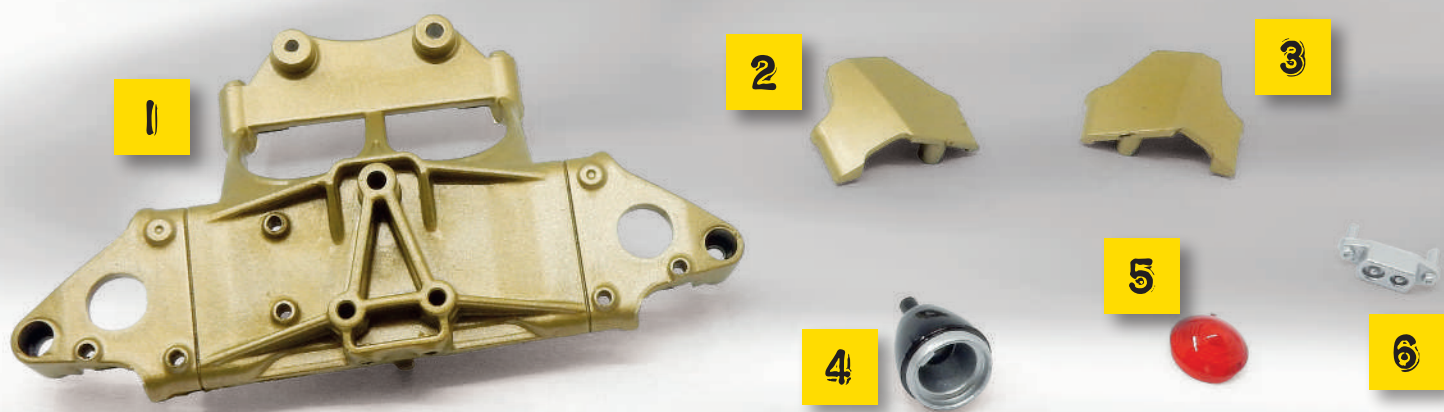
The tail light, the support for the rear suspension, and the additional plate for the transmission.



REAR SUSPENSION SUPPORT AND OTHER DETAILS

106

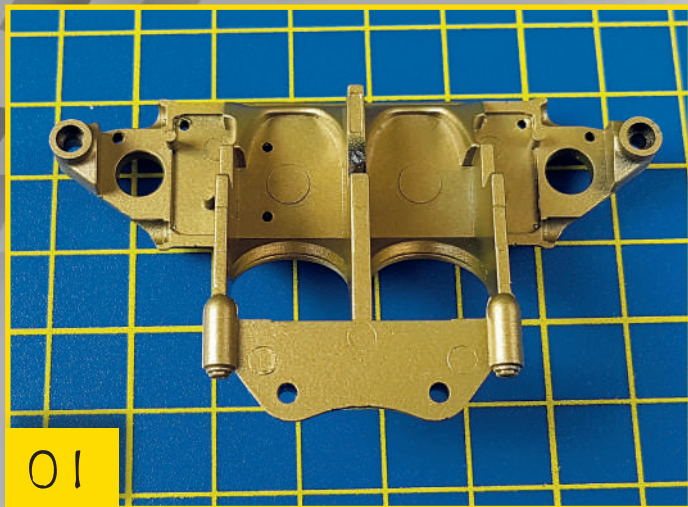
THIS STAGE IS THE ASSEMBLY OF A NEW SUPPORT FOR THE REAR SUSPENSION.



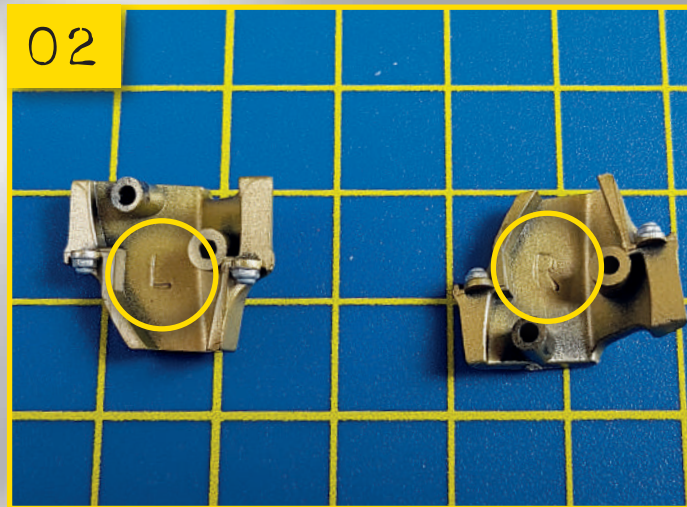
LIST OF PARTS

- 1 Rear suspension support
- 2 Left inner reinforcement
- 3 Right inner reinforcement
- 4 Tail light body
- 5 Tail light glass
- 6 Battery connector

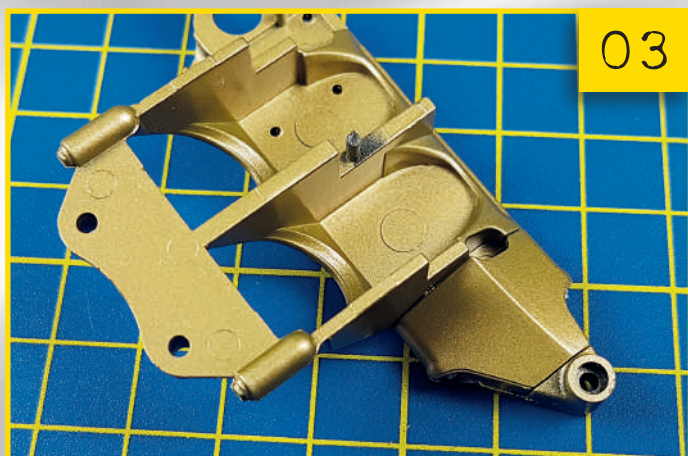




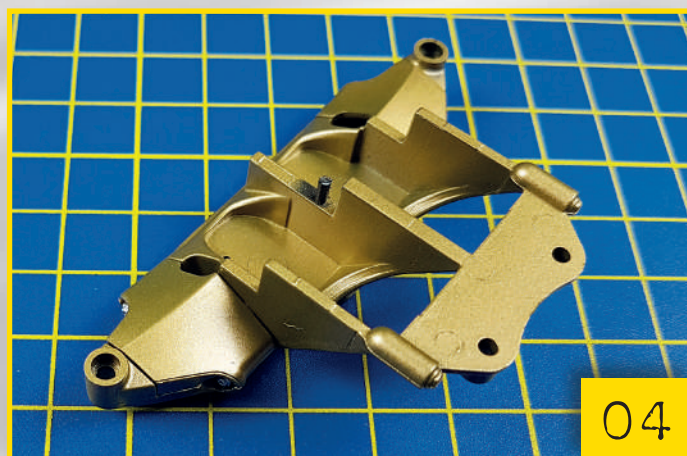
106-01 Take the support for the rear suspension and lay it out on your work surface with the inner part facing upwards.



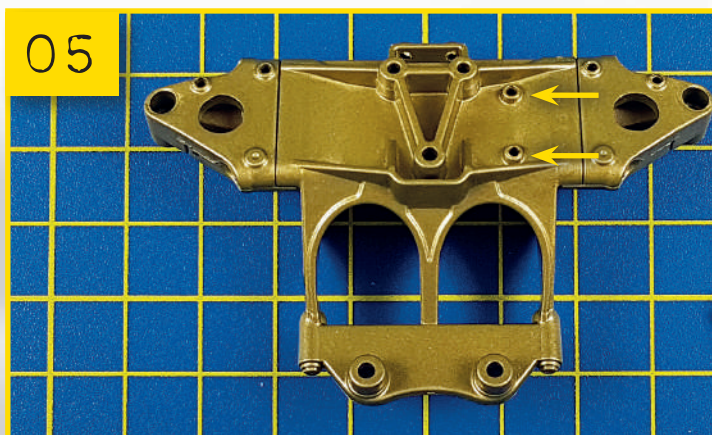
106-02 Inside each reinforcement is a letter to indicate their position ("L", "left", and "R", "right").



106-03 Press the component marked with the letter "L" onto the side of the suspension support, as shown in the image.



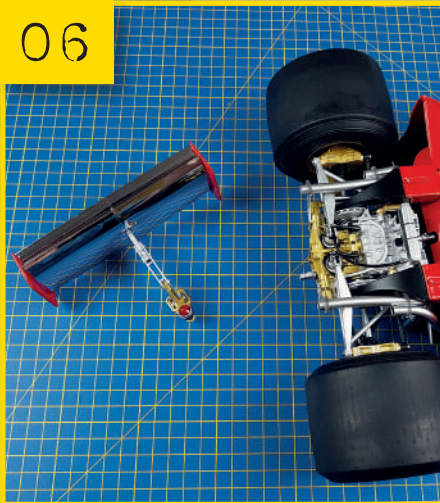
106-04 Install the internal reinforcement marked with the letter "R" on the opposite side.



106-05 Take the battery connector, which has two fastening pins. Press the part into the two holes on the right side of the central triangle of the suspension support.



06

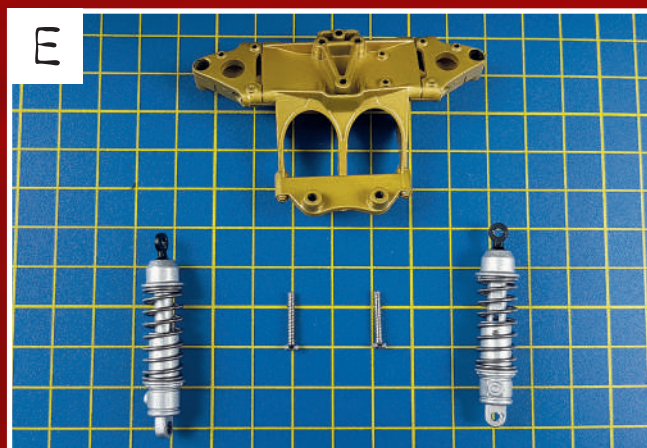
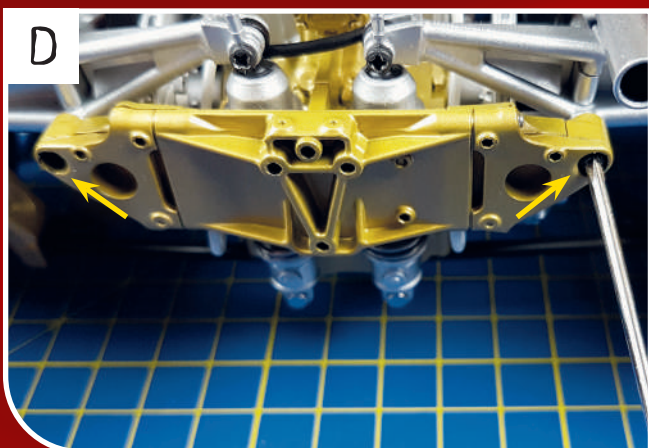
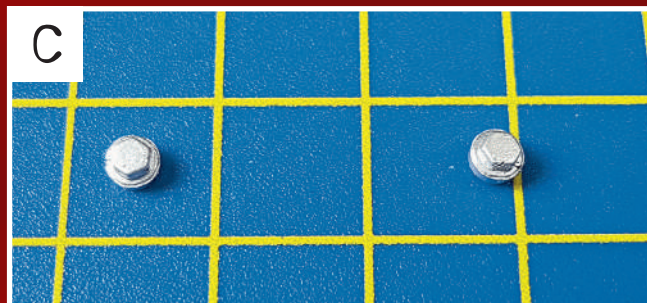
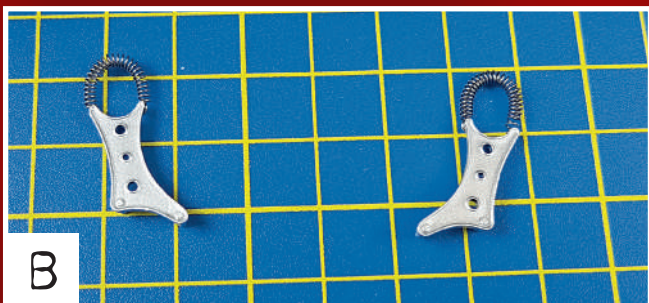
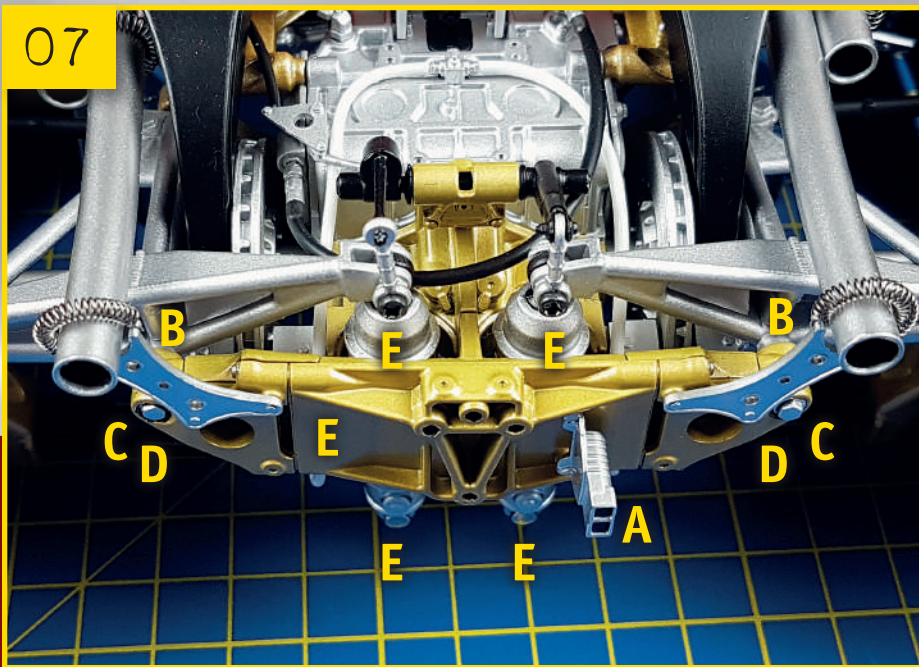


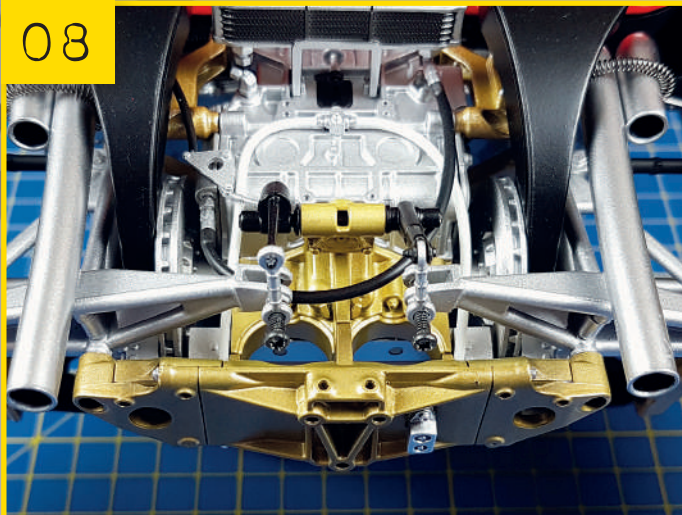
106-06 Place your model on the work surface and gently remove the rear wing assembly with its support and tail light.

106-07

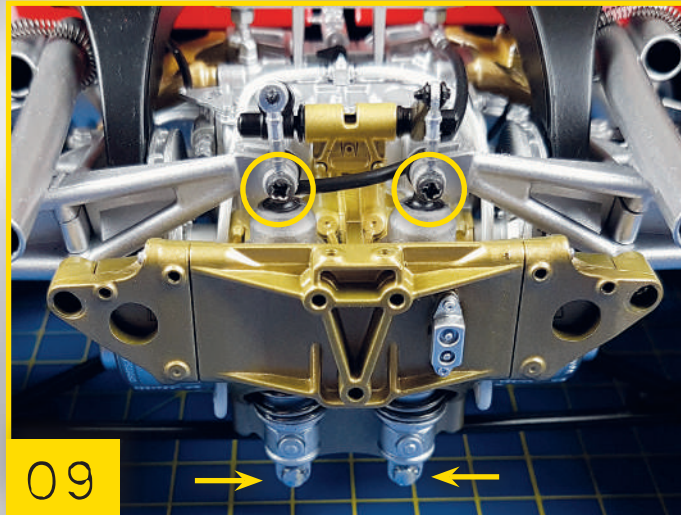
Identify all the parts to be removed from the back of the model:
 A) battery connector;
 B) rear supports for exhaust pipes, with springs;
 C) suspension support screw magnetic fastenings;
 D) both support screws from the suspensions;
 E) bottom shock absorber screws (remove with the wrench supplied), shock absorbers, and suspension supports.

07





106-08 Now press the new suspension support into place. Important: the wishbone suspensions must be centred in their relevant holes and the screws removed previously must be returned to their places and tightened.



106-09 Refit the shock absorbers and secure them with the screws in the lower part (also centring the lower wishbone arms) and in the upper part (with the joints for the torsion bar). If you find it useful, you can refer back to the rear shock absorber assembly in stage 75.

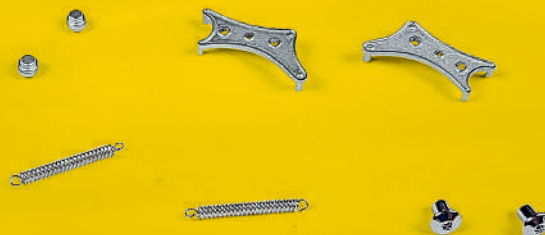


FINAL RESULT

This is how the rear of the vehicle looks at the end of this stage.

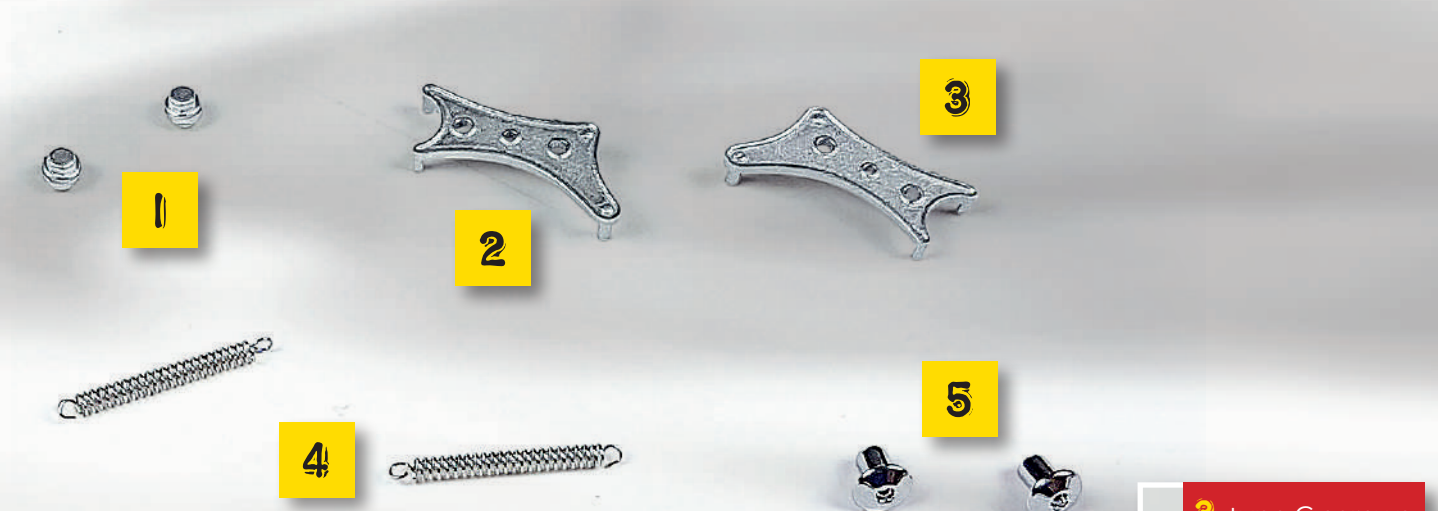
In the next stage

Two new supports for the rear exhaust pipes with the relevant springs, fastening pins for the rear wing, and details for the suspension support.



EXHAUST PIPE SUPPORTS WITH SPRINGS AND DETAILS

THE PARTS IN THIS STAGE WILL ADD NEW SUPPORT ELEMENTS FOR THE REAR EXHAUST PIPES AND DETAILS FOR THE REAR SUSPENSION.



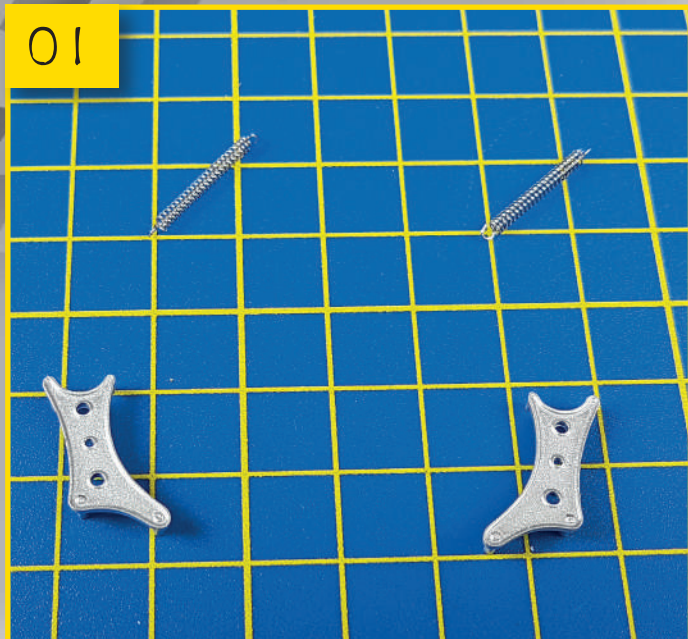
LIST OF PARTS

- 1 Suspension screw covers x2
- 2 Right exhaust pipe support
- 3 Left exhaust pipe support
- 4 Exhaust springs x2
- 5 Wing fastening pins x2

SCREWS

Three type G screws

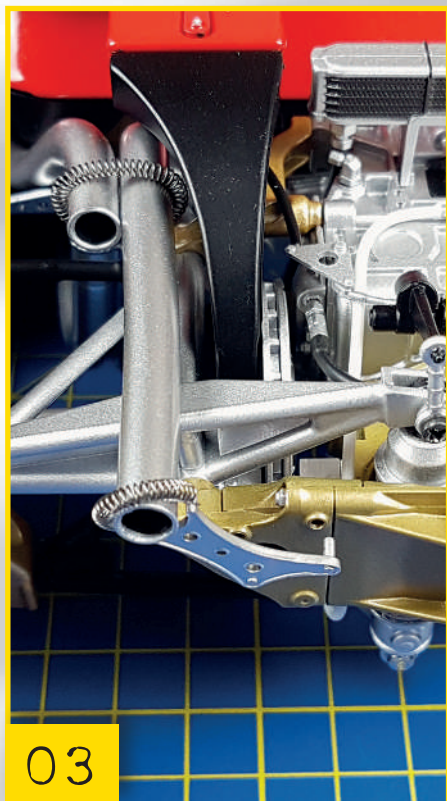




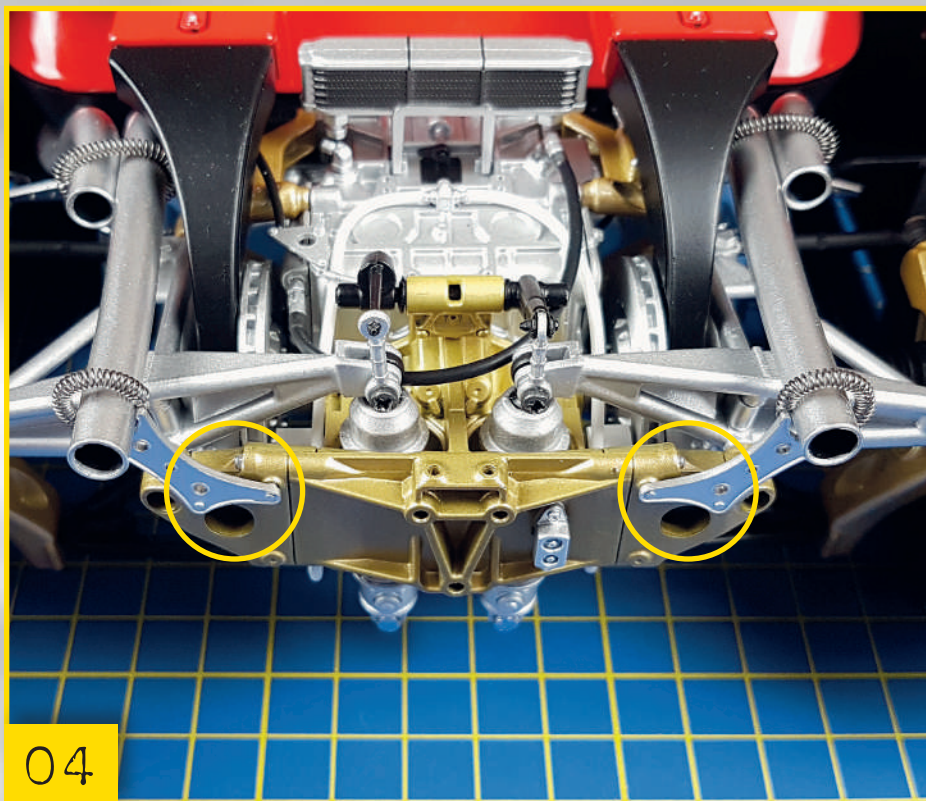
107-01 Lay out both of the rear exhaust pipe supports and the two springs supplied with this stage.



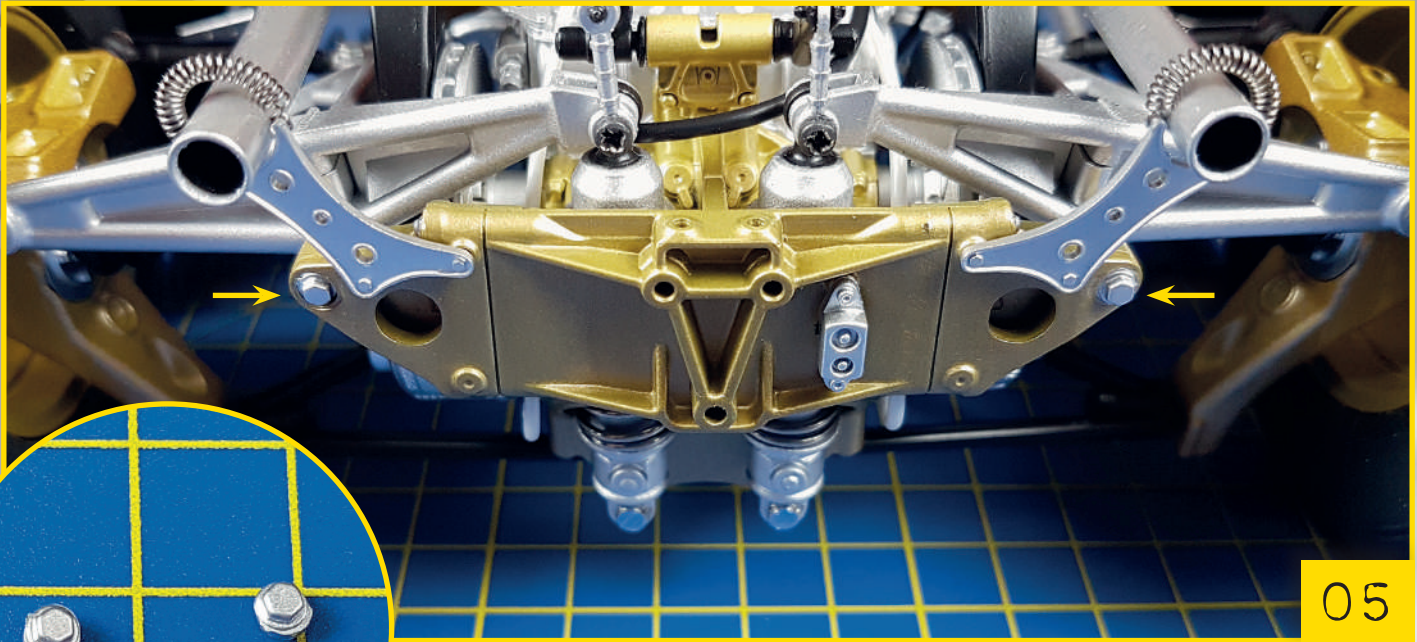
107-02 Press both ends of each spring onto the assembly pins of the supports.



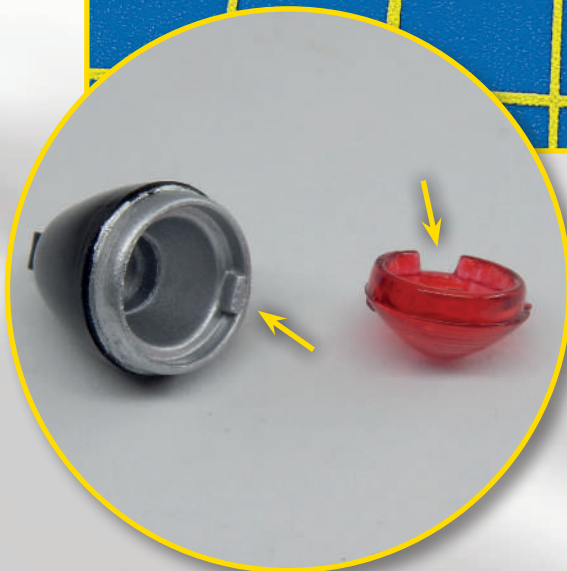
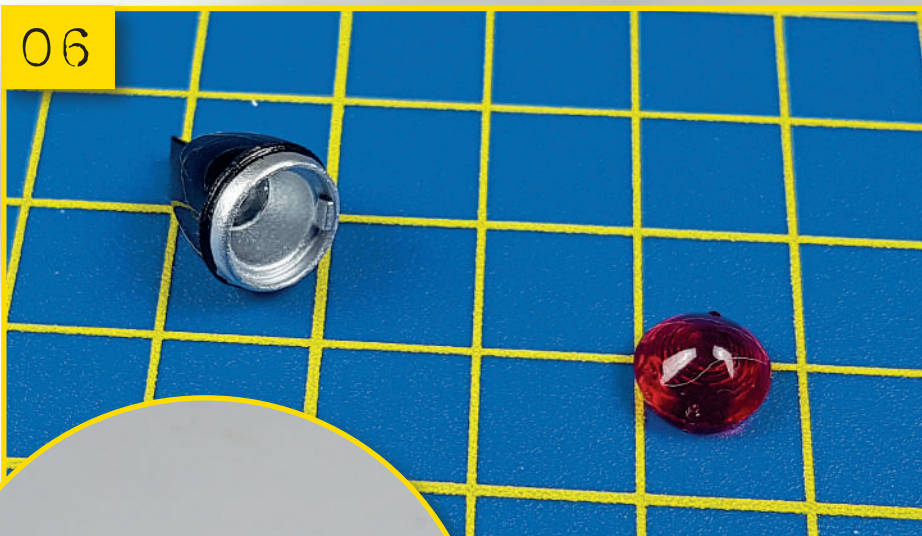
107-03 Slide the left support and spring assembly over the left exhaust pipe.



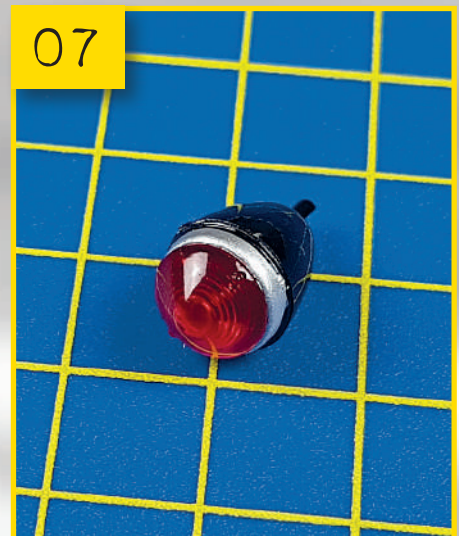
107-04 Do the same for the right side. Then press the pins of the two supports into the structure of the rear suspensions (circled).



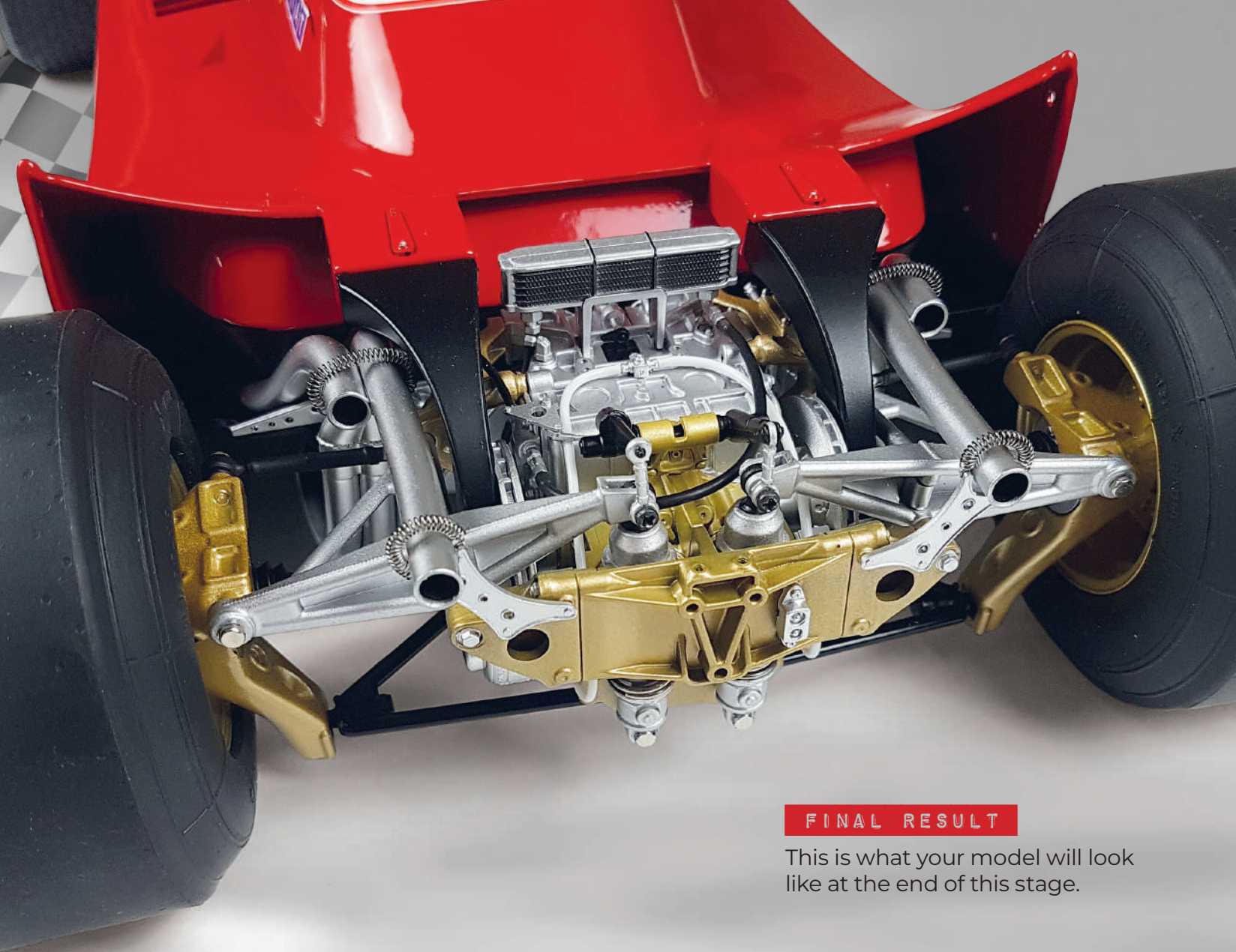
107-05 Take the screw covers and insert them in the screw holes for the upper wishbones. Their magnets will keep them in position.



107-06 Lay out the body and glass of the tail light (provided in stage 106) on your work surface. Note the joints shown in the image on the left.



107-07 Press the two parts of the tail light together using the joints highlighted in the previous step.



FINAL RESULT

This is what your model will look like at the end of this stage.

In the next stage

The right rear rain tyre.



FIRST REAR RAIN TYRE

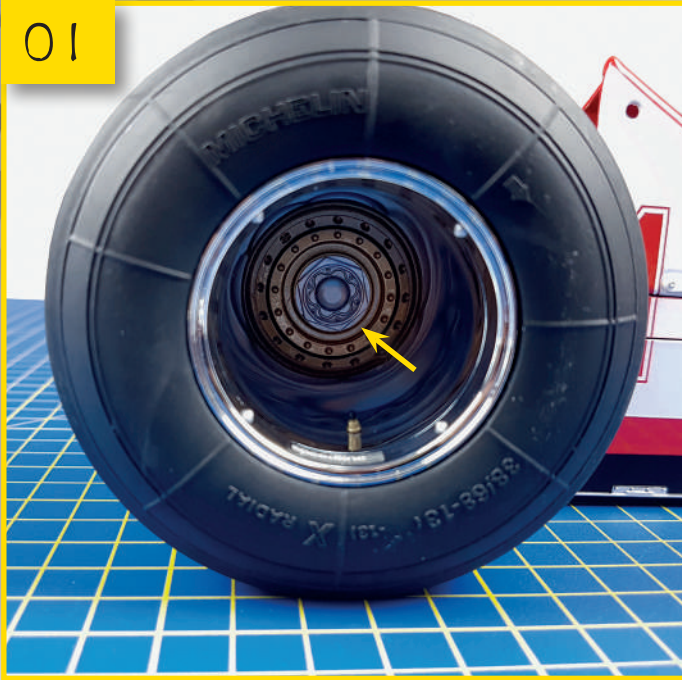
THIS STAGE INCLUDES THE RIGHT REAR RAIN TYRE COMPLETE WITH FOAM FILLING INSERT.



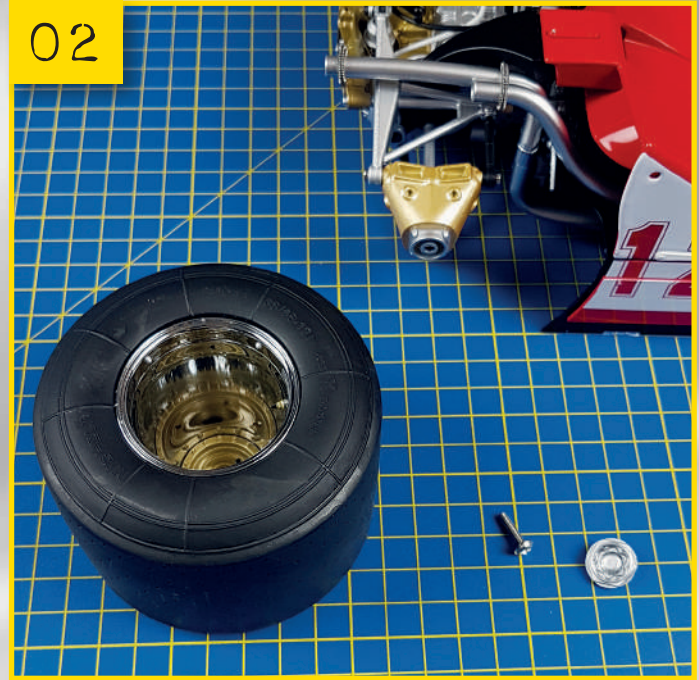
LIST OF PARTS

- 1 Rear rain tyre with filling

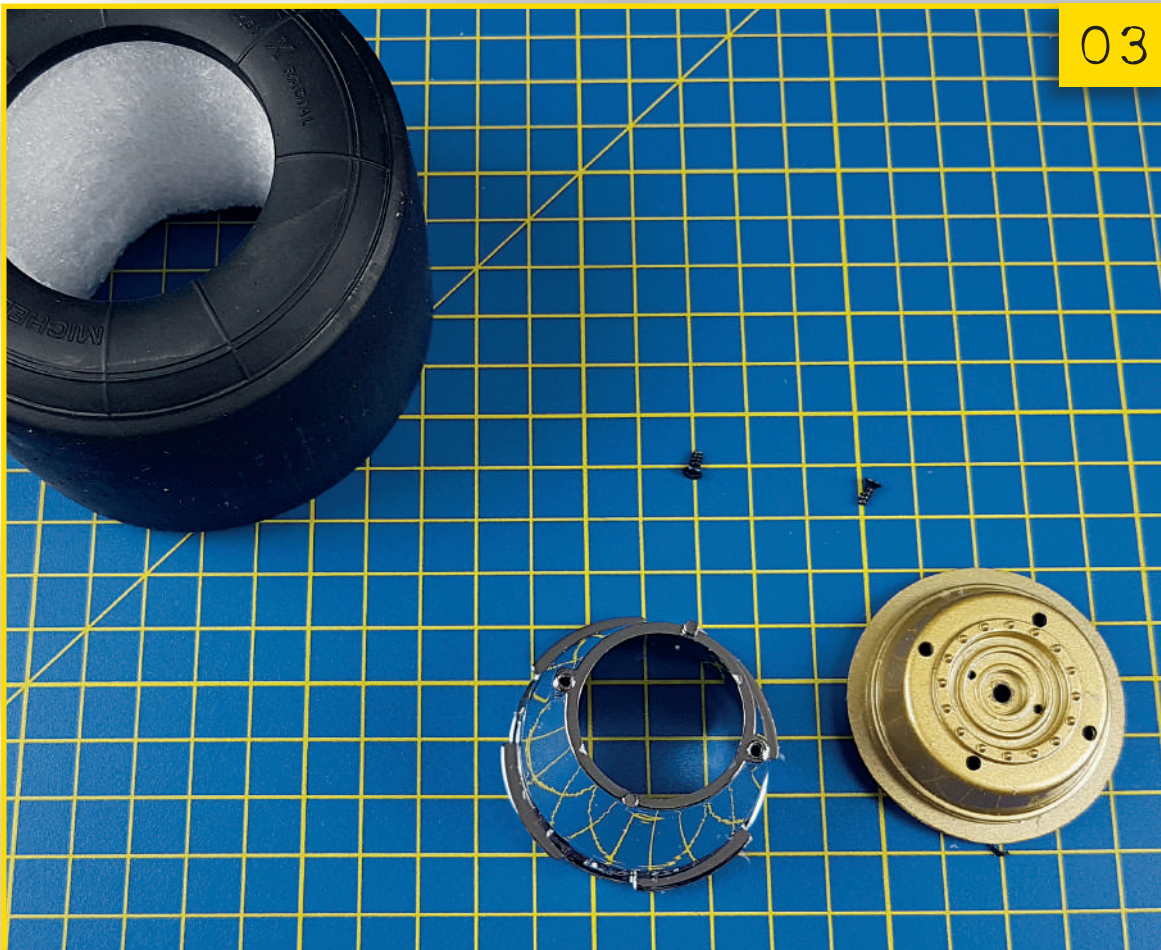




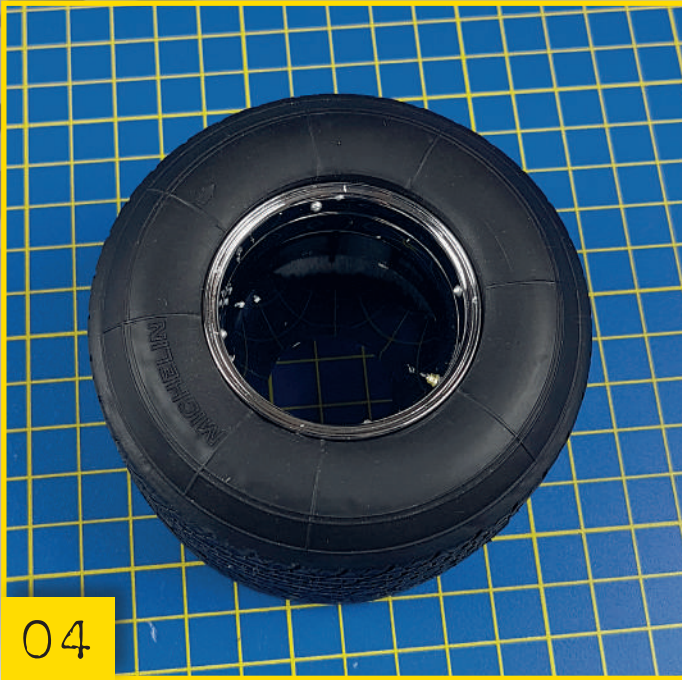
108-01 With a pair of tweezers, remove the hubcap from the right rear wheel.



108-02 Use a Phillips screwdriver to take the fastening screw from the wheel and then remove the wheel itself.



108-03 Then remove the two countersunk screws that hold the two parts of the rim together. Separate the two parts and remove the tyre.



04

108-04 Press the rain tyre onto the outer part of the rim.



05

108-05 Insert the inner part of the rim into the tyre so that the four assembly holes are lined up (arrows).



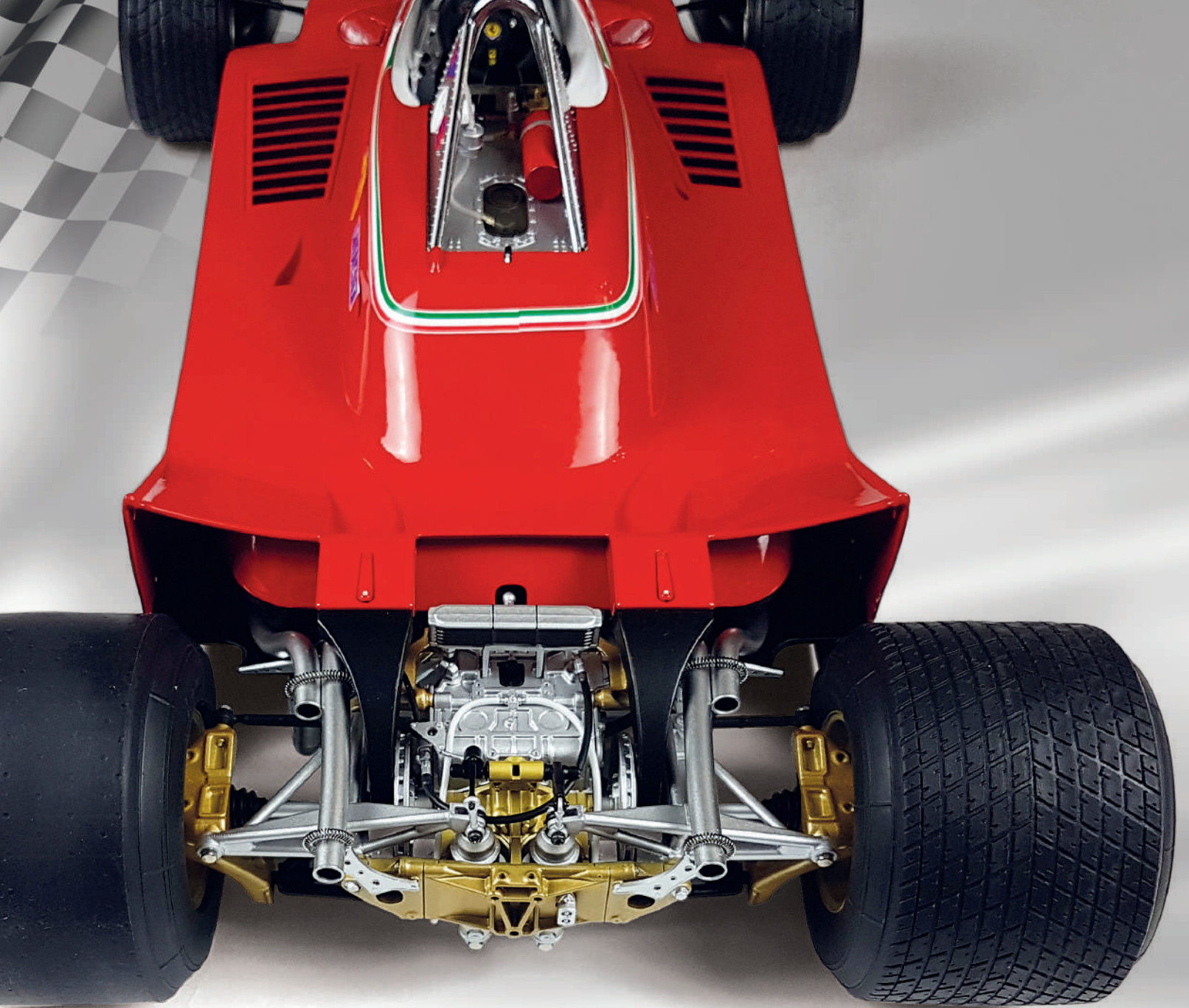
06

108-06 Tighten the two countersunk screws in their seats, also on the diameter of the wheel.



07

108-07 Fit the wheel back onto the model, using the screw removed previously. Don't fit the hubcap yet.



FINAL RESULT

You have replaced the right rear slick tyre with a new rain tyre.

In the next stage

A set of new hubcaps with magnets.



MAGNETIC HUBCAPS SET

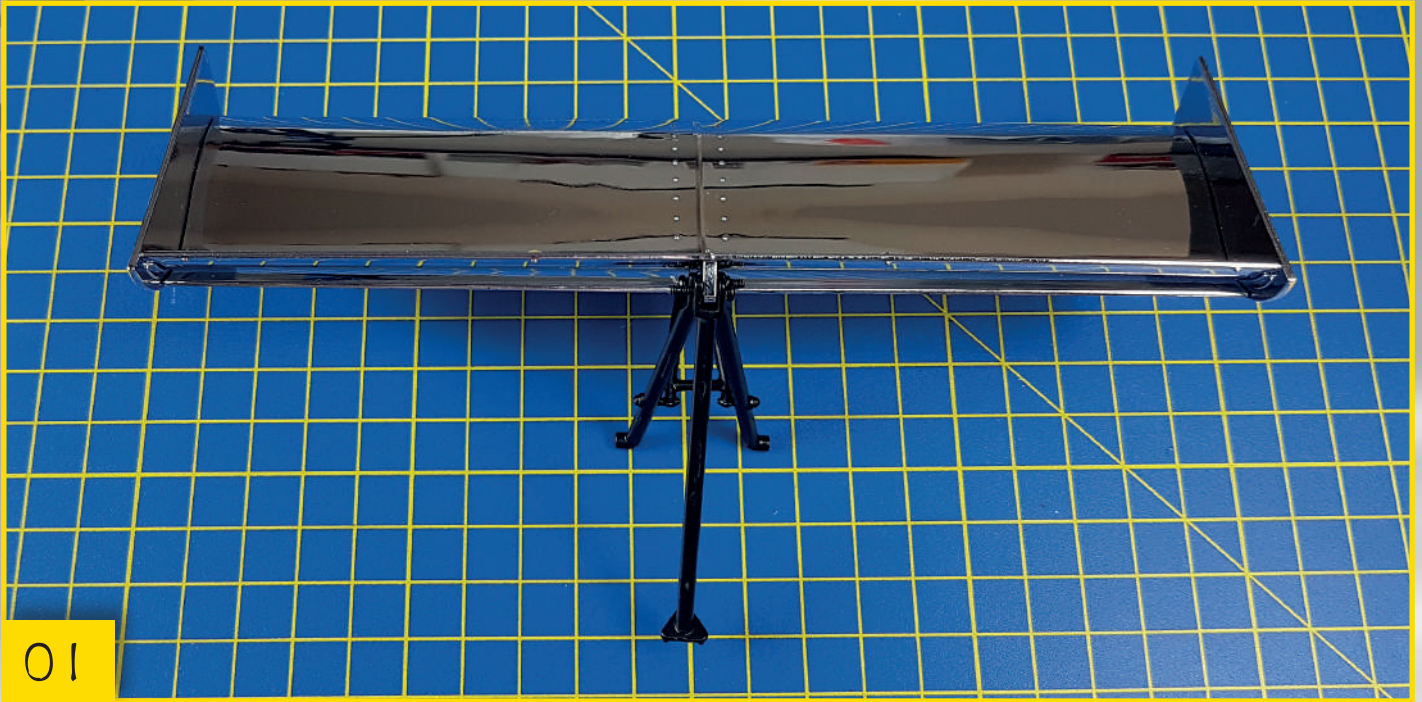
THIS STAGE CONTAINS FOUR NEW HUBCAPS. EACH ONE HAS A MAGNET INSIDE TO MAKE REMOVING AND FITTING THE HUBCAP SIMPLE AND IMMEDIATE, FOR EASIER TYRE CHANGES.



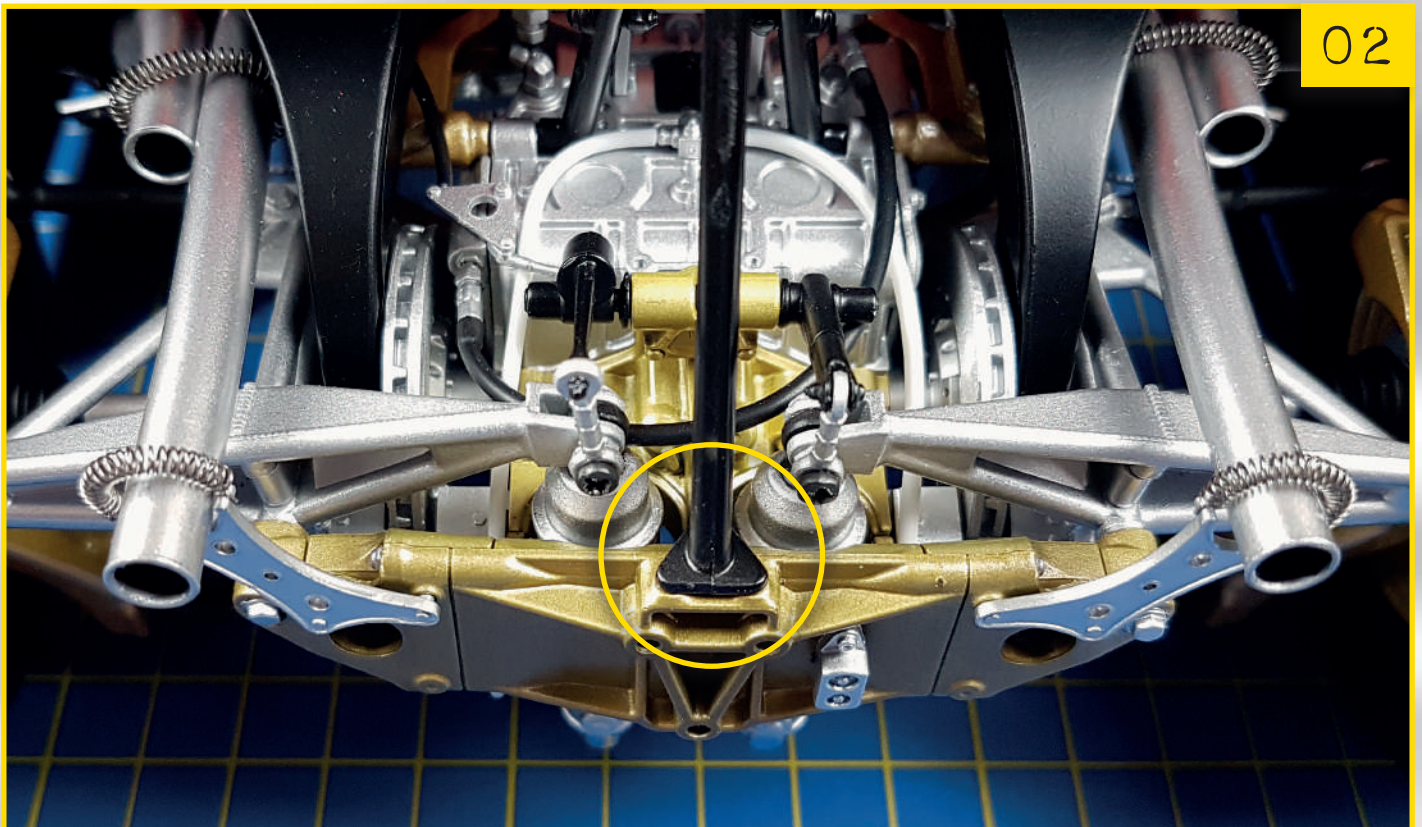
LIST OF PARTS

- 1 Two front hubcaps
- 2 Two rear hubcaps

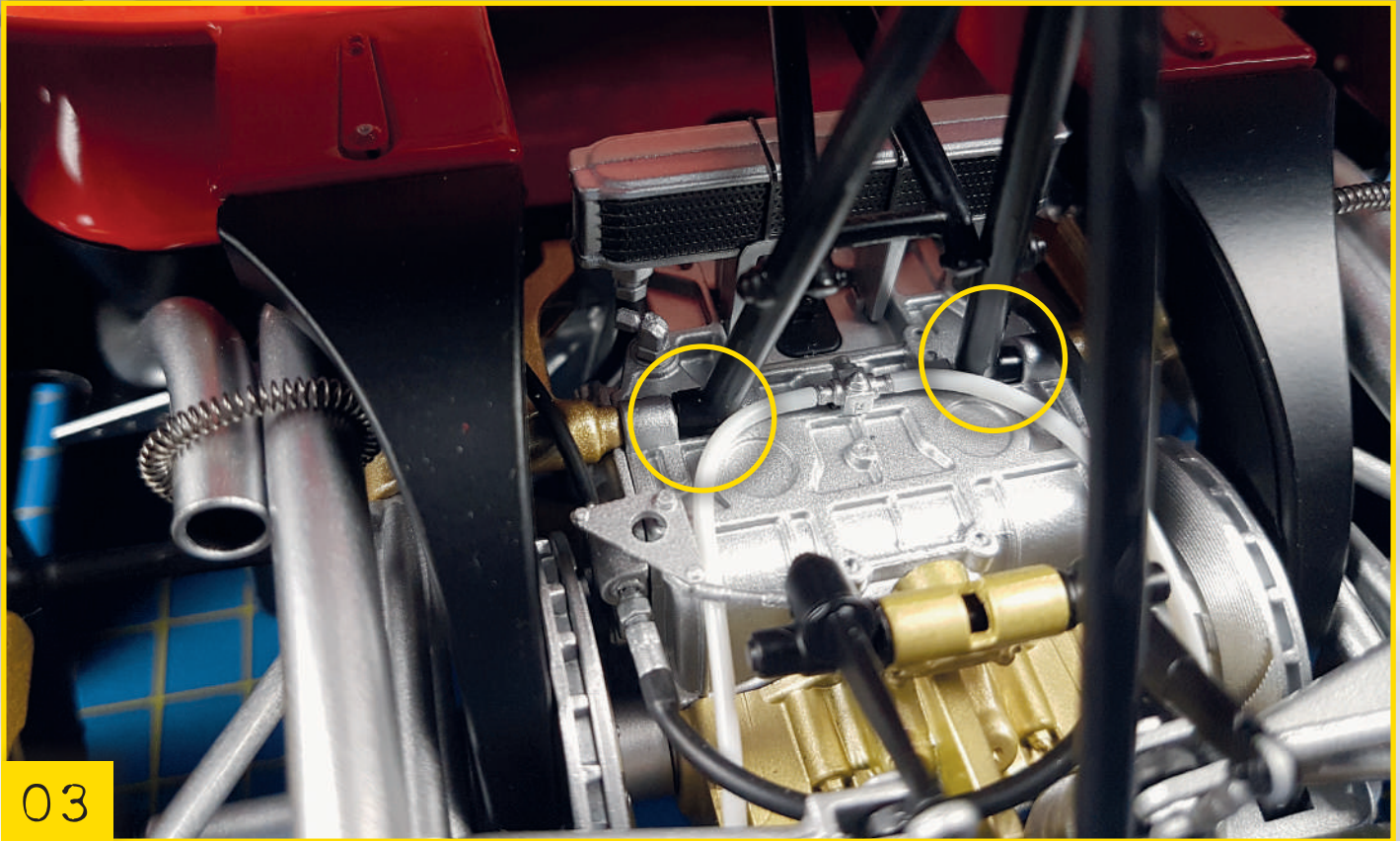




109-01 Take the rear wing assembly, which you built with stage 105, and set it out on your work surface, as shown in the photo. The rear diagonal upright needs to be facing you, while the spoiler is facing its direction of travel.



109-02 Place the rear wing on the model so that the two pins of the diagonal upright fit into the holes above the rear shock absorber support.



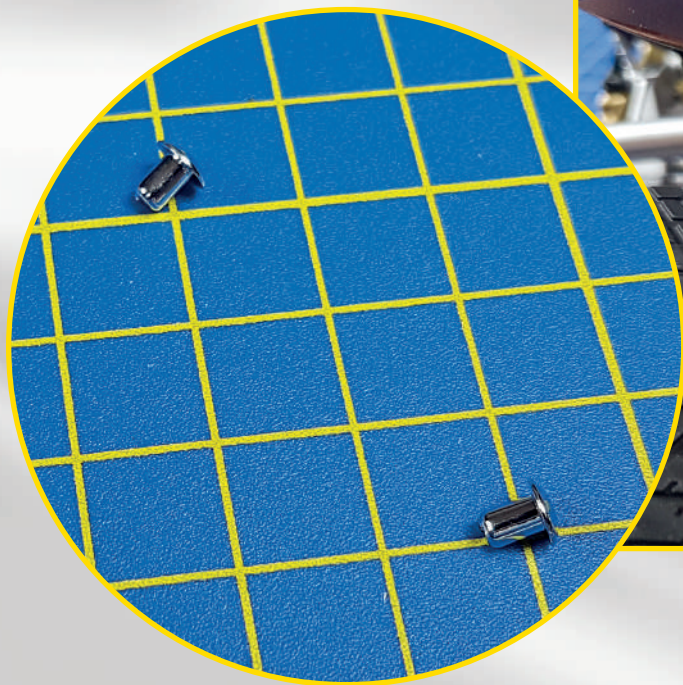
03

109-03 The support frame for the rear wing has two more fixing points, which sit inside the two semicircular seats above the gearbox, and in line with the fitting for the rear brake lines.

109-04 Take the two fastening pins provided in stage 107 (inset image). Match the hole in the wing's side bulkhead with the hole in the bodywork and press in a pin. Repeat this step on the other side.



04



FINAL RESULT

This is how the newly installed parts look.



In the next stage

Left rear rain tyre.



SECOND REAR RAIN TYRE

THIS IS THE LEFT REAR RAIN TYRE FOR FITTING TO YOUR 1:8 SCALE FERRARI 312 T4 MODEL.

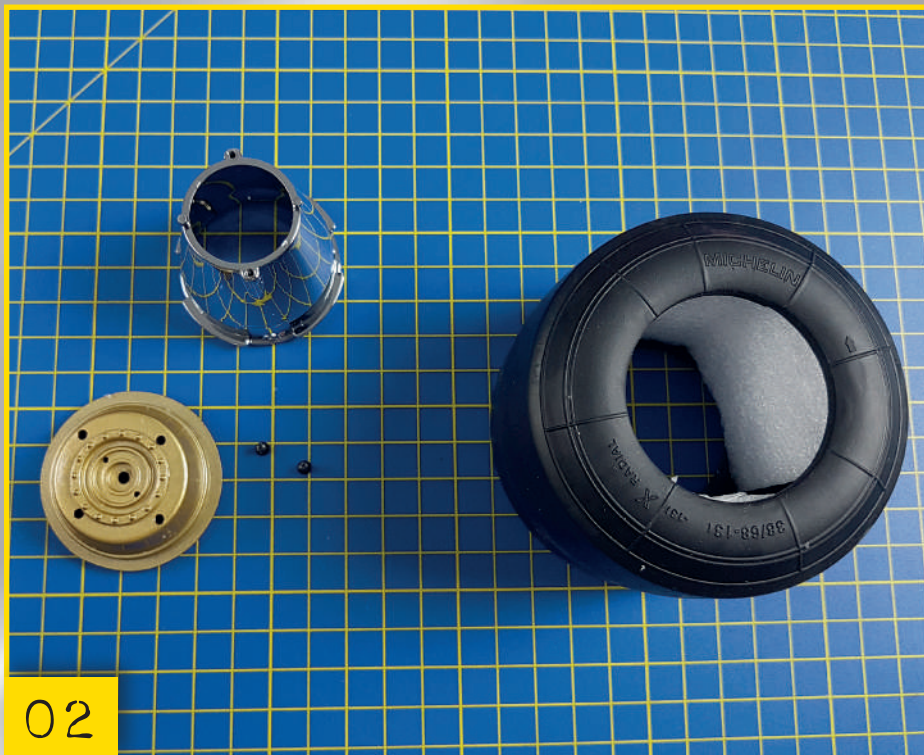


LIST OF PARTS

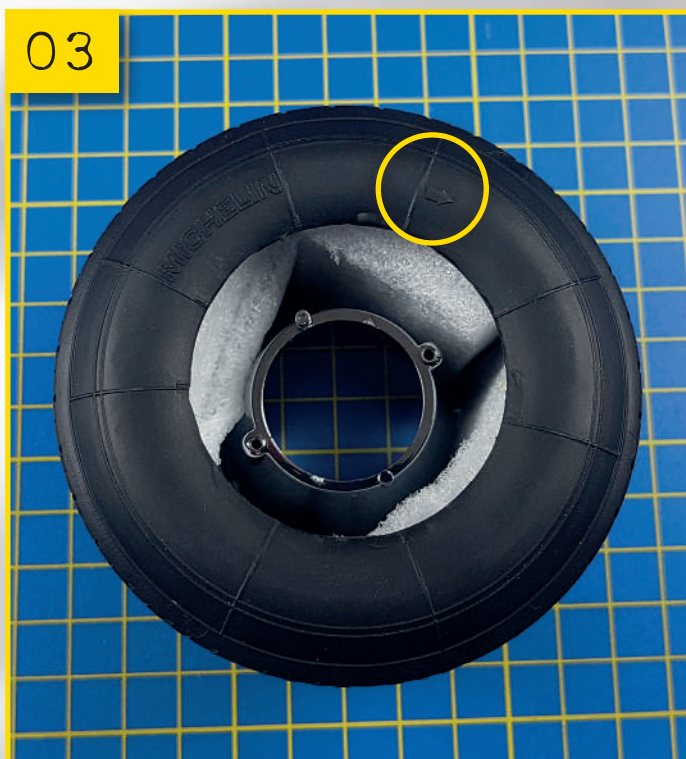
- 1 Rear rain tyre with filling



110-01 Place the model on your work surface and remove the hubcap from the left rear wheel. Take out the screw securing the wheel to the model, and then remove the whole wheel.



110-02 Next remove the two countersunk screws joining the two parts of the rim; separate the rim and take off the slick tyre, complete with filling.



110-03 Press the outside of the rim into the new tyre, making sure it is facing the same rotation direction, as shown by the arrow on the side of the tyre.



110-04 Insert the rear part of the rim into the tyre, so that the pins and screw holes are matched as shown (arrows).

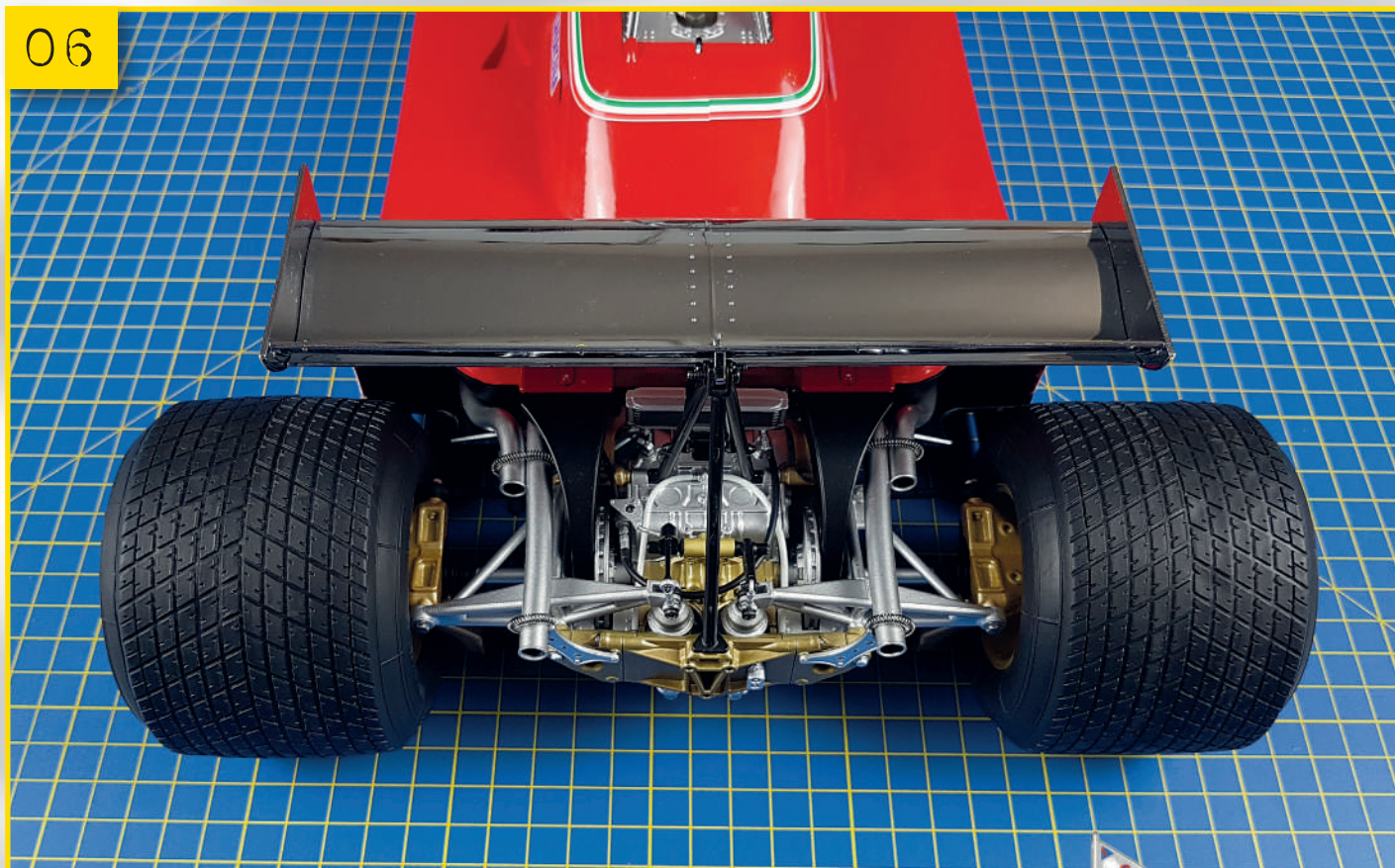
05



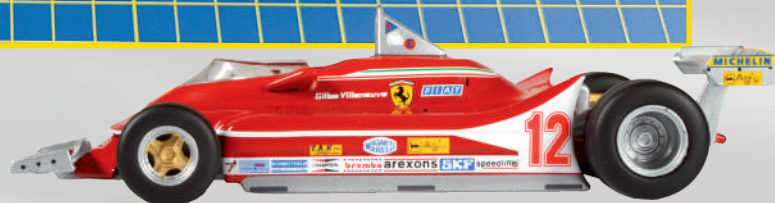
110-05

Insert the two countersunk screws in the seats circled in the image. Make sure that the inner and outer tyre lips are perfectly coupled with the rim.

06



110-06 Refit the wheel by placing it on the hub and tightening the screw you removed at the beginning of this stage. We advise not refitting the hubcap at this stage in the process.





FINAL RESULT

This is how your model will look with the new rear wing and rain tyres.

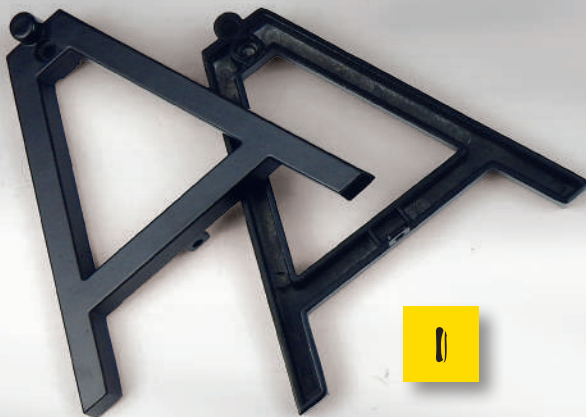
In the next stage

The first bodywork stand.



FRONT BODYWORK STAND

THIS STAGE CONTAINS THE PARTS YOU NEED TO BUILD THE FRONT BODYWORK STAND. WHEN THE ASSEMBLY OF THE TWO STANDS IS COMPLETE, YOU CAN DISPLAY YOUR MODEL "OPEN", TO SHOWCASE THE NUMEROUS INTERNAL DETAILS OF YOUR 1:8 SCALE REPLICA.



1



2



5 type B screws

3

LIST OF PARTS

- 1 Support legs
- 2 Central reinforcement
- 3 Top reinforcement

SCREWS

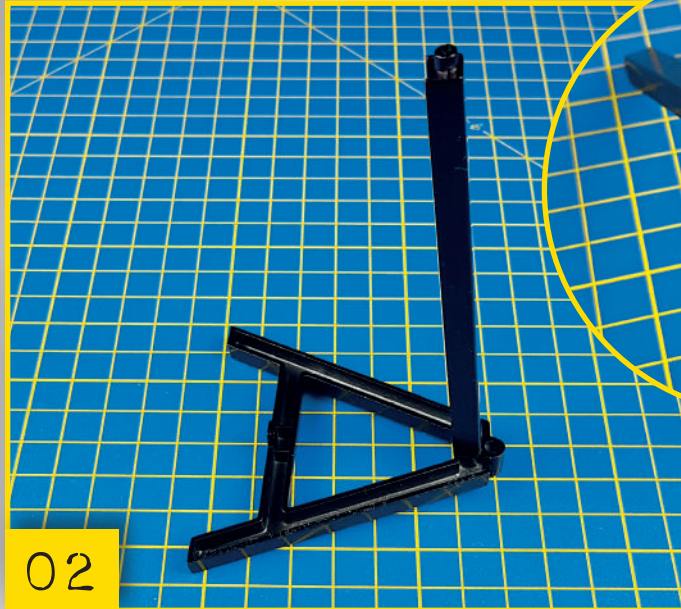
Five type B screws





01

111-01 The central reinforcement (left) has rectangular joints, while the joints of the upper reinforcement (right) are cylindrical.



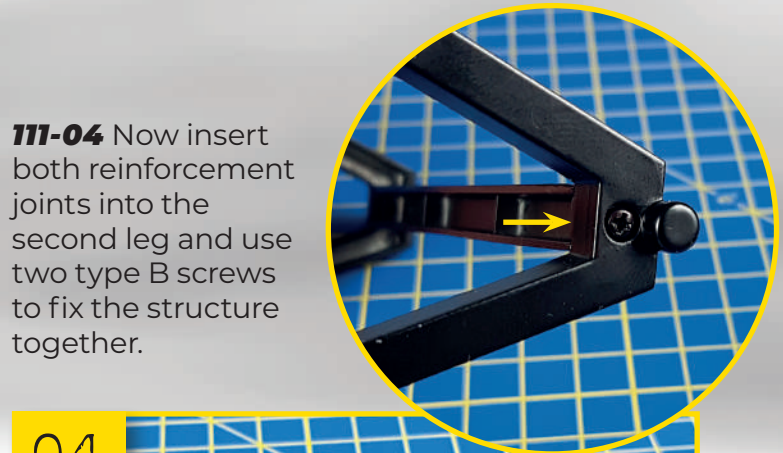
02

111-02 Insert the upper reinforcement, with the flat part facing upwards, in the top hole of the right leg. Use a Phillips screwdriver to drive in a type B screw (inset image) to secure it.



03

111-03 Insert the central reinforcement in the hole in the leg, with the flat section facing upwards. Secure it with a type B screw.

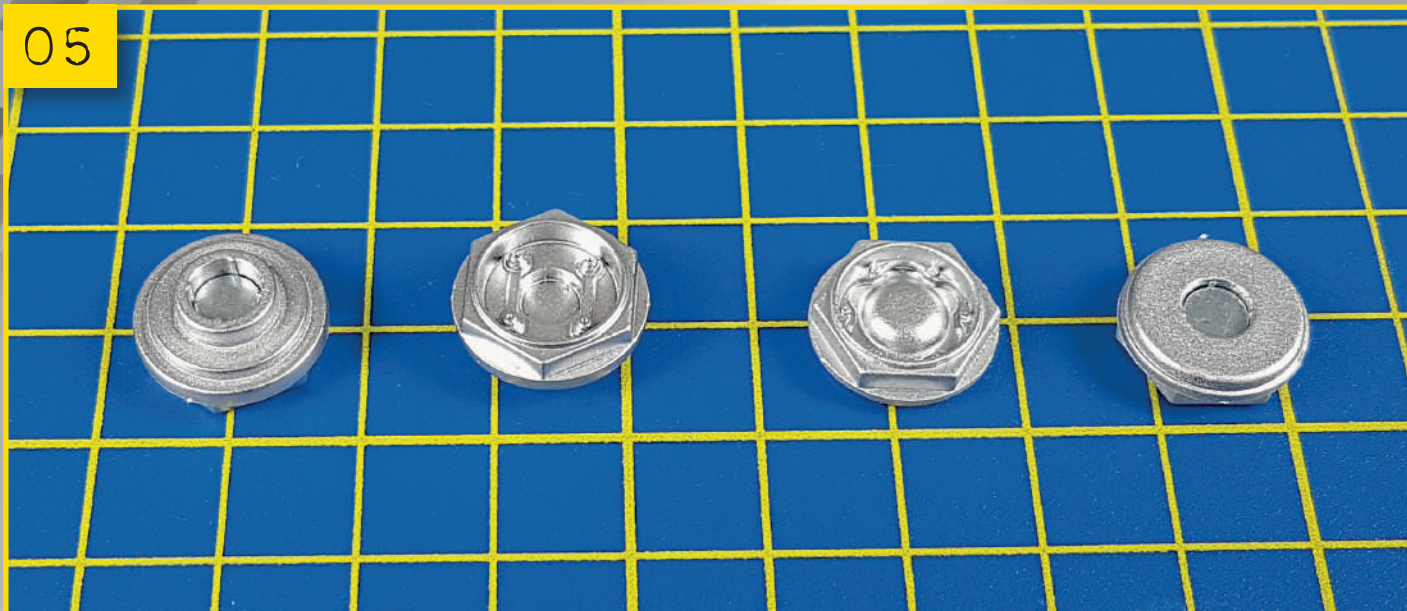


04

111-04 Now insert both reinforcement joints into the second leg and use two type B screws to fix the structure together.



05



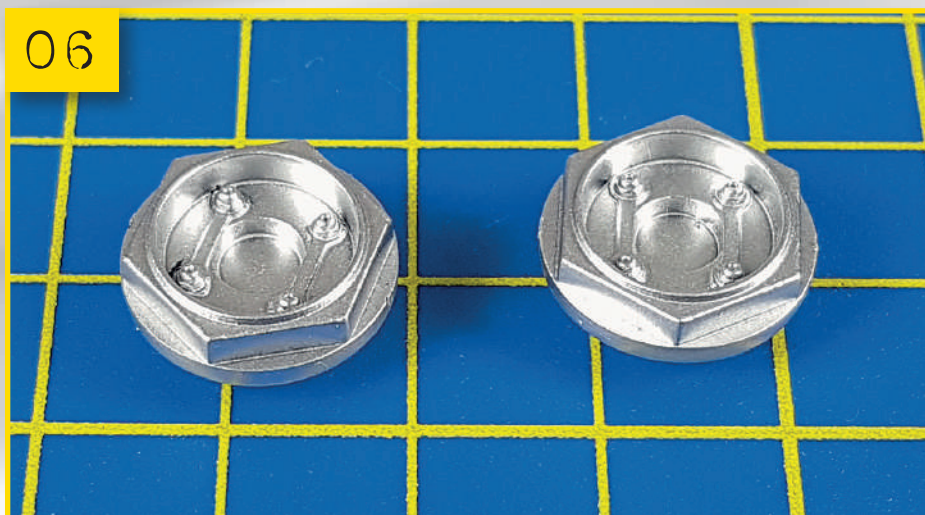
111-05

Take the four magnetic hubcaps supplied in stage 109.

111-06

Find the front hubcaps: these are higher than the others and are detailed with four bolts in the centre.

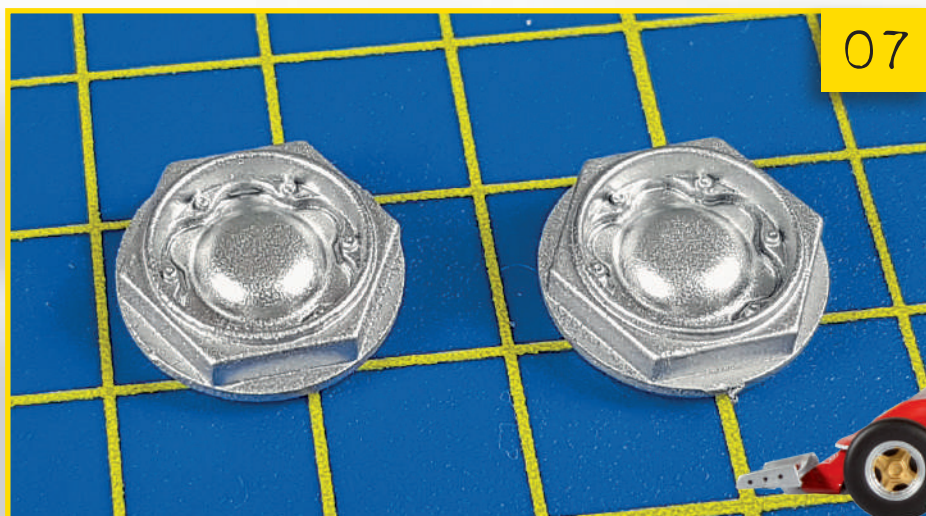
06



07

111-07

The rear hubcaps are convex in the centre.





111-08 Place the front hubcaps in the centre of both front wheels.



111-09 Now all you have to do is fit the rear hubcaps on the vehicle.



FINAL RESULT

The first bodywork stand is complete and the magnetic hubcaps have been fitted.

In the next stage

The second bodywork stand.



REAR BODYWORK STAND

THE FINAL STAGE OF BUILDING YOUR REPLICA 1:8 SCALE FERRARI 312 T4 MODEL IS TO COMPLETE THE ASSEMBLY OF THE REAR STAND FOR DISPLAYING THE BODYWORK OF THE MODEL SEPARATELY.



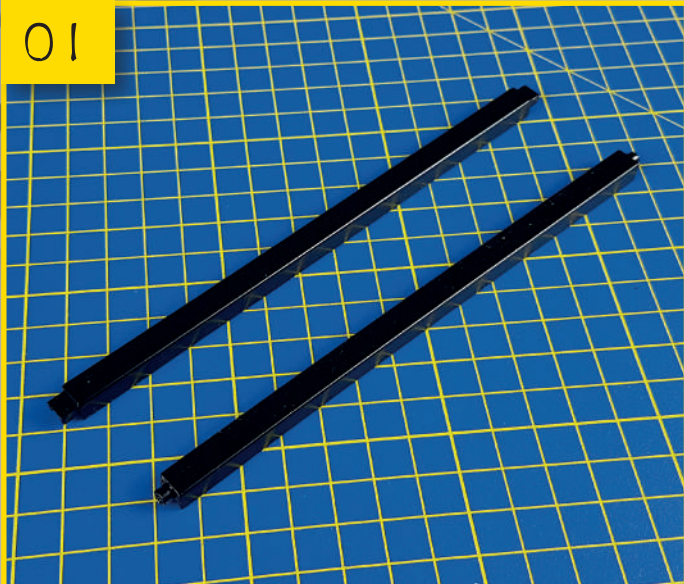
LIST OF PARTS

- 1 Support legs
- 2 Central reinforcement
- 3 Top reinforcement

SCREWS

Five type B screws

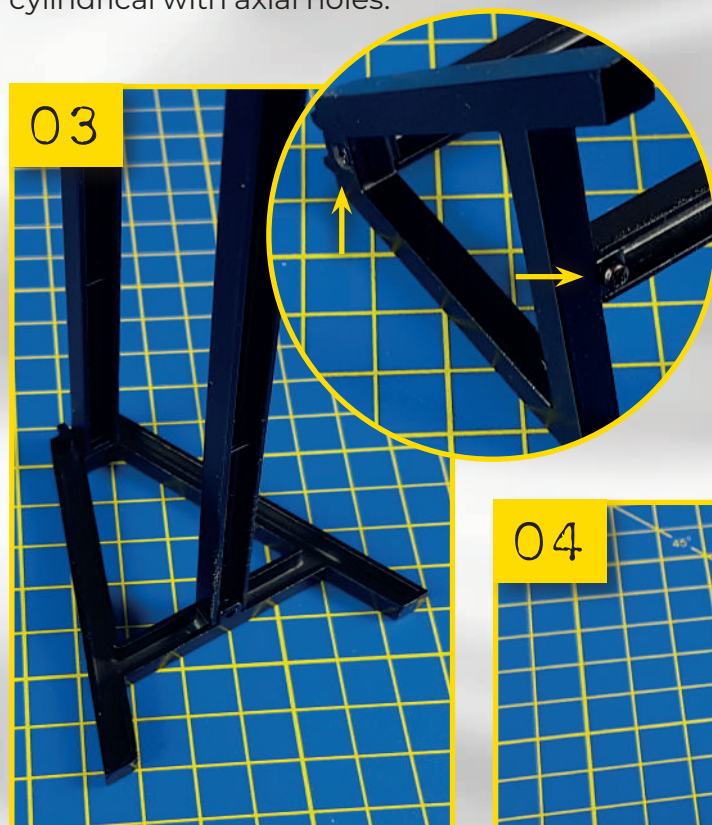




112-01 The central reinforcement (on the left in the photo) has rectangular joints which are bored crosswise, while the joints of the upper reinforcement (to the right of the photo) are cylindrical with axial holes.

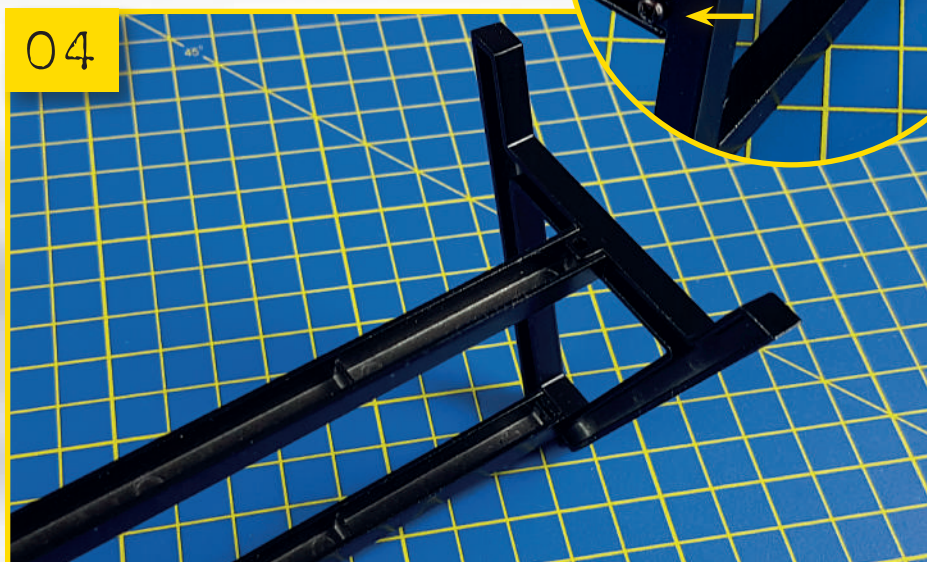


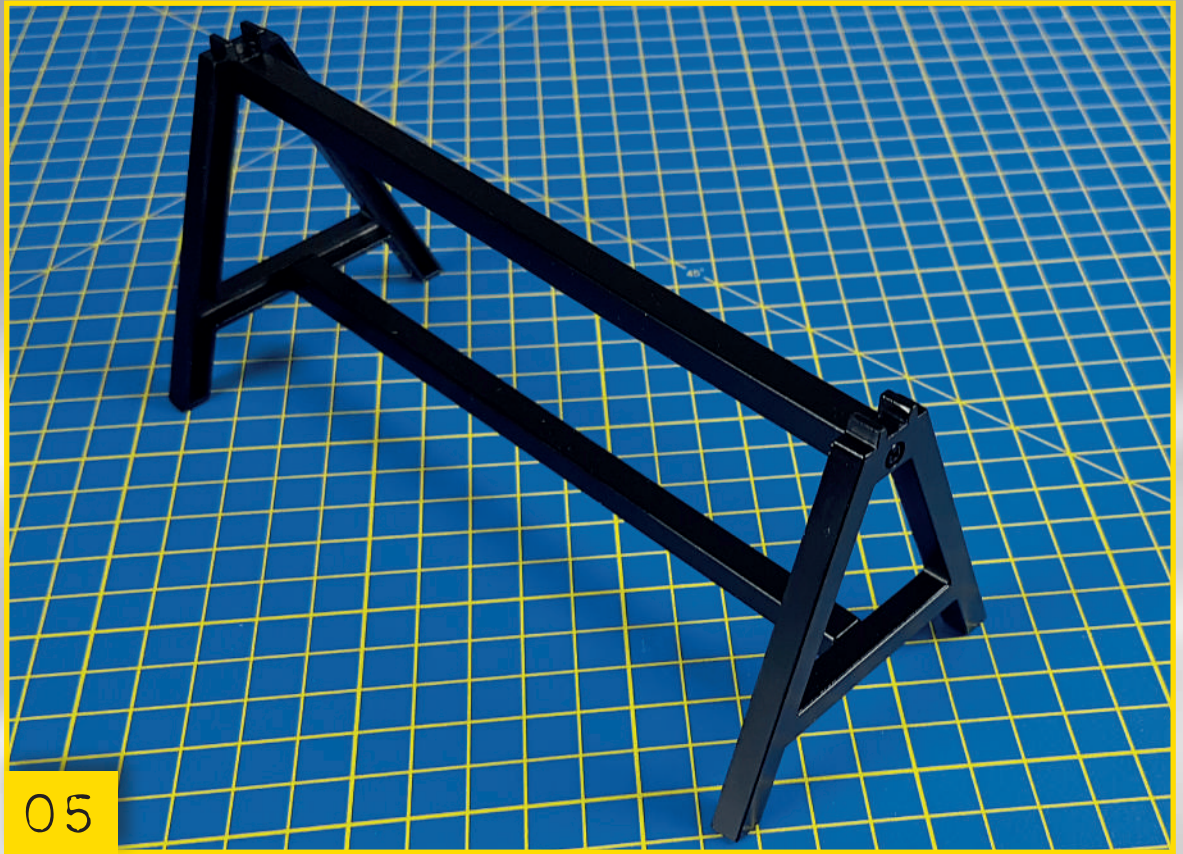
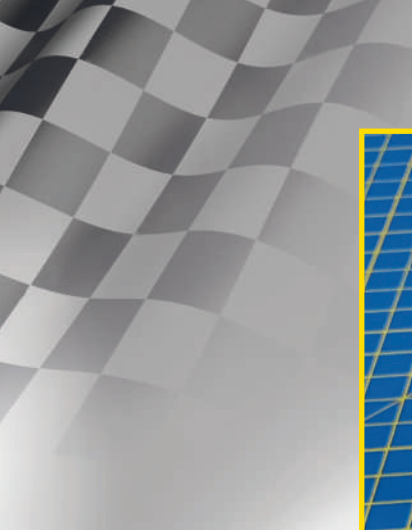
112-02 Insert the upper reinforcement with the flat part facing upwards, in the top hole of the right leg. Use a type B screw to fasten the parts together.



112-03 Insert the central reinforcement in the hole in the leg, with the flat section facing upwards. Secure it with a type B screw.

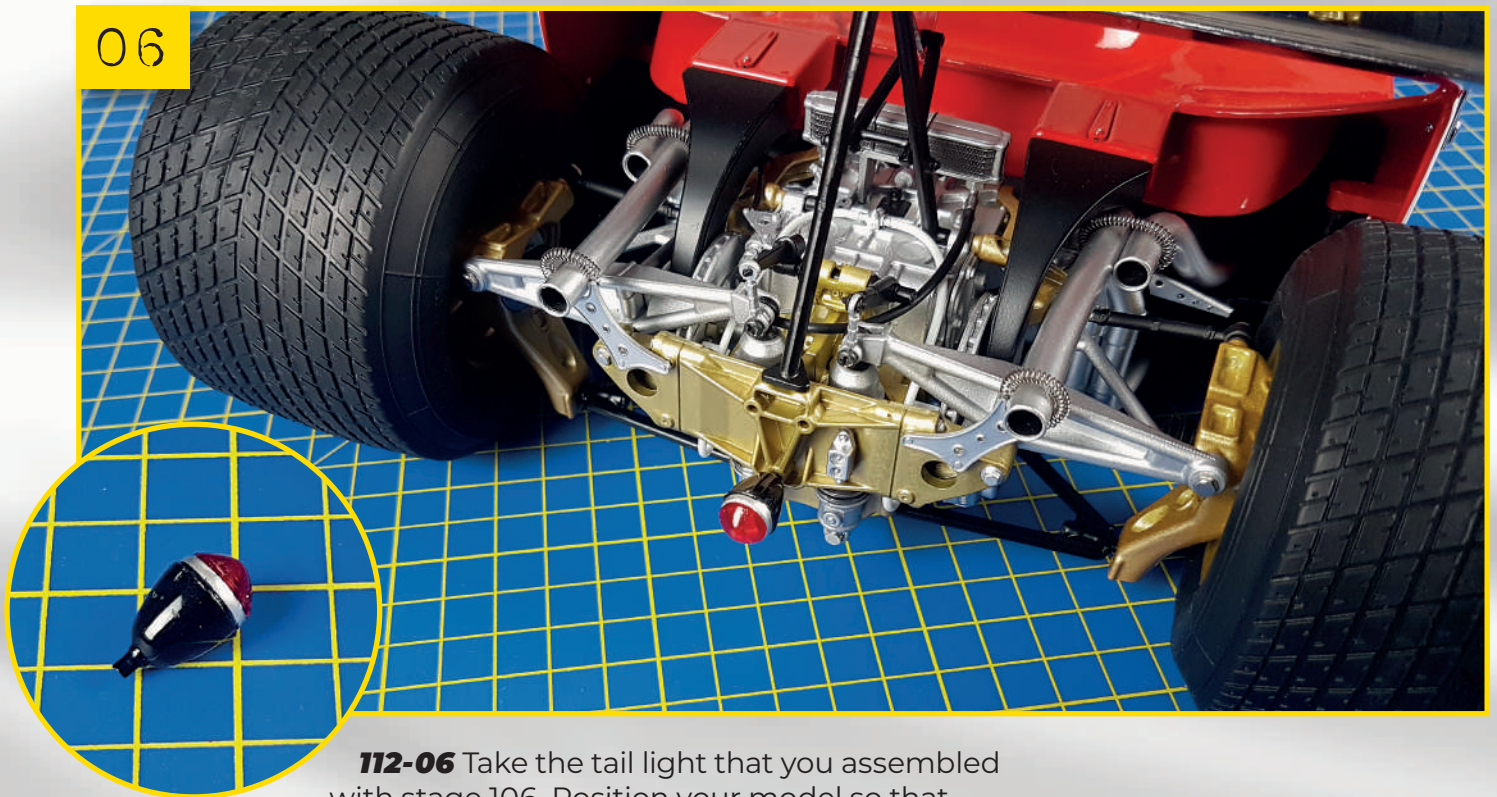
112-04 Now insert both reinforcements into the seating on the second leg. Use two type B screws to secure the structure.





112-05
Now the rear stand is complete.

05



112-06 Take the tail light that you assembled with stage 106. Position your model so that you can easily work on the back. Press the pin of the tail light structure into the bottom hole on the suspension support plate.

FINAL RESULT

To remove the bodywork, take out the four screws in the bottom part of the model. Press gently on the two fastenings of the rear wing and lift the bodywork from the front. Remove it and place it on the stands, so that the two side rear fastenings match with the seatings on the rear stand and the two front slots are aligned with the front stand support.



Congratulations! You have finished the assembly of your FERRARI 312 T4 scale model!

