

Pack 12

LaFerrari

1:8 SCALE

THE ULTIMATE HYPERCAR
ULTIMATE PERFORMANCE
ULTIMATE STYLE

AGORA
MODELS®



STAGE 91 THE INVERTER COOLING UNIT

LIKE MOST ELECTRICAL DEVICES, LAFERRARI'S INVERTER PRODUCES A LOT OF HEAT DURING OPERATION. A SPECIAL DEVICE PROVIDES THE NECESSARY COOLING FOR IT.

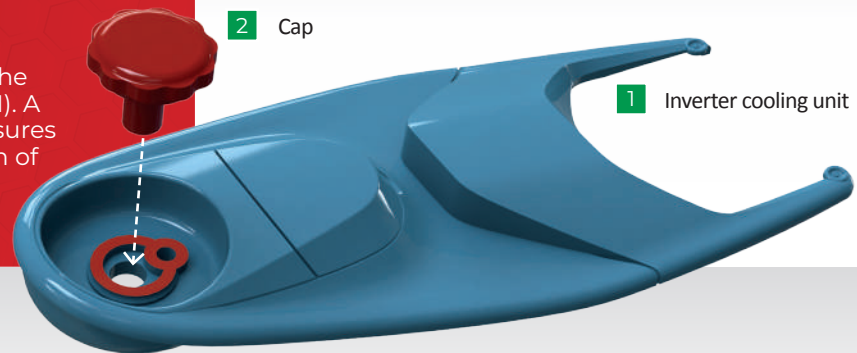
PARTS LIST

NO.	NAME	QUANTITY	MATERIAL
1	Inverter cooling unit	1	ABS
2	Cap	1	ABS
3	Tie rod	1	Metal



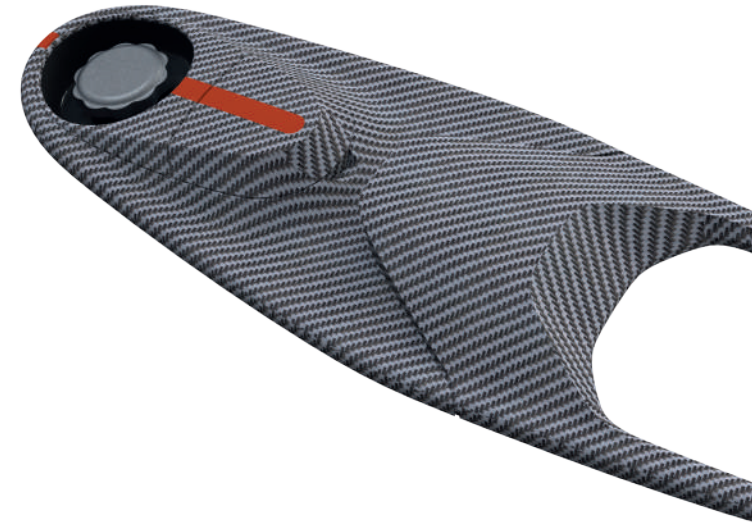
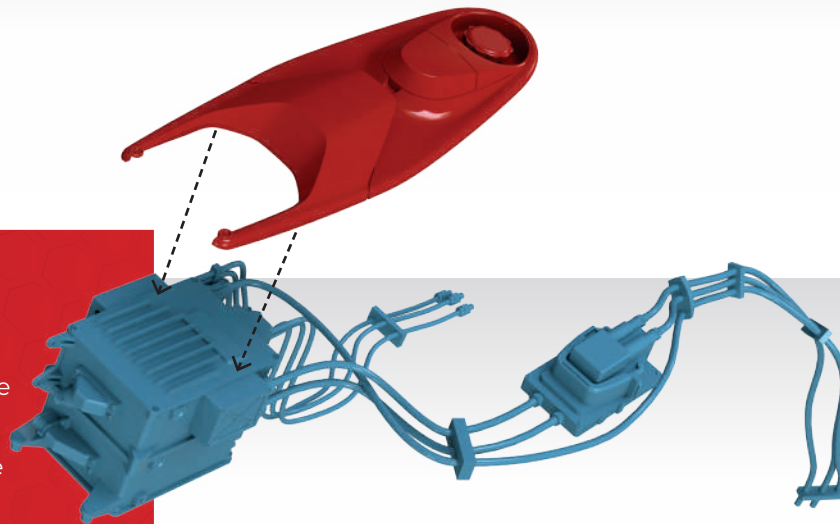
STEP 1

Attach the cap (2) to the inverter cooling unit (1). A small centring pin ensures the correct orientation of the parts.



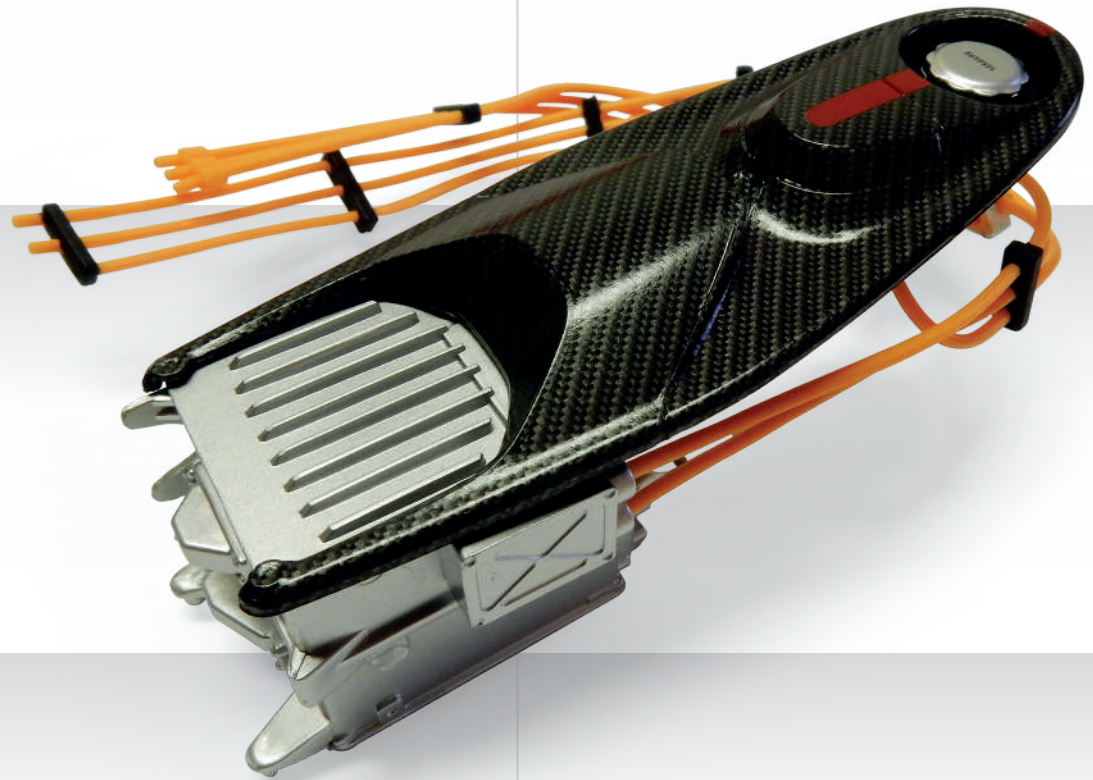
STEP 2

Using the two small mounting pins, attach the cooling device to the inverter. Take care when fitting not to damage the fragile parts.



STAGE COMPLETE

The inverter is now equipped with the appropriate cooling system. Carefully store the parts until they are needed in a later stage.

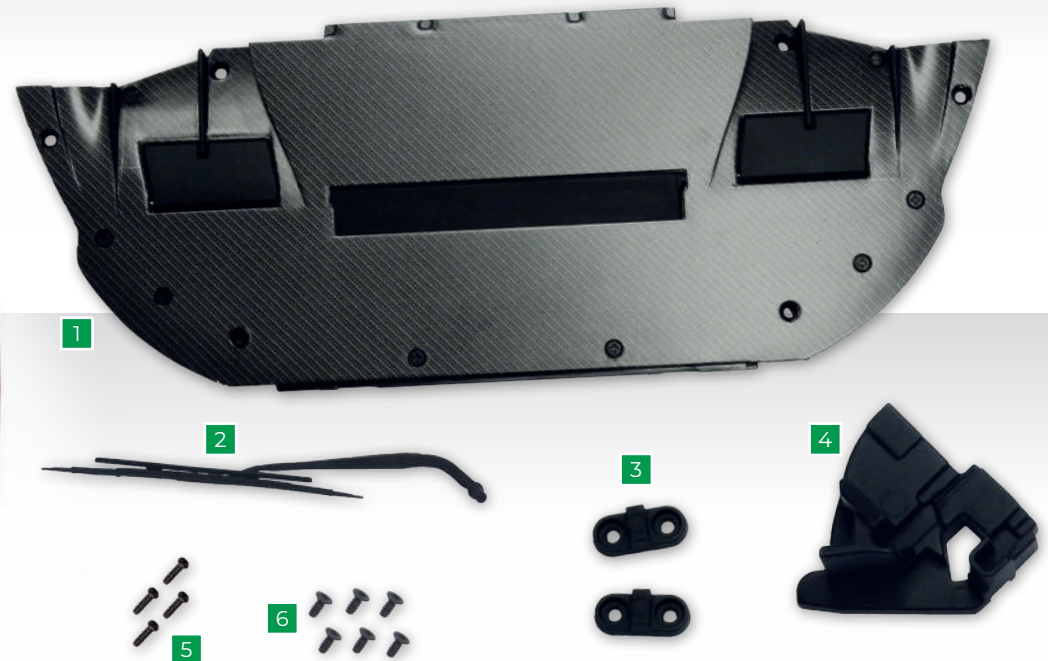


STAGE 92 THE FRONT UNDERTRAY

THE FRONT UNDERTRAY OF THE LAFERRARI HAS THREE MOVING ELEMENTS WHICH IMPROVE THE STABILITY OF THE CAR, ESPECIALLY AT HIGHER SPEEDS.

PARTS LIST

NO.	NAME	QUANTITY	MATERIAL
1	Front undertray	1	Varied
2	Windscreen wiper	1	ABS
3	Bracket	2	ABS
4	Detail	1	ABS
5	Screw type P	4	Metal
6	Screw type Y	6	Metal



STEP 1

Take the main assembly and lift up the bonnet. Remove the backing from the windscreen wiper tape, then insert the wiper blade between the bonnet and the windscreen. Stick the windscreen wiper to the shaped recess (circled).



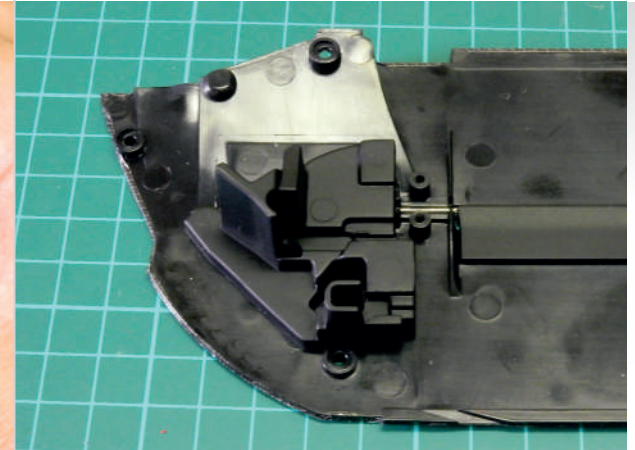
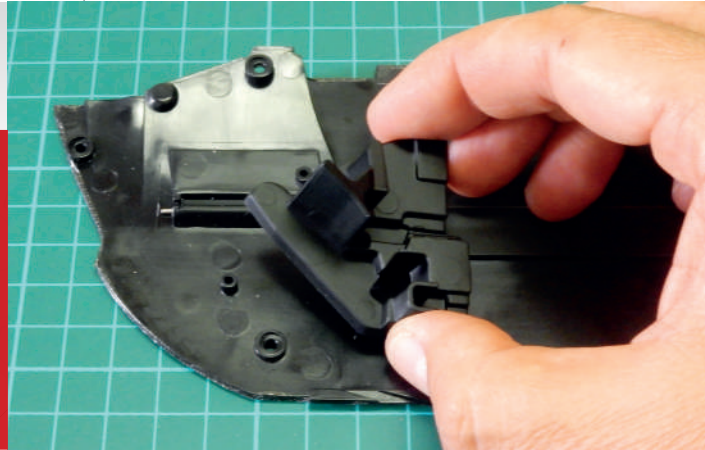
STEP 2

Once the wiper is securely fitted, close the bonnet.



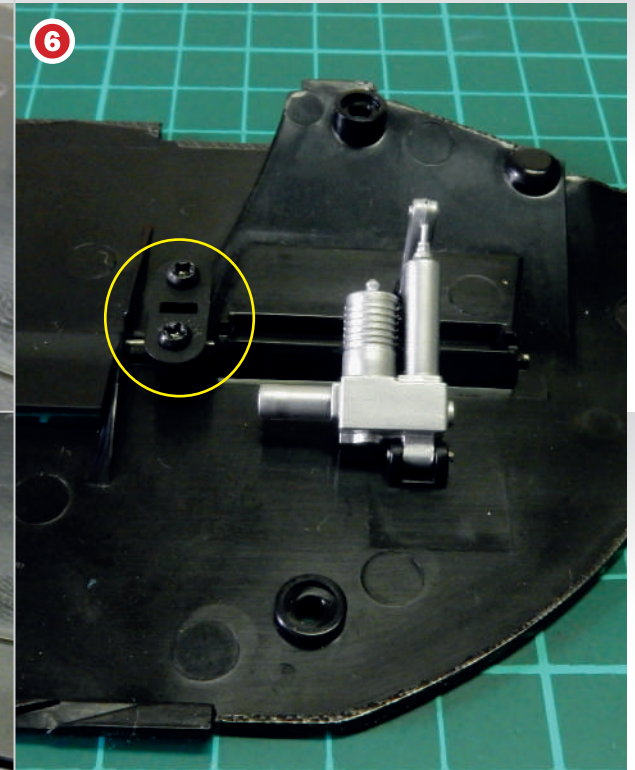
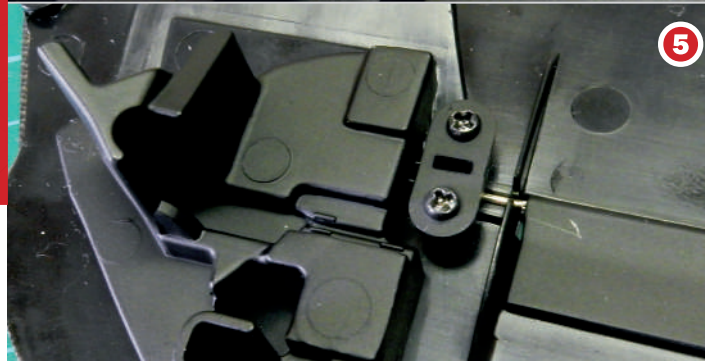
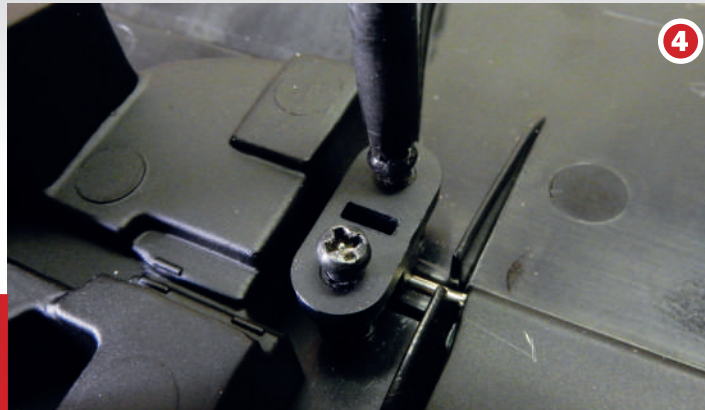
STEP 3

Take the front undertray and the detail then orient the parts as shown. Press the detail in place.



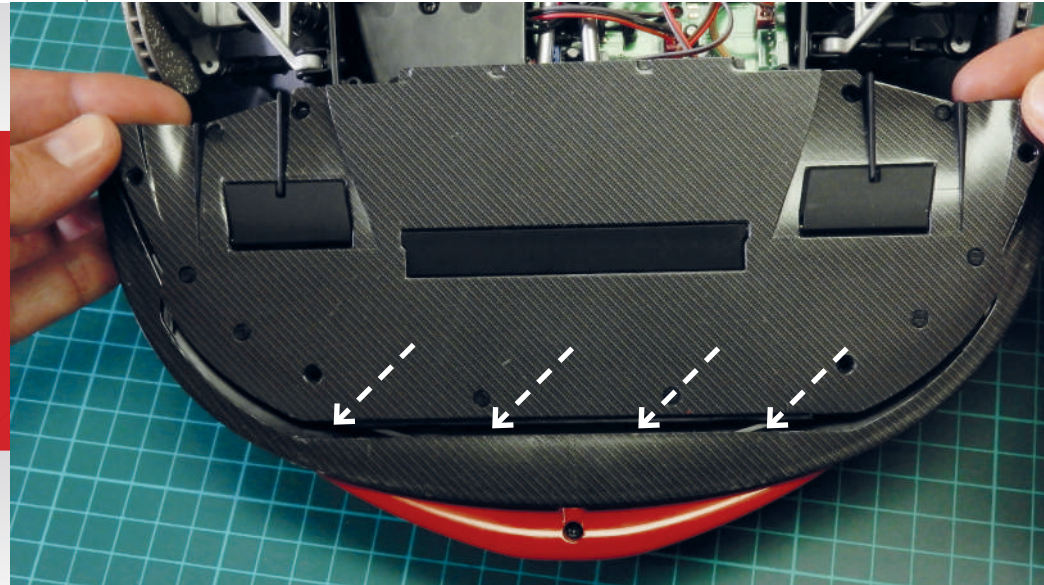
STEP 4 5 6

(4 and 5) Fit a bracket over the screw posts as shown then secure it using two type P screws.
(6) Fit the second bracket and secure it in the same way with two type P screws.



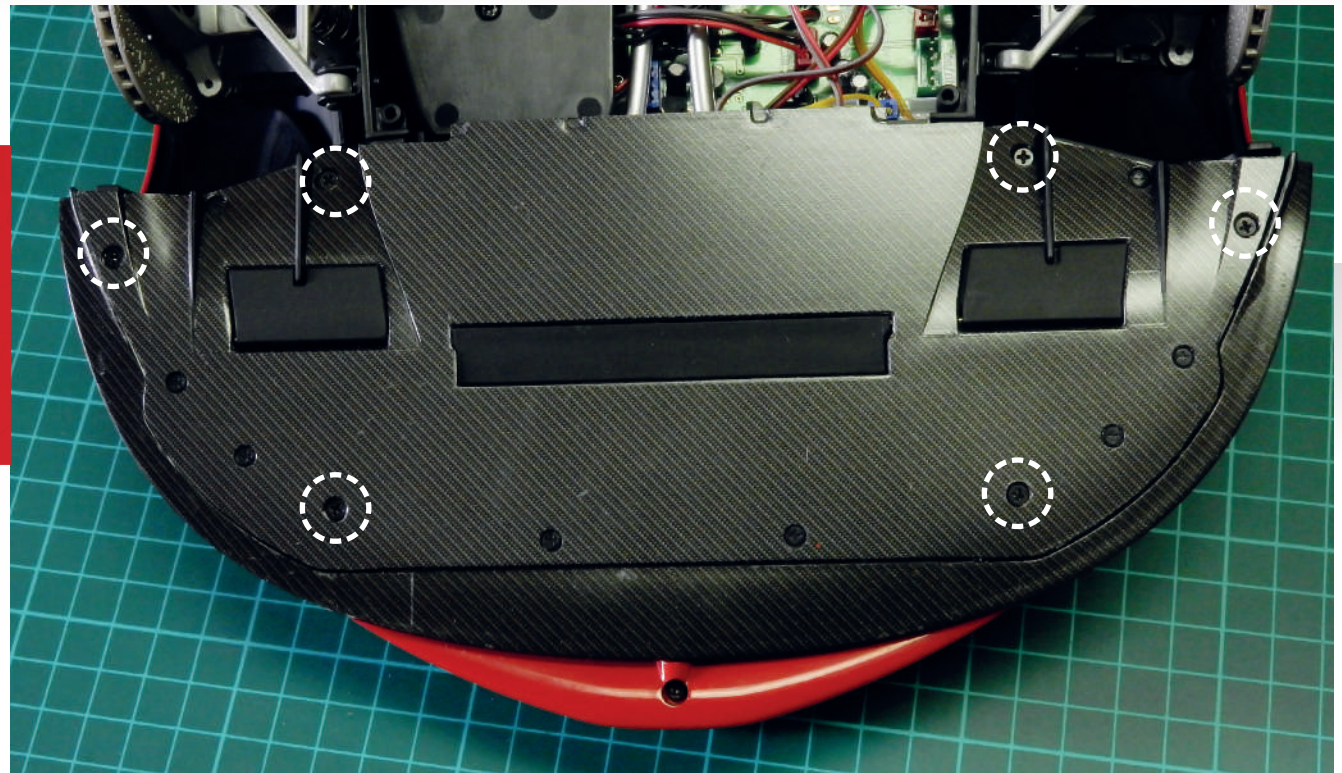
STEP 7

Place the main assembly upside down and align the front undertray with it. Insert the tabs into the nose as indicated by the arrows.



STEP 8

Check that the headlight LED wires are not in the way of the screws. Secure the undertray with six type Y screws (circled).

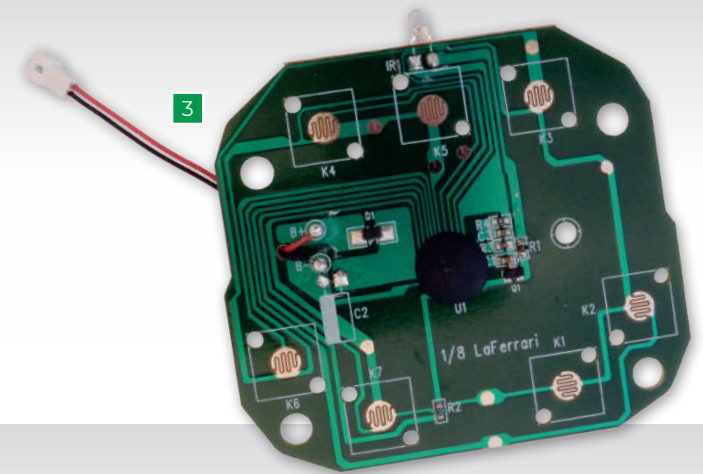


STAGE 93 THE REMOTE CONTROL

YOUR 1:8 SCALE REPLICA OF THE LAFERRARI HAS A NUMBER OF ELECTRONIC FUNCTIONS, SUCH AS OPENING AND CLOSING THE DOORS AND SWITCHING ON THE LIGHTS, WHICH CAN BE CONTROLLED REMOTELY.

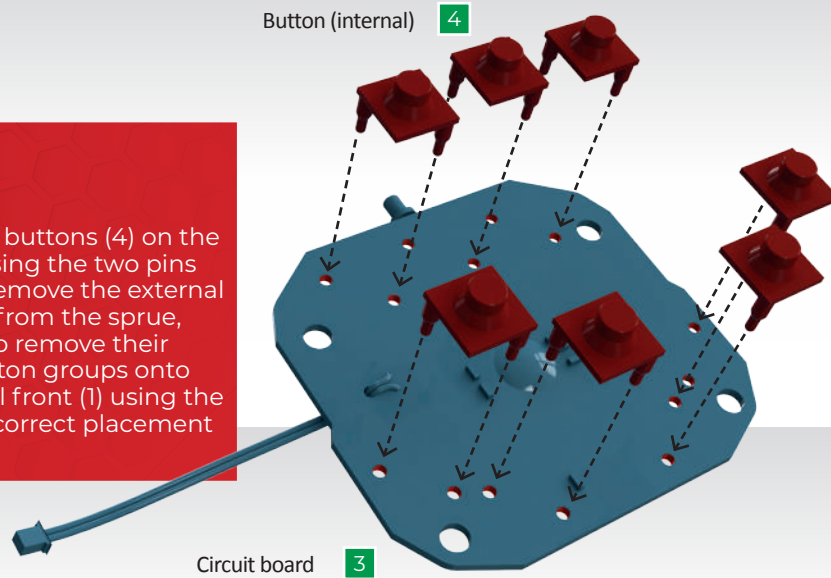
PARTS LIST

NO.	NAME	QUANTITY	MATERIAL
1	Remote control front	1	ABS
2	Remote control back	1	Varied
3	Circuit board	1	Varied
4	Button (internal)	7	Rubber
5	Button group (external)	1	ABS
6	Battery compartment cover	1	ABS
7	Plug	1	Rubber
7	Screw type E	5	Metal

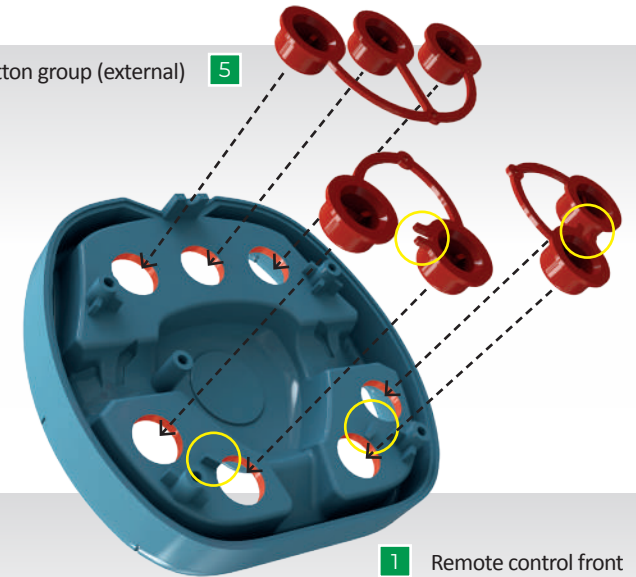


STEP 1

Install the internal buttons (4) on the circuit board (3) using the two pins on each button. Remove the external button groups (5) from the sprue, making sure not to remove their arches. Fit the button groups onto the remote control front (1) using the tabs to guide the correct placement (circled).



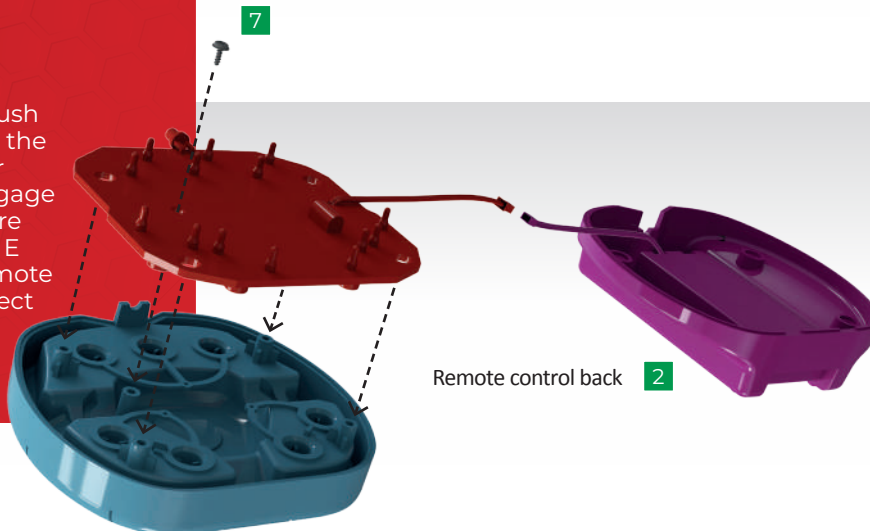
Button group (external) 5



1 Remote control front

STEP 2

Using the four pins, push the circuit board onto the front so that the inner and outer buttons engage with each other. Secure together using a type E screw (7). Take the remote control back (2), connect the wires then fit in place and fix using four type E screws (7).



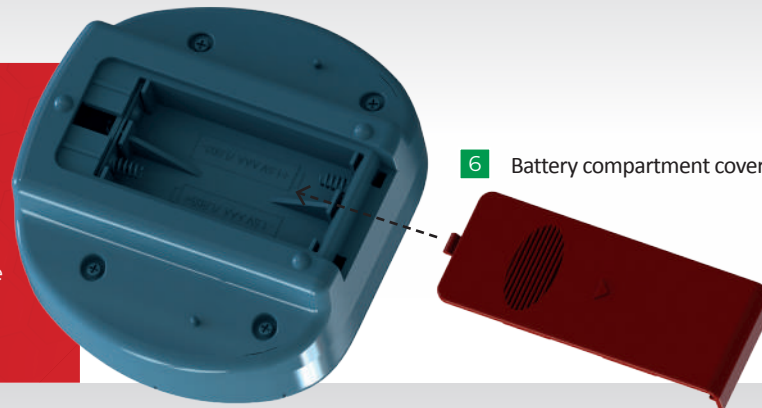
Remote control back 2

Remote control back 2



STEP 3

Slide the battery compartment cover (6) onto the back of the remote control as shown. Use the plug (7) to fill the small hole in the remote (arrow).



6 Battery compartment cover



STAGE COMPLETE

You have now completed the construction of the remote control for your 1:8 scale replica of the LaFerrari. The symbols printed on the outside of the buttons indicate all the automatic functions you can activate. We recommend storing the remote control carefully and inserting the batteries only after you have completed assembly of the entire model.



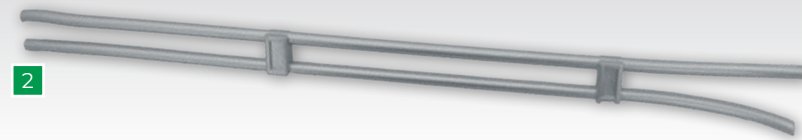
STAGE 94 THE REAR UNDERTRAY

THE REAR UNDERTRAY PLAYS A MAJOR ROLE IN DEFINING THE AERODYNAMIC PERFORMANCE OF THE SUPERCAR, GIVING IT MAXIMUM STABILITY AND GRIP.

PARTS LIST

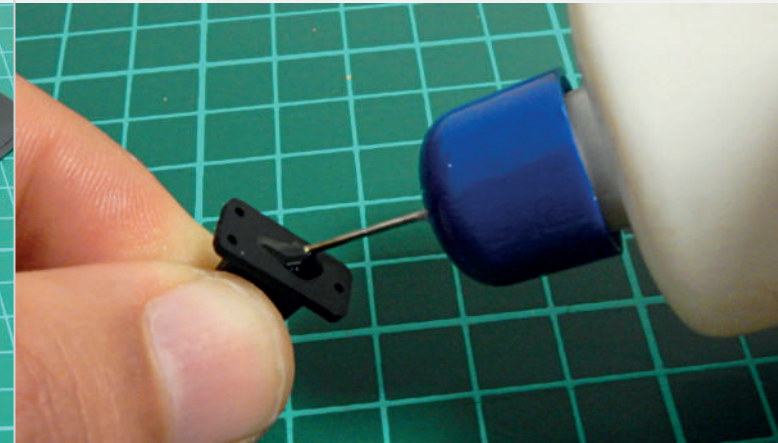
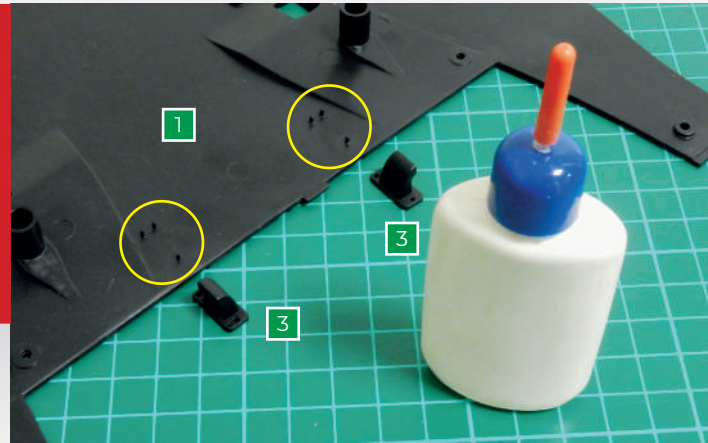
NO.	NAME	QUANTITY	MATERIAL
1	Rear undertray	1	ABS
2	Cooling sleeves	1	ABS
3	Black hook	2	ABS
4	Red hook	2	ABS
5	Column	2	ABS

The type DD screws provided in this stage will be used in stage 97. Keep them with the other screws for now.



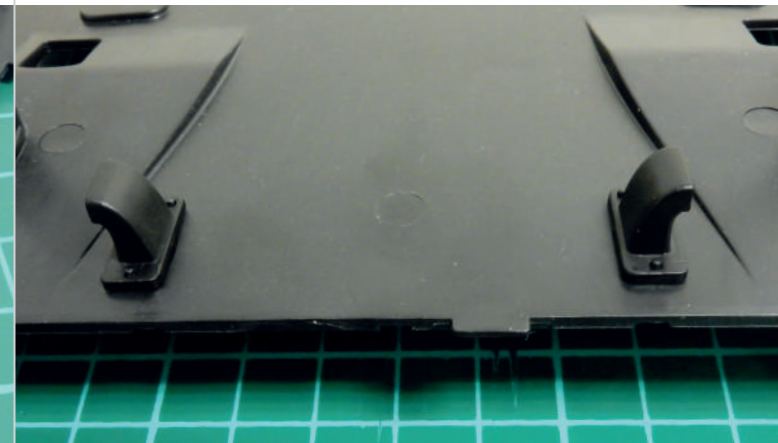
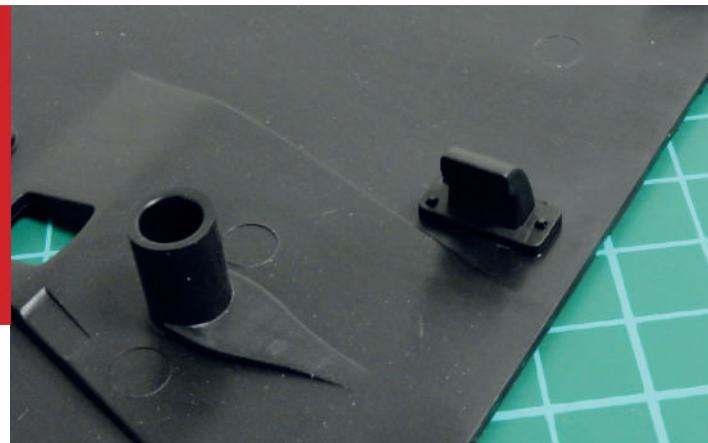
STEP 1

For this stage you will need plastic modelling glue. Take the rear undertray (1) and locate the three pins (circled). Take the black hooks (3) and apply a small drop of plastic glue to the base as shown.



STEP 2

Glue the hooks onto the rear undertray by fitting the holes onto the pins. Orient the hooks as shown in the far right image.



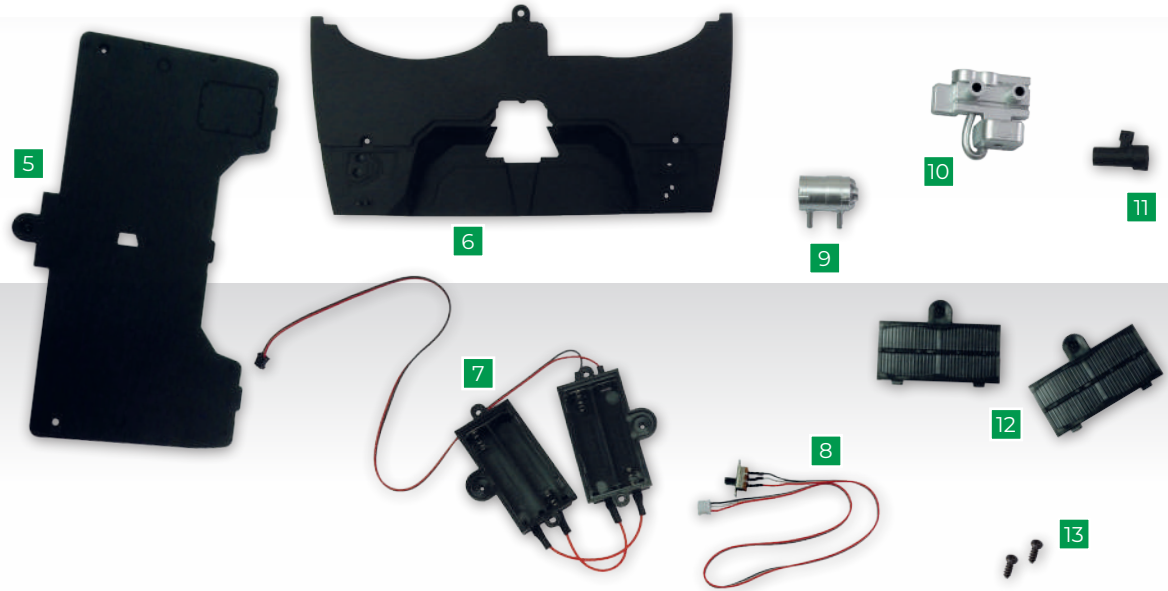
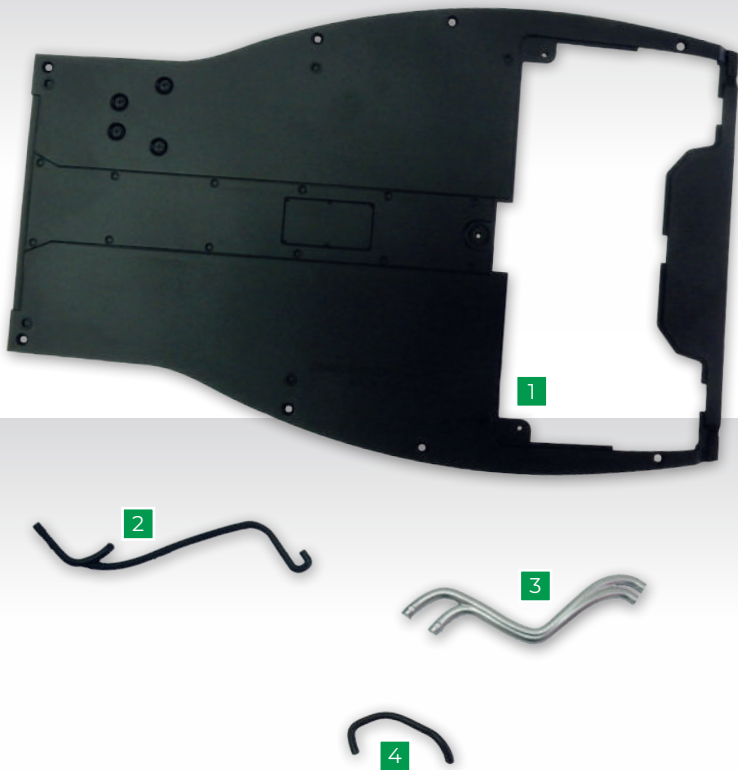
STAGE 95 THE BATTERY COMPARTMENT

YOUR 1:8 SCALE REPLICA
FEATURES NUMEROUS
FUNCTIONS, WHICH REQUIRE
ELECTRICAL POWER. FOUR AAA
BATTERIES PROVIDE THE
POWER, HOUSED IN A
HIDDEN COMPARTMENT.

PARTS LIST

NO.	NAME	QUANTITY	MATERIAL
1	Centre undertray	1	ABS
2	Pipeline 1	1	ABS
3	Pipeline 2	1	ABS
4	Pipeline 3	1	ABS
5	Undertray cover	1	ABS
6	Plate	1	ABS
7	Battery compartment	1	Varied
8	Switch with wiring	1	Varied
9	Detail A	1	ABS
10	Detail B	1	ABS
11	Detail C	1	ABS
12	Battery compartment cover	2	ABS
13	Screw type DD*	2	Metal

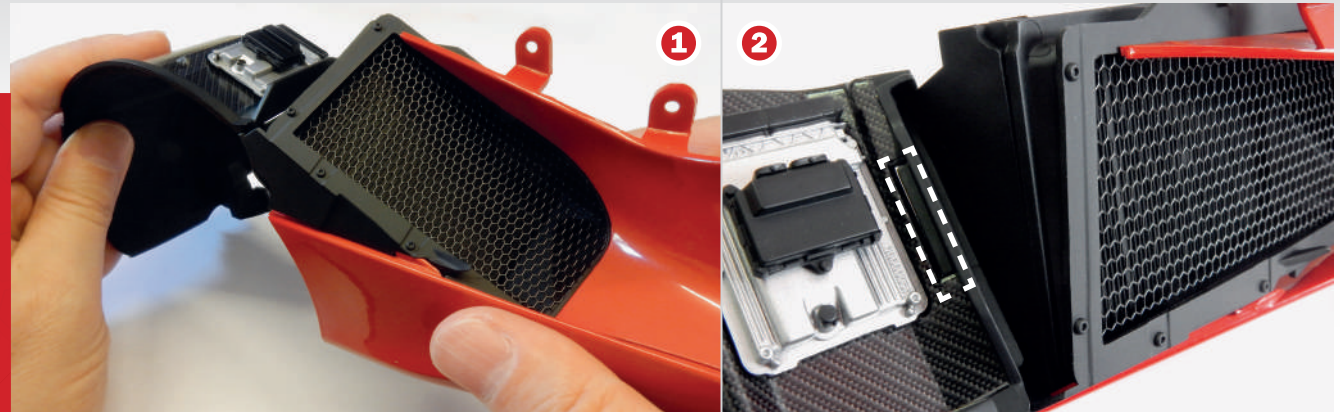
* Screws type DD were provided in stage 94



Type J and type AA screws are provided in this stage for use in the rest of the build. Store them with the other screws until needed.

STEPS 1 2

Take the side panel and fender assemblies from stages 50 and 70 and fit them together using the tab (dashed rectangle).



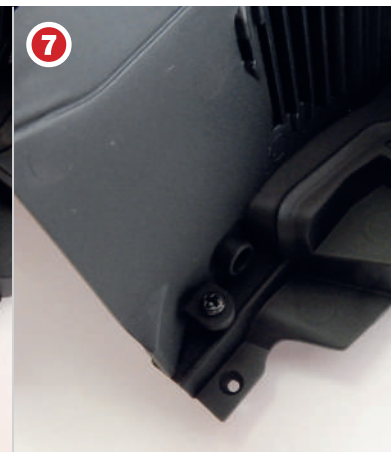
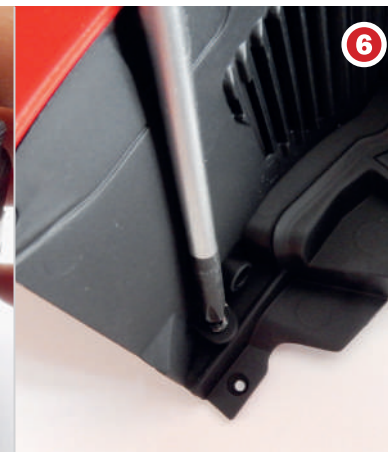
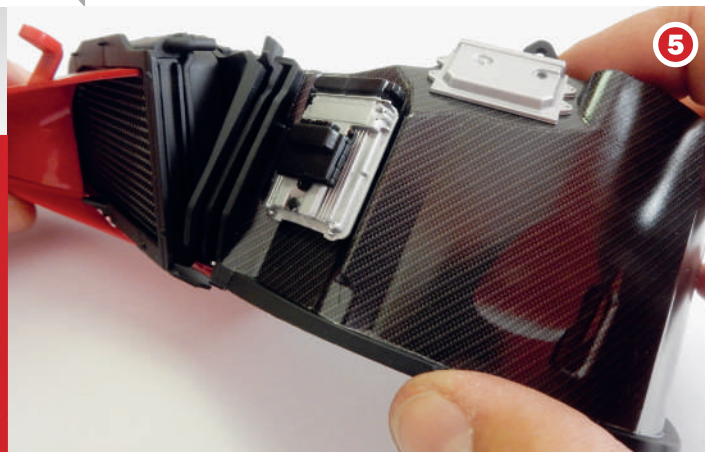
STEPS 3 4

(3) Secure the parts using a type DD screw (dashed circle).
(4) Press the two columns from stage 94 in place as shown.



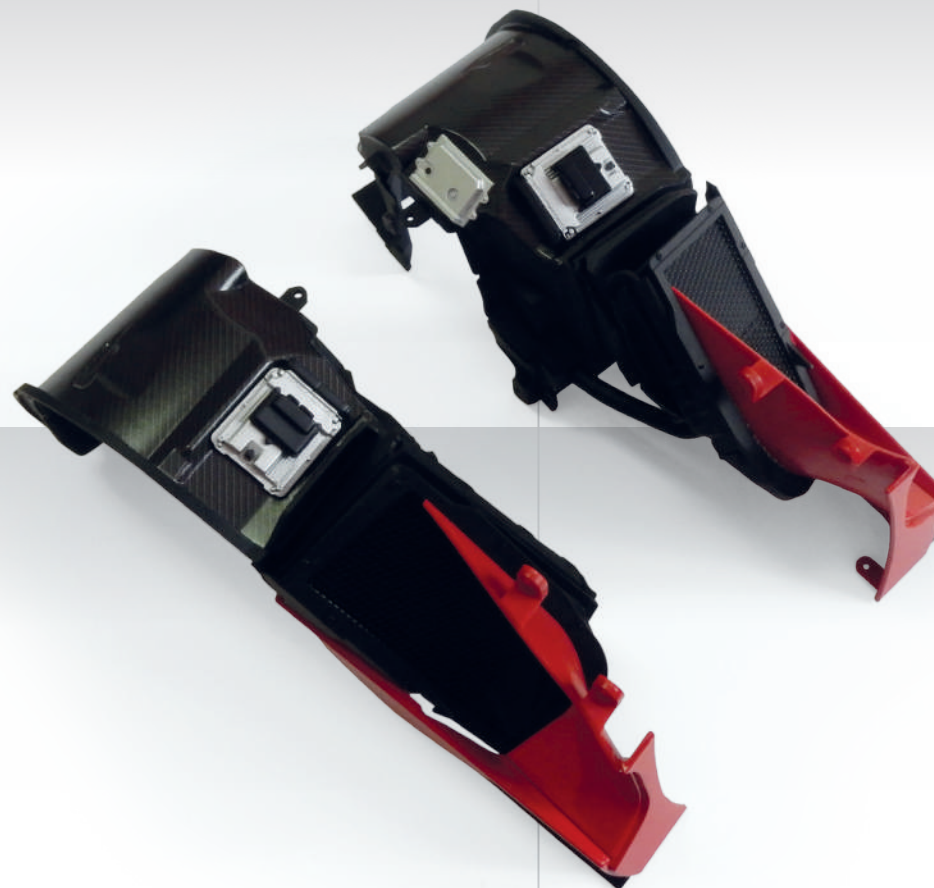
STEPS 5 6 7

(5) Take the side panel and fender assemblies from stages 49 and 69 and fit them together.
(6 and 7) Secure using a type DD screw.



STAGE COMPLETE

The two rear wheel arches are now complete and ready to be installed at a later stage. Keep them together with the other components supplied with this stage.



STAGE 96 THE REAR BOOT

SLEEK AND ELEGANT LINES CHARACTERISE THE REAR BOOT OF THE LAFERRARI, WHICH PROTECTS AND HIGHLIGHTS THE CAR'S SOPHISTICATED AND POWERFUL ENGINE THANKS TO ITS GLAZED SURFACE.

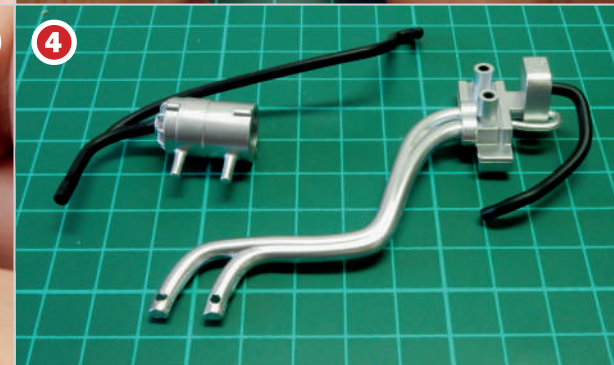
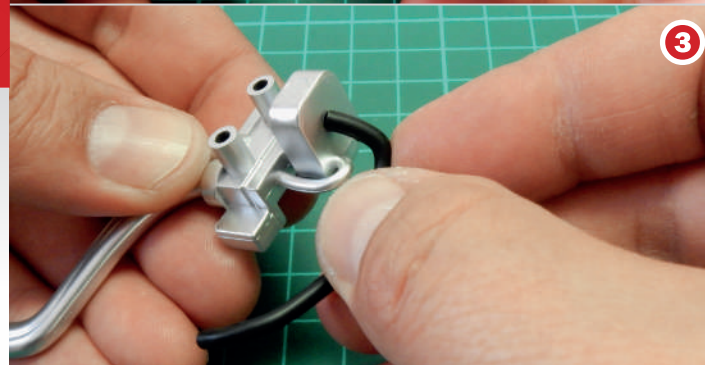
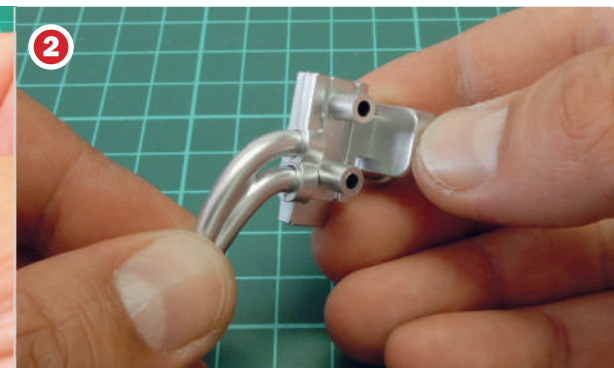
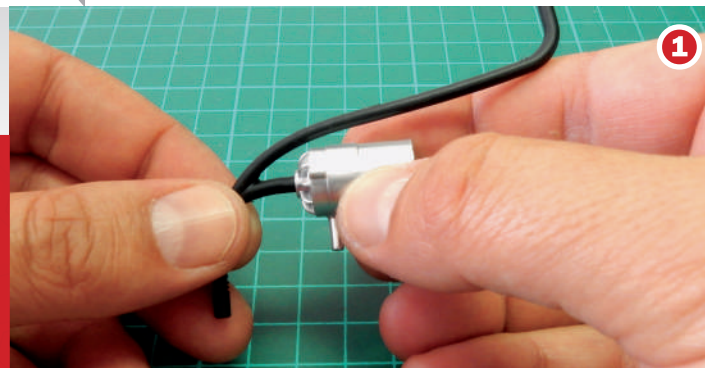
PARTS LIST

NO.	NAME	QUANTITY	MATERIAL
1	Rear boot	1	Varied
2	Side grille	2	Varied
3	Ferrari emblem	1	Varied
4	Screw type M	4	Metal



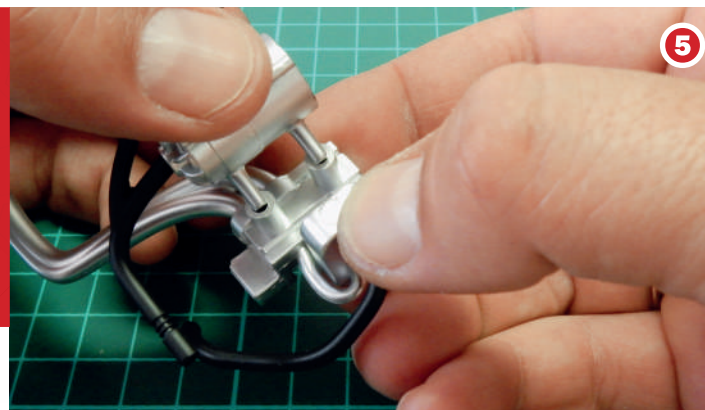
STEP 1 2 3 4

Take the pipelines from stage 95.
(1) Fit pipeline 1 into detail A.
(2) Fit pipeline 2 into detail B.
(3) Fit pipeline 3 onto detail B.
(4) The parts should look like this once assembled.



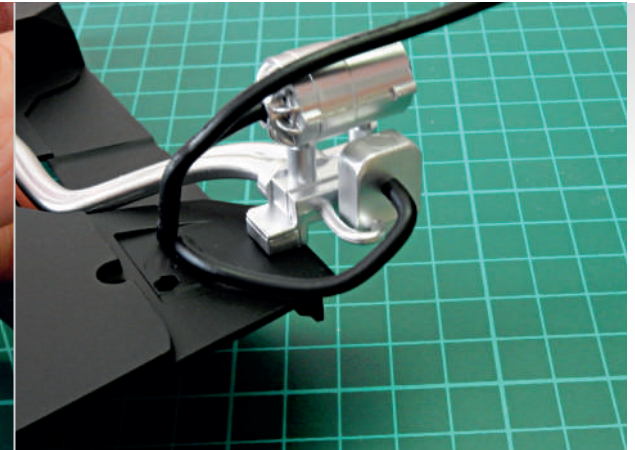
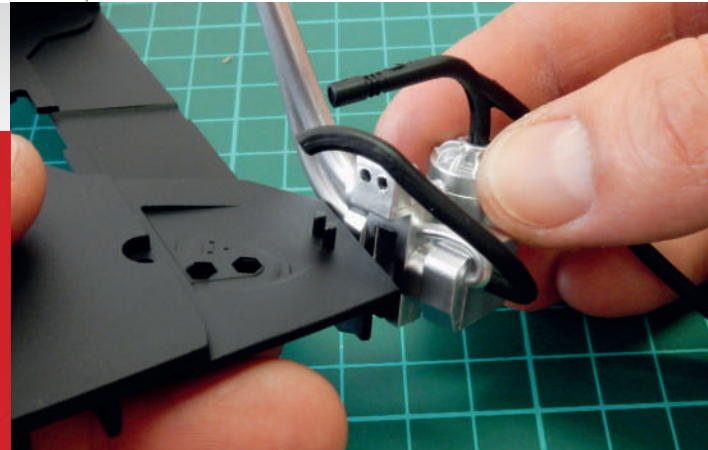
STEP 5 6

(5) Fit the two assemblies together by pressing the pins of detail A into the holes in B. The pins are different sizes to ensure the correct orientation.
(6) The parts should look like this once assembled.



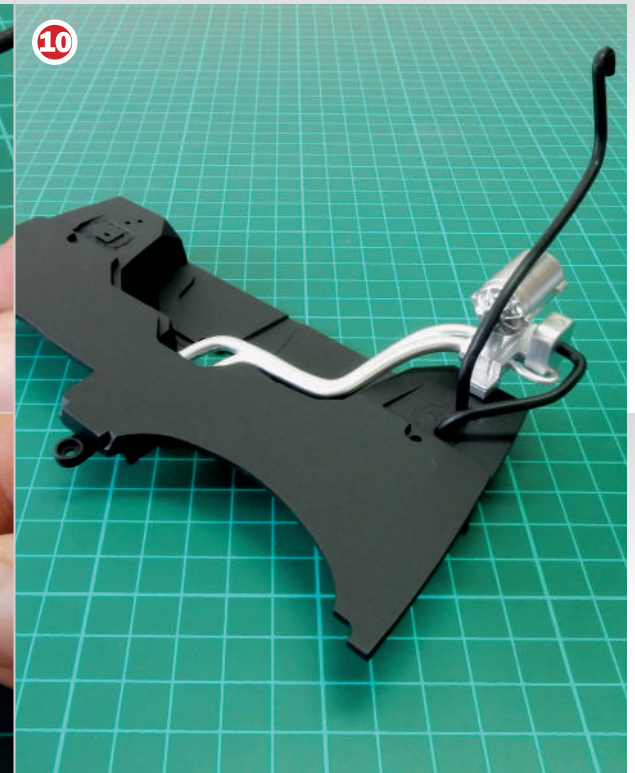
STEP 7

Fit the assembly onto the plate (stage 95) using the pins and holes as shown.



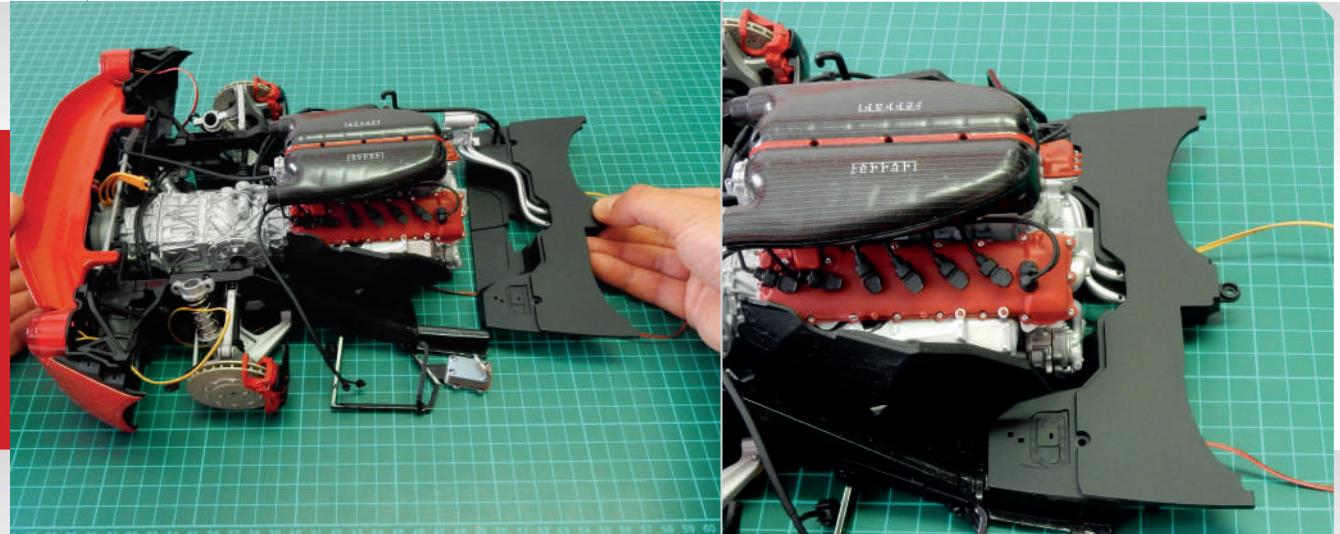
STEP 8 9 10

(8) Fit the end of pipeline 3 into the furthest hole.
(9) Fit the end of pipeline 1 into the closest hole.
(10) The parts should look like this once assembled.



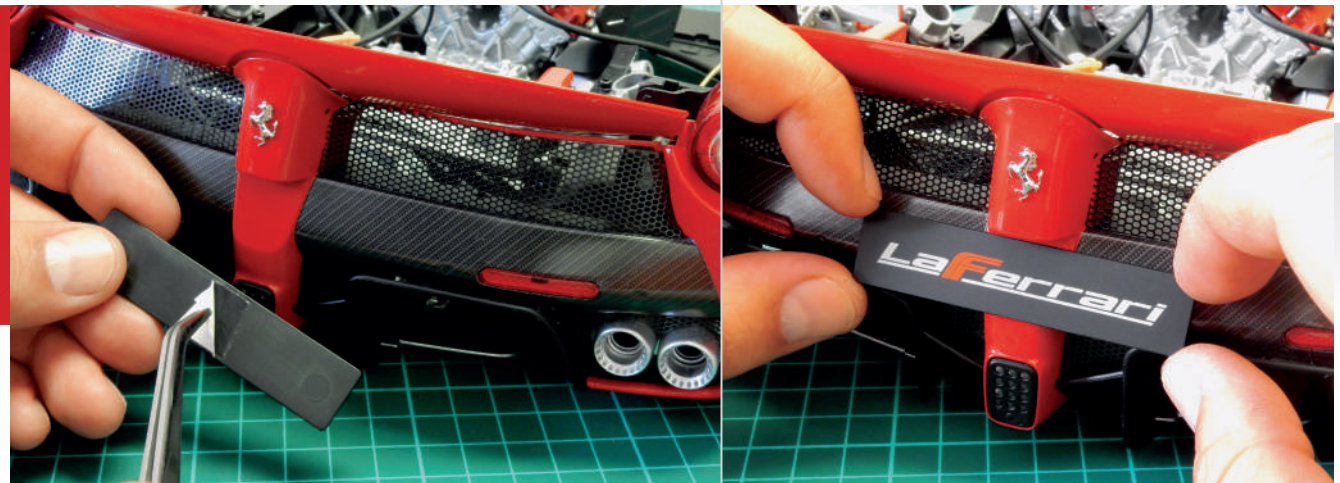
STEP 11

Align the plate with the rear end assembly (stage 86) then fit into place as shown. It will be secured in a later stage.



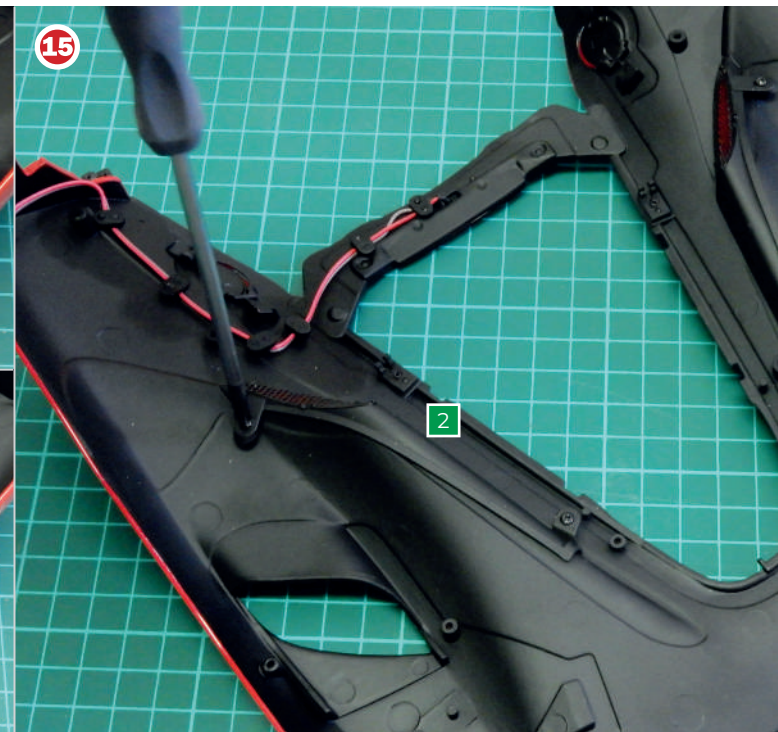
STEP 12

Retrieve the rear number plate (stage 1). Remove the backing from the adhesive tape then stick the number plate in position as shown.



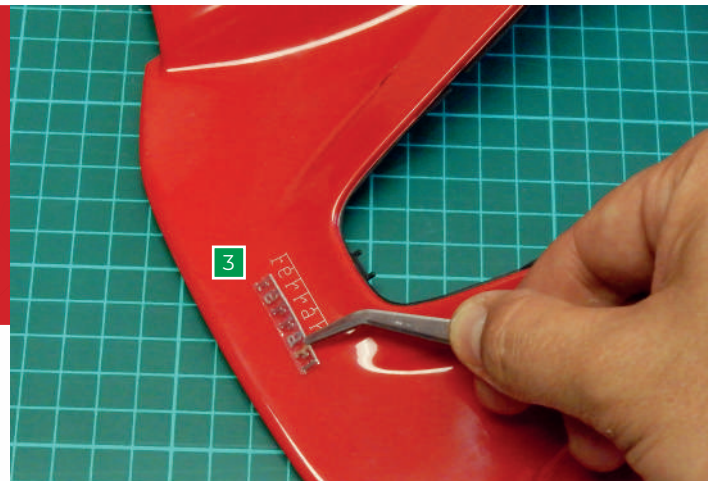
STEP 13 14 15

(13) Take the rear boot supplied with this stage and fit the side grille in place.
(14) Secure using two type M screws.
(15) Repeat for the side grille on the opposite side.



STEP 16

To protect the surface of the rear boot during transport, a layer of silicone oil was applied. Wipe it off with a dry, soft cloth then apply the Ferrari emblem, using the stamp on the boot as a guide.



STAGE 97 THE REAR BOOT INTERIOR

THE REAR BOOT OF THE LAFERRARI, UNDER WHICH THE POWERFUL HYBRID ENGINE IS PROUDLY DISPLAYED, HAS MANY RICH DETAILS, ALL CAREFULLY REPLICATED ON YOUR MODEL.

PARTS LIST

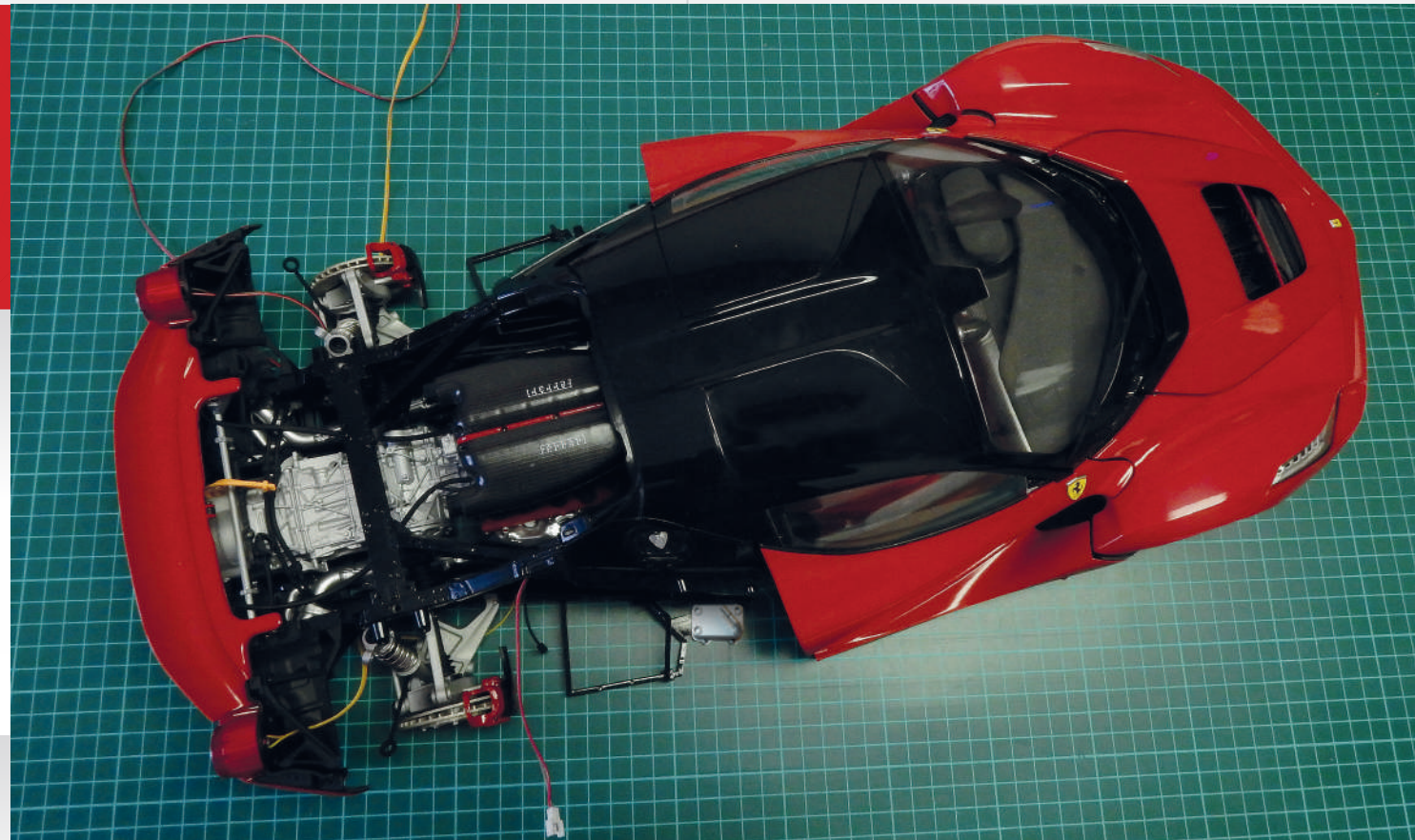
NO.	NAME	QUANTITY	MATERIAL
1	Detail A	2	ABS
2	Detail B	2	Metal
3	Grille	2	Metal
4	Tie rod	2	Metal
5	Tie rod fulcrum	2	ABS
6	Screw type DD*	4	Metal
7	Screw type M	4	Metal
8	Screw type H	6	Metal
9	Screw type CC	4	Metal

* Screws type DD were provided in stage 94



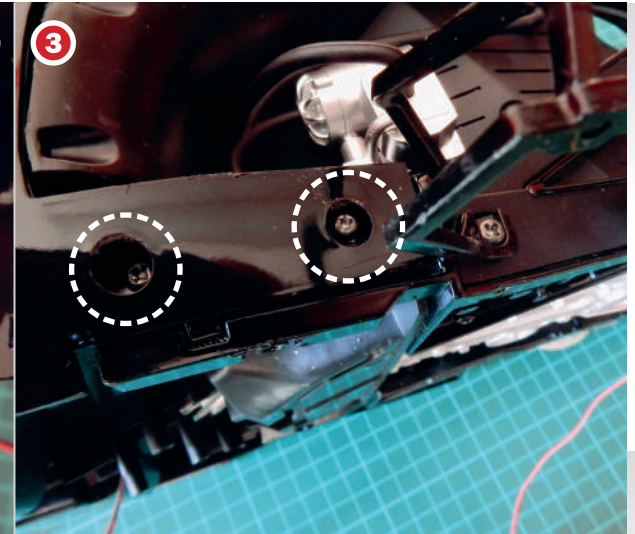
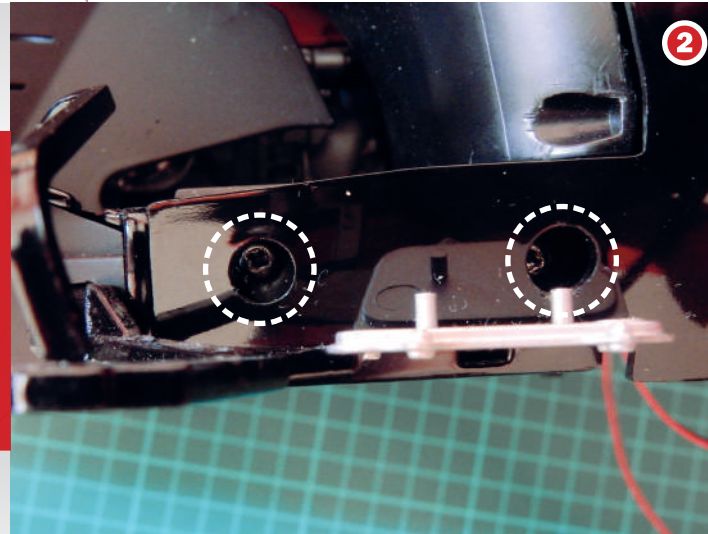
STEP 1

Now you'll join the front and rear assemblies together. Read through the following steps carefully to identify the connection points, then fit the parts together as shown.



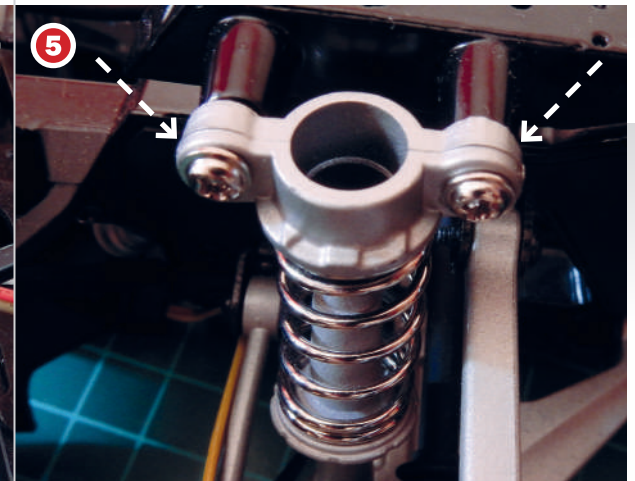
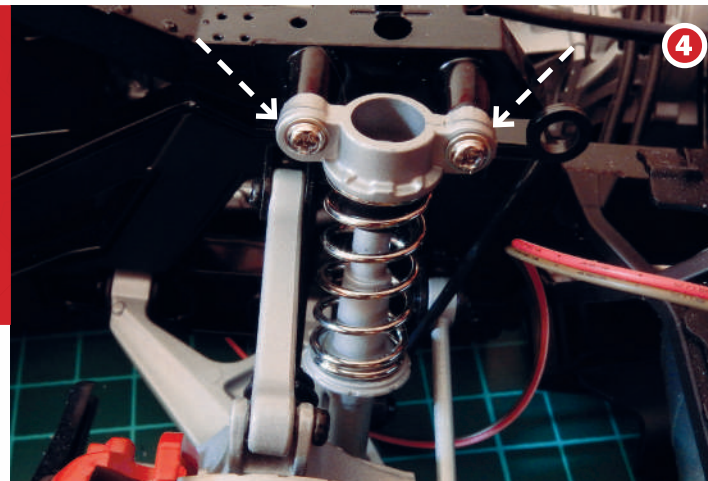
STEP 2 3

(2) The first connection is located behind the right-hand door. Insert two type H screws into the circled areas.
(3) Repeat this on the opposite side of the model.



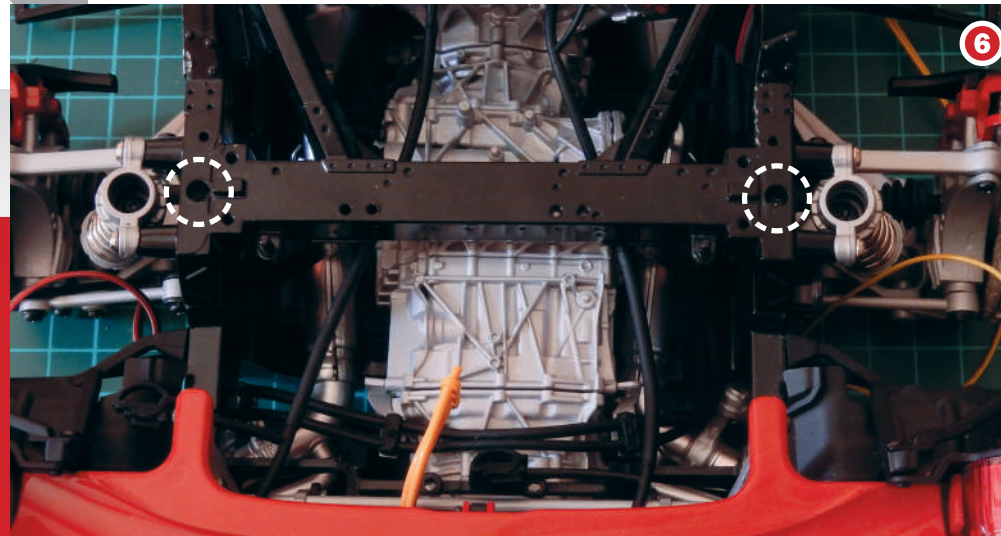
STEP 4 5

Attach the upper part of the two shock absorbers using four type CC screws.



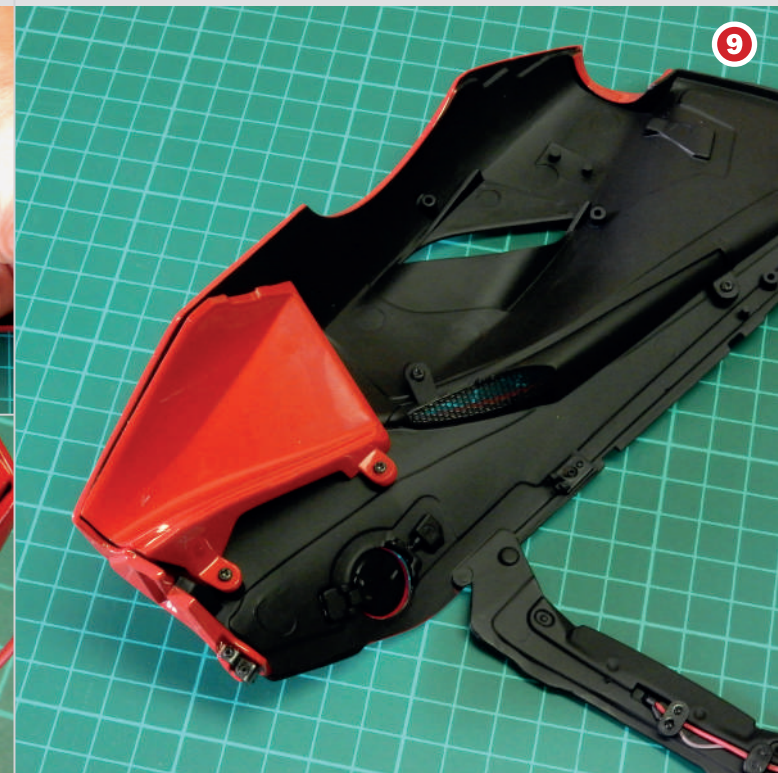
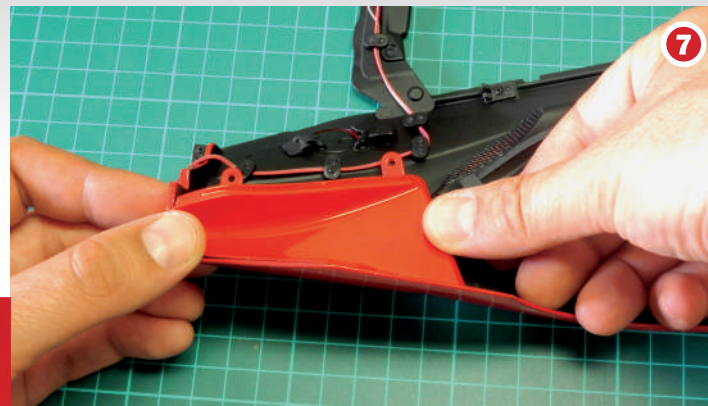
STEP 6

Secure the connection points on top of the chassis (circled) using two type H screws.



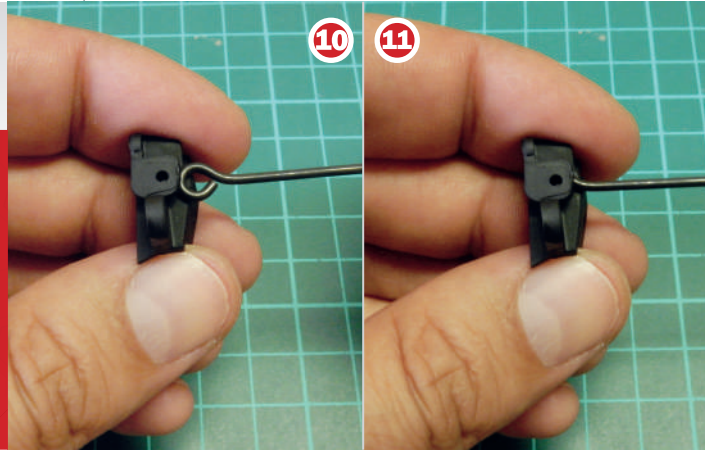
STEP 7 8 9

(7) Next you will prepare the rear boot. Fit detail A in place as shown.
(8) Secure using two type DD screws.
(9) Repeat this operation on the opposite side with the second detail A.



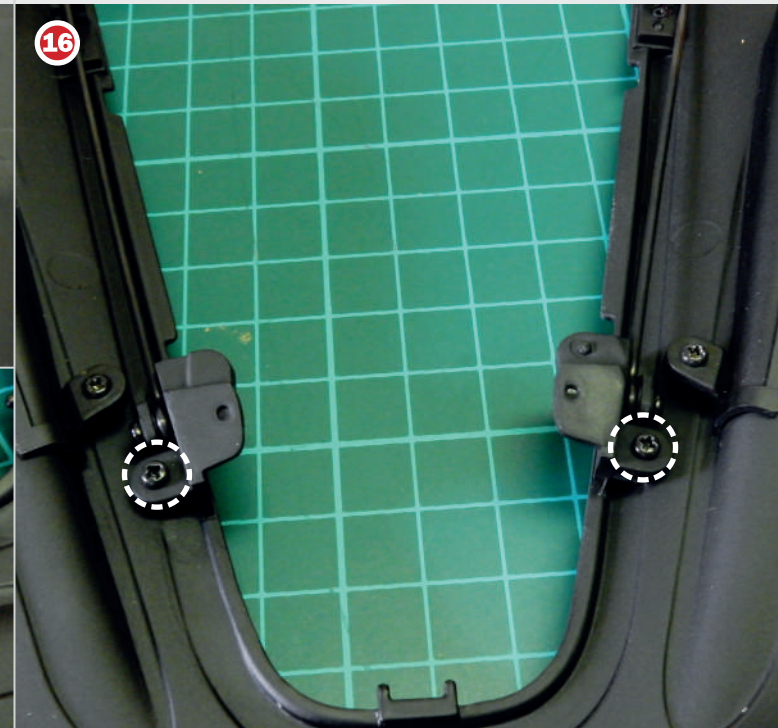
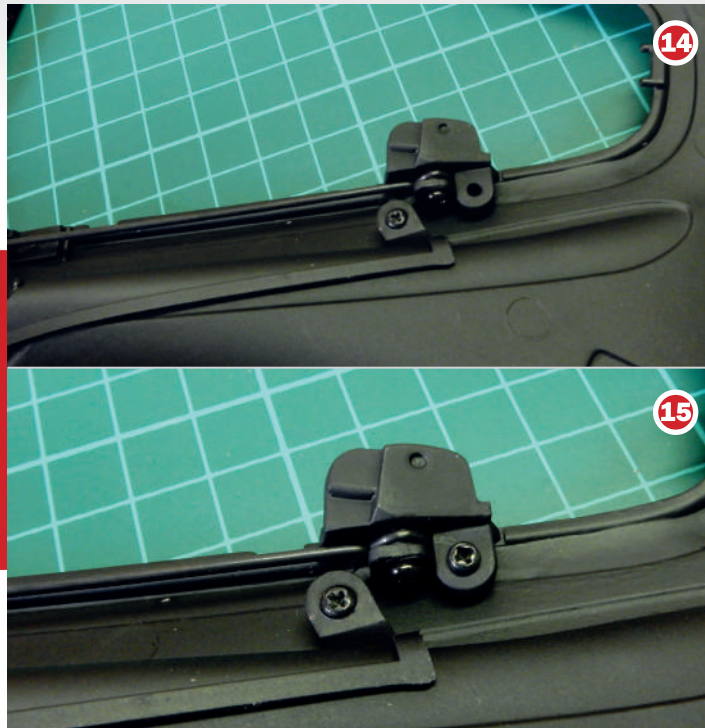
STEP 10 11 12 13

(10 and 11) Insert the slot of a tie rod into one of the fulcrums.
(12) Insert a type P screw to secure the two components. The tie rod should be able to swing.
(13) Repeat this to build a second tie rod and fulcrum.



STEP 14 15 16

(14 and 15) Mount the two fulcrums on the lower face of the rear boot, near the opening where the glass will be located.
(16) Secure the fulcrums to the boot using two type M screws.



STAGE 98 THE INTAKE DUCTS

THE AIR REQUIRED BY THE ENGINE IS DRAWN THROUGH TWO LARGE DUCTS ON THE REAR BOOT OF THE CAR.

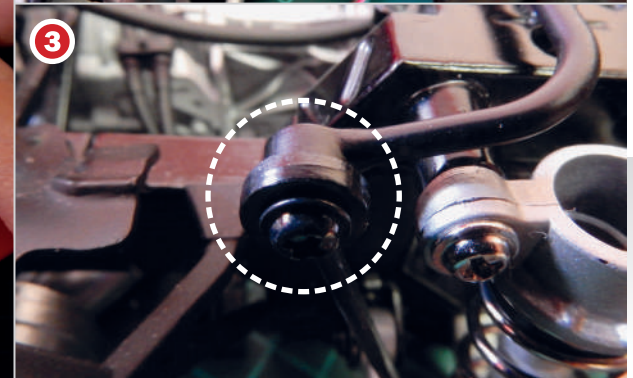
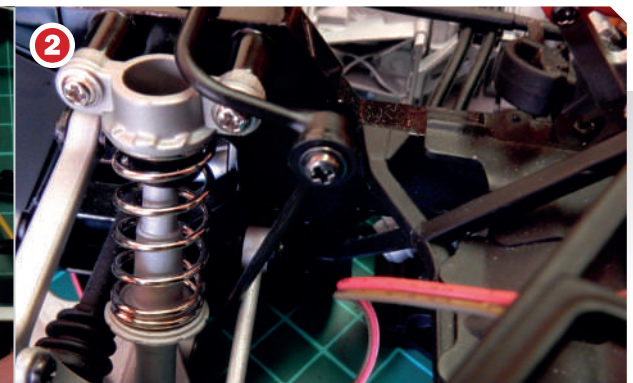
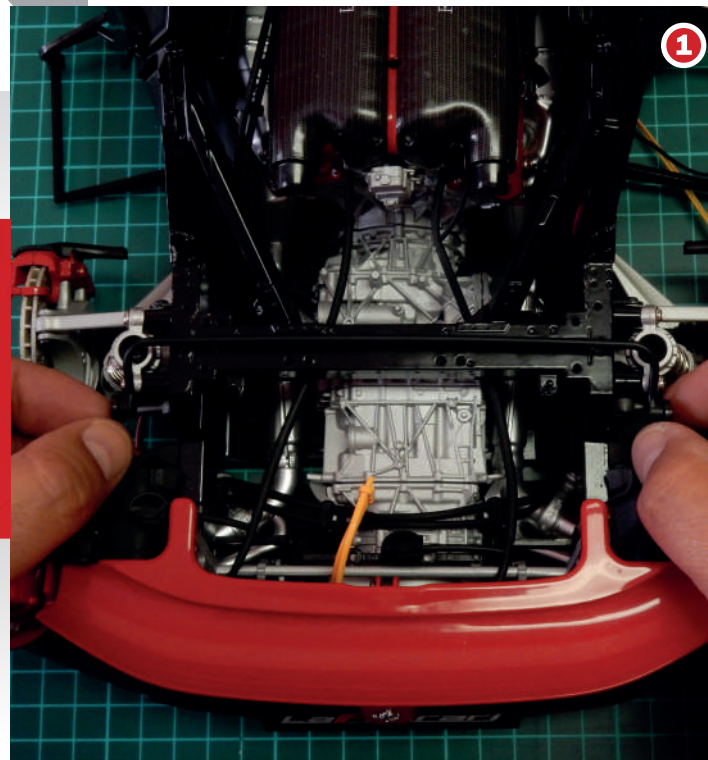
PARTS LIST

NO.	NAME	QUANTITY	MATERIAL
1	Intake duct (inner)	2	ABS
2	Intake duct (outer)	2	ABS
3	Screw type L	2	Metal
4	Screw type D	4	Metal
5	Screw type B	5	Metal
6	Screw type R	2	Metal
7	Screw type M	4	Metal
8	Screw type AA	4	Metal



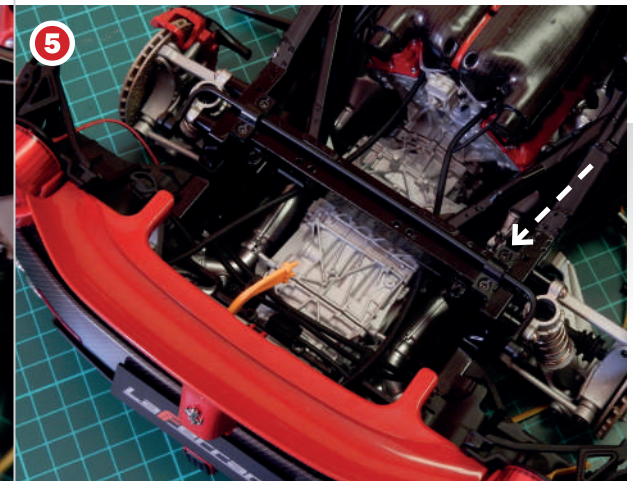
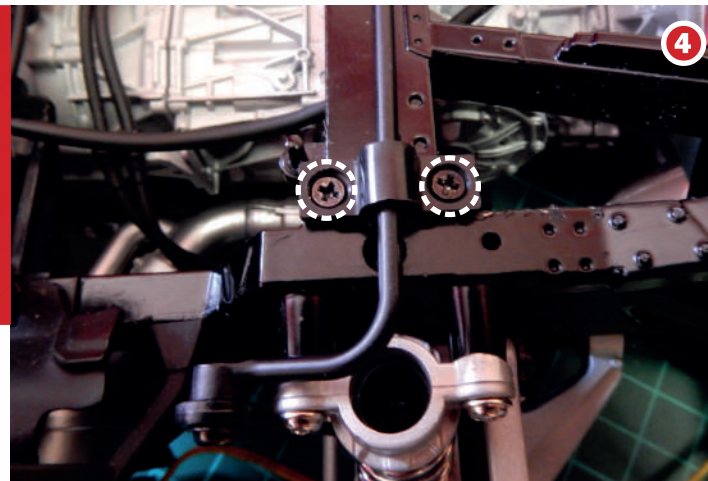
STEP 1 2 3

(1) Retrieve the stabiliser bar from stage 42.
(2 and 3) Put the bar in place and attach it to the long tie rods on the rear suspension using two type L screws.



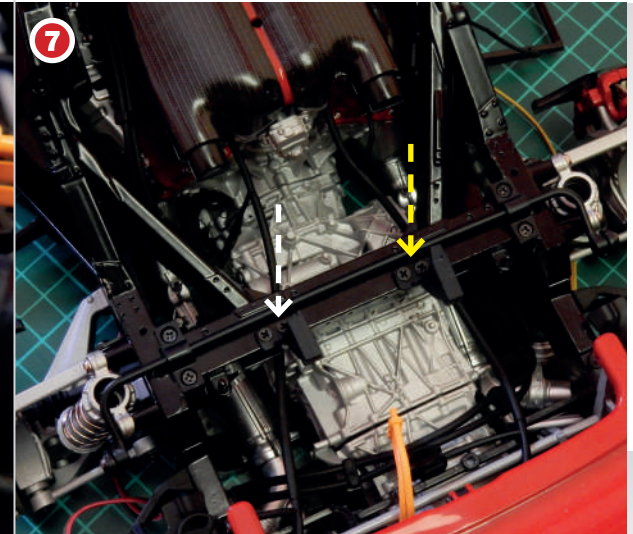
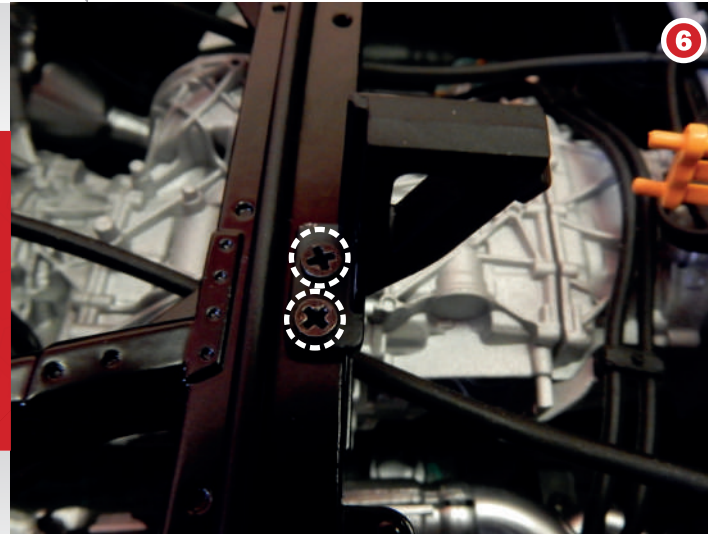
STEP 4 5

(4 and 5) Take the bar supports (stage 42) and attach them to the rear frame cross-member using four type D screws to hold the stabiliser bar in place.



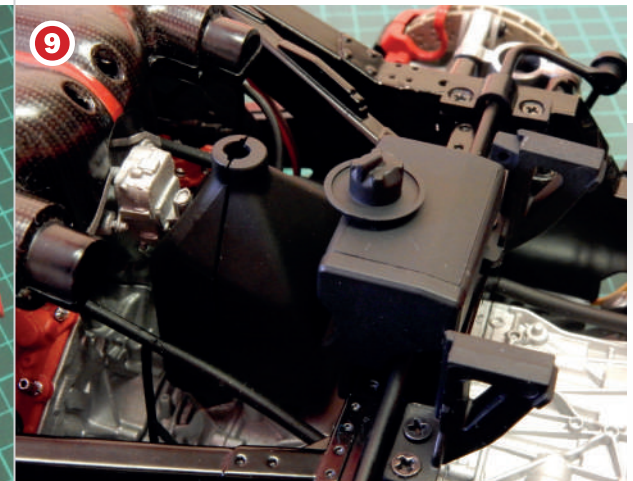
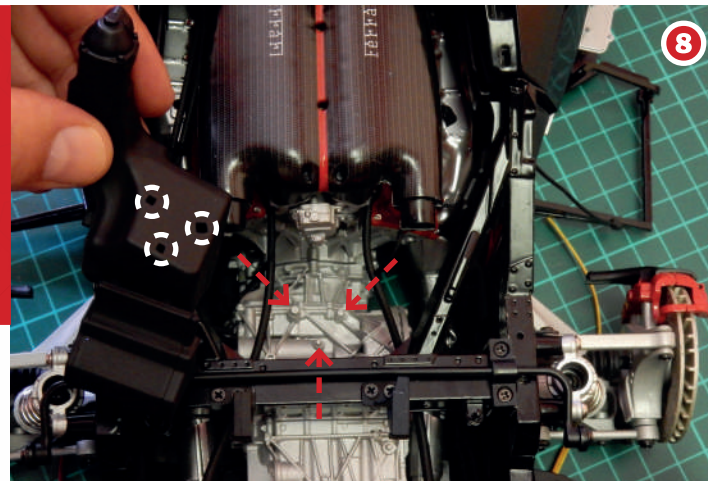
STEP 6 7

(6 and 7) Take the two brackets from stage 88 and secure them to the rear frame cross-member with four type AA screws. The brackets are different, fix the bracket with the protruding hole on the right-hand side (yellow arrow).



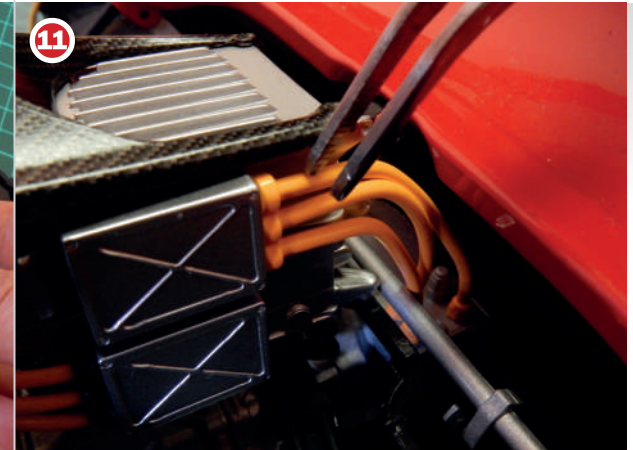
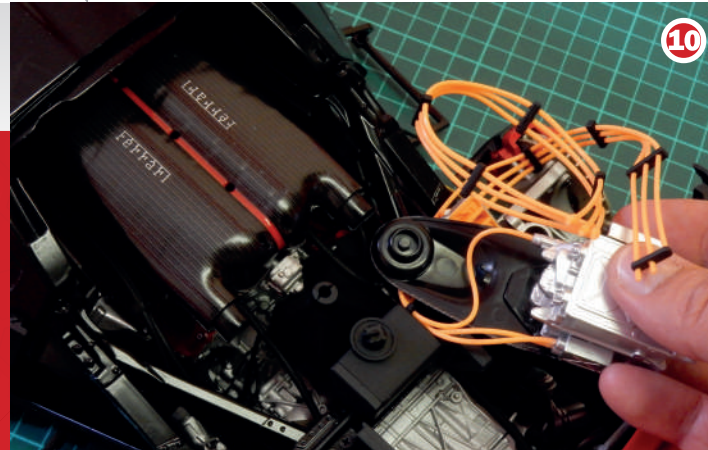
STEP 8 9

(8 and 9) Retrieve the oil vapour recovery tank assembly (stage 87). Place it into in the engine compartment using three pins and holes, highlighted with circles and arrows in the first image.



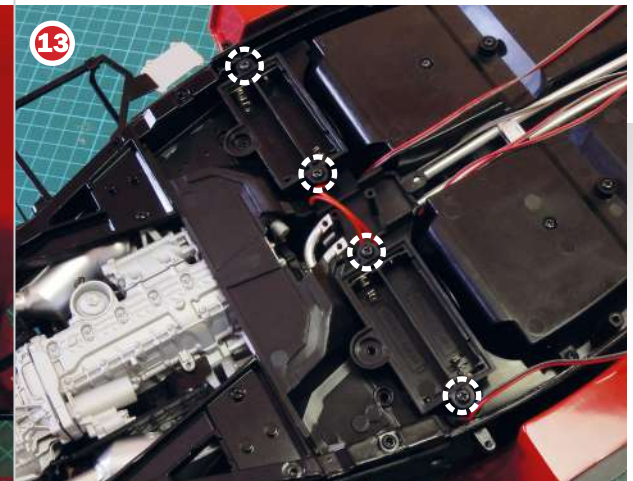
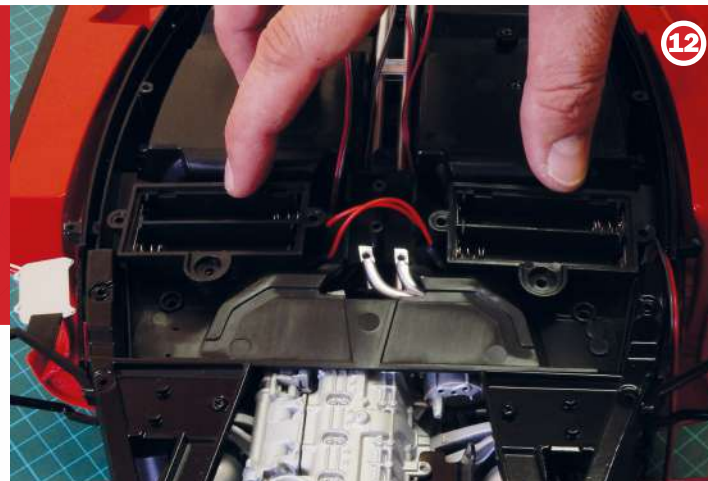
STEP 10 11

(10) Take the inverter assembly (stage 88) and place it in its correct position, coupling it with the oil tank.
(11) Using a pair of tweezers, make the connection shown in the second picture.



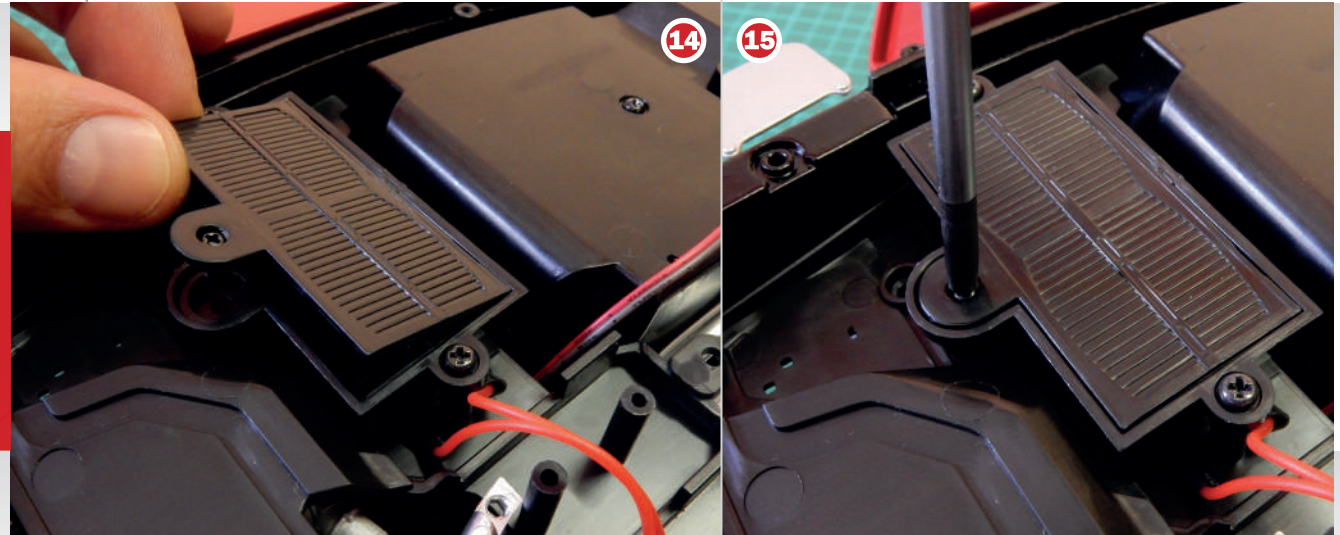
STEP 12 13

(12) Turn the model upside down and arrange the two elements of the battery holder (stage 95) as shown in the first image.
(13) Attach them to the model using two pairs of type B screws.



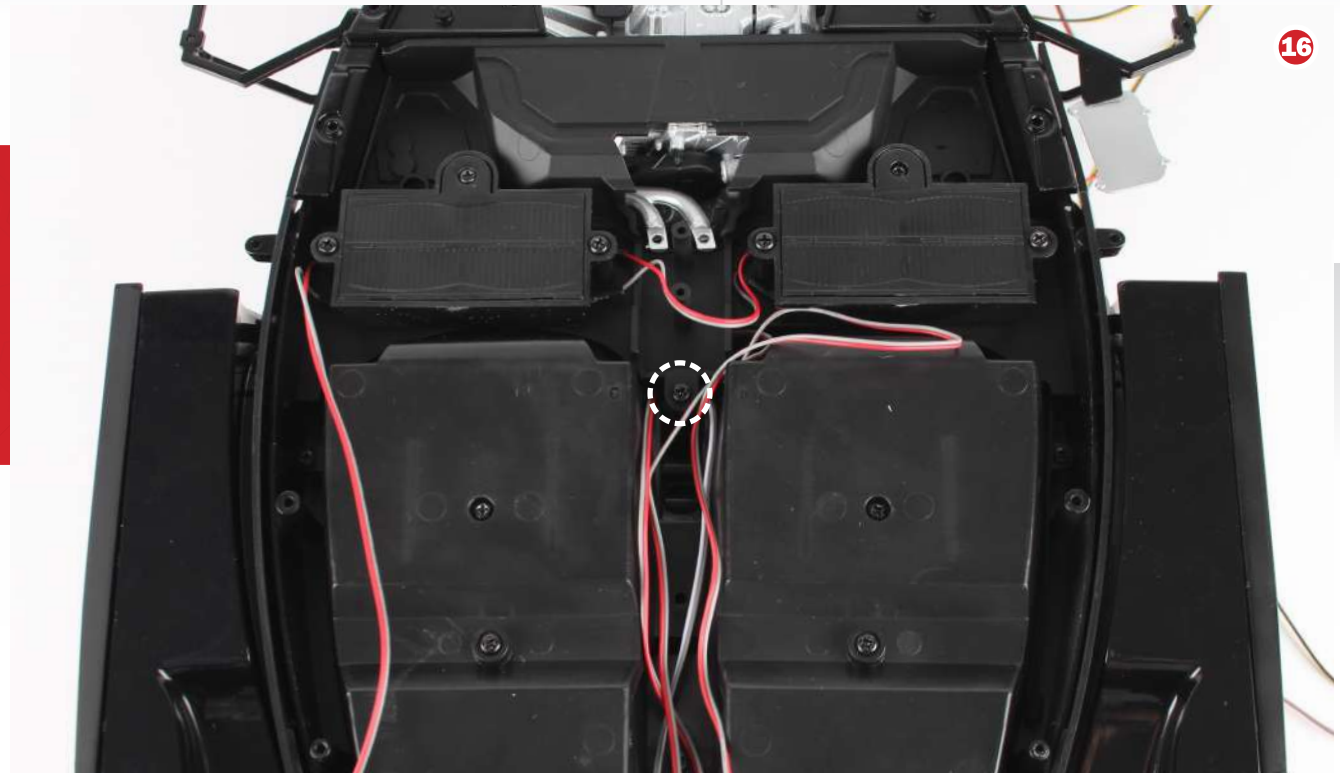
STEP 14 15

(14) Close the battery compartments with the battery covers (stage 95).
(15) Tighten the pre-installed screw to secure each cover.



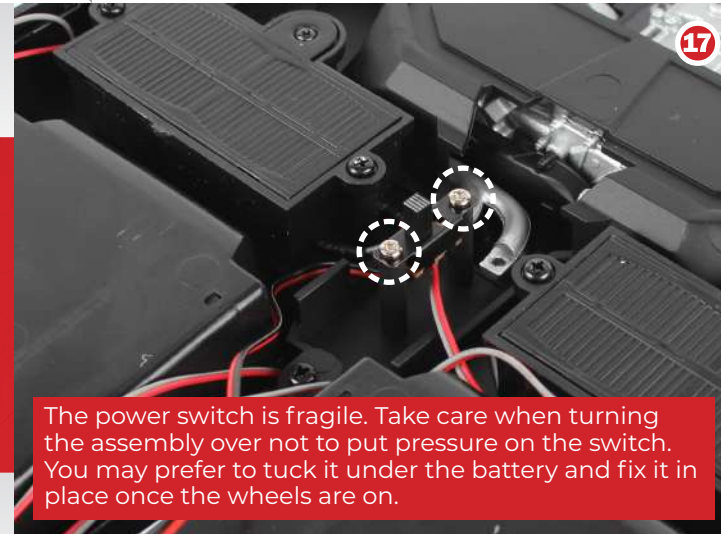
STEP 16

Drive a type B screw through the tab as indicated.

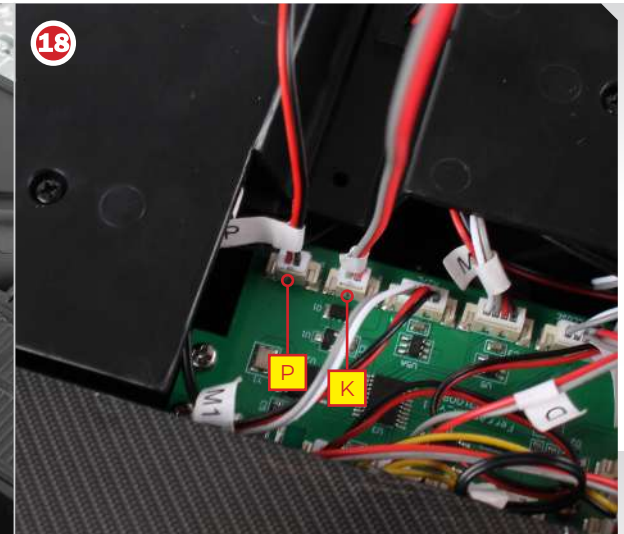


STEP 17 18

(17) Retrieve the switch with its wiring from stage 95. Place it in the position between the battery compartments and secure with two type R screws (circled).
(18) Plug the power switch ('P') and battery compartment ('K') into the corresponding sockets.

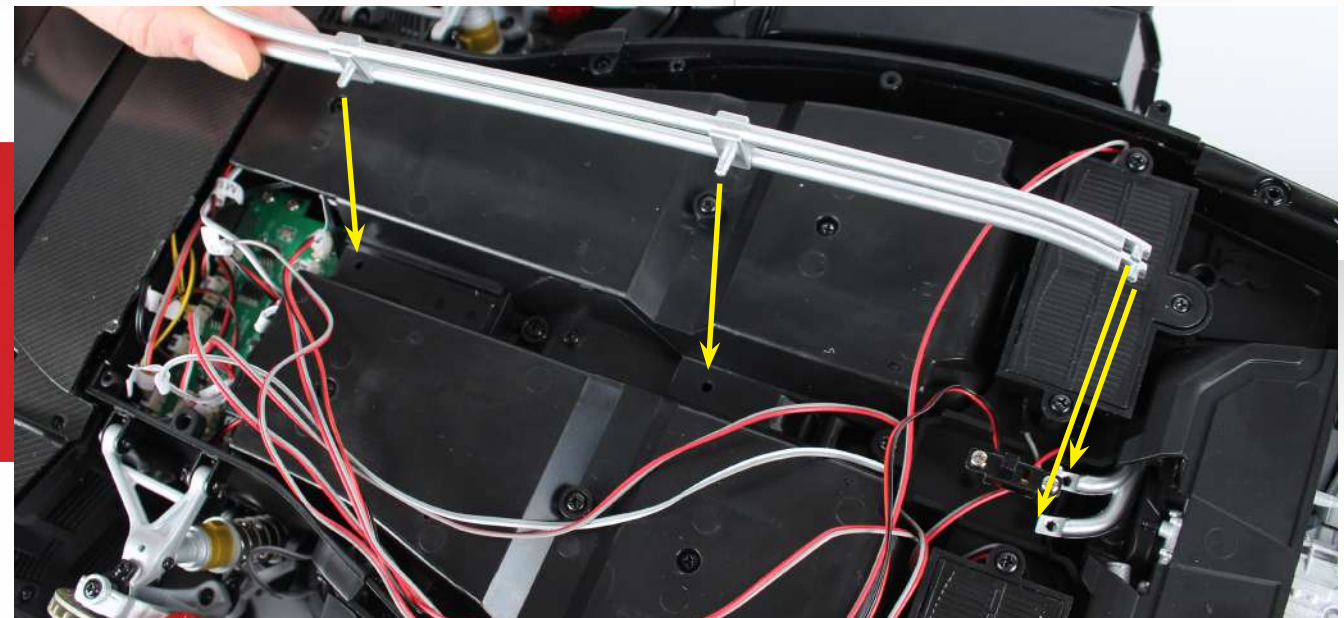


The power switch is fragile. Take care when turning the assembly over not to put pressure on the switch. You may prefer to tuck it under the battery and fix it in place once the wheels are on.



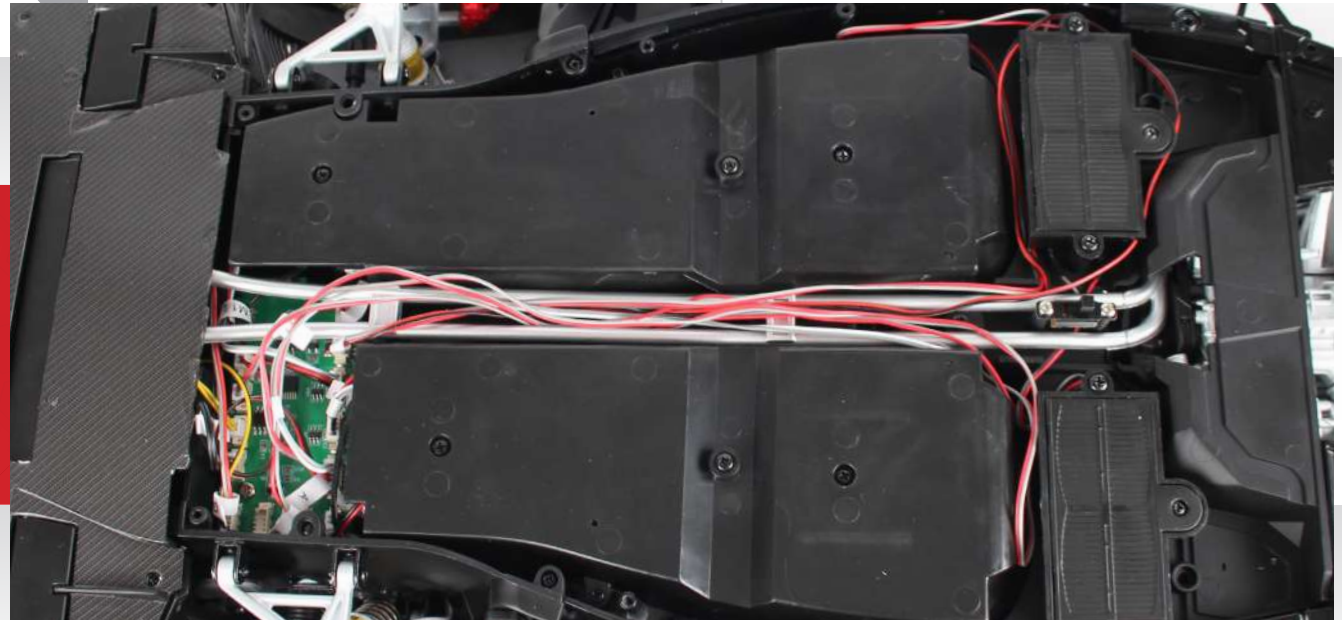
STEP 19

Take the cooling sleeves (stage 94) and align the pins with the holes as shown.



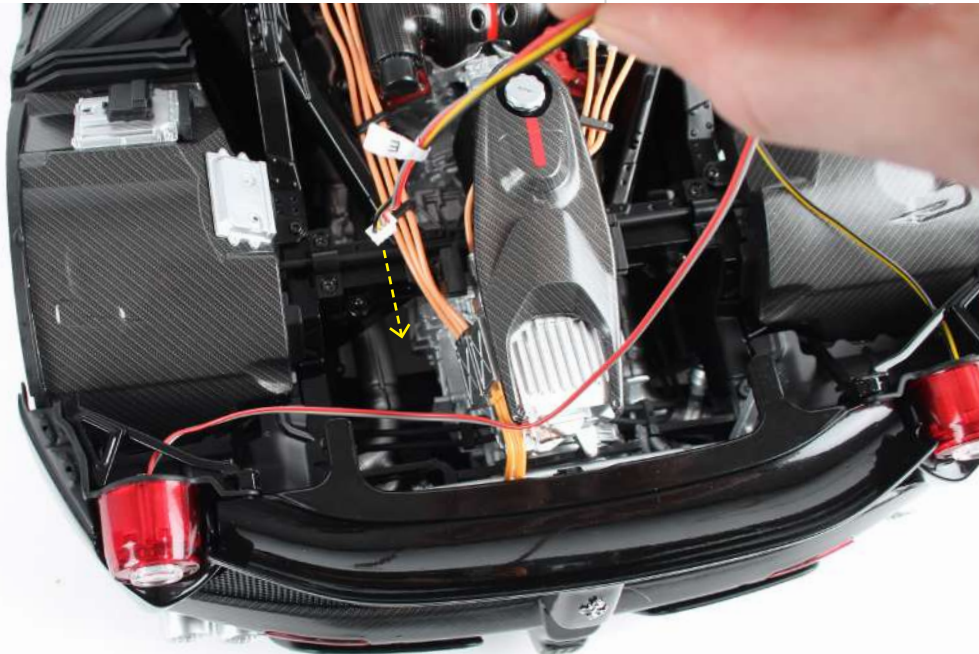
STEP 20

Fit the cooling sleeves in place then tidy the wires by tucking them around it.



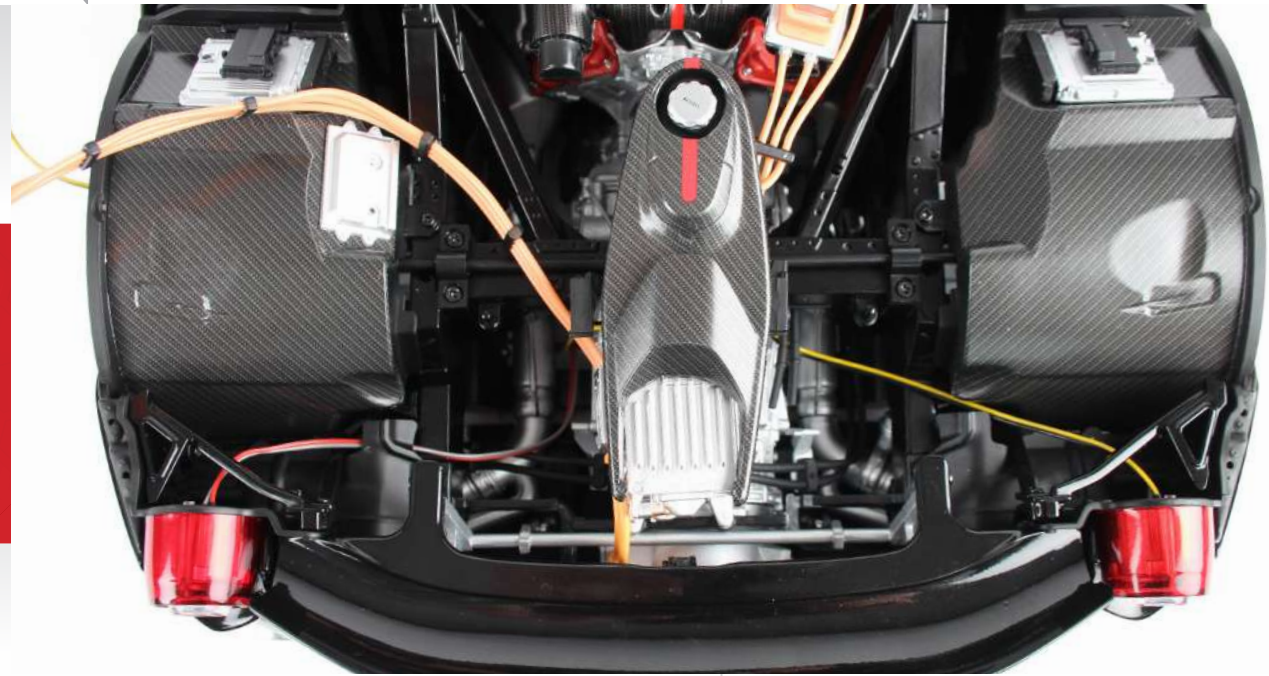
STEP 21

Fit the brake light LED cable (marked 'E') through the gap in the chassis.



STEP 22

After fitting the cable through the gap, tidy the left and right wires as shown.



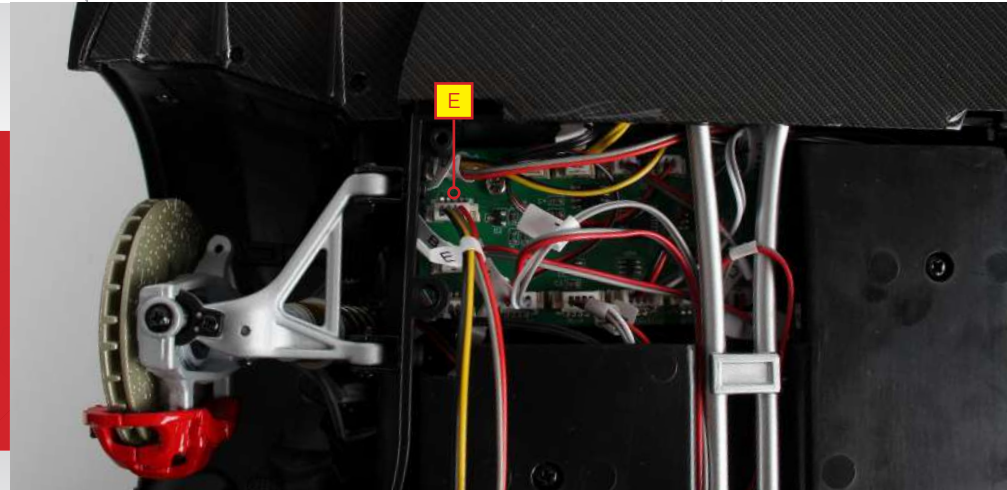
STEP 23

Turn the assembly over then feed the plug underneath the centre panel.



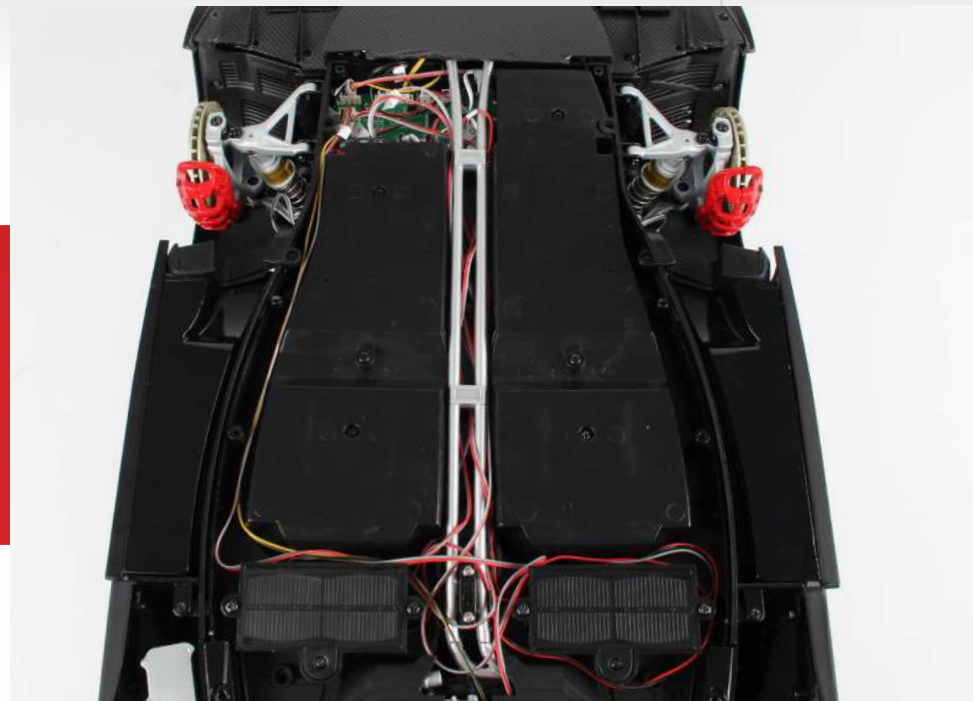
STEP 24

Plug the cable into the socket marked 'E' on the circuit board.



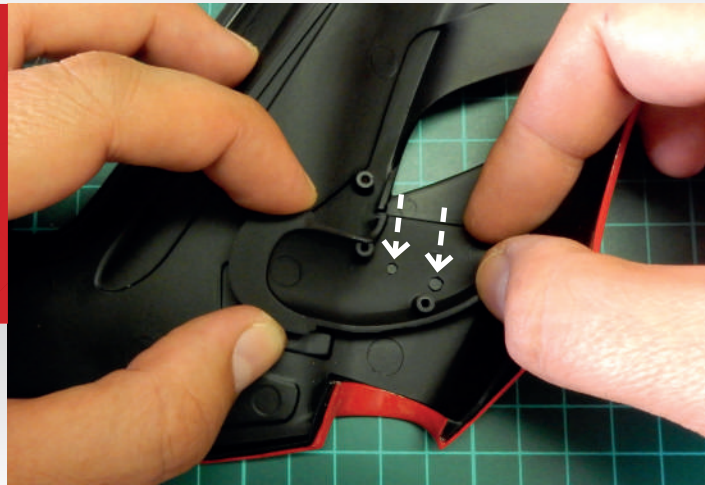
STEP 25

Tidy the wires by tucking them into the cockpit floor.



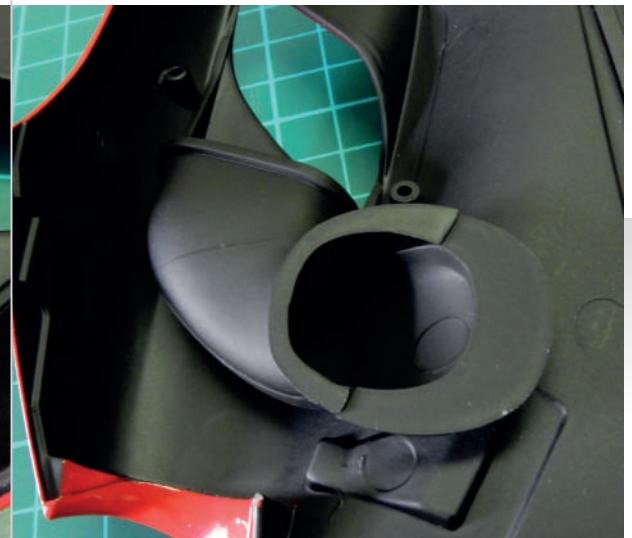
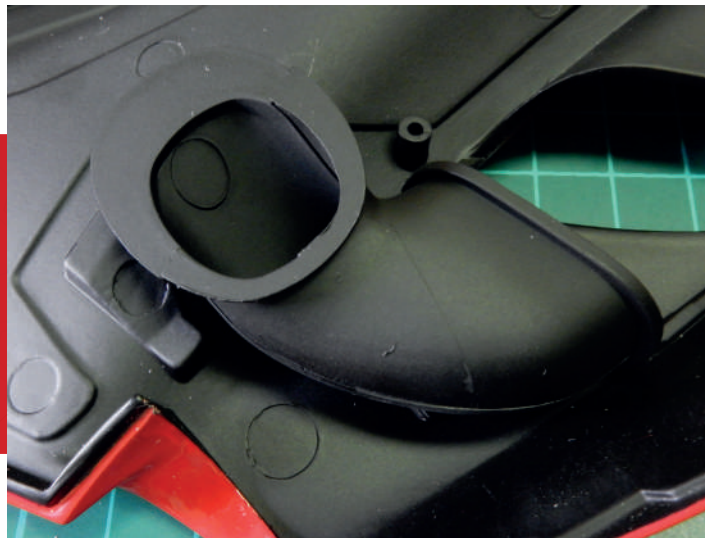
STEP 26

Take the rear boot (stage 96) and place the inner part of the left intake duct in place as shown. Fix it by placing the outer part in position. Take care when pushing the pins in place.



STEP 27

Repeat on the other side for the second air intake.



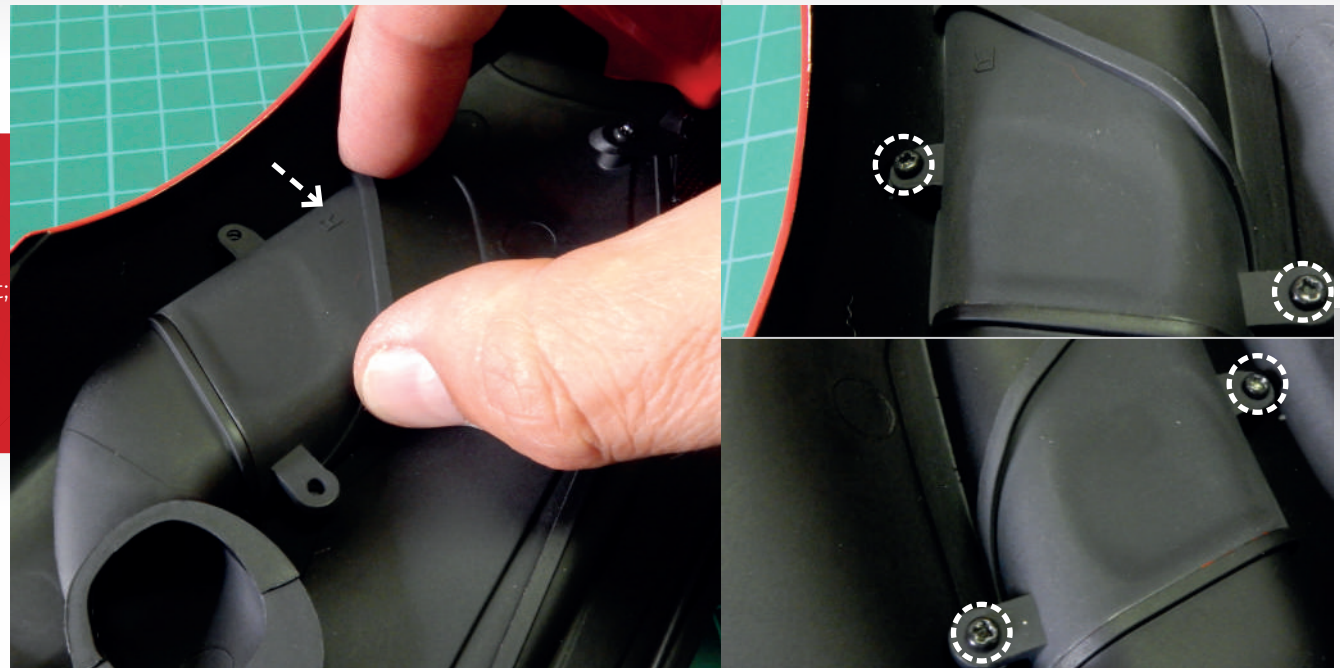
STEP 28

Take the grilles (stage 97) and fit them both onto the air ducts in the orientation shown.



STEP 29

Retrieve the pair of Detail B from stage 97. The mark "R" indicates Right; "L" indicates Left. Position the parts and secure each with two type M screws.



STEP 30

With all the wires plugged in, now is a good time to test the electrics. Take the rear boot (stage 96) and plug its cable into the other cable marked 'B'. Insert 4x AAA batteries into the battery compartment.



STEP 31

Retrieve the remote control (stage 93) and insert 2x AAA batteries. The image shows the functions of the different buttons. The Accelerator and Brakes can also be activated with the relevant pedals in the model.



STEP 32

Switch the model on using the power switch. The interior light should illuminate (1). Press the Ignition button to hear the engine start and illuminate the dashboard (2).



STEP 33

Press the lights button to turn the headlights and brake lights on and off (3). Pressing the Brakes button or the brake pedal illuminates the rear lights (4).



STEP 34

Press the Left and Right door buttons to open and close the doors (5). Finally, press the Accelerator (or the accelerator pedal) and the Horn buttons to test the sounds.



When you have finished testing the electronic functions, flick the switch to the "OFF" position then remove the batteries from the model and remote control. Unplug the rear boot and set it to one side.

If any of the functions don't work, carefully check the wiring for any faults.

STAGE 99 THE REAR BOOT GLASS

THE LAFERRARI'S REAR BOOT IS AN ELEMENT OF GREAT REFINEMENT. IT ENHANCES THE COMPLETE HYBRID ENGINE THAT MAKES THIS MODEL THE MASTERPIECE OF FERRARI.

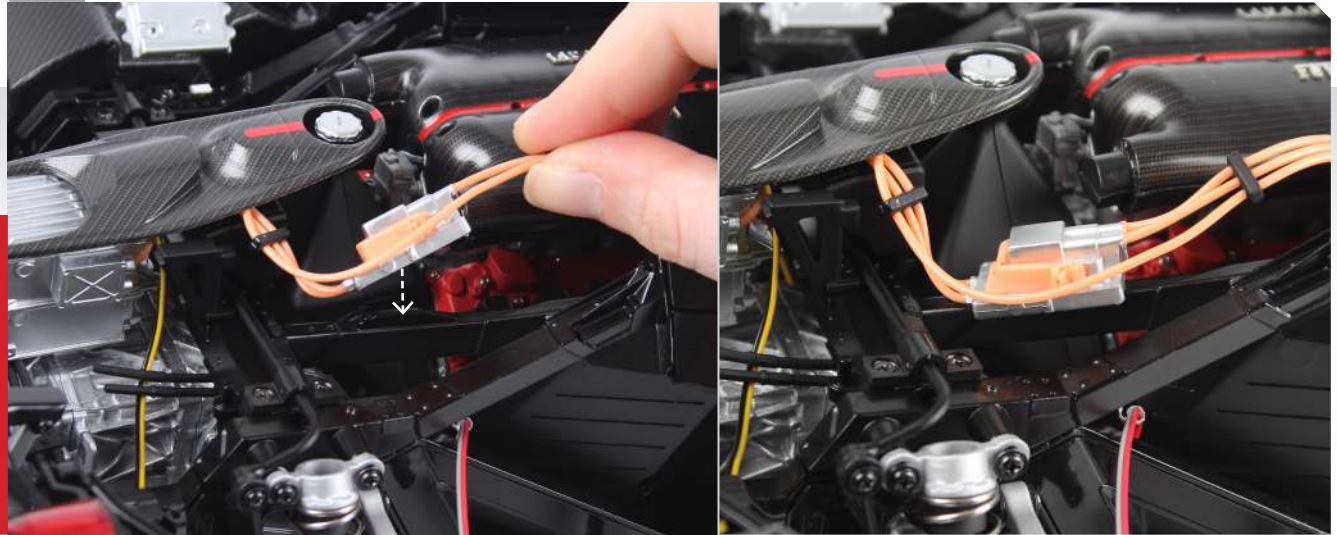
PARTS LIST

NO.	NAME	QUANTITY	MATERIAL
1	Rear boot glass	1	Varied
2	Screw type A	4	Metal
3	Screw type D	5	Metal
4	Screw type H	2	Metal
5	Screw type N	2	Metal
6	Screw type Y	4	Metal



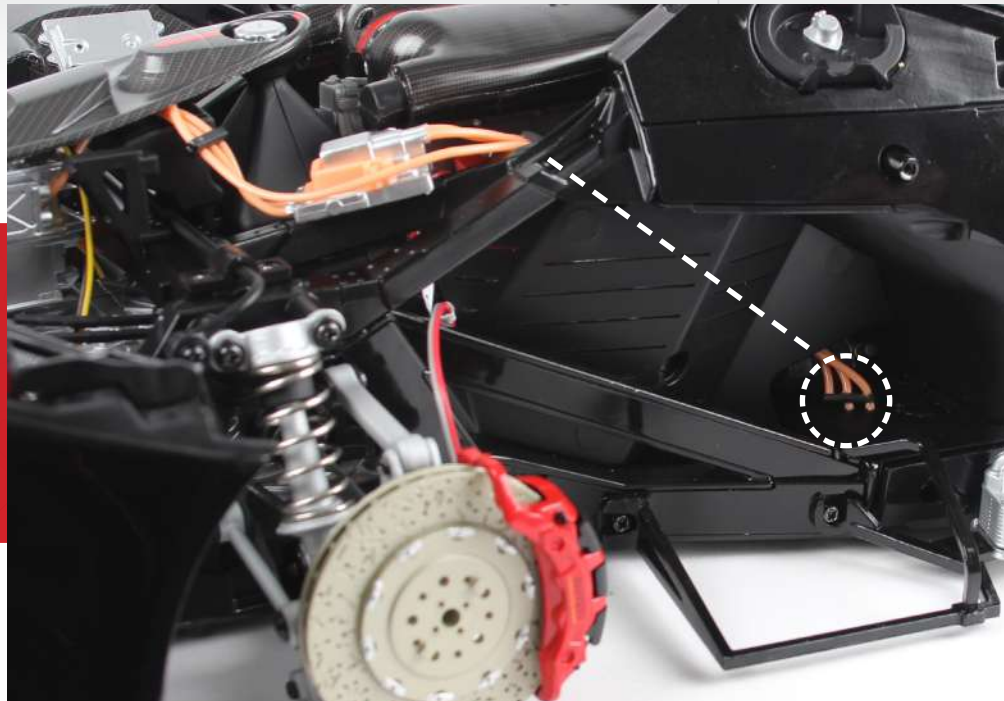
STEP 1

You'll begin this stage by fitting more parts and cables into their final position. First, fit the right orange cable box onto the raised ridge.



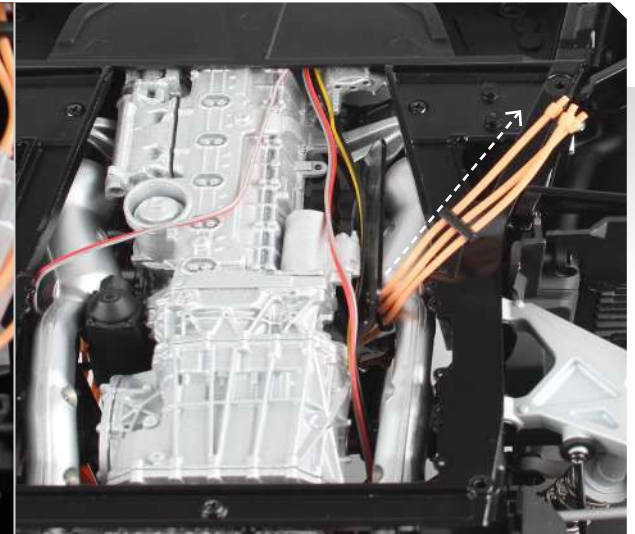
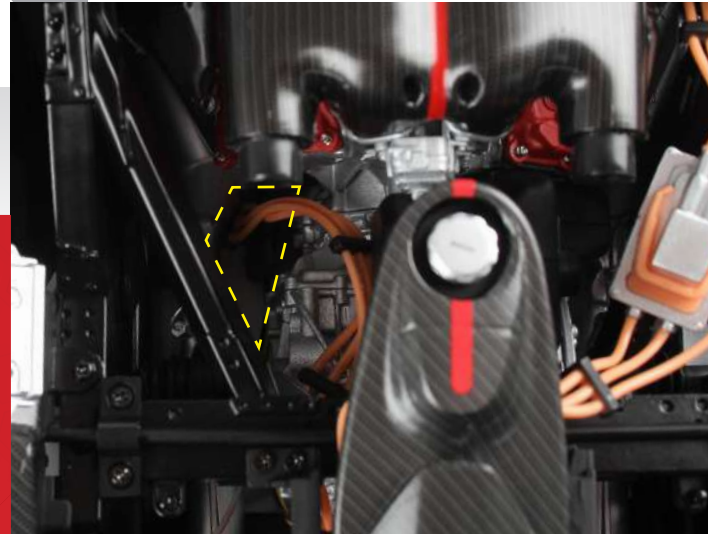
STEP 2

Run the cables behind the panels and plug it into the two holes (circled).



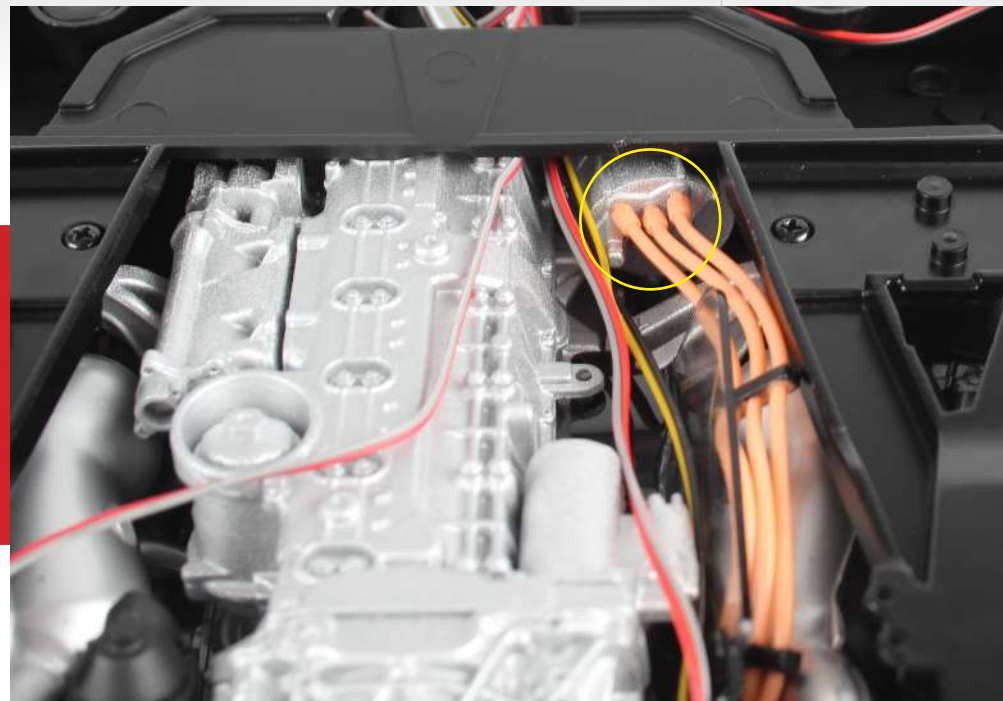
STEP 3

Push the ends of the left orange cables through the gap in the chassis then pull it through from underneath.



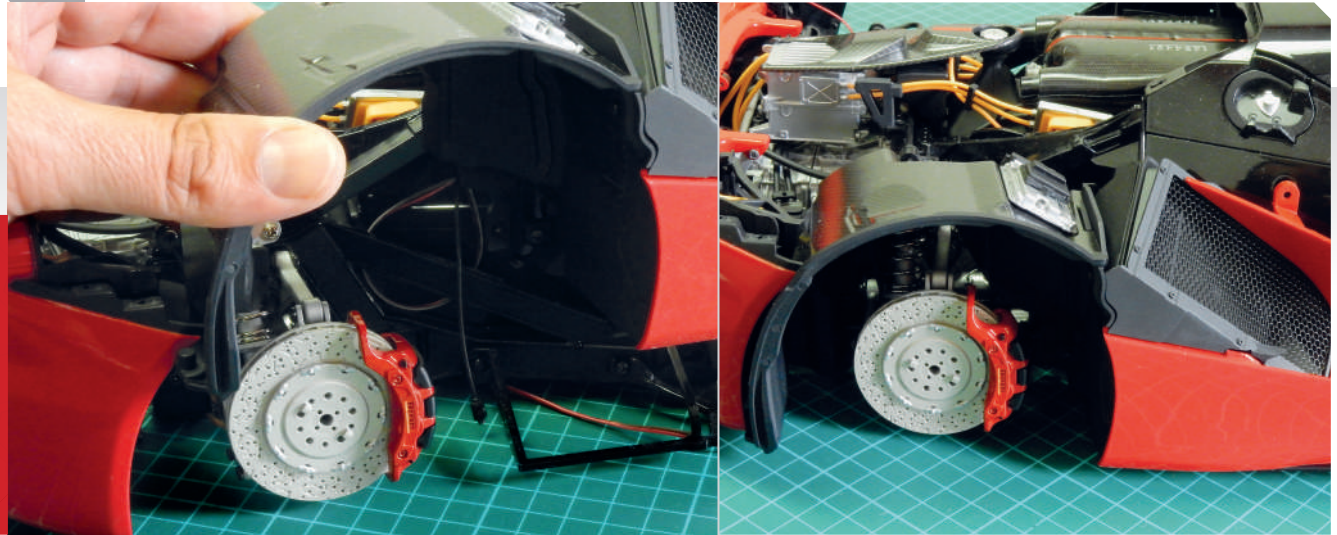
STEP 4

Plug the cable into the three holes in the engine (circled).



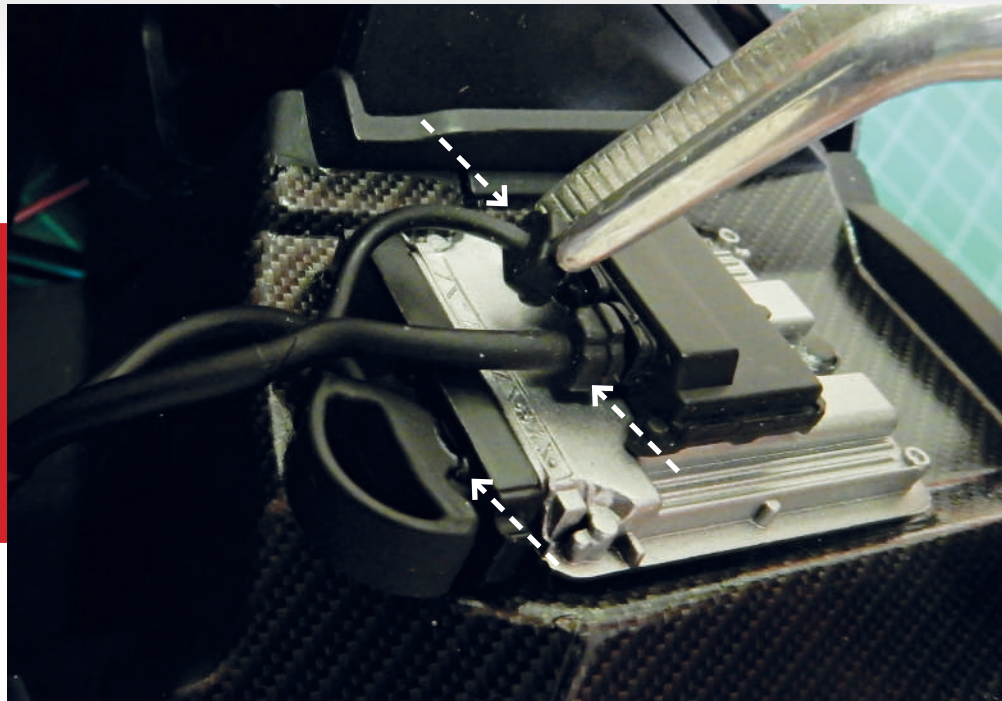
STEP 5

Retrieve the rear right wheel arch assembly. Using interlocking elements, carefully fit the wheel arch onto the model.



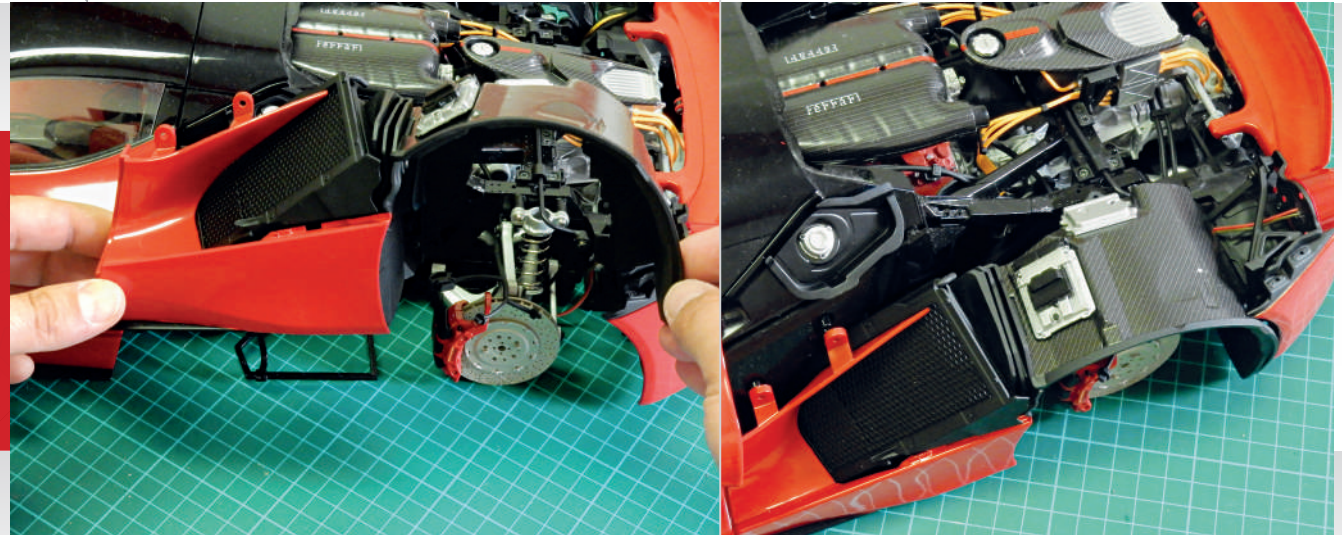
STEP 6

Using tweezers, connect the wiring as shown in the image. The three connection points have been highlighted with white arrows. If necessary, use a drop of super glue for a secure fit.



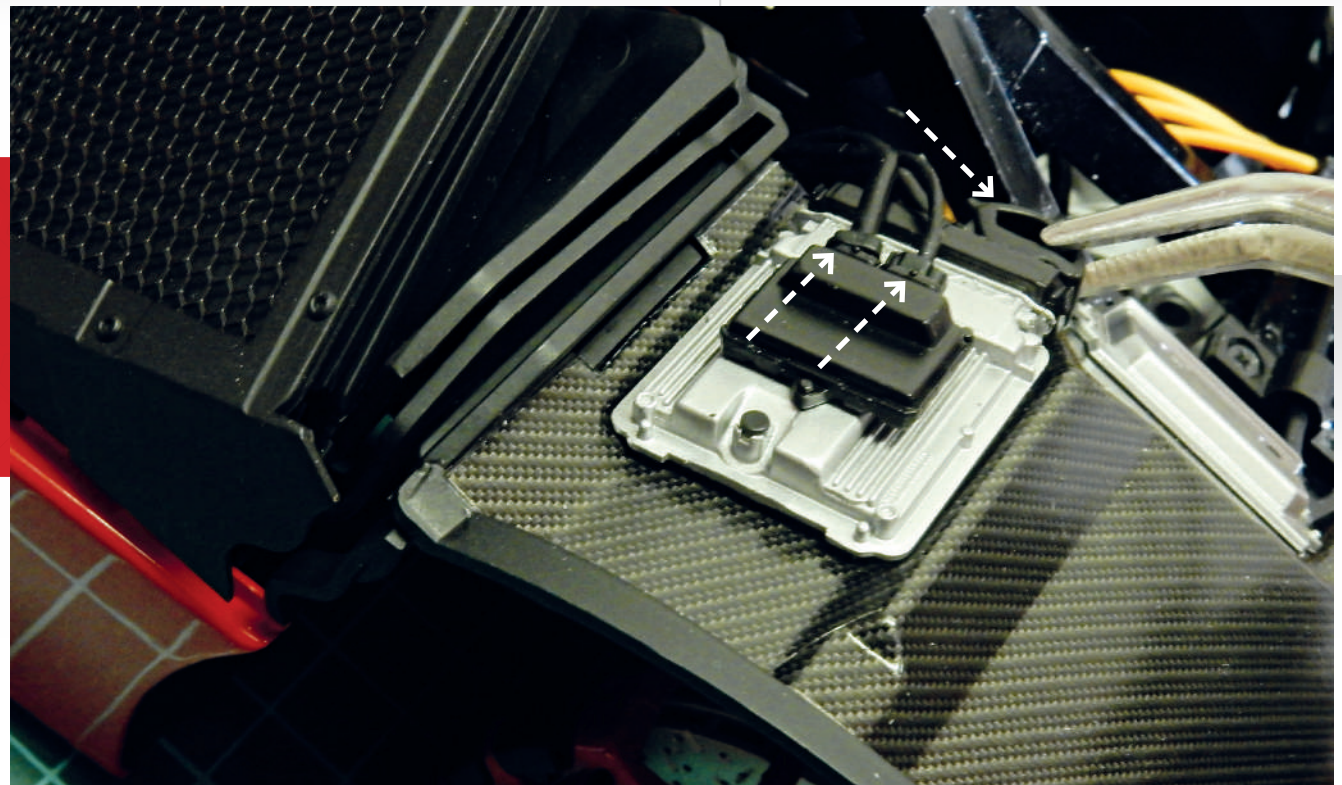
STEP 7

Retrieve the left rear wheel arch assembly. Place it in position in the same way as the right side, without forcing the couplings too hard to avoid damaging any parts.



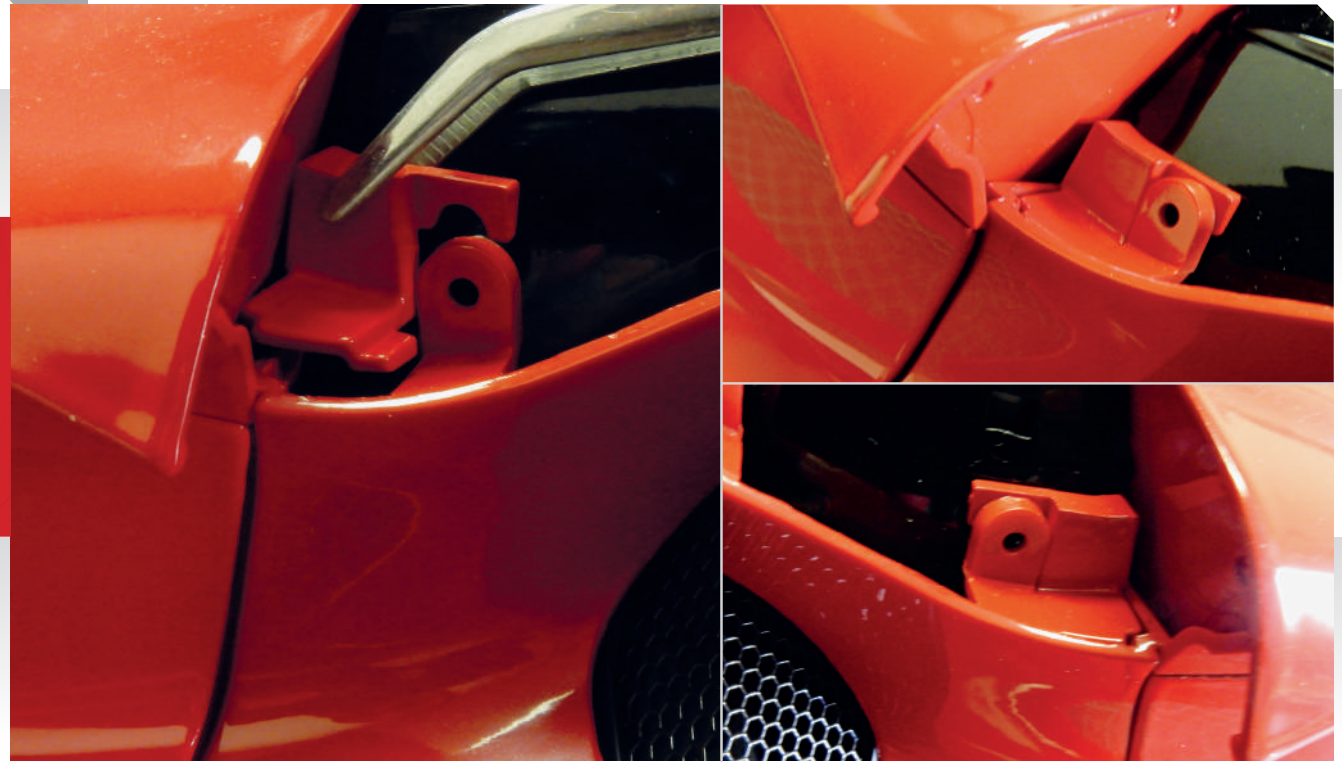
STEP 8

Connect the left side of the wiring harness as shown by the white arrows.



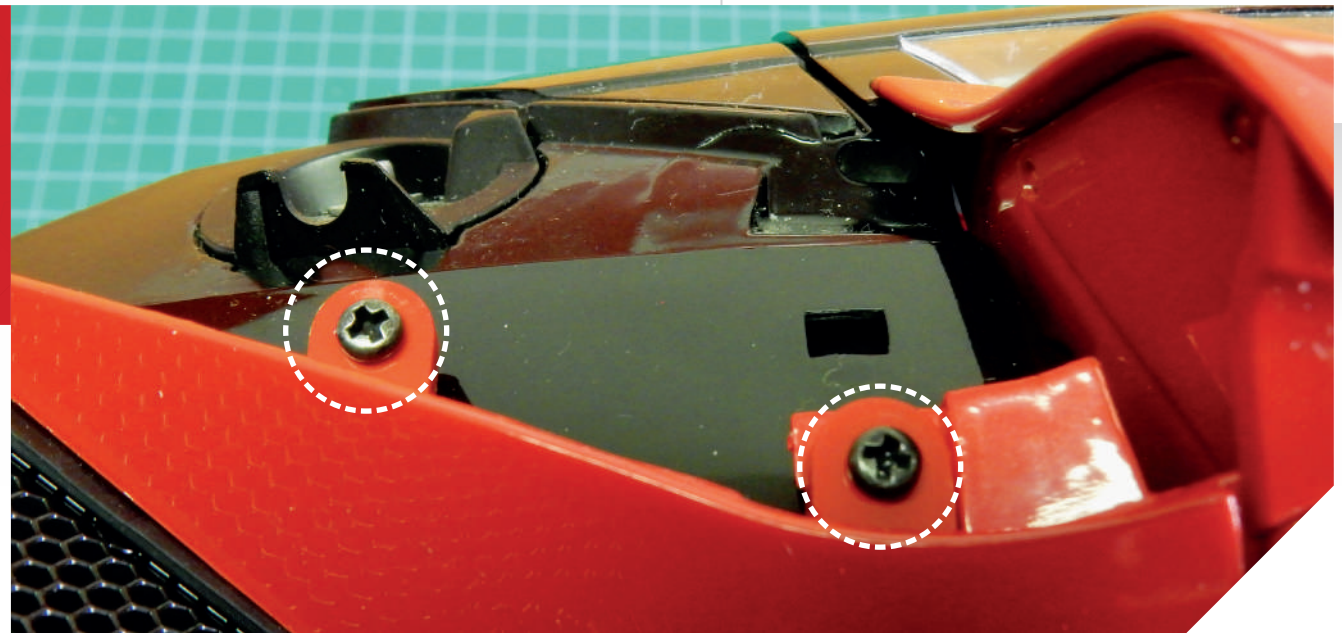
STEP 9

Retrieve the two red hooks from stage 93. With the help of tweezers, place them on the left and right wheel arches in the positions shown.



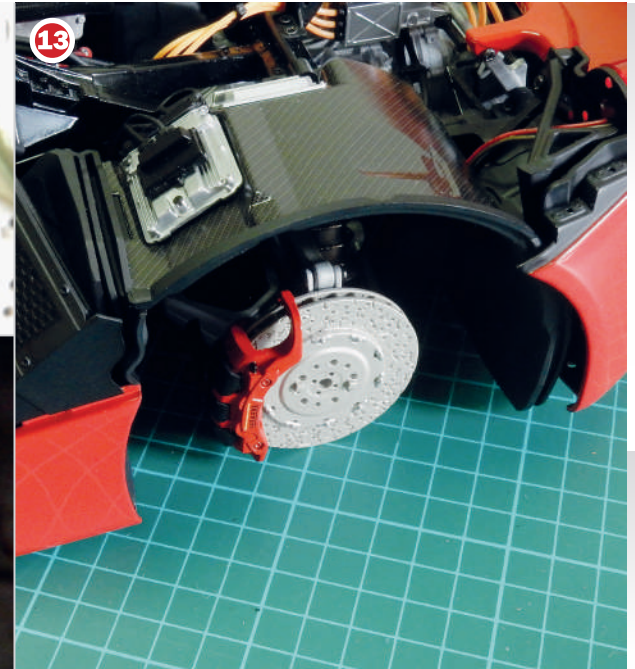
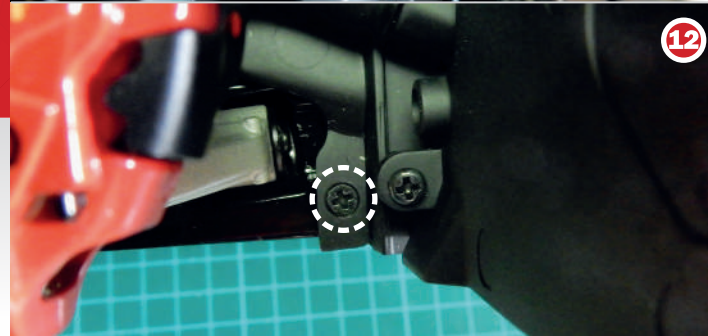
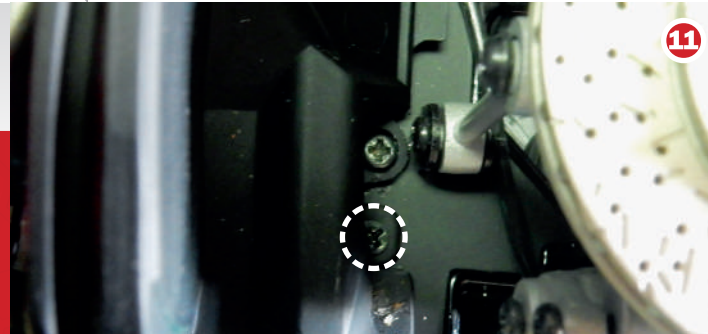
STEP 10

Use two type A screws to fix the upper side of the right rear wheel arch. Repeat this operation on the left side.



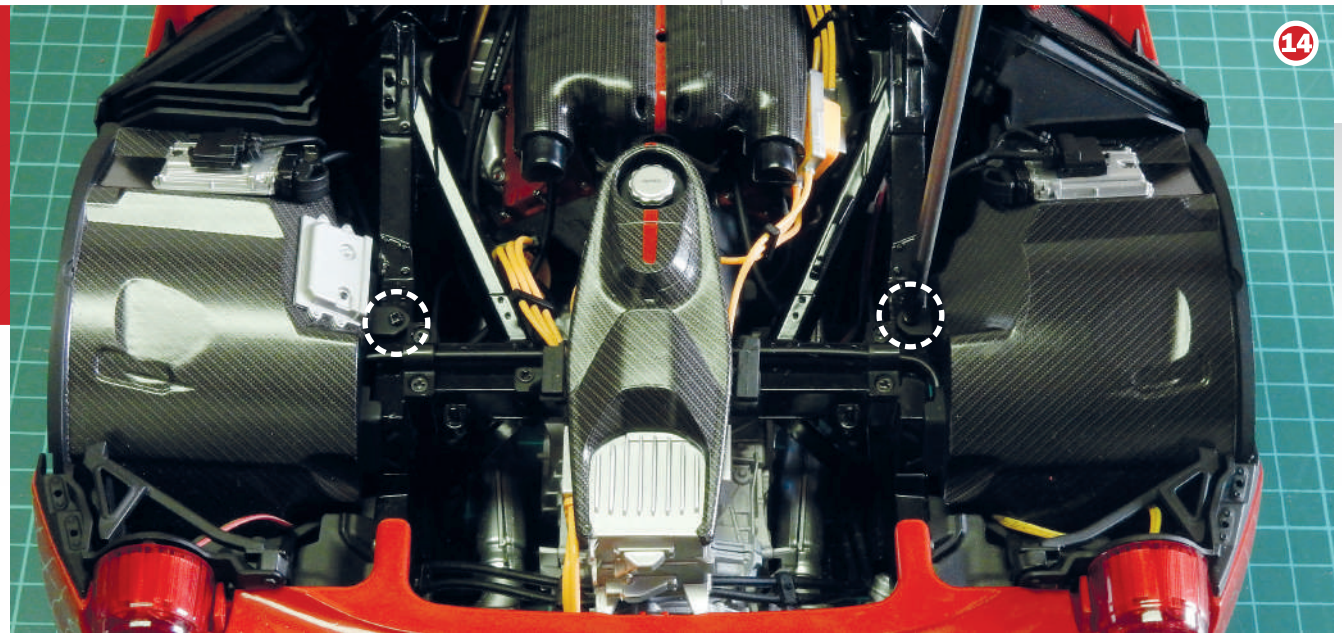
STEP 11 12 13

(11, 12, 13) Use a type D screws to fix the lower side of the rear wheel arches on both sides.



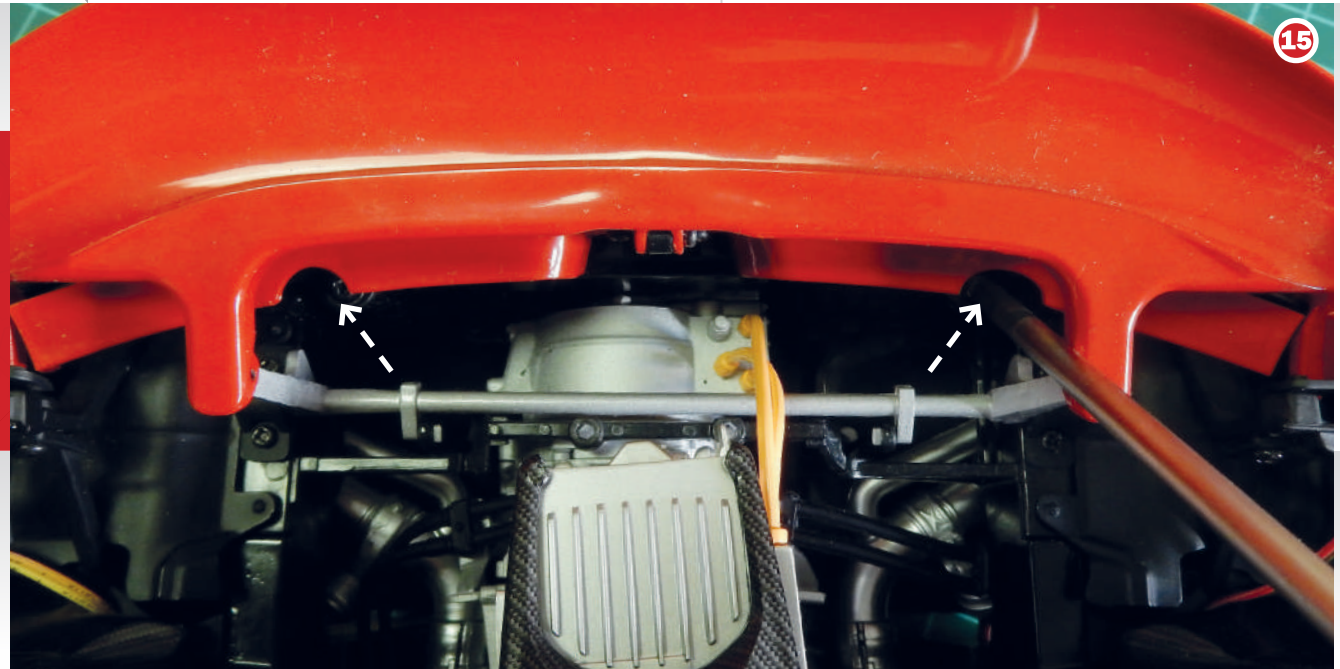
STEP 14

Continue to fix the rear wheel arches using two H-type screws in the positions shown by the white circles.



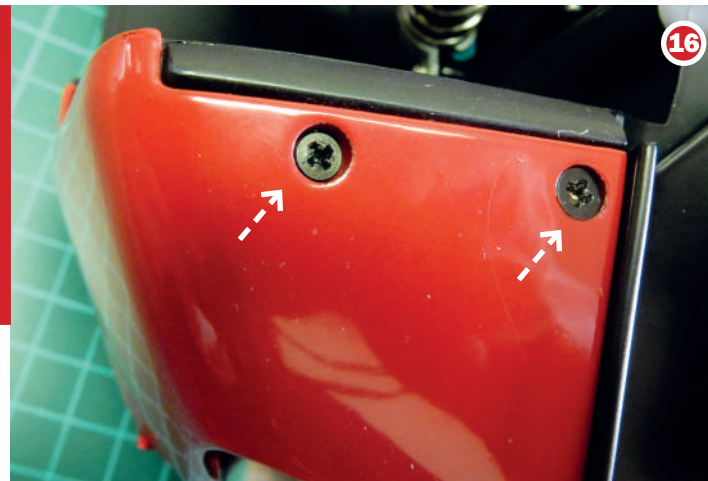
STEP 15

Extend the spoiler by pulling it back, then secure using two type N screws.



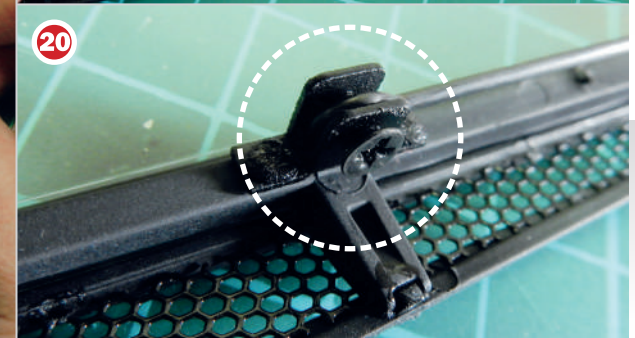
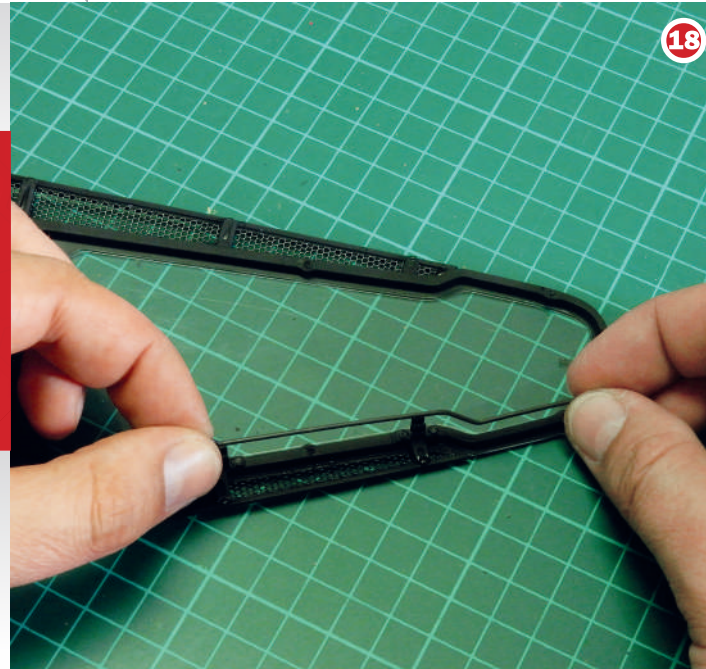
STEP 16 17

(16 and 17) For the lower fastening of the two rear wheel arches, use a pair of type Y screws on each side.



STEP 18 19 20

(18 and 19) Retrieve the tie rod from stage 91 and attach it to the inner face of the rear boot glass.
(20) Fasten the loop of the tie rod into the holder using a type D screw.



STEP 21 22

(21 and 22) To join the glass to the rear boot, fit the hinges to the fastening pins..



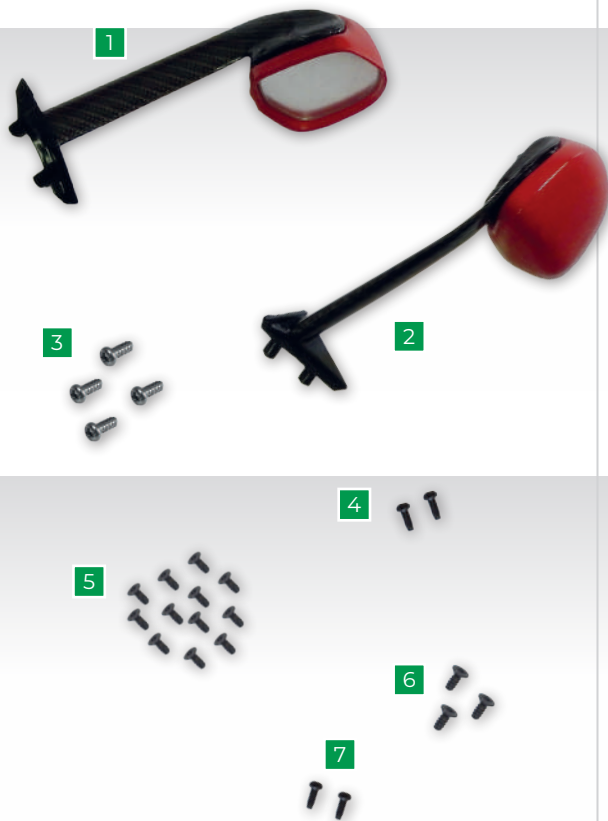
STAGE 100 THE SIDE MIRRORS

CAREFULLY DESIGNED TO PROVIDE MAXIMUM VISIBILITY AT THE SHOULDERS OF THE MUSCULAR REAR ARCHES, THE SIDE MIRRORS ARE ONE OF THE FINAL PARTS TO FIT TO YOUR MODEL.

PARTS LIST

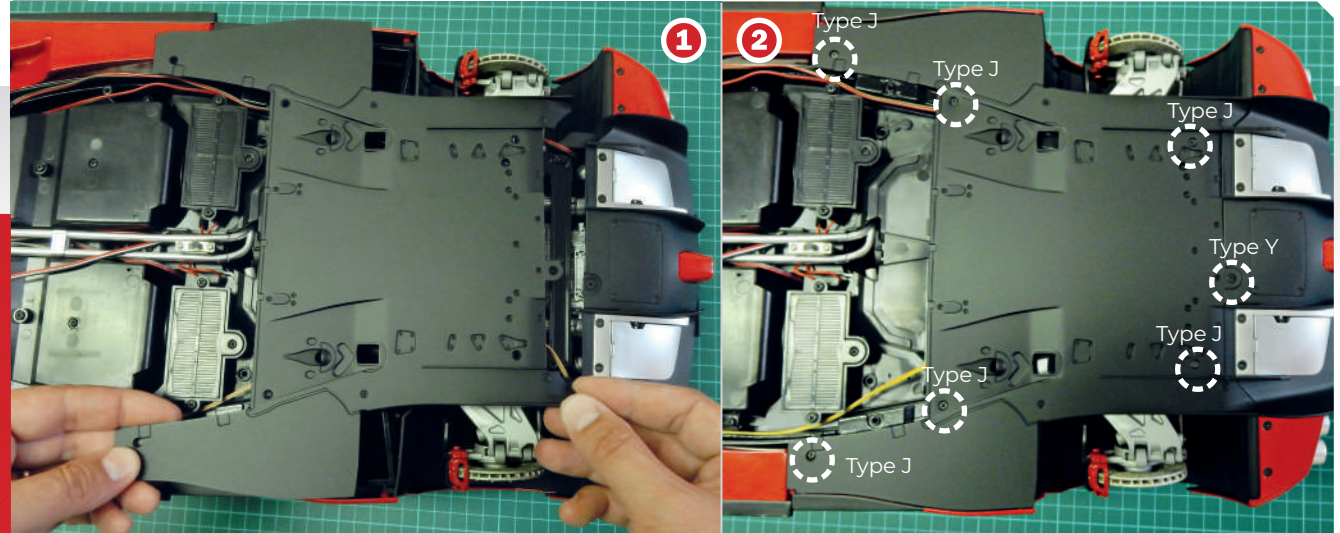
NO.	NAME	QUANTITY	MATERIAL
1	Left side mirror	1	Varied
2	Right side mirror	1	Varied
3	Screw type HH*	4	Metal
4	Screw type A	2	Metal
5	Screw type J	12	Metal
6	Screw type Y	3	Metal
7	Screw type H	2	Metal

* Screws type HH are provided with this stage



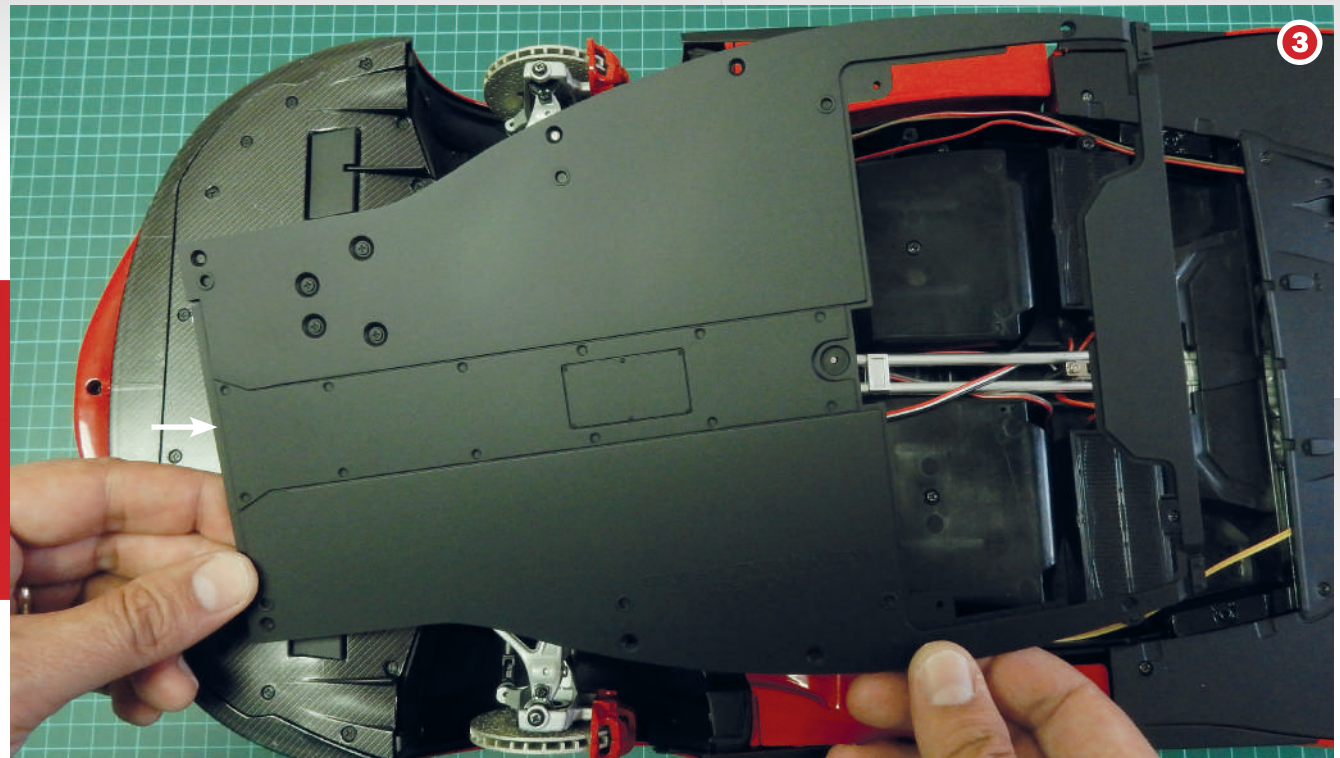
STEP 12

- (1) Retrieve the rear undertray from stage 93.
- (2) Place it in position as shown and secure it with six type J and one type Y screws.



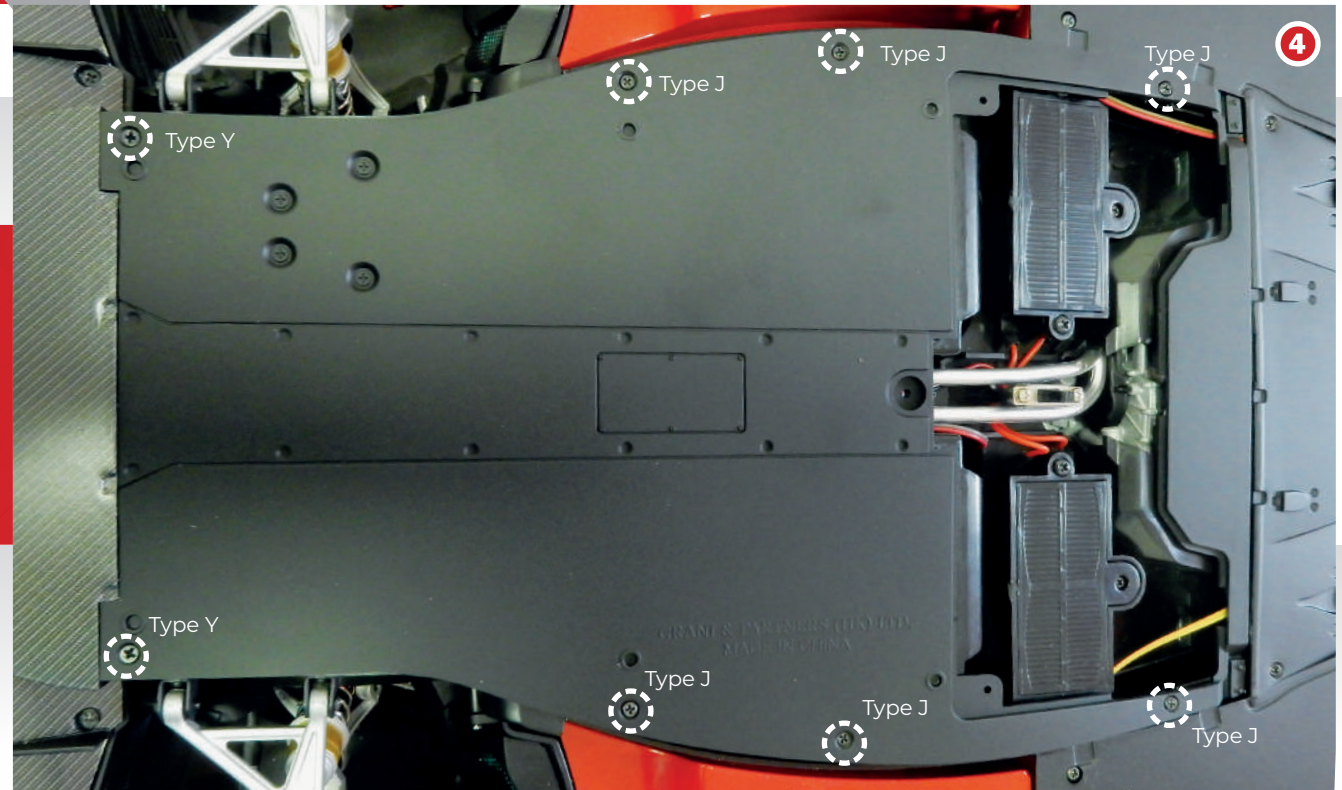
STEP 3

- Fit the centre undertray (stage 95) in place. The tab highlighted by the arrow in the photograph should fit under the front undertray.



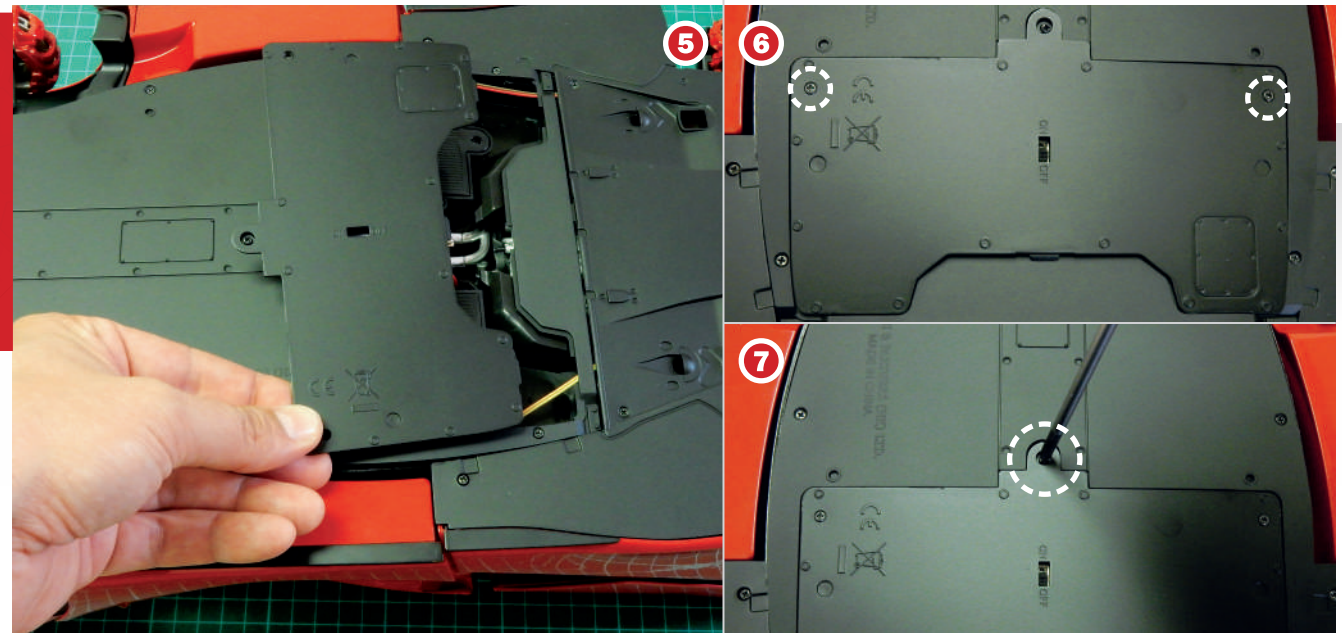
STEP 4

Use two type Y and six type J screws to secure the centre undertray in place.



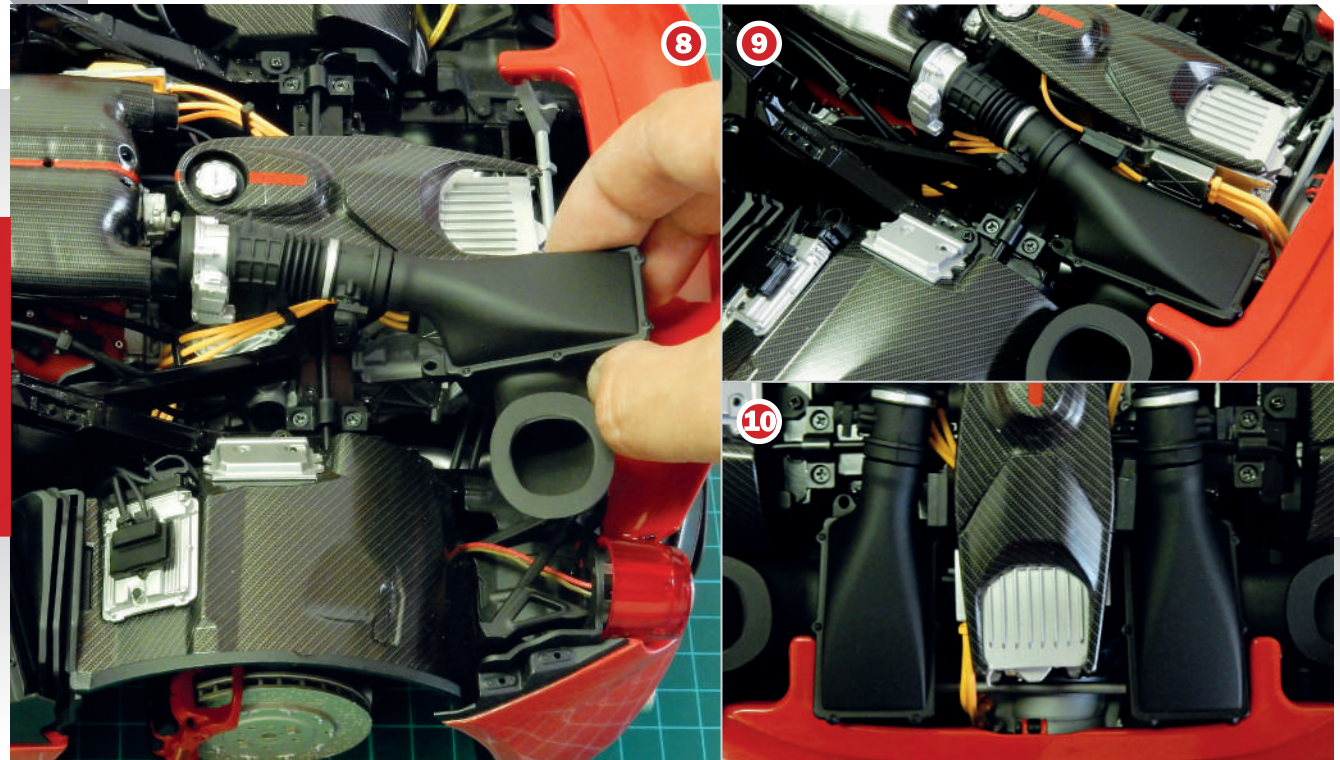
STEP 5 6 7

(5) After inserting four batteries into the appropriate slots, retrieve the battery compartment cover from stage 95.
(6) Place it in position and secure it with two type A screws.
(7) Finally, tighten the central screw already inserted in the part.



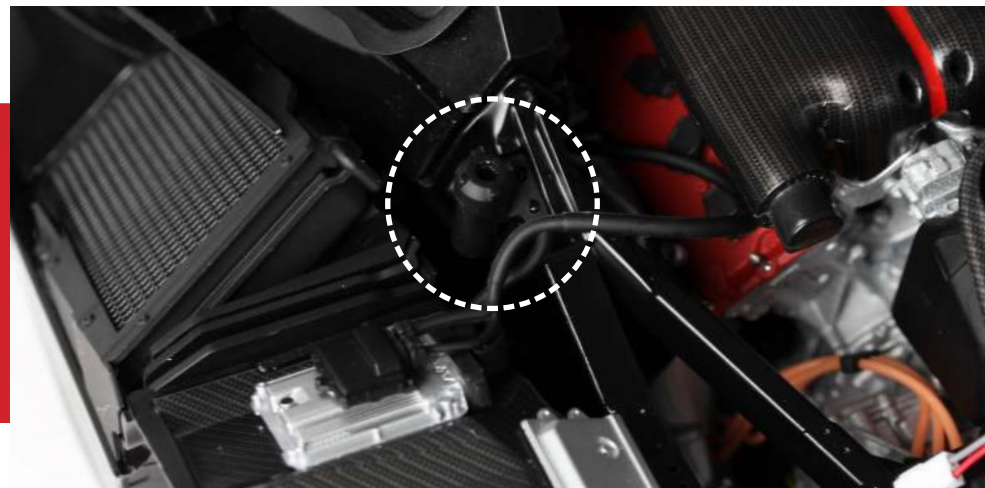
STEP 8 9 10

(8) Recover the left and right intake ducts from stages 89 and 90 respectively.
(9 and 10) Place them in the engine compartment, connecting them to the air box.



STEP 11

Take Detail C (stage 95) and press it onto the two pins on the left side of the rear chassis as shown.



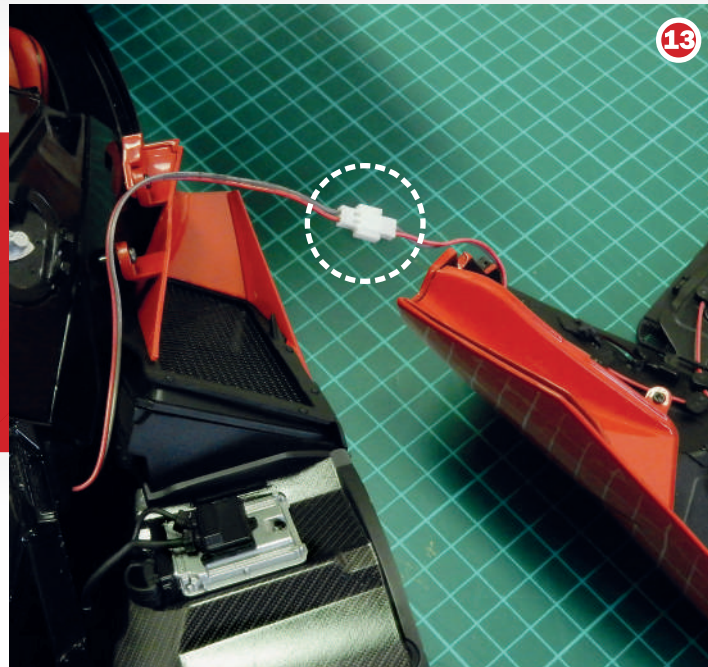
STEP 12

Insert batteries in the remote control (stage 93), then slide the switch to ON. Operate the controls necessary to open the doors. Once the doors are open, slide the switch to OFF.



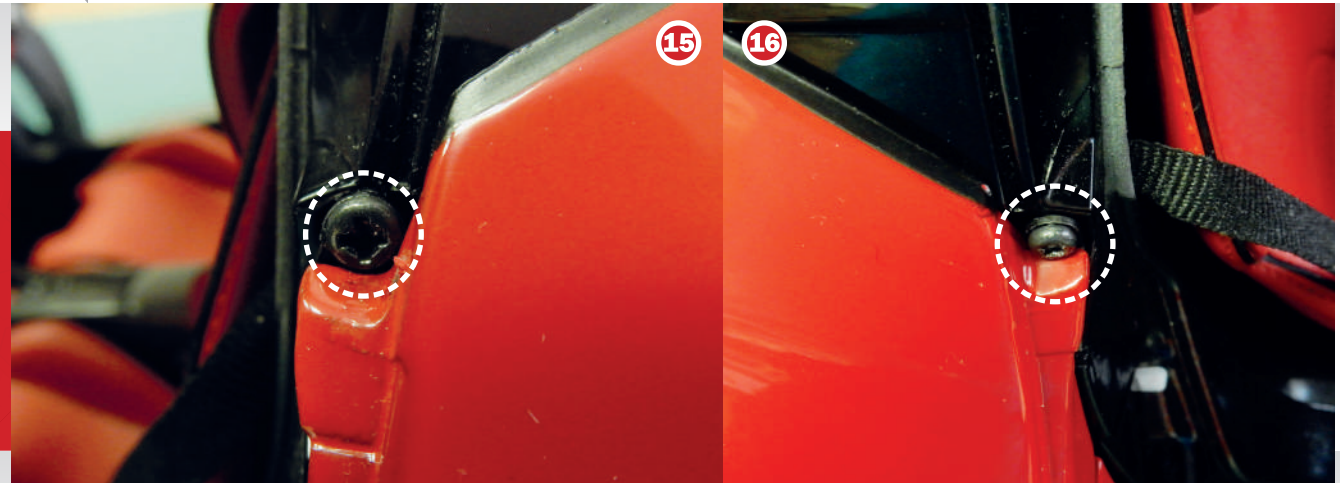
STEP 13 14

(12) Connect the white plug coming from the rear boot with the corresponding socket in the engine compartment.
(13) Place the rear boot into position.



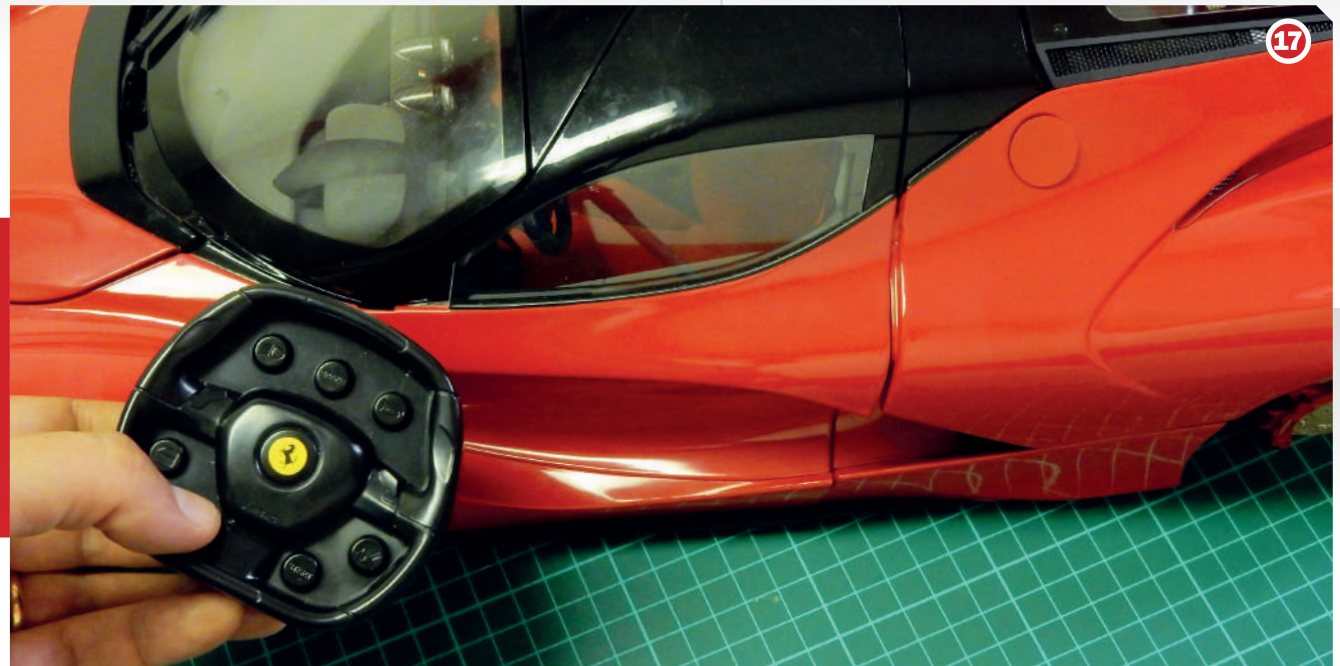
STEP 15 16

(14 and 15) Using two type H screws, fasten the rear boot hinges. The fastening points are only accessible with the doors open.



STEP 17

Switch the model on again and close the doors, using your remote control.



STEP 18 19 20

(17, 18, 19) Press the side mirrors into the fixing points in the doors using the special interlocking elements.



STEP 21 22 23

(20) Mount the wheels.
(21 and 22) Secure each wheel with a type HH screw and then cover the head of each screw with the magnetic hub cap. The process is the same for fitting both red and black wheel sets.



LaFerrari
1:8 SCALE

STAGE COMPLETE

The construction of your 1:8 scale LaFerrari is now complete!

