



# FERRARI

# 312 T4

THE LEGENDARY 1970s F1 FERRARI

PACK **08**

STAGES 63-72



SCALE  
**1:8**

**AGORA**  
MODELS®



# FERRARI

# 312 T4

SCALE  
1:8

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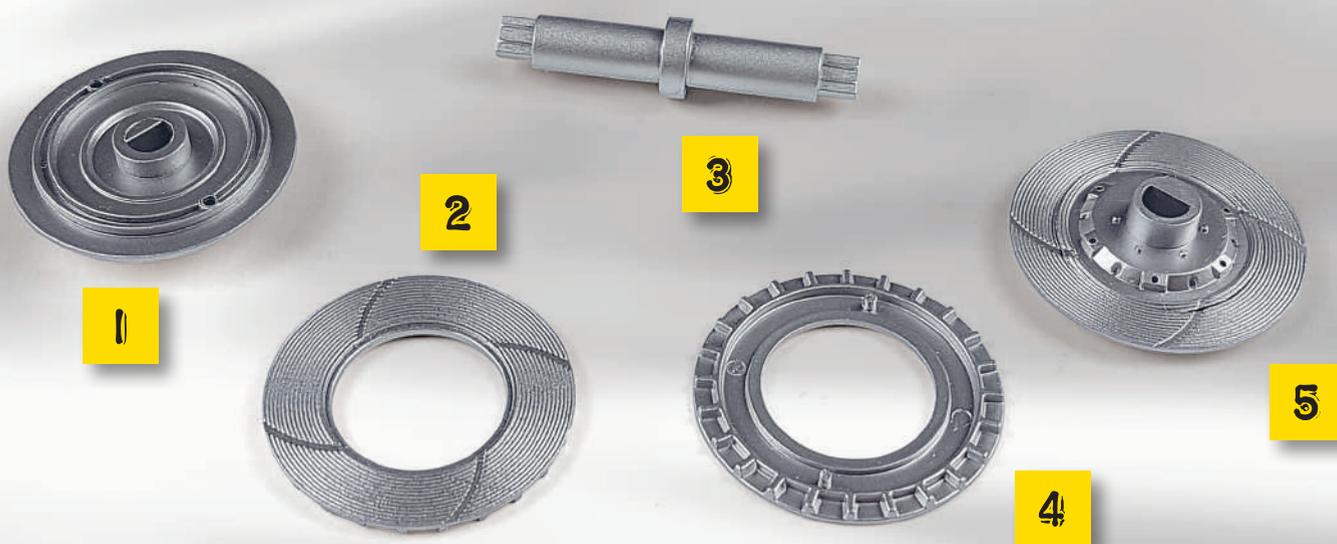
**AGORA**  
MODELS

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# REAR BRAKE DISCS AND AXLE

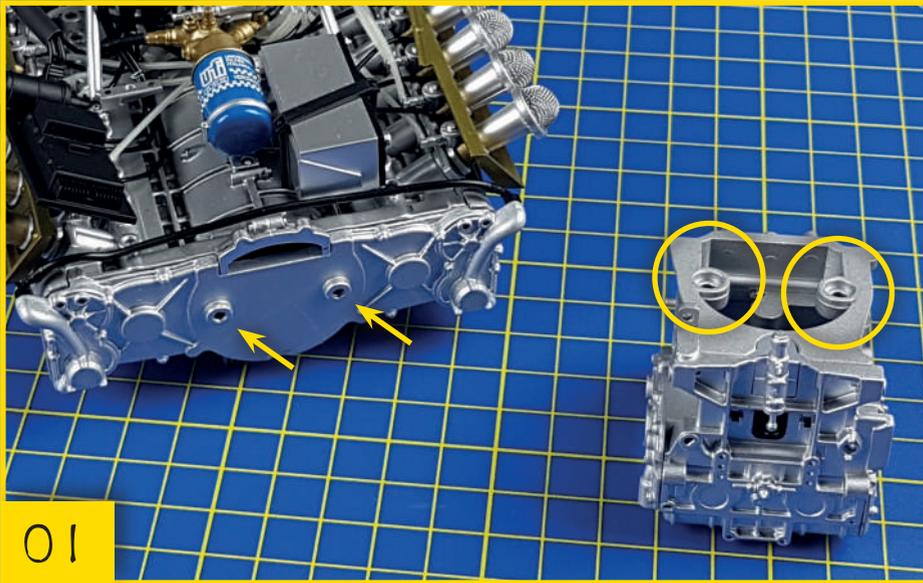
THIS STAGE CONTAINS THE PARTS YOU NEED TO BUILD THE TWO REAR BRAKE DISCS AND THE AXLE, WHICH WILL BE POSITIONED INSIDE THE TRANSMISSION UNIT OF YOUR 1:8 SCALE REPLICA OF THE FERRARI 312 T4.



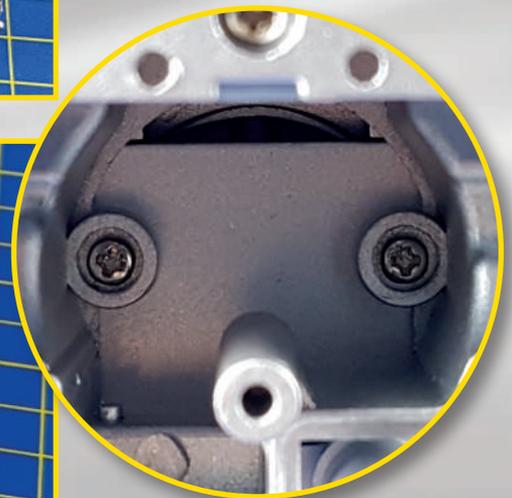
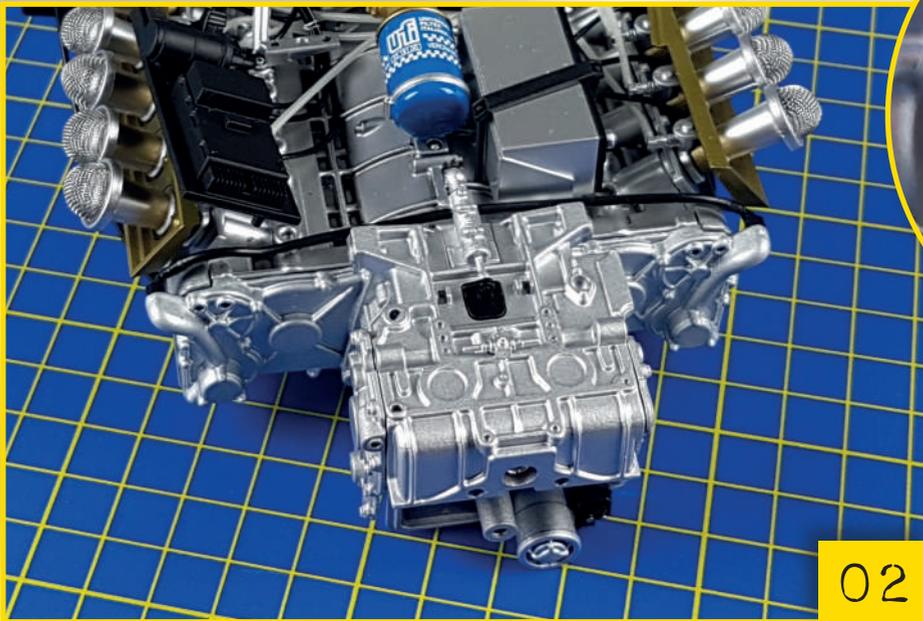
## LIST OF PARTS

- 1 Brake disc inner
- 2 Brake disc outer
- 3 Axle
- 4 Brake disc outer
- 5 Brake disc inner

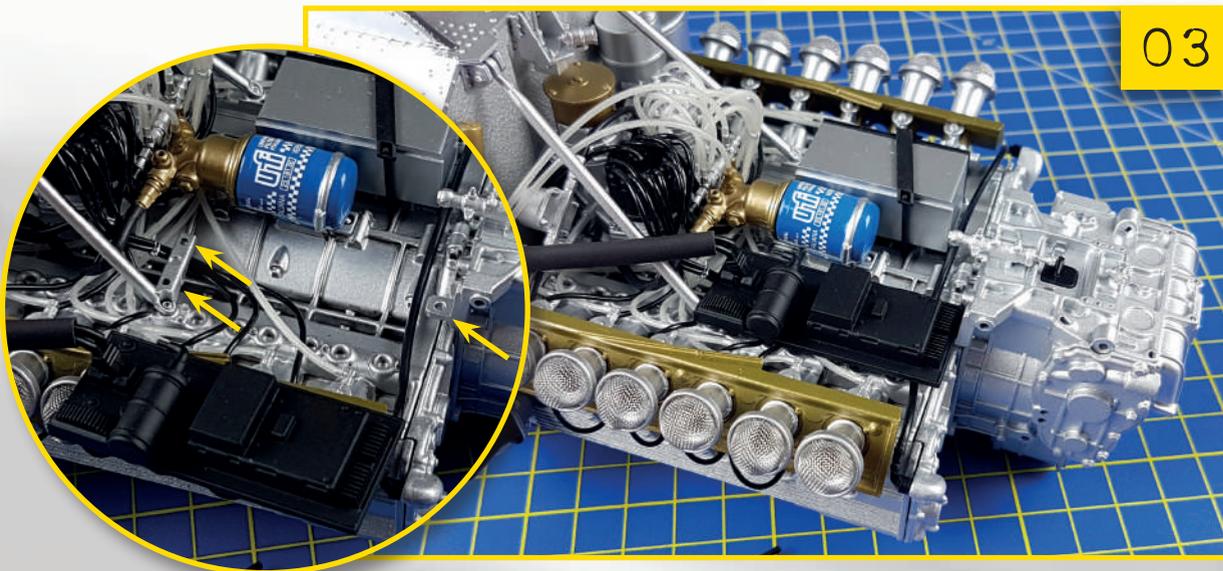




**63-01** Take the model and place it on your work surface, next to the gearbox. Before proceeding with the assembly, identify the joint elements highlighted in the image.



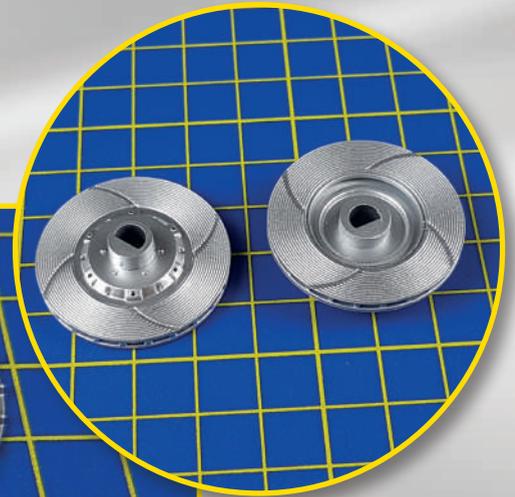
**63-02** Mount the gearbox onto the model and secure it in place by driving two type N screws (supplied with stage 61) in the holes inside the rectangular opening on the base of the gearbox (inset).



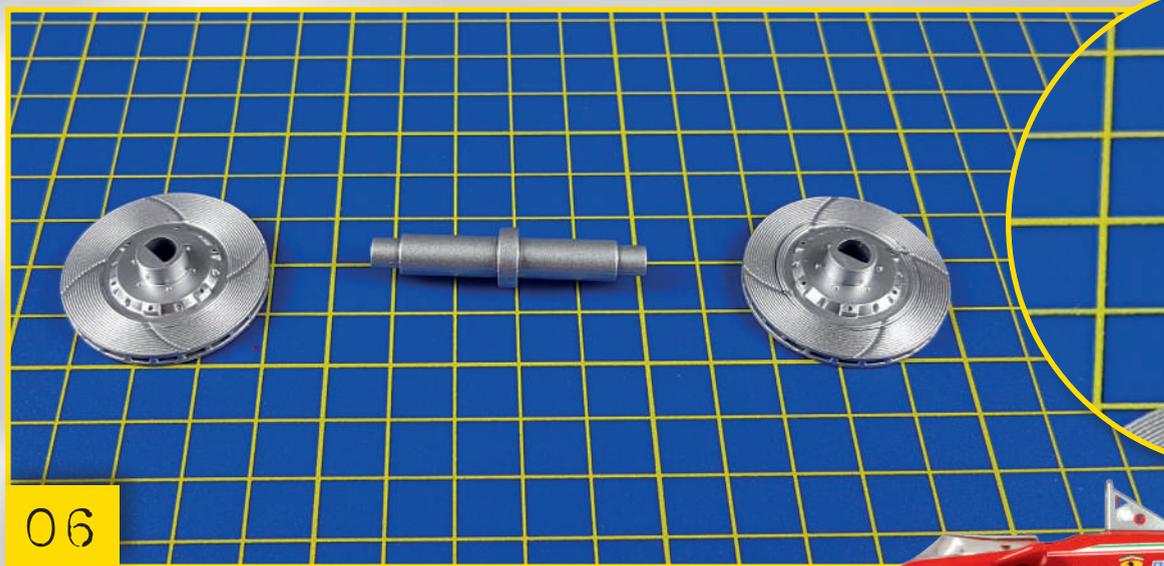
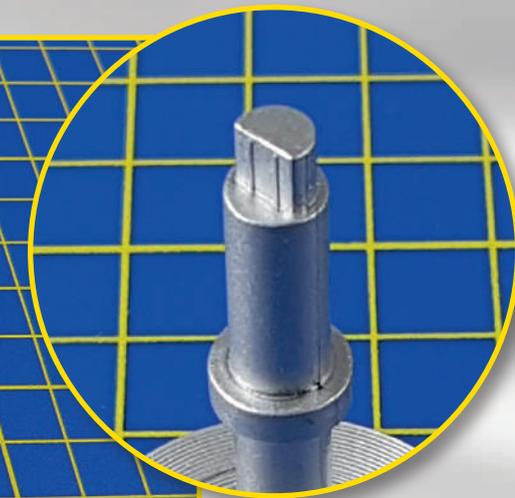
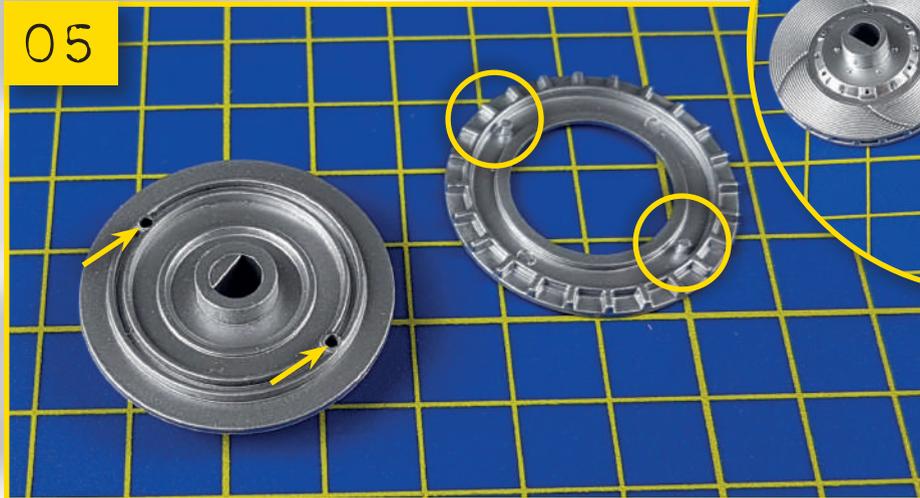
**63-03** To complete control unit assembly, insert its fixing pins into the three holes as shown in the inset image.



**63-04**  
Use tweezers to take the line from the central pipe for the distributor and insert it into the fitting on the coil.

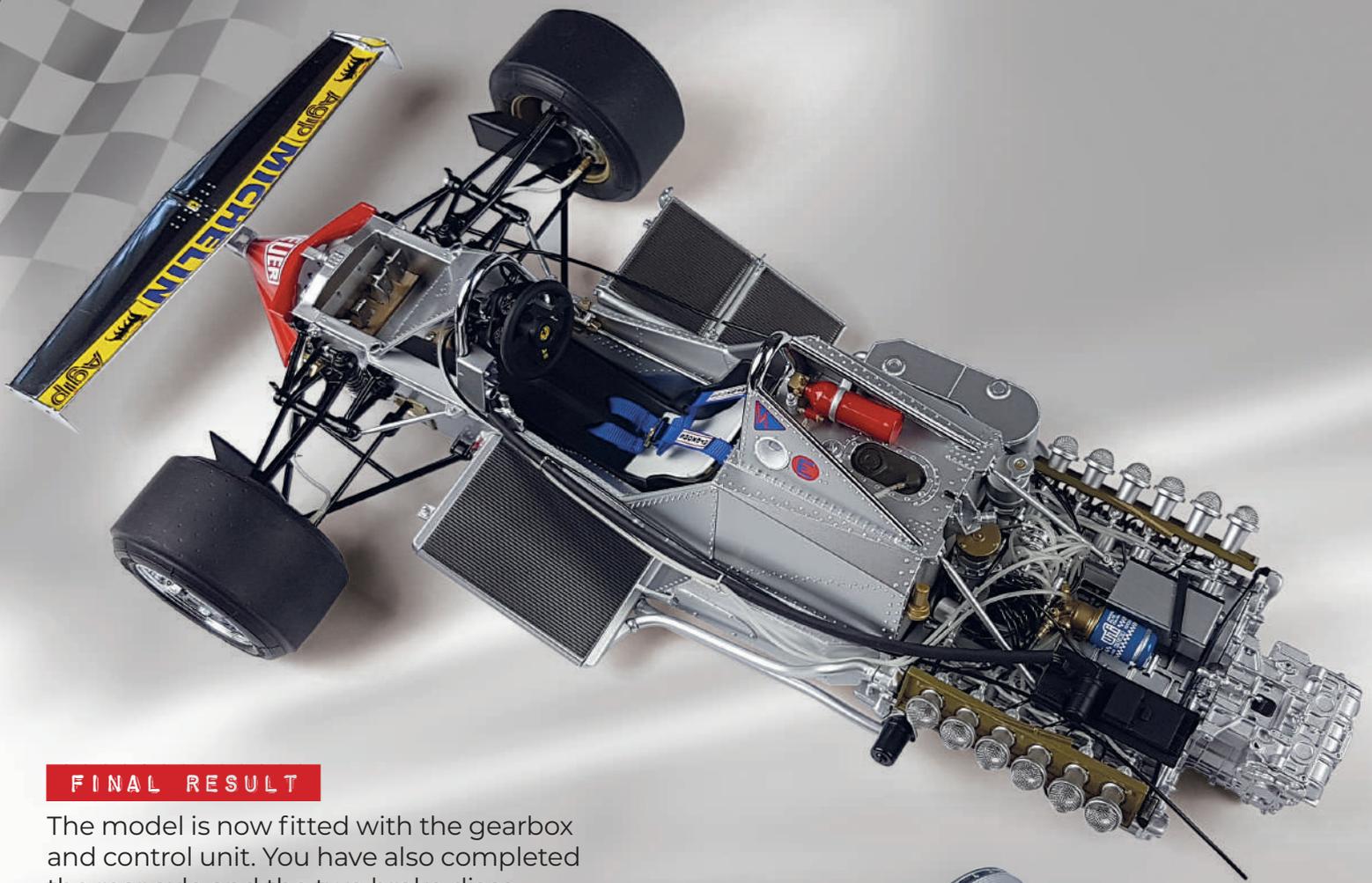


**63-05**  
Now you can assemble the rear brake disc. Join the inner to the outer on each disc by inserting the pins into the holes, as shown in the photo.



**63-06** Fit the two rear brake discs onto the axle, by pressing the semicircular sections together.





### FINAL RESULT

The model is now fitted with the gearbox and control unit. You have also completed the rear axle and the two brake discs.



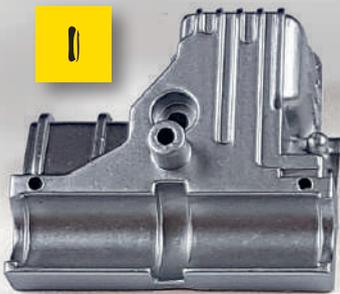
### In the next stage

The rear closure of the gearbox and the first part of the supports on the rear suspension.



# REAR GEARBOX COVER AND REAR SUSPENSION SUPPORT

THIS STAGE INCLUDES THE LAST PART OF THE GEARBOX AND THE FIRST PART OF THE REAR SUSPENSION SUPPORT STRUCTURE.



1



2

2 type N screws



2 type P screws



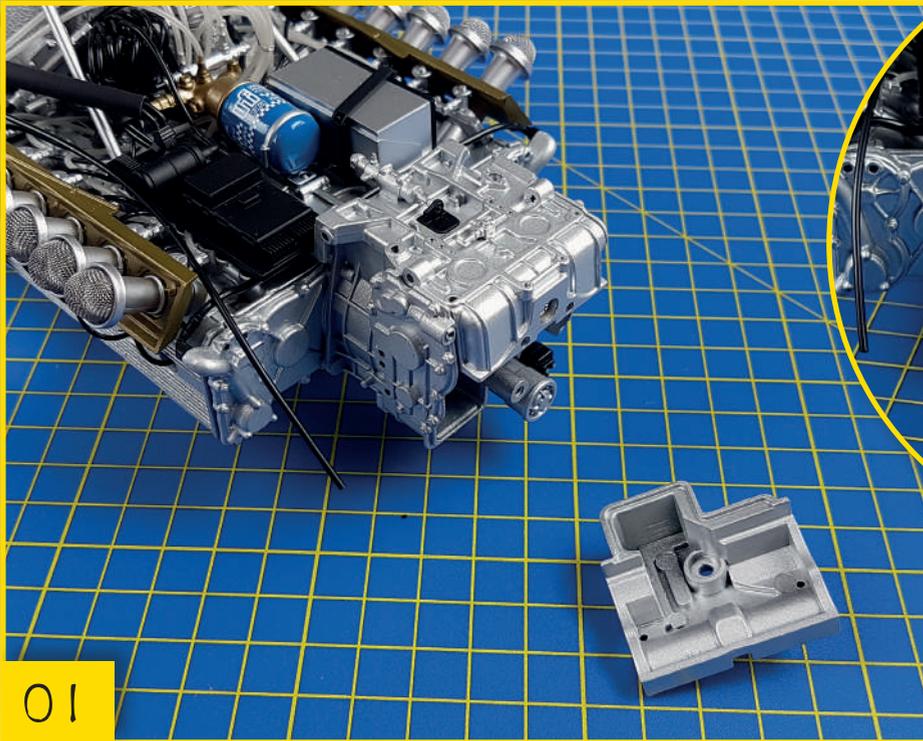
## LIST OF PARTS

- 1 Rear gearbox cover
- 2 Suspension support

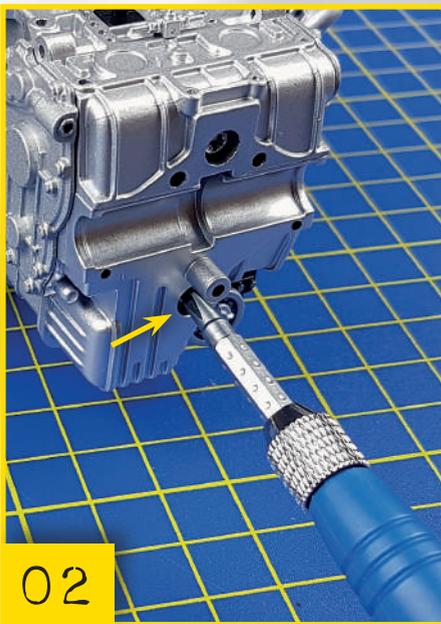
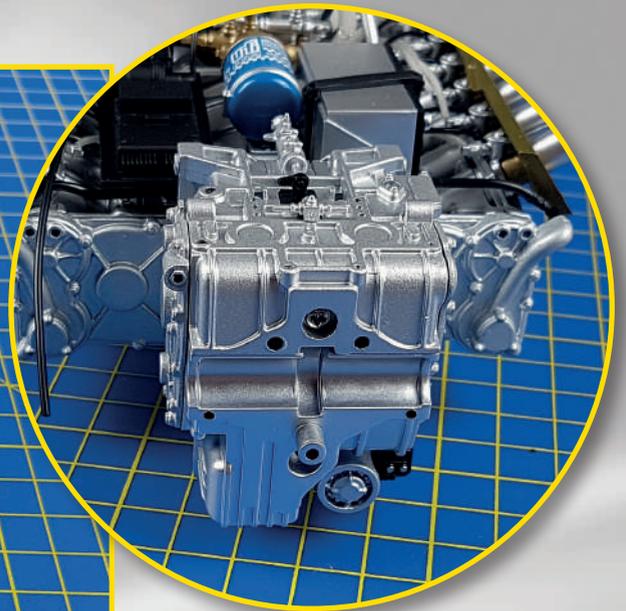
## SCREWS

- Two type N screws
- Two type P screws

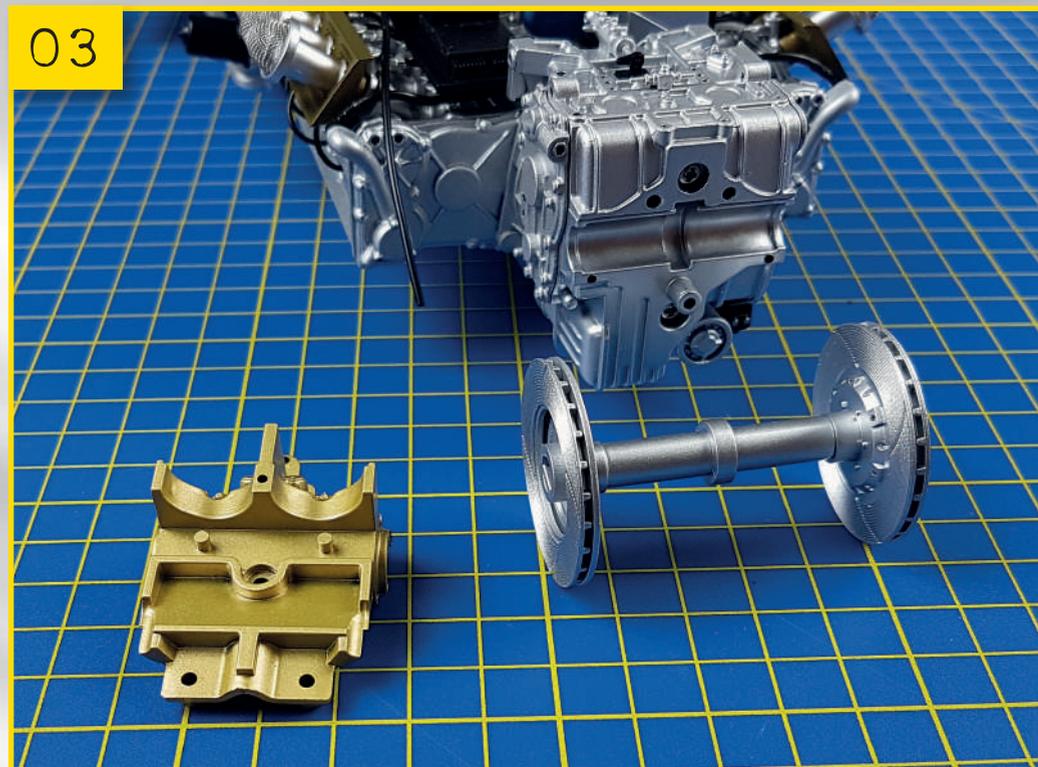




**64-01** Take the model and place the rear cover onto the gearbox, making sure that the edges meet perfectly.

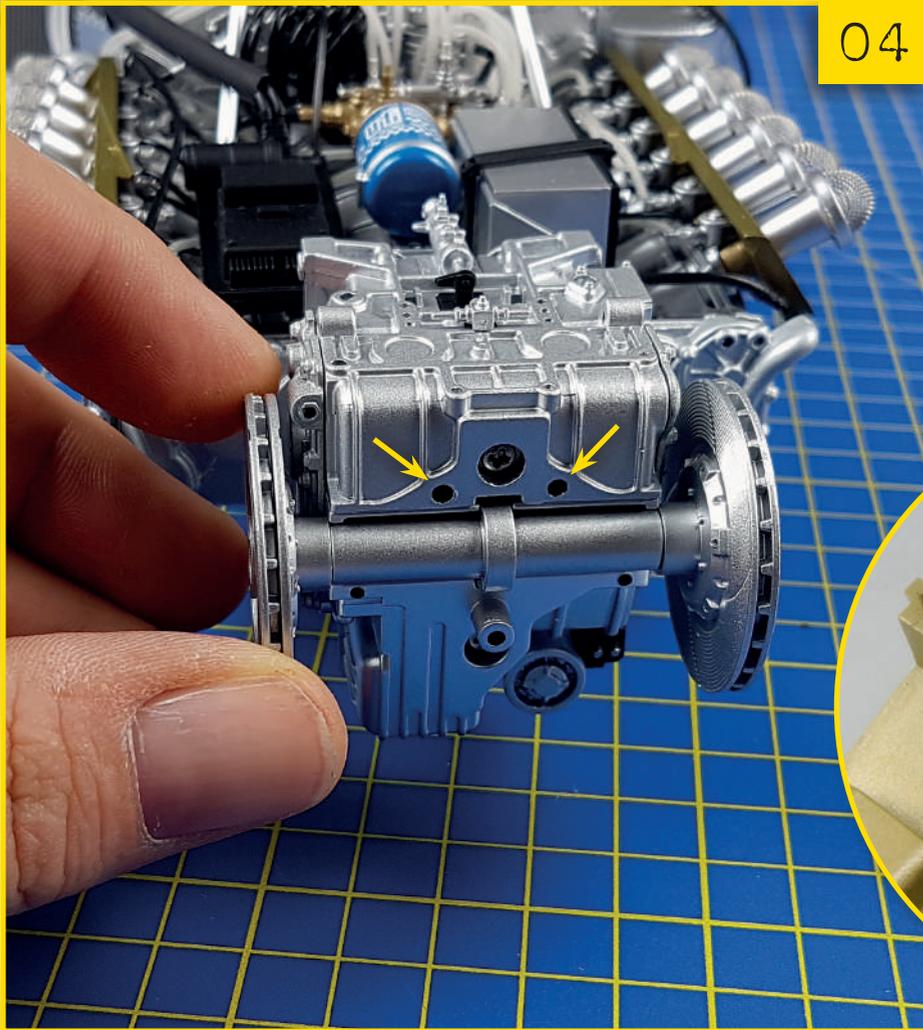


**64-02**  
To fasten the cover securely on the gearbox, fully tighten a type N screw into the hole shown in the image.



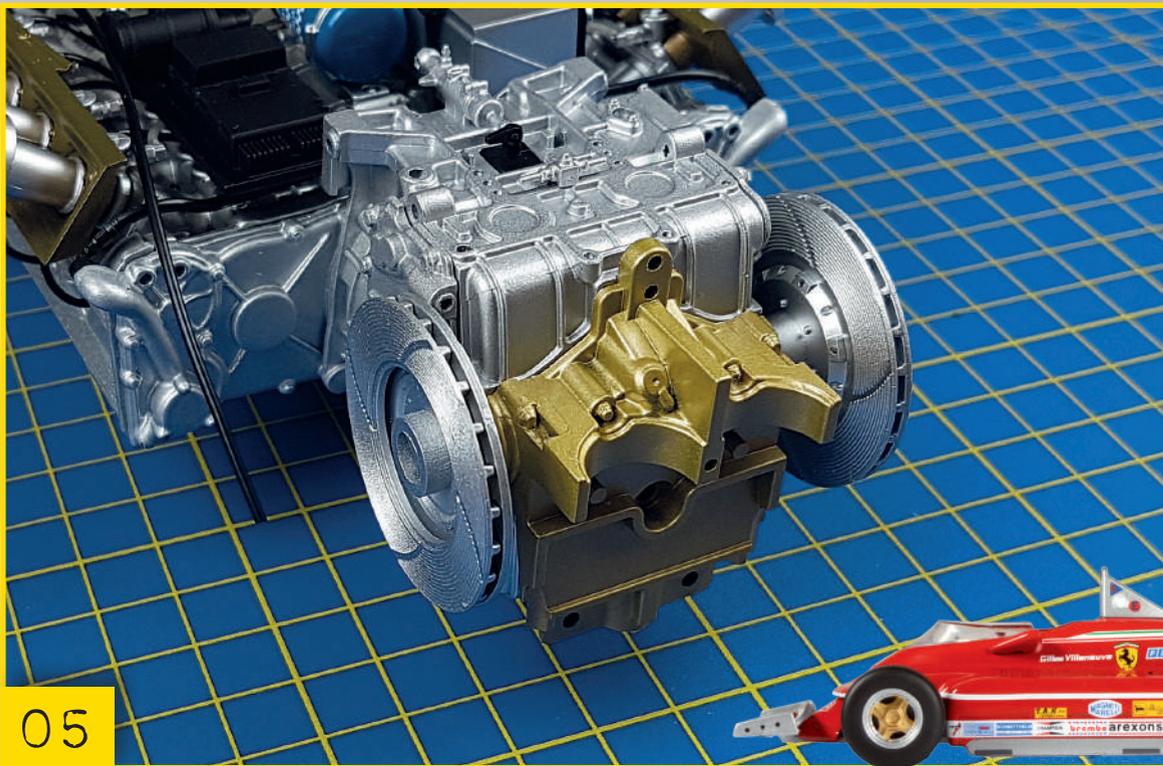
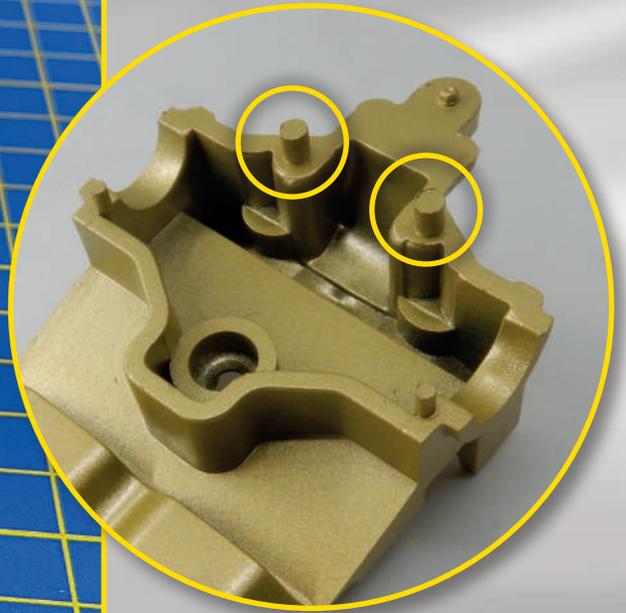
**64-03** Take the rear axle to which you have already fastened the two rear brake discs (stage 63) and the rear suspension support which you received with this stage.





04

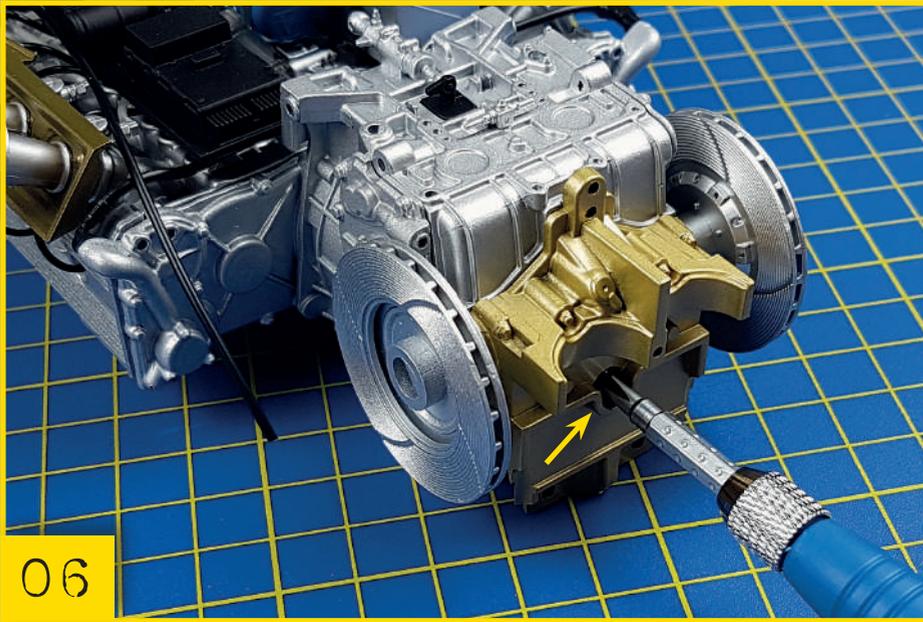
**64-04** Take the rear axle and place it onto the gearbox, in the seat on the rear cover. Keeping the axle in position, place the suspension support by inserting the two pins (inset, circled) into the holes on the cover of the gearbox, as shown by the two arrows in the photo.



05

**64-05**  
The support should look like this once in place over the axle.





**64-06** Secure the suspension support by driving a type P screw into the central hole, as shown in the image.

#### FINAL RESULT

You have fixed the gearbox cover, the rear axle and the suspension support to your 1:8 scale Ferrari 312 T4 model.



### In the next stage

The control linkage for the rear suspension torsion bar.



# REAR SUSPENSION LINKAGE

THE SUPPORT PLATE, LEVERS AND JOINTS WILL BE CONNECTED TO THE REAR SUSPENSION IN ORDER TO STABILISE THEM. FOLLOW THE INSTRUCTIONS TO FIT THEM TO YOUR MODEL.

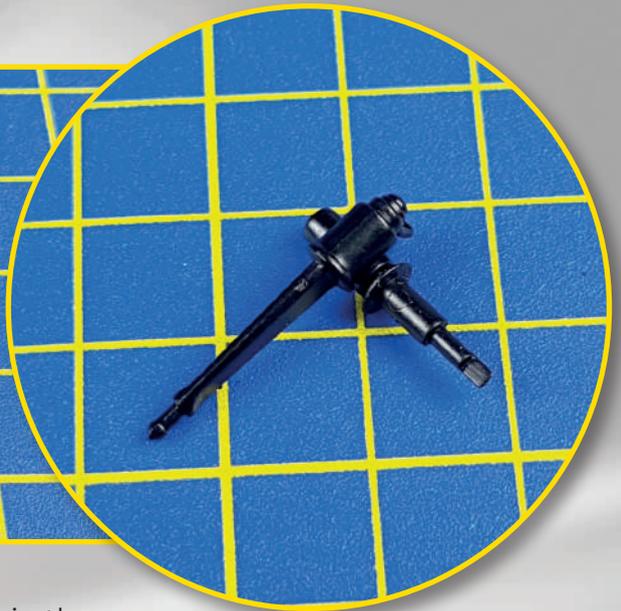


## LIST OF PARTS

- 1 Right linkage
- 2 Support plate
- 3 Left linkage
- 4 Tie-rod A
- 5 Tie-rod B
- 6 Central pin

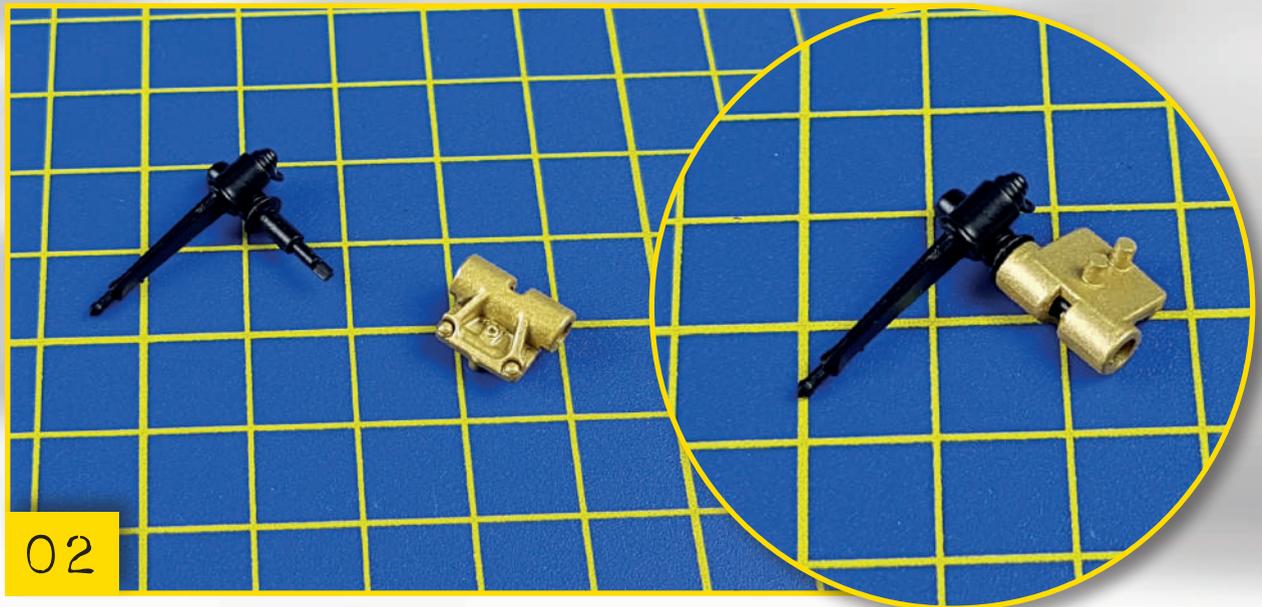


01

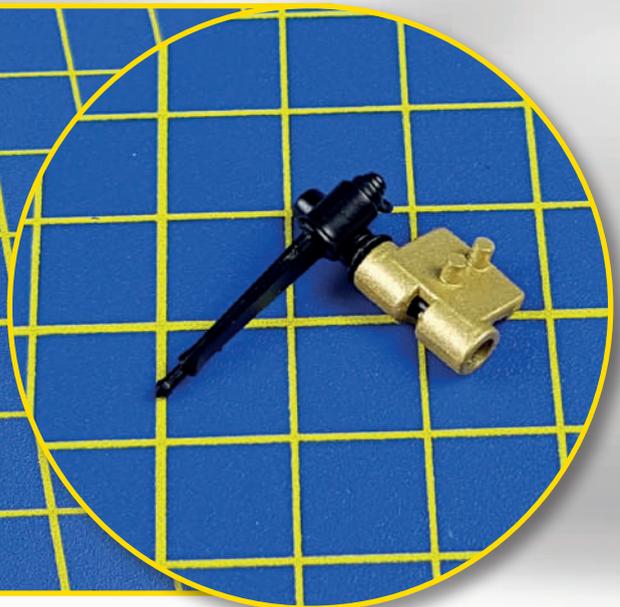


**65-01** Take the left linkage and join it to the central pin, pressing the shorter side of the central pin into the hole in the linkage. The end of the pin and the hole in the linkage have a semicircular section to guide the fitting correctly.

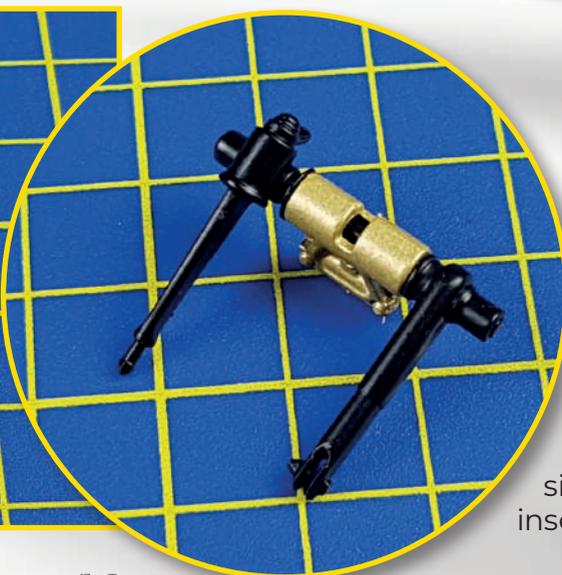
**65-02**  
Next fit the support plate onto the linkage assembly. Set the support plate with the two pins facing upwards and insert the pin on the left, as shown in the inset picture.



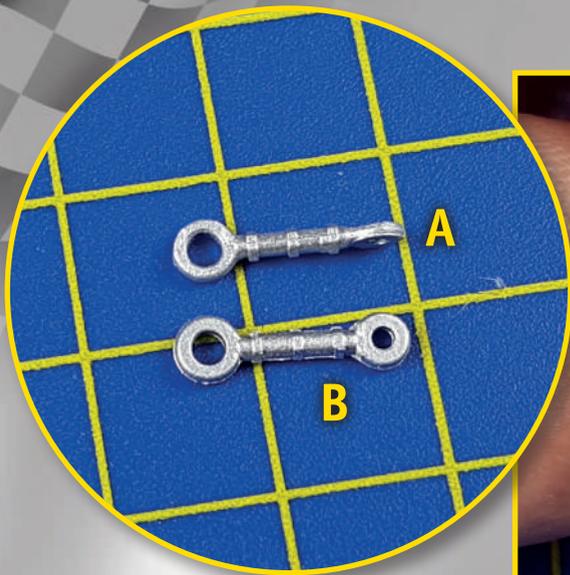
02



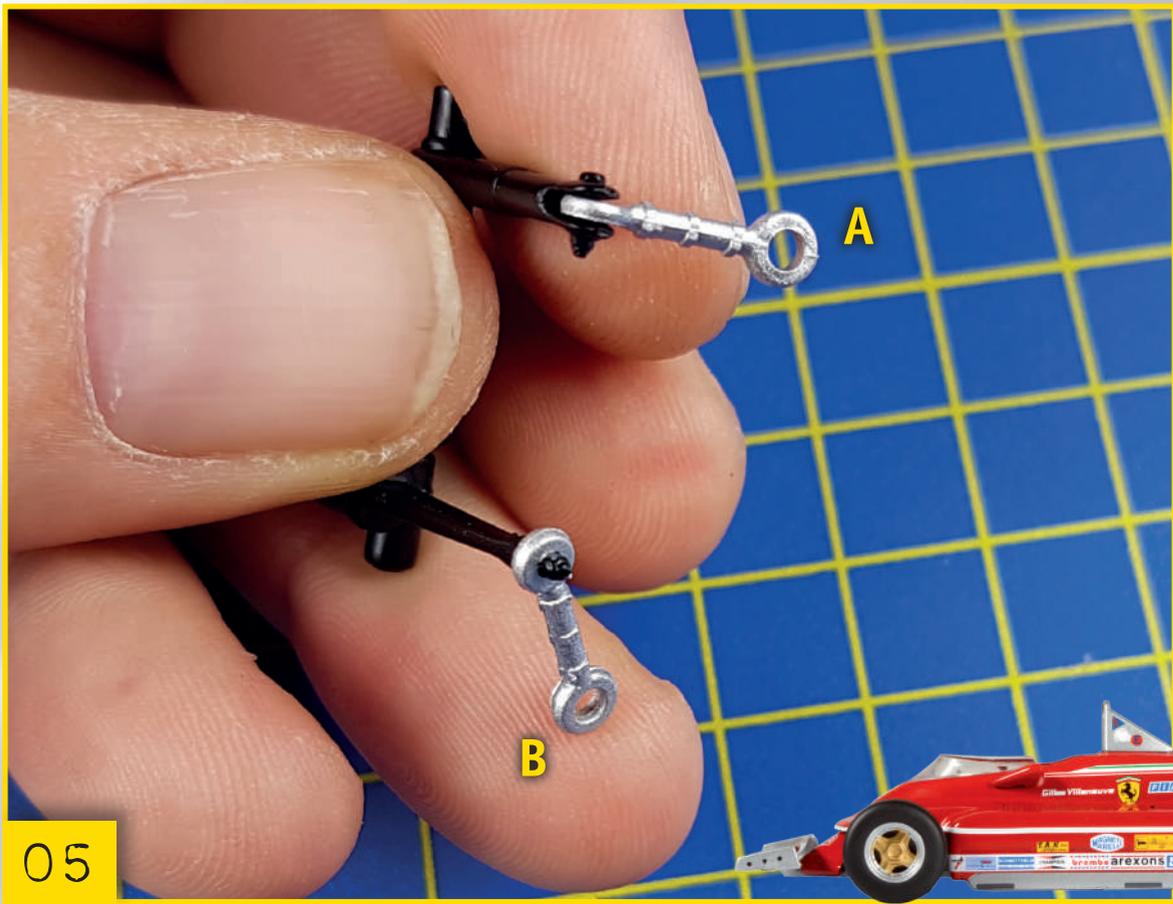
03



**65-03**  
Take the right linkage and join it to the support plate, pressing the semicircular pin into the hole on the right side, as shown in the inset picture.

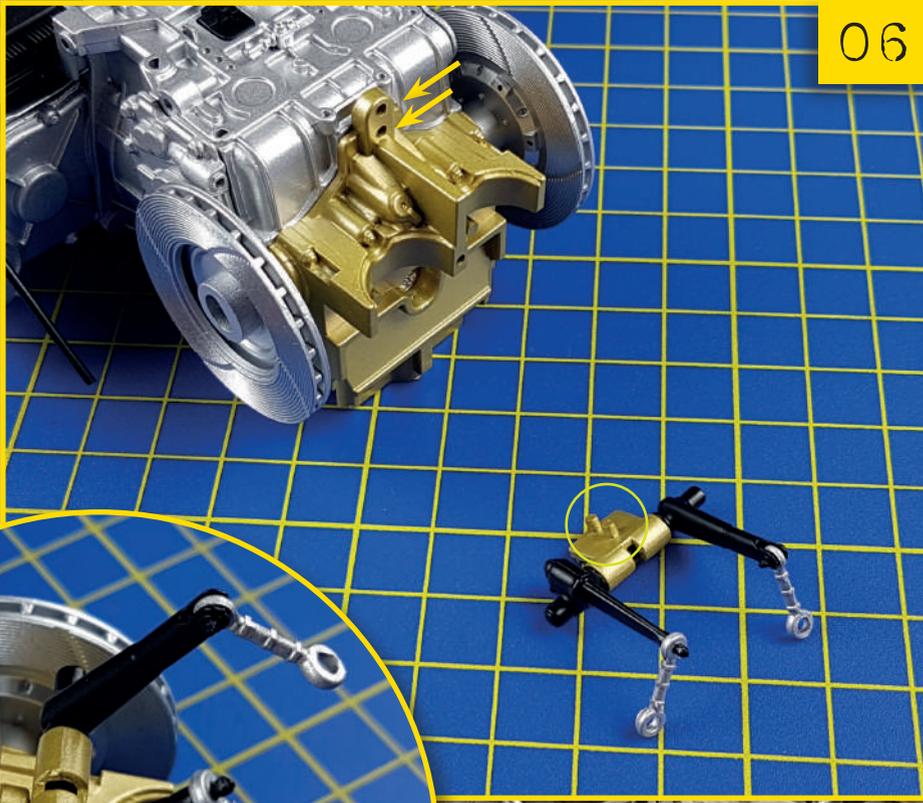


**65-04** Take the two tie-rods and fit the right side one (with two perpendicular eyelets, marked with the letter A) to the corresponding linkage, pressing the smaller eyelet into the forked end as shown in the main picture opposite.



**65-05** To fit the second tie-rod, marked with the letter B, press the smaller eyelet into the end of the left linkage.



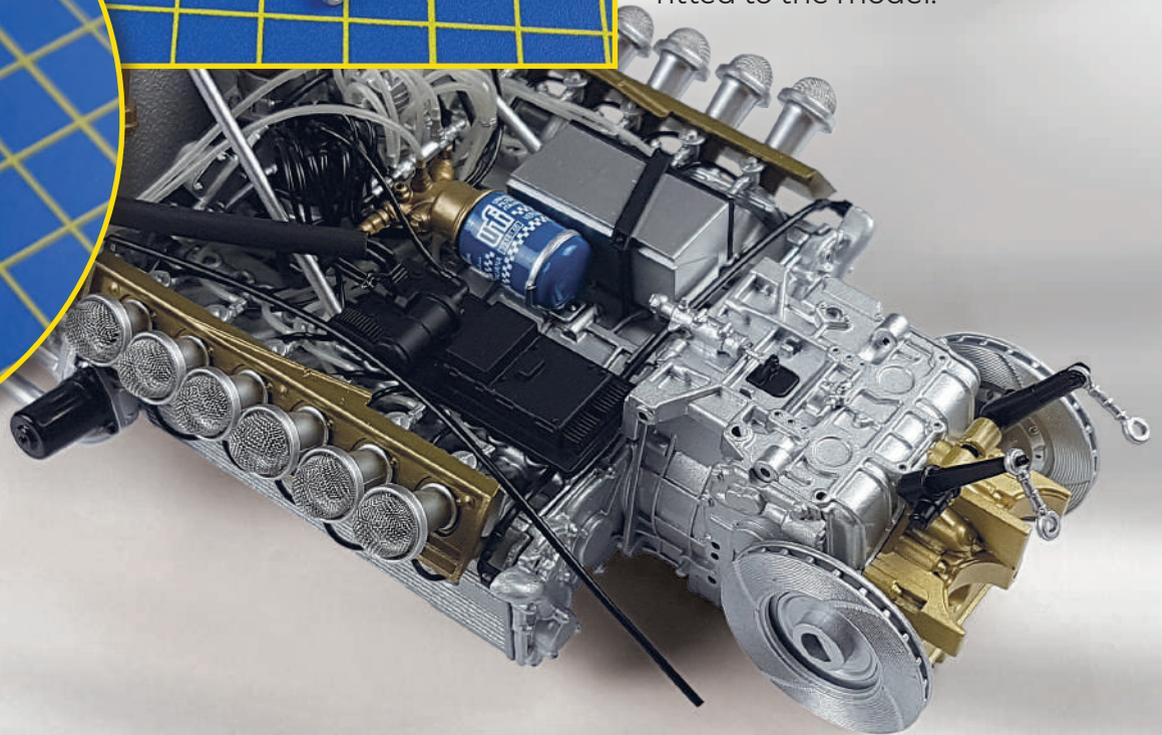


06

**65-06** Now fit the support plate with the two linkages on the model: press the two pins of the plate into the holes (circled) in the upper part of the suspension support, as shown by the two arrows in the photo. The inset photo shows the support plate fitted in place.

**FINAL RESULT**

The plate with the rear suspension linkages has been fitted to the model.



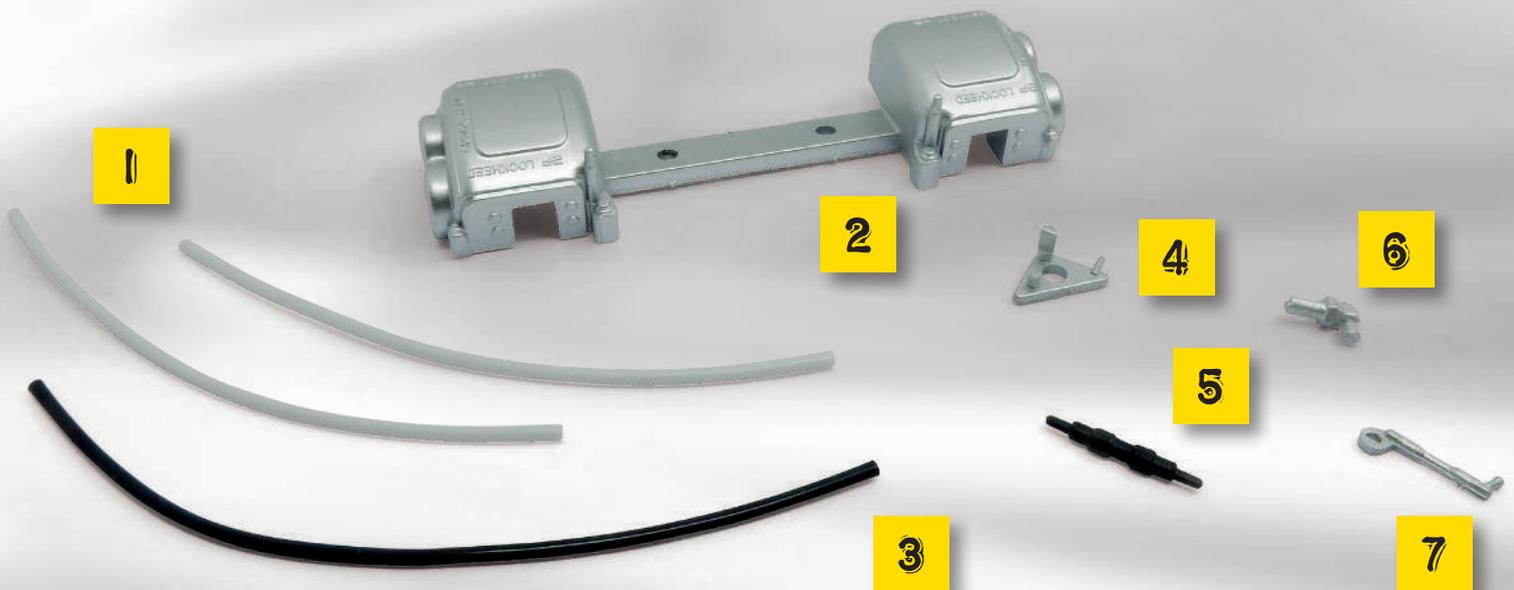
**In the next stage**

The rear brake callipers, plate and linkage of the rear suspension and the brake lines and gearbox oil line.



# REAR BRAKE CALLIPERS

WITH THE PARTS INCLUDED IN THIS STAGE, YOU CAN FIT THE REAR BRAKE CALLIPERS AND ELEMENTS OF THE MECHANISM CONTROLLING SUSPENSION STIFFENERS TO YOUR MODEL.

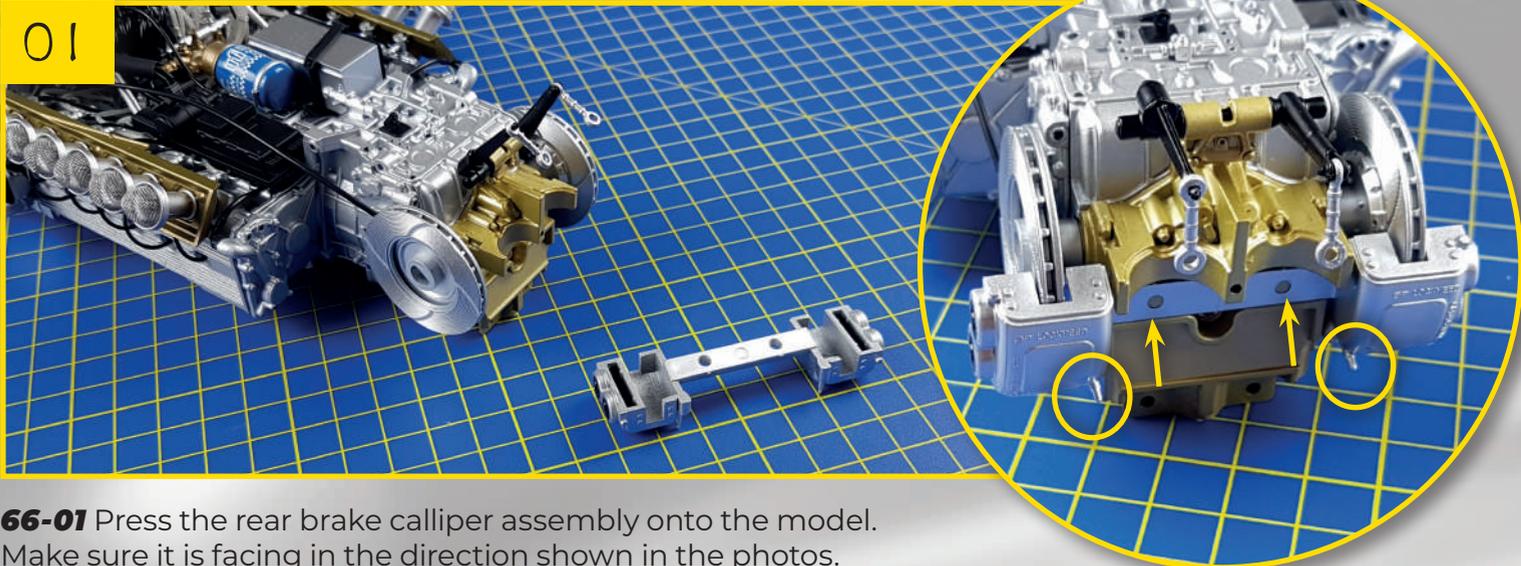


## LIST OF PARTS

- |   |                              |   |                      |
|---|------------------------------|---|----------------------|
| 1 | Rear brake lines             | 5 | Gearbox line fitting |
| 2 | Rear brake calliper assembly | 6 | Fitting              |
| 3 | Gearbox oil line             | 7 | Torsion bar lever    |
| 4 | Linkage plate                |   |                      |



01

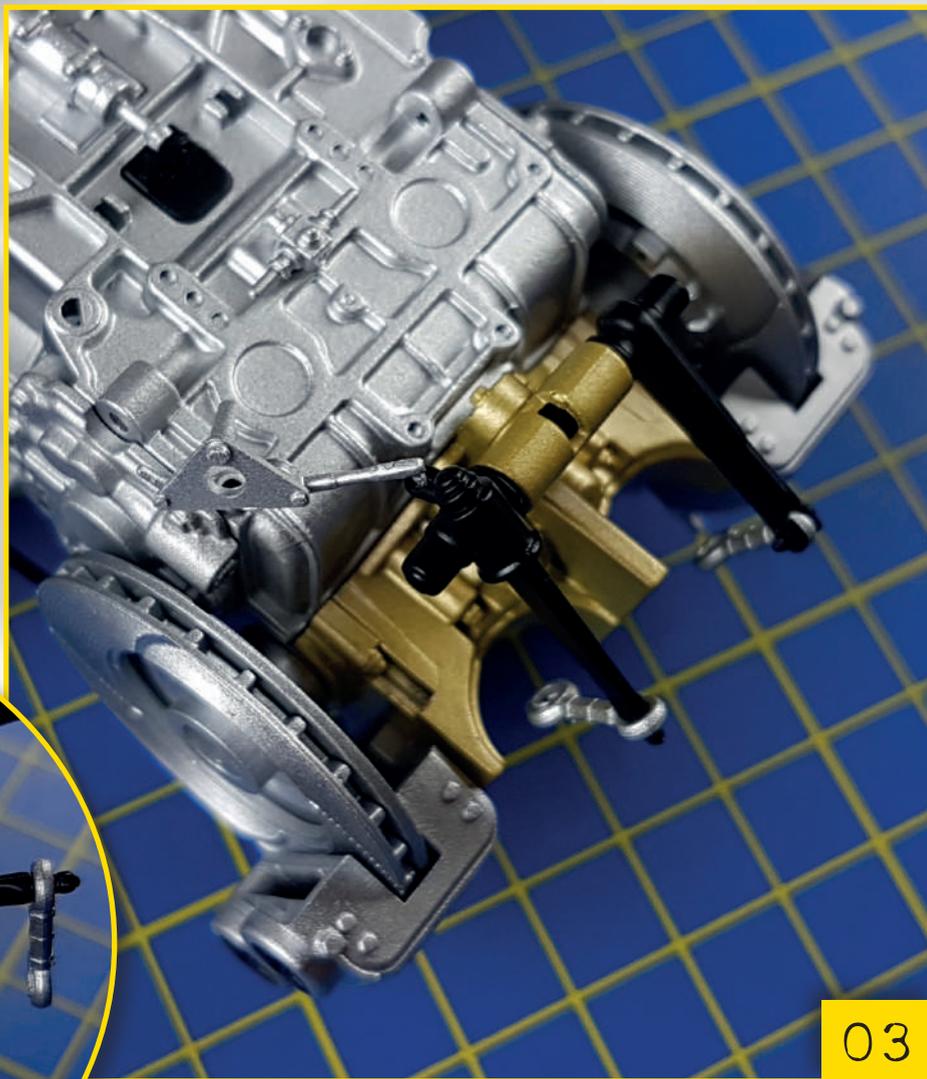


**66-01** Press the rear brake calliper assembly onto the model. Make sure it is facing in the direction shown in the photos.

02



**66-02** Join the linkage plate and the torsion bar lever, as in the photo. The semicircular shape of the joint means the piece will be facing the correct direction.



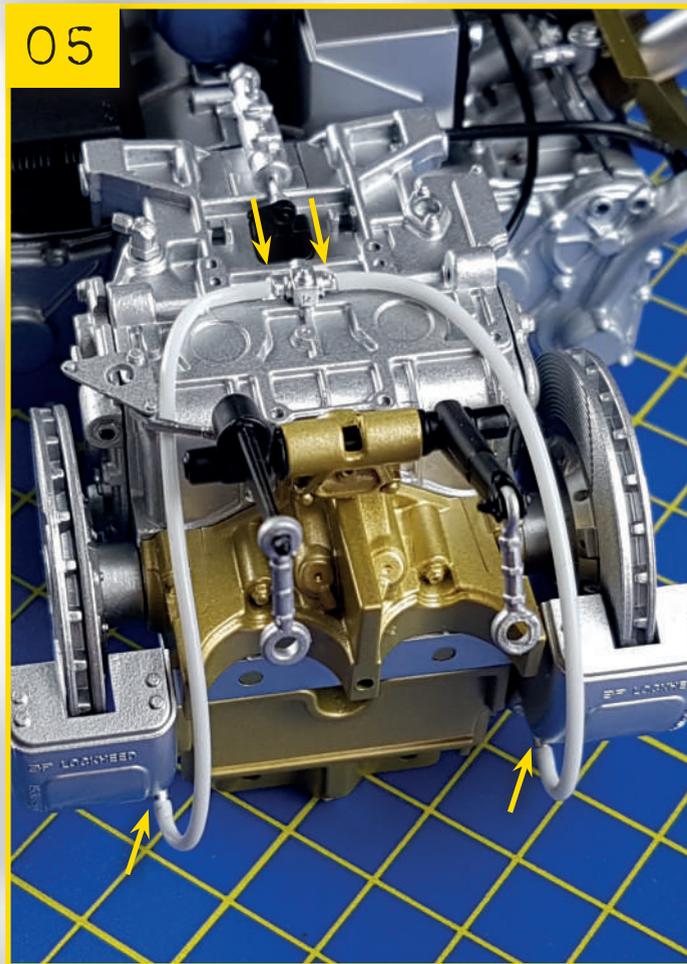
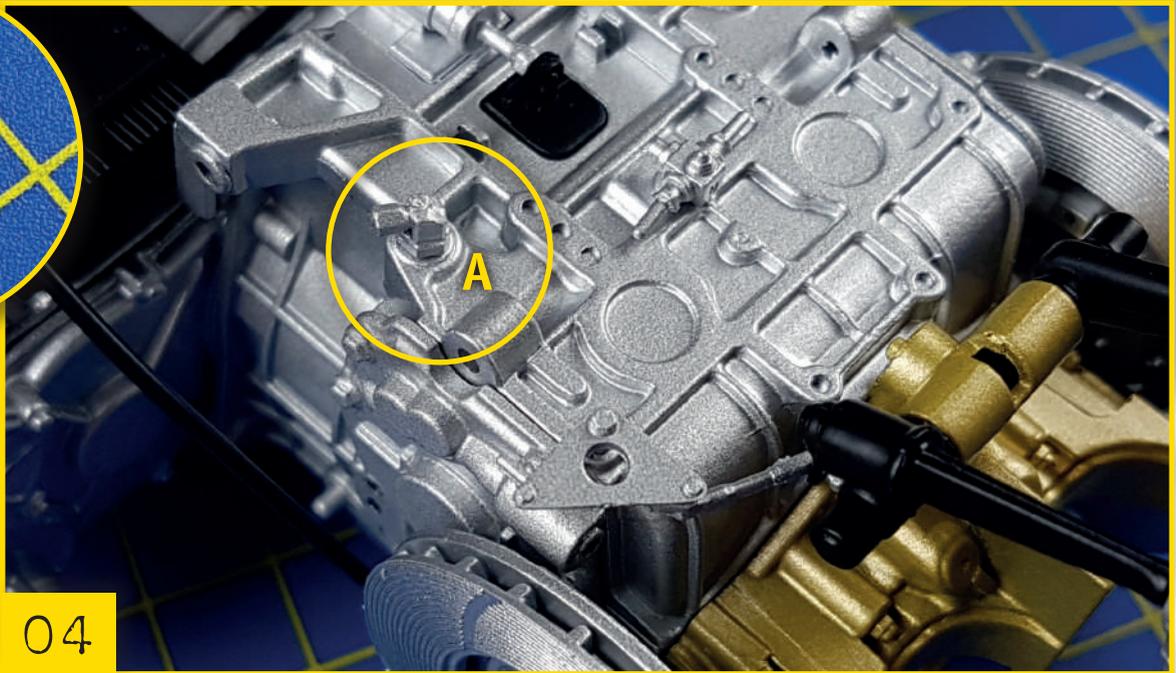
03

**66-03** Use the pin on the free end of the plate to join this assembly to the model. Now lift the linkages so that the lever pin with the semicircular section inserts into the corresponding hole in the gearbox.

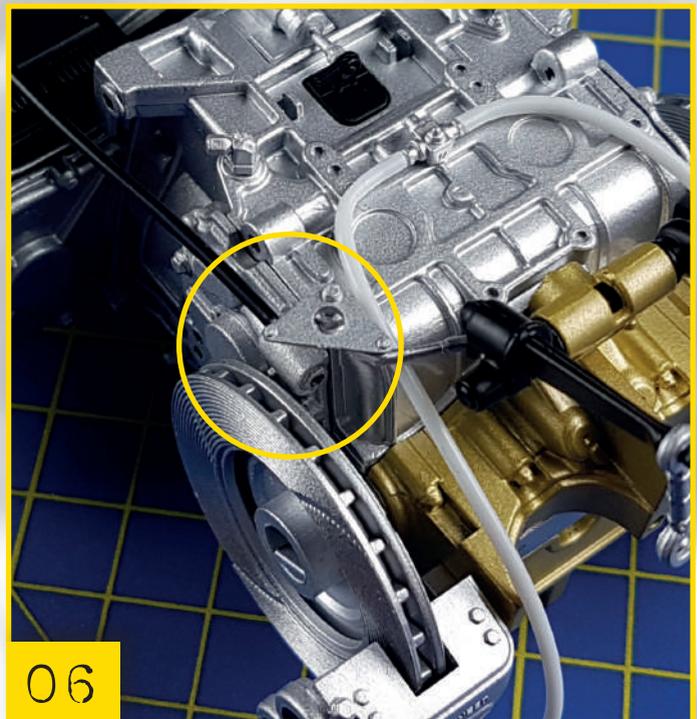




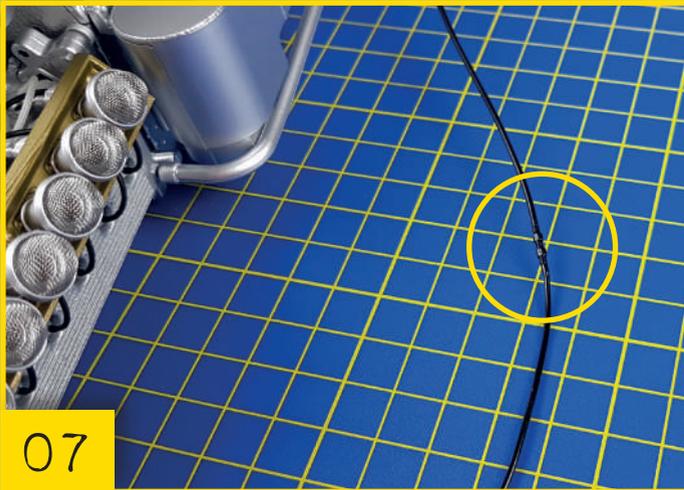
**66-04**  
Join the fitting to the gearbox using the semicircular pin (A in the photo).



**66-05** Assemble the two rear brake lines onto the model. The photo shows the coupling points and the route they need to follow.

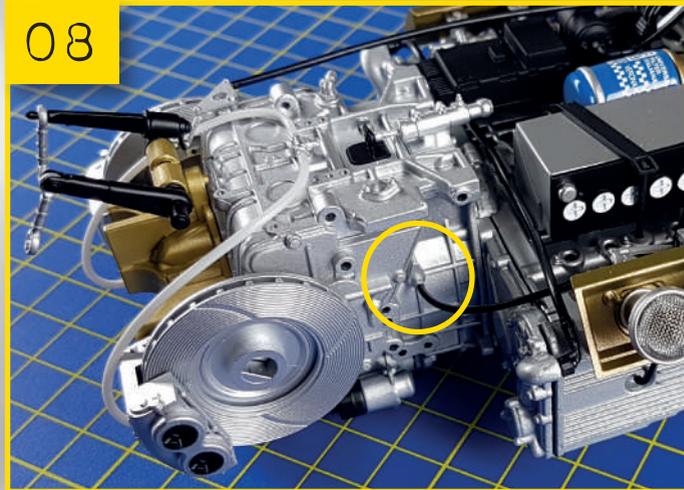


**66-06** Now connect the line from the left side of the vehicle to the fitting on the suspension.



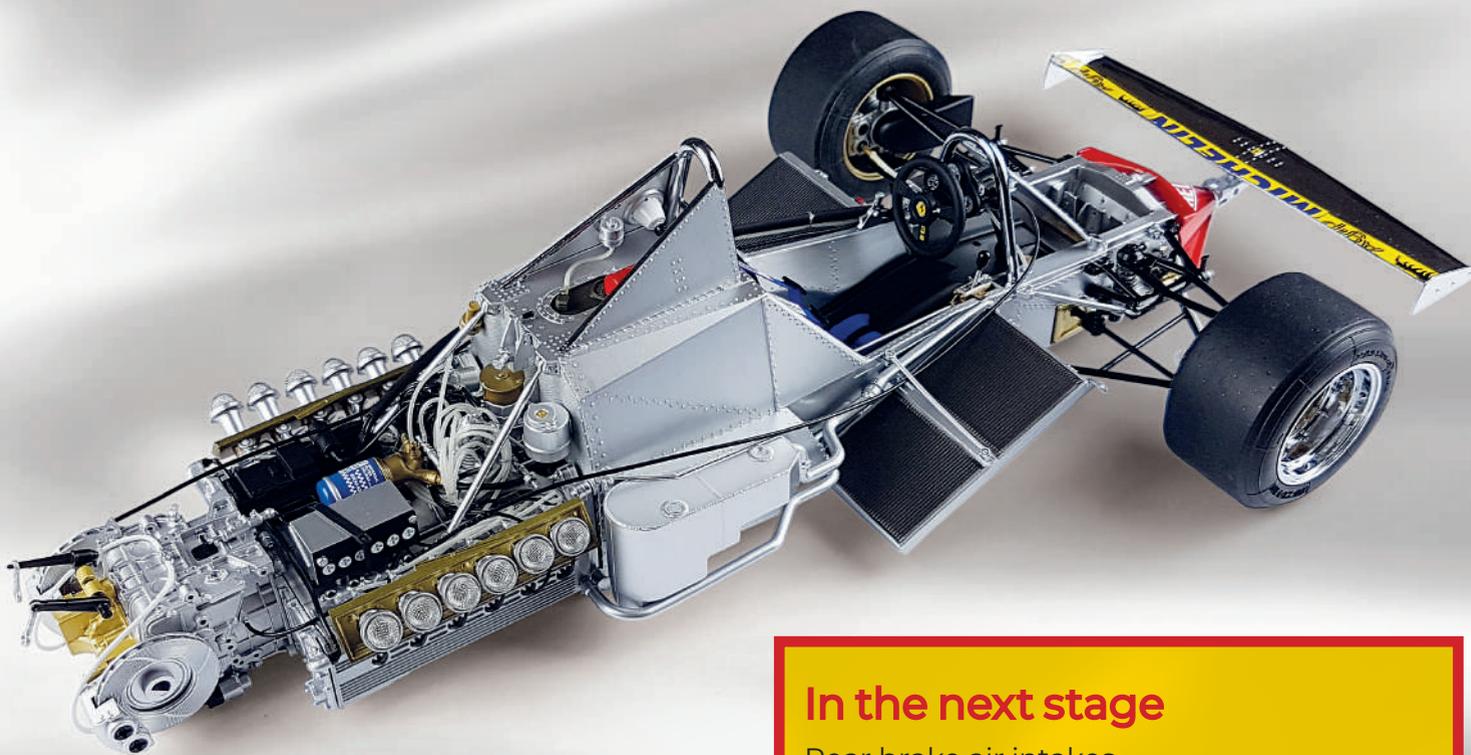
07

**66-07** Take the gearbox line fitting and the black line from the items provided. Use the fitting to join the black line to the line on the right side of the vehicle.



08

**66-08** After passing it over the top of the engine, connect the line to the fitting in front of the right rear brake.



**FINAL RESULT**

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

**In the next stage**

Rear brake air intakes.



# REAR BRAKE AIR INTAKES

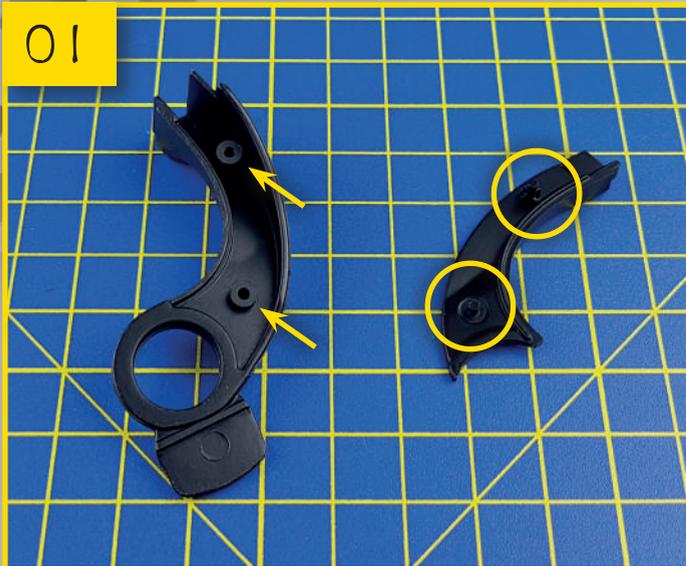
FOR THIS STAGE YOU'LL FIT THE REAR BRAKE AIR INTAKES TO YOUR FERRARI 312 T4.



## LIST OF PARTS

- 1 Right rear brake air intake (part B)
- 2 Left rear brake air intake (part B)
- 3 Right rear brake air intake (part A)
- 4 Left rear brake air intake (part A)





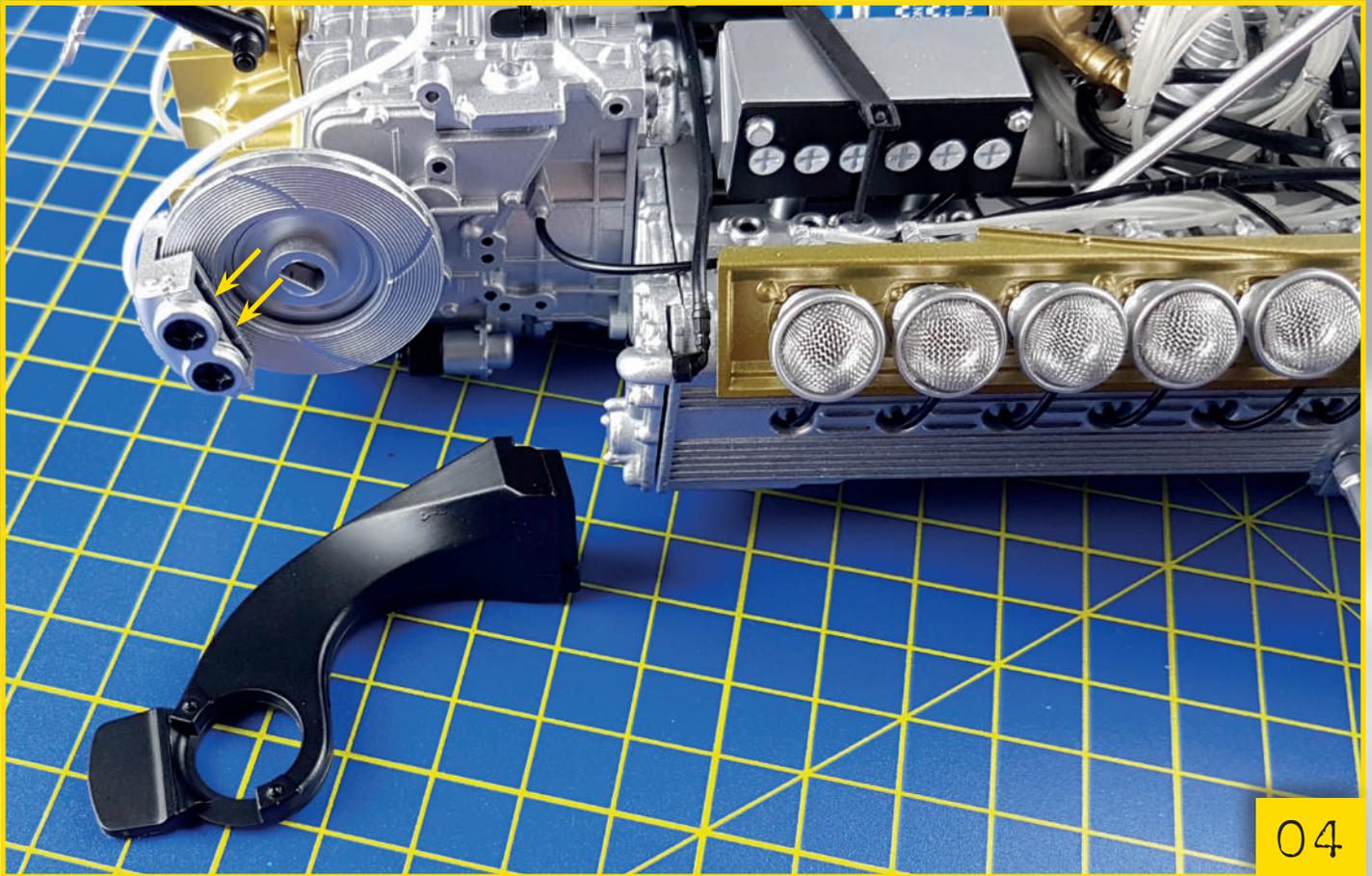
**67-01** Place the two parts of the right brake air intake together on your work surface. Note the connecting points that are highlighted in the image.



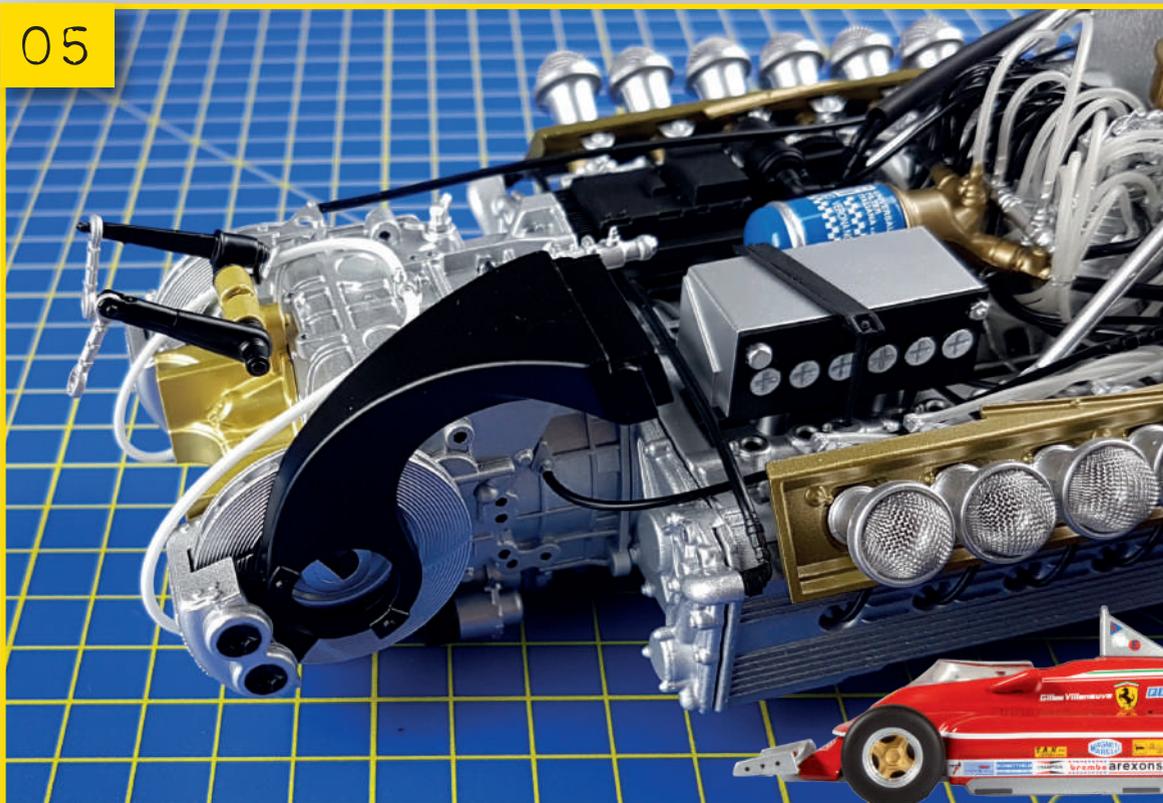
**67-02** Join the parts together and make sure that they are perfectly fitted around the whole outer edge.

**67-03** Complete the left rear brake air intake in the same way.



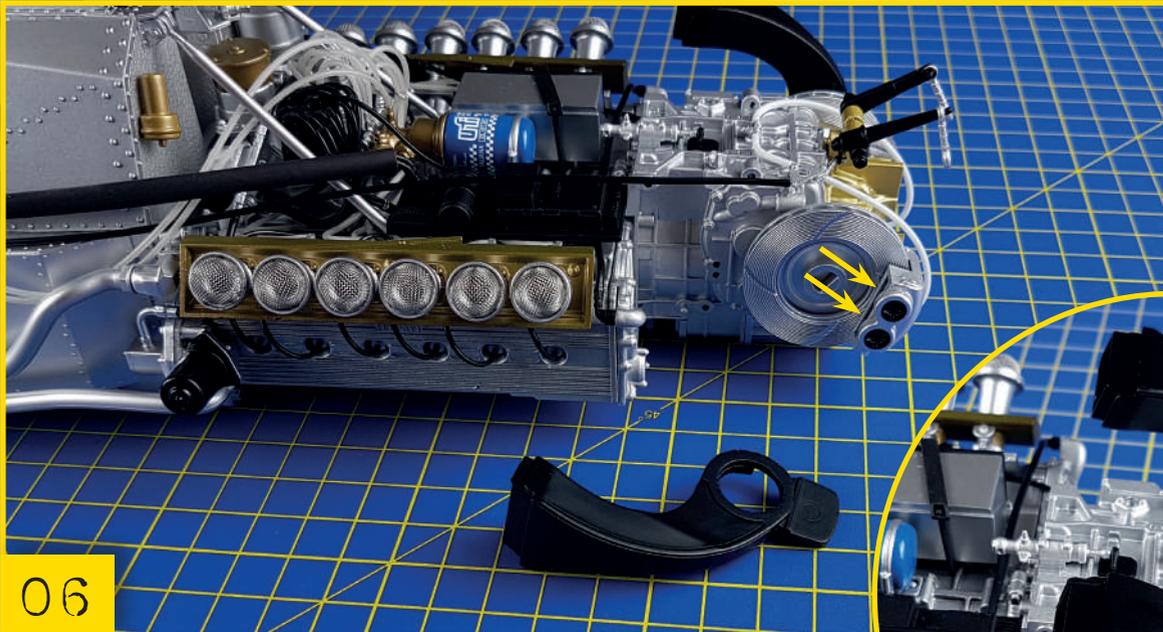


**67-04** The right rear brake calliper has a rectangular slot (marked with the arrows in the photo). Insert the flat projecting section of the air intake into this slot.



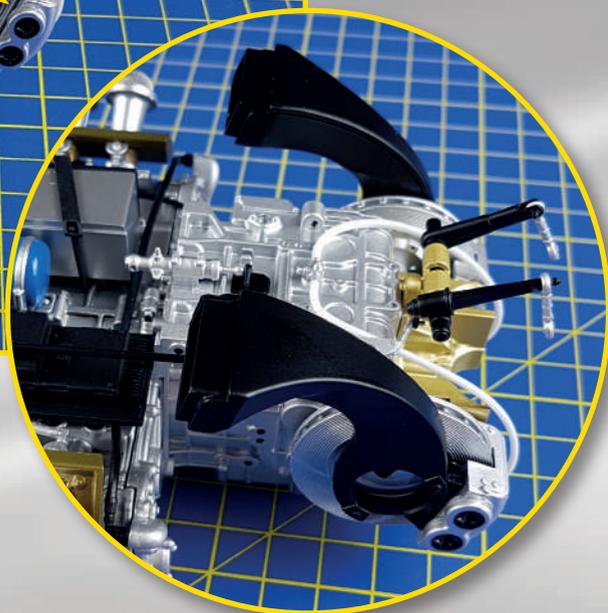
**67-05** Join the air intake to the brake calliper, as shown in the picture.





06

**67-06** Now fit the left rear brake air intake on your model, following the same steps as illustrated above.



#### FINAL RESULT

The rear brake system on your 1:8 scale Ferrari 312 T4 now has air intakes.



#### In the next stage

Oil radiator parts.



# GEARBOX OIL COOLER

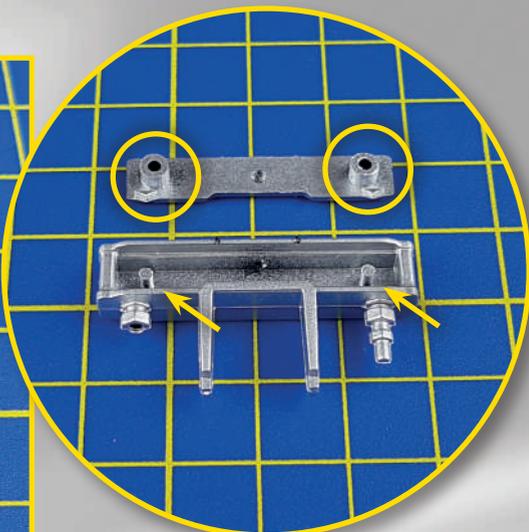
WITH THE PARTS INCLUDED IN STAGE 68, YOU CAN BUILD THE GEARBOX OIL COOLER, COMPLETE WITH LINES TO REPRODUCE THE OIL CIRCUIT. JUST FOLLOW THE INSTRUCTIONS AND THE ACCOMPANYING IMAGES.



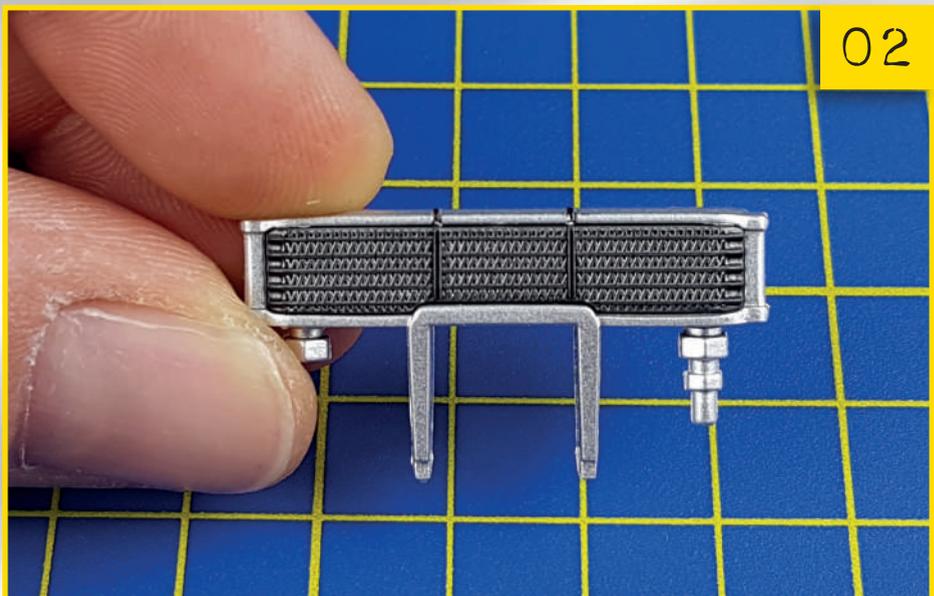
## LIST OF PARTS

- |   |                  |   |                         |
|---|------------------|---|-------------------------|
| 1 | Oil cooler       | 5 | Rear oil cooler section |
| 2 | Long L fitting   | 6 | Line (70 mm)            |
| 3 | Short L fitting  | 7 | Line (40 mm)            |
| 4 | Straight fitting |   |                         |

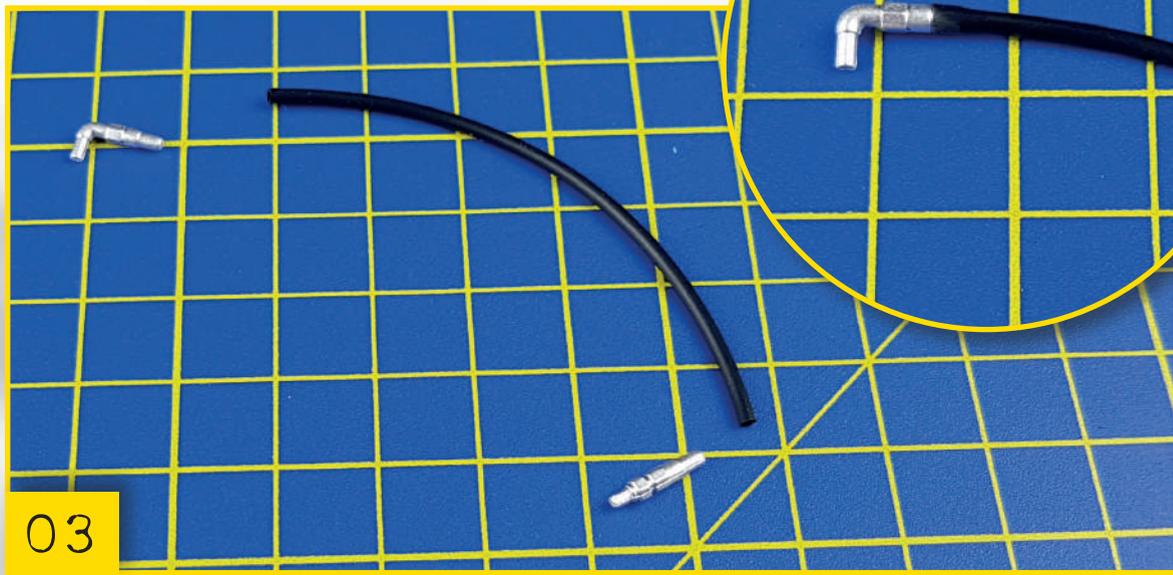
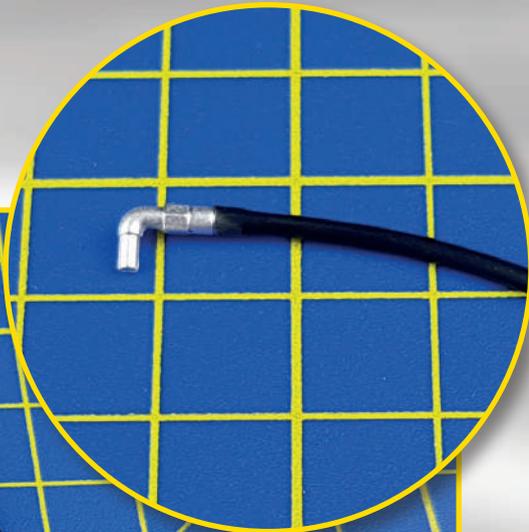




**68-01** Set out the two oil cooler parts on your work surface as shown. The connectors used to join the two parts are highlighted in the inset photo.



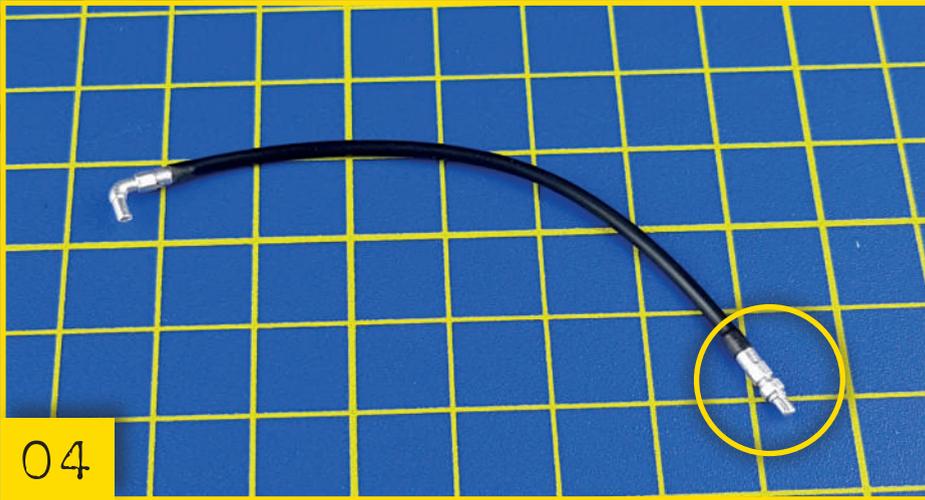
**68-02** Join the main structure of the oil cooler and the rear section, making sure they match together perfectly.



**68-03** Take the 70 mm line, the long L fitting and the straight fitting. Join one of the ends of the line to the L fitting, as shown in the image.

03





04

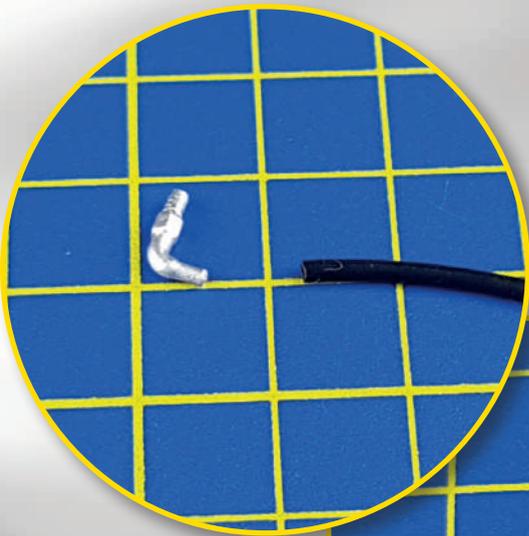
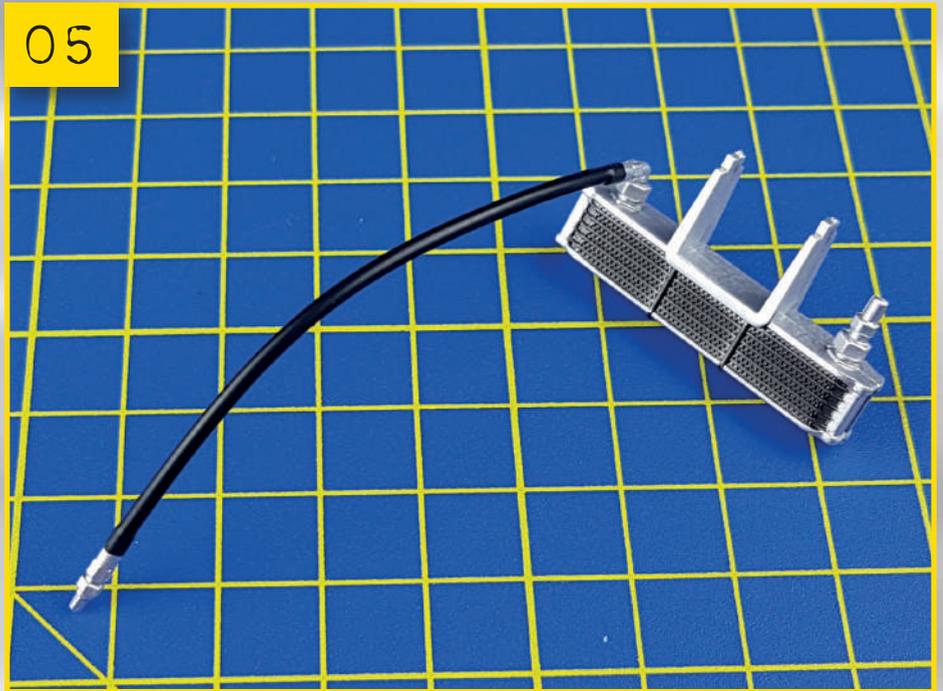
**68-04**

The other end of the line is for the straight fitting. To make it easier to connect the line with the fittings, you can rotate the parts as you insert them.

**68-05**

Use the L fitting and join the line you prepared to the oil cooler.

05



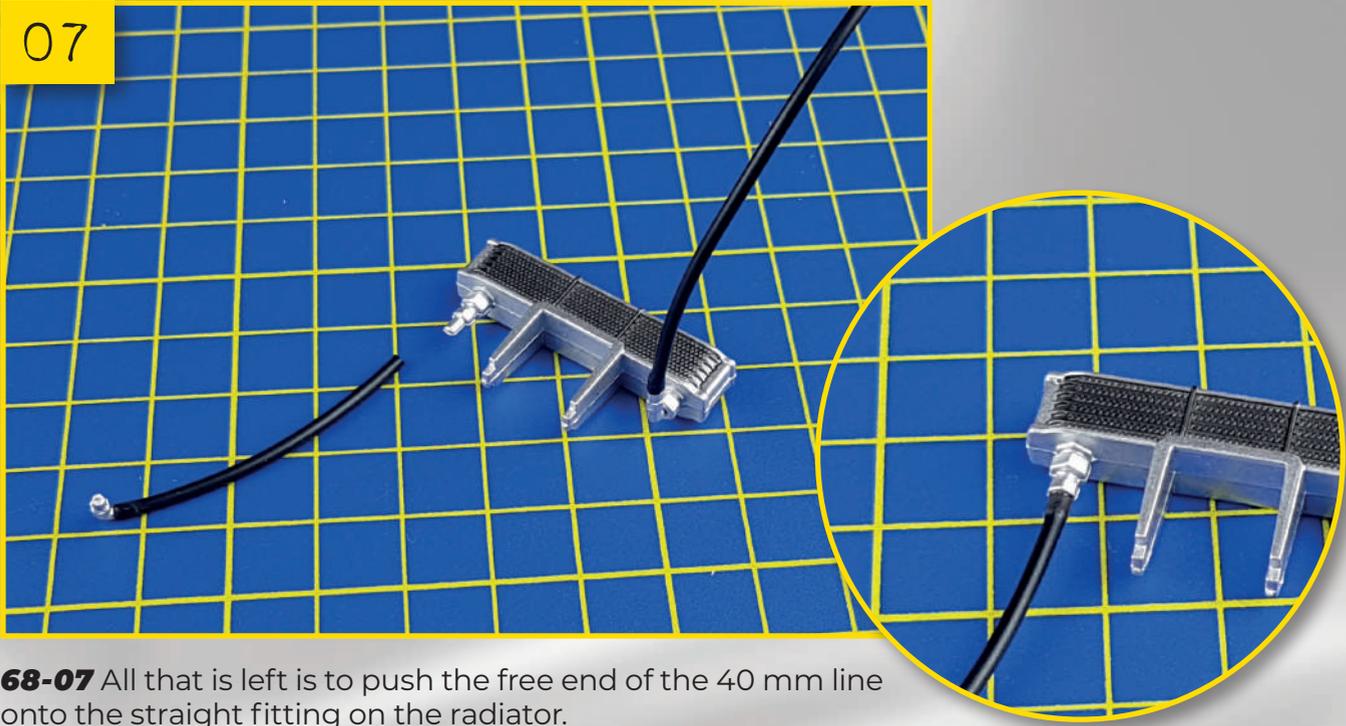
06

**68-06**

Insert the small L fitting into one end of the shorter 40 mm line as shown.



07



**68-07** All that is left is to push the free end of the 40 mm line onto the straight fitting on the radiator.

#### FINAL RESULT

The oil cooler has been assembled. Make sure it has been completed correctly, and if necessary, make any corrections.



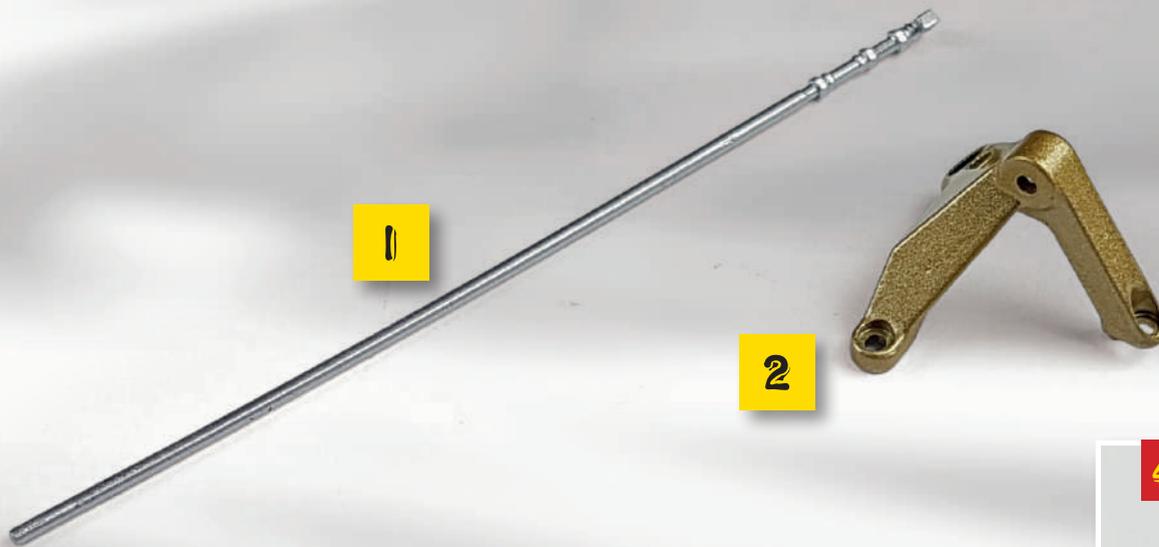
#### In the next stage

The left rear suspension triangle and the gear connecting rod.



# LEFT SUSPENSION STRUT SUPPORTS

THE PARTS FOR THE REAR LEFT SUSPENSION AND GEAR CONNECTING ROD INCLUDED IN THIS STAGE WILL BE USED IN A FUTURE ASSEMBLY. FOR NOW, YOU'LL FOCUS ON INSTALLING THE OIL COOLER THAT YOU BUILT DURING THE LAST STAGE.



4 type G screws



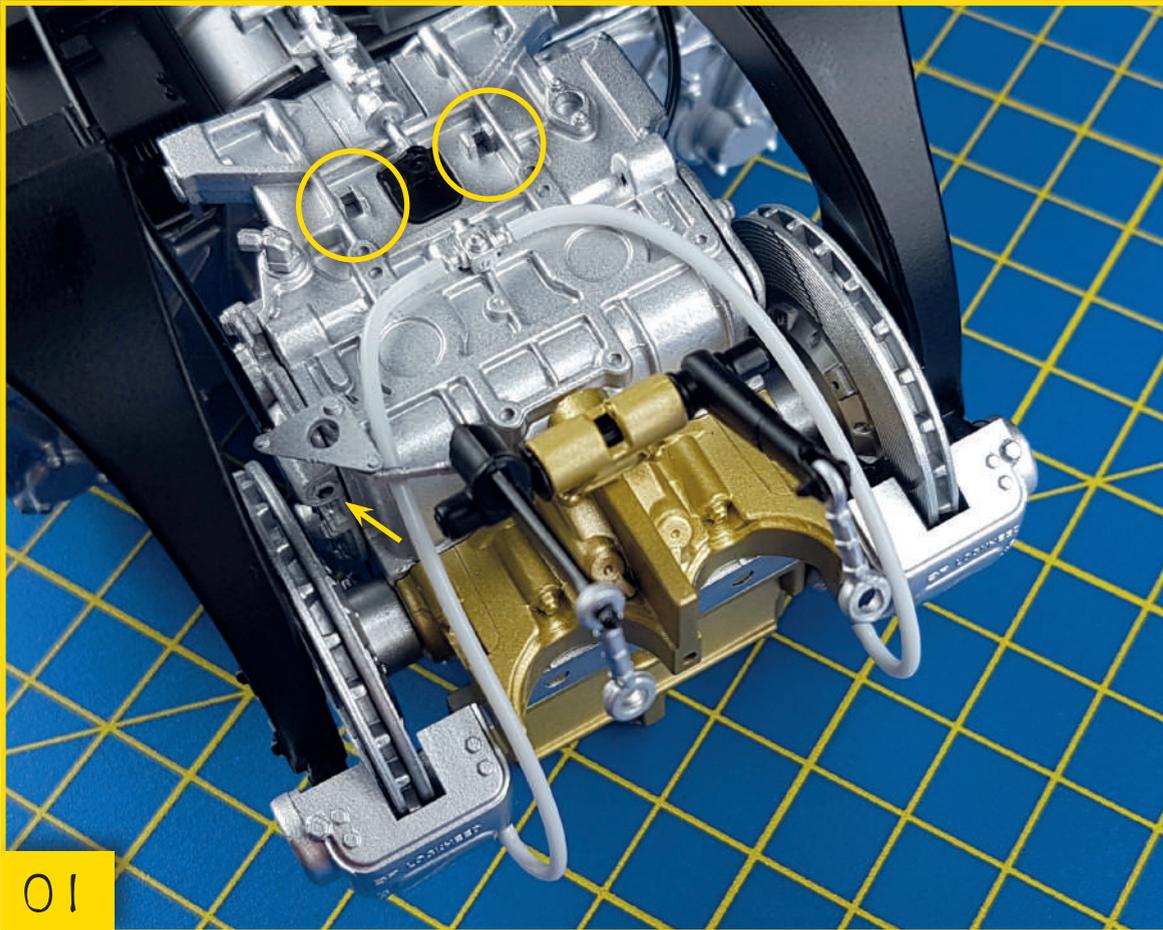
## LIST OF PARTS

- 1 Gear connecting rod
- 2 Left suspension triangle

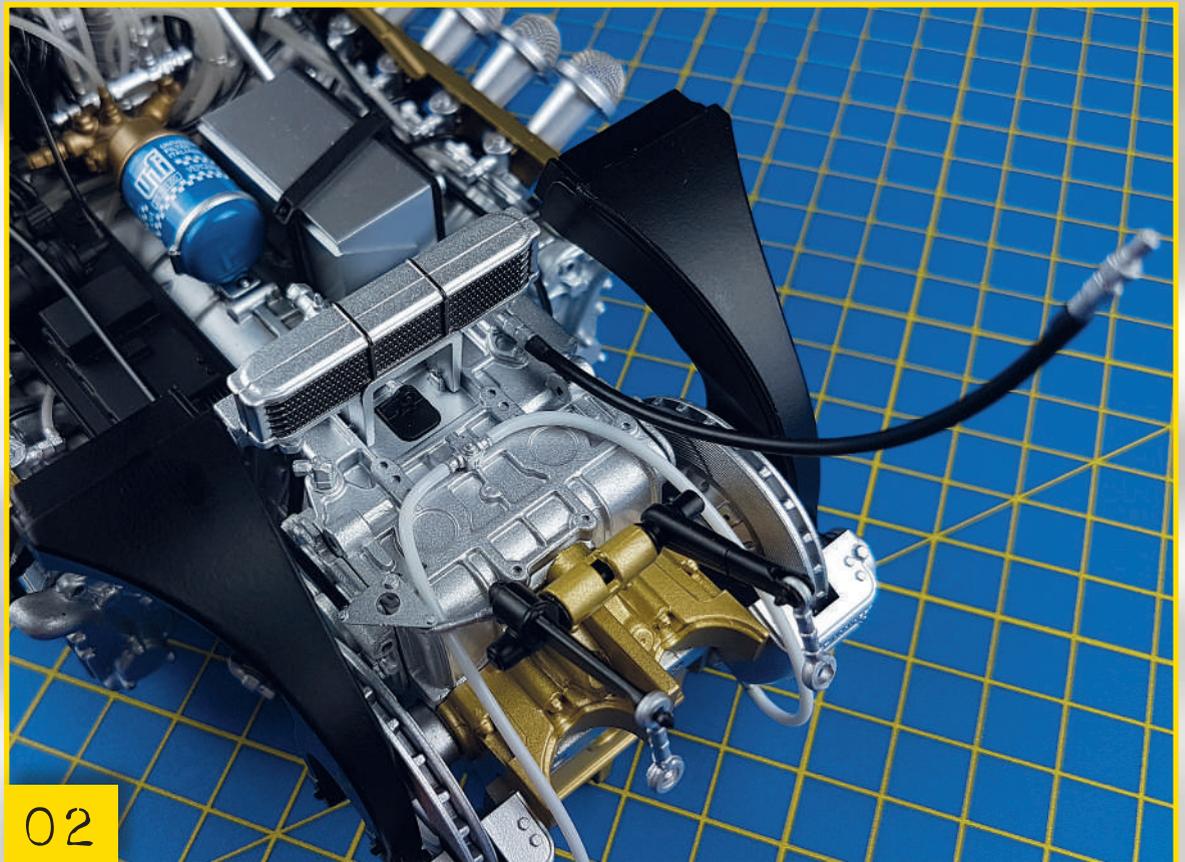
## SCREWS

Four type G screws

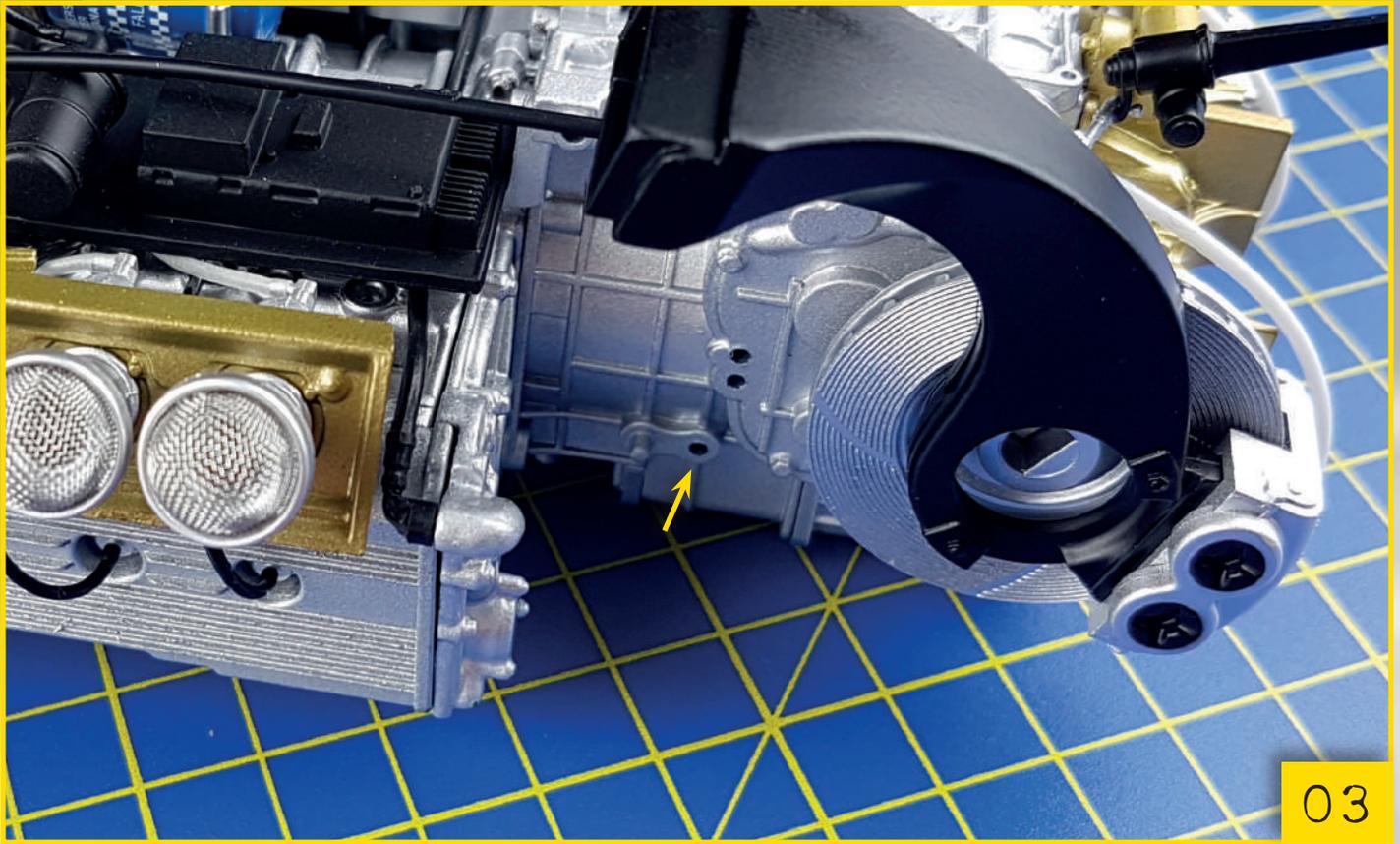




**69-01**  
 The two holes for inserting the gearbox oil cooler assembly pins are highlighted with two yellow circles. The yellow arrow shows the hole for fitting the 70 mm line

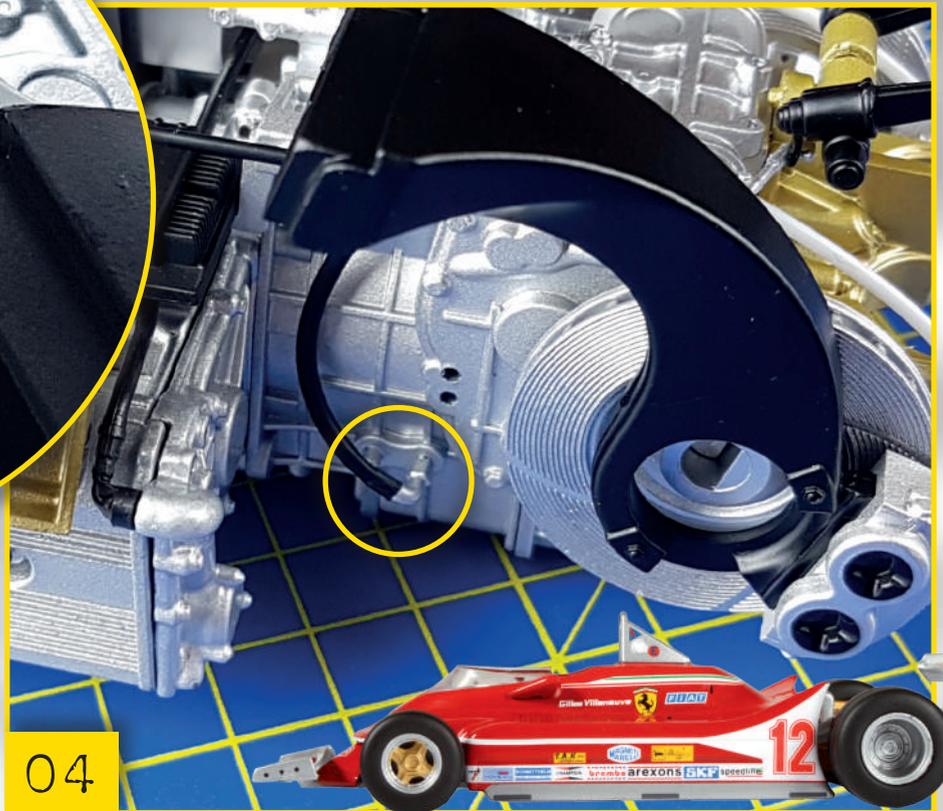
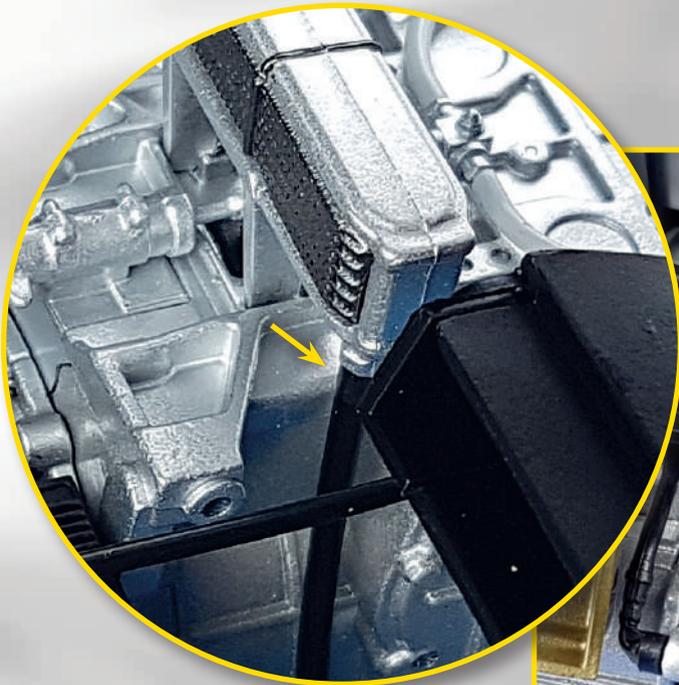


**69-02** Press the gearbox oil cooler onto the model. The 70 mm line must be on the right of the model, as shown.



03

**69-03** This image shows you exactly where the hole is for inserting the 40 mm line fitting.



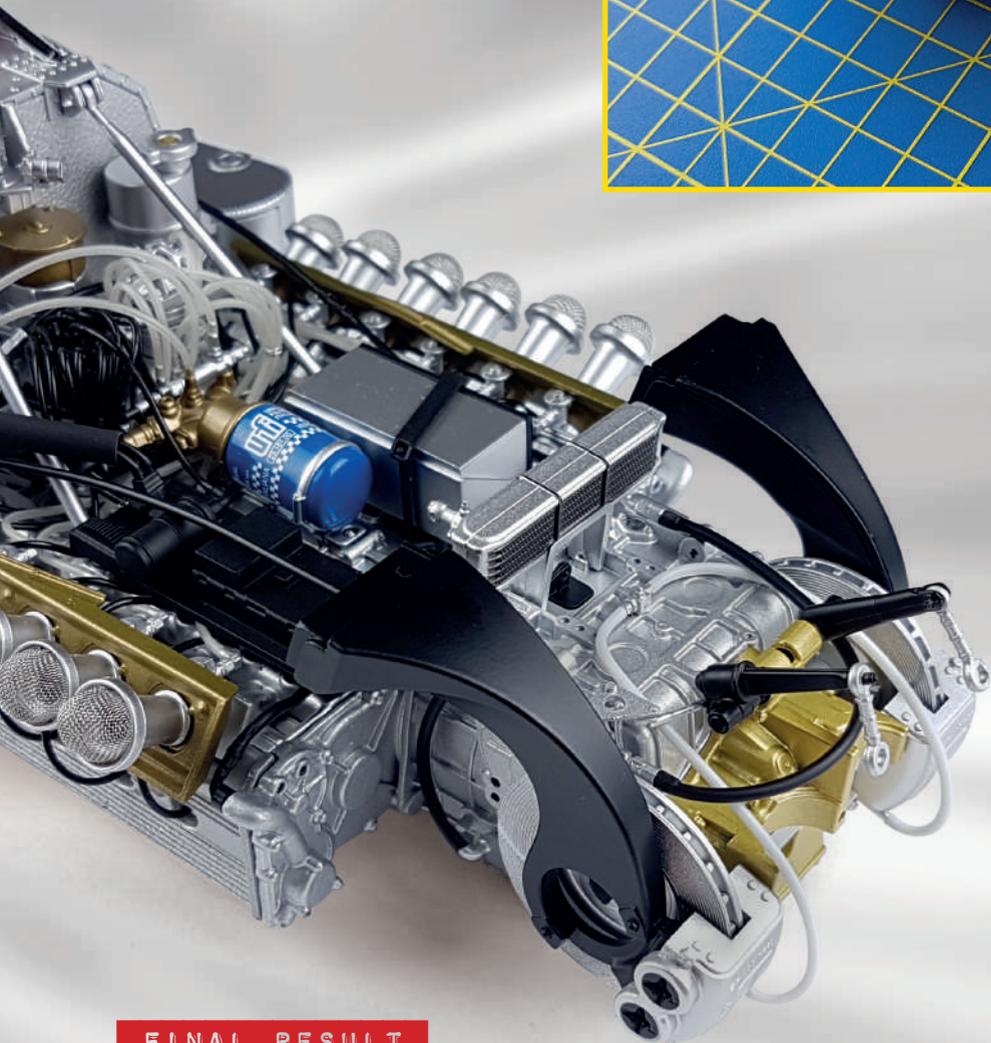
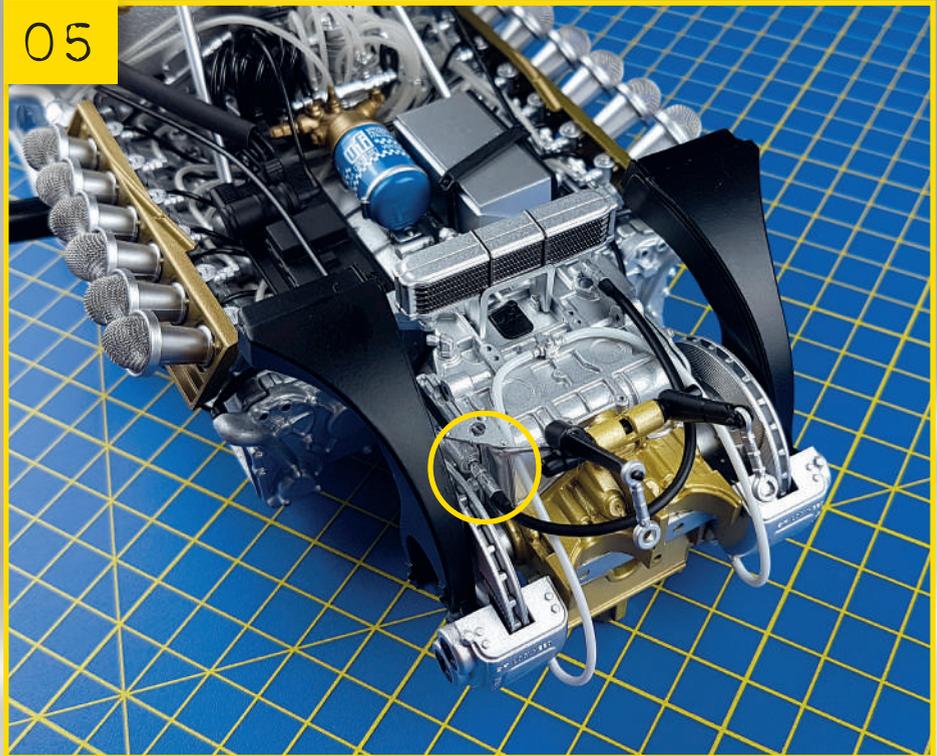
04

**69-04**

Pass the 40 mm line between the gearbox and the line from the stabiliser bar plate. Then insert the fitting into the hole identified in the previous step.

### 69-05

Pass the 70 mm line under the lever of the stabiliser bar and insert the fitting in the hole (circled). Check the arrow in the image from step 69-01.



### FINAL RESULT

Now you have installed the gearbox oil cooler and completed the hydraulic circuit on your 1:8 scale Ferrari 312 T4. Carefully put the model to one side for the next stage in its assembly.

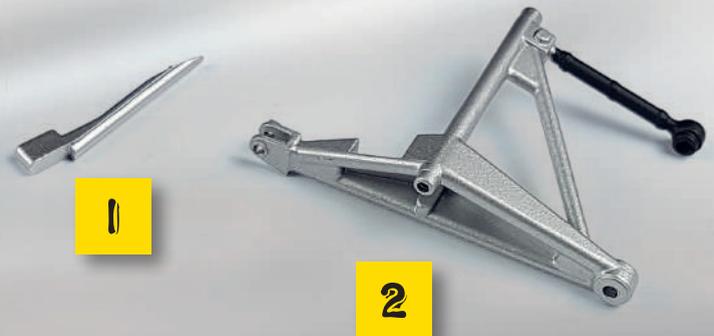
### In the next stage

The upper and lower triangles and the left rear suspension reinforcement.



# LEFT SUSPENSION UPPER AND LOWER WISHBONES

STAGE 70 CONTAINS THE UPPER AND LOWER SUSPENSION STRUTS OF THE LEFT REAR SUSPENSION, AND THE DIAGONAL REINFORCEMENT, AN IMPORTANT MECHANICAL GROUP TO INSTALL ON YOUR 1:8 SCALE FERRARI 312 T4.



2

3

2 type D screws



## LIST OF PARTS

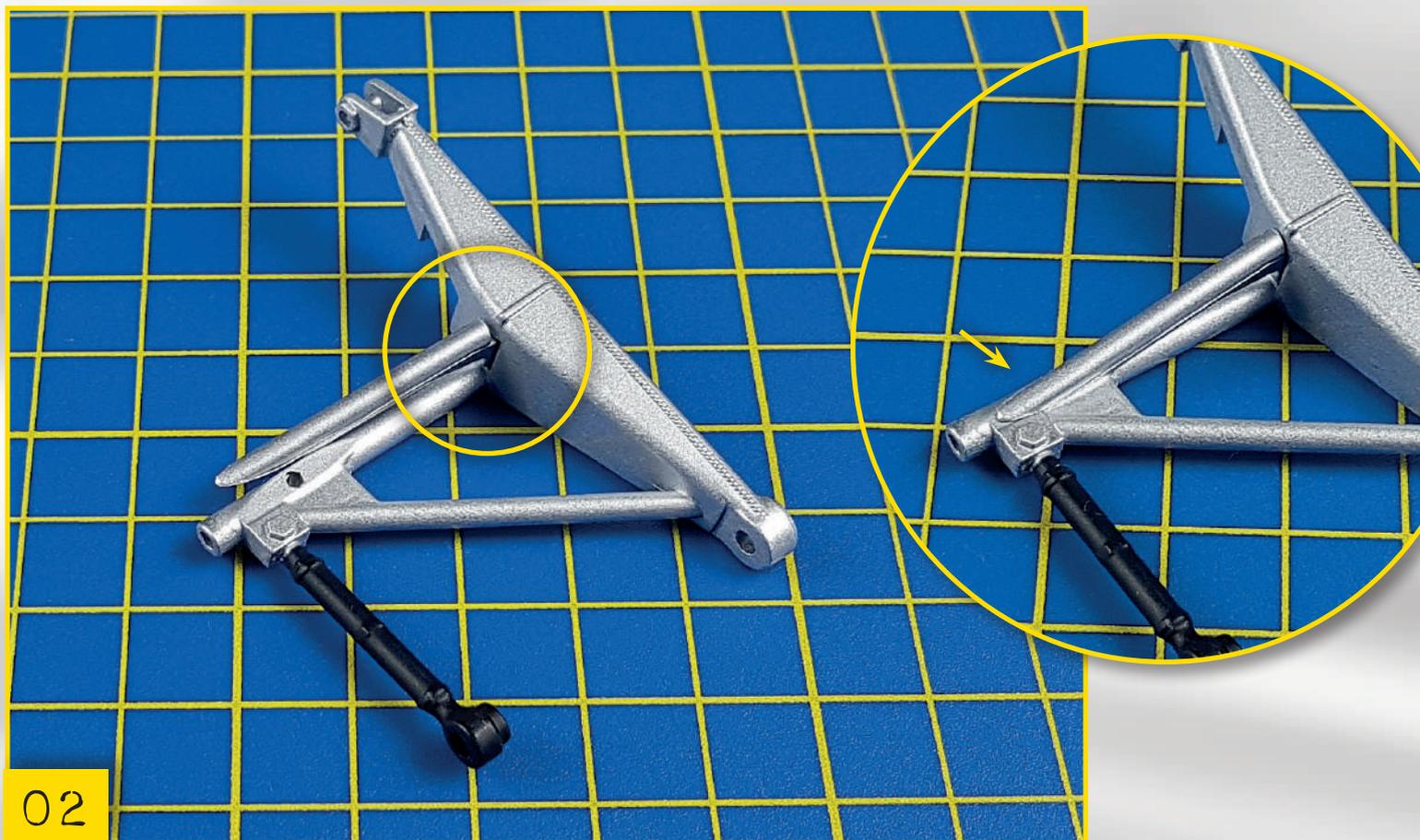
- 1 Upper wishbone reinforcement
- 2 Upper wishbone
- 3 Lower wishbone

## SCREWS

Two type D screws



**70-01** Lay the upper wishbone reinforcement on your work surface. The two connecting points will be referred to the letters A and B, as marked in the image.



**70-02** First insert the reinforcement in the hole A, making sure that it is facing the same way as the parts that are visible in the image. Then complete the installation process using hole B.

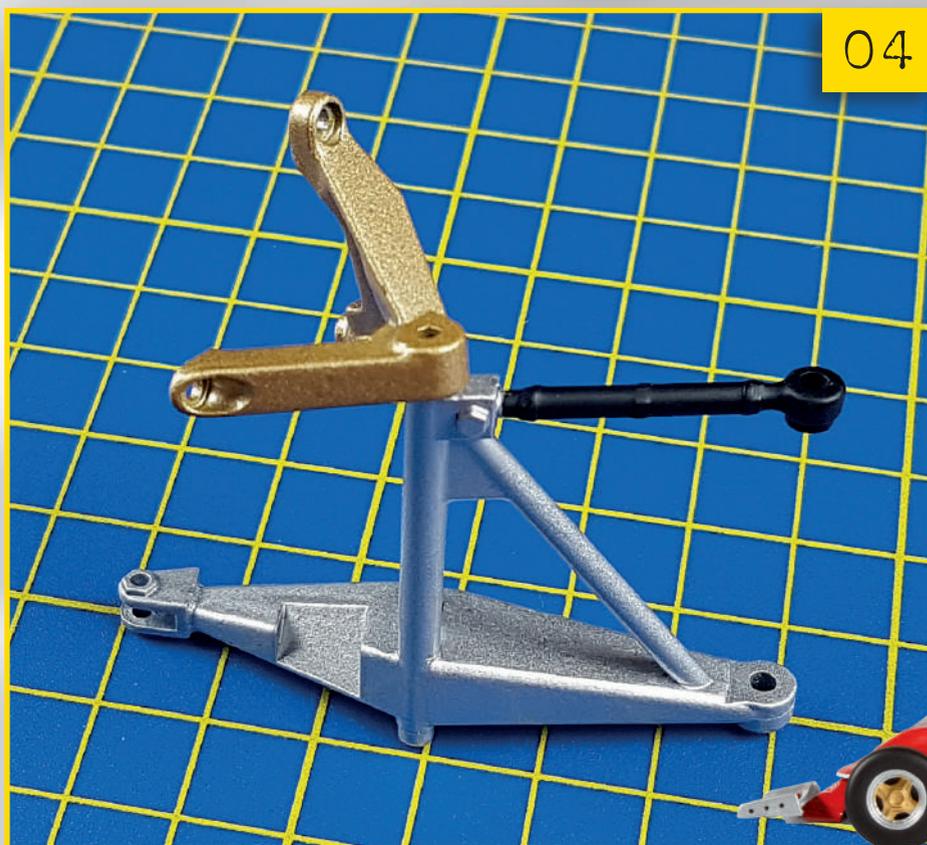


03



**70-03** Now set out the support triangle (from the previous stage) and a type D screw next to your recently assembled part.

04



**70-04** Join the support triangle to the upper wishbone. Make sure the parts are facing the same way as shown in the picture.



05



**70-05** To make sure all parts are securely joined, use a type D screw to firmly connect the parts together. Make sure it is not left loose.

**FINAL RESULT**

The image shows you the result of this assembly stage. Before placing your work to one side, make sure the process has been completed correctly and make any changes necessary.



**In the next stage**

The right rear suspension triangle.



# RIGHT REAR SUSPENSION SUPPORT

THE PARTS SUPPLIED WITH THIS STAGE ARE FOR THE RIGHT REAR SUSPENSION ON YOUR MODEL. PUT THEM SAFELY TO ONE SIDE, AS YOU WILL FIRST MOUNT THE LEFT SIDE FROM STAGE 70.



1

4 type G screws



## LIST OF PARTS

- 1 Right rear suspension support triangle

## SCREWS

Four type G screws



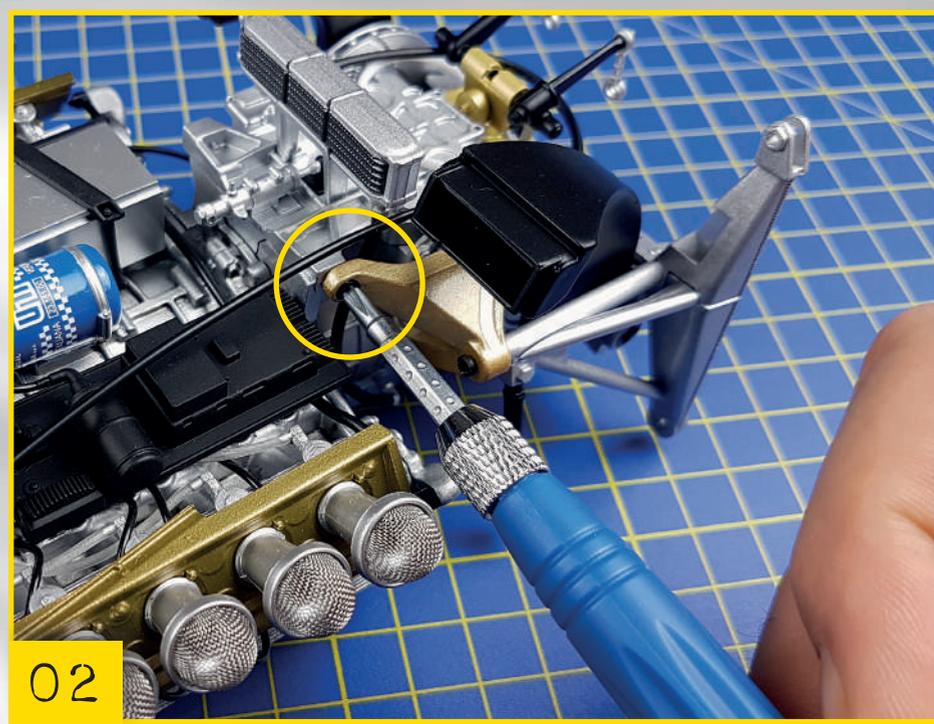
01

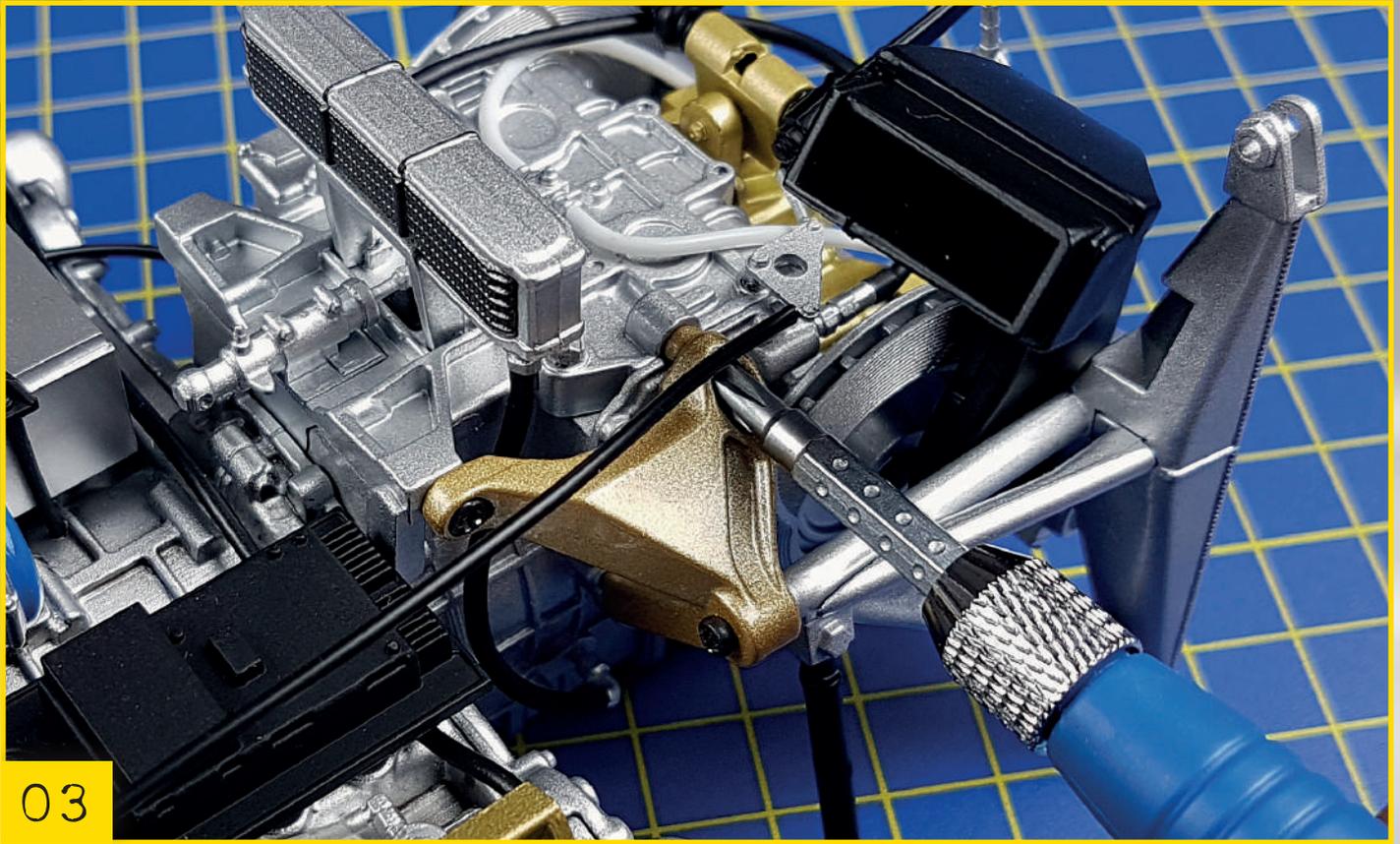


**71-01** Set out the left rear suspension assembly from stage 70 along with the model on your work surface. On the left side of the gearbox, you can see two holes, one above the other, which will be used to mount the assembly onto the model (inset, arrows).

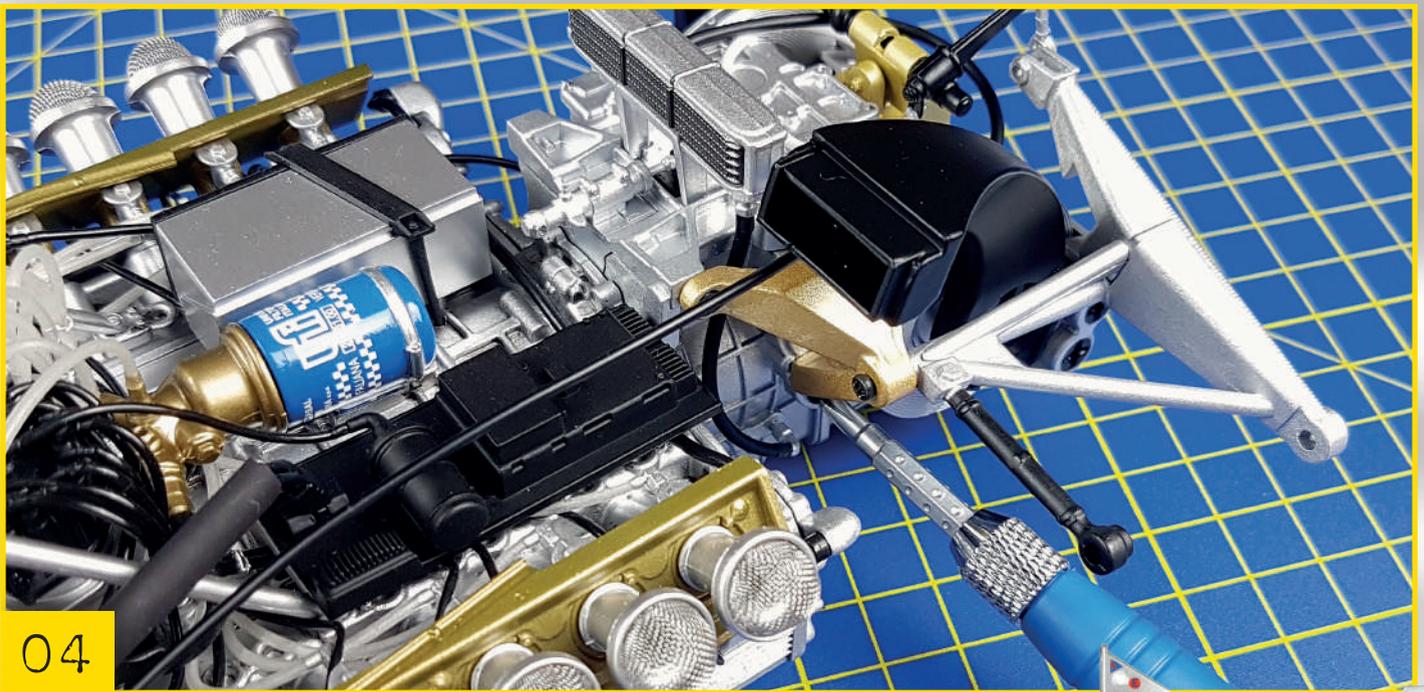
**71-02**

Use the two pins at the base of the support triangle and the holes identified to place the left rear suspension assembly in the correct position. Then insert and partly tighten a type G screw in the hole as shown in the image.



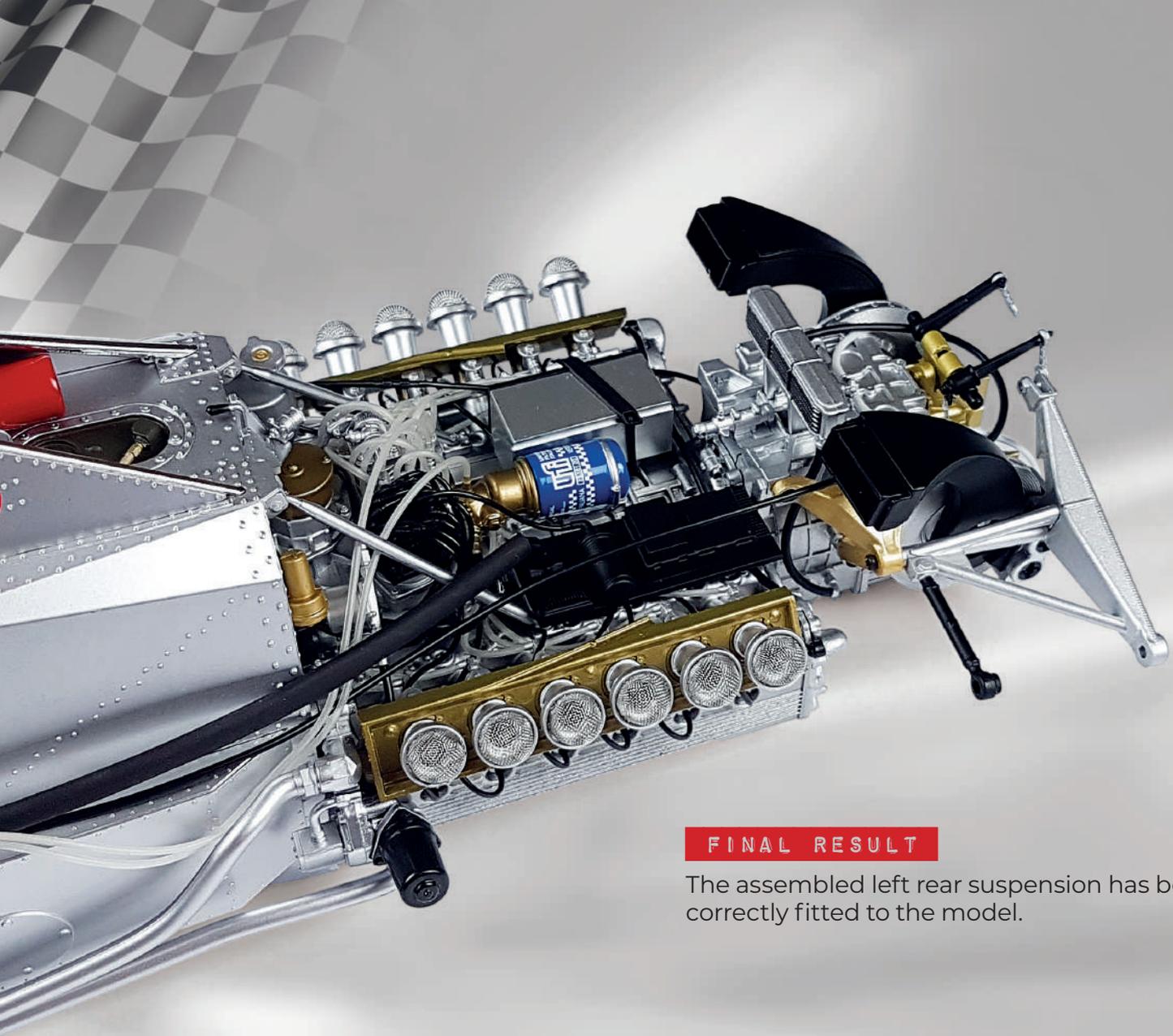


**71-03** Next begin to drive a second type G screw in the upper hole, which is set further back, without tightening it fully.



**71-04** Now take a third type G screw and secure the lower part. Tighten the screw fully, then tighten the two previous screws.





**FINAL RESULT**

The assembled left rear suspension has been correctly fitted to the model.

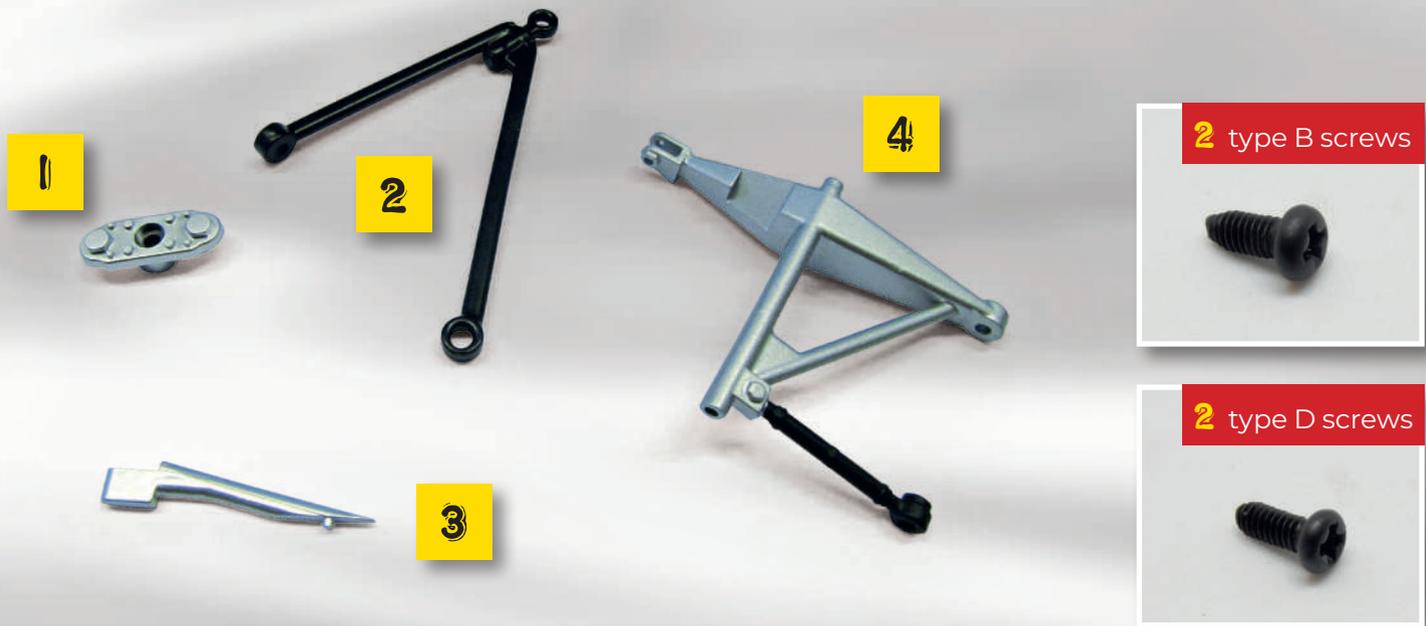
**In the next stage**

The elements to complete the right rear suspension.



# RIGHT REAR SUSPENSION PARTS

THE PARTS PROVIDED WITH THIS STAGE WILL BE USED TO BUILD THE RIGHT REAR SUSPENSION AND TO FIX IT TO YOUR 1:8 SCALE FERRARI 312 T4.



## LIST OF PARTS

- 1 Lower wishbone plate
- 2 Lower wishbone
- 3 Upper wishbone reinforcement
- 4 Upper wishbone

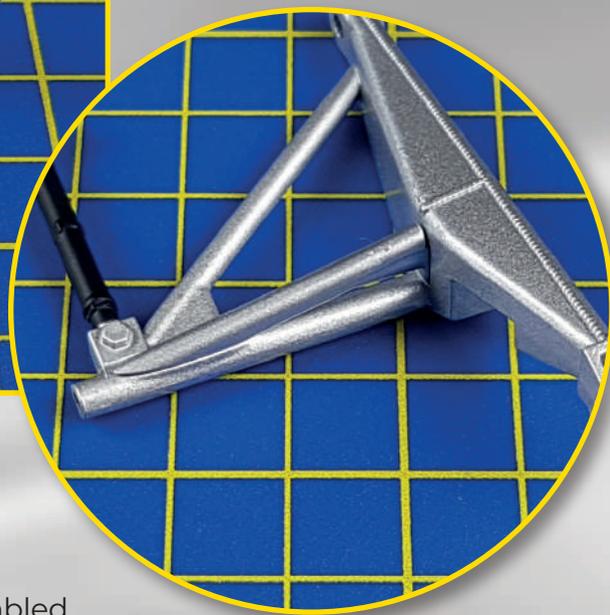
## SCREWS

- Two type B screws
- Two type D screws

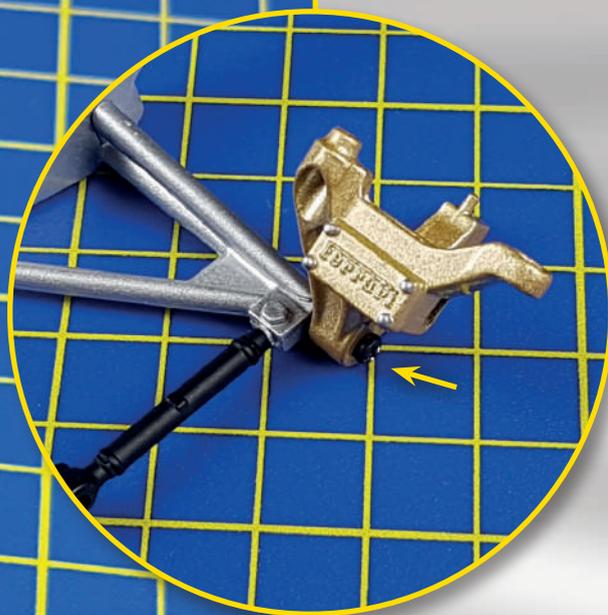
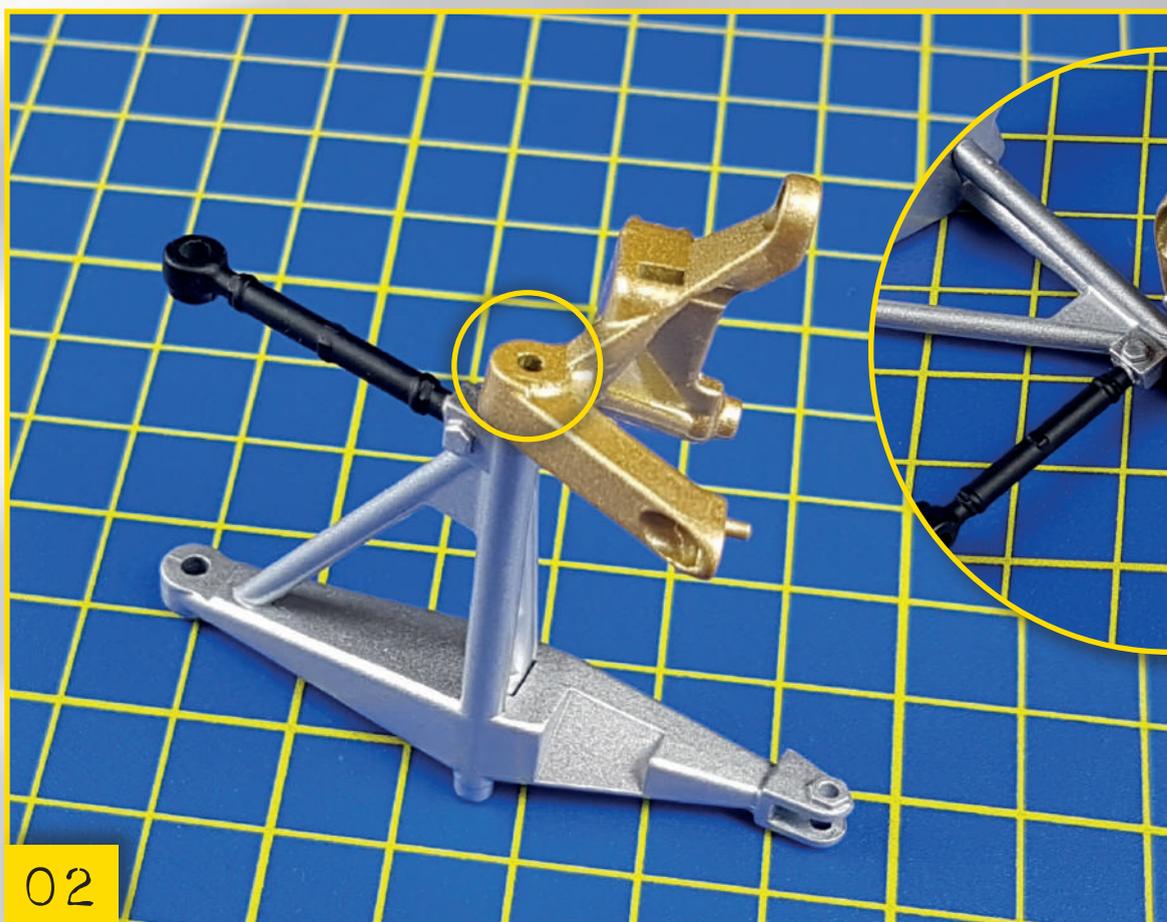




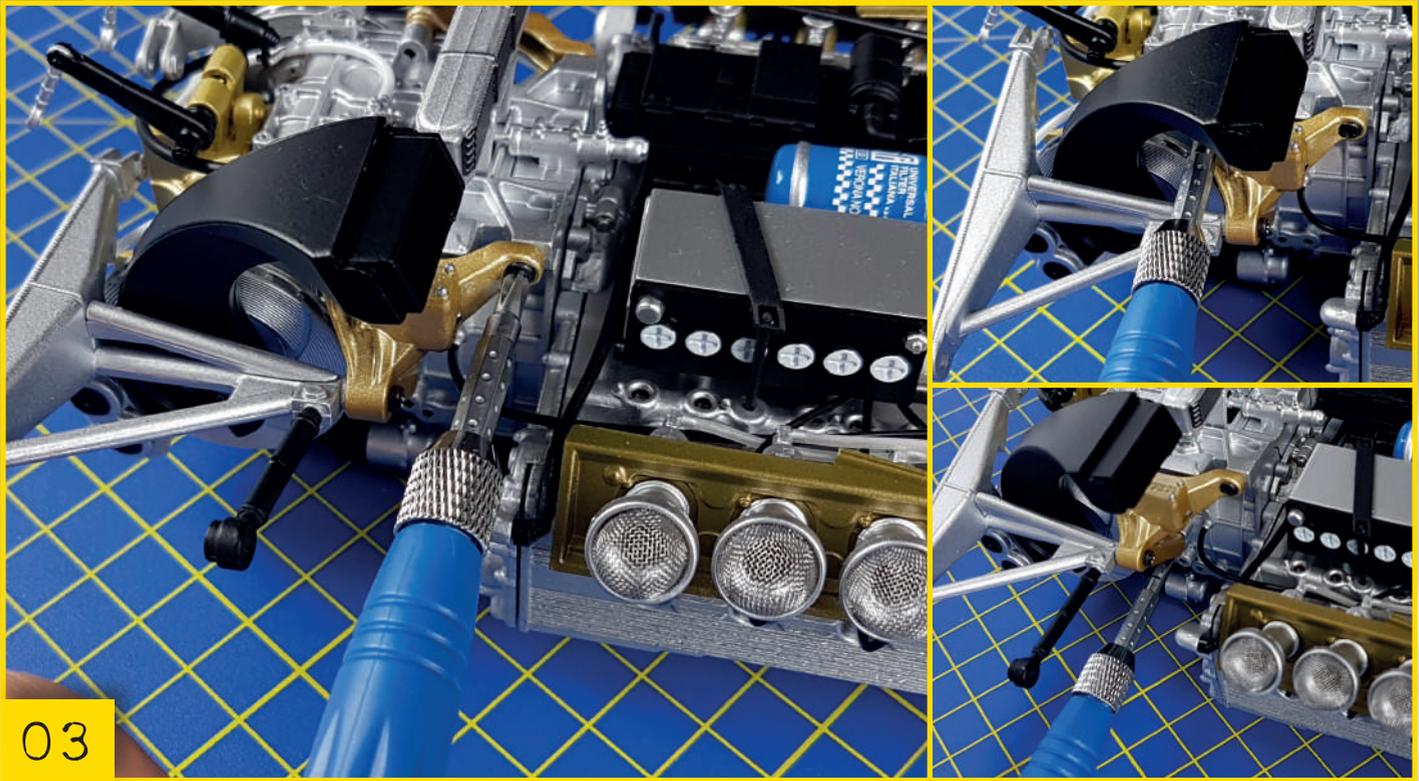
**72-01**  
Join the reinforcement to the upper wishbone, in the same way as before. For a reminder, refer to stage 70-01 and 70-02.



**72-02** Join the triangle from stage 71 to this newly assembled piece. To fix this part, drive a type D screw until fully tight.

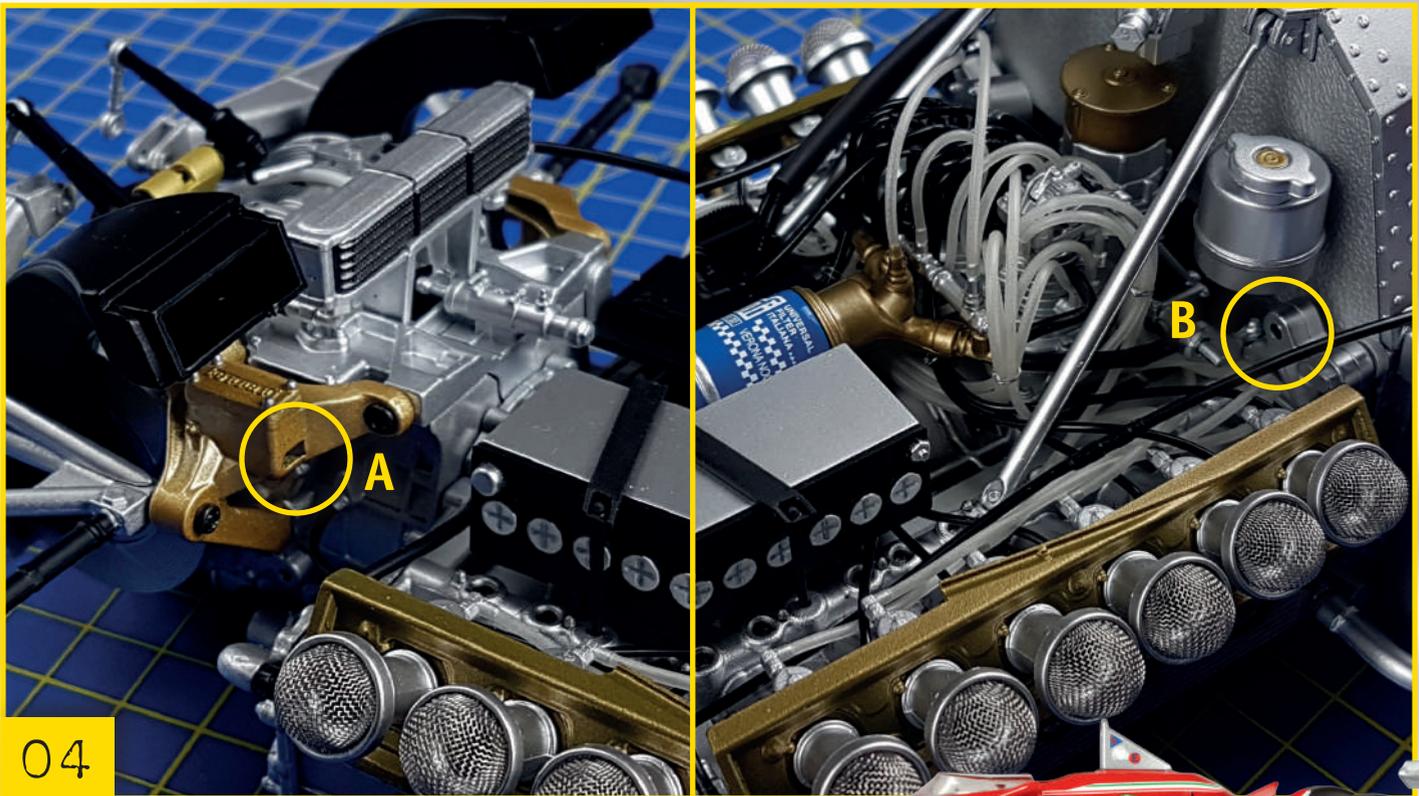






03

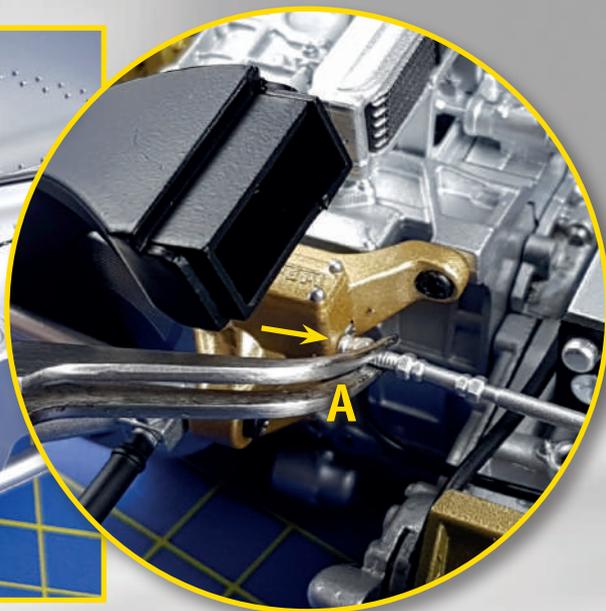
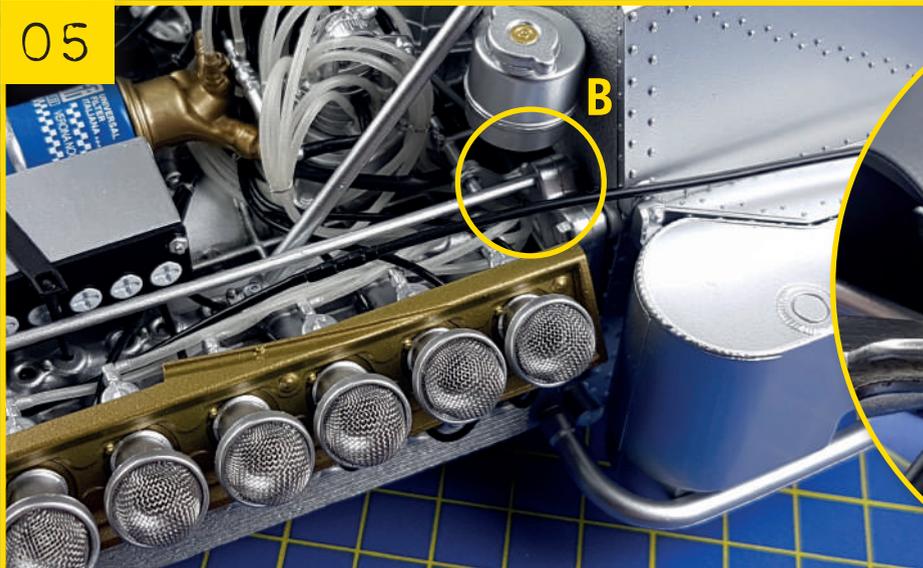
**72-03** Like the left rear suspension, the right rear one is fixed to the model using three type D screws.



04

**72-04** In these two images, identify the holes A and B which hold the two ends of the gear connecting rod (stage 69).

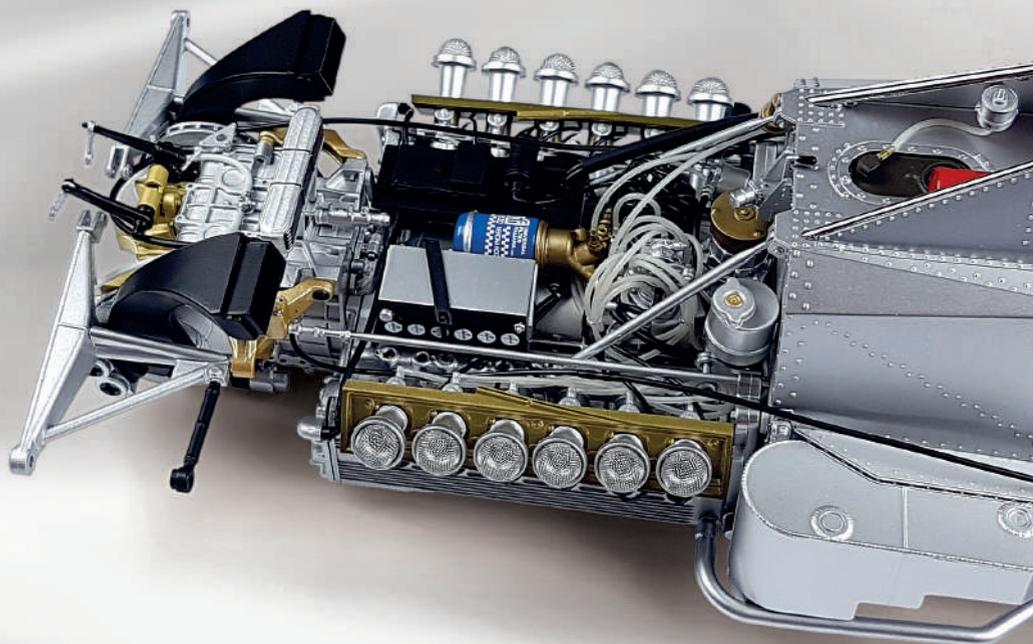




**72-05** Insert the gear connecting rod into its front fastening (B); then, with the help of tweezers, insert its free end into the rear fastening hole (A).

#### FINAL RESULT

Now you have fixed the whole rear suspension to the model, together with the gear connecting rod.



#### In the next stage

The anchoring plate for the rear suspension wishbone.

