



# **Pack 12** BUILD INSTRUCTIONS

STAGE 91: THE EXHAUST SYSTEM -INITIAL PARTS

STAGE 92: THE CHASSIS AND BODY

STAGE 93: THE REAR BRAKES

**STAGE 94: THE FRONT BRAKES** 

STAGE 95: THE WINDSCREEN

**STAGE 96: THE REAR WINDOW** 

STAGE 97: THE FERRARI BADGE AND THE WINDSCREEN WIPERS

STAGE 98: THE CHASSIS BASE PANELS (1)

STAGE 99: THE CHASSIS BASE PANELS (2)

STAGE 100: THE CHASSIS BASE PANELS (3)



### **Advice from the experts**

To help you get the best out of building the Ferrari 250 GTO, we've prepared a modellers checklist with hints, tips and advice from our experts. The information below is aimed at making your build as enjoyable and professional as possible right from the start.

Have a soft cloth ready to place on your work surface to prevent scratching the paintwork.

Spare screws are included with each part. Occasionally, you may be instructed to keep spare or unused screws for a later stage. Keep these spares in a safe place and label them correctly.

Please make sure you don't mix up the screws. They look quite similar, but the threads do vary slightly. Using the wrong screws may damage the parts.

When securing parts together using multiple screws, fit each screw loosely to ensure all the parts are correctly aligned before gently tightening them firmly, but not overtight, in the order in which you placed them.

The screwdriver can be magnetized by stroking it with a magnet (fridge magnet, etc.) enabling it to hold the screws and make assembly easier.

If a screw is tight going into a metal part, do not force it as you may shear the head off. Remove it and put a tiny smear of Vaseline, soap or light oil on the thread. That will lubricate it and make it easier to drive home.

Only use the correct size screwdriver that fits the screw head firmly.

Use a magnet to help find screws that have fallen on the floor.

Use masking tape to hold parts temporarily in place.

Cut parts from a sprue (framework) with side cutters or a craft knife. Side cutters tend to be easiest.

During the course of this build, you will receive many pieces that you will assemble immediately – following the instructions in the corresponding stage – and other pieces that you should store safely to one side, for use in future assembly stages.

Left and Right! When building your *Ferrari 250 GTO*, the left- or right-hand side refers to that side as if you are sitting in the car.

# 0

**WARNING:** Some parts are assembled using magnets. These magnets can cause serious injury if they are swallowed. Keep away from children. If you suspect a magnet has been swallowed, seek medical help straight away.

All parts belong to a kit. Collectors item for adults.

Not suitable for children under 14.

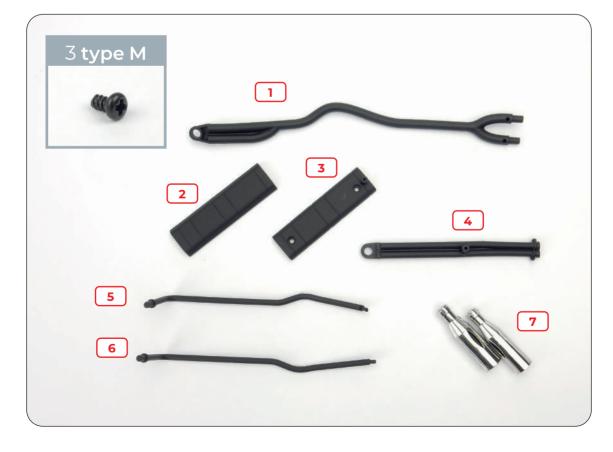
Produced under license of Ferrari S.p.A. The name FERRARI, the PRANCING HORSE device, all associated logos and distinctive designs are property of FERRARI S.p.A. The body designs of the Ferrari cars are protected as Ferrari S.p.A. property under design, trademark and trade dress regulations.

In this stage you'll start assembling your model's exhaust system. You'll also arrange the cables in preparation for the assembly stages that follow.



Name	Name
1 Rear exhaust pipe	6 Right tie rod
2 Central silencer A	7 Tailpipes
3 Central silencer B	
4 Front exhaust pipe	
5 Left tie rod	3 type M screws

#### **STAGE 91 PARTS LIST**





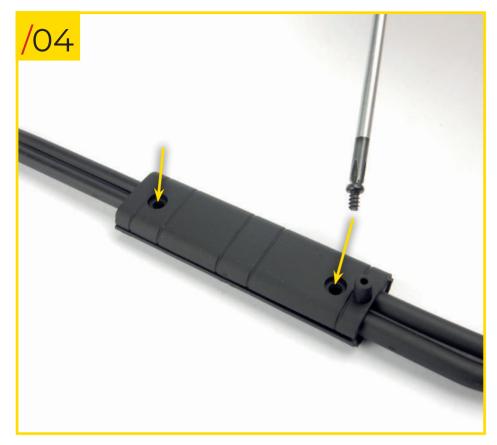
91/01 Place the front exhaust pipe, part A of the central silencer (marked with "L1"), and the rear exhaust pipe on your work surface. Orientate the pieces as shown in the photo.

91/02 Slide the eyelets on the ends of the front and rear exhaust pipes onto the raised holes on part A of the central silencer. The eyelets are shaped in such a way to facilitate joining the pieces together.





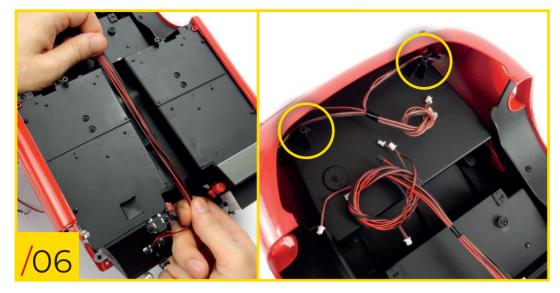
91/03 Fit part B of the central silencer (marked with "L2") on top of the assembly. Orientate the pieces as shown.



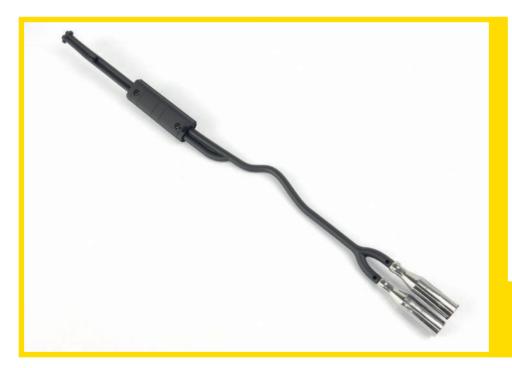
91/04 Secure the pieces together using two type M screws.



91/05 Slide the two tailpipes onto the end of the rear exhaust pipe.



91/06 Extend the cables coming from the firewall towards the rear section of the body. Arrange the cables for the rear lights as shown in the circles in the second photo. We recommend that you join the cables together with some tape, as shown in the photo.



STAGE 91 IS COMPLETE Here's how the components for the left section of the exhaust system look at the end of this stage. In this stage you'll continue assembling your model's exhaust system then fit the chassis and engine assembly to the body.

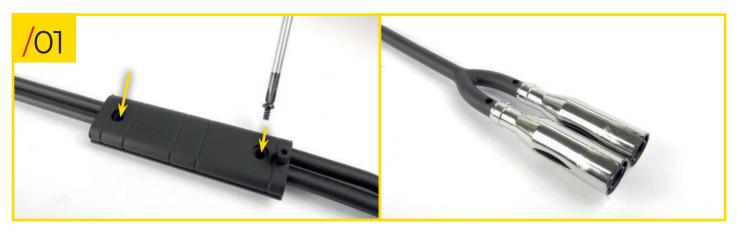


#### **STAGE 92 PARTS LIST**

Name	Name	Name
1 Rear exhaust pipe	6 Tailpipes	7 type B screws
2 Front exhaust pipe	7 Cable clips	3 type C screws
3 Central silencer A	8 Elastic band	3 type M screws
4 Central silencer B	9 Leads	
5 Steering Rod		



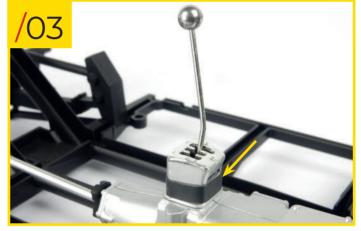
### **Stage 92: The Chassis and Body**



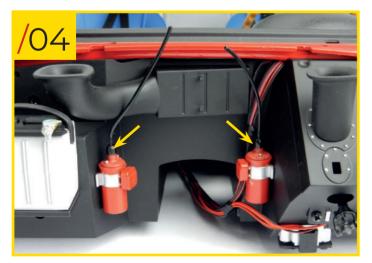
92/01 Follow the same method used in stage 91 to combine the exhaust system parts you've received with this stage and secure the parts together using two type M screws. Once completed, fit the two tailpipes to the other end of the rear exhaust.



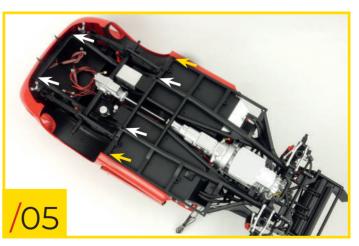
92/02 Retrieve the chassis and attach the speaker cable to the left inner wing using the two cable clips - one with angled studs (yellow arrow) and one with straight studs (white arrow).



92/03 Slide the elastic band over the gear stick and push the elastic band all the way down to the base.

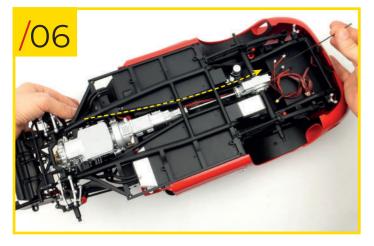


92/04 Retrieve the body and push the two leads onto the pins on the ignition coil caps.

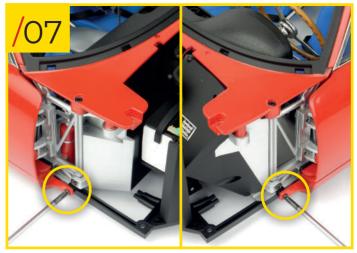


92/05 Fit the chassis to the body. Start securing the assemblies together using four type B screws (white arrows) and two type C screws (yellow arrows).

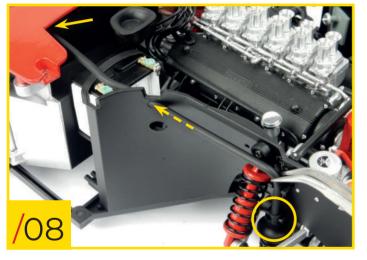
### **Stage 92: The Chassis and Body**



92/06 Run the speaker cable under the chassis crossbeams until the speaker cable reaches the other cables.



92/07 Finish securing the chassis to the body by screwing two type B screws into the holes indicated.



92/08 Using the photo to help you, fit the right tie rod you received with stage 91.

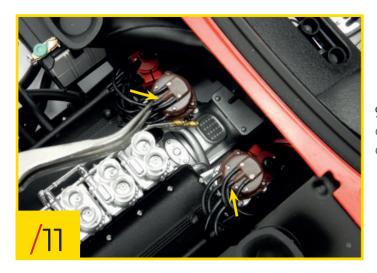


92/09 Similarly, fit the left tie rod you received with stage 91.



92/10 Using the tab and a type K screw you received with stage 88, fit the steering column and steering shaft together.

### **Stage 92: The Chassis and Body**



92/11 Slide the other ends of the ignition coil leads onto the central pins on the distributor cap.

92/12 Finally, fit the steering rod. Insert the end in the fire wall, then flex the rod and fit the pin into the hole in the steering box.





STAGE 92 IS COMPLETE Here's how your model looks at the end of this

stage.

In this stage you'll assemble and fit your model's rear brakes.

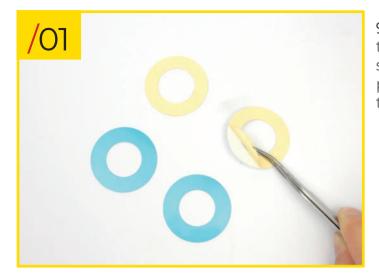


#### **STAGE 93 PARTS LIST**

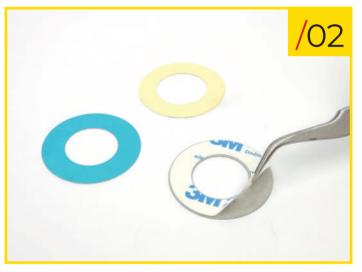
Name	Name
1 Circles of double-sided tape	5 Brake calipers - outer section
2 Disc surfaces	6 Brake caliper connectors
3 Brake disc	7 Left rear hubcap
4 Brake calipers - inner section	8 Right rear hubcap



#### **Stage 93: The Rear Brakes**



93/02 Stick both circles, adhesive side down, to the free faces of the disc surfaces. Once done, remove the protective film from the other side of the two circles of double-sided tape. 93/01 Place the two circles of double-sided tape and the two disc surfaces on your work surface. Using a pair of tweezers, remove the protective film from one of the sides of both the circles.





93/04 Remove the blue protective film from the surfaces of the brake discs.

93/03 Fit the disc surfaces, adhesive side down, to the two brake discs. Orientate the pieces as shown in the photo.

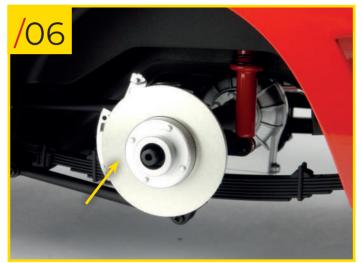


#### **Stage 93: The Rear Brakes**



93/06 Fit one of the brake discs to the left half of the rear axle shaft.

93/05 Retrieve your model's chassis and fit the inner section of the left brake caliper (marked with the letter "L") into the position indicated in the photo, on the left half of the rear axle shaft. Orientate the pieces as shown.





93/07 Now add the outer section of the left brake caliper (marked with the letter "L") to the assembly. Orientate the pieces as shown.



93/08 Use one of the connectors to join the two brake caliper sections, as shown in the photos.

#### **Stage 93: The Rear Brakes**



93/09 Follow the same steps to fit the rear brake components to the right side of the model.



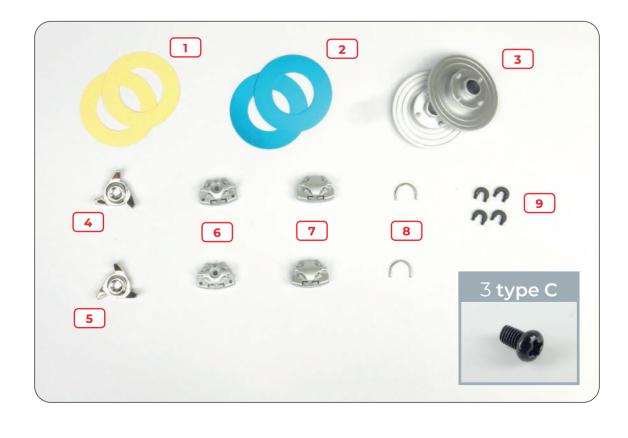
STAGE 93 IS COMPLETE Here's how your model looks with the rear brakes fitted. Keep the parts that you haven't used during this stage somewhere safe.

In this stage you'll assemble and fit your model's front brakes.

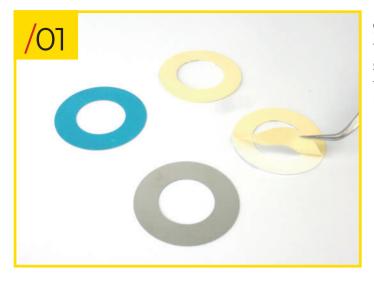


#### **STAGE 94 PARTS LIST**

Name	Name
1 Circles of double-sided tape	7 Brake calipers - outer section
2 Disc surfaces	8 Brake caliper connectors
3 Brake discs	9 Cable clips
4 Left front hubcap	
5 Right front hubcap	
6 Brake calipers - inner section	3 type C screws



#### **Stage 94: The Front Brakes**



94/02 Stick both circles, adhesive side down, to the free faces of the disc surfaces. Once done, remove the protective film from the other side of the two circles of double-sided tape.

94/01 Place the two circles of double-sided tape and the two disc surfaces on your work surface. Using a pair of tweezers, remove the protective film from one of the sides of both the circles.





94/04 Remove the blue protective film from the surfaces of the brake discs.

94/03 Fit the disc surfaces, adhesive side down, to the two brake discs. Orientate the pieces as shown in the photo.

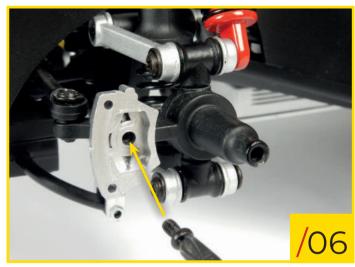


#### **Stage 94: The Front Brakes**



94/05 Retrieve your model's chassis and fit the inner section of the left brake caliper (marked with the letter "L") into the position indicated in the photo, on the front left stub axle. Orientate the pieces as shown.

94/06 Secure the pieces together using a type C screw.





94/07 Now add one of the brake discs and the outer section of the left brake caliper (marked with "L1") to the assembly. Orientate the pieces as shown.

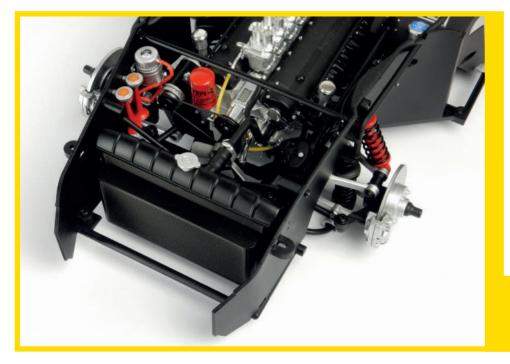


94/08 Use one of the connectors to join the two brake caliper sections, as shown in the photos.

### **Stage 94: The Front Brakes**



94/09 Follow the same steps to fit the front brake components to the right side of the model.

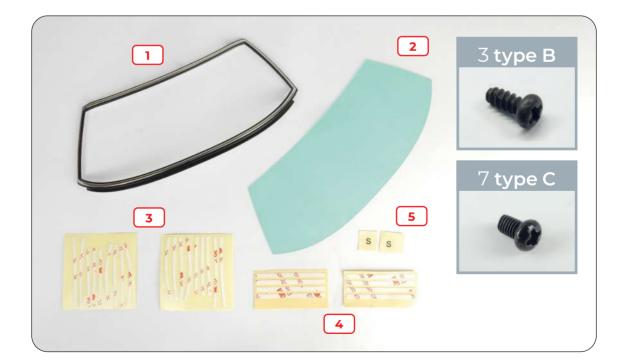


STAGE 94 IS COMPLETE Here's how the front brakes look after they've been fitted to your model's chassis. In this stage you'll fit the windscreen and add the front section of the body to the rest of your model.



#### **STAGE 95 PARTS LIST**

Name	Name
1 Windscreen frame	5 Speaker cable stickers
2 Windscreen	
3 Long strips of double-sided tape (+1 spare)	3 type B screws
4 Short strips of double-sided tape (+1 spare)	7 type C screws



#### **Stage 95: The Windscreen**



95/01 Peel the long strips of double-sided tape from their backing and stick the double-sided tape to the inside of the windscreen frame, as shown.



95/03 Remove the protective film from both sides of the windscreen.



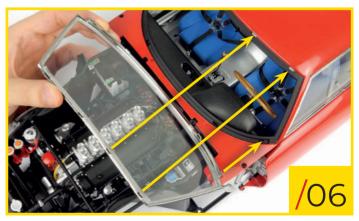
95/02 Remove the protective film from the other side of the long strips of double-sided tape.



95/04 Fit the windscreen to the inside of its frame, sticking the windscreen to the long strips of double-sided tape.



95/05 Peel the short strips of doublesided tape from their backing and stick the double-sided tape to the inside of the windscreen, as shown.



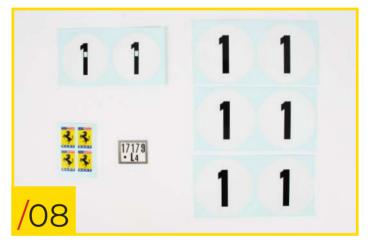
95/06 Retrieve the rest of the model, remove the protective film from the other side of the short strips of double-sided tape and fit the windscreen to the body.



95/07 Before you fit the front body, stick the dedicated stickers to the speaker cable (black with white connector).

95/08 If you plan to finish your model using the N.A.R.T. decals, follow steps 9–15. Decals and stickers can be found in Stage 100.

If you are not using the N.A.R.T. decals, continue to step 16.





95/09 First, remove the Ferrari badge from the front section of the body, taking care not to slip and scratch it. Keep the badge in a safe place for now. 95/10 Take off the four air intake covers and remove the double-sided tape, then place the air intake covers back into position.





95/11 Cut a nose decal from the sheet and place the decal in water until the decal starts to slide on the backing paper. Do not let the decal float off the backing paper.

Moisten the area on the front body then apply the decal in the position shown. The decal has a rectangular hole which fits over the gap for the Ferrari badge.

95/12 Leave the decal to dry completely (preferably overnight) and then replace the Ferrari badge.



#### **Stage 95: The Windscreen**



95/13 Use a sharp hobby knife with a new blade to gently pierce through the gaps (highlighted by the dashed blue lines in step 11). Take care not to rip the decal by dragging the blade.

95/14 Carefully remove the air intake covers by pushing from underneath and apply decal softener to smooth the edges of the decal. Take extra care in the delicate area along the bottom of the circle.





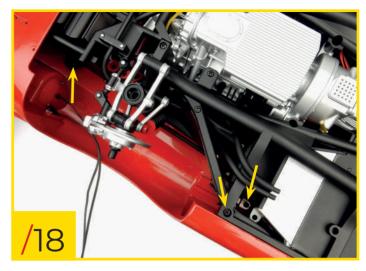
95/15 Place the covers back into position once they are completely dry. For the rest of the assembly, take extra care when handling your model so as not to damage the decal. 95/16 Take the front body, open the bonnet and pull the front headlight cables outwards. Fit the assembly to the rest of the model, then close the bonnet. Note the circled screw holes – these will help with lining up the sections of the body in the next step.

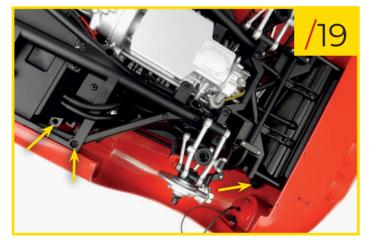




24

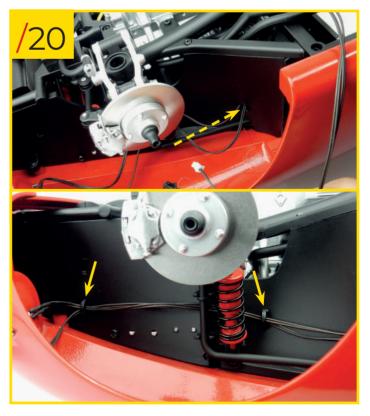
95/18 Start securing the pieces together by screwing three type C screws into the holes indicated by the arrows in the photo.





95/19 Finish securing the pieces together by screwing another three type C screws into the holes indicated.

95/20 Thread the right headlight cable and the corresponding indicator cable through the hole in the right wing. Secure the cables into position using two of the cable clips you received with stage 94.

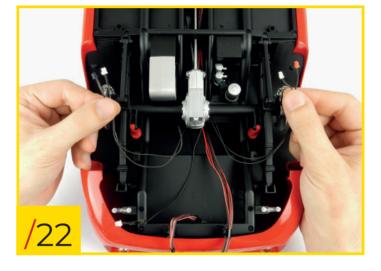


#### **Stage 95: The Windscreen**



95/21 Similarly, thread the left headlight cable and the corresponding indicator cable through the hole in the left wing. Secure the cables into position using the other two cable clips you received with stage 94.

95/22 Run the cables from the front of the body under the chassis crossbeams until they join the other cables in the rear section of the model.





STAGE 95 IS COMPLETE Here's how your model looks with the front section of the body fitted to it.

In this stage you'll connect all the cables to the circuit board and fit the rear window to your model.



#### **STAGE 96 PARTS LIST**

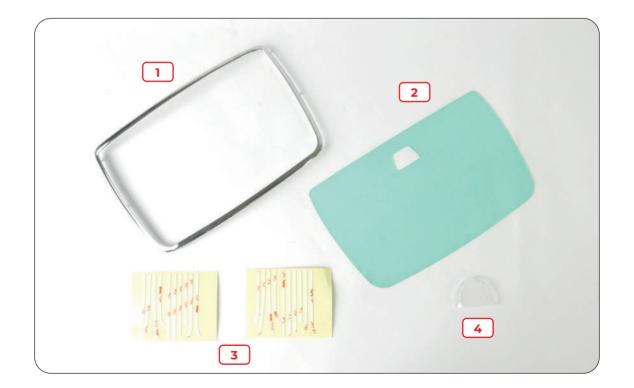
#### Name

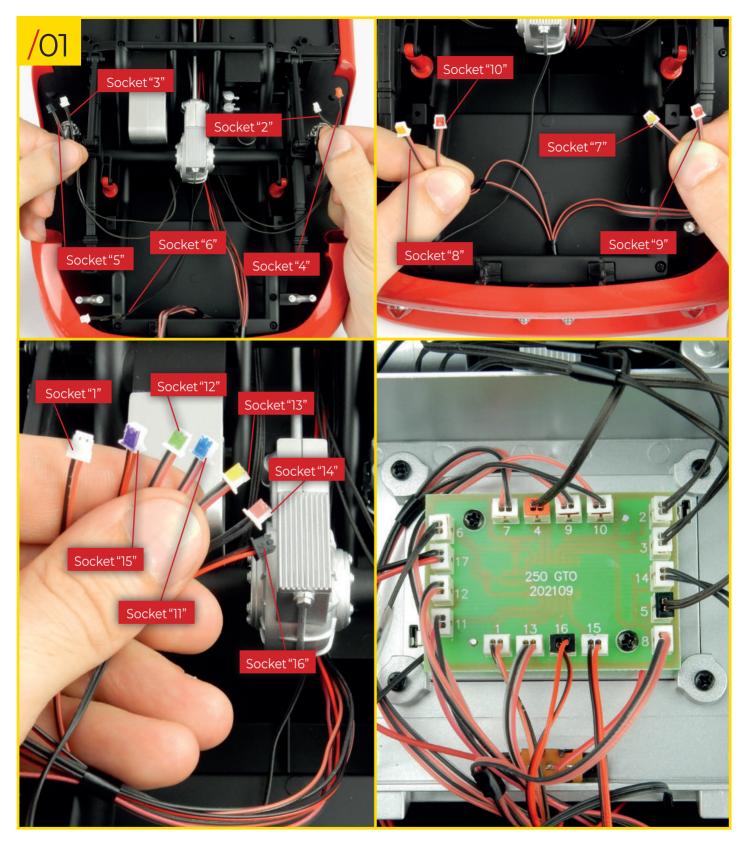
1 Rear window frame

2 Rear window

3 Strips of double-sided tape (+1 spare)

4 Rear window air intake cover





96/01 Retrieve the battery tray with circuit board and the rest of your model. Insert the connectors on all the cables into the respective sockets on the circuit board. Use the photo to identify which cable goes into which socket.



96/02 Fit the battery tray to the chassis using the studs on the ends of the brackets and screwing two of the type B screws you received with stage 95 into the holes indicated. Once done, open the battery tray and insert three AAA batteries, then put the cover back on again to close it.

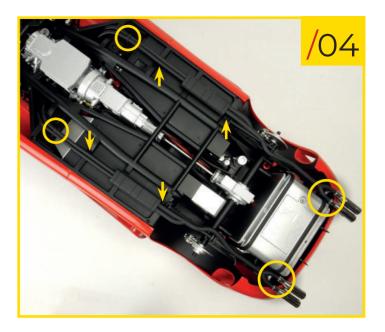


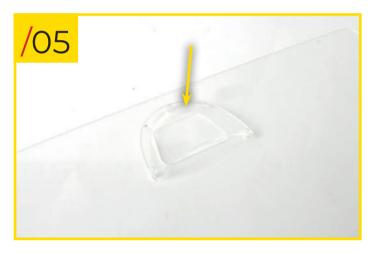
96/03 Move the battery tray switch to the 'ON' position and, if you haven't already done so, insert the key (stage 81) into the ignition. This will activate the mechanism that operates your model's sounds and lights. After checking that they're working correctly, move the battery tray switch back to the 'OFF' position.

The table below lists all the functions.

Control	Function
Ignition key	Engine start up sound and power on
Accelerator	Engine rev sound
Brake pedal	Brake lights turn on
Turn signal lever	Indicator lights turn on (left then right)
Button next to ignition key	Headlights and dashboard light turn on
Horn button	Horn sound

96/04 Fit the exhaust pipes you assembled in stages 91 and 92 to your model.





96/05 Remove the protective film from both sides of the rear window and fit the air intake cover into the dedicated slot on the external side of the rear window.

96/06 Peel the strips of double-sided tape from their backing and stick the double-sided tape to the inside of the rear window frame, as shown. Once done, remove the protective film from the other side of the strips of double-sided tape.





96/07 Fit the rear window to the inside of its frame, sticking the rear window to the strips of double-sided tape. Make sure the air intake cover is facing outwards.

96/08 Fit the rear window to the rest of the model by inserting the studs on the frame into the dedicated holes in the body.





STAGE 96 IS COMPLETE Here's how your model looks with the rear window fitted.

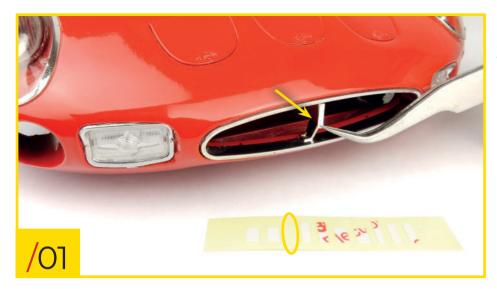
In this stage you'll add further components to your model as well as start to fit the four wheels.



#### **STAGE 97 PARTS LIST**

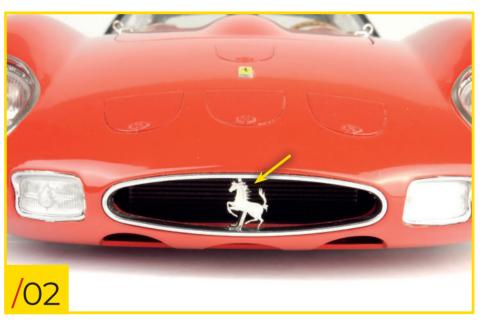
Name	Name
1 Double-sided adhesive strips (5+5 spare)	7 Small components for body underside
2 Ferrari badge	8 Bonnet mounts
3 Large round double-sided adhesive tape	
4 Small round double-sided adhesive tape	
5 Fuel cap	3 type D screws
6 Windscreen wipers	3 type J screws





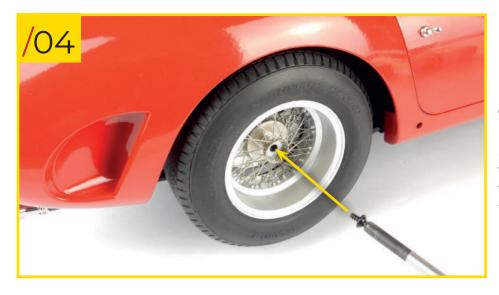
97/01 Place your model on your work surface. Remove one of the long double-sided adhesive strips from the backing sheet and stick the adhesive strip to the front grille, to the position shown.

97/02 Remove the protective film from the other side of the adhesive strip and attach the Ferrari badge to it.





97/03 Remove the central sections from a large round and a small round piece of adhesive tape. Remove the protective film from one side of the small round piece of adhesive tape, stick to the right rear brake and remove the protective film from the other side of the piece of tape.



97/04 Retrieve the right rear wheel (the rear wheels are larger than the front wheels) and attach the wheel to the brake. Secure the wheel into position using a type D screw.







97/06 Remove the protective film from the other side of the piece of adhesive tape and fit the right front wheel into its position. Secure the wheel to the model using a type J screw.



97/07 Repeat steps 3, 4, 5 and 6 to fit the remaining two wheels to the left side of the model.



STAGE 97 IS COMPLETE Here's how your model looks with the four wheels fitted. Keep the parts you haven't used in a safe place, you'll need the parts for a later stage.

### **Stage 98: The Chassis Base Panels (1)**

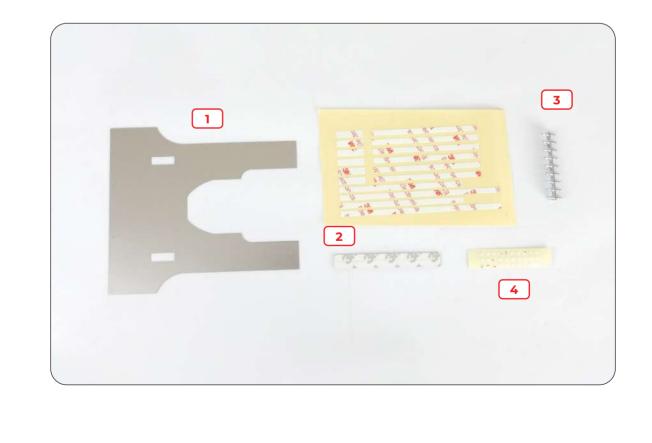
In this stage you'll continue adding the final components to your model. Keep the parts you don't use in a safe place, you'll need the parts for the final stage.



#### **STAGE 98 PARTS LIST**

#### Name

- 1 Front panel
- 2 Double-sided adhesive strips (8+10 spare)
- 3 Base panel bolts (15+3 spare)
- 4 Round double sided-adhesive tape (15+15 spare)





98/01 Retrieve the hubcaps you received with stages 93 and 94. Look at the photo carefully to identify the hubcaps correctly.



98/02 Fit the left rear hubcap in position, in the centre of the left rear wheel. There's a magnet to hold the hubcap in place.



98/03 Now fit the right rear hubcap in position, in the centre of the right rear wheel.



98/04 Then fit the left front hubcap...



98/05 ... and the right front hubcap.



98/06 Retrieve the windscreen wipers and the double-sided strips you received with stage 97. Detach two medium-sized adhesive strips from the backing sheet and wrap the adhesive strips round the studs on the windscreen wipers.

98/07 Remove the protective film from the other side of the adhesive strips and insert the studs into the dedicated holes in the front section of the body.



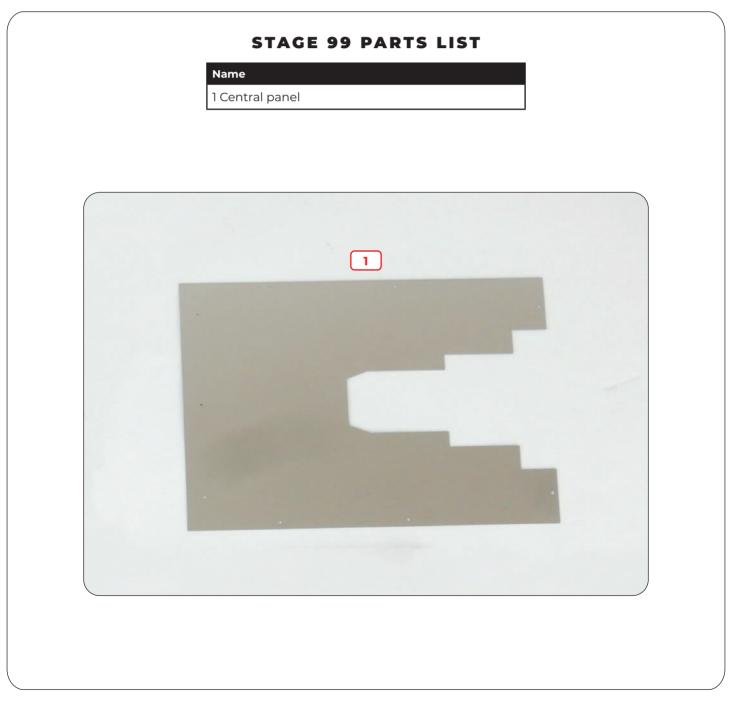


#### STAGE 98 IS COMPLETE

Here's how the front half of your model looks at the end of this stage. Keep your model somewhere safe together with the parts you still need to use.

In this stage you'll fit the final components to your model. Keep the panel you have received with this stage in a safe place, you'll need it for the next assembly session.





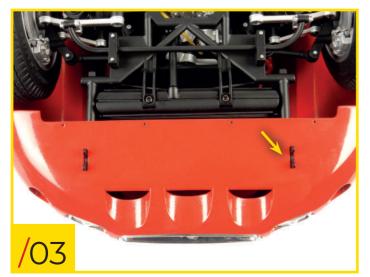
40



99/01 Retrieve the fuel cap that you received with stage 97 and fit the fuel cap in position, on the rear section of the model.

99/02 Turn the model upside down, being careful not to damage it. Retrieve the two small components for the underside of the body that you received with stage 97 and fit the first of the components in position.





99/03 Now fit the second small component into the position indicated in the photo.



99/04 Retrieve the two bonnet mounts and the sheet of double-sided adhesive strips that you received with stage 97. Detach two short adhesive strips from the backing sheet and attach the adhesive strips to the upper faces of the mounts.

42

99/05 Open the bonnet. Remove the protective film from the other side of the adhesive strips and attach the two mounts to the positions indicated. Then, close the bonnet.



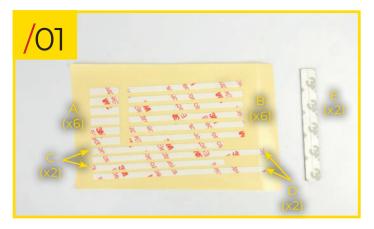


In this stage you'll finish assembling your model by adding the base panel to the chassis.

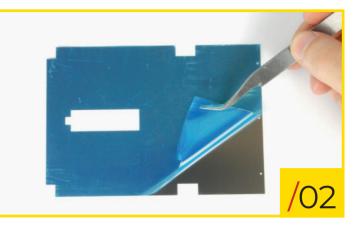
You will also receive the N.A.R.T. decals and stickers in this stage. The instructions for these are on page 49.



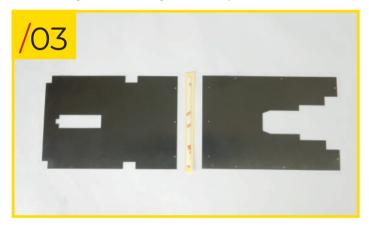
	STAGE 100 PARTS LIST	
	Name	
	1 Rear panel	
	2 N.A.R.T. decals (2 spares)	
	3 License plate sticker	7
	4 Nose decal (1 spare)	7
	5 No. 1 decal (3 spares)	7
		1
2	17179 1 3 4	5



100/01 Place the double-sided adhesive strips that you received with stage 98 on your work surface. Look at the photo carefully to identify the strips.



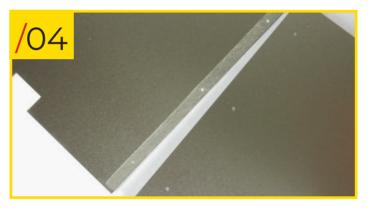
100/02 Remove the protective film from the rear panel and the panels you received with stages 98 and 99.



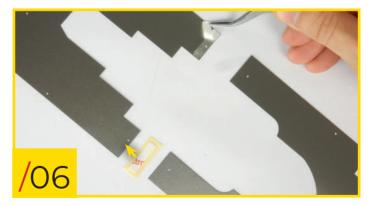
100/03 Position the rear panel, a type C strip of double-sided adhesive tape and the central panel (stage 99) as shown in the photo.



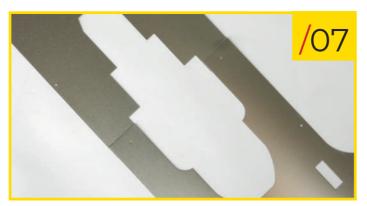
100/05 Place the perforated edge of the central panel onto the double-sided adhesive strip on the rear panel. Orientate the pieces exactly as shown in the photo: make sure the holes along the two edges line up.



100/04 Detach the adhesive strip from the backing sheet, attach the adhesive strip to the perforated edge of the rear panel and remove the protective film from the other side of the strip.

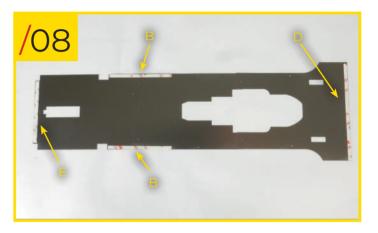


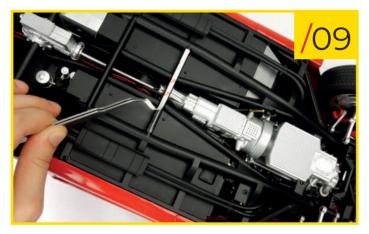
100/06 Detach two type A strips of doublesided adhesive tape from the backing sheet and attach the adhesive tape as shown to the ends of the central panel. Remove the protective film from the other side of the strips.



100/07 Place the perforated ends of the front panel (stage 98) onto the double-sided adhesive strips on the central panel. The holes in the ends of the pieces must line up.

100/08 Detach two type B strips of doublesided adhesive tape from the backing sheet, along with a type D strip and a type E strip. Attach the strips to the panels, to the positions indicated. Remove the film from the other side of the strips.





100/09 Place your model upside down on your work surface. Detach a type B strip of adhesive tape from the backing sheet and attach the adhesive strip to the chassis crossbeam shown in the photo, then remove the protective film from the other side of the strip.

100/10 Using the strips of adhesive tape that are now on the parts, fit the panels to the underside of the model. Be careful to get the panels in exactly the right place before pressing down on the tape as it's very difficult to remove the panels without bending them.

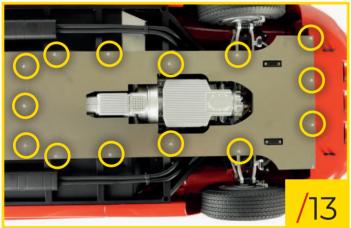




100/11 Retrieve the base panel bolts (stage 98). Using a suitable cutting tool, detach one of the base panel bolts from the sprue.

100/12 Place one of the round pieces of adhesive tape (stage 98) onto one of the holes in the edges of the panels. Remove the protective film and attach the bolt to it.





100/13 Repeat steps 11 and 12 to fit the other fourteen round pieces of adhesive tape and the bolts to the remaining holes in the panels.

100/14 Finally, remove the protective film from the footboard plates just inside the doors.





#### STAGE 100 IS COMPLETE!

Here's how your legendary Ferrari 250 GTO looks at the end of this final assembly stage! We hope you enjoyed your build.

Don't forget, when you buy any model from Agora Models you automatically become a member of the Advantage Club, earning both Lifetime and Reward Points redeemable for free Packs, Accelerators and Full Kits. Your current points balance will be displayed in your account. Having completed your Ferrari GTO - you will now have enough points to redeem against a free Pack 1 for your next model!

Please visit our website for more details.

If you have choses to convert your Ferrari 250 GTO into the 1962 Paris 1,000 Kilometres winner, follow the extra steps on the following pages to finish applying the N.A.R.T. stickers and decals.



100/16 Peel the backing paper from the license plate sticker.





100/17 Apply the sticker to the body so that the sticker covers the four screw holes.

100/15 Using a pair of tweezers, carefully remove the rear license plate.

100/18 Cut a N.A.R.T. decal from the sheet and place the decal in water until the decal starts to slide on the backing paper. Do not let the decal float off the backing paper.





100/19 Use a paint brush to moisten the area where you are going to apply the decal.

100/20 When the decal is ready, use a brush to slide the decal into place, gently brushing over any air bubbles.





100/21 Using the same method, apply a second N.A.R.T. decal as shown.



100/22 Apply a No. 1 decal to the rear of the model as shown. The dashed blue line shows the boot outline underneath the decal.

100/23 Apply a No. 1 decal to the right door. Leave a small gap between the bottom of the '1' and the gap of the door.





100/24 Apply a No. 1 decal to the left door in the same way. Leave the decals to dry completely (preferably overnight).

100/25 Once the decals have dried, use a sharp hobby knife with a new blade to gently pierce through the gaps (highlighted by the dashed blue lines steps 23–25). Take care not to rip the decals by dragging the blade.





100/26 Smooth the edges by carefully applying a decal softening solution. Use the brush to gently press the edges into the gap.

100/27 Leave the decal to dry, then carefully open the boot and apply some more softening solution to the edges.

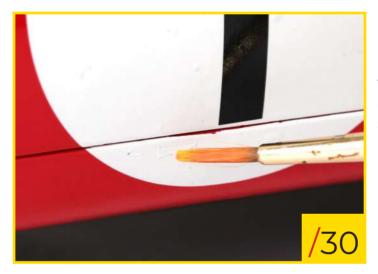




100/28 Repeat this method to finish the left and right door decals.

100/29 You can repair any damage using one of the spare decals. Cut out a small piece roughly the same size as the damaged area.





100/30 Place the small piece over the damaged area, then apply softening solution and leave to dry.



STAGE COMPLETE Here's how your model looks after applying the N.A.R.T. livery.