

1955

MERCEDES-BENZ

# 300 SL

GULLWING



# Pack 10

## BUILD INSTRUCTIONS

STAGE 64: THE FRONT ROOF LINER

STAGE 65: THE REAR ROOF LINER

STAGE 66: THE LEFT DOOR SILL LINER

STAGE 67: THE RIGHT DOOR SILL LINER

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STAGE 73: THE TRUNK LID HINGES

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## Advice from the experts

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.

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.

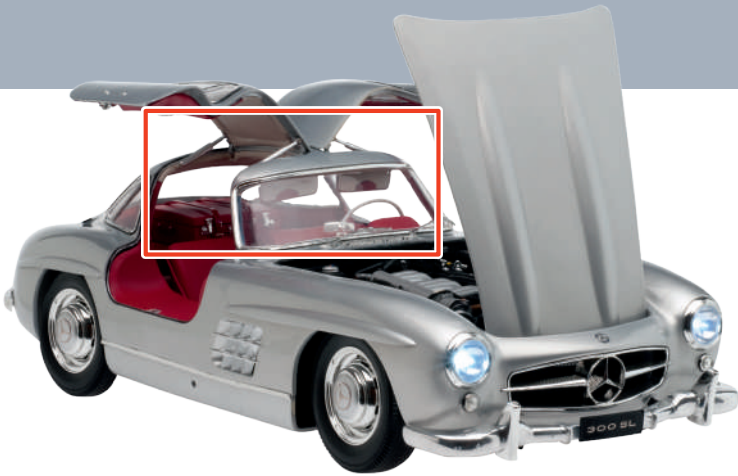
Left and Right! When building your Mercedes-Benz 300SL, the left or right hand side refers to each side as you are sitting in the car.



**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.

## STAGE 64: THE FRONT ROOF LINER

Fit the visors and their brackets to the front roof liner, and fit the hinge cylinder barrels, interior light cover and LED, plus wire clamps.



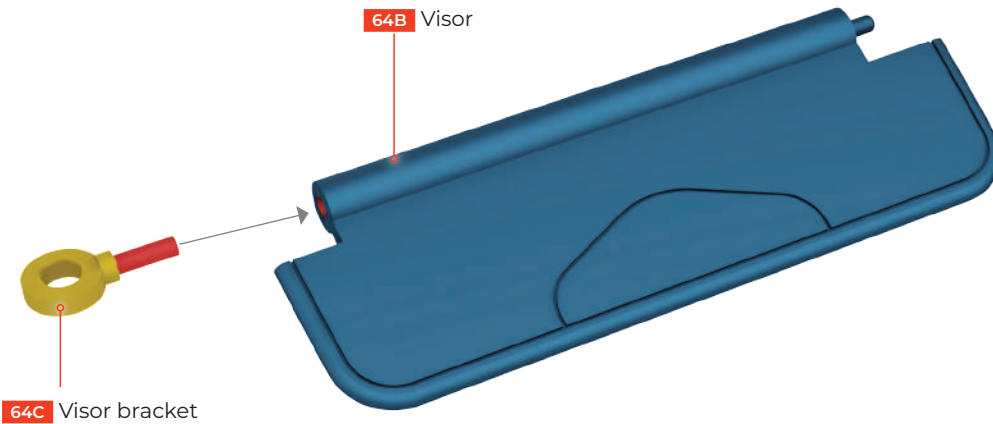
### STAGE 64: REQUIRED PARTS

Code	Name	Quantity	Material
64A	Front roof liner	1	ABS
64B	Visor	2	ABS
64C	Visor bracket	2	Zinc
64D	Front hinge cylinder barrel	2	Zinc
64E	Interior light cover	1	GP
64F	LED and wires	1	Mixed
64G	Wire clamp	2	ABS
AP	Screws 1.5 x 3mm	1+1*	Iron
EP	Screws 1.7 x 4mm	4+2*	Iron
QP	Screws 2 x 3mm	2+1*	Iron

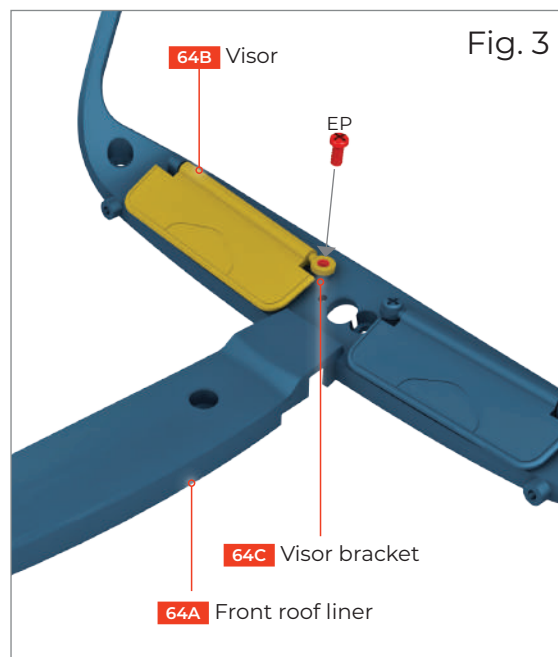
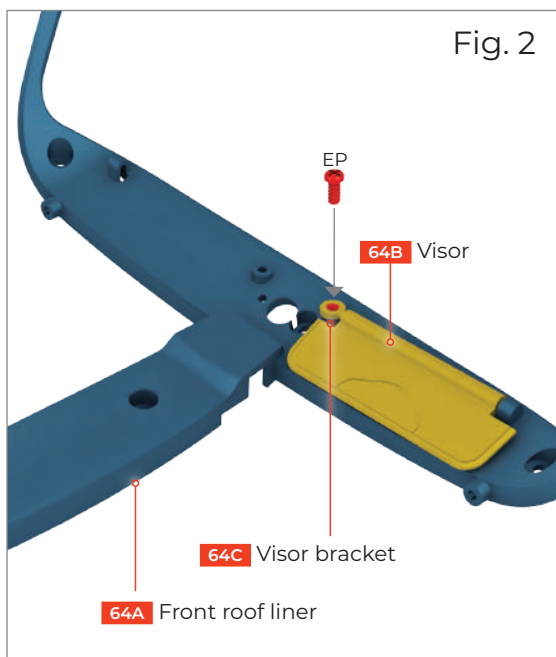
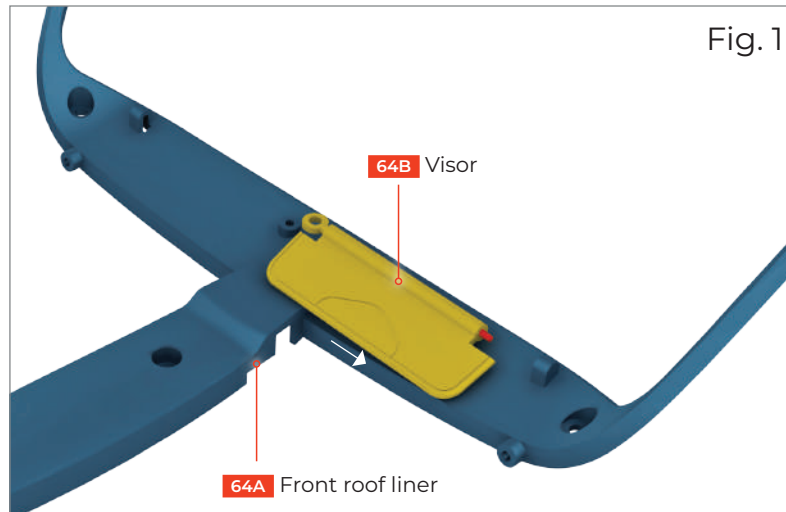
\* Replacement screws included



## 01 FITTING THE VISORS



Insert a visor bracket **64C** into the socket on the end of one of the visors **64B**. Insert the pin at the other side of the visor into the socket on the left side of the front roof liner **64A** (figure 1). Fix in place with an **EP** screw through the hole in the visor bracket and into the socket near the center of the roof liner (figure 2). Repeat to fit the second visor bracket **64C** and visor **64B** to the right side of the front roof liner, and fix in place with an **EP** screw (figure 3).

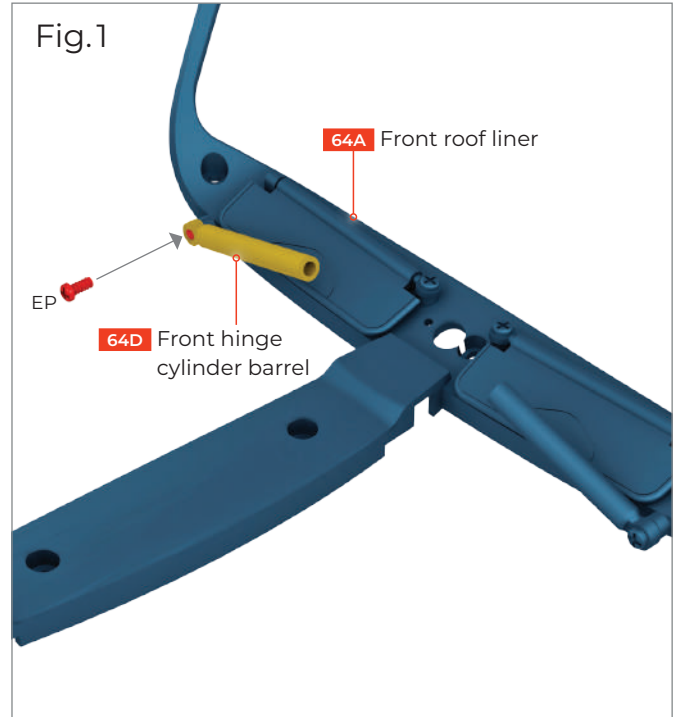
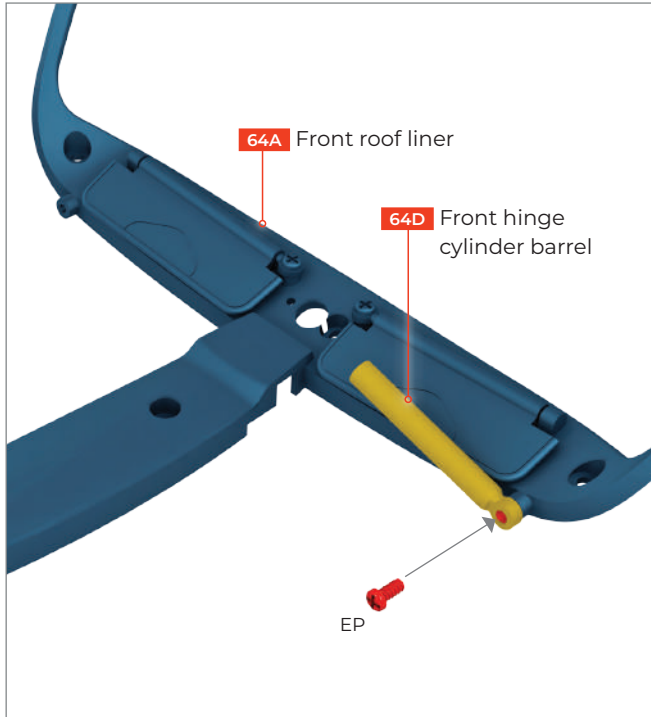


“Left” and “right” are as viewed from above the roof, looking forwards, but you will need to work with the roof liner upside down.

## STAGE 64: THE FRONT ROOF LINER

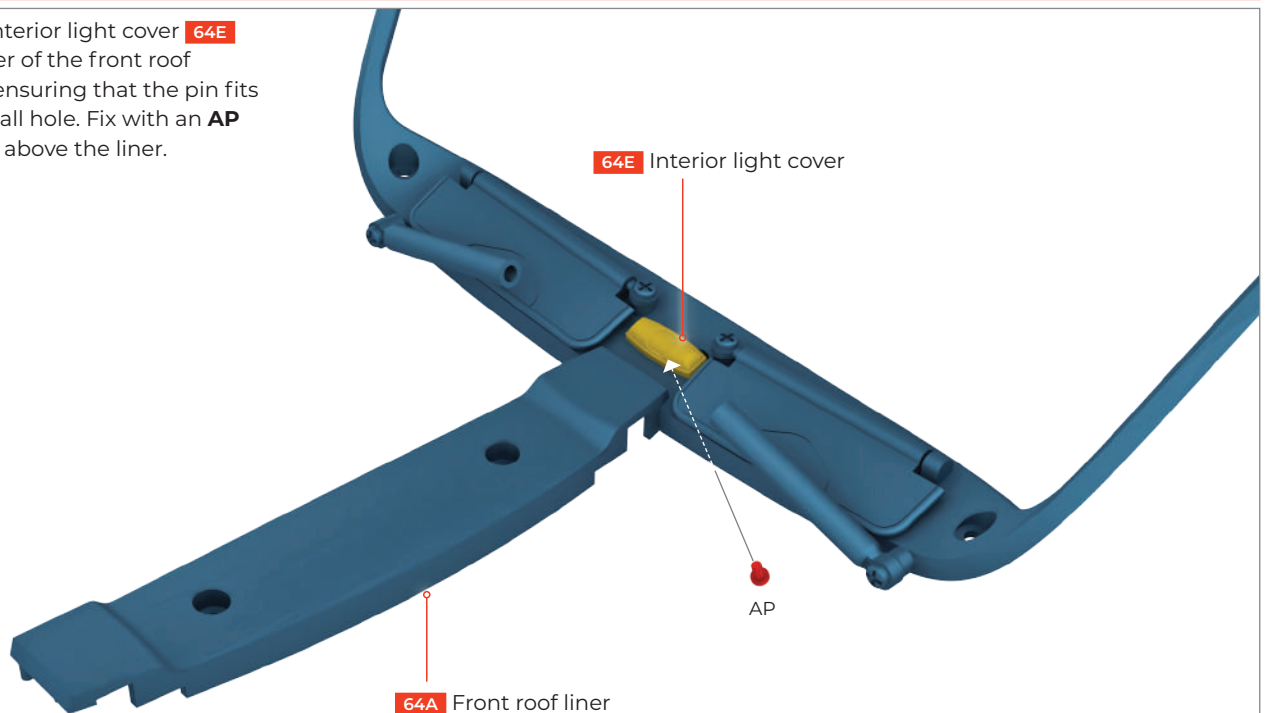
### 02 FITTING THE DOOR FRONT HINGE CYLINDERS

Align the loop at the end of one of the door hinge cylinder barrels **64D** with the screw post at the outer left of the front roof liner **64A**. Fix it in place with an **EP** screw. Repeat to fit the second front hinge cylinder barrel **64D** to the right side of the front roof liner, and fix in place with an **EP** screw (figure 1).



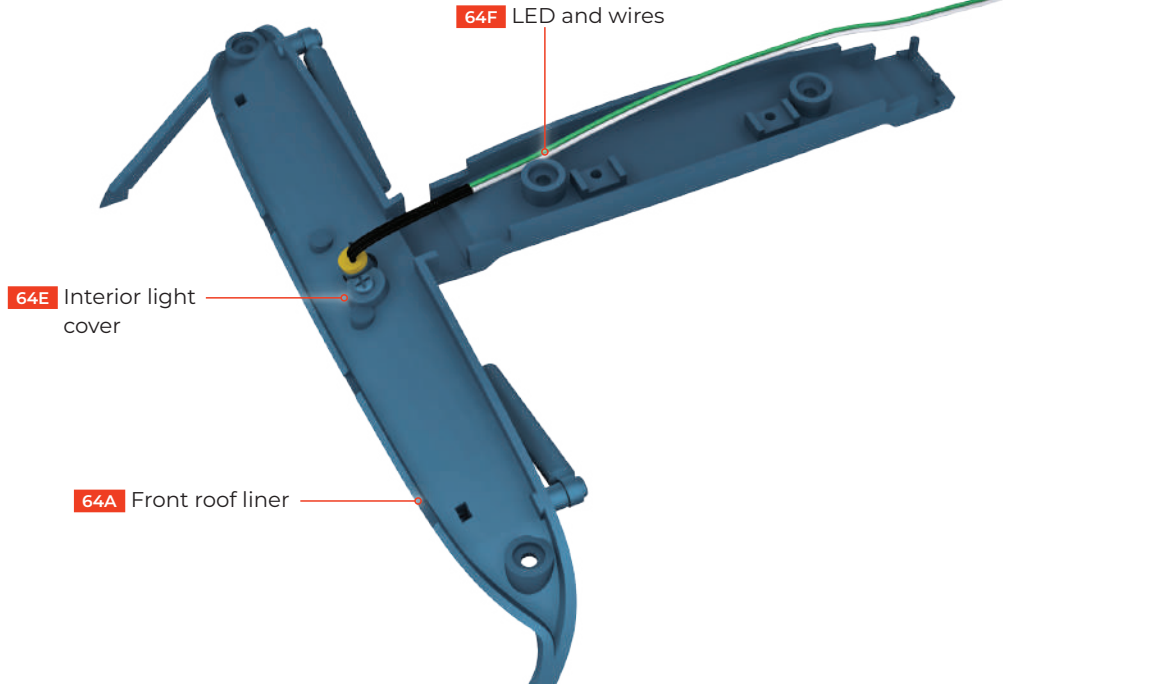
### 03 FITTING THE INTERIOR LIGHT COVER

Fit the interior light cover **64E** to the center of the front roof liner **64A**, ensuring that the pin fits into the small hole. Fix with an **AP** screw from above the liner.



#### 04 FITTING THE INTERIOR LIGHT LED

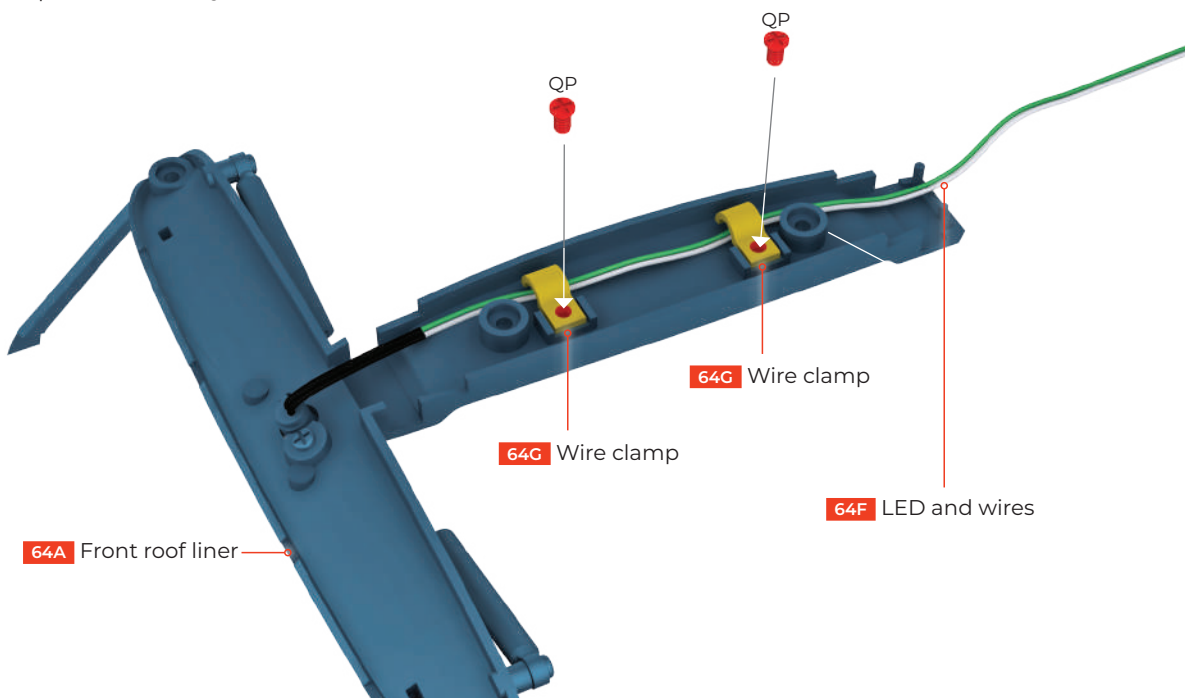
From above, push the LED (connected to the wires) **64F** into the hole in the center of the front roof liner **64A** so that it emerges inside the interior light cover **64E**. Very carefully, trail the wires flat along the top center of the liner.



Ensure that you only bend the LED wires once when flattening them against the roof liner, as the wires will break if bent repeatedly.

#### 05 FITTING THE WIRE CLAMPS

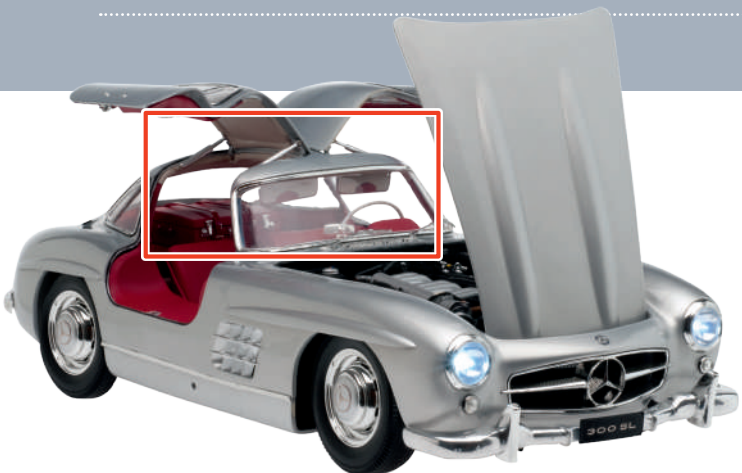
Fit the two wire clamps **64C** over the LED wires **64F** so that they are held in place against the top of the front roof liner **64A**. Align the clamps with the screw holes and fix them in place with two **QP** screws.





## STAGE 65: THE REAR ROOF LINER

Fit the door hinge cylinder barrels to the rear roof liner, connect the front roof liner, secure the LED wires with two more clamps, and fix both liners to the roof of the car.



### STAGE 65: REQUIRED PARTS

Code	Name	Quantity	Material
65A	Rear roof liner	1	ABS
65B	Rear hinge cylinder barrel	2	Zinc
65C	Small wire clamp	1	ABS
65D	Large wire clamp	1	ABS
CM	Screws 2 x 4mm	6 + 2*	Iron
EP	Screws 1.7 x 4mm	2 + 1*	Iron
MM	Screws 2.3 x 4mm	2 + 1*	Iron

\* Replacement screws included



## 01 FITTING THE DOOR REAR HINGE CYLINDERS

Align the loop at the end of one of the rear hinge cylinder barrels **65B** with the screw post on the outer left of the rear roof liner **65A**. Fix it in place with an **EP** screw. Repeat the process to fit the second hinge cylinder barrel **65B** to the right side of the rear roof liner, and fix in place with an **EP** screw (figure 1).

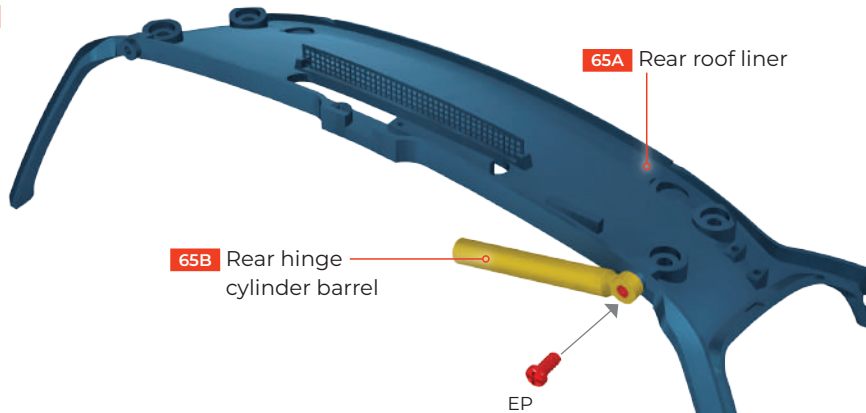
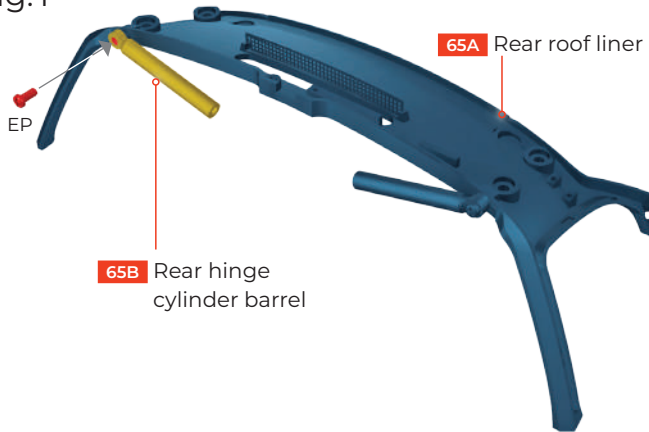


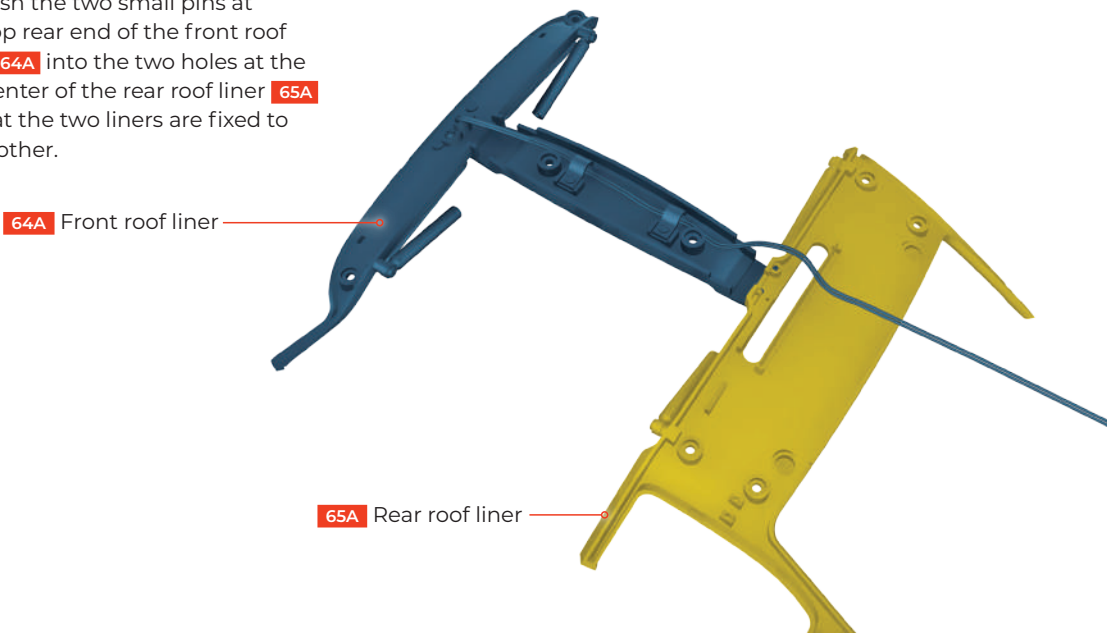
Fig.1



“Left” and “right” are as viewed from above the roof, looking forwards, but you will need to work with the roof liner upside down.

## 02 CONNECTING THE FRONT AND REAR ROOF LINERS

Push the two small pins at the top rear end of the front roof liner **64A** into the two holes at the top center of the rear roof liner **65A** so that the two liners are fixed to each other.

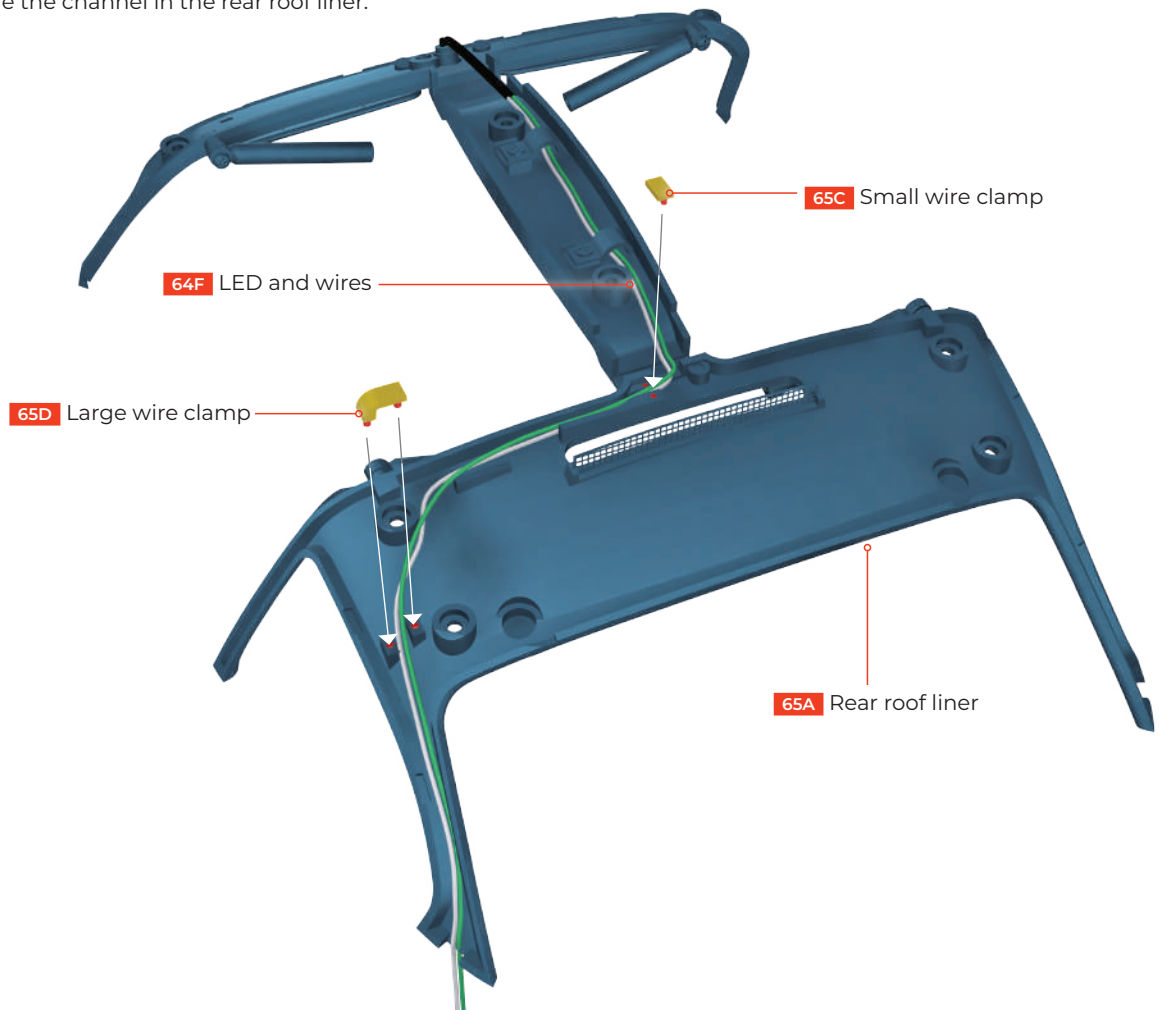




## STAGE 65: THE REAR ROOF LINER

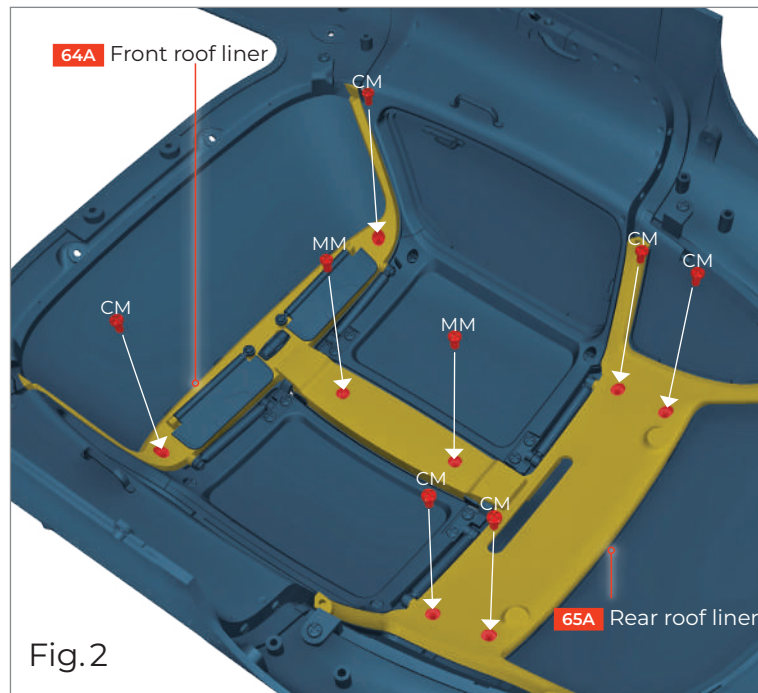
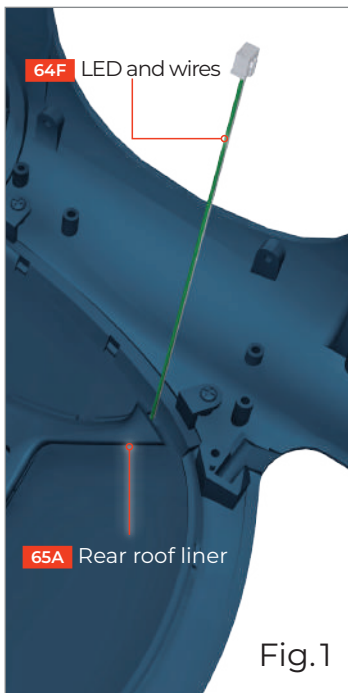
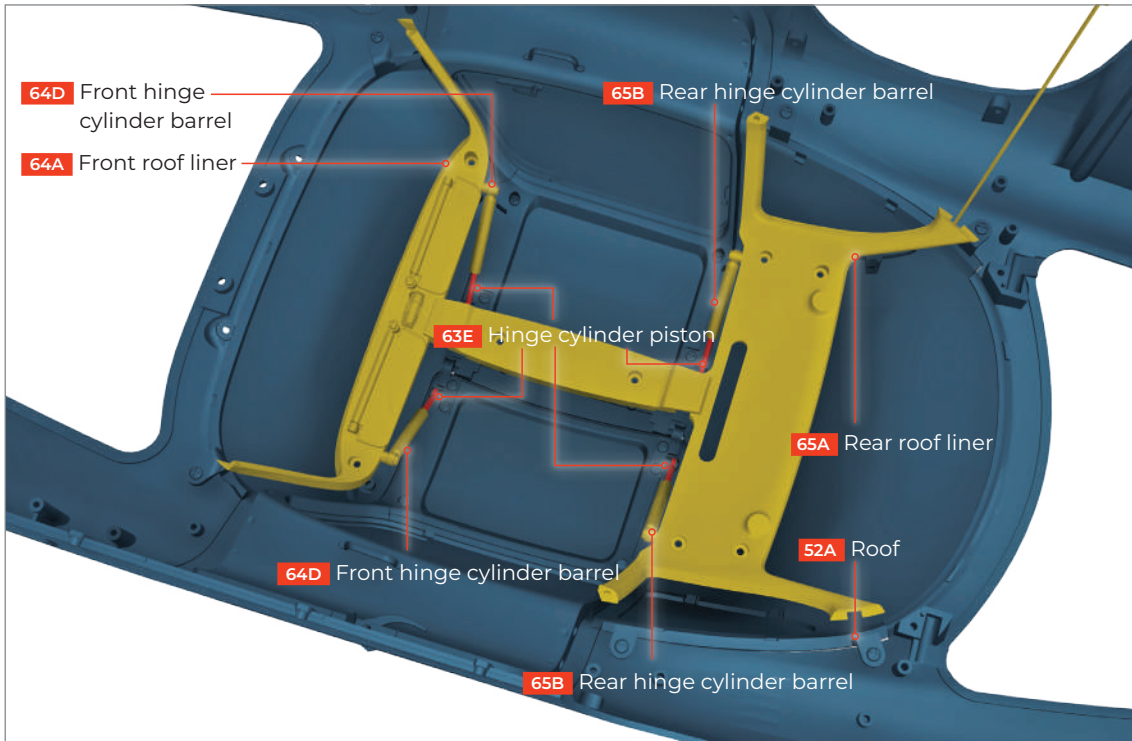
### 03 FITTING THE WIRE CLAMPS

Push the small wire clamp **65C** over the LED and wires **64F** and into the two small sockets at the center of the rear roof liner **65A**. Push the large wire clamp **65D** over the LED wires and into the two small sockets at the left of the rear roof liner **65A**. Ensure that the wire is not pulled too tightly and that it sits inside the channel in the rear roof liner.



## 04 FITTING THE ROOF LINERS TO THE ROOF

With the main body shell upside down, position the roof liner assembly into the inside of the car roof **52A**. Slide all four door hinge cylinder barrels **64D** and **65B** over their corresponding hinge cylinder pistons **63E**. Carefully press the liner assembly against the roof until the door hinge pistons are fully inserted, and ensure that the LED wires **64F** neatly exit the rear roof liner **65A** at the bottom left-hand corner of the rear window frame (figure 1). Fix the roof liner assembly to the roof with two **CM** screws at the front and four **CM** screws at the rear of the roof liner, as shown (figure 2). Then fix the central section of the liner assembly to the roof with two **MM** screws.



Work on a soft cloth to avoid scratching the paintwork. Ensure that the LED remains firmly seated inside the socket above the interior light cover while fitting the roof liners to the roof.

■ STAGE 66: THE LEFT DOOR SILL LINER

Fit one interior light switch to the left door sill liner and fix it in place with a bracket. Then fit the sill liner into the main body shell.

**STAGE 66: REQUIRED PARTS**

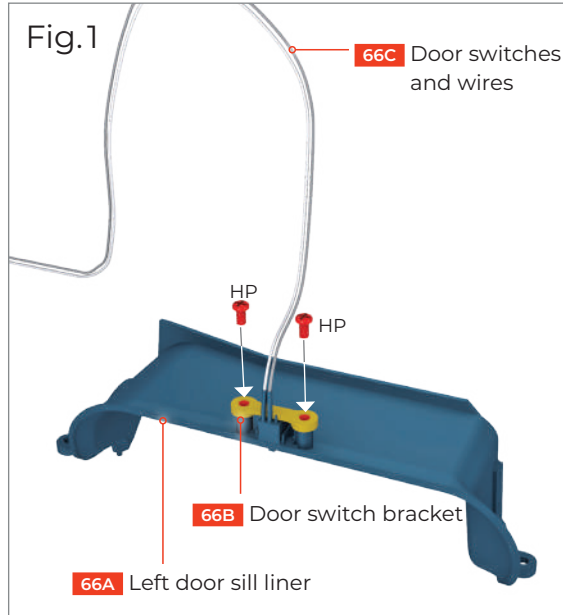
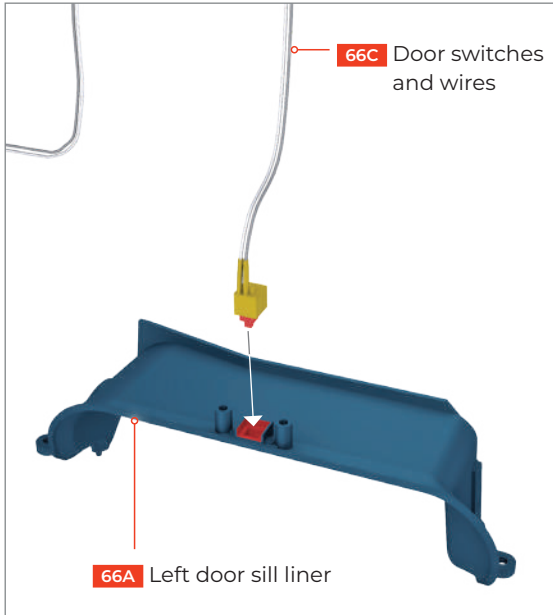
Code	Name	Quantity	Material
66A	Left door sill liner (with pre-fitted handle and lock base)	1	ABS
66B	Door switch bracket	1	ABS
66C	Door switches and wires	1	Mixed
CM	Screws 2 x 4mm	2 + 1*	Iron
HP	Screws 2 x 4mm	2 + 1*	Iron

\* Replacement screws included



## 01 INSTALLING THE LEFT INTERIOR LIGHT SWITCH

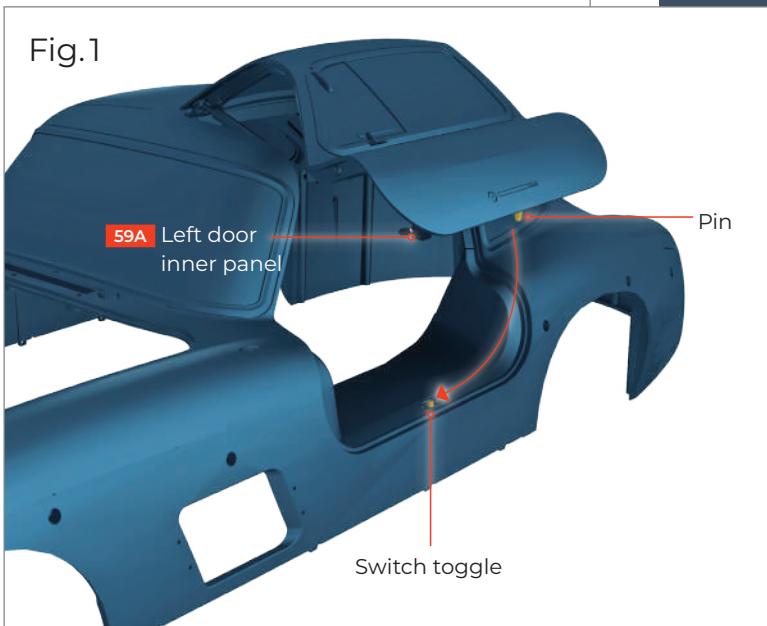
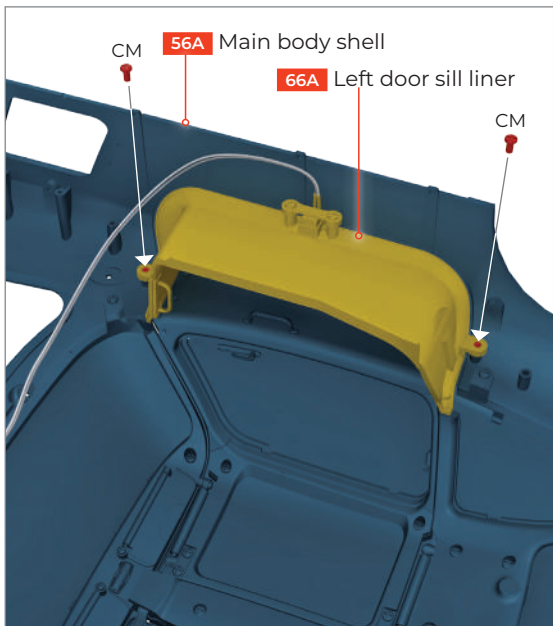
Fit one of the interior light switches **66C** behind the lock base in the left door sill liner **66A** so that the switch toggle protrudes through the lock base, with the switch wires close to the edge of the sill liner. Then position the door switch bracket **66B** over the back of the switch and onto the two screw posts without trapping the wires under the bracket. Fix the bracket in place with two **HP** screws (figure 1).



The right interior light switch will be fitted in the next stage.

## 02 FITTING THE LEFT DOOR SILL LINER

From underneath, fit the left door sill liner **66A** to the inside left of the main body shell **56A**, ensuring that the two screw tabs align with the corresponding screw posts on the body shell. The wires must run downwards against the side of the body shell. Fix the sill liner in place with two **CM** screws. Check that the pin on the bottom edge of the left door inner panel **59A** presses against the toggle of the switch **66C** when the door closes (figure 1).





## STAGE 67: THE RIGHT DOOR SILL LINER

Fit the interior light switch to the right door sill liner and fix it in place with a bracket. Then fit the sill liner into the main body shell.

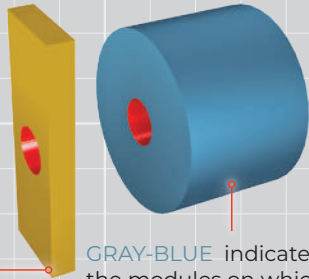


### COLOR CODING

The color coding of the parts shows how they should be put together.

**RED** indicates the screws and the correct position.

**YELLOW** indicates new parts.



**GRAY-BLUE** indicates the modules on which the new parts should be assembled.

### STAGE 67 - REQUIRED PARTS

Code	Name	Quantity	Material
<b>67A</b>	Right door sill liner (with pre-fitted handle and lock base)	1	ABS
<b>67B</b>	Door switch bracket	1	ABS
<b>CM</b>	Screws 2 x 4mm	2 + 1*	Iron
<b>HP</b>	Screws 2 x 4mm	2 + 1*	Iron

\* Replacement screws included



## 01 INSTALLING THE INTERIOR LIGHT SWITCH

Fit the interior light switch **66C** behind the lock base in the right door sill liner **67A** so that the switch toggle protrudes through the lock base, with the switch wires close to the edge of the sill liner. Then position the door switch bracket **67B** over the back of the switch and onto the two screw posts without trapping the wires under the bracket. Fix the bracket in place with two **HP** screws (figure 1).

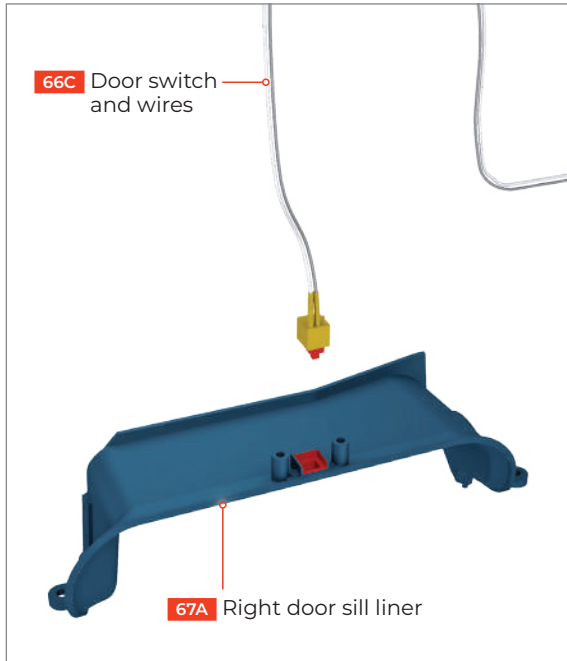
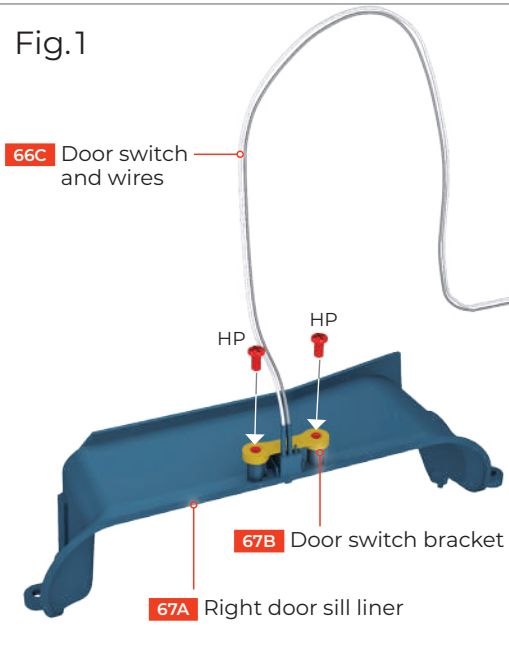


Fig.1



Tie the wires in a loose bundle inside the body shell so that they will not get tangled. The wires will be connected in a later stage.

## 02 FITTING THE RIGHT DOOR SILL LINER

From underneath, fit the right door sill liner **67A** to the inside right of the main body shell **56A**, as shown, ensuring that the two screw tabs align with the corresponding screw posts on the body shell. The wires must run downwards against the side of the body shell. Fix the sill liner in place with two **CM** screws. Check that the pin on the bottom edge of the right door inner panel **62A** presses against the toggle of the switch **66C** when the door closes (figure 1).

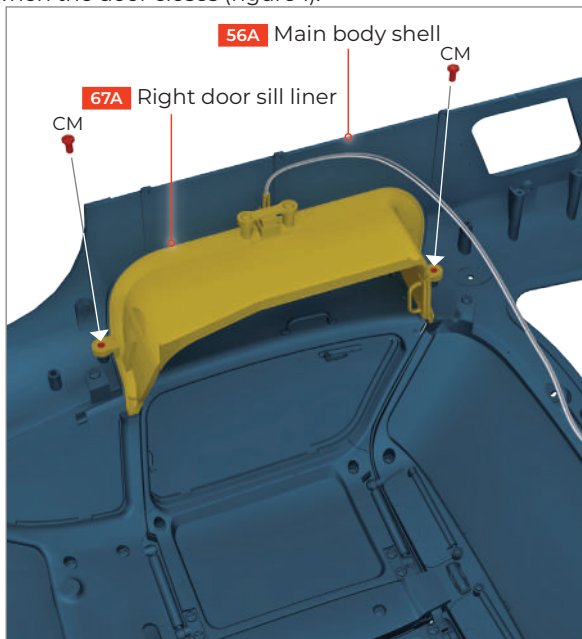
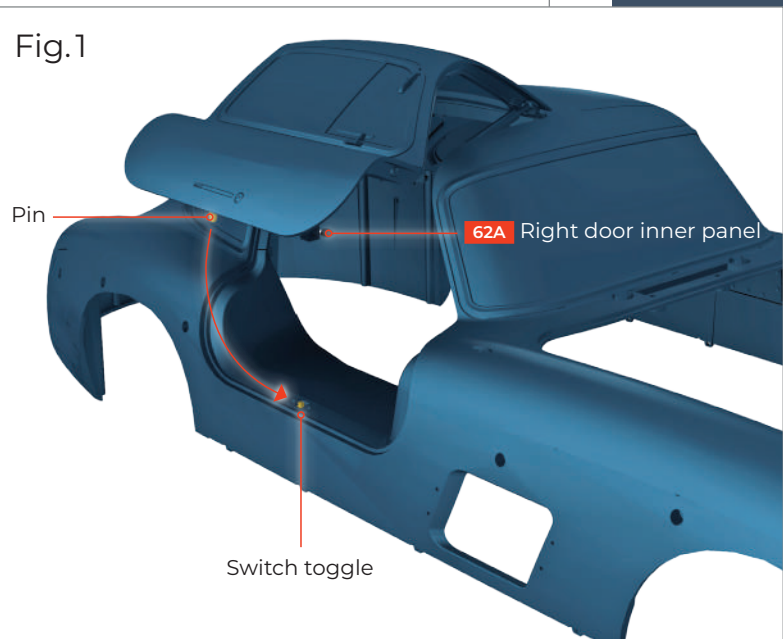


Fig.1





## STAGE 68: THE REAR BUMPER

Fit the overriders and license plate lamps to the rear bumper.



### STAGE 68 - REQUIRED PARTS

Code	Name	Quantity	Material
68A	Rear bumper	1	ABS
68B	Left bumper overrider (L)	1	Zinc
68C	Right bumper overrider (R)	1	Zinc
68D	Left license plate lamp (L)	1	ABS and SAN
68E	Right license plate lamp (R)	1	ABS and SAN
JP	Screws 2 x 5mm	2 + 1*	Iron
MM	Screws 2.3 x 4mm	2 + 1*	Iron

\* Replacement screws included



## 01 FITTING THE BUMPER OVERRIDERS

Fit the left bumper override **68B** to the left side of the rear bumper **68A** and fix with an **MM** screw from behind the bumper – see side note. Fit the right bumper override **68C** to the right side of the rear bumper **68A** and fix with an **MM** screw from behind the bumper (figure 1).

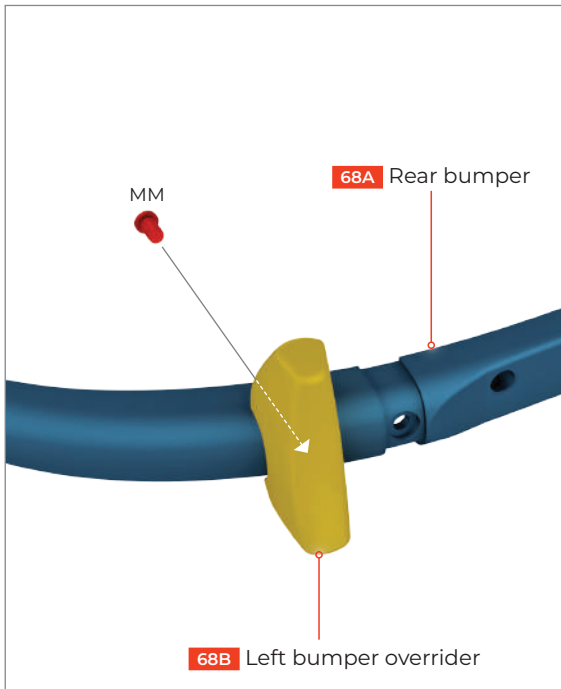
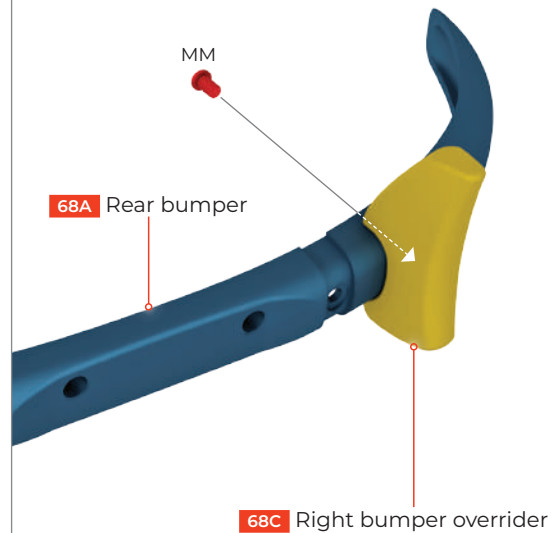


Fig.1



The left side of the bumper, the left override, and the left license plate lamp are all marked with an L on the inside surface. The right side and corresponding parts are labeled with an R.

## 02 FITTING THE LICENSE PLATE LAMPS

Fit the left license plate lamp **68D** to the left side of the rear bumper **68A** and fix it in place with a **JP** screw from behind the bumper. Fit the right license plate lamp **68E** to the right side of the rear bumper **68A** and fix it in place with a **JP** screw from behind the bumper (figure 1).

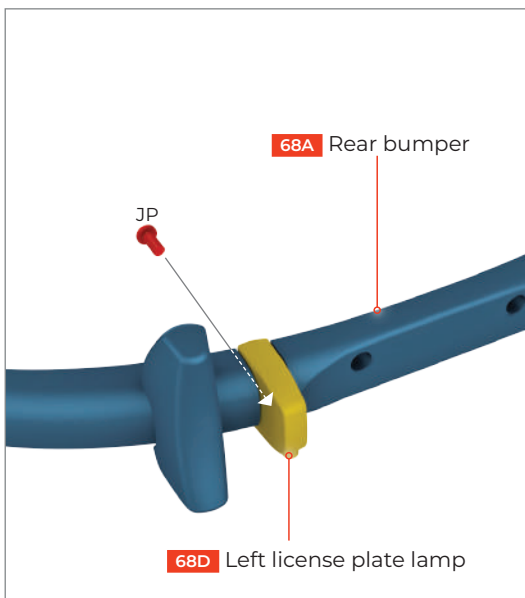
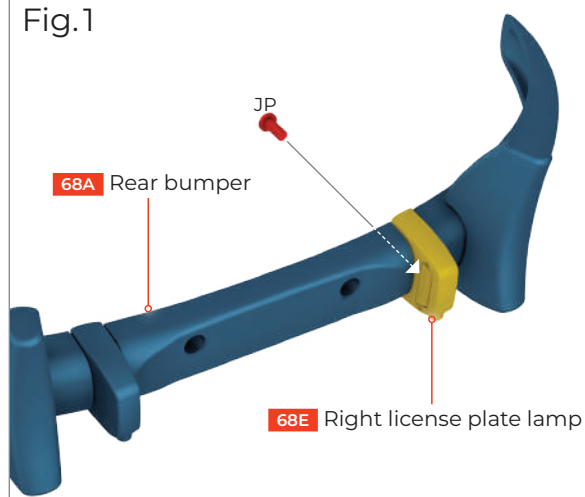


Fig.1



## STAGE 69: THE REAR LICENSE PLATE

Fit the license plate, left and right bumper brackets, and fog lamps to the rear bumper, then fit the bumper onto the main body shell.



### STAGE 69 - REQUIRED PARTS

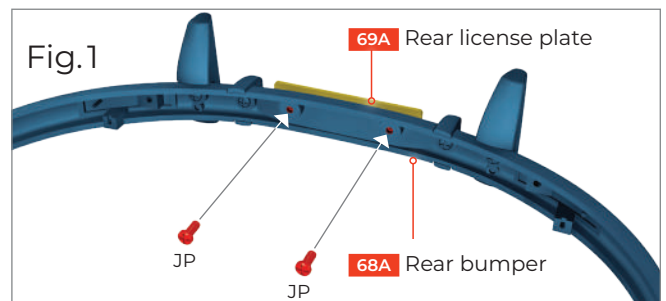
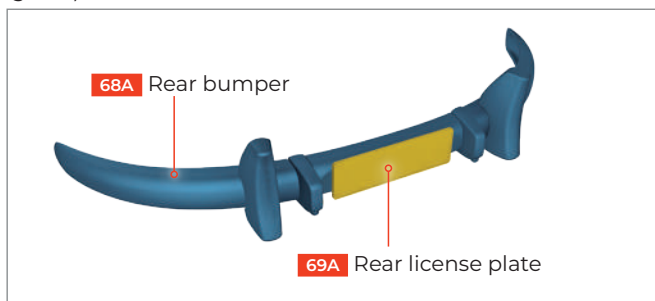
Code	Name	Quantity	Material
69A	Rear license plate	1	ABS
69B	Left bumper bracket (L)	1	Zinc
69C	Right bumper bracket (R)	1	Zinc
69D	Rear fog lamp	2	ABS and SAN
EP	Screws 1.7 x 4mm	2 + 1*	Iron
JP	Screws 2 x 5mm	4 + 2*	Iron
MM	Screws 2.3 x 4mm	2 + 1*	Iron

\*Replacement screws included



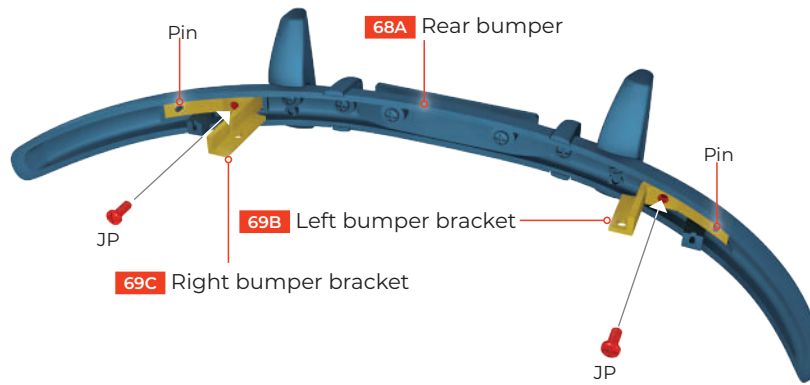
### 01 FITTING THE REAR LICENSE PLATE

Install the rear license plate **69A** onto the rear bumper **68A** and fix it in place with two **JP** screws from behind the bumper (figure 1).



## 02 FITTING THE BUMPER BRACKETS

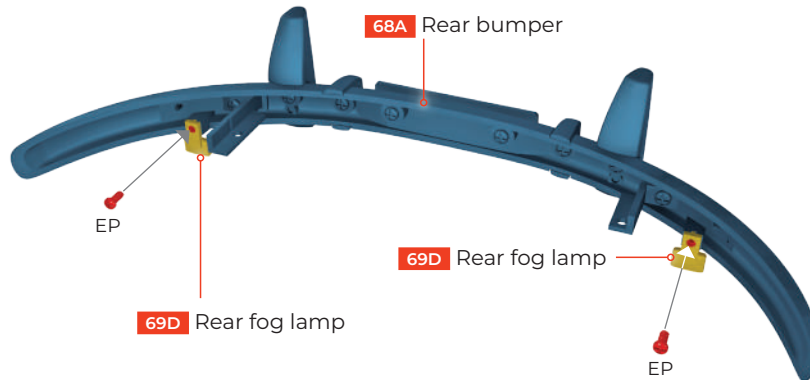
Fit the left bumper bracket **69B** onto the pin on the inside left of the rear bumper **68A** and fix it in place with a **JP** screw. Fit the right bumper bracket **69C** onto the pin on the inside right of the rear bumper **68A** and fix it in place with a **JP** screw.



The left side of the bumper and the left bumper bracket are marked with an L on the inside surface. The right side and corresponding bracket are labeled with an R.

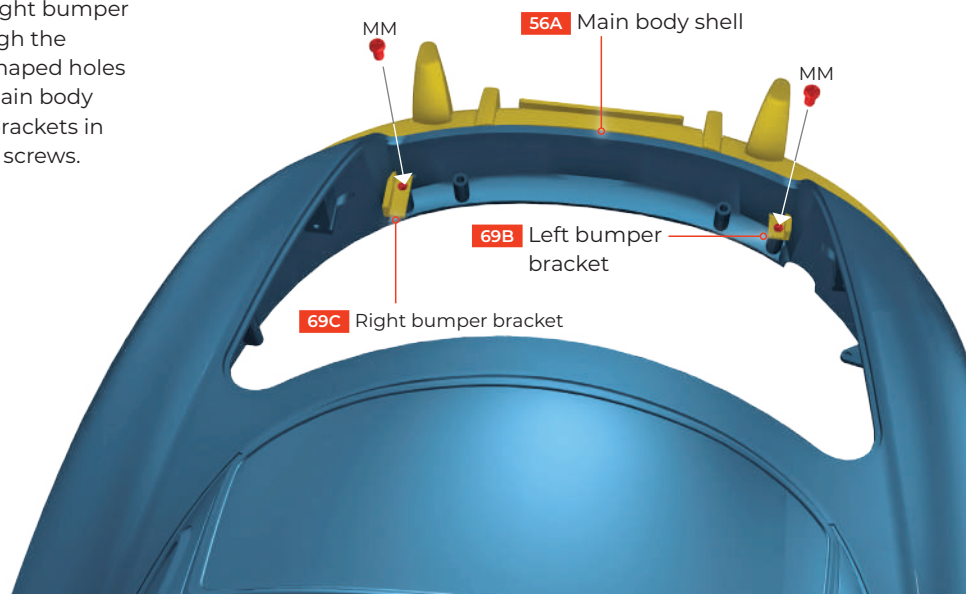
## 03 FITTING THE REAR FOG LAMPS

Fit a rear fog lamp **69D** to the left side of the rear bumper **68A**, ensuring that the red lens faces to the rear. Then fix it in place with an **EP** screw. Repeat to fit the second fog lamp **69D** to the right side of the bumper and fix it in place with an **EP** screw.



## 04 FITTING THE REAR BUMPER

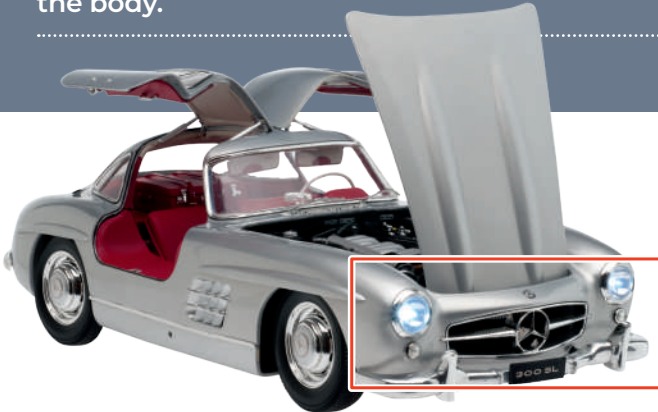
Slide the left bumper bracket **69B** and right bumper bracket **69C** through the corresponding L-shaped holes in the rear of the main body shell **56A**. Fix the brackets in place with two **MM** screws.





## STAGE 70: THE FRONT HEADLIGHTS

Fit the indicator lights, headlights, headlight holders and LEDs to the front of the main body shell, and secure the wires to the sides of the body.



### STAGE 70 - REQUIRED PARTS

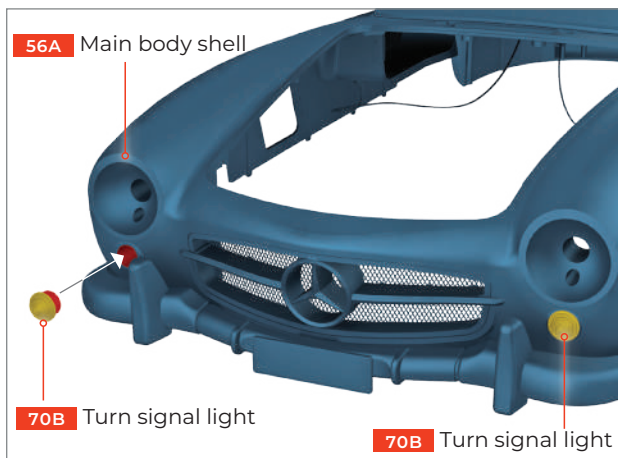
Code	Name	Quantity	Material
70A	Headlight	2	ABS and SAN
70B	Turn signal light	2	ABS and SAN
70C	Wire clamp	2	ABS
70D	Left headlight holder	1	ABS
70E	Right headlight holder	1	ABS
70F	LEDs and wires	1	Mixed
CM	Screws 2 x 4mm	2 + 1*	Iron
OP	Screws 2.3 x 4 x 6mm	2 + 1*	Iron

\* Replacement screws included



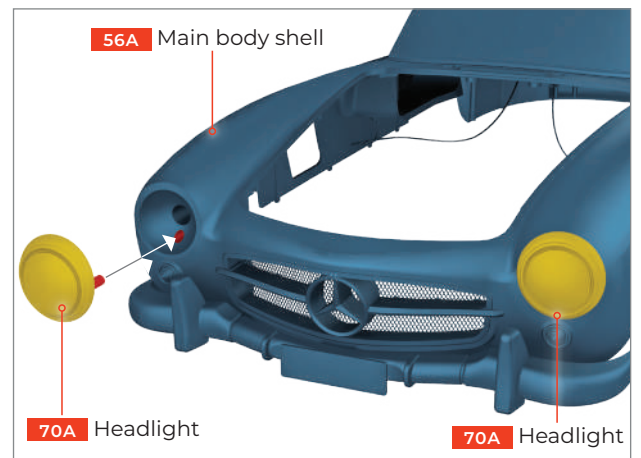
#### 01 FITTING THE TURN SIGNALS

Carefully push a turn signal light **70B** into the small socket at the lower front left of the main body shell **56A**. Repeat for the turn signal light **70B** on the right side.



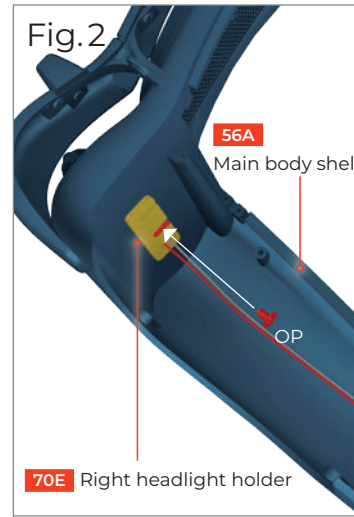
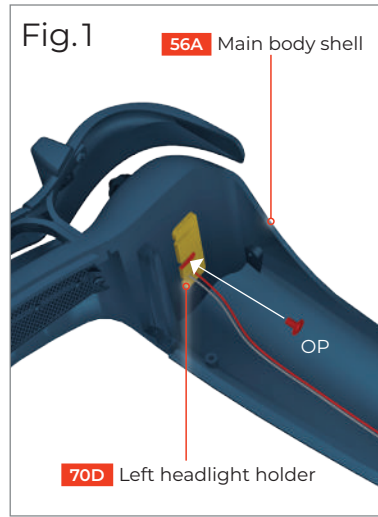
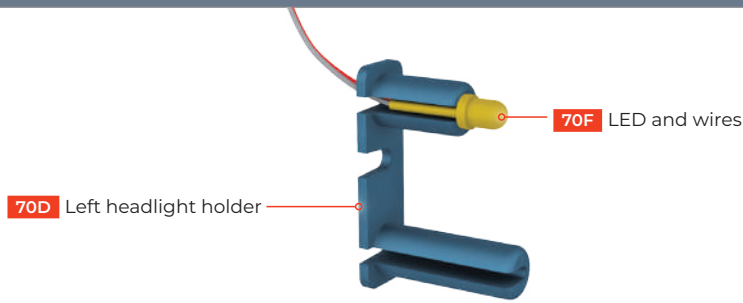
#### 02 FITTING THE HEADLIGHTS

Carefully push a headlight **70A** into its position at the lower front left of the main body shell **56A**. Repeat for the headlight **70A** on the right side.



### 03 FITTING THE LEDS AND HEADLIGHT HOLDERS

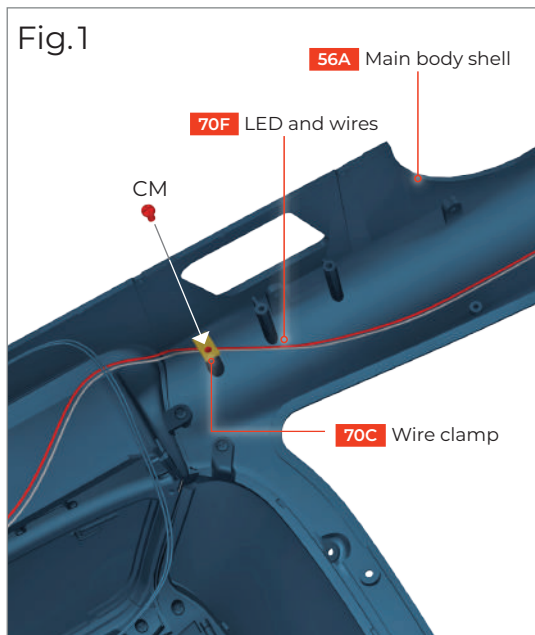
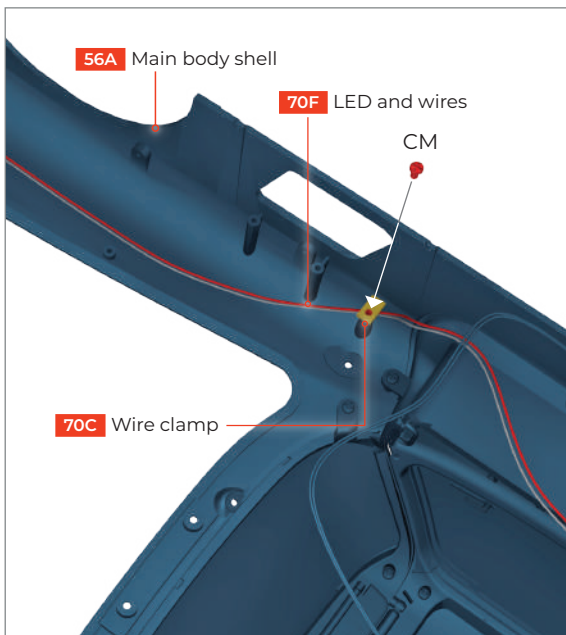
Fit the wires from one of the LEDs **70F** into the slot in the shortest tube of the left headlight holder **70D** so that the LED protrudes forwards from the front of the tube, as shown. Carefully turn the body shell over, and slide the headlight holder, with the LED at the top and towards the front of the car, into its socket in the main body shell **56A**, behind the left headlight. Fix in place with an OP screw (figure 1). Repeat the procedure for the second LED **70F**, fitting it into the right headlight holder **70E** and fixing it behind the right headlight (figure 2).



The left headlight holder is marked with an L. The right headlight holder is marked with an R.

### 04 FITTING THE WIRE CLAMPS

Trail the wires from each LED **70F** beneath the left and right front fenders of the main body shell **56A**. Secure left-side wires with a wire clamp **70C** and a **CM** screw to the screw post near to the left door. Repeat the procedure to secure the wires on the right side (figure 1).





## STAGE 71: THE REAR LIGHTS

Fit the left and right rear light clusters, bulb holders and LEDs to the rear of the main body shell.



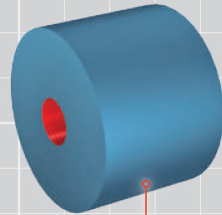
### COLOR CODING

The color coding of the parts shows how they should be put together.

**RED** indicates the screws and the correct position.



**YELLOW** indicates new parts.



**GRAY-BLUE** indicates the modules on which the new parts should be assembled.

### STAGE 71 - REQUIRED PARTS

Code	Name	Quantity	Material
<b>71A</b>	Rear left light cluster	1	ABS and GP
<b>71B</b>	Rear right light cluster	1	ABS and GP
<b>71C</b>	Rear left bulb holder	1	ABS
<b>71D</b>	Rear right bulb holder	1	ABS
<b>71E</b>	Rear LEDs and wires	1	Mixed
<b>RP</b>	Screws 2x7x5mm	2 + 1*	Iron

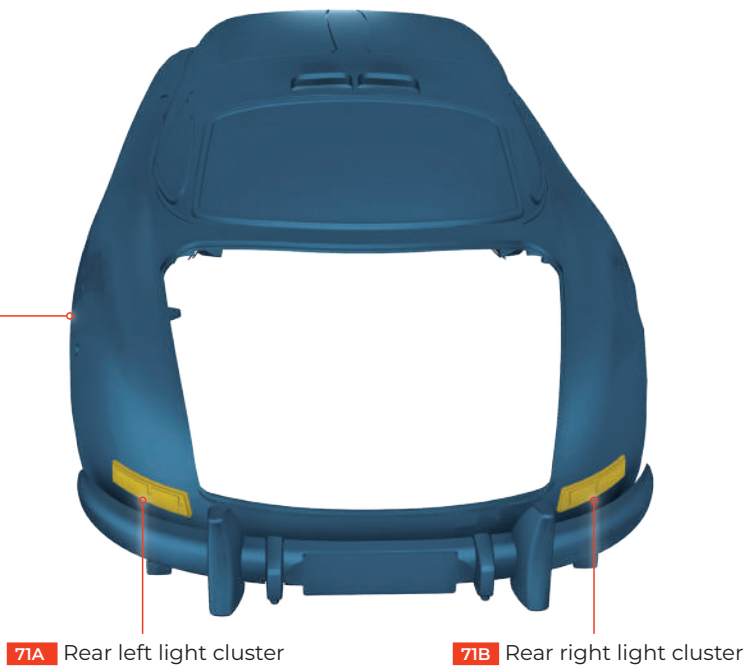
\* Replacement screws included



## 01 FITTING THE REAR LIGHT CLUSTERS

Push the rear left light cluster **71A** into the socket at the rear left of the main body shell **56A**. Repeat for the rear right light cluster **71B** on the right side.

**56A** Main body shell



Work on a soft cloth to avoid scratching the paintwork.

## 02 FITTING THE LEDs AND BULB HOLDERS

Fit the wires from one of the LEDs **71E** into the slot in the shortest tube of the rear left bulb holder **71C** so that the LED protrudes from the front of the tube, as shown. Carefully turn over the body shell **56A** and slide the bulb holder, with the LED pointing to the outside of the car, into the two sockets in the main body shell **56A**, behind the left light cluster. The LED should be positioned behind the red brake light lens. Fix the bulb holder in place with an RP screw (figure 1). Repeat the procedure for the second LED **71E**, fitting it into the rear right bulb holder **71D** and fixing it behind the right light cluster **71B** (figure 2).

Fig.1

**71C** Rear left bulb holder

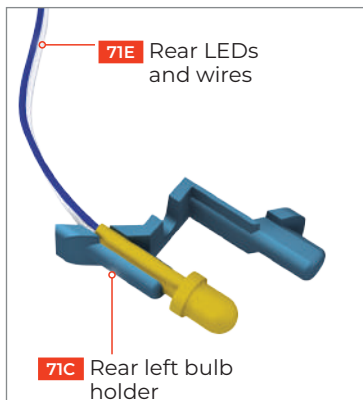
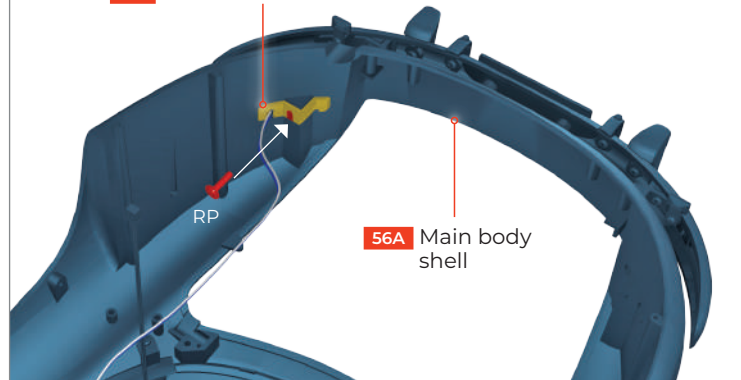
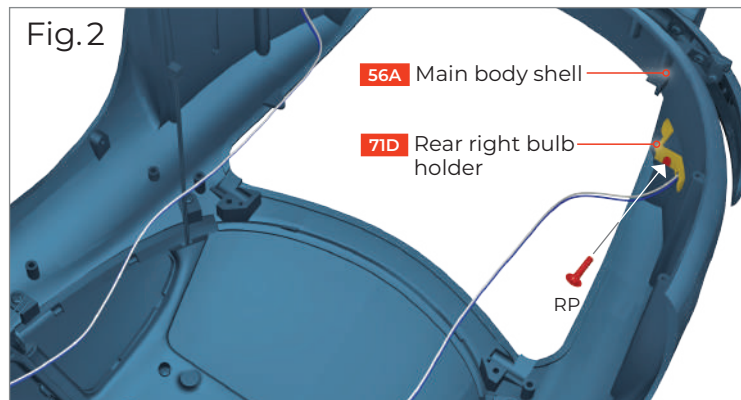


Fig.2

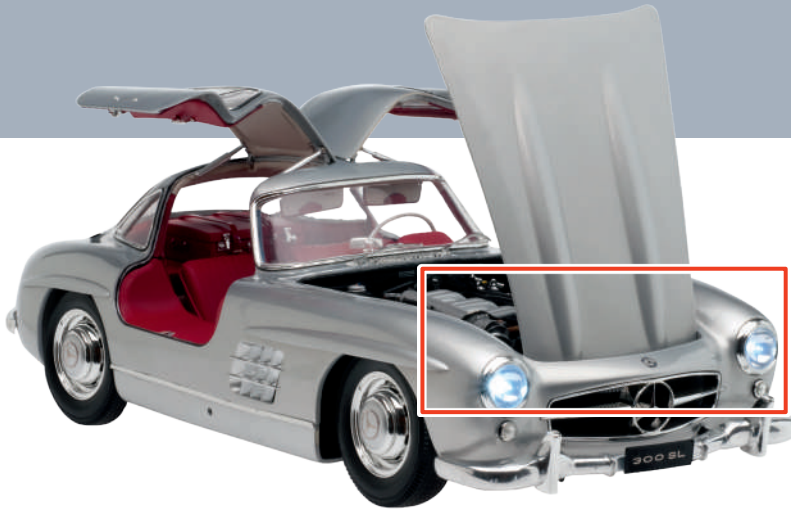
**56A** Main body shell

**71D** Rear right bulb holder



## STAGE 72: INSTALLING THE HOOD

Fit the hood to the main body shell with two hinges and the hood support arm.



### STAGE 72 - REQUIRED PARTS

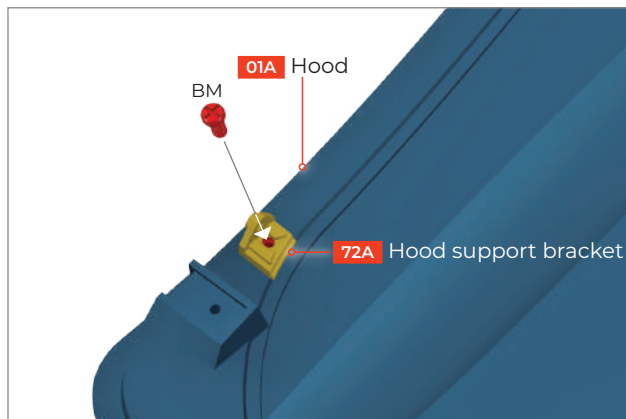
Code	Name	Quantity	Material
72A	Hood support bracket	1	Zinc
72B	Hood hinge flange	2	Steel
72C	Left hood hinge	1	Zinc
72D	Right hood hinge	1	Zinc
72E	Hood support arm	1	Iron
BM	Screws 1.7 x 4mm	1 + 1*	Iron
CM	Screws 2 x 4mm	6 + 2*	Iron
UM	Screws 1.7 x 3mm	1 + 1*	Iron

\* Replacement screws included



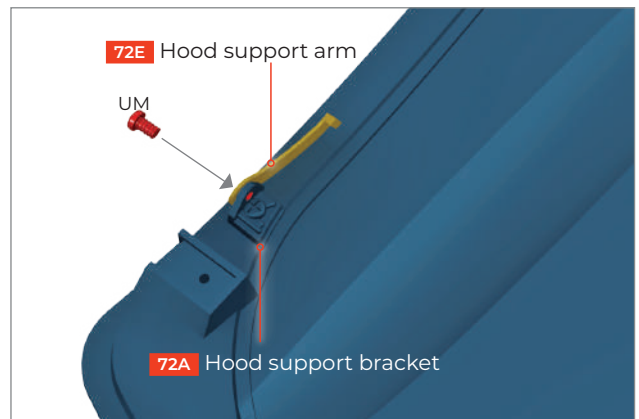
#### 01 FITTING THE HOOD SUPPORT BRACKET

Take the hood **01A** that you received in stage 1. Fit the hood support bracket **72A** over the small hole in the front left side of the hood, ensuring that the angled edge faces outwards. Fix it in place with a **BM** screw.



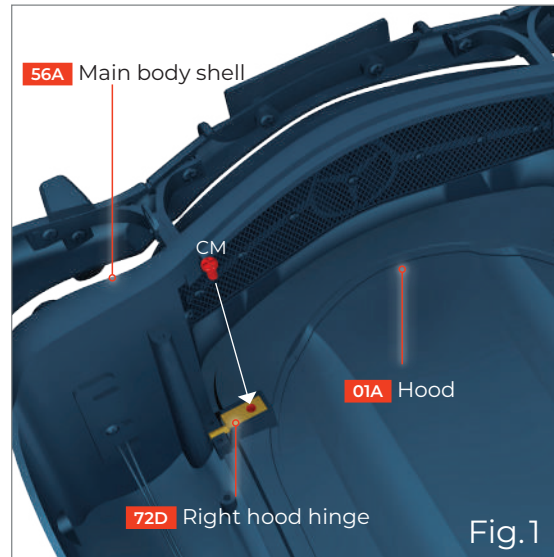
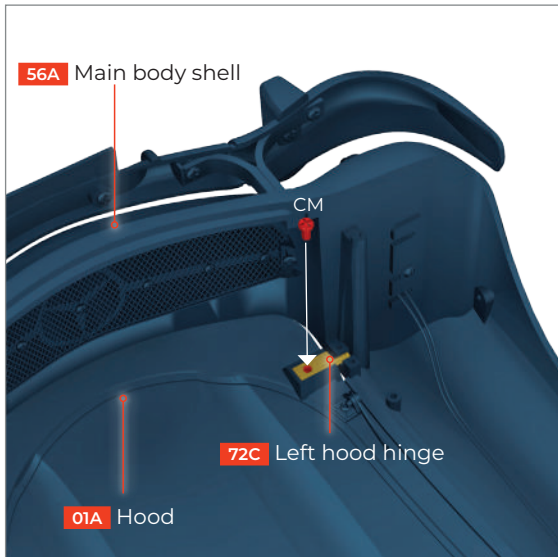
#### 02 FITTING THE HOOD SUPPORT ARM

Fit the hood support arm **72E** over the angled edge of the hood support bracket **72A**, ensuring that the bent end is angled inwards. Fix it in place with a **UM** screw.



### 03 FITTING THE HOOD HINGES

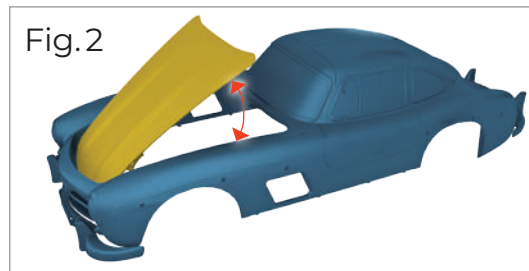
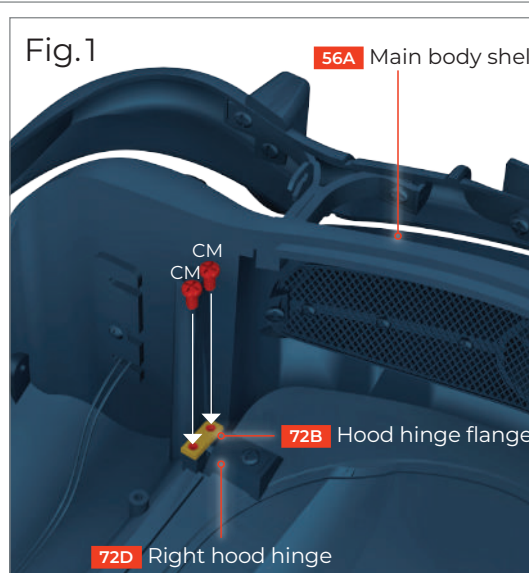
Take the previously assembled main body shell **56A** and lay it upside down on a soft cloth. Align the hood **01A** in the opening in the front of the main body shell. Then fit the left hood hinge **72C** – marked with an L – into the rectangular housing at the front left of the hood **01A**, so that the hinge pin protrudes across to the main body shell. Fix it in place with a **CM** screw. Repeat the procedure to fix the right hood hinge **72D** – marked with an R – to the front right of the hood, and fix it in place with a **CM** screw (figure 1).



Work on a soft cloth to avoid scratching the paintwork.

### 04 FITTING THE HOOD HINGE FLANGES

Fit one of the hood hinge flanges **72B** across the pin of the left hinge **72C**, aligning it with the two screw holes, and fix it in place with two **CM** screws. Repeat to fix the other hinge flange **72B** across the pin of the right hinge **72D** and fix it in place with two **CM** screws (figure 1). Now carefully turn the main body shell **56A** upright and check that the hood seats neatly into the body shell (figure 2).





## STAGE 73: THE TRUNK LID HINGES

In this stage you receive the hinges, flanges, and support rod components for the trunk lid. Please store these safely until you receive the trunk lid and fixing screws with the next pack.



### STAGE 73 - REQUIRED PARTS

Code	Name	Quantity	Material
73A	Left trunk lid hinge	1	Zinc
73B	Right trunk lid hinge	1	Zinc
73C	Trunk hinge flange	2	Zinc
73D	Trunk support rod	1	Iron
73E	Trunk support rod bracket	1	Zinc
73F	Trunk support rod clip	1	ABS

.....  
In stage 74 you will use the hinges, the support, and the other parts received to  
install the trunk lid onto the main body shell.  
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