

1955

# MERCEDES-BENZ

# 300 SL

## GULLWING



# Pack 12

## BUILD INSTRUCTIONS

- |  |                                |   |
|--|--------------------------------|---|
| STAGE 91: THE BATTERY BOX                          | STAGE 94: THE FRONT UNDERTRAY  | STAGE 97: THE REAR UNDERTRAY                |
| STAGE 92: THE LEFT SILL ROCKER PANEL AND TRIM RAIL | STAGE 95: THE CENTER UNDERTRAY | STAGE 98: THE BATTERY BOX (FUEL TANK) COVER |
| STAGE 93: THE RIGHT SILL ROCKER PANEL AND TRIM     | STAGE 96: THE EXHAUST PIPE     | STAGE 99: THE MUFFLER                       |
|  |                                | STAGE 100: THE SUPERCHARGER                 |

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**AGORA**  
MODELS

## 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 91: THE BATTERY BOX

Install the 2 x 1.5-volt AA battery box, which replaces the fuel tank in this model.

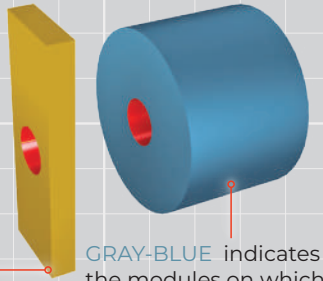


### COLOR CODING

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 91 - REQUIRED PARTS

| Code       | Name                               | Quantity | Material |
|------------|------------------------------------|----------|----------|
| <b>91A</b> | Battery box (2 x AA size 1.5-volt) | 1        | ABS      |
| <b>91B</b> | Battery box lid                    | 1        | ABS      |
| <b>MM</b>  | Screws 2.3 x 4mm                   | 2 + 1*   | Iron     |
| <b>MP</b>  | Screws 2.3 x 4mm                   | 1 + 1*   | Iron     |

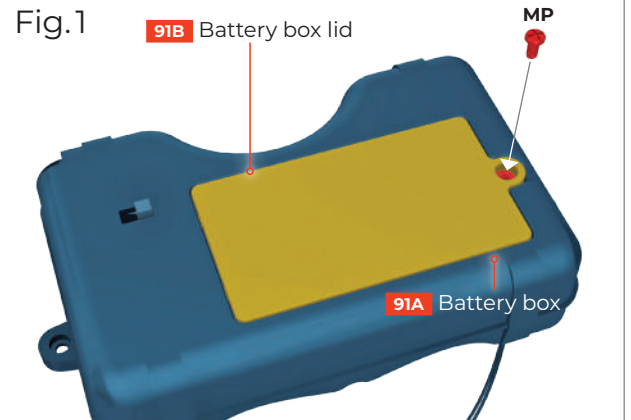
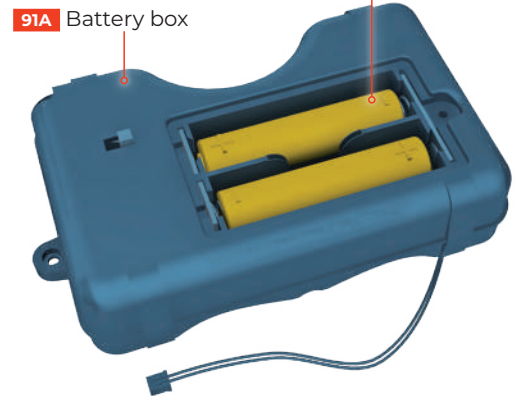
\* Replacement screws included



### 01 FITTING THE BATTERIES

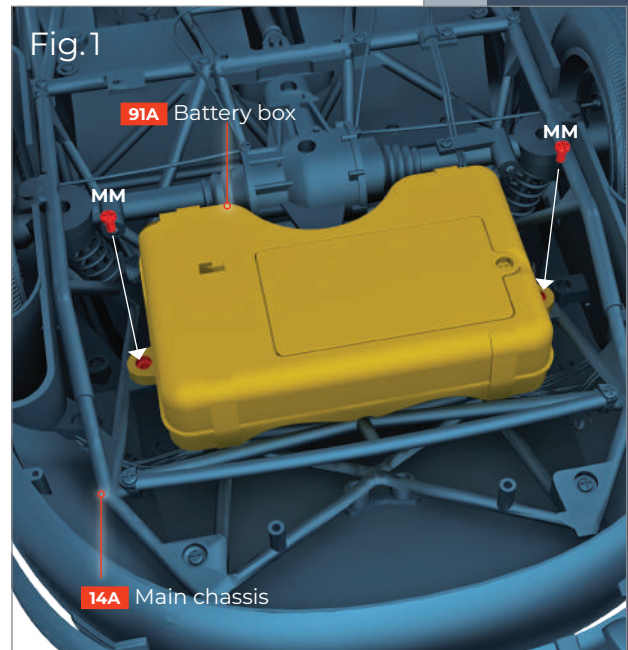
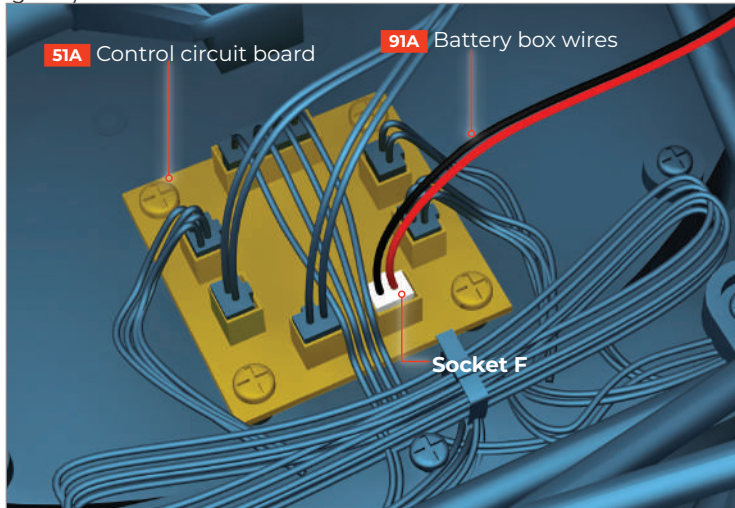
Fit 2 x AA-size 1.5-volt batteries into the battery box **91A**, ensuring that the negative (-) ends of the batteries are against the springs. Then fit the battery box lid **91B** and secure it with an **MP** screw (figure 1). Ensure that the switch is in the OFF (O) position.

2 x AA-size 1.5-volt batteries



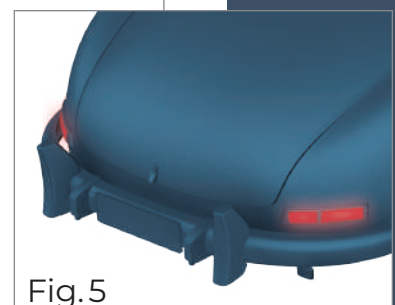
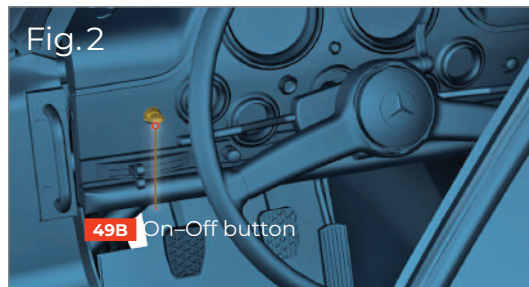
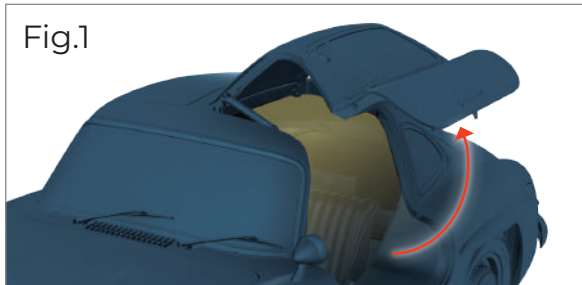
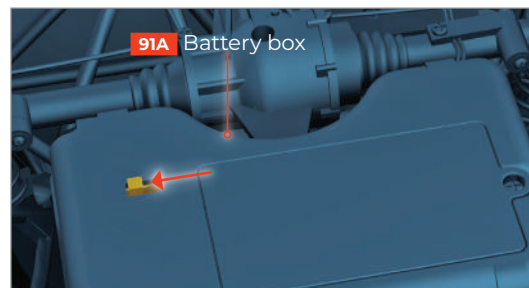
## 02 FITTING THE BATTERY BOX

Plug the red and black wires coming from the battery box into socket F on the control circuit board **51A**. Then fix the battery box **91A** over the two tabs at the rear of the main chassis **14A**, ensuring that the wires are neatly tucked behind the box. Hold it in place with two **MM** screws (figure 1).



## 03 CHECKING THE LIGHTS

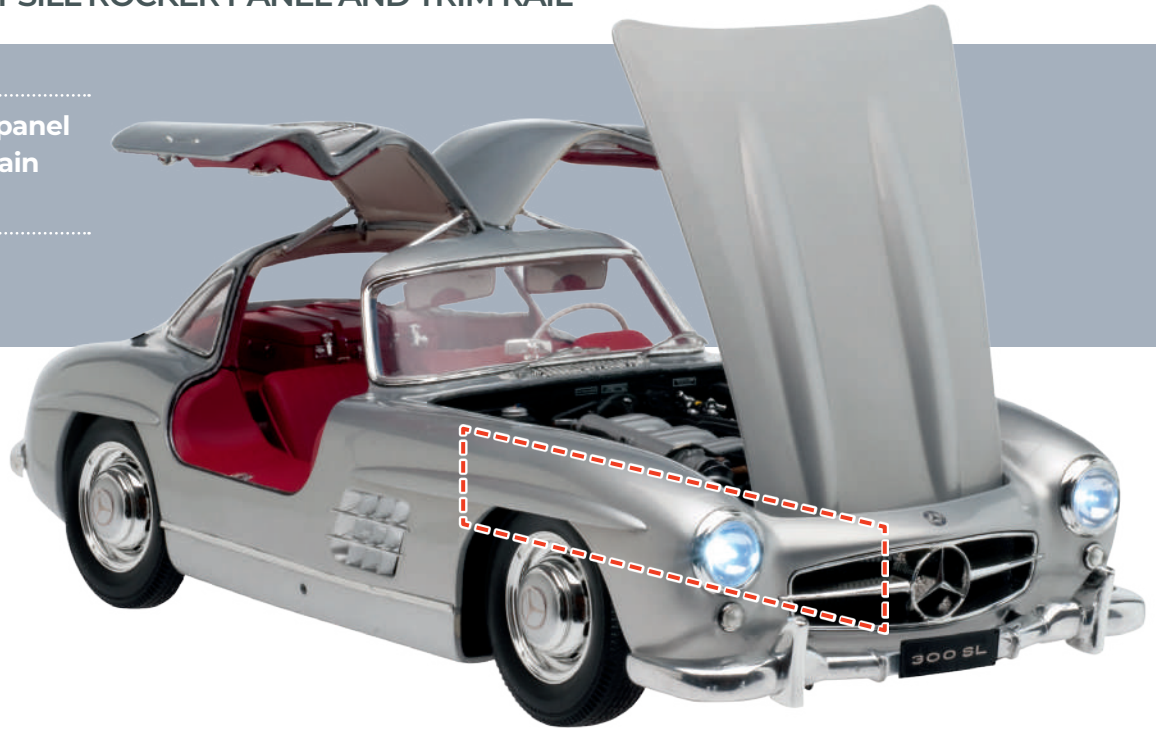
Slide the switch on the battery box **91A** to the ON (-) position. Turn the model onto its wheels. When you open each of the doors, the interior light should illuminate, then turn off when you close the doors (fig. 1). Press the On-Off button **49B** to the left of the steering wheel on the dashboard instrument panel, (fig. 2), to switch on the headlights and rear lights (fig. 3). Then press the brake pedal **38A** (fig. 4) to illuminate the rear brake lights (fig. 5). When you have completed the test, press the On-Off button **49B** then switch off the battery box **91A**.



It is best to remove the batteries from the battery box if you are not going to use the lights for a long period.

## STAGE 92: THE LEFT SILL ROCKER PANEL AND TRIM RAIL

Fit the left sill rocker panel and trim rail to the main body shell.



### STAGE 92 - REQUIRED PARTS

| Code | Name                             | Quantity | Material |
|------|----------------------------------|----------|----------|
| 92A  | Left sill rocker panel           | 1        | Zinc     |
| 92B  | Left sill trim                   | 1        | ABS      |
| BM   | Screws 0.06 x 0.15in (1.7 x 4mm) | 4 + 2*   | Iron     |

\* Replacement screws included



92A

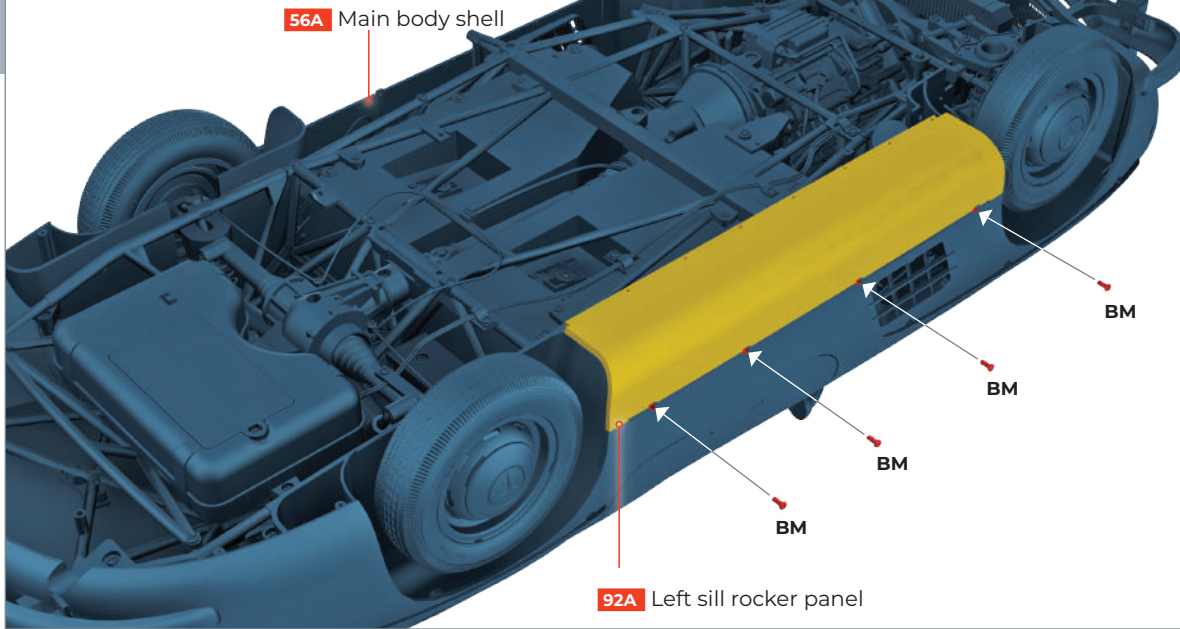


92B



## 01 FITTING THE LEFT SILL ROCKER PANEL

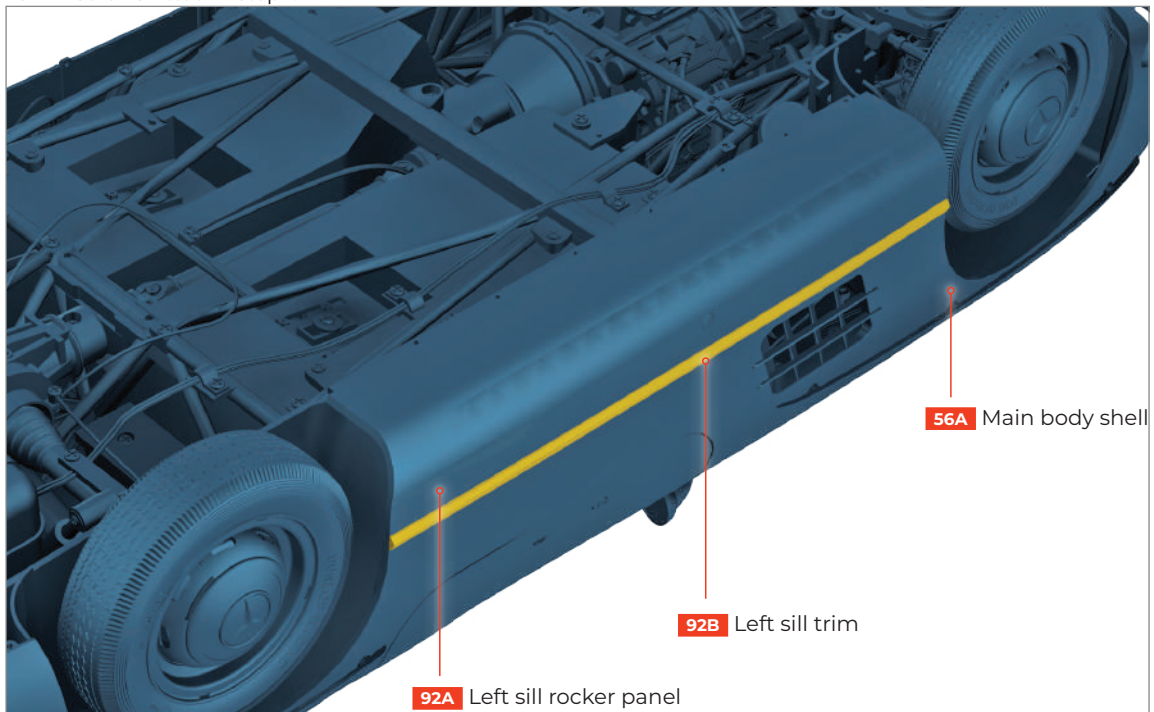
Fit the left sill rocker panel **92A** to the lower left side of the main body shell **56A** so that it wraps under the door sill. Fix it in place with four **BM** screws.



Lay the model on a soft cloth to protect the paintwork.

## 02 INSTALLING THE LEFT SILL TRIM

Push the pins on the back of the left sill trim **92B** into their sockets along the joint between the main body shell **56A** and the left sill rocker panel **92A**. But first, ensure the sill trim is correctly oriented so that its ends align to the edges of the wheel arches, and the gaps in the ridge on the back edge correspond with the positions of the **BM** screws fitted in step 1.



## STAGE 93: THE RIGHT SILL ROCKER PANEL AND TRIM

Fit the right sill rocker panel and sill trim.



### STAGE 93 - REQUIRED PARTS

| Code | Name                    | Quantity | Material |
|------|-------------------------|----------|----------|
| 93A  | Right sill rocker panel | 1        | Zinc     |
| 93B  | Right sill trim         | 1        | ABS      |
| BM   | Screws 1.7 x 4mm        | 4 + 2*   | Iron     |

\* Replacement screws included



93A

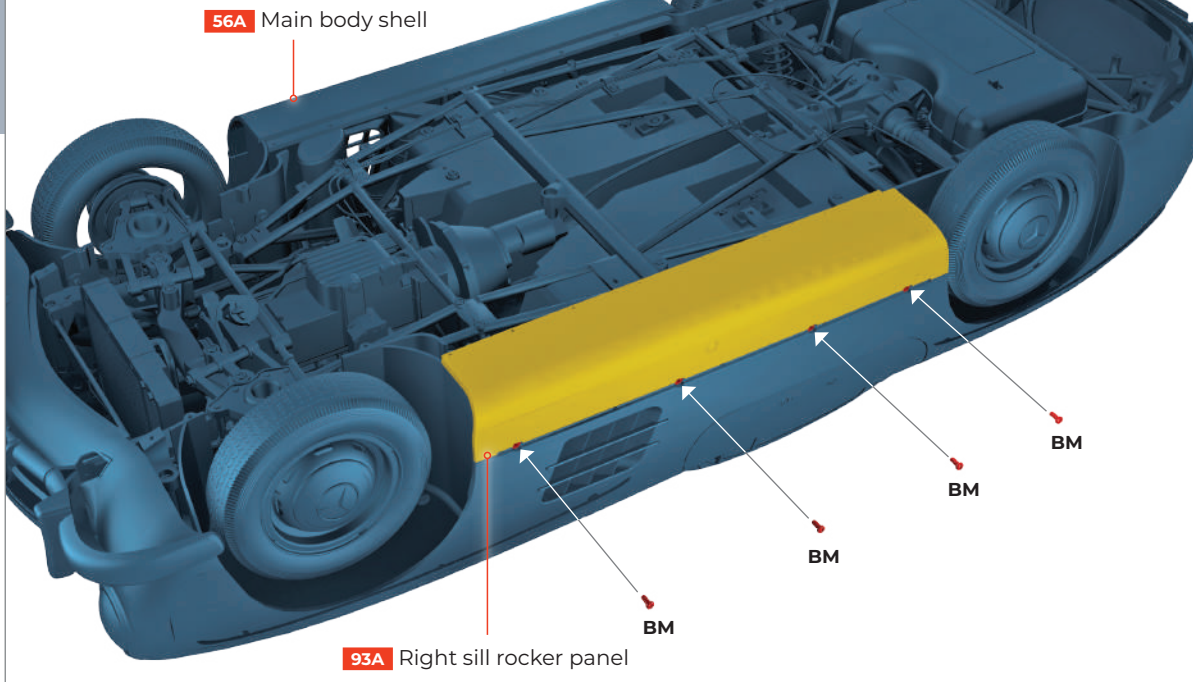


93B



## 01 FITTING THE RIGHT SILL ROCKER PANEL

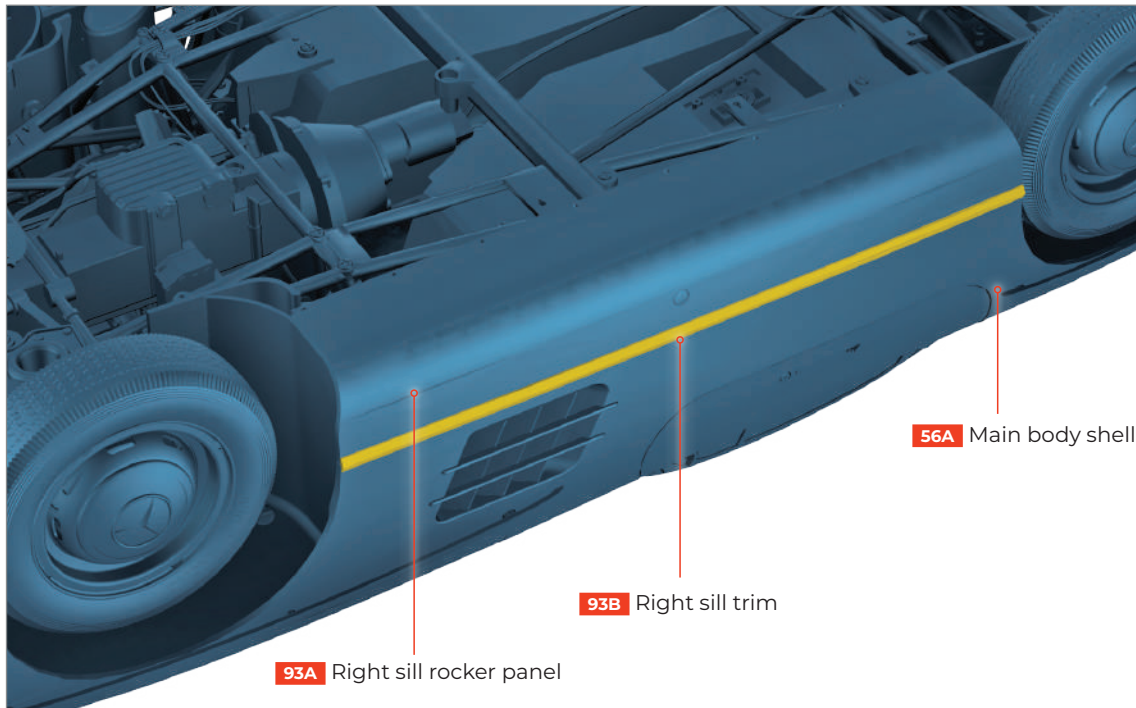
Fit the right sill rocker panel **93A** to the lower right side of the main body shell **56A** so that it wraps under the door sill. Fix it in place with four **BM** screws.



Lay the model on a soft cloth to protect the paintwork.

## 02 INSTALLING THE RIGHT SILL TRIM

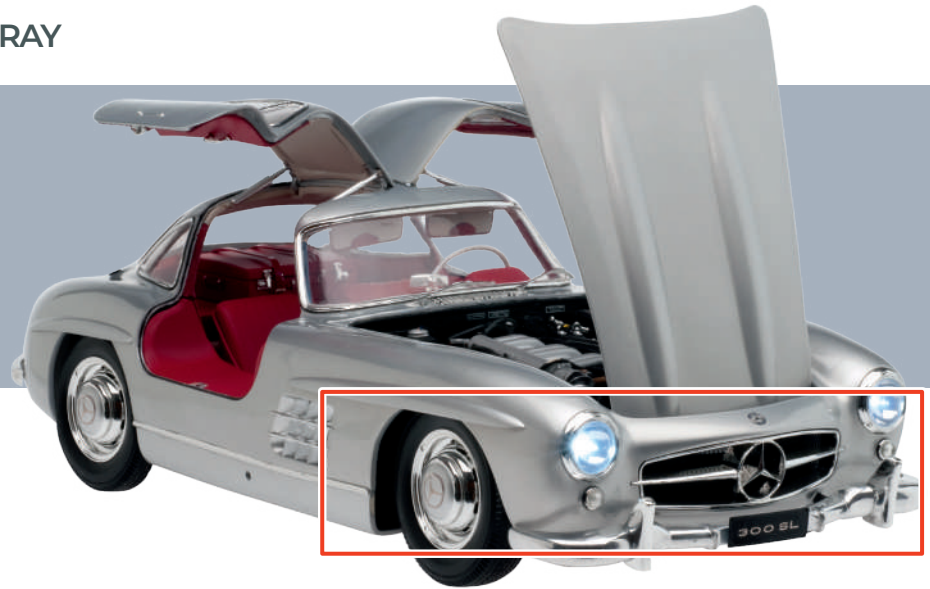
Push the pins on the back of the right sill trim **93B** into their sockets along the joint between the main body shell **56A** and the right sill rocker panel **93A**. But first, ensure the sill trim is correctly oriented so that its ends align to the edges of the wheel arches, and the gaps in the ridge on the back edge correspond with the positions of the **BM** screws fitted in step 1.





## STAGE 94: THE FRONT UNDERTRAY

Fit the front undertray beneath the car.



### STAGE 94 - REQUIRED PARTS

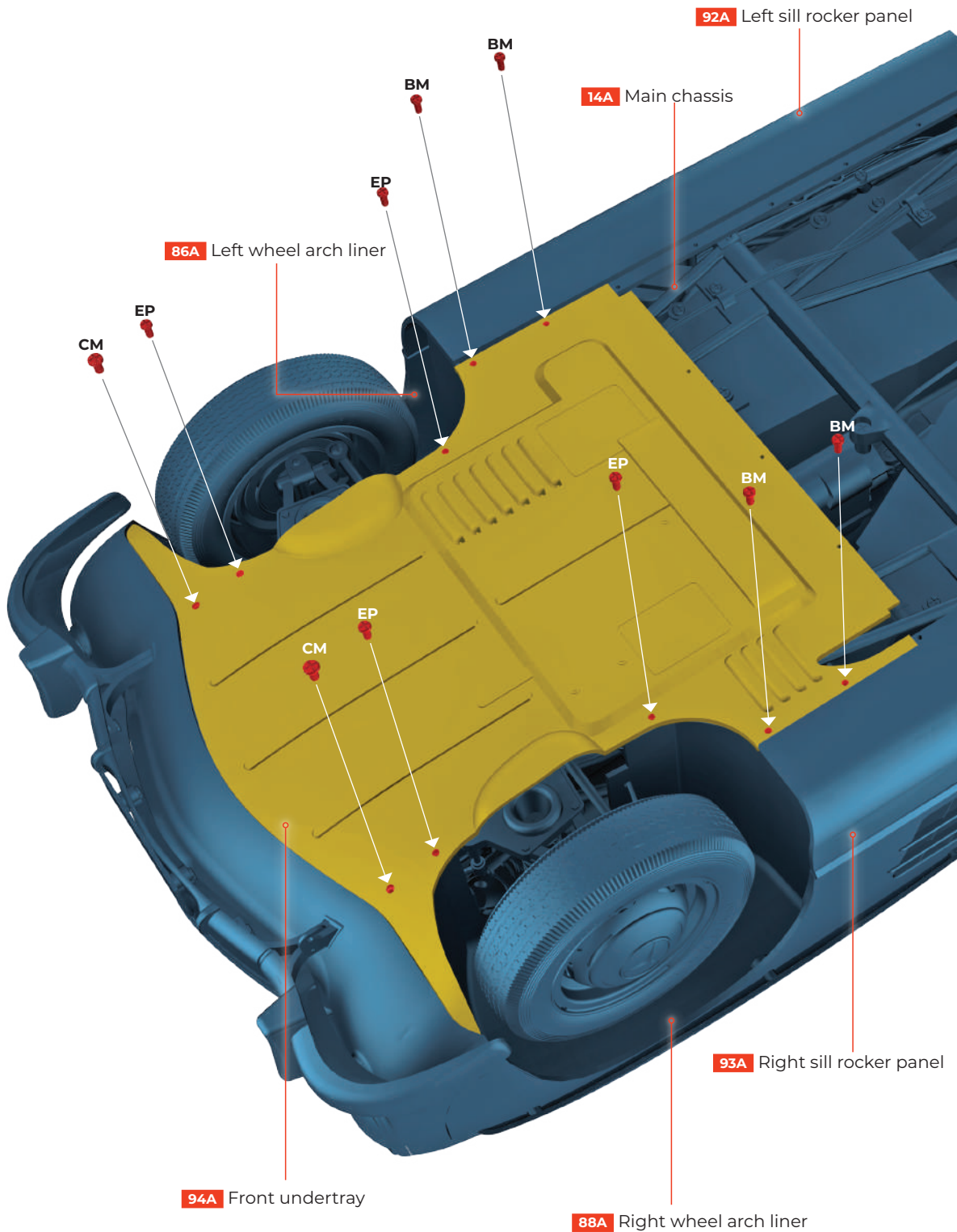
| Code       | Name             | Quantity | Material |
|------------|------------------|----------|----------|
| <b>94A</b> | Front undertray  | 1        | ABS      |
| BM         | Screws 1.7 x 4mm | 4 + 2*   | Iron     |
| CM         | Screws 2 x 4mm   | 2 + 1*   | Iron     |
| EP         | Screws 1.7 x 4mm | 4 + 2*   | Iron     |

\* Replacement screws included



## 01 FITTING THE FRONT UNDERTRAY

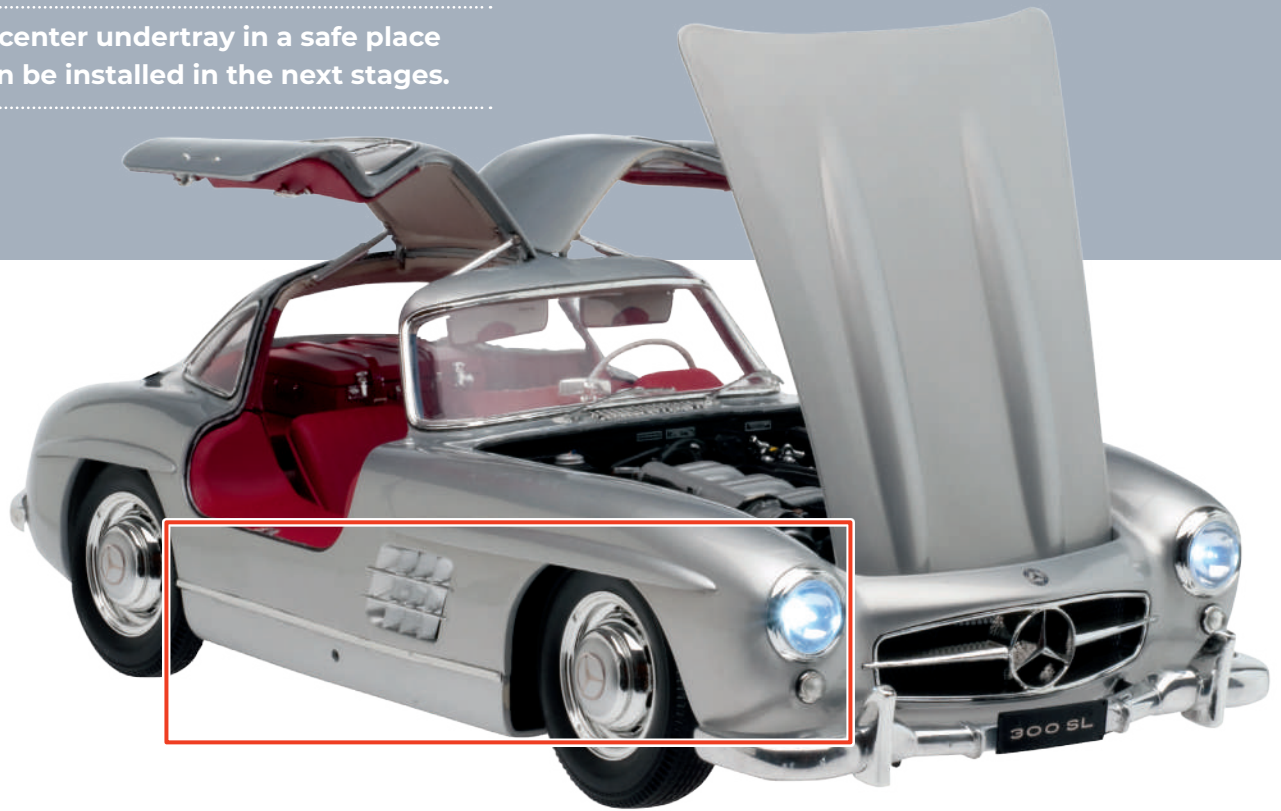
Fix the front undertray **94A** to the underside of the car in the position shown, screwing two **CM** screws into the front of the undertray and through to the main chassis **14A**. Then place two **EP** screws through the undertray into the front left wheel arch liner **86A**. Do the same in the front right wheel arch liner **88A**. Then insert two **BM** screws through the undertray and into the edge of the left sill rocker panel **92A**. And finally, insert two more **BM** screws into the edge of the right sill rocker panel **93A**.



Lay the model on a soft cloth to protect the paintwork.

## STAGE 95: THE CENTER UNDERTRAY

Keep the center undertray in a safe place until it can be installed in the next stages.

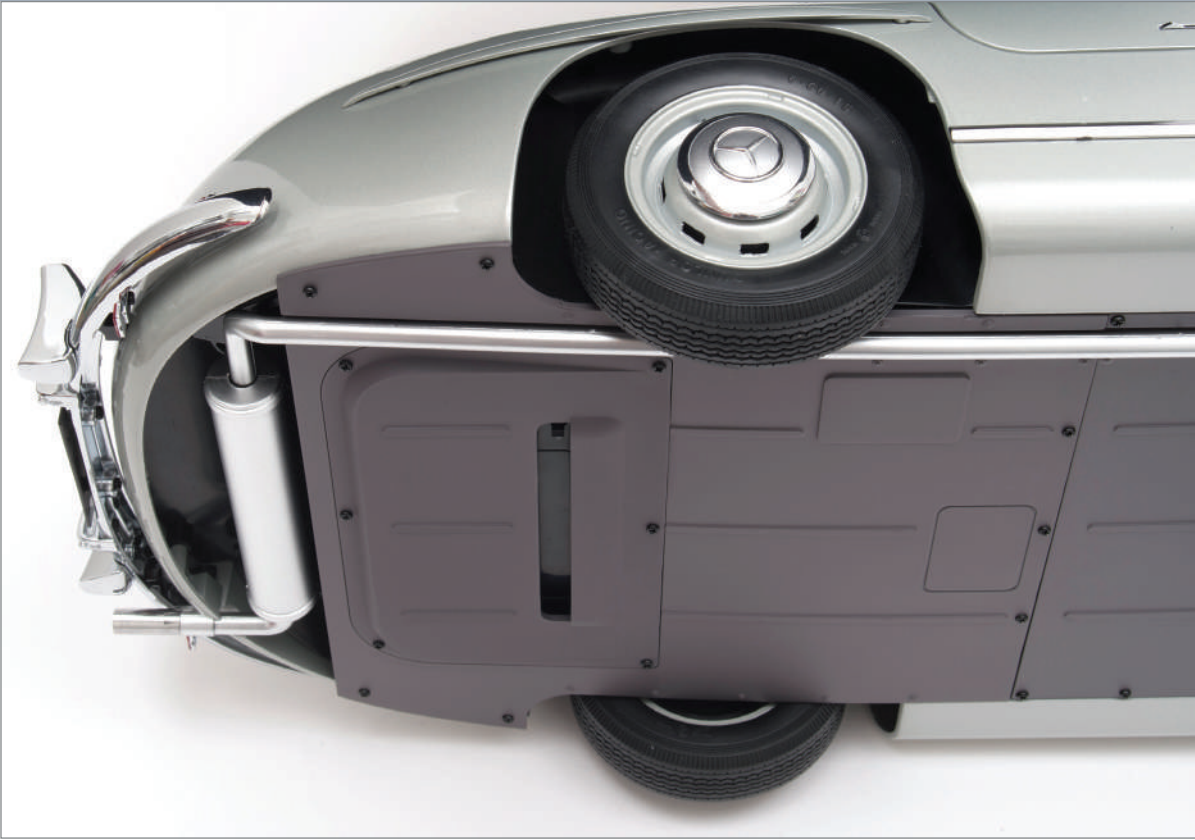


### STAGE 95 - REQUIRED PARTS

| Code | Name             | Quantity | Material |
|------|------------------|----------|----------|
| 95A  | Center undertray | 1        | ABS      |

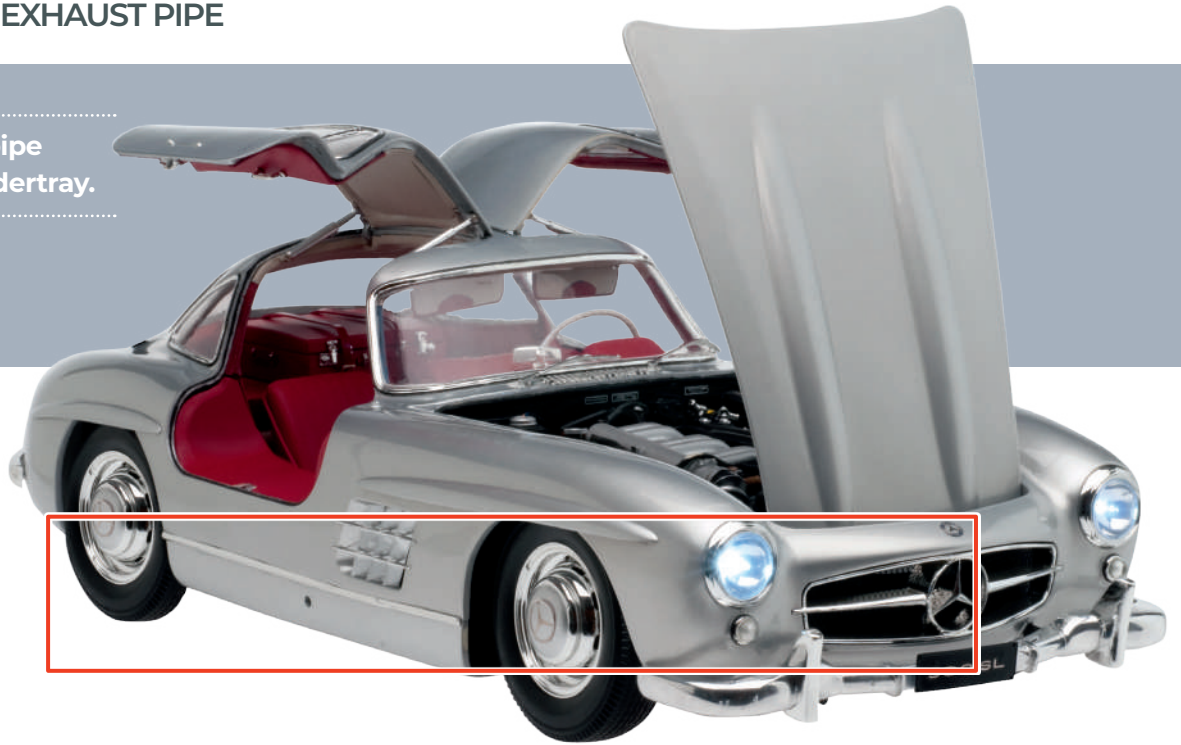


In stages 96-100, you will fit the exhaust pipe, the rear chassis undertray, the muffler bottom half, the tailpipe, the battery box cover, and the air compressor. These parts will complete your model.



■ STAGE 96: THE EXHAUST PIPE

Fit the exhaust pipe to the center undertray.



**STAGE 96 - REQUIRED PARTS**

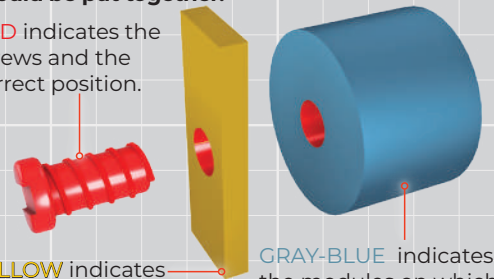
| Code | Name                   | Quantity | Material |
|------|------------------------|----------|----------|
| 96A  | Exhaust pipe           | 1        | ABS      |
| DP   | Screws 1.7 x 3 x 4.5mm | 1 + 1*   | Iron     |

\* Replacement screws included

**COLOR CODING**

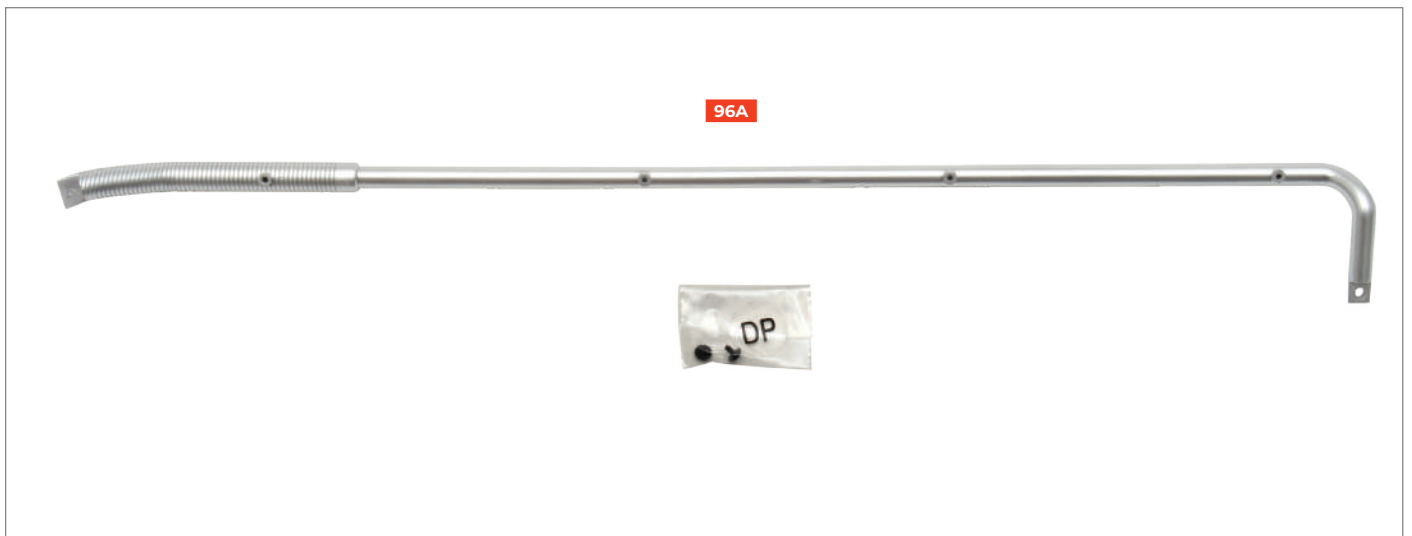
The color coding of the parts shows how they should be put together.

RED indicates the screws and the correct position.



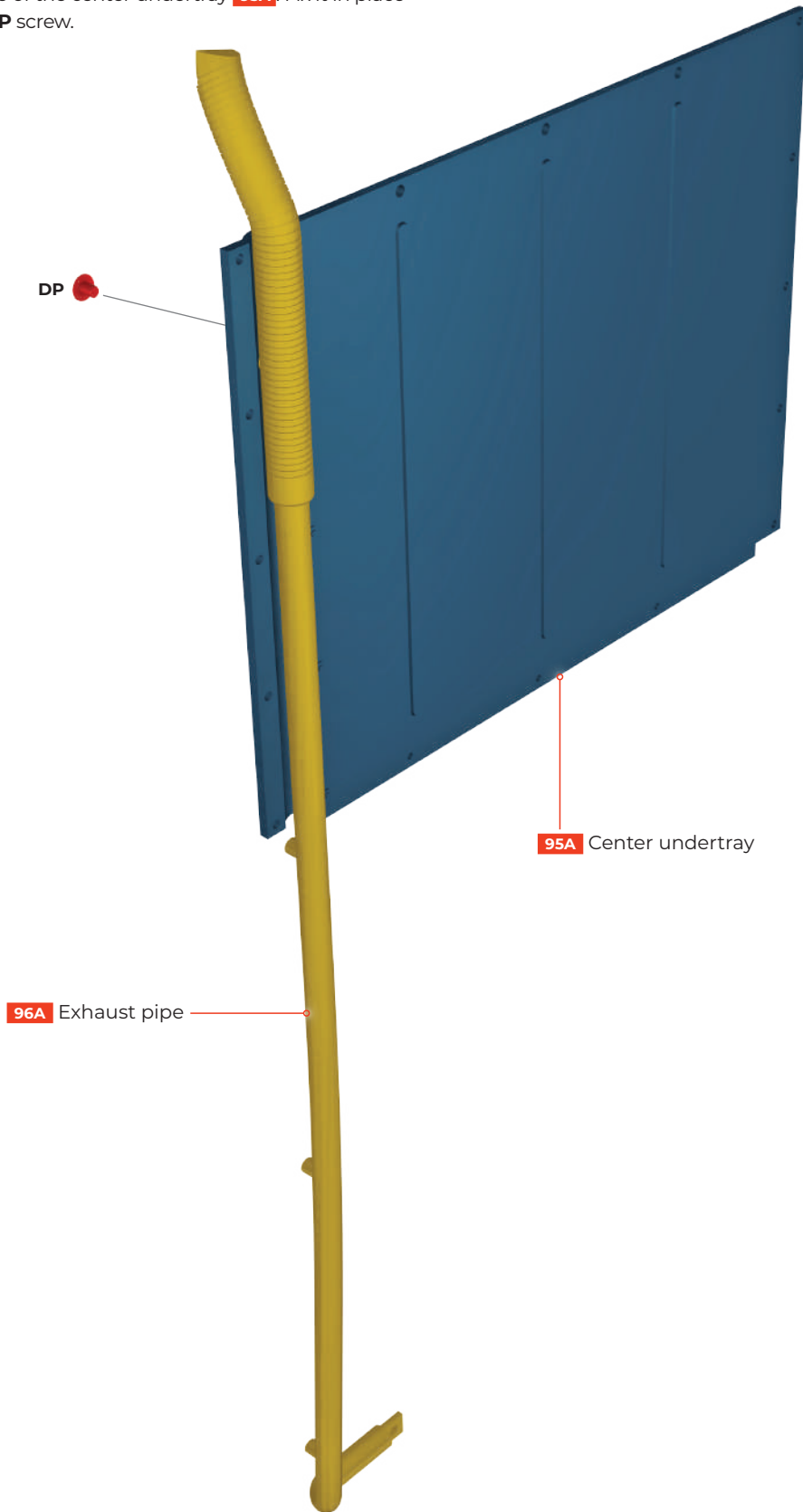
YELLOW indicates new parts.

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



## 01 FITTING THE EXHAUST PIPE

Fit the exhaust pipe **96A** to the channel along the right side of the center undertray **95A**. Fix it in place with a **DP** screw.



## STAGE 97: THE REAR UNDERTRAY

Fit the exhaust tailpipe and muffler top to the exhaust pipe; then fit the center and rear undertrays.



### STAGE 97 - REQUIRED PARTS

| Code       | Name                   | Quantity | Material |
|------------|------------------------|----------|----------|
| <b>97A</b> | Rear undertray         | 1        | ABS      |
| <b>97B</b> | Muffler top            | 1        | ABS      |
| <b>97C</b> | Exhaust tailpipe       | 1        | ABS      |
| BM         | Screws 1.7 x 4mm       | 14 + 5*  | Iron     |
| DP         | Screws 1.7 x 3 x 4.5mm | 3 + 2*   | Iron     |
| EP         | Screws 1.7 x 4mm       | 7 + 3*   | Iron     |
| KP         | Screws 2 x 6mm         | 1 + 1*   | Iron     |
| MM         | Screws 2.3 x 4mm       | 2 + 1*   | Iron     |

\* Replacement screws included



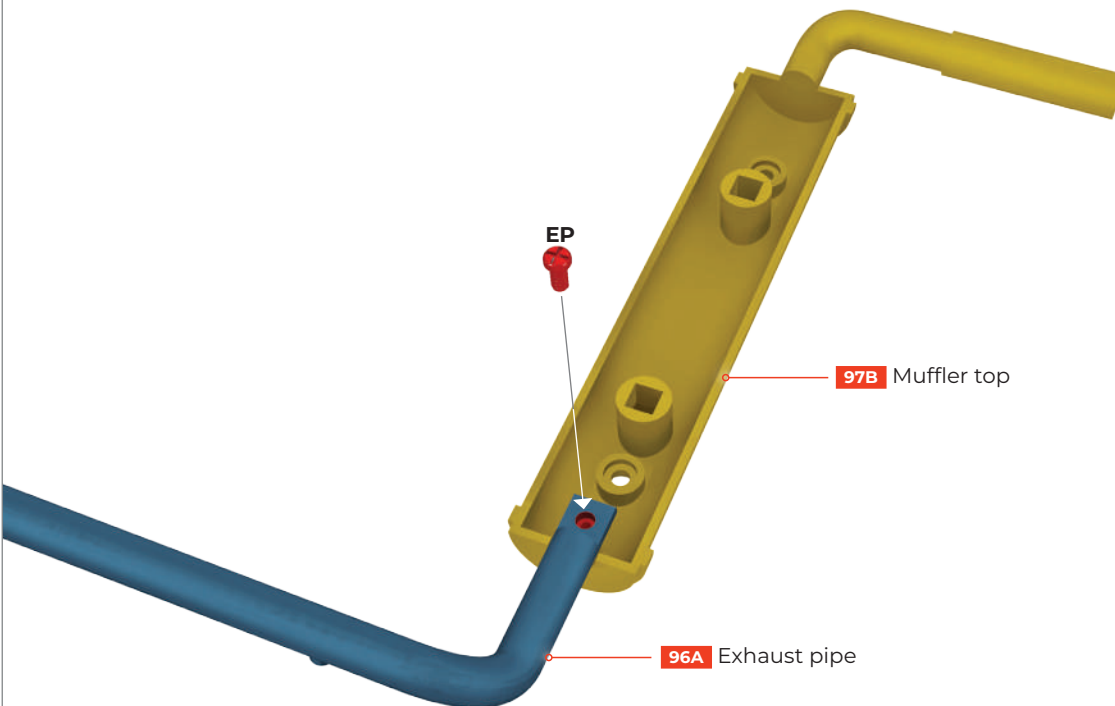
## 01 FITTING THE TAILPIPE

Fit the exhaust tailpipe **97C** to the top half of the muffler **97B**. Fix with a **KP** screw through the end of the tailpipe.



## 02 CONNECTING THE MUFFLER

Connect the top half of the muffler **97B** to the exhaust pipe **96A**. Fix it in place with an **EP** screw.





03 CONNECTING THE CENTER AND REAR UNDERTRAYS

Connect the rear undertray **97A** to the center undertray **95A** so that the pieces interlock. Fix the exhaust pipe **96A** to the rear undertray with three **DP** screws. Then fix the rear undertray **97A** to the center undertray **95A** with three **EP** screws (figure 1).

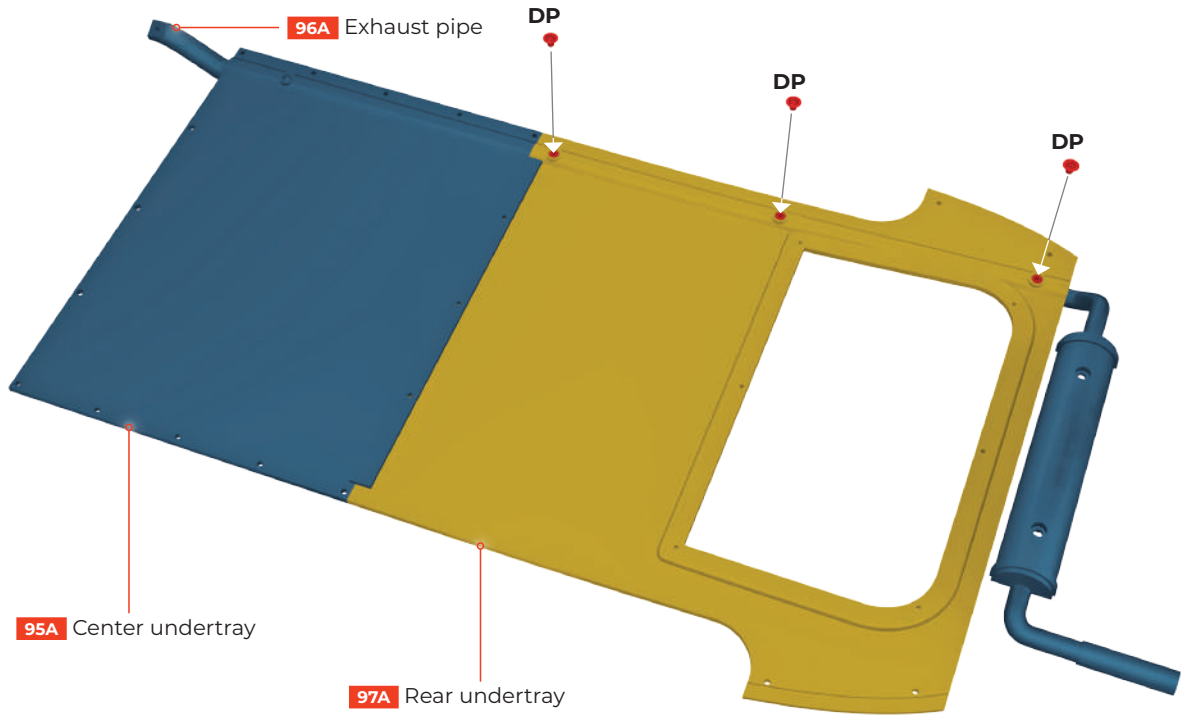
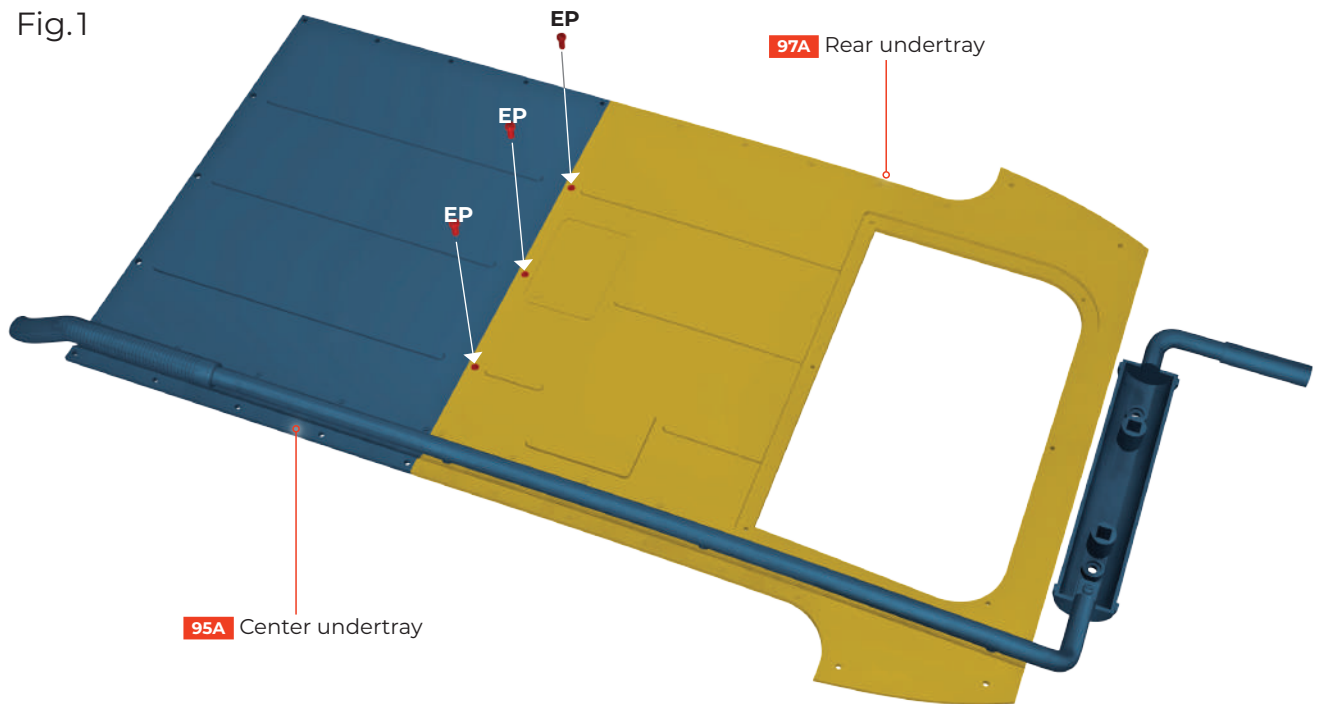
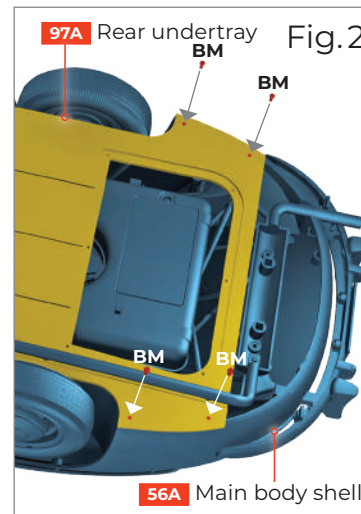
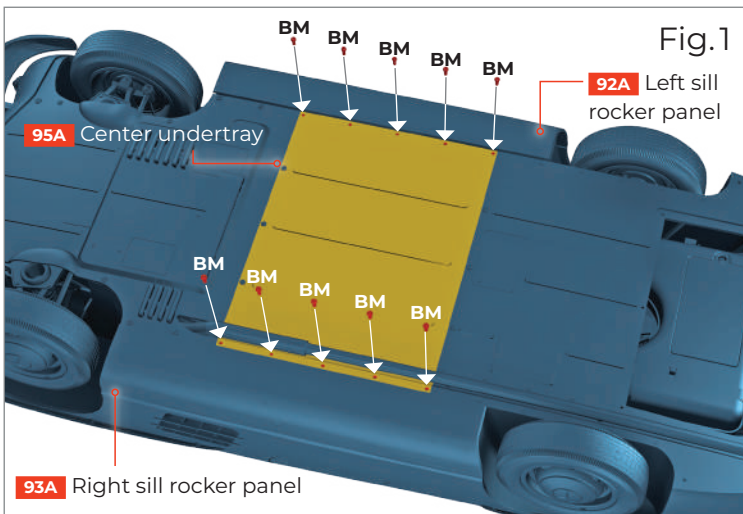
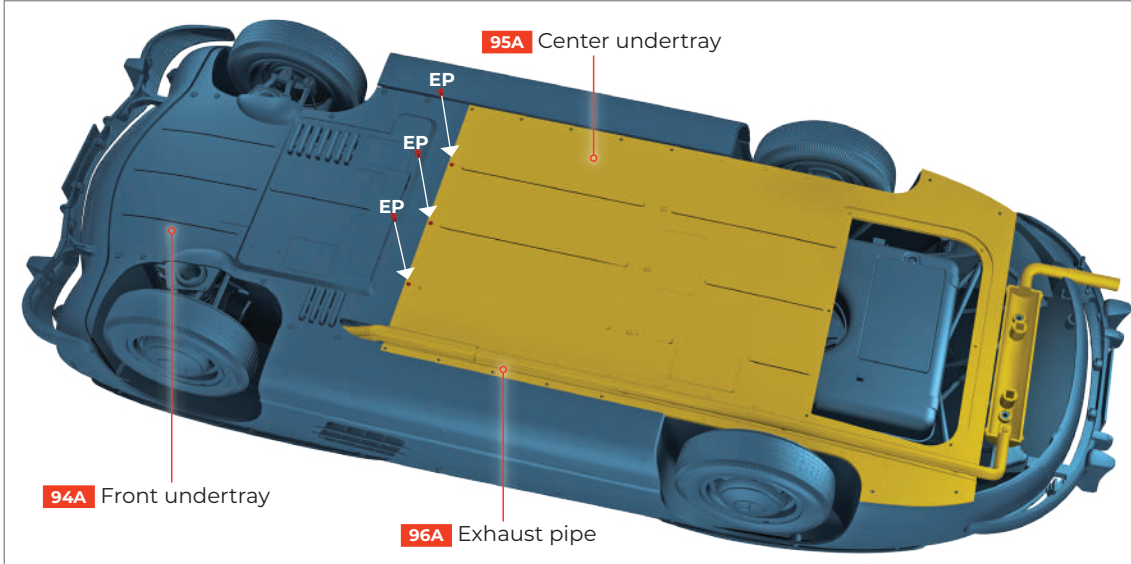


Fig.1



## 04 FITTING THE UNDERTRAYS TO THE UNDERSIDE OF THE CAR

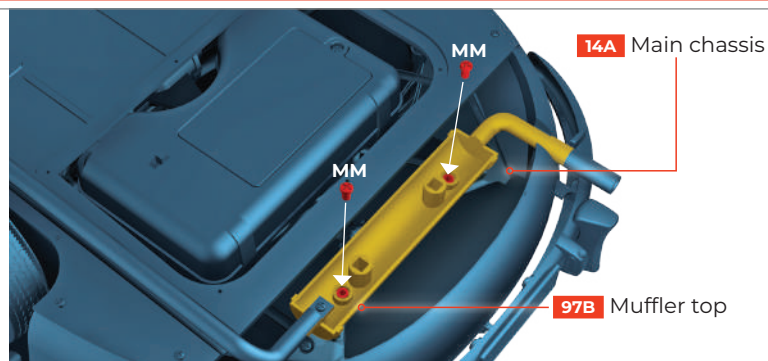
Fit the assembled undertrays to the underside of the car, as shown. The front end of the exhaust pipe **96A** must slot beneath the cutout in the front undertray **94A**. Fix the center undertray **95A** to the front undertray **94A** with three **EP** screws. Screw the center undertray **95A** to the left sill rocker panel **92A** with five **BM** screws, and to the right sill rocker panel **93A** with five more **BM** screws (figure 1). Screw the rear undertray section **97A** to the main body shell **56A** with four **BM** screws (figure 2).



Lay the model on a soft cloth to protect the paintwork.

## 05 FITTING THE MUFFLER TO THE MAIN CHASSIS

Fix the muffler top **97B** to the two posts on the underside of the main chassis **14A** in the position shown. Fix it in place with two **MM** screws.



## ■ STAGE 98: THE BATTERY BOX (FUEL TANK) COVER

Fit the battery box cover to the rear undertray. In your model, the battery box occupies the place of the fuel tank.



### STAGE 98 - REQUIRED PARTS

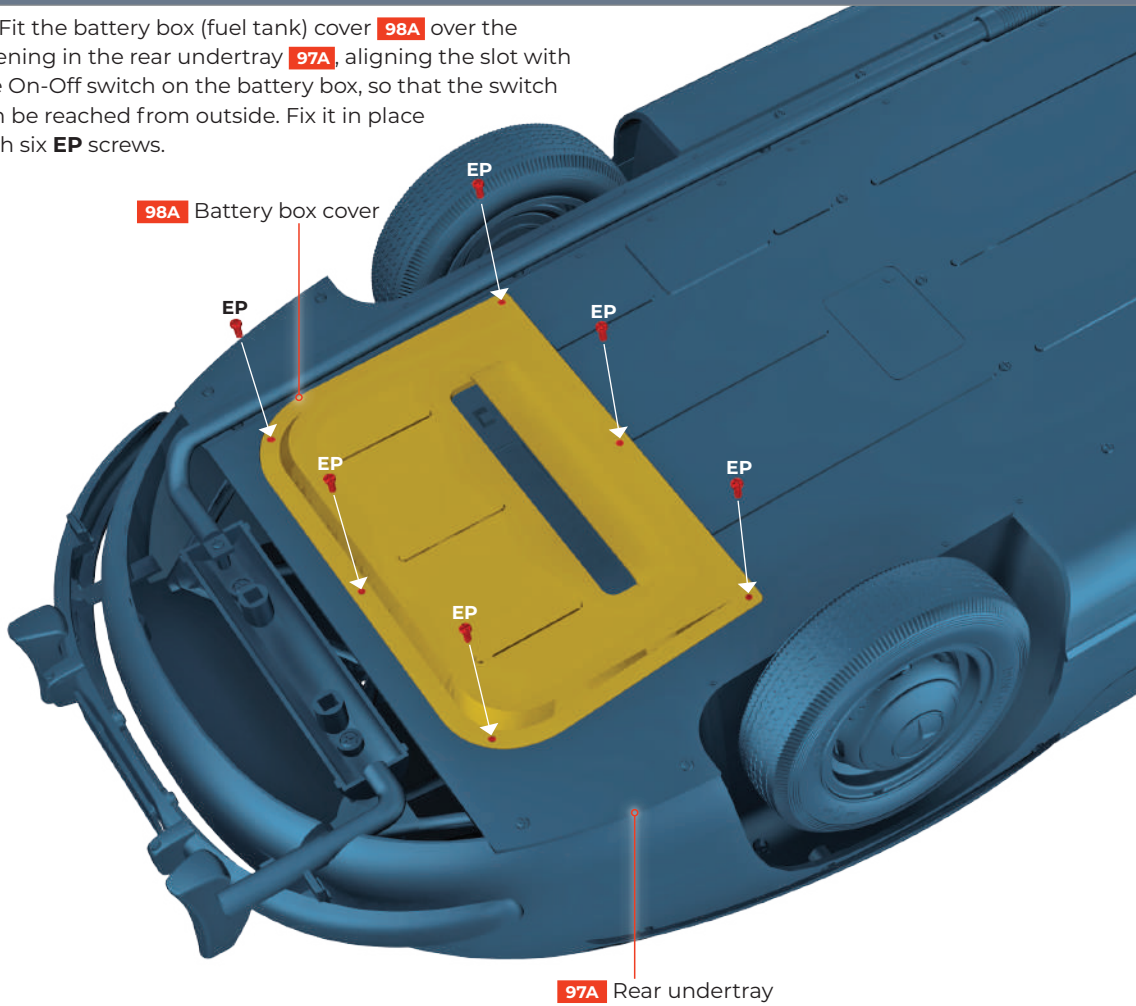
| Code | Name                          | Quantity | Material |
|------|-------------------------------|----------|----------|
| 98A  | Battery box (fuel tank) cover | 1        | ABS      |
| EP   | Screws 1.7 x 4mm              | 6 + 2*   | Iron     |

\* Replacement screws included

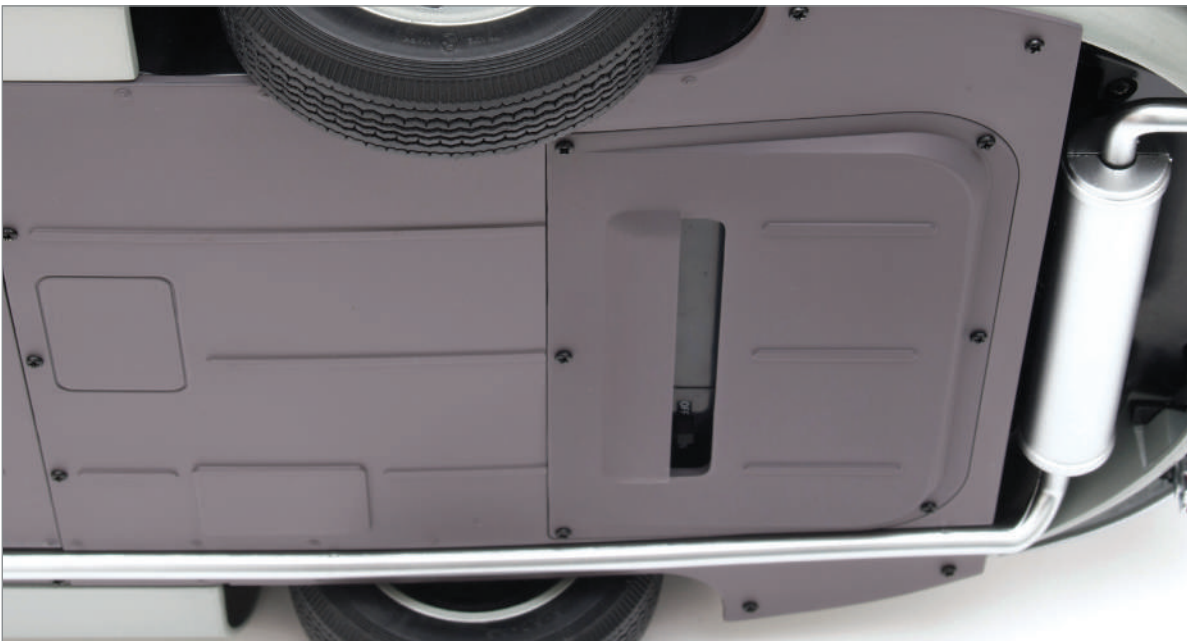


## 01 FITTING THE BATTERY BOX (FUEL TANK) COVER

Fit the battery box (fuel tank) cover **98A** over the opening in the rear undertray **97A**, aligning the slot with the On-Off switch on the battery box, so that the switch can be reached from outside. Fix it in place with six **EP** screws.



Lay the model on a soft cloth to protect the paintwork.



## STAGE 99: THE MUFFLER

Fit the bottom half of the muffler and the tailpipe trim.



| Code | Name           | Quantity | Material |
|------|----------------|----------|----------|
| 99A  | Muffler bottom | 1        | ABS      |
| 99B  | Tailpipe trim  | 1        | ABS      |



99A

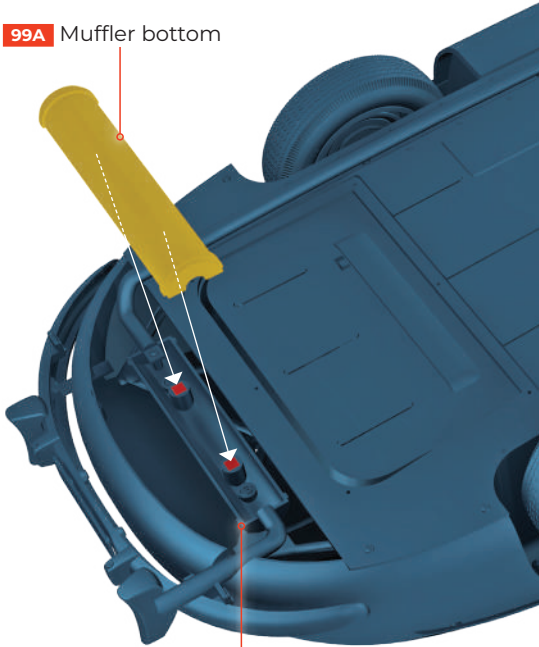


99B

## 01 FITTING THE MUFFLER

Push the two posts on the inside of the muffler bottom **99A** firmly into the sockets on the muffler top **97B**.

**99A** Muffler bottom



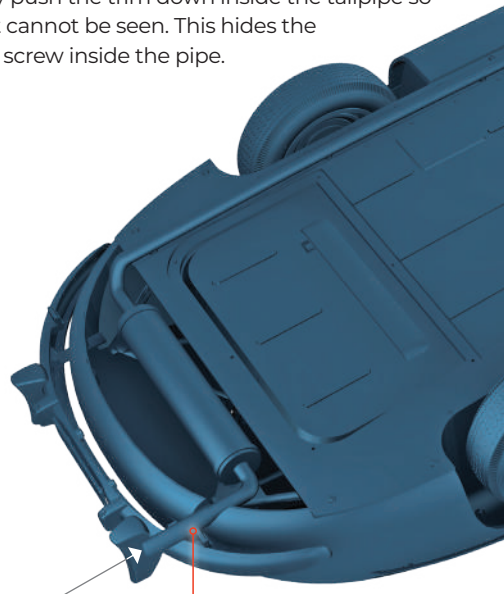
**97B** Muffler top

## 02 FITTING THE EXHAUST TAILPIPE TRIM

Push the narrowest end of the exhaust tailpipe trim **99B** into the end of the exhaust tailpipe **97C**. Using the tips of tweezers or a small screwdriver, gently push the trim down inside the tailpipe so that it cannot be seen. This hides the fixing screw inside the pipe.

**99B** Tailpipe trim

**97C** Exhaust tailpipe

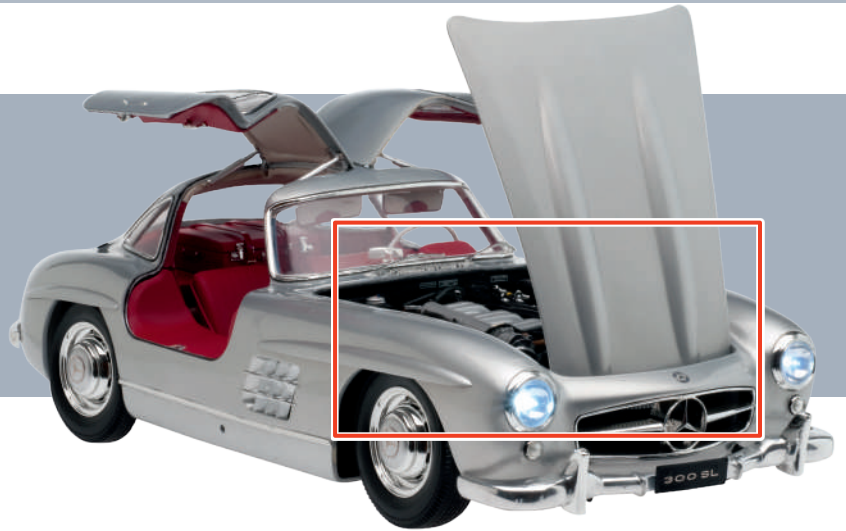


In the next stage you will complete the construction of your model.



## STAGE 100: THE SUPERCHARGER

Fit the supercharger air compressor and air duct into the engine bay. Then, display your model on its optional support blocks.



### STAGE 100 - REQUIRED PARTS

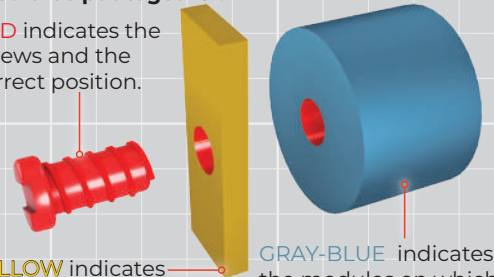
| Code | Name                  | Quantity | Material |
|------|-----------------------|----------|----------|
| 100A | Compressor right half | 1        | ABS      |
| 100B | Compressor left half  | 1        | ABS      |
| 100C | Compressed air duct   | 1        | ABS      |
| 100D | Support blocks        | 4        | ABS      |
| EP   | Screws 1.7 x 4mm      | 1 + 1*   | Iron     |
| HP   | Screws 2 x 4mm        | 4 + 2*   | Iron     |

\* Replacement screws included

### COLOR CODING

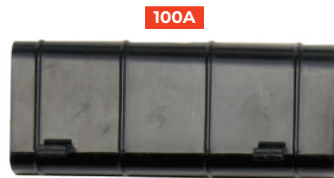
The color coding of the parts shows how they should be put together.

RED indicates the screws and the correct position.



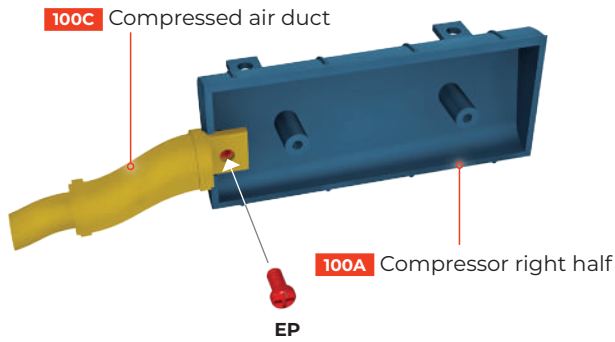
YELLOW indicates new parts.

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



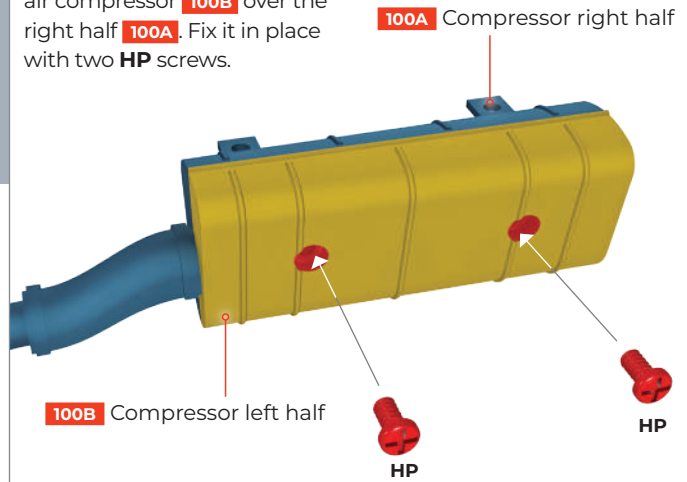
### 01 FITTING THE COMPRESSED AIR DUCT

Fit the tab on the end of the compressed air duct **100C** over the screw post on the inside of the right half of the air compressor **100A**, positioned as shown. Fix it in place with an **EP** screw.



### 02 FITTING THE COMPRESSOR LEFT HALF

Locate the left half of the air compressor **100B** over the right half **100A**. Fix it in place with two **HP** screws.



### 03 INSTALLING THE AIR COMPRESSOR INTO THE ENGINE BAY

Lift the hood of the car **01A**. Fit the compressed air duct **100C** into the socket in the air intake tube **08C**. Then fit the two tabs on the air compressor right side **100A** over the two sockets on the front right engine bay liner **87A**. Fix it in place with two **HP** screws (figure 1).

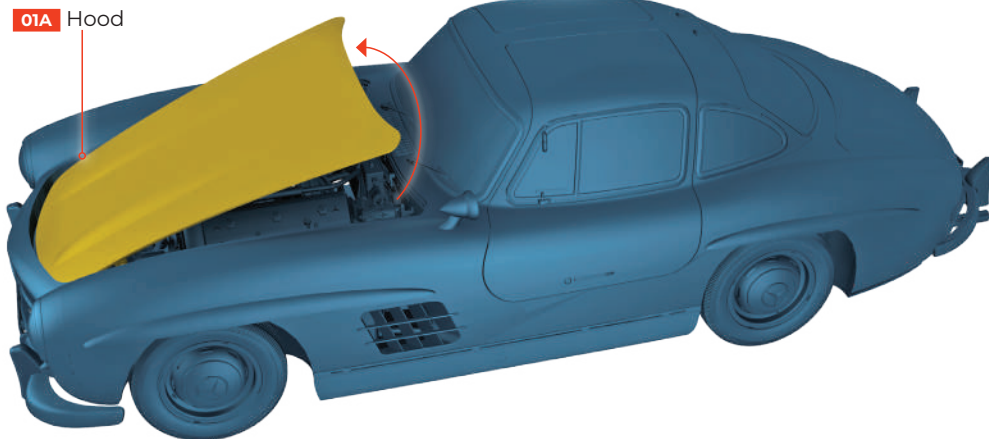
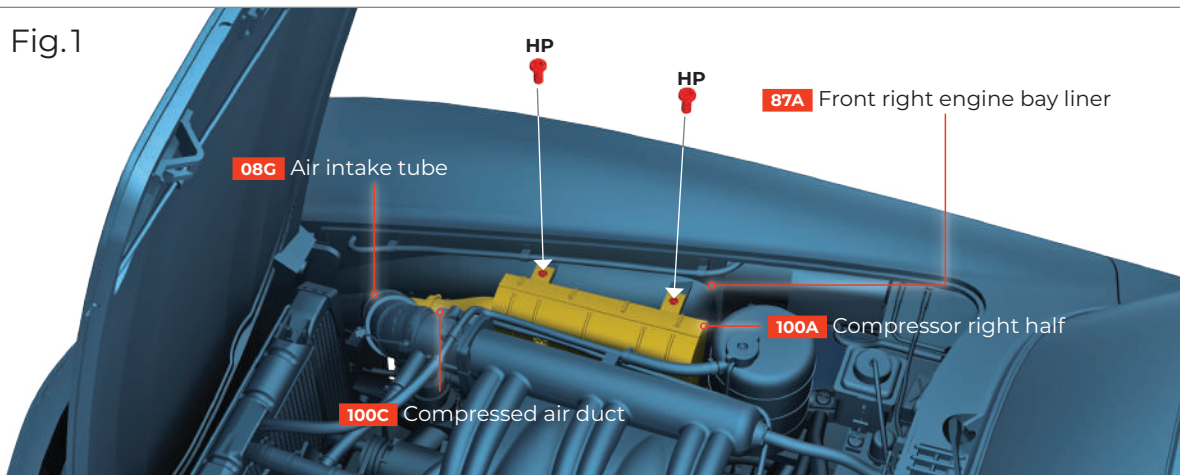


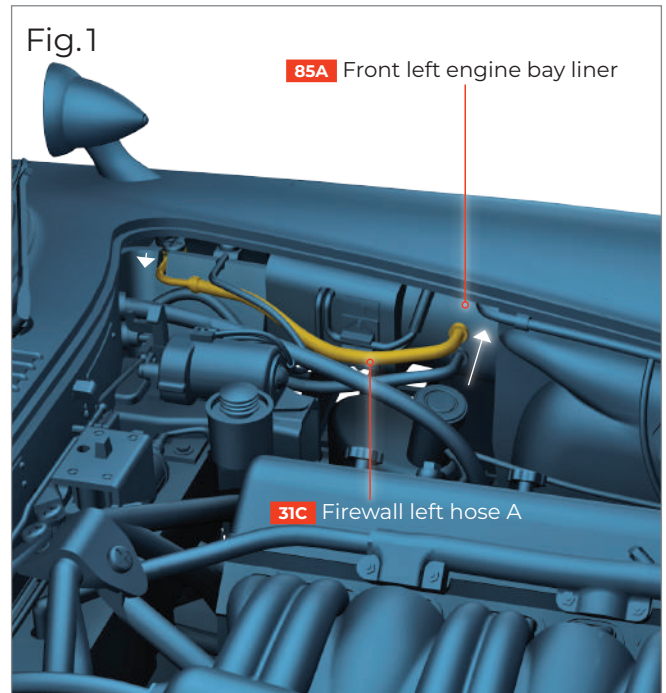
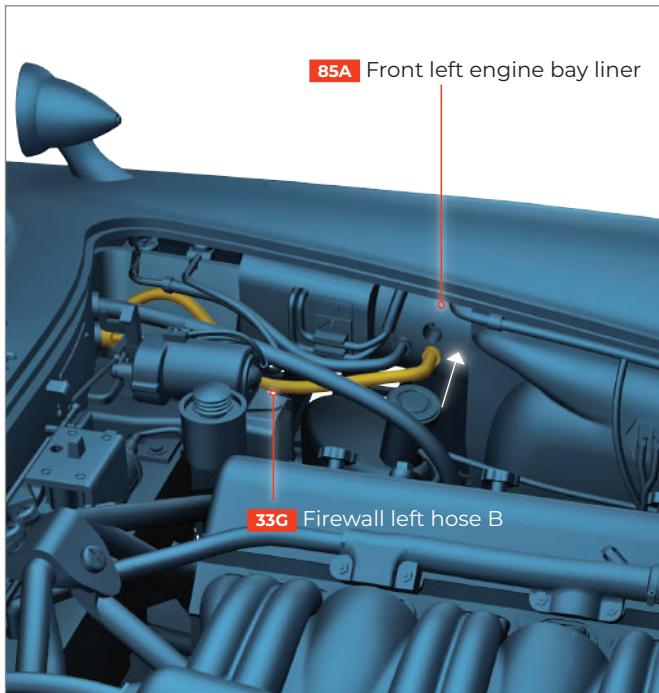
Fig.1





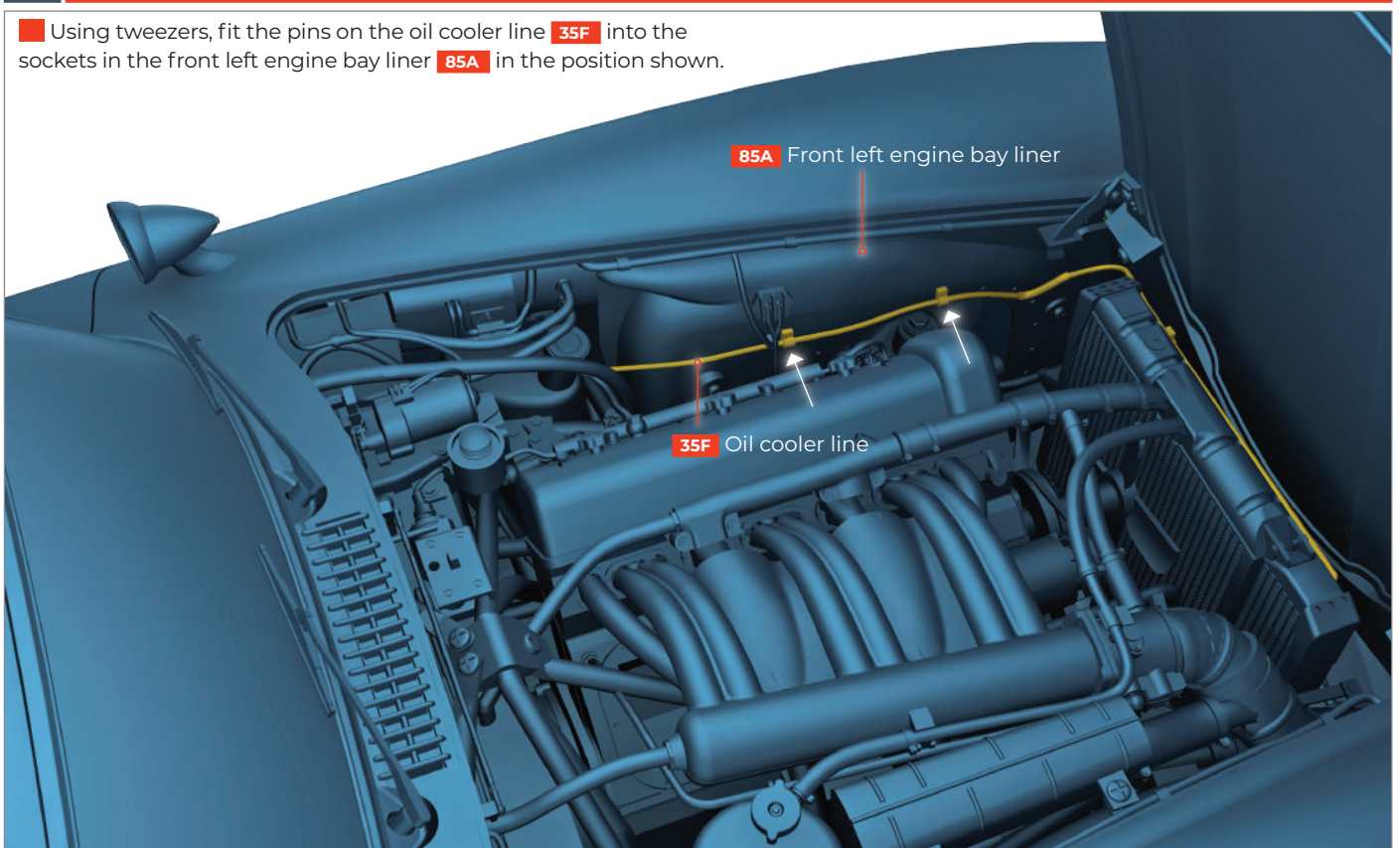
**04 FITTING THE FIREWALL LEFT HOSE**

Fit the free end of the firewall left hose B **33G** into the lower socket in the front left engine bay liner **85A**. Then fit the second firewall left hose A **31C** into the upper socket in the front left engine bay liner **85A** (figure 1).



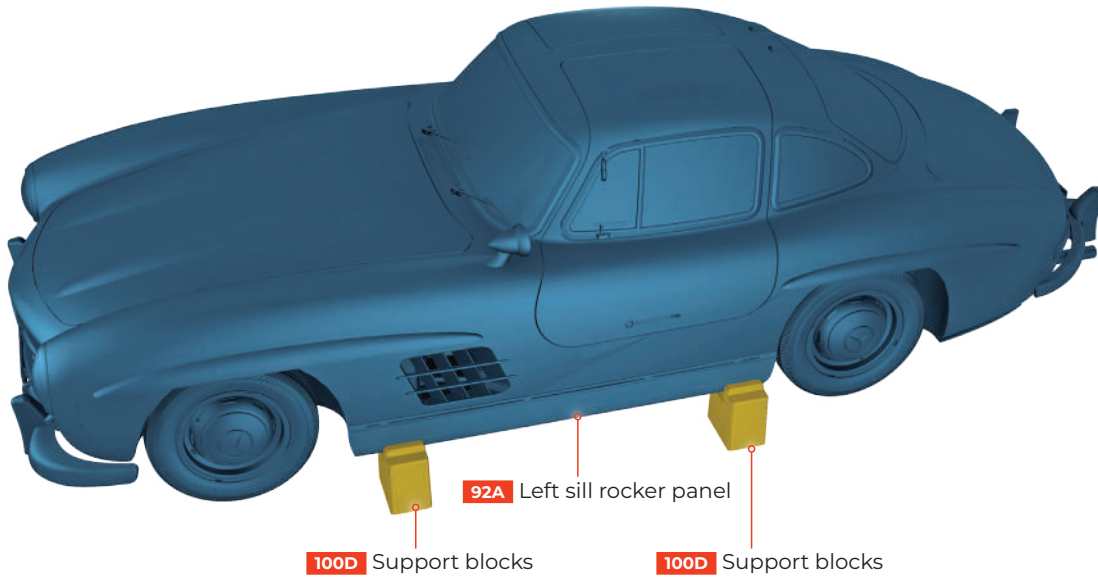
**05 INSTALLING THE OIL COOLER LINE**

Using tweezers, fit the pins on the oil cooler line **35F** into the sockets in the front left engine bay liner **85A** in the position shown.



## 06 THE SUPPORT BLOCKS

To display your model, place the four support blocks **100D** under the sill rocker panels (**92A** and **93A**), close to the wheels, as shown.



Your model is now fully assembled.