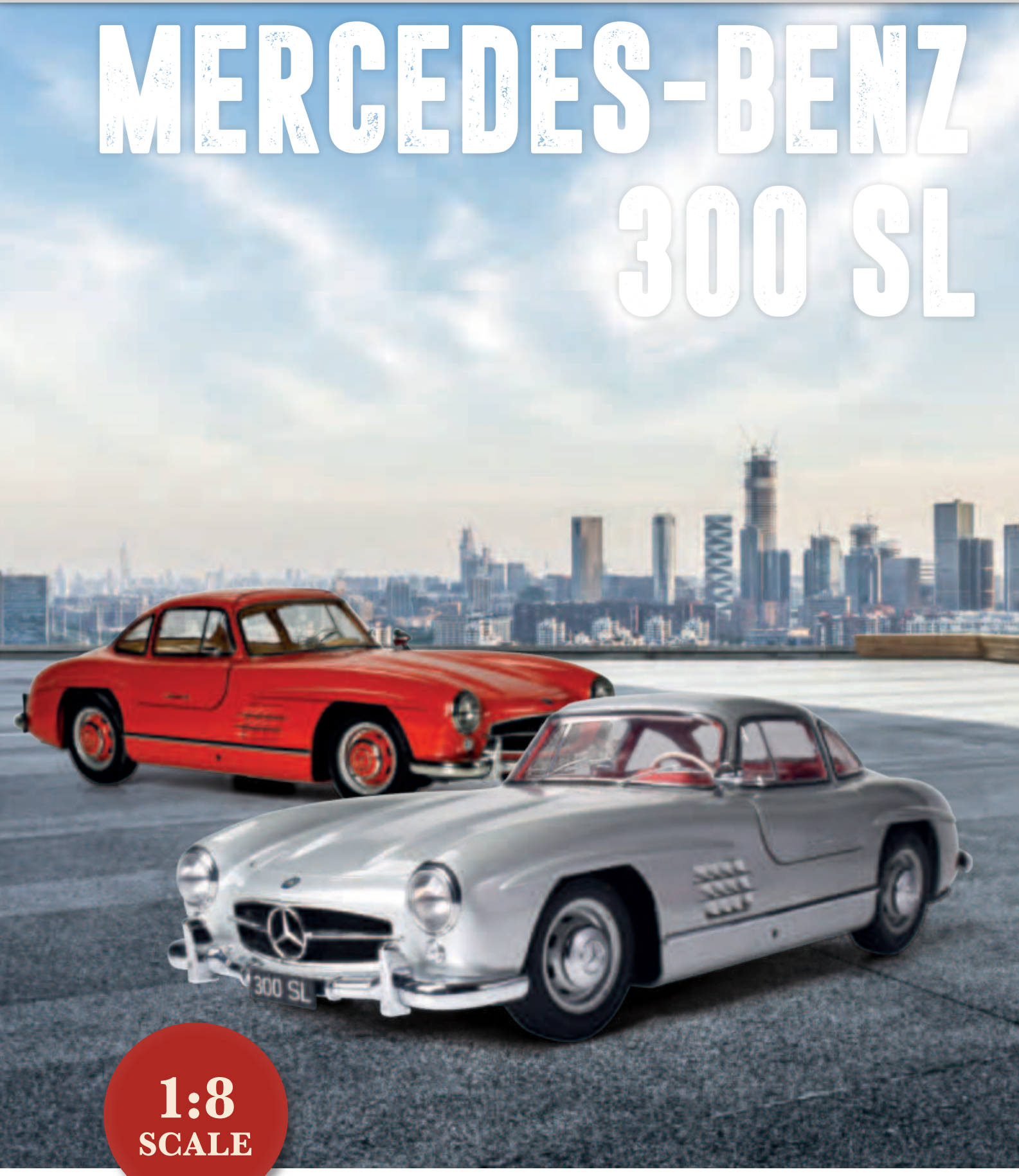
BUILD THE

MERCEDES-BENZ 300 SL



1:8 SCALE

ixo COLLECTIONS

BUILD THE

MERCEDES-BENZ 300 SL

Guide to the instructions

This set of step-by-step instructions will enable you to complete the build of your **1:8-scale Mercedes-Benz 300 SL**. The only tool you will need is a screwdriver. Most of the steps involve simply screwing or fitting parts together, and the correct screws needed for each step are clearly labelled on the instructional images.

This instruction set is valid for both Mercedes-Benz 300 SL scale model kits – silver body and red body. The only differences between these two kits are in the appearance of some parts of the scale models.

Please note the following:

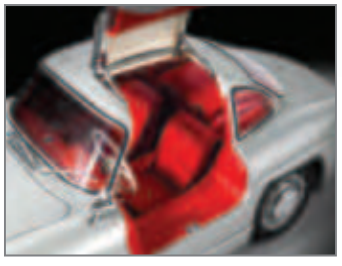
- Where left and right elements of the same part are supplied, these are listed as (left) and (right).
- You will not be using every part you receive in your shipment in that build section. Keep any parts that are not used aside for use in a later sequence.
- You will receive extra screws with each shipment in case any screws are lost or broken.
- Screws with codes ending in the letter M drive into metal; those ending in the letter P drive into plastic.
- With M screws, first drive the screw in half-way. Then unscrew it to release the shavings created as the screw cuts its thread. Finally, drive the screw fully into the socket.
  M screws should be tightened so the head makes firm contact with the fixing surface.
- With P screws, do not over-tighten them as they can damage the socket.
- When working with the pre-finished exterior surfaces of the model, work on a soft cloth. This will protect against scratching the paintwork.
- When plugging wires in, ensure the power is switched off.
- Tweezers can be used to fit the PVC cables. In this case, grip carefully around 5mm from the end of the cable. If the end of the cable is too narrow to fit on to the pin, cautiously insert a cocktail stick, being wary not to split the cable.
- Some smaller plastic parts are attached to sprues. You can remove these by hand, or by careful use of a cutting implement such as a scalpel.

Customer service: contact@ixo-collections.fr

Packaged by: Milanoedit srl, www.milanoedit.com

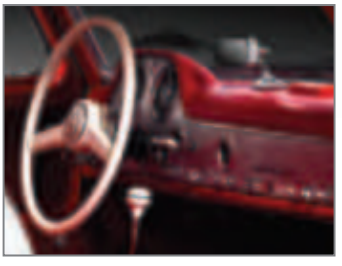
THE MERCEDES-BENZ 300 SL

With its supersleek lines, swooping gullwing design, and understated elegance, the 300 SL turned heads at its international launch in 1954. Now you can create your own authentic replica of this world-class supercar, starting with its iconic front grille and hood, and left front wheel.



TOP-HINGED GULLWINGS

OPENING HOOD



DETAILED DASHBOARD

TURNING FRONT WHEELS

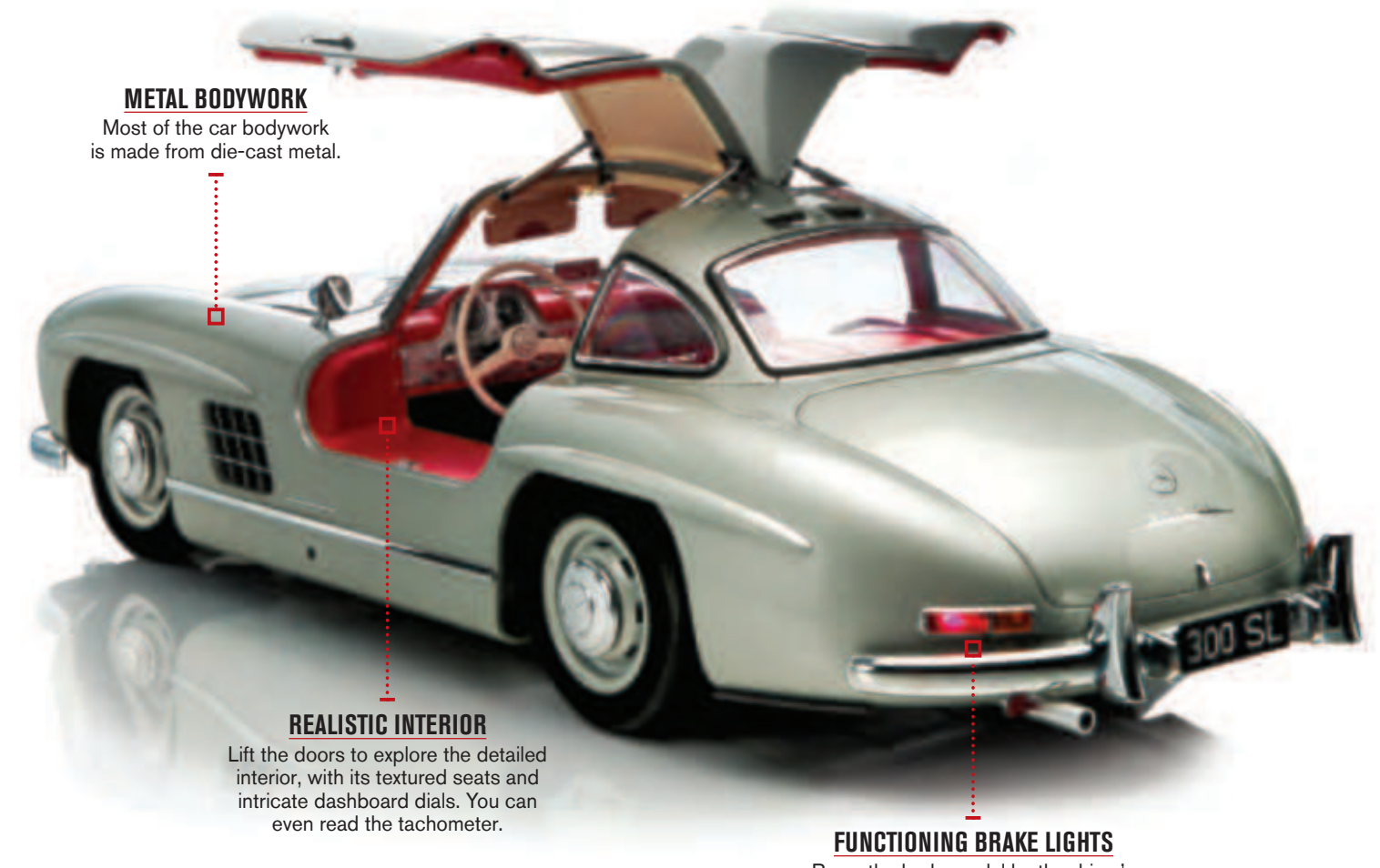
A FAITHFUL **REPLICA**

TRUE TO THE ORIGINAL

Using the latest laser technology, every element of your 1:8 die-cast model has been meticulously matched to an original 1955 300 SL coupé. From the spectacular gullwing doors to the smallest speedometer, each feature has been precisely engineered. Check your model from every angle, and you'll be amazed by the wealth of realistic details. Lift the hood to inspect the intricate, inline engine; toggle the steering wheel to read the detailed dashboard dials; and open the deluxe suitcase to see the print inside...

GULLWING DOORS
The wing-like doors swing upwards at the lightest touch.

TURNING FRONT WHEELS
To turn the front wheels left and right, lightly toggle the steering wheel.



METAL BODYWORK
Most of the car bodywork is made from die-cast metal.

REALISTIC INTERIOR
Lift the doors to explore the detailed interior, with its textured seats and intricate dashboard dials. You can even read the tachometer.

FUNCTIONING BRAKE LIGHTS
Press the brake pedal by the driver's seat to switch the brake lights on.

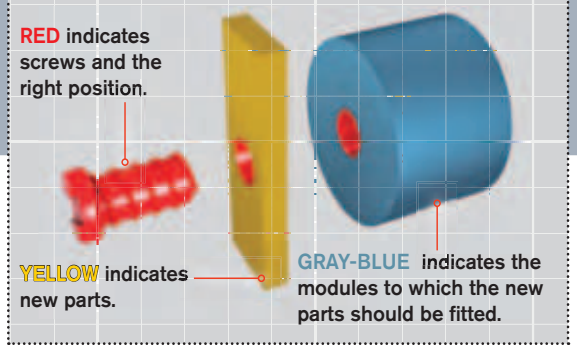
WORKING LIGHTS
Switch on the headlights from an easy-to-reach button on the dashboard.

A LEGENDARY SPORTS CAR

When it was launched in 1954, the 300 SL production model caused a sensation: as expensive as a luxury yacht, it was elegant and fast, with a top speed in excess of 155mph (250km/h). Then in 1952–3 the car's predecessor (also called 300 SL) obtained spectacular triumphs on race circuits around the world. The perfect combination of innovative design and impressive performance immediately attracted the attention of famous personalities. Among the buyers were such well-known names as Pablo Picasso, Sophia Loren, Clark Gable, and Steve McQueen. Often imitated but never surpassed, the 300 SL constitutes one of the most valued pieces in the collection of its proud owners. At auctions, its price in dollars quickly reaches six figures.

COLOR CODING

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



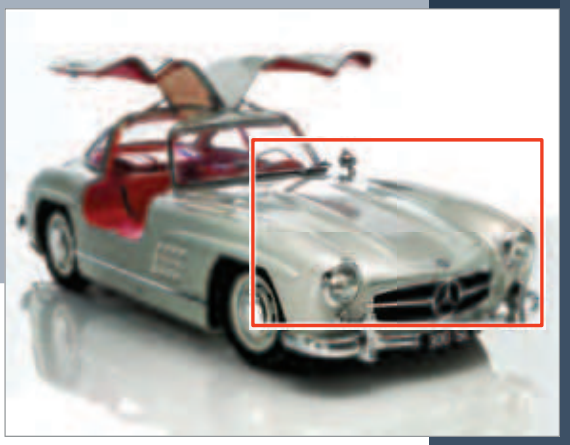
Start building the model by assembling the radiator grille and preparing the hood for assembly.

PHASE 1 – REQUIRED PARTS

Code	Name	Quantity	Material
01A	Engine hood	1	Zinc
01B	Radiator grille	1	ABS
01C	Grille mesh	1	Photo-etched
01D	Support rod	1	Iron
AP	Screws 1.5 x 3mm	7+3*	Iron

* Replacement screws included

01 POSITIONING THE SUPPORT ROD



Slide the support rod 01D through one of the holes on the edge of the hood 01A; then gently push it through both rings in the middle zone (fig. 1) until it reaches the hole on the opposite side (fig. 2).

Fig.1

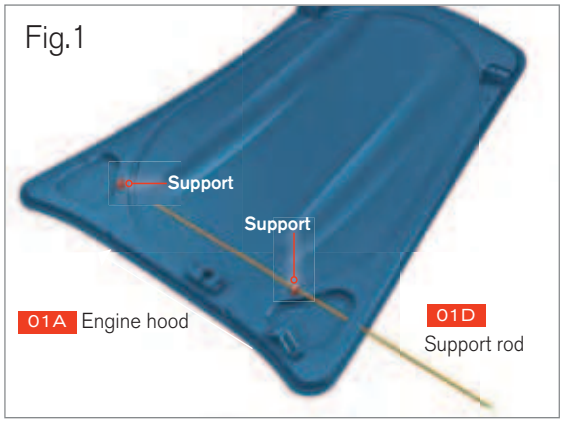


Fig.2

To avoid damage during assembly, place all painted parts on a soft cloth or an assembly mat.

02 ASSEMBLY OF THE RADIATOR GRILLE

Lay the mesh 01C on the inside of the radiator grille 01B so that the holes of both pieces match. Fix the mesh to the grill with seven **AP** screws (fig. 1). Attention: leave the two holes at the ends free.

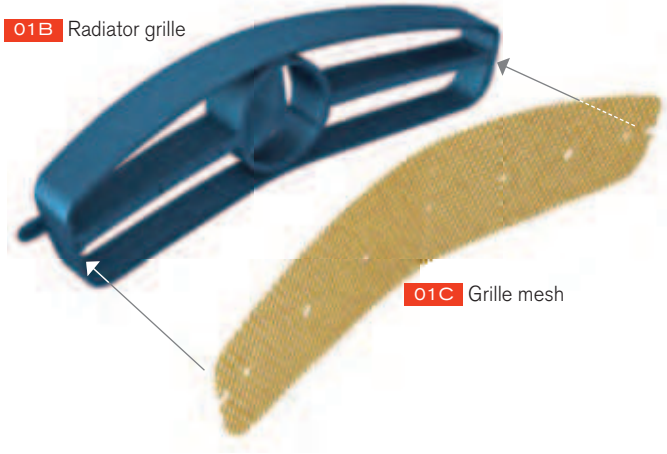
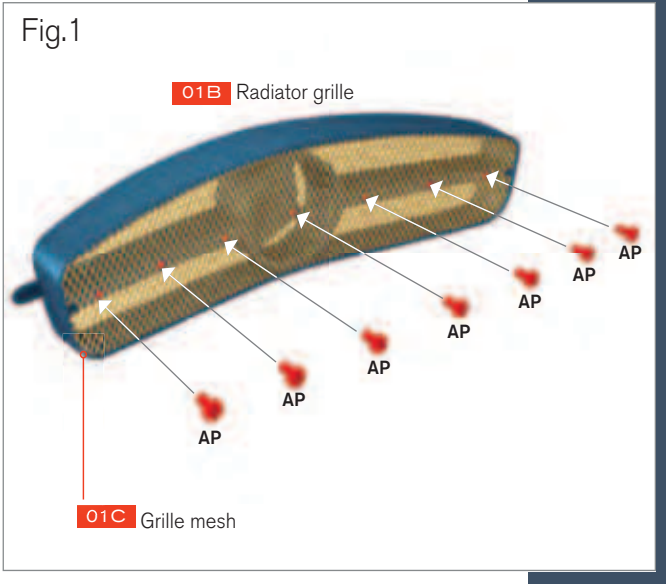


Fig.1



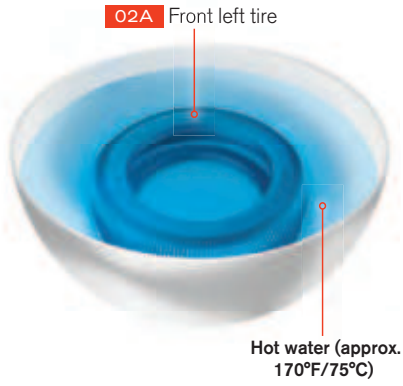
In this phase, you will fit the tire onto the rim of the front left wheel and its brake drum.

PHASE 2 – REQUIRED PARTS

Code	Name	Quantity	Material
02A	Front left tire	1	PVC
02B	Front left rim	1	Zinc
02C	Brake drum	1	ABS
02D	Support plate and brake lines	1	ABS and PVC
02E	Hubcap	1	ABS
MM	Screws 2.3 x 4mm	2+1*	Iron
	Screwdriver	1	

* Replacement screws included.

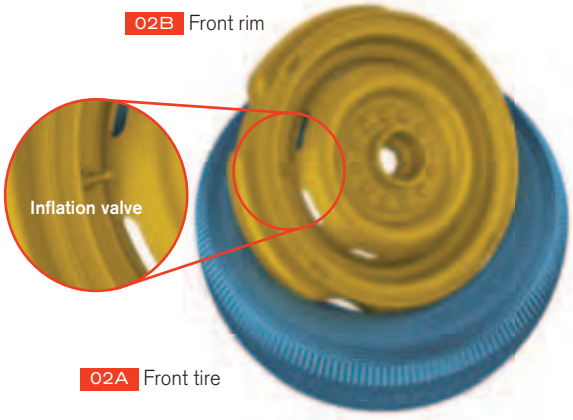
01 PREPARING THE TIRE



The front left tire 02A is difficult to bend at room temperature, and it is hard to press onto the rim. We recommend placing it in a container with hot water (approx. 170°F/75°C) for a few minutes. When warm, it will soften for an easy fit.

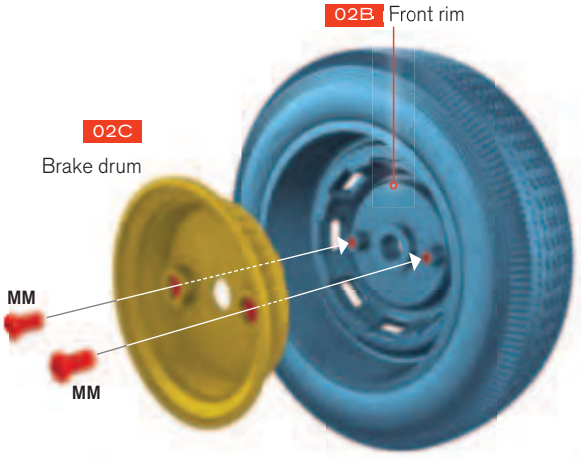
02 FITTING THE TIRE

Place the rim 02B inside the tire 02A as shown in the picture and carefully press the sides to adjust it onto the edge of the rim so that it is evenly distributed.
Attention: while fitting the tire be careful with the inflation valve as it is very fragile.



03 ASSEMBLING THE BRAKE DRUM

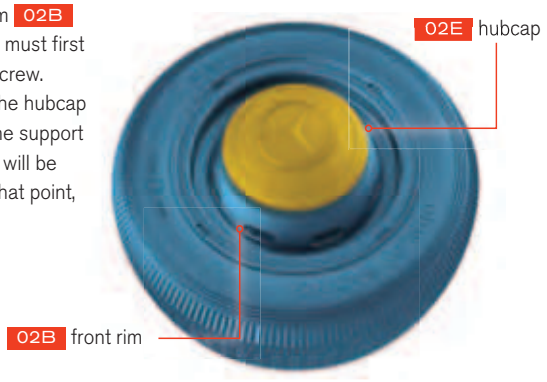
Place the brake drum 02C on the inside face of the rim 02B as shown bellow. To fix it in place, use two **MM** screws.



Attention: Hot water may cause burns! Do not remove the tire from the water with your fingers.

04 HUBCAP, SUPPORT PLATE AND BRAKE LINES

The 02E hubcap will be placed in the center of the left front rim 02B at a later stage since the rim must first be fixed to the shaft with a screw. This illustration shows how the hubcap will fit on the rim. Later on, the support plate and brake lines 02D will be assembled. Until you reach that point, keep both pieces safe.

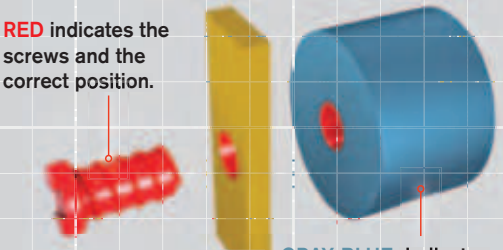


Keep these pieces safe.
They will be assembled at a later stage.

In this phase, you will assemble your 300 SL's dashboard, which includes the fuel and oil pressure gauges, along with the levers and switches for the air conditioning. You'll also place the discs for the speedometer and tachometer, as well as the steering wheel with its column. Look out, also, for the levers for the windshield wipers and turn signals, but just hold them over for now, as they'll be placed later down the line.

COLOR CODING

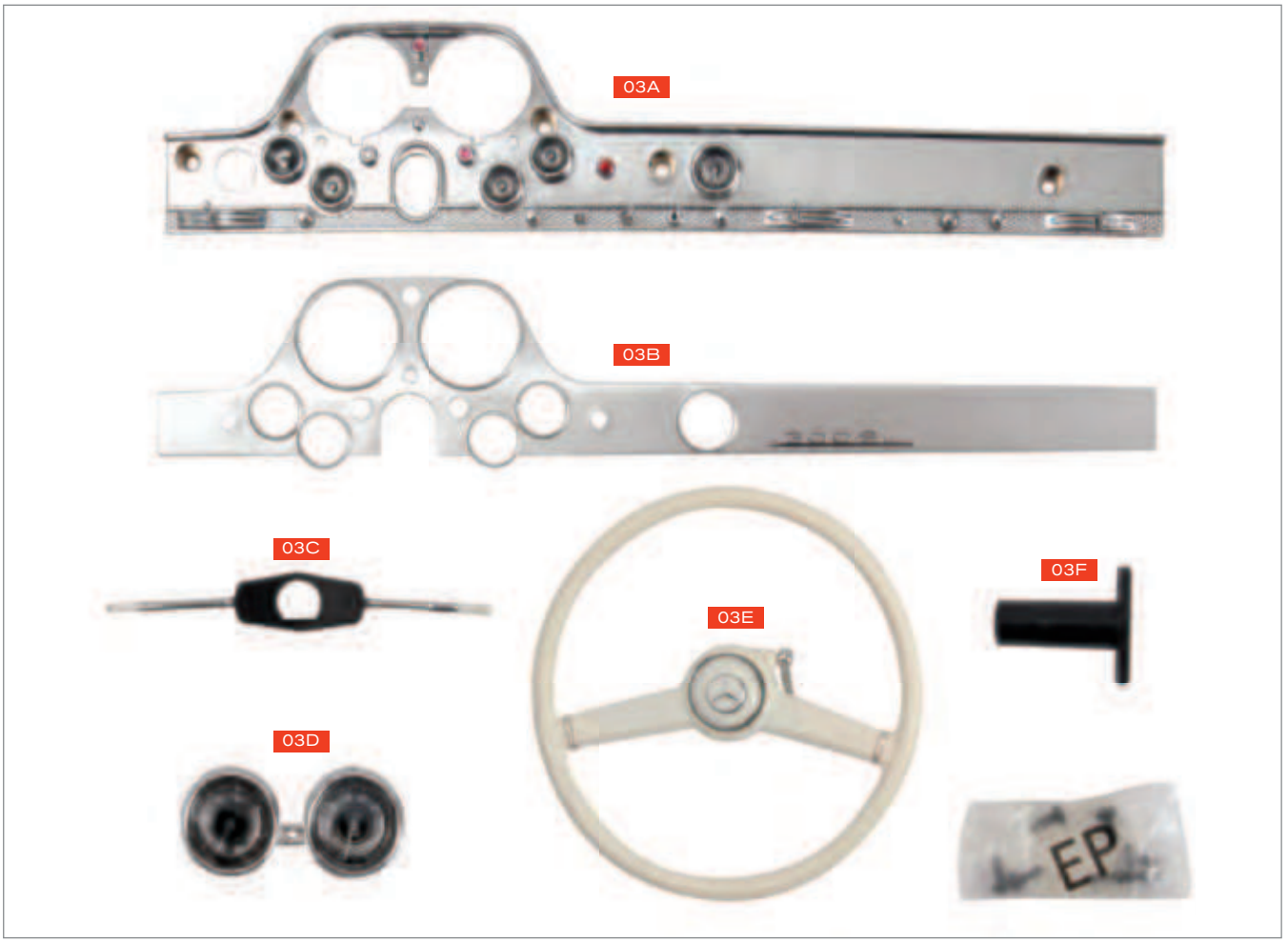
The color coding of the parts shows how they should be put together.



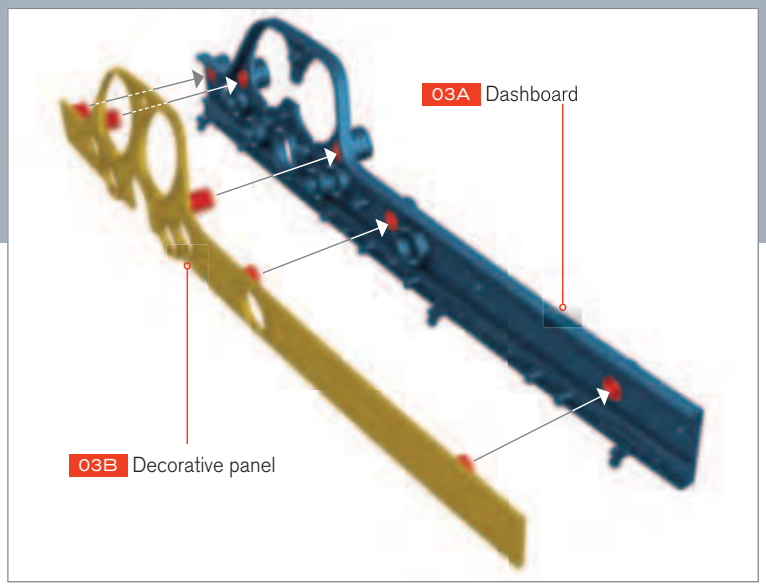
PHASE 3 – REQUIRED PARTS

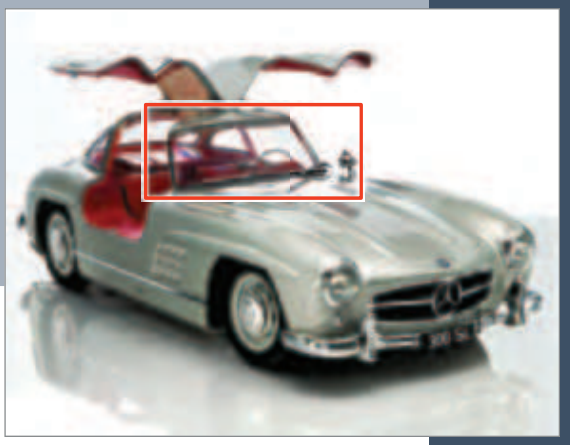
Code	Name	Quantity	Material
03A	Dashboard	1	ABS
03B	Decorative instrument panel	1	ABS
03C	Turn signals and windshield wiper stalks	1	ABS
03D	Speedometer and rev counter	1	ABS
03E	Steering wheel	1	Divers
03F	Steering column	1	ABS
EP	Screws 0.06 x 0.15in (1.7 x 4mm)	5 + 2*	Iron

* Replacement screws included



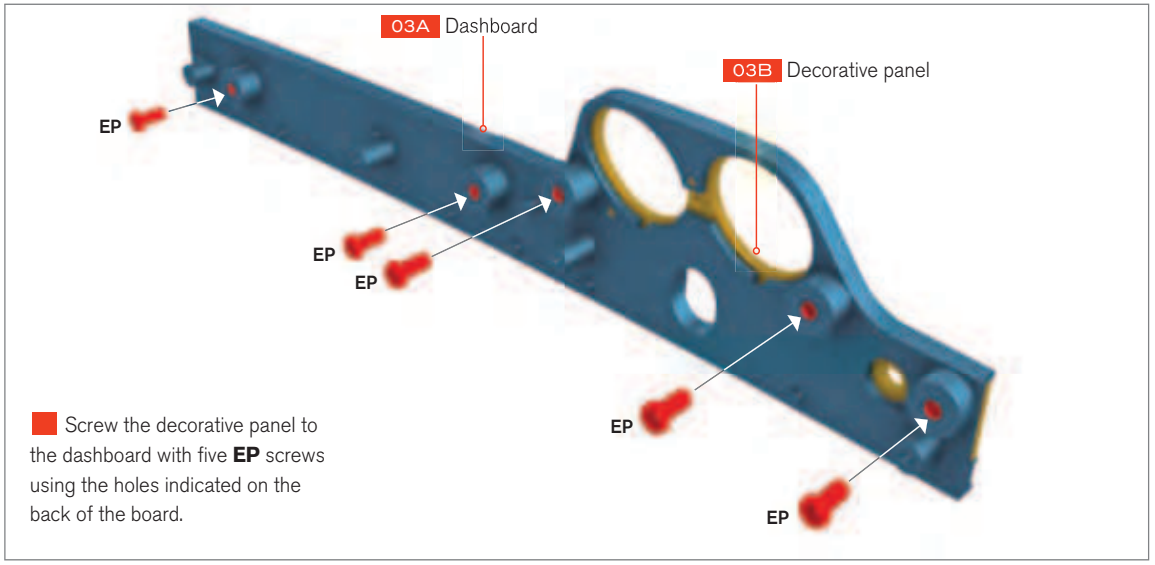
01 ASSEMBLING THE DECORATIVE PANEL PART 1





Place the decorative panel of the dashboard 03B onto the instrument panel 03A, positioning the five trunnions of the panel to match the holes on the dashboard.

02 ASSEMBLING THE DECORATIVE PANEL PART 2



Screw the decorative panel to the dashboard with five **EP** screws using the holes indicated on the back of the board.

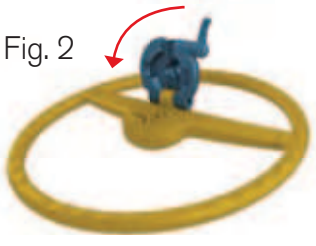
Caution! Tightening screws too much could damage the panel.

The steering wheel is an exact copy of the original, and can also be folded down to facilitate access for the driver when entering and exiting the car.
To unlock the steering wheel, move the lever at the center of the steering wheel upwards (fig. 1). Now the steering wheel can be folded down (fig. 2). To fix it in place again, raise the steering wheel to its normal position and move the lever down.

Caution – this is a fragile mechanism, so handle with care.

Fig. 1

Fig. 2



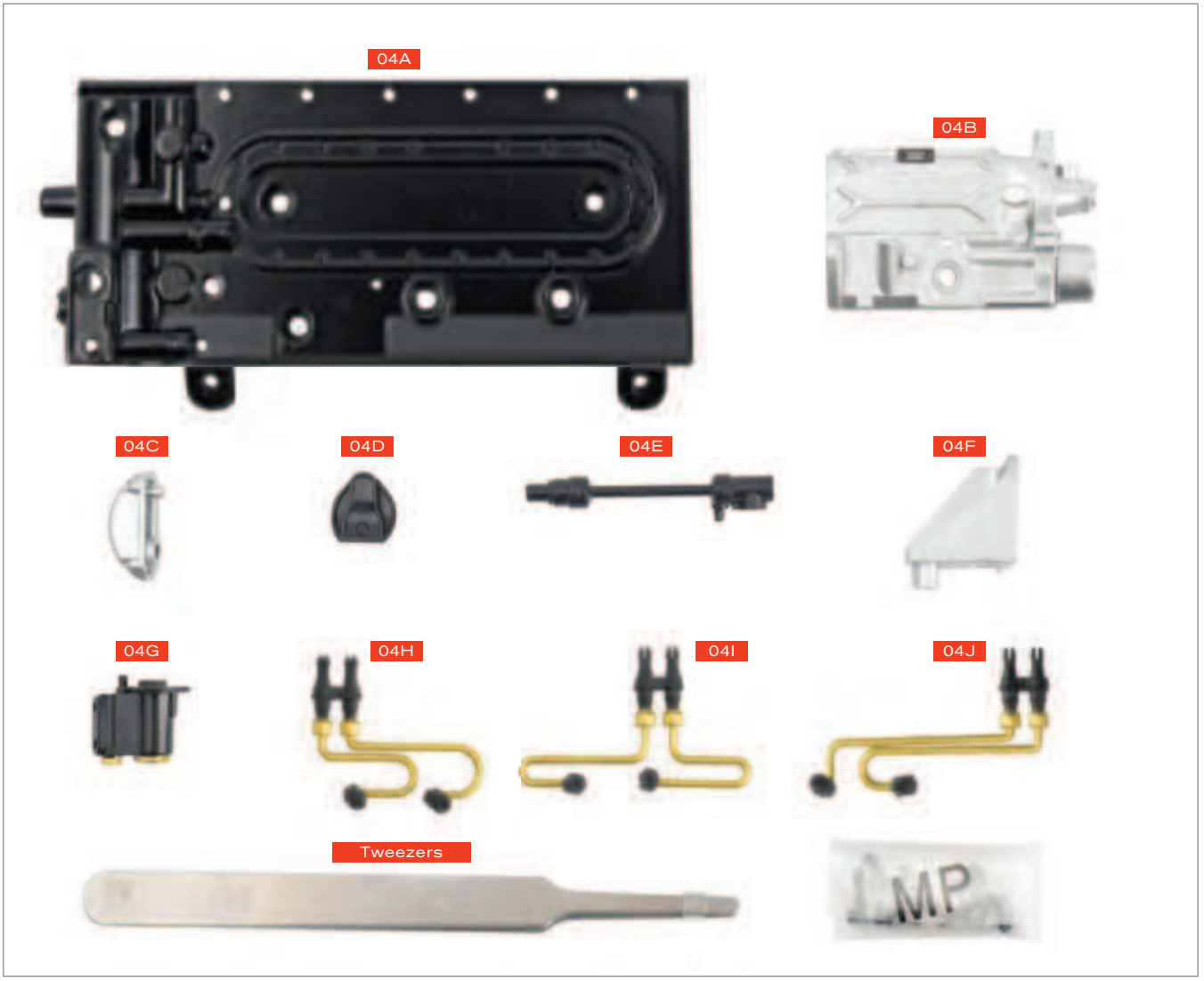
Keep these parts in a safe place.
They will be assembled at a later stage.

In this phase, you will assemble the first parts of the engine, and you will also join the fuel injection pump and the injection pipes to the left block of the engine.

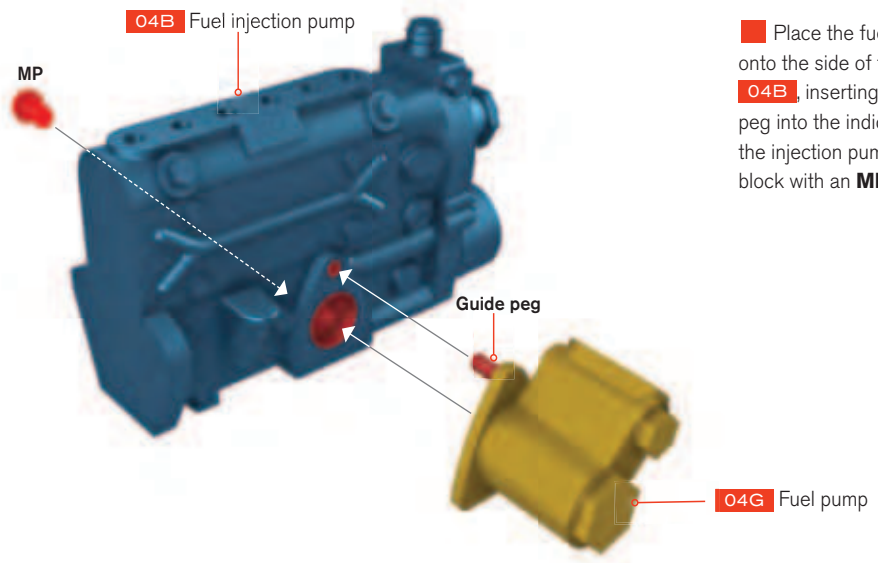
PHASE 4 – REQUIRED PARTS

Code	Name	Quantity	Material
04A	Left engine block	1	Zinc
04B	Fuel injection pump	1	ABS
04C	Flywheel cover	1	ABS
04D	Support	1	ABS
04E	Injection pump linkage	1	ABS
04F	Bearing support	1	ABS
04G	Fuel pump	1	ABS
04H	Injection pipes (cylinders 5 & 6)	1	ABS
04I	Injection pipes (cylinders 3 & 4)	1	ABS
04J	Injection pipes (cylinders 1 & 2)	1	ABS
MP	Screws 0.09 x 0.15in (2.3 x 4mm)	7 + 3*	Iron
–	Tweezers	1	Stainless steel

* Replacement screws included



01 FITTING THE FUEL PUMP



Place the fuel pump 04G onto the side of the injection pump 04B, inserting the small guide peg into the indicated hole. Screw the injection pump to the left engine block with an **MP** screw.

02 FITTING THE FUEL INJECTION PUMP

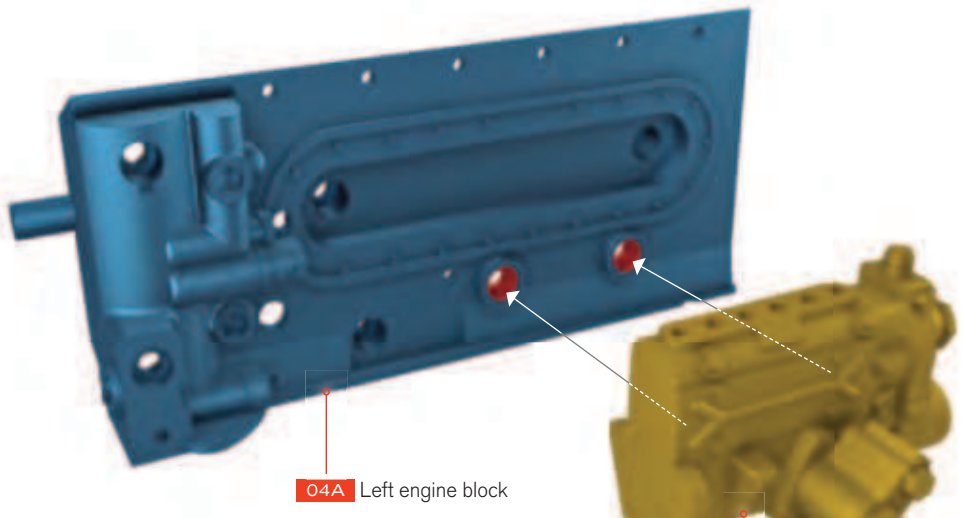
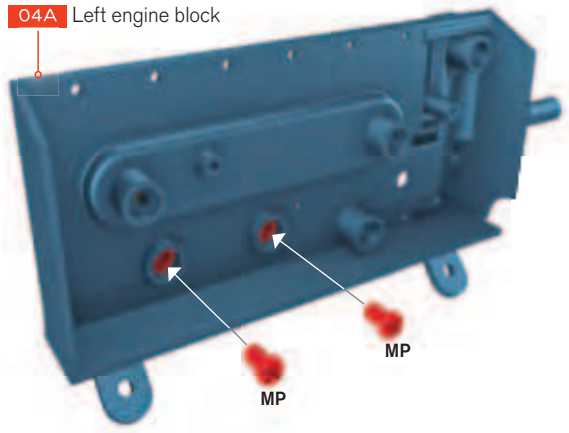


Fig. 1

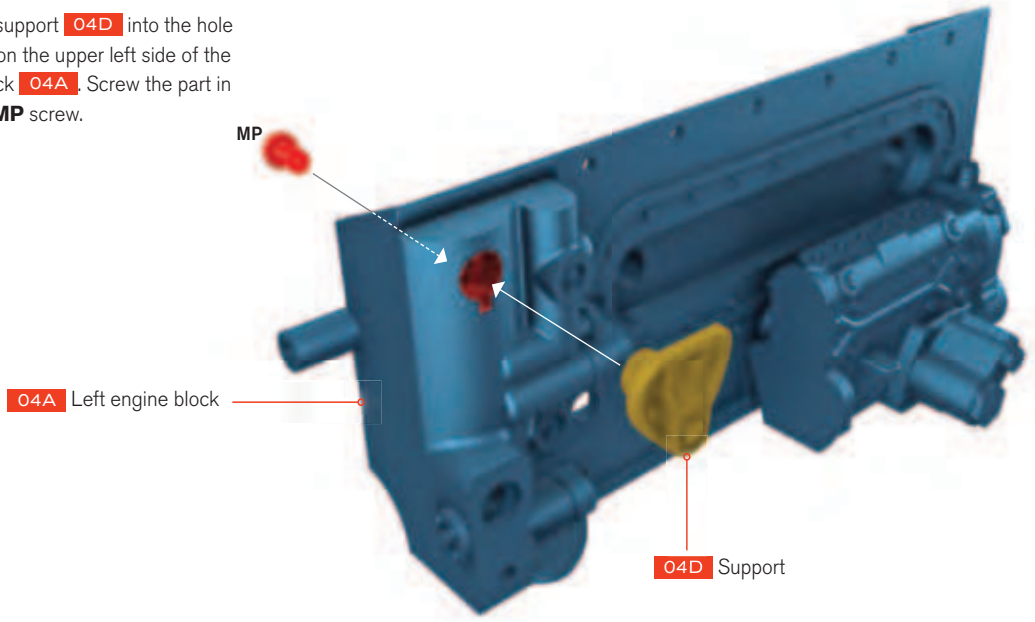


Position the fuel injection pump 04B onto the outside of the left engine block 04A and attach it from the inside with two **MP** screws (fig. 1).

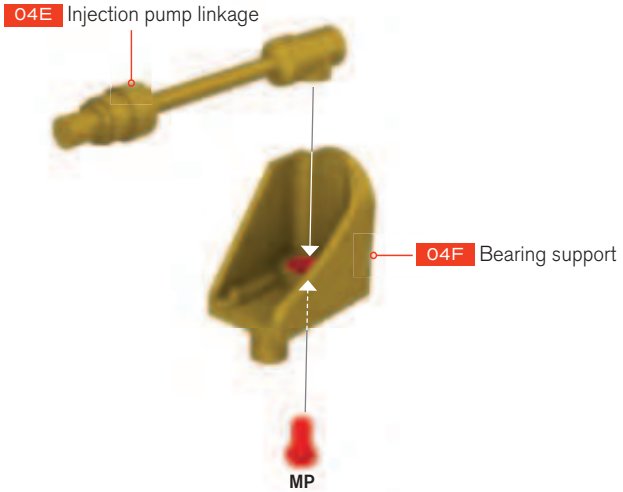
Between the two pieces, there should be a small space.

03 FITTING THE SUPPORT

Insert the support 04D into the hole provided for it on the upper left side of the left engine block 04A. Screw the part in place with an **MP** screw.



04 FITTING THE INJECTION PUMP LINKAGE



Insert the wide end of the injection pump linkage 04E into the center hole of the bearing support 04F and secure it with an **MP** screw. Next, place the bearing support 04F onto the left engine block 04A, as shown in Figure 1. The small pin of the bearing support should be inserted into the small hole in front of the injection pump. The free end of the linkage must be located in a small slot in the front left of the engine block (fig. 1). Fix the bearing support in place from the inside of the block with another **MP** screw (fig. 2).

Fig. 1

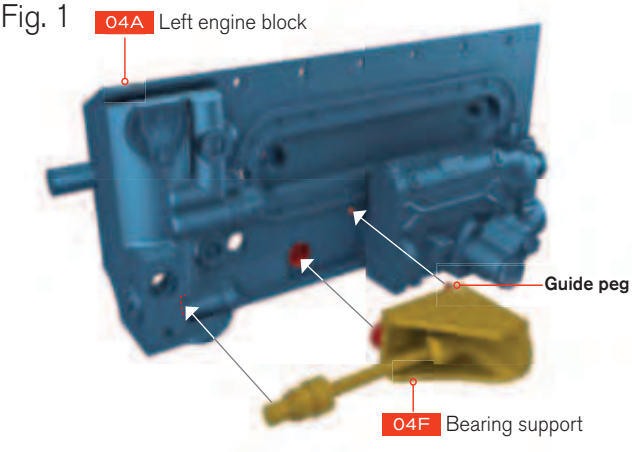
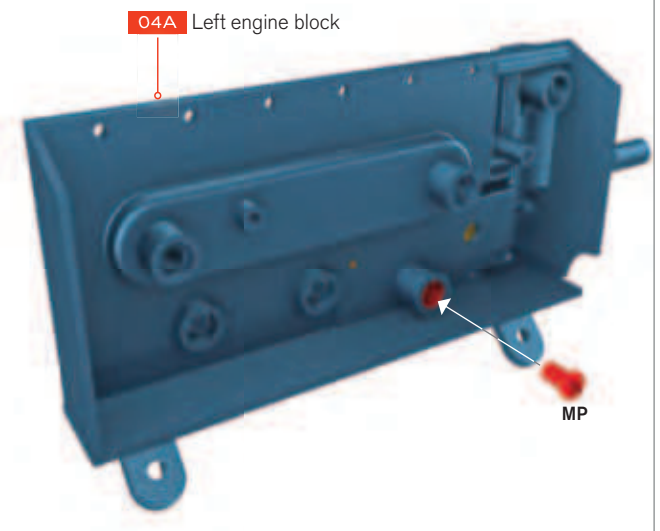
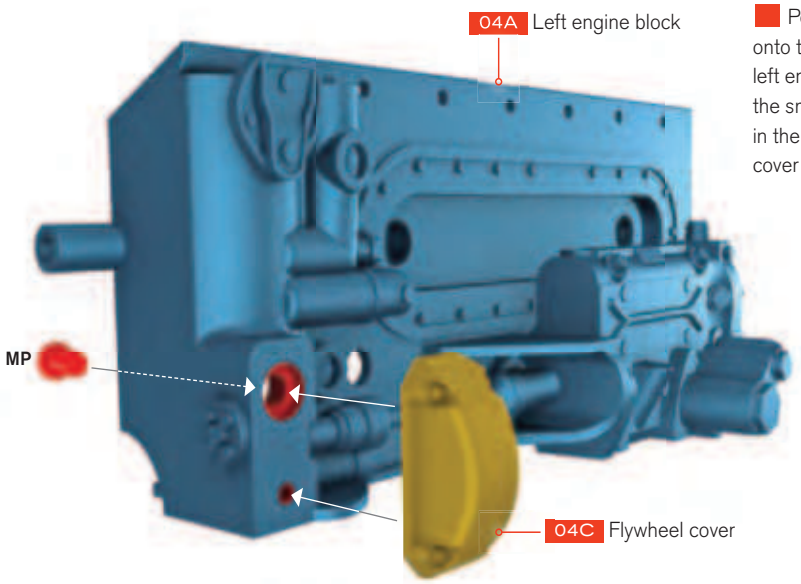


Fig. 2



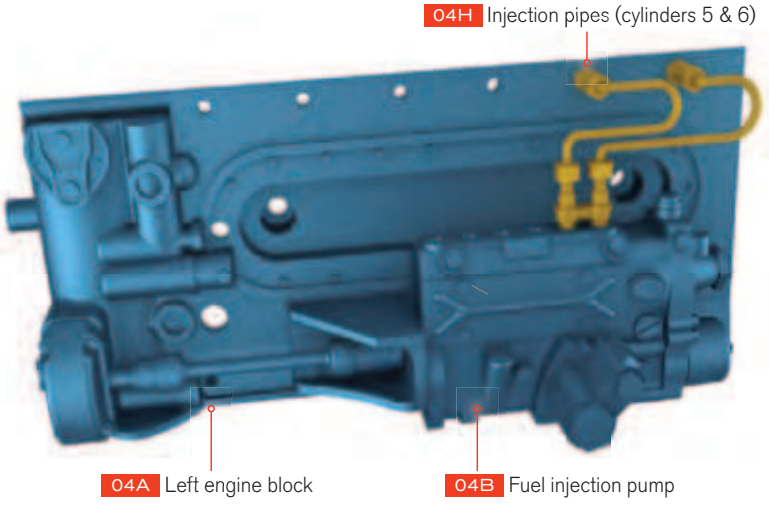
05 FITTING THE FLYWHEEL COVER



Position the flywheel cover 04C onto the base of the front part of the left engine block 04A, making sure the small pin at the bottom is located in the correct hole, as shown. Fix the cover in place with an **MP** screw.

06 CONNECTING THE FUEL INJECTION PIPES

Take the injection pipes 04H and insert the two joined ends into the two rear holes of the upper face of the injection pump 04B. Next, press the two free ends into the indicated holes in the left block of the motor 04A. Repeat this operation to connect the other injection pipes 04I (fig. 1) and 04J (fig. 2), assembling each pair of pipes to the left of the previously connected pair.



Use the tweezers to connect the injection pipes. Every part has a unique shape so it can be inserted only in the hole provided for it.

Fig. 1

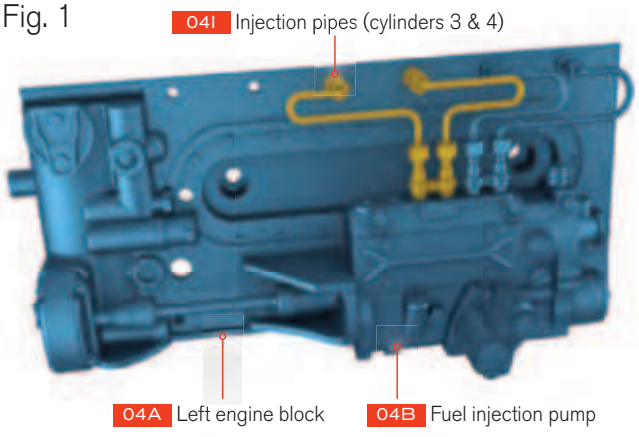
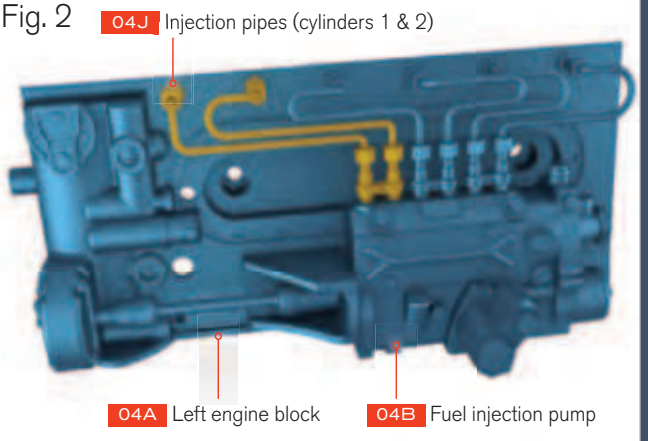


Fig. 2



Now you can assemble the bumper with its two protective overriders, as well as the front license plate.

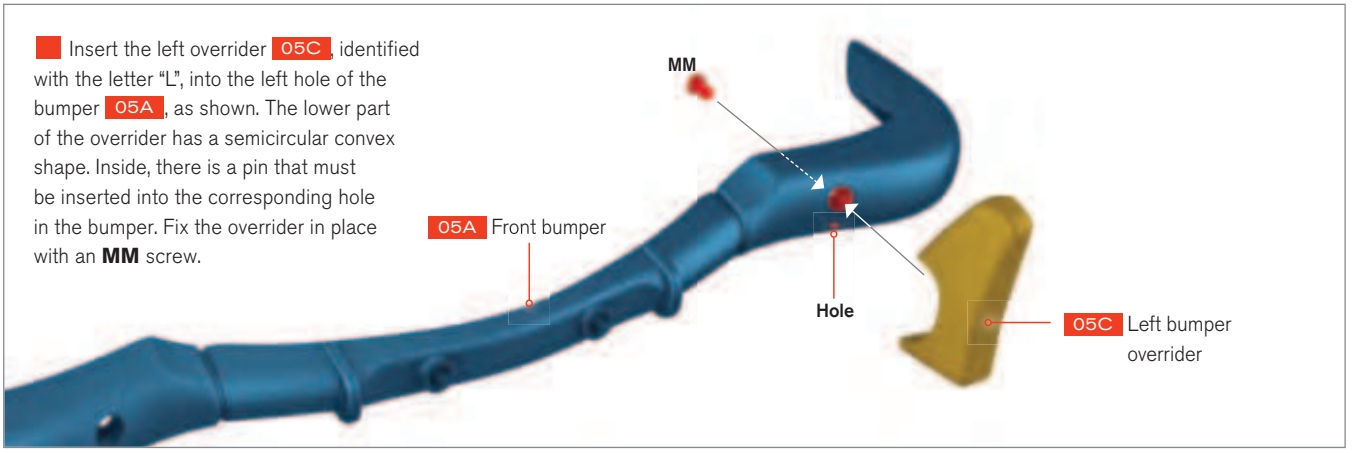
PHASE 5 – REQUIRED PARTS

Code	Name	Quantity	Material
05A	Front bumper	1	ABS
05B	Front license plate	1	ABS
05C	Left bumper overrider	1	Zinc
05D	Right bumper overrider	1	Zinc
05E	Left support	1	Zinc
05F	Right support	1	Zinc
HP	Screws 0.07 x 0.15in (2 x 4mm)	6 + 2*	Iron
MM	Screws 0.09 x 0.15in (2.3 x 4mm)	2 + 1*	Iron

* Replacement screws included

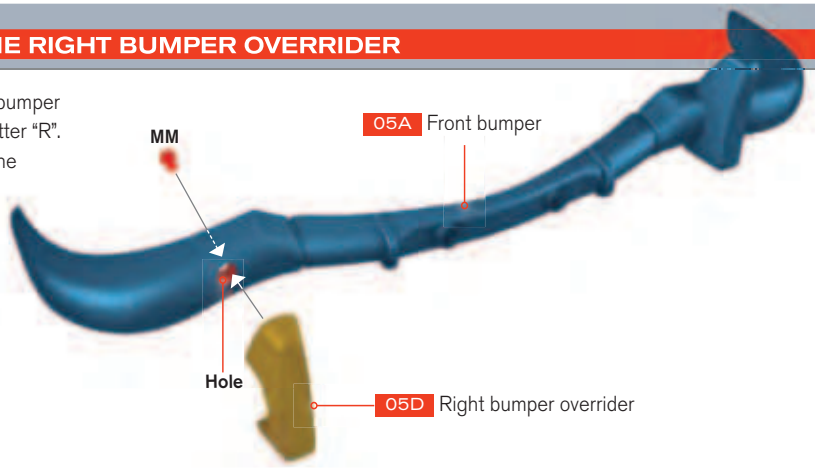
01 ASSEMBLING THE LEFT BUMPER OVERRIDER

Insert the left overrider 05C, identified with the letter "L", into the left hole of the bumper 05A, as shown. The lower part of the overrider has a semicircular convex shape. Inside, there is a pin that must be inserted into the corresponding hole in the bumper. Fix the overrider in place with an **MM** screw.

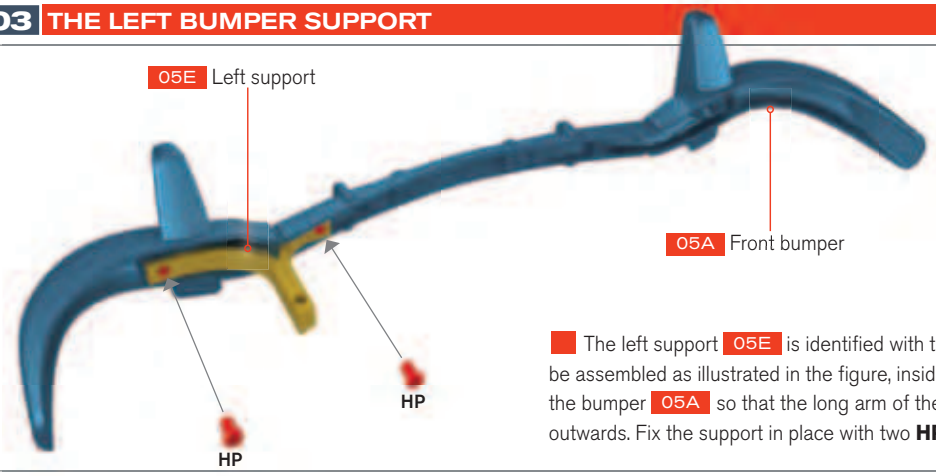


02 ASSEMBLING THE RIGHT BUMPER OVERRIDER

The right overrider of the bumper 05D is identified with the letter "R". Insert it into the right hole of the bumper 05A and attach it with an **MM** screw.



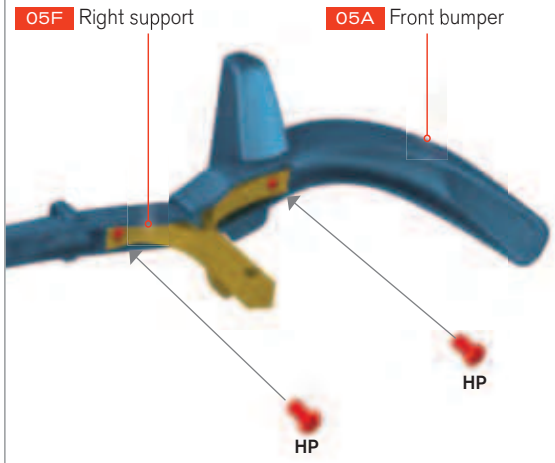
03 THE LEFT BUMPER SUPPORT



The left support 05E is identified with the letter "L". It must be assembled as illustrated in the figure, inside the left side of the bumper 05A so that the long arm of the support points outwards. Fix the support in place with two **HP** screws.

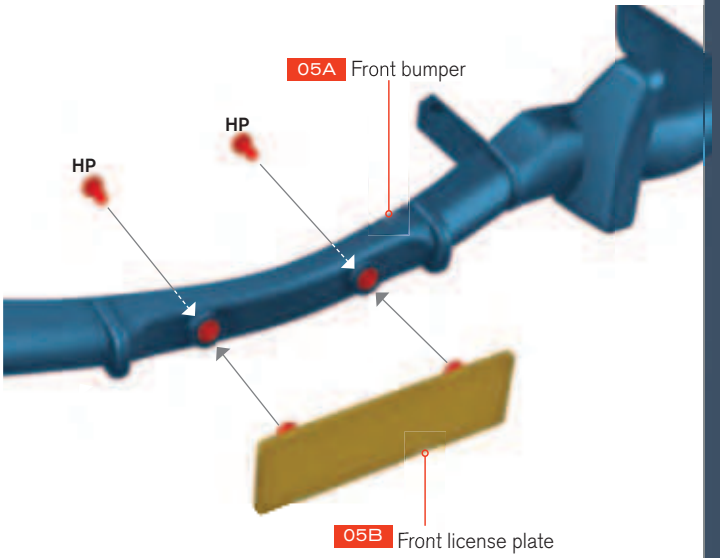
04 THE RIGHT BUMPER SUPPORT

The right support 05F is identified with the letter "R". It must be assembled on the right side of the bumper 05A so that the long arm of the support points outwards. Fix the support in place with two **HP** screws.



05 FITTING THE LICENSE PLATE

The license plate 05B is fixed in place with two **HP** screws through the holes in the center of the bumper 05A.



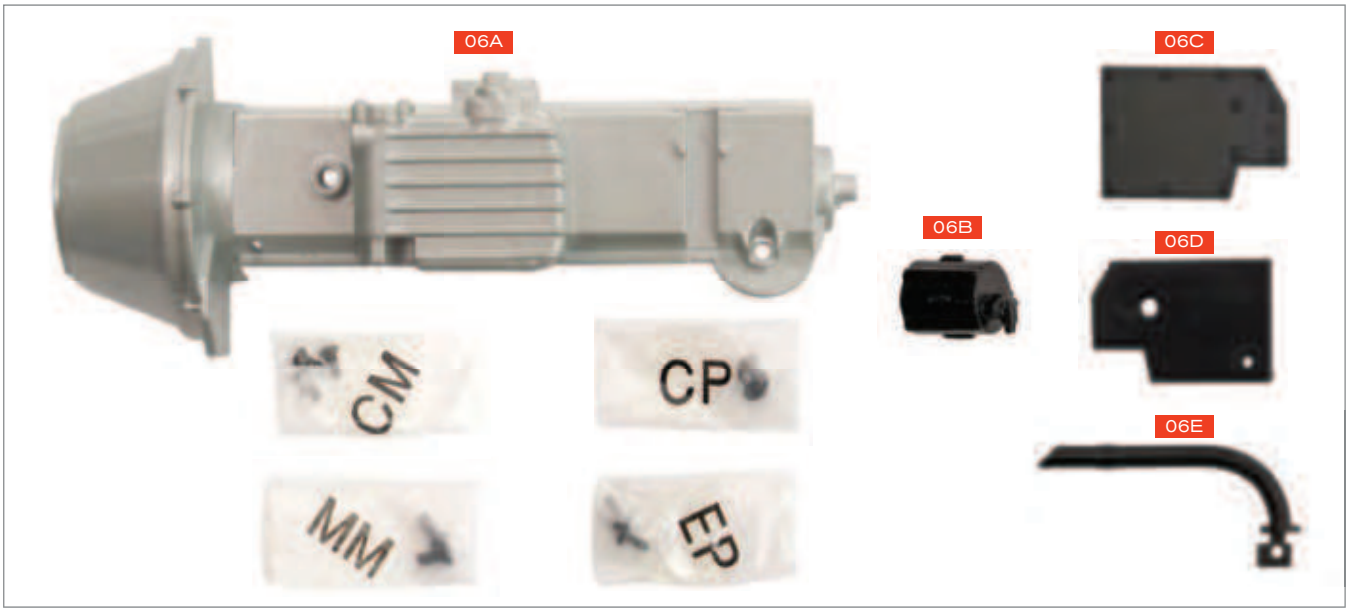
When fixing the license plate in place, make sure it is in the right position. Otherwise, when you fit the bumper onto the model later on, the numbers will be upside-down.

In this phase, you will assemble the oil radiator, then fix it to the left side of the crankcase. Next, you'll attach the crankcase to the left engine block.

PHASE 6 – REQUIRED PARTS

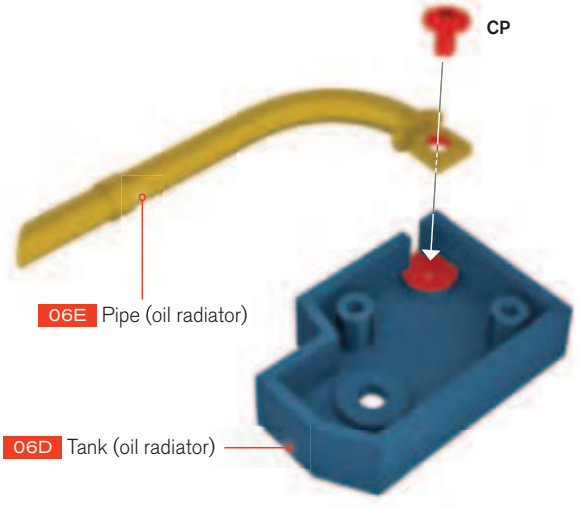
Code	Name	Quantity	Material
06A	Crankcase	1	Zinc
06B	Oil filter	1	ABS
06C	Cover (oil radiator)	1	ABS
06D	Tank (oil radiator)	1	ABS
06E	Pipe (oil radiator)	1	ABS
CM	Screws 0.07 x 0.15in (2 x 4mm)	2 + 1*	Iron
MM	Screws 0.09 x 0.15in (2.3 x 4mm)	1 + 1*	Iron
CP	Screws 0.06 x 0.11 x 0.17in (1.7 x 3 x 4.5mm)	1 + 1*	Iron
EP	Screws 0.06 x 0.15in (1.7 x 4mm)	1 + 1*	Iron

* Replacement screws included



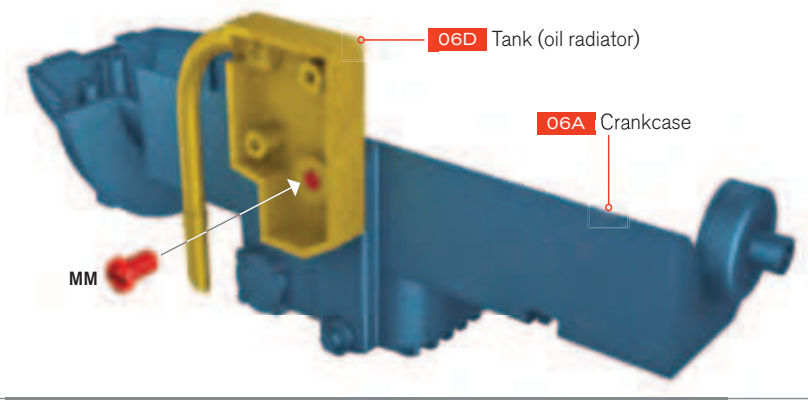
01 ASSEMBLING THE OIL RADIATOR PIPE

Position the curved end of the oil radiator pipe 06E in the notch on the contour of the oil tank 06D, so that the holes in both parts line up and the pipe sits in the slot on the side of the oil radiator. Fix it in place with a **CP** screw.



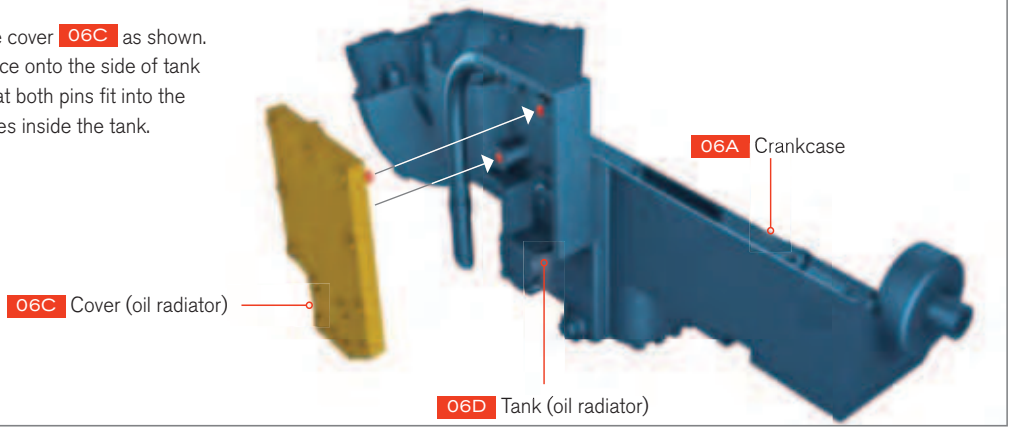
02 FITTING THE OIL RADIATOR TANK

Fit the tank 06D onto the outer side of the crankcase 06A and secure it with an **MM** screw, as shown.



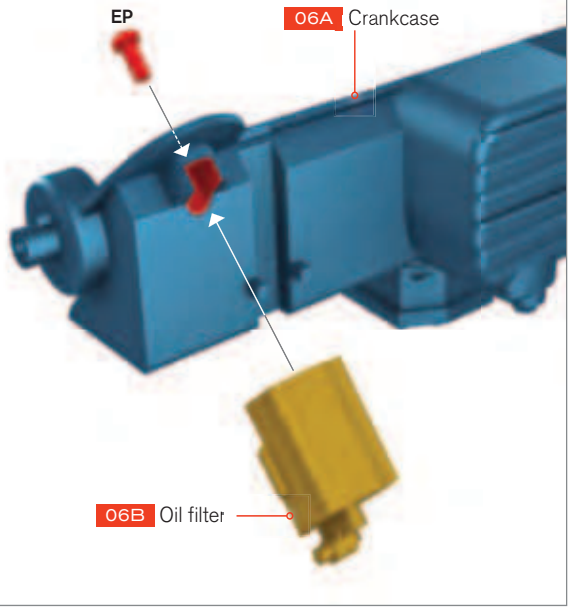
03 FITTING THE OIL RADIATOR COVER

Place the cover 06C as shown. Press the piece onto the side of tank 06D so that both pins fit into the matching holes inside the tank.



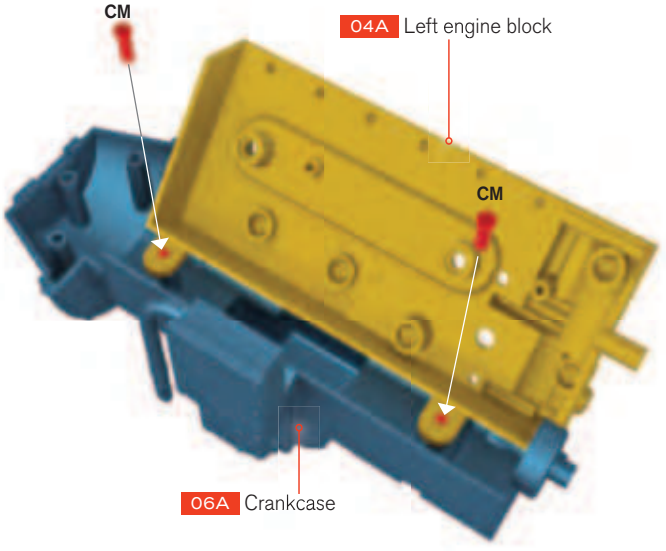
04 FITTING THE OIL FILTER

Place the oil filter 06B onto the lower face of the crankcase 06A, as shown. Fix it in place with an **EP** screw.



05 FITTING THE CRANKCASE

Take the left engine block 04A you assembled in phase 4 and fit it inside the crankcase 06A. The two tabs on the bottom surface should perfectly match the holes marked on the crankcase. Fix it in place with two **CM** screws.



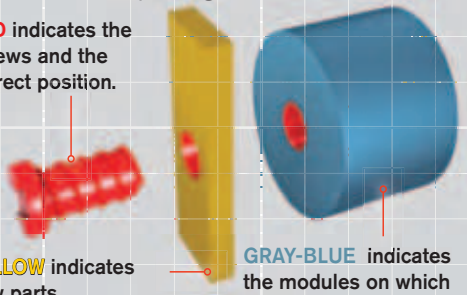
The self-tapping CM screws create their own thread as they are screwed in. To do this, screw the CM in half-way, and then remove it and the shavings. Next, screw the CM in all the way, holding the screwdriver tight and applying gentle pressure.

In this phase, you will join the exhaust manifolds to the engine cylinder head and fit the exhaust front pipe.

COLOR CODING

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

RED indicates the screws and the correct position.



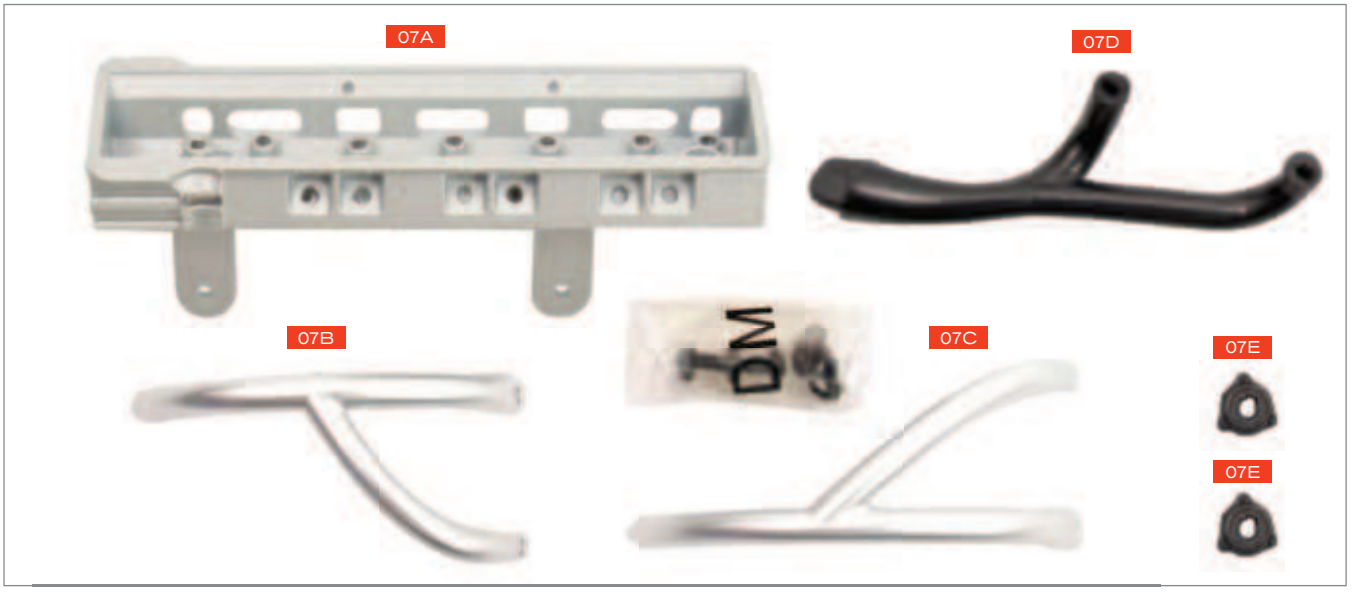
YELLOW indicates new parts.

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

PHASE 7 – REQUIRED PARTS

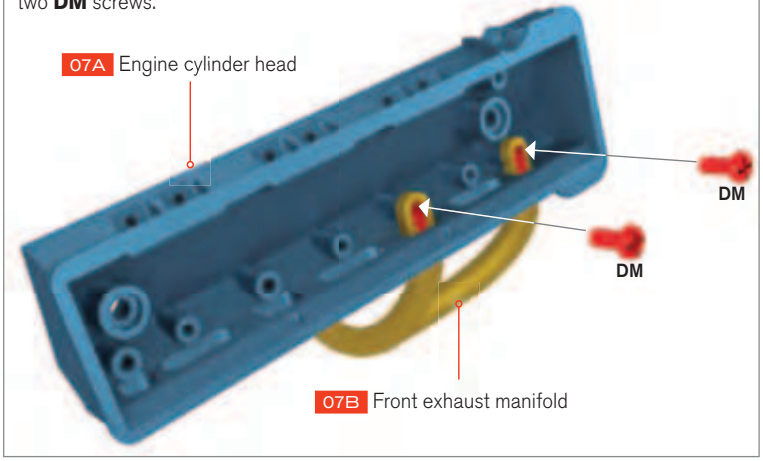
Code	Name	Quantity	Material
07A	Engine cylinder head	1	Zinc
07B	Front exhaust manifold	1	ABS
07C	Rear exhaust manifold	1	ABS
07D	Exhaust front pipe	1	ABS
07E	Exhaust front pipe connector seal	2	ABS
DM	Screws 0.06 x 0.15in (2 x 4 x 5mm)	4 + 2*	Iron

* Replacement screws included

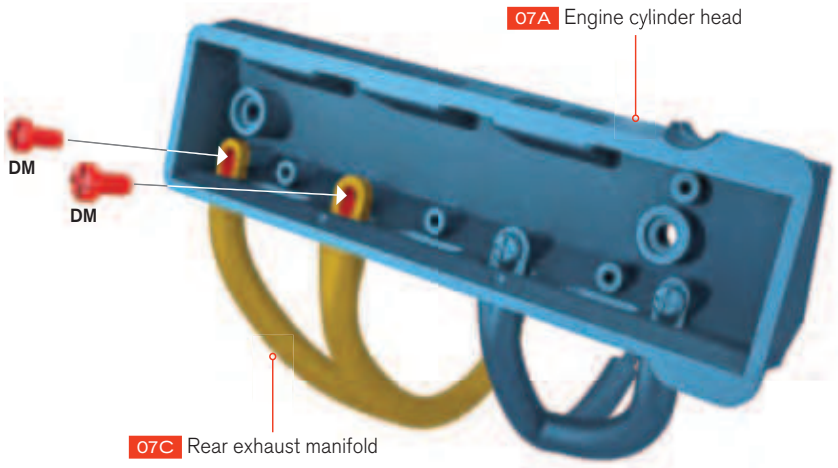


01 FITTING THE FRONT EXHAUST MANIFOLD

Take the front exhaust manifold 07B and position it on the engine cylinder head 07A, with the two ends inserted into the front holes, as shown in the image. Make sure the manifold is pointing downwards, then fix the piece in place with two **DM** screws.



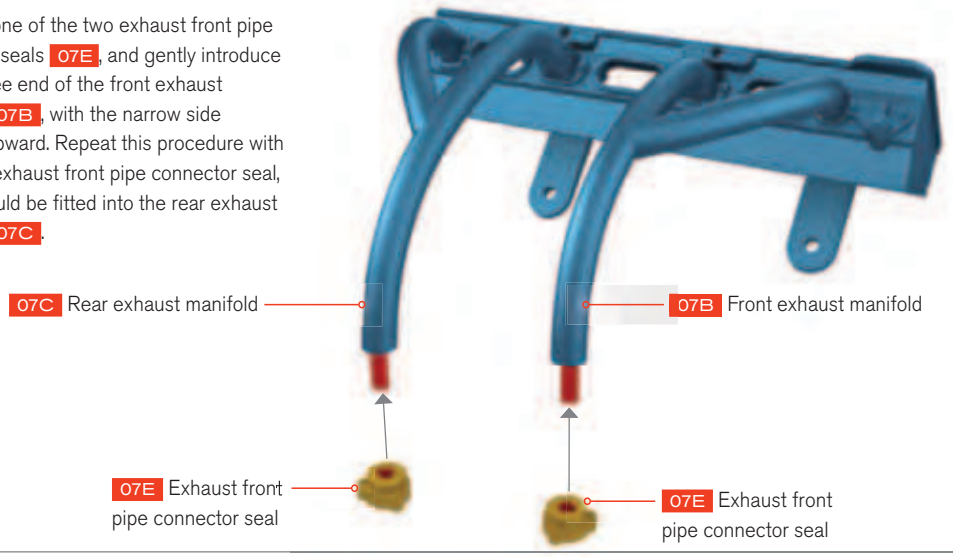
02 FITTING THE REAR EXHAUST MANIFOLD



Assemble the rear exhaust manifold 07C by inserting its ends into the 2 matching holes of the engine cylinder head 07A, and then securing with two **DM** screws.

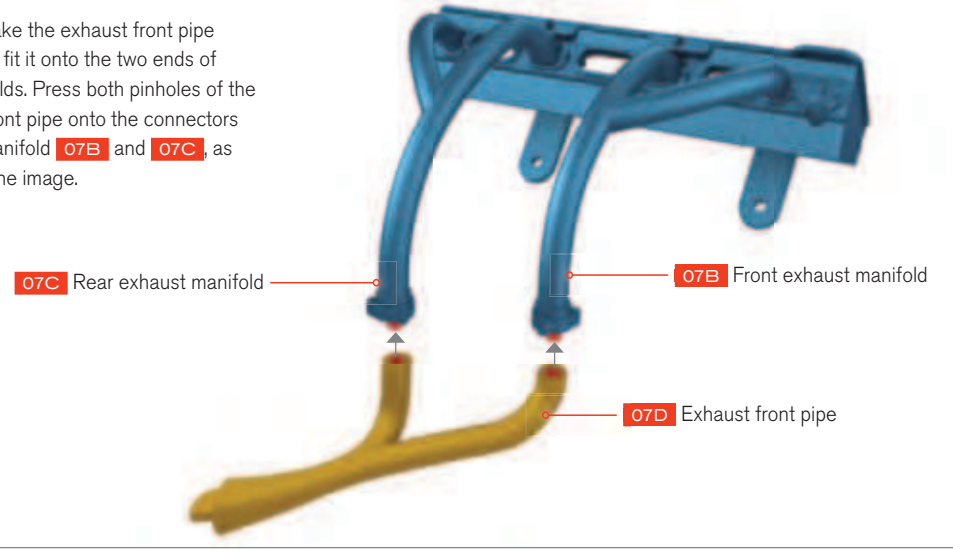
03 FITTING THE EXHAUST FRONT PIPE CONNECTOR SEALS

Take one of the two exhaust front pipe connector seals 07E, and gently introduce it in the free end of the front exhaust manifold 07B, with the narrow side pointing upward. Repeat this procedure with the other exhaust front pipe connector seal, which should be fitted into the rear exhaust manifold 07C.



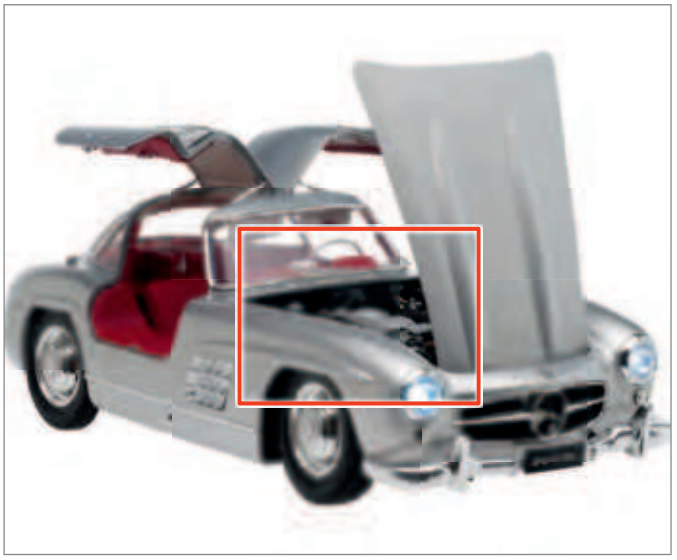
04 CONNECTING THE EXHAUST FRONT PIPE

Now take the exhaust front pipe 07D and fit it onto the two ends of the manifolds. Press both pinholes of the exhaust front pipe onto the connectors of each manifold 07B and 07C, as shown in the image.



Caution!
The manifolds must be assembled with the free ends pointing downward. Later, they will connect with the exhaust front pipe.

In this phase, the parts of the engine intake hose will be assembled and fixed to the engine cylinder head.



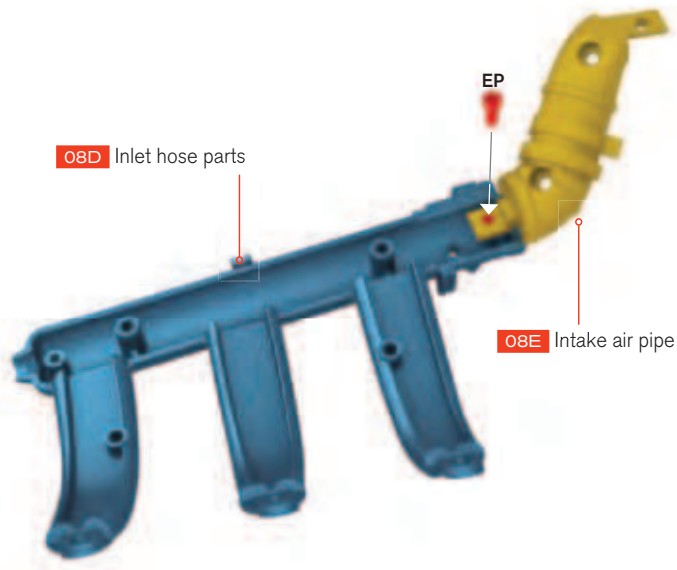
PHASE 8 – REQUIRED PARTS

Code	Name	Quantity	Material
08A	Engine intake hose	1	ABS
08B	Intake pipes heat shield	1	ABS
08C	Intake hose branch	1	ABS
08D	Inlet hose parts	1	ABS
08E	Intake air pipe left side	1	ABS
08F	Compression pipe upper	1	ABS
08G	Intake air pipe right side	1	ABS
08H	Compression pipe lower	1	ABS
CM	Screw 0.07 x 0.15in (2 x 4mm)	3 + 1*	Iron
EP	Screw 0.06 x 0.15in (1.7 x 4mm)	4 + 2*	Iron
FP	Screw 0.06 x 0.15 x 0.15in (1.7 x 4 x 4mm)	1 + 1*	Iron
HP	Screw 0.07 x 0.15in (2 x 4mm)	2 + 1*	Iron
MP	Screw 0.09 x 0.15in (2.3 x 4mm)	2 + 1*	Iron

* Replacement screws included

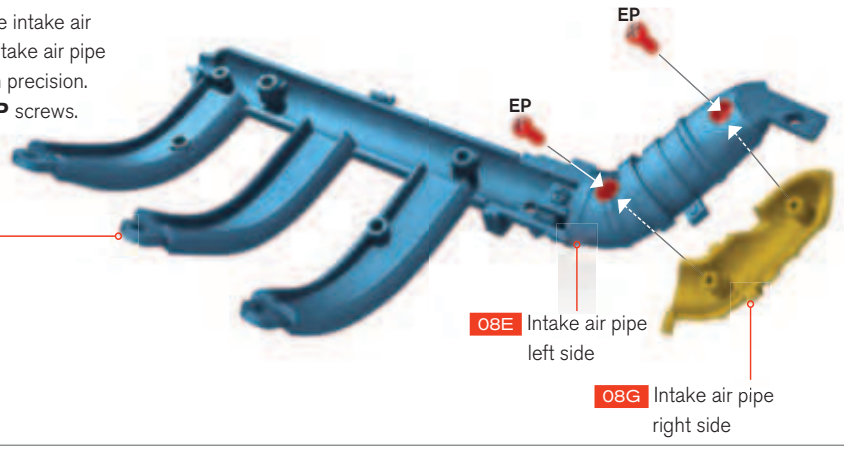
01 FITTING THE INTAKE AIR PIPE LEFT SIDE IN THE ENGINE INTAKE HOSE

Position the flange on the flat end of the intake air pipe left side 08E over the screw seat on the front of the inlet hose parts 08D. Join both pieces with an **EP** screw.



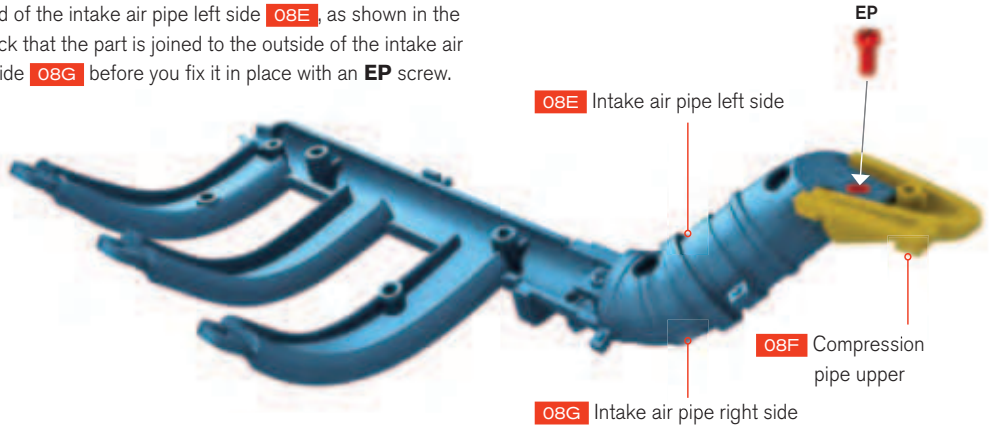
02 FITTING THE INTAKE AIR PIPE RIGHT SIDE

Position the outer part of the intake air pipe right side 08G into the intake air pipe left side 08E, fitting them with precision. Fix the part in place with two **EP** screws.



03 THE EXTERNAL PART OF THE COMPRESSION PIPE UPPER

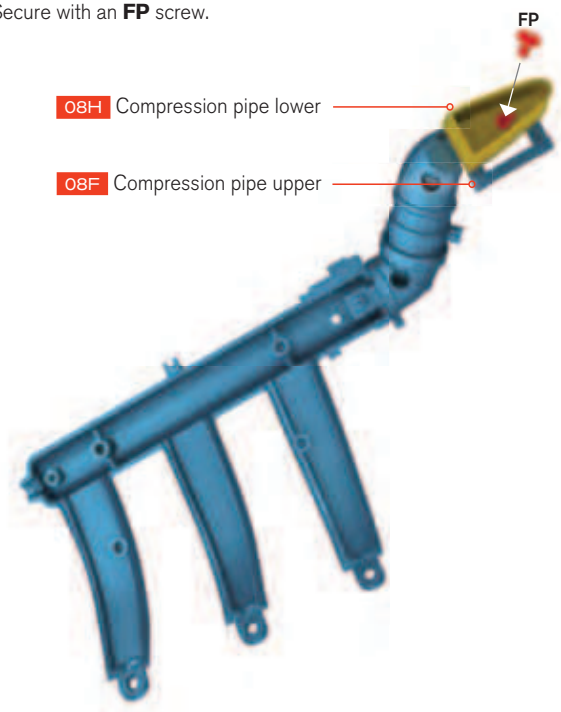
Mount the outer part of the compression pipe upper 08F onto the free end of the intake air pipe left side 08E, as shown in the figure. Check that the part is joined to the outside of the intake air pipe right side 08G before you fix it in place with an **EP** screw.



To avoid damaging the screws when tightening: hold the screwdriver tightly while applying firm pressure on the screw head.

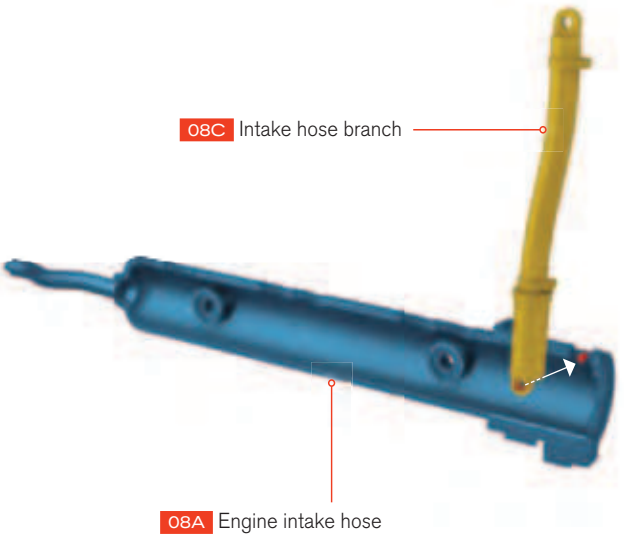
04 THE COMPRESSION PIPE UPPER

Place the compression pipe lower 08H on the screw seating in the inner side of the compression pipe upper 08F, as shown. Secure with an **FP** screw.



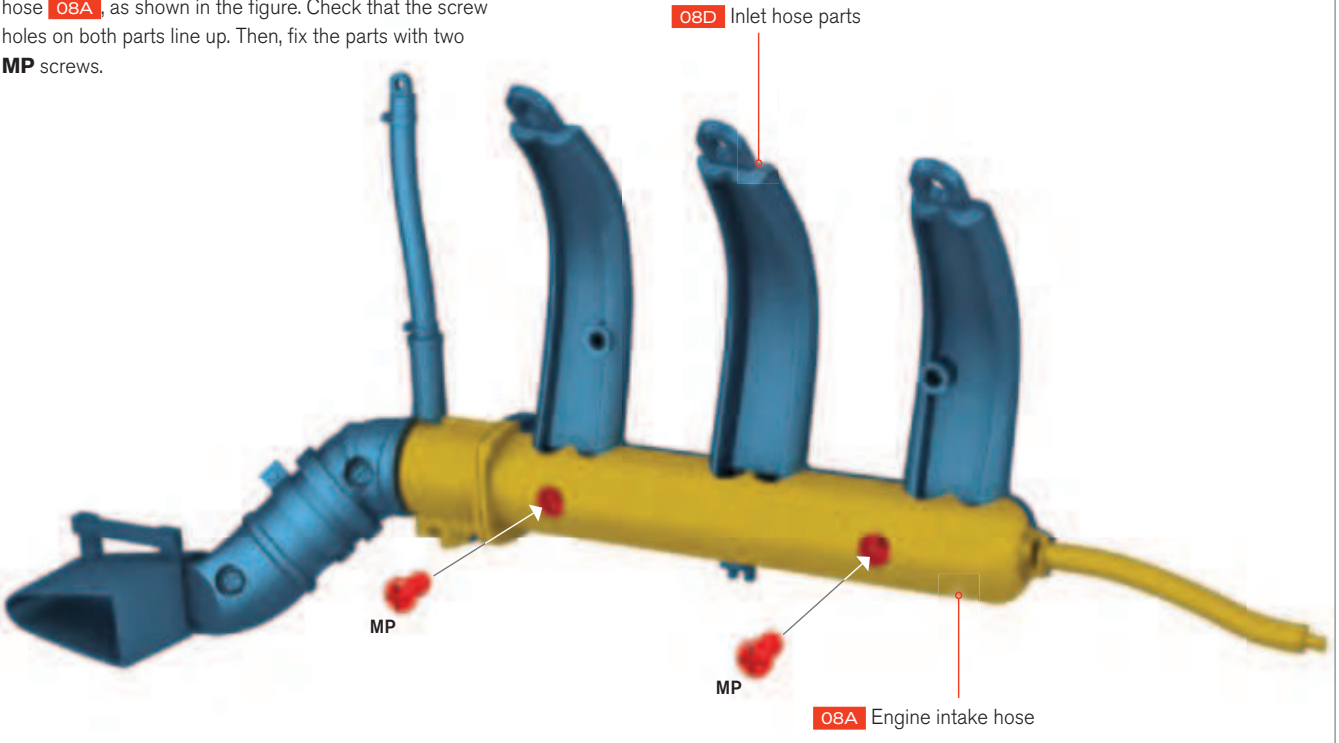
05 FITTING THE INTAKE HOSE BRANCH

Place the hole in the wide end of the intake hose branch 08C onto the guide pin located next to the flat end of the engine intake hose 08A.



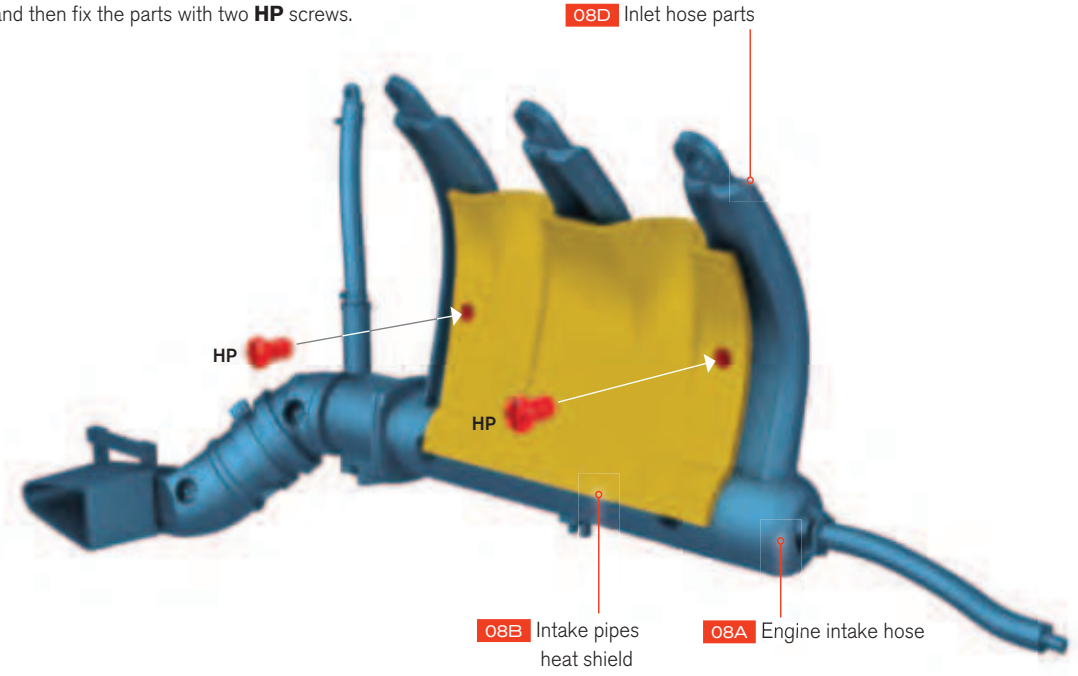
06 ASSEMBLING THE ENGINE INTAKE HOSE

Join the inlet hose parts 08D with the engine intake hose 08A, as shown in the figure. Check that the screw holes on both parts line up. Then, fix the parts with two **MP** screws.



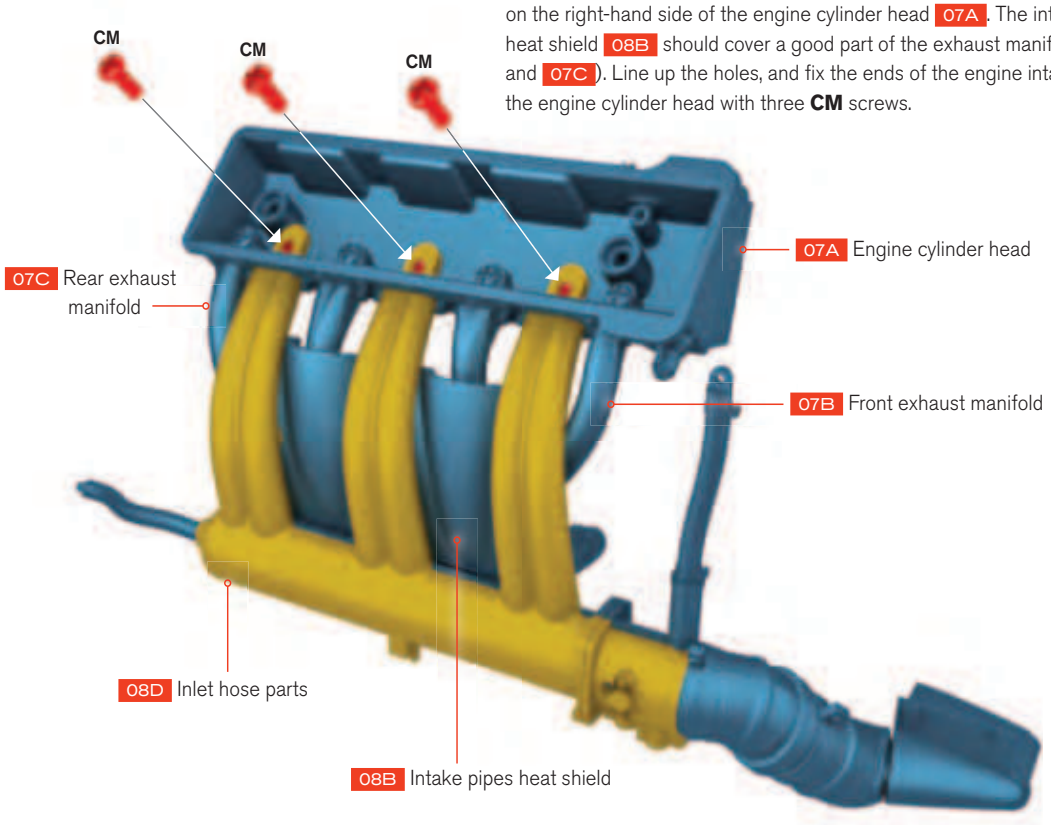
07 FITTING THE INTAKE PIPES HEAT SHIELD

Place the intake pipes heat shield 08B onto the inner side of the engine intake hose 08A. Make sure the screw holes line up, and then fix the parts with two **HP** screws.



08 FITTING THE ENGINE INTAKE HOSE ONTO THE ENGINE CYLINDER HEAD

Insert the three free ends of the Inlet hose parts 08D into the slots on the right-hand side of the engine cylinder head 07A. The intake pipes heat shield 08B should cover a good part of the exhaust manifold (07B and 07C). Line up the holes, and fix the ends of the engine intake hose to the engine cylinder head with three **CM** screws.



The self-tapping screws create their own thread when they are screwed in. For a perfect thread, first screw in halfway and then remove the screw. Remove all the shavings and then insert and tighten the screw all the way in, holding the screwdriver tightly and applying firm pressure.

PHASE 9: THE CYLINDER HEAD COVER AND THE DISTRIBUTOR

In this phase, you will install the cylinder head cover and fit the distributor and the ignition cable casing to the engine cylinder head. Next, you will fix the whole engine cylinder head assembly onto the left side of the engine block.

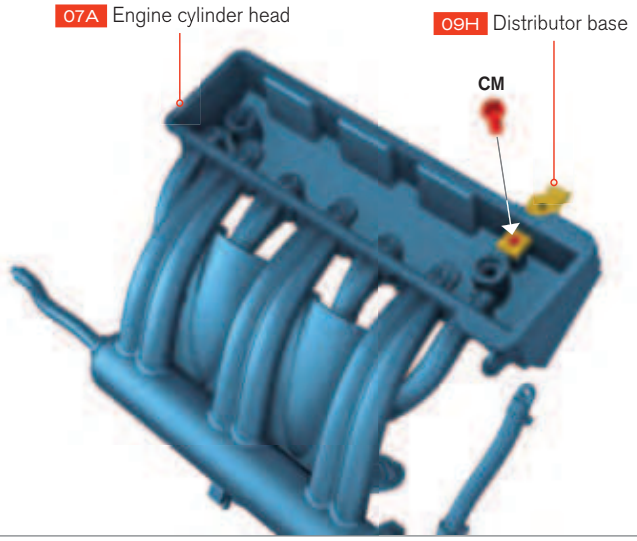
PHASE 9 – REQUIRED PARTS

Code	Name	Quantity	Material
09A	Cylinder head cover	1	ABS
09B	Oil filler cap	3	ABS
09C	Cylinder head cable	1	ABS
09D	Ignition cable casing	1	ABS
09E	Distributor cable	1	PVC
09F	Spark plugs	3	ABS
09G	Ignition cables	1	PVC
09H	Distributor base	1	ABS
09I	Distributor	1	ABS
09J	Distributor cap	1	ABS
CM	Screw 0.07 x 0.15in (2 x 4mm)	3 + 1*	Iron
EP	Screw 0.06 x 0.15in (1.7 x 4mm)	1 + 1*	Iron
MP	Screws 0.09 x 0.15in (2.3 x 4mm)	2 + 1*	Iron

* Replacement screws included

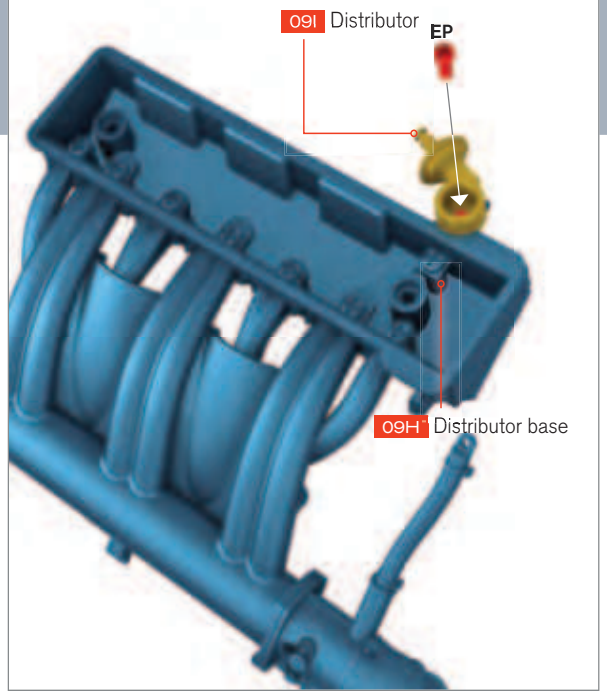
01 FITTING THE DISTRIBUTOR BASE

Position the distributor base 09H with the cylinder pointing downward. Next, insert its square flange into the slot on the engine cylinder head 07A as shown. Align the holes in both pieces and fix them with a **CM** screw.



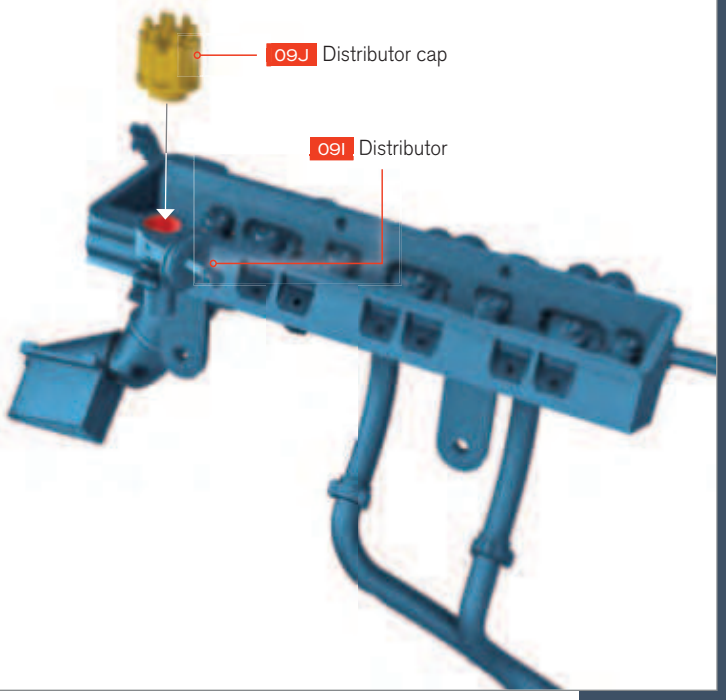
02 ASSEMBLING THE DISTRIBUTOR

Place the distributor 09I on the base 09H, ensuring orientation as shown in the picture. Fix the distributor in place with an **EP** screw.



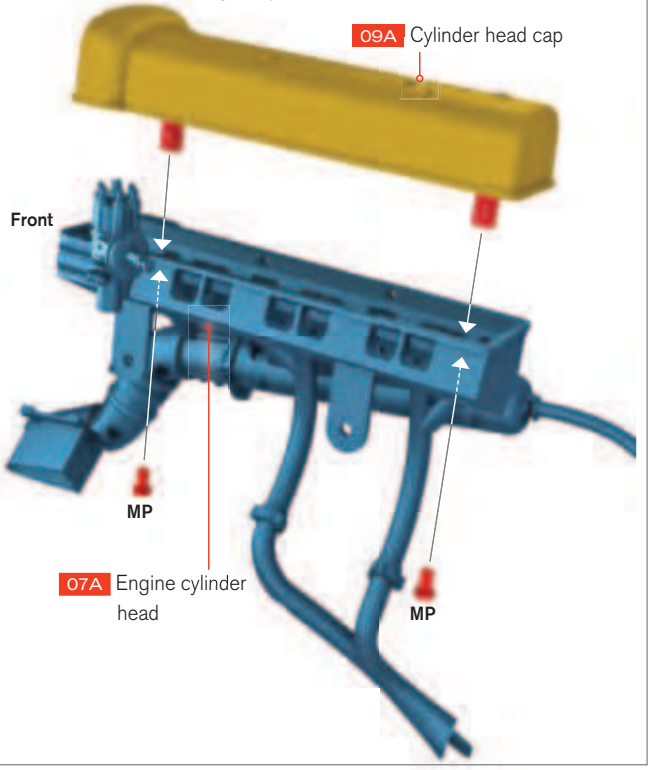
03 FITTING THE DISTRIBUTOR CAP

Push the distributor cap 09J into the upper surface of the distributor 09I until completely set.



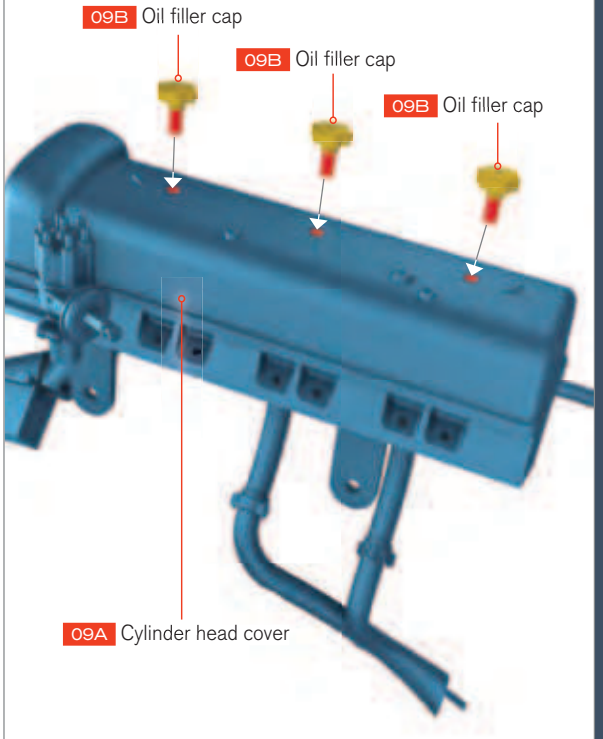
04 ASSEMBLING THE CYLINDER HEAD COVER

Place the cylinder head cover 09A onto the engine cylinder head 07A so that its widest end is pointing forward. Fix it in place by inserting two **MP** screws from underneath the engine cylinder head.



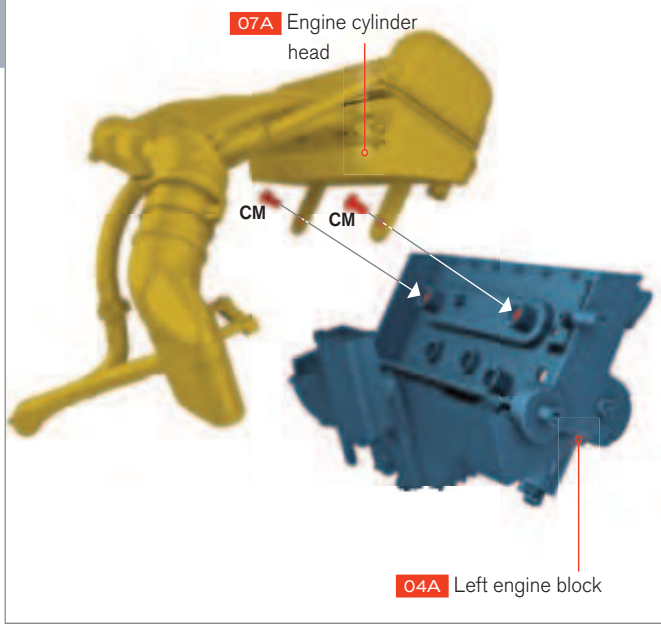
05 FITTING THE OIL FILLER CAPS

Insert the three oil filler caps 09B into the three central holes in the upper side of the cylinder head cover 09A.



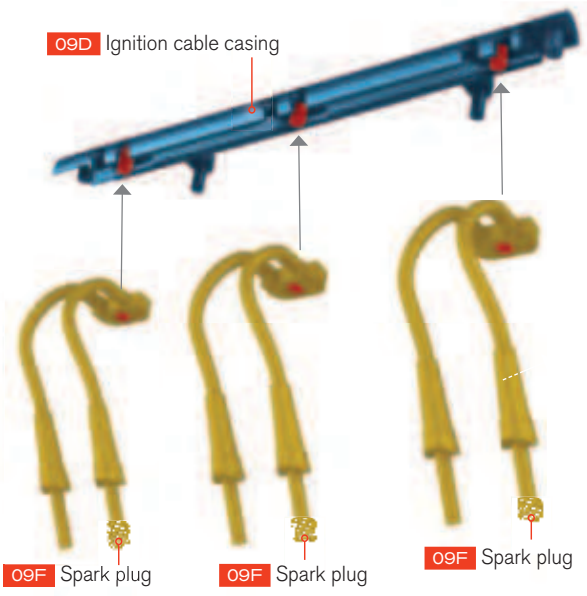
06 ASSEMBLING THE LEFT ENGINE BLOCK

Position the engine cylinder head 07A and the left engine block 04A as shown in the picture. Next, join both parts so the holes in the brackets on the bottom side of the engine cylinder head match the indicated screw seatings in the center of the engine block, as shown in the image. Join both parts with two **CM** screws.



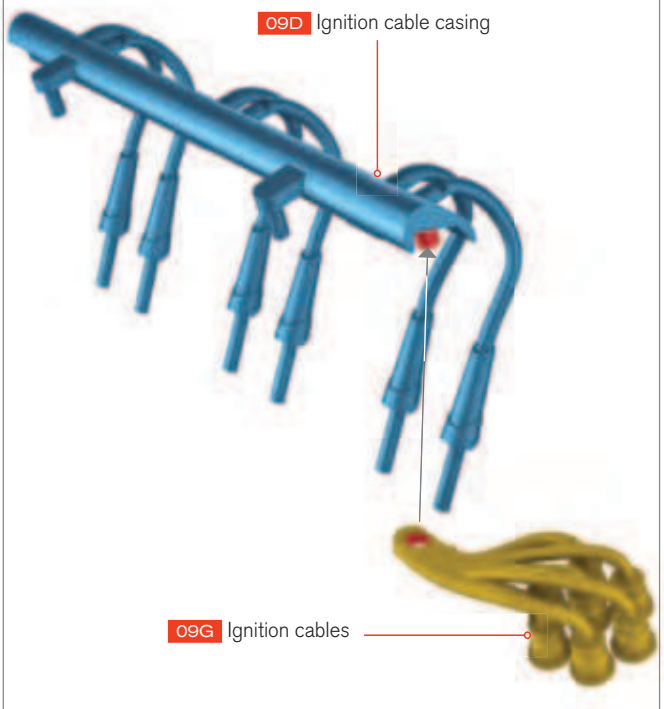
07 ASSEMBLING THE IGNITION CABLE CASING

Take the ignition cable casing 09D and position each of the three pairs of spark plugs 09F to the three indicated guide pins of the ignition cable casing 09D. Check orientation of the parts. Insert each connector in the corresponding guide pin on the bottom side of the casing, so the spark plugs protrude through the depressions on the duct.



08 ASSEMBLING THE IGNITION CABLES

Press-fit the opening at the end of the ignition cables 09G into the pin at the front end of the ignition cable casing 09D. The free ends of the casing should point forward.

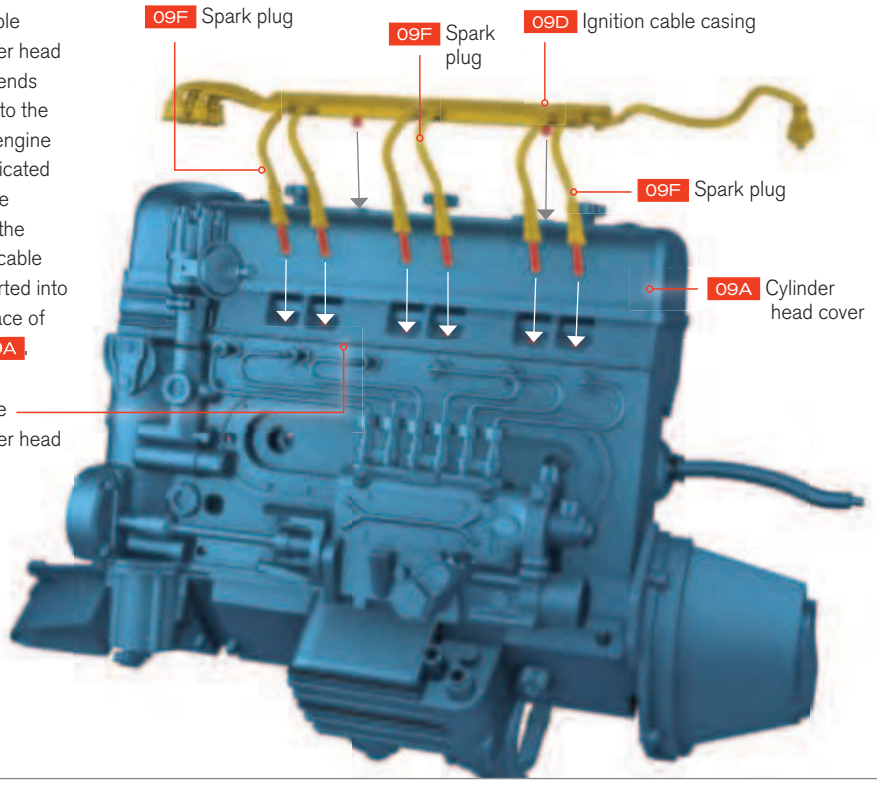


09 FASTENING THE STARTER CABLE

Press-fit the opening at the end of the distributor cable 09E into the pin at the back end of the ignition cable casing 09D. The free end of the cable should point toward the rear end of the casing.

10 ASSEMBLING THE IGNITION CABLE CASING

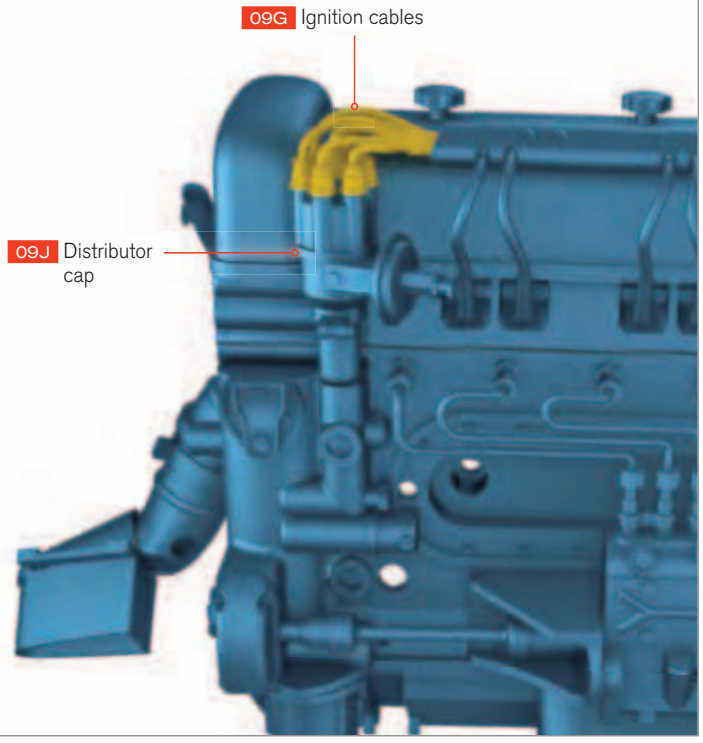
Position the ignition cable casing 09D on the cylinder head cover 09A. Insert the six ends of the spark plugs 09F into the six marked sockets of the engine cylinder head 07A, as indicated on the diagram. At the same time, the two guide pins at the bottom side of the ignition cable casing 09D must be inserted into the holes in the upper surface of the cylinder head cover 09A.



Pay close attention when inserting the spark plugs into their sockets, to keep the bolts at the tips from breaking!

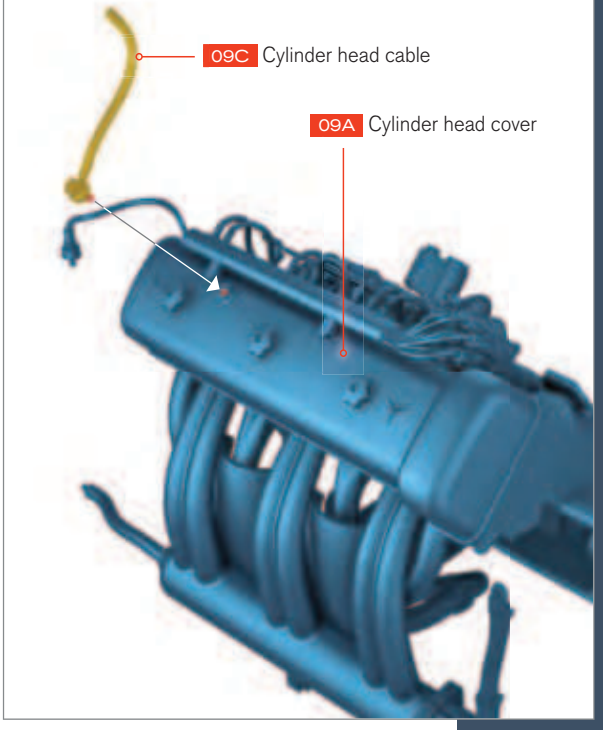
11 CONNECTING THE IGNITION CABLES

With a pair of tweezers, connect each of the seven cables of the ignition cables 09G to the top lid of the distributor cap 09J.



12 CYLINDER HEAD CABLE

Take the cylinder head cable 09C and insert the pin at the widest end of it into the hole on the upper surface of the cylinder head cover 09A. The loose end of the tube should be pointing towards the left side of the engine.

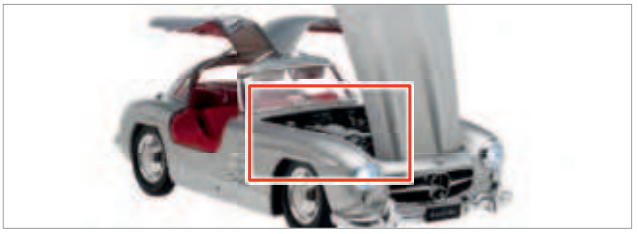


In this phase, you will assemble the alternator, and connect it to the water pump and the alternator shield. Then, you will fit the whole set to the right engine block. Finally, you will put the two sides of the engine block together.

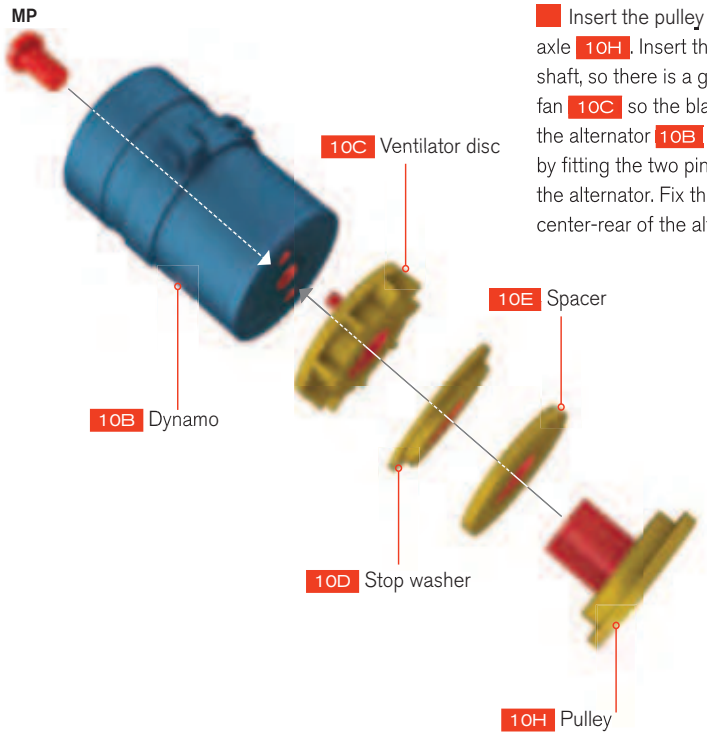
PHASE 10 – REQUIRED PARTS

Code	Name	Quantity	Material
10A	Right engine block	1	Zinc
10B	Alternator	1	ABS
10C	Alternator fan	1	ABS
10D	Pulley	1	ABS
10E	Pulley spacer	1	ABS
10F	Alternator shield	1	ABS
10G	Water pump	1	ABS
10H	Alternator axle	1	ABS
MM	Screws 0.09 x 0.15in (2.3 x 4mm)	2 + 1*	Iron
MP	Screws 0.09 x 0.15in (2.3 x 4mm)	3 + 1*	Iron

* Replacement screws included



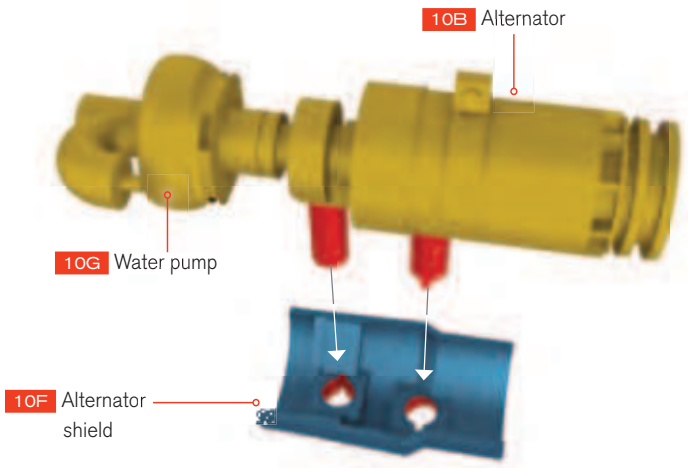
01 ASSEMBLING THE ALTERNATOR



Insert the pulley spacer 10E over the shaft of the alternator axle 10H. Insert the narrowest side of the pulley 10D into the shaft, so there is a groove for the drive belt. Insert the alternator fan 10C so the blades point toward the alternator axle. Set the alternator 10B on the back of the alternator fan 10C by fitting the two pins of the disc into the holes in the front of the alternator. Fix the set in place with an **MP** screw in the center-rear of the alternator.

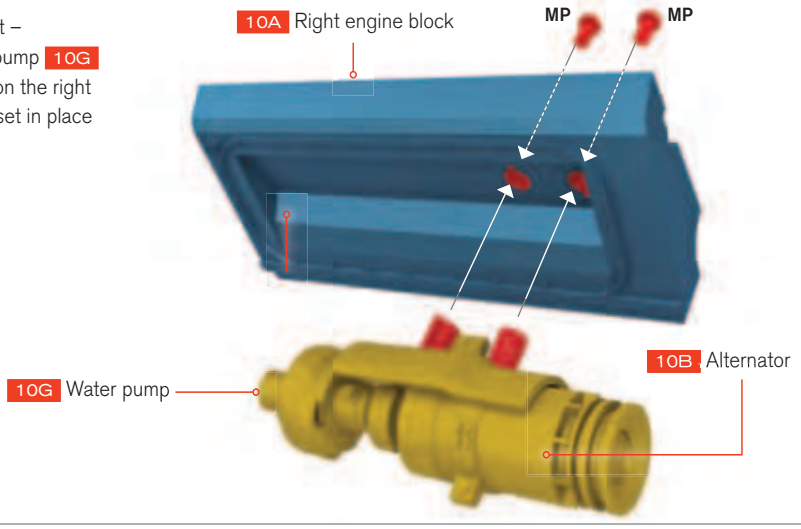
02 FITTING THE ALTERNATOR SHIELD

Line up the water pump 10G and the alternator 10B, as shown in the image. Check that the two pins on the side of this set are aligned with each other. Next, position the alternator shield 10F, introducing the two aligned pins through the two holes of the plate. The alternator should be on the narrower side of the plate, as shown.



03 FIXING THE ASSEMBLY TO THE RIGHT ENGINE BLOCK

Insert the bolts of the set – alternator 10B and water pump 10G – into the designated holes on the right engine block 10A. Fix the set in place with two **MP** screws.



Be careful, when positioning the right engine block, not to damage the other parts of the set.

04 ASSEMBLING THE ENGINE BLOCKS

Take the left engine block assembled in phase 9, and the right engine block. Take the right engine block 10A and slide it under the intake and exhaust manifolds until it aligns with the left engine block 04A. Join the blocks by pressing them together. Hold them in place with two **MM** screws (Fig. 1).

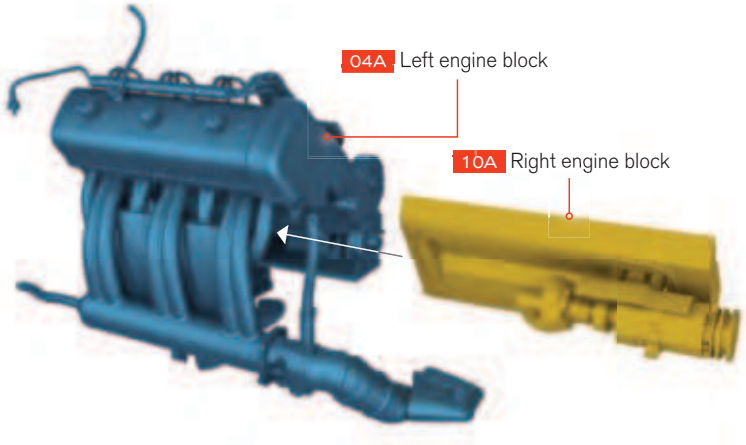
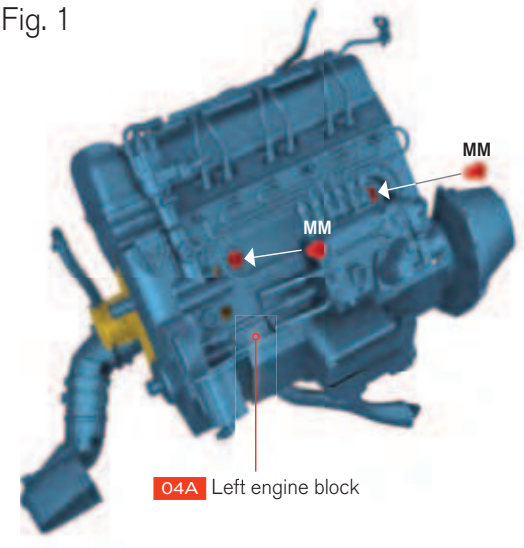


Fig. 1



In this phase, you will put together the engine fan assembly with its fan belt and pulleys, which will then be fitted onto the Mercedes 300 SL engine block.

PHASE 11 – REQUIRED PARTS

Code	Name	Quantity	Material
11A	Fan drive shaft	1	ABS
11B	Fan blades	1	ABS
11C	Pulley (fan)	1	ABS
11D	Fan support backplate	1	ABS
11E	Crankshaft damper pulley	1	ABS
11F	Pulley (crankshaft)	1	ABS
11G	Fan belt	1	PVC
CM	Screws 0.07 x 0.15in (2 x 4mm)	2 + 1*	Iron

* Replacement screws included

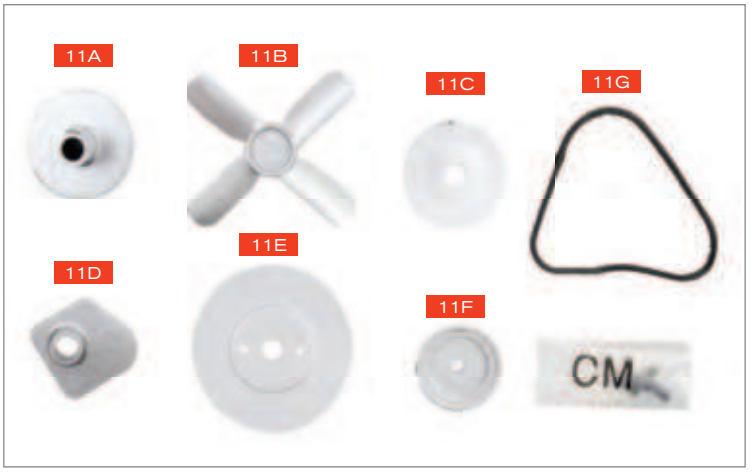
COLOR CODING

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

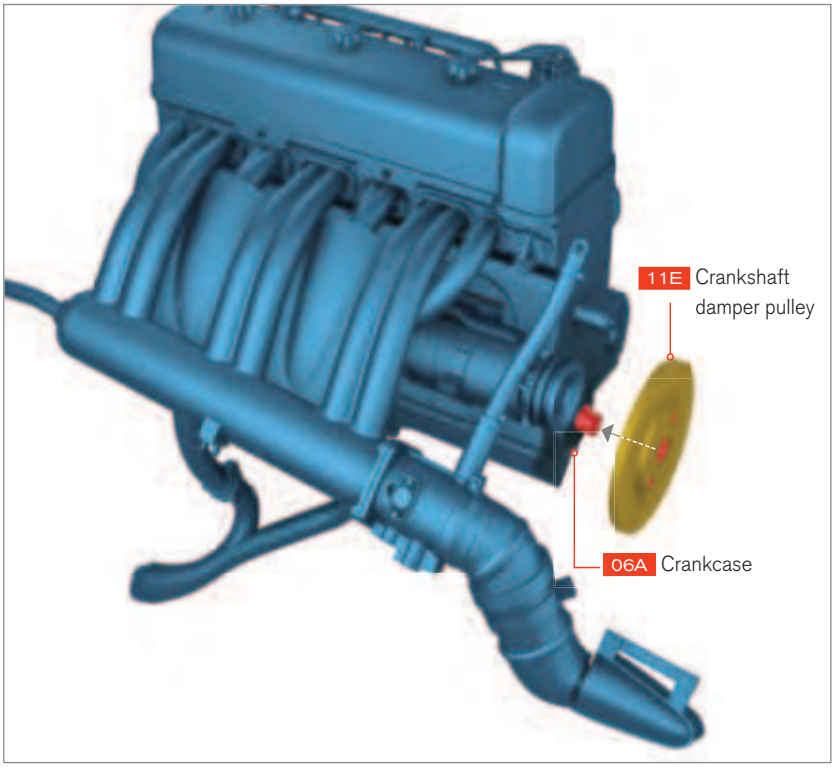
RED indicates the screws and the correct position.

YELLOW indicates new parts.

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

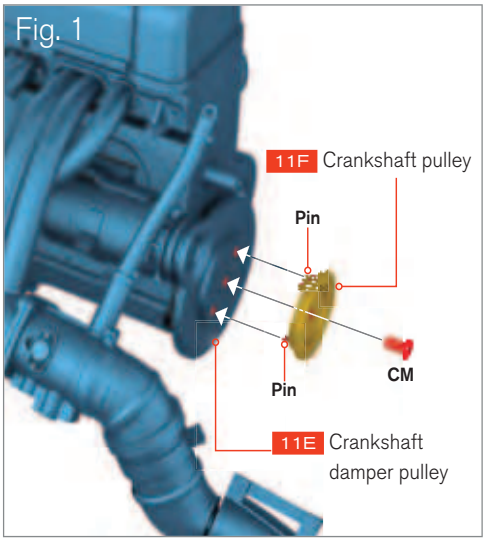


01 FITTING THE CRANKSHAFT DAMPER AND THE PULLEY



The crankshaft damper pulley 11E is fitted onto the crankshaft with its widest side facing the engine 06A. Then the smaller crankshaft pulley 11F is inserted onto the shaft, with the narrowest side facing the damper 11E, forming a channel. Both pins on the pulley must be inserted into the holes in the crankshaft damper. Join these parts together with a **CM** screw.

Fig. 1



02 FITTING THE FAN SUPPORT BACKPLATE

The fan support backplate 11D is inserted onto the shaft at the front end of the engine block 04A so that the protrusion on the back slides into its corresponding recess on the engine block. Then the fan pulley 11C and the fan drive shaft 11A are fitted as shown in figure 1. Both parts are pushed all the way onto the shaft on the front end of the engine block. This assembly is fixed in place with a **CM** screw inserted into the end of the fan drive shaft.

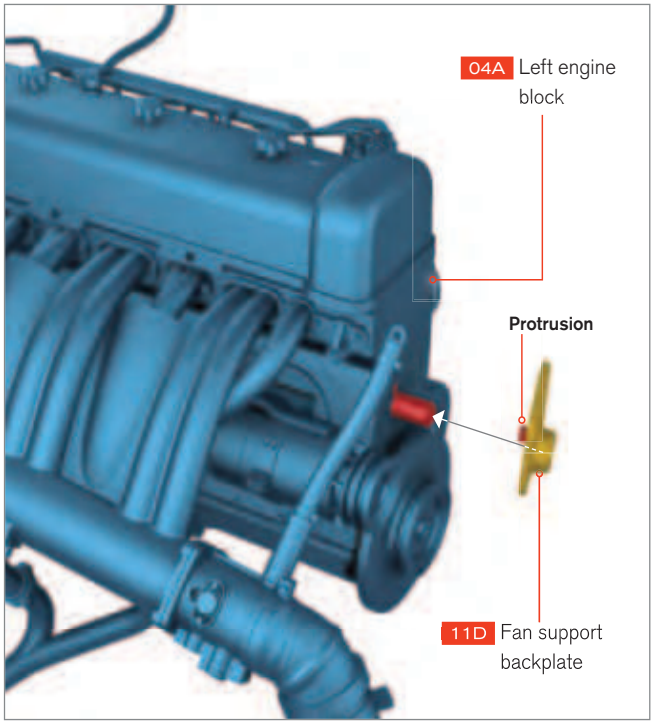


Fig. 1

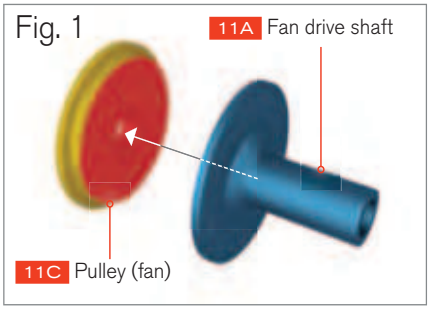
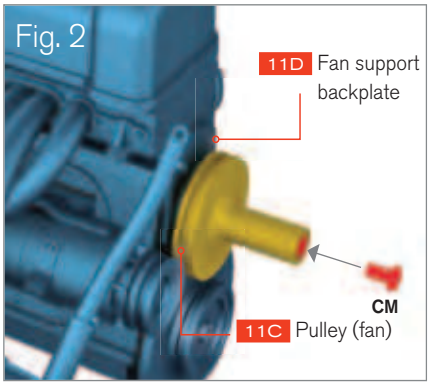


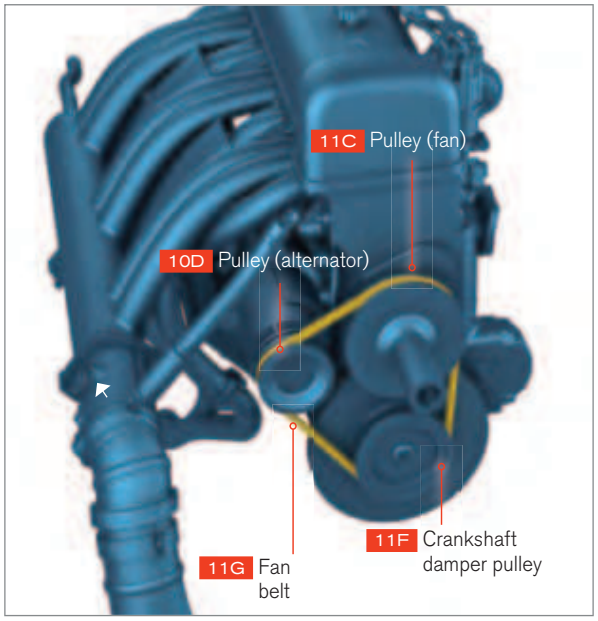
Fig. 2



Be very careful when inserting the pulley onto the engine, to avoid damaging any of the parts that are already assembled.

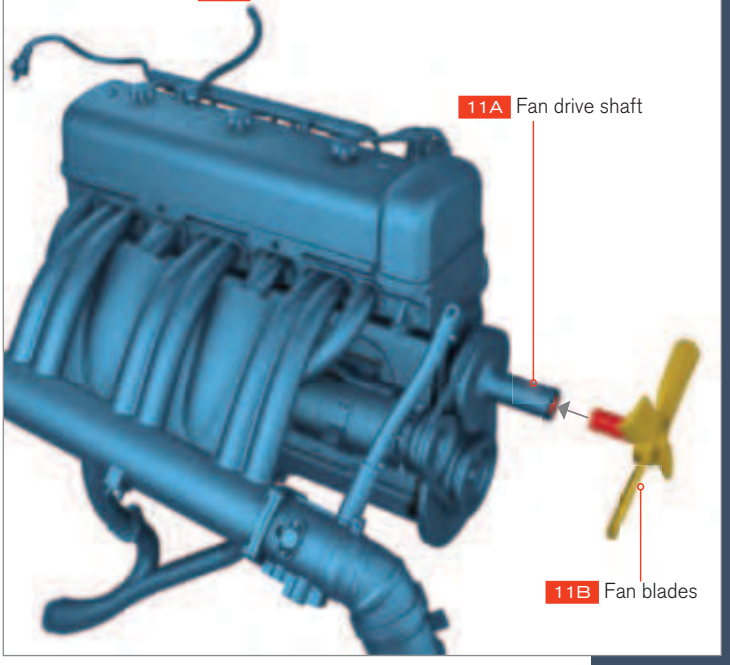
03 FITTING THE FAN BELT

The fan belt 11G is tensioned around the fan pulley 11C, the crankshaft damper pulley 11F, and the alternator pulley 10D, as shown in the picture.



04 FITTING THE FAN BLADES

The shaft of the fan blades 11B is inserted all the way into the central hole of the fan drive shaft 11A.

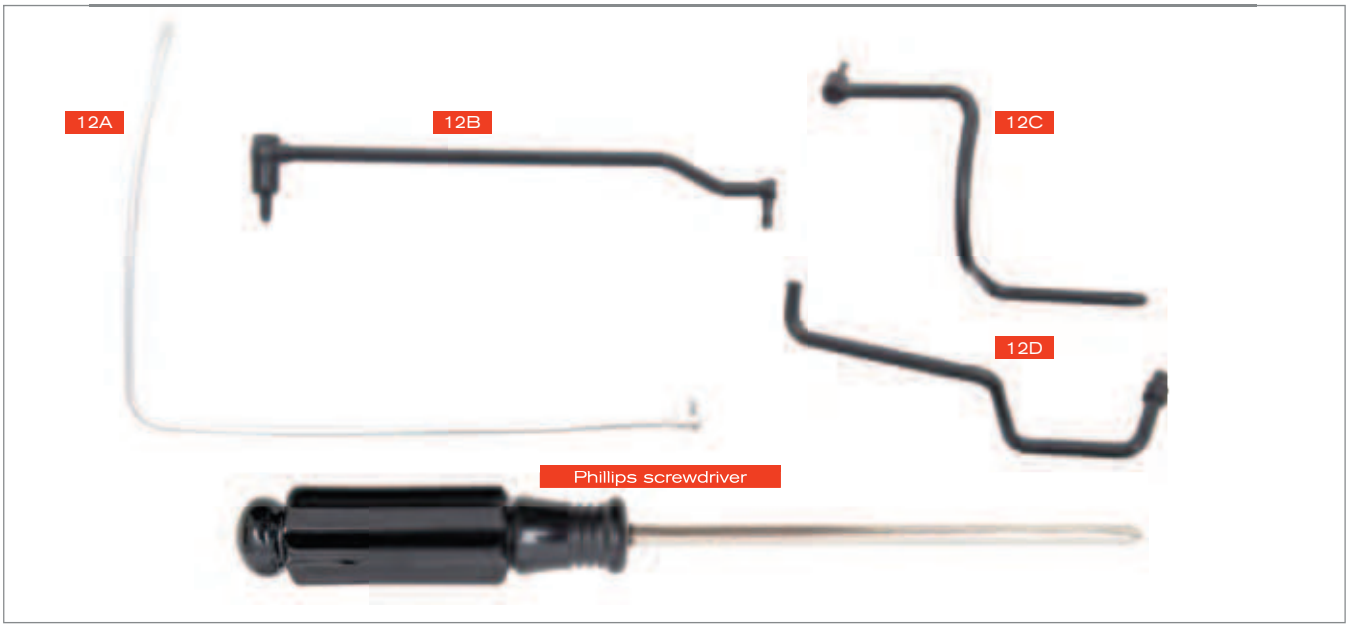


In this phase, we explain how to install the three oil lines and the high-pressure line.

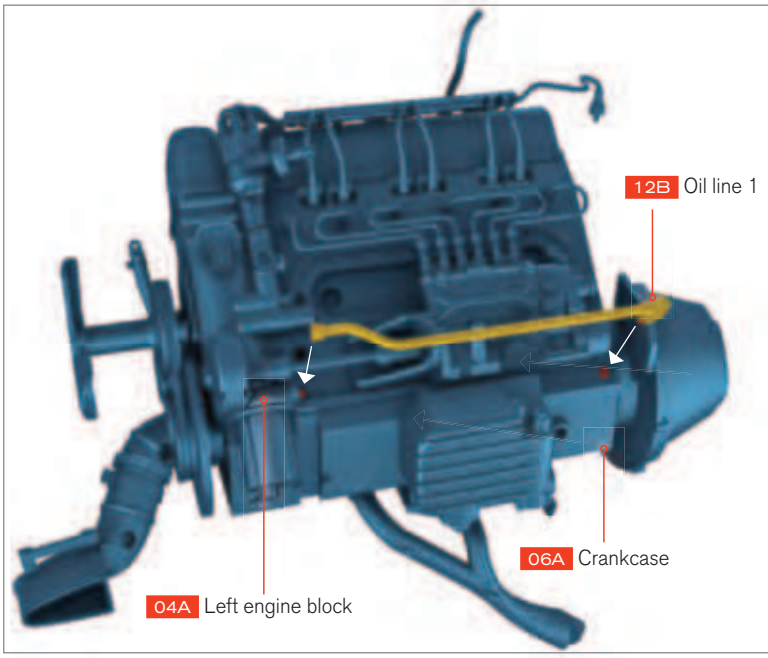
PHASE 12 – REQUIRED PARTS

Code	Name	Quantity	Material
12A	High-pressure oil line	1	ABS
12B	Oil line 1	1	ABS
12C	Oil line 2	1	ABS
12D	Oil line 3	1	ABS
–	Phillips screwdriver	1	–

* Replacement screws included

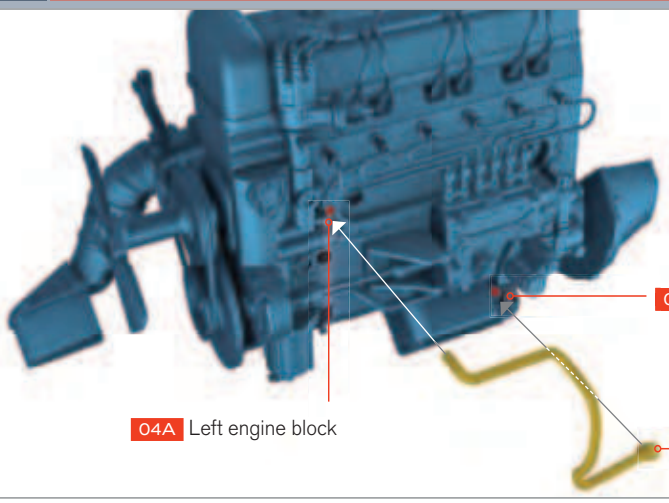


01 INSTALLING THE FIRST OIL LINE



The pin on the straight end of oil line 1 12B is inserted into the hole in the lower back end of the left side of the crankcase 06A, as shown. The pin on the angled end of the oil line 12B is pressed into the hole in the lower front end of the left side of the engine 04A, as shown.

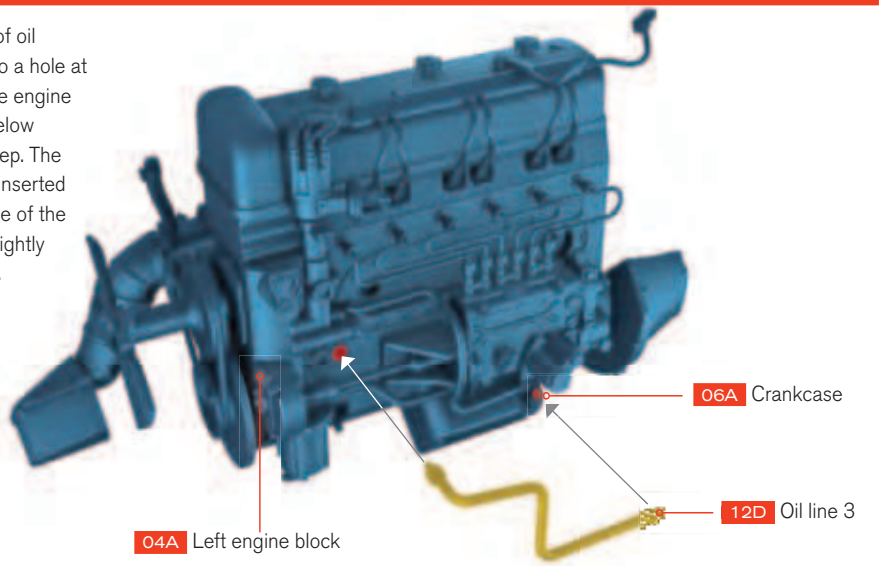
02 INSTALLING THE SECOND OIL LINE



The thicker end of oil line 2 12C is inserted in the upper hole at the bottom of the crankcase 06A. The other end of oil line 2 12C is pressed into the hole in the the left engine block 04A, as shown.

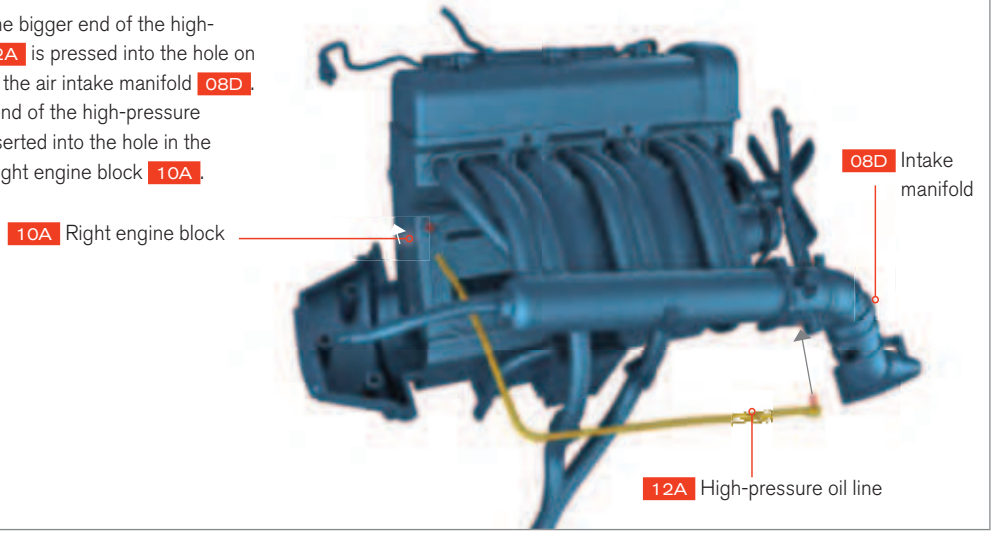
03 INSTALLING THE THIRD OIL LINE

The pin on the thicker end of oil line 3 12D is also inserted into a hole at the bottom of the left side of the engine block 04A. It is located just below the hole used in the previous step. The other end of oil line 3 12D is inserted into the lower front of the middle of the crankcase 06A. The hole is slightly below the wide end of oil line 2.



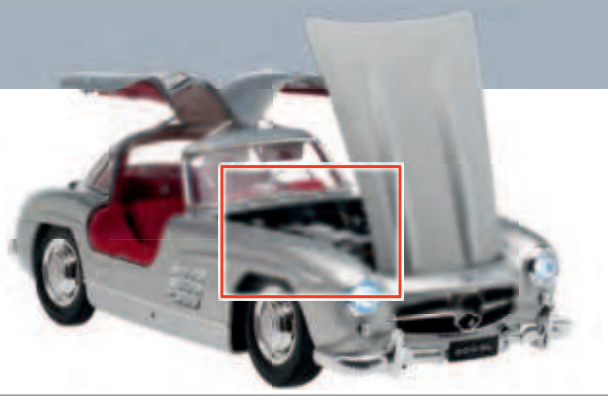
04 INSTALLING THE HIGH-PRESSURE LINE

The pin on the bigger end of the high-pressure line 12A is pressed into the hole on the underside of the air intake manifold 08D. Next, the other end of the high-pressure tube 12A is inserted into the hole in the rear end of the right engine block 10A.



Be very careful when inserting the oil lines, to avoid damaging any of the parts that are already assembled.

In this phase, you will assemble the gearbox and clutch housings. Later, both parts will be fixed to the rear end of the engine.



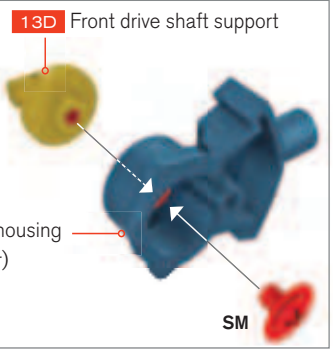
PHASE 13 – REQUIRED PARTS

Code	Name	Quantity	Material
13A	Gearbox housing (left)	1	Zinc
13B	Gearbox housing (right)	1	Zinc
13C	Gearshift housing cover (front)	1	Zinc
13D	Front drive shaft support	1	Zinc
13E	Clutch housing	1	Zinc
13F	Gearshift housing cover (rear)	1	Zinc
MM	Screws 0.09 x 0.15in (2.3 x 4mm)	5 + 2*	Iron
SM	Screws 0.07 x 0.11 x 0.25in (2 x 3 x 6.5mm)	3 + 1*	Iron

* Replacement screws included

01 THE FRONT DRIVESHAFT SUPPORT

The front drive shaft support 13D is positioned on the rear gearshift housing cover 13F, as shown in the picture. Fix it in place with an **SM** screw.



02 THE RIGHT GEARSHIFT HOUSING COVER

Semi-tighten an **SM** screw just one or two turns into the internal hole of the gearshift housing cover 13C. Do the same in the internal hole of the gearshift housing cover 13F. Housing cover 13F and housing cover 13C are positioned together with the right gearbox housing 13B, as shown in the picture, so that the necks of both screws rest inside 13B (see figure 1). Gently tighten both screws.

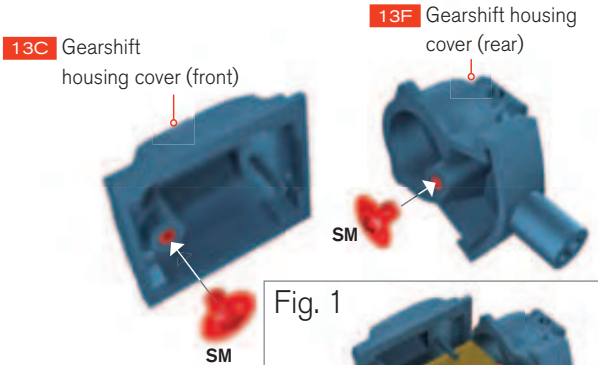
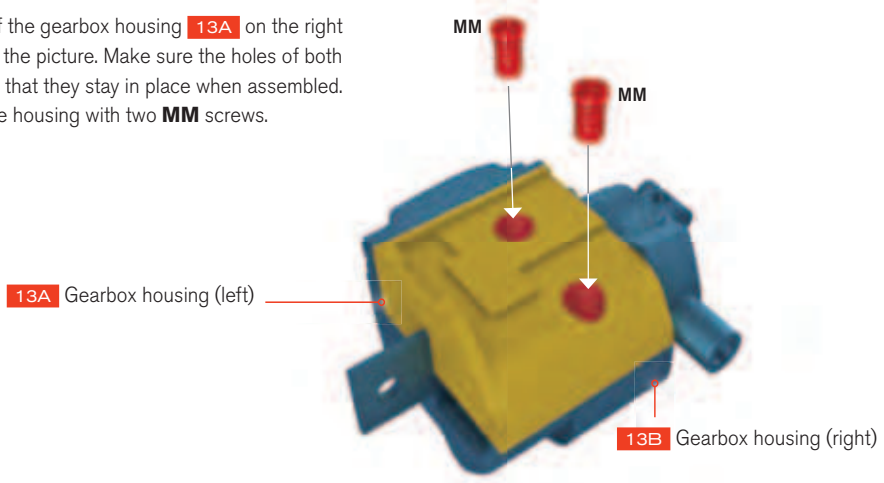


Fig. 1

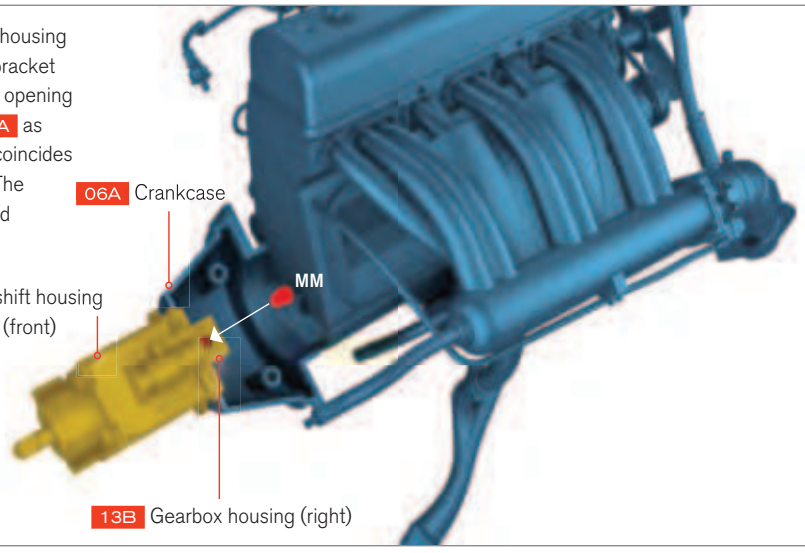
03 ASSEMBLING THE GEARBOX HOUSING

Place the left side of the gearbox housing 13A on the right side 13B, as shown in the picture. Make sure the holes of both parts match exactly, and that they stay in place when assembled. Tighten both sides of the housing with two **MM** screws.



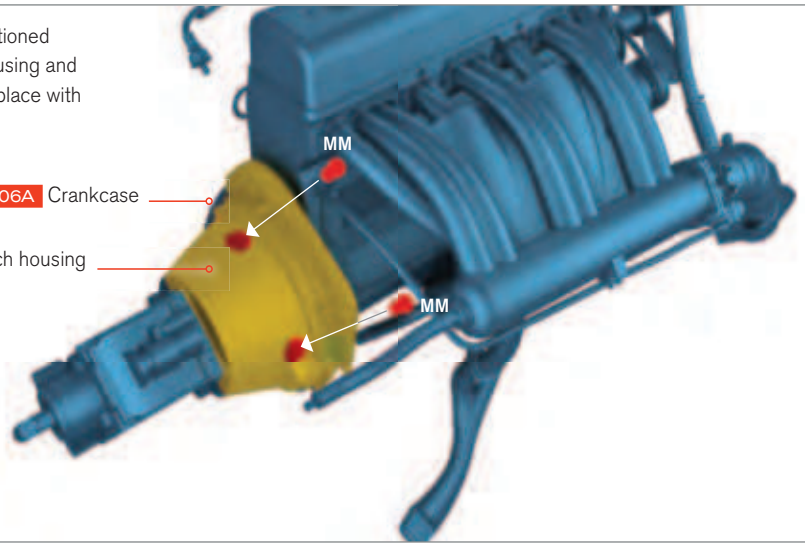
04 COMPLETING THE ASSEMBLY OF THE GEARBOX HOUSING

At the front end of the right-side housing of the gearbox 13B there is a flat bracket with a hole. It must be inserted in the opening at the rear end of the crankcase 06A as shown in the figure so that the hole coincides exactly with the one in the opening. The gearshift housing cover 13C is fixed to the crankcase with an **MM** screw.



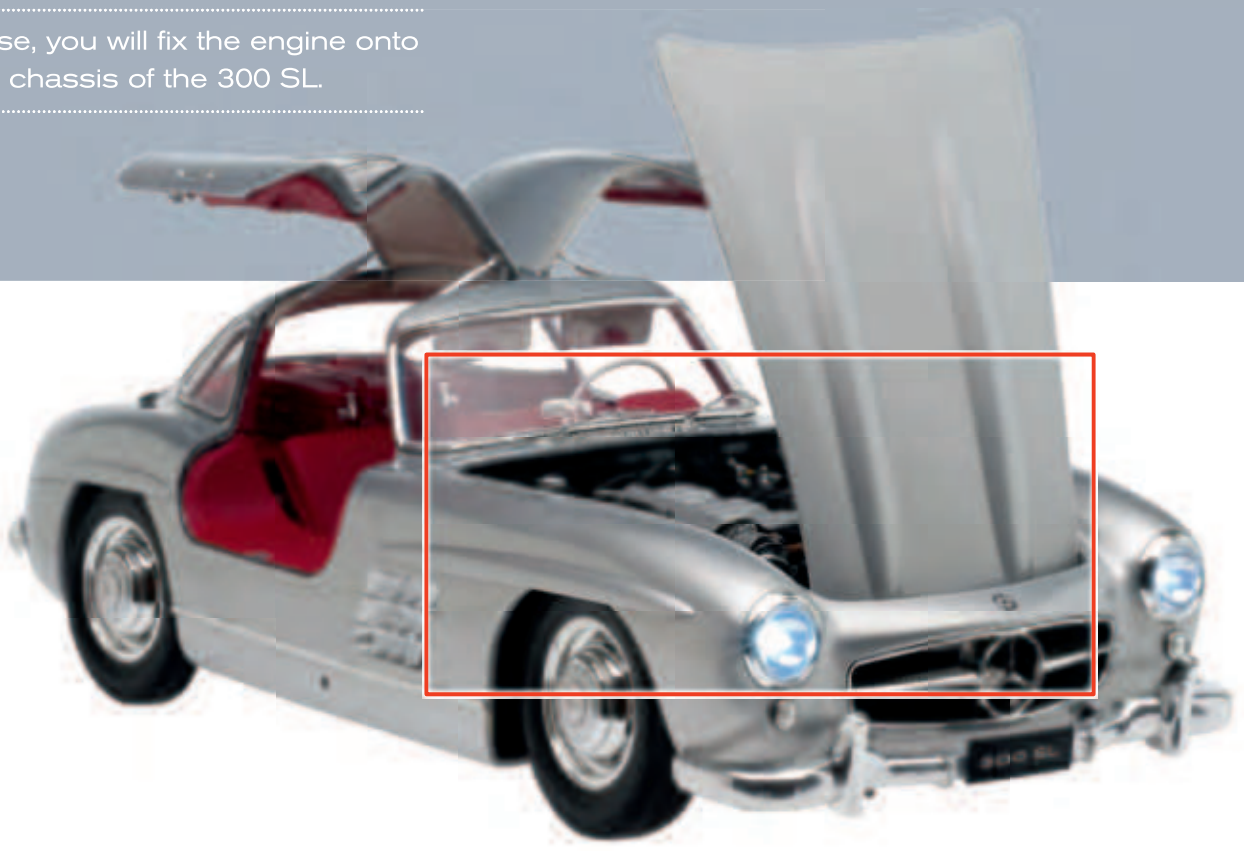
05 ASSEMBLING THE CLUTCH HOUSING

The clutch housing 13E is positioned as shown, between the gear shift housing and the crankcase 06A. Fix the part in place with two **MM** screws.



The self-tapping screws create their own thread when they are screwed in. For a perfect thread, first screw in halfway and then remove the screw. Remove all the shavings and then insert and tighten the screw all the way in, holding the screwdriver tightly and applying firm pressure.

In this phase, you will fix the engine onto the tubular chassis of the 300 SL.



PHASE 14 – REQUIRED PARTS

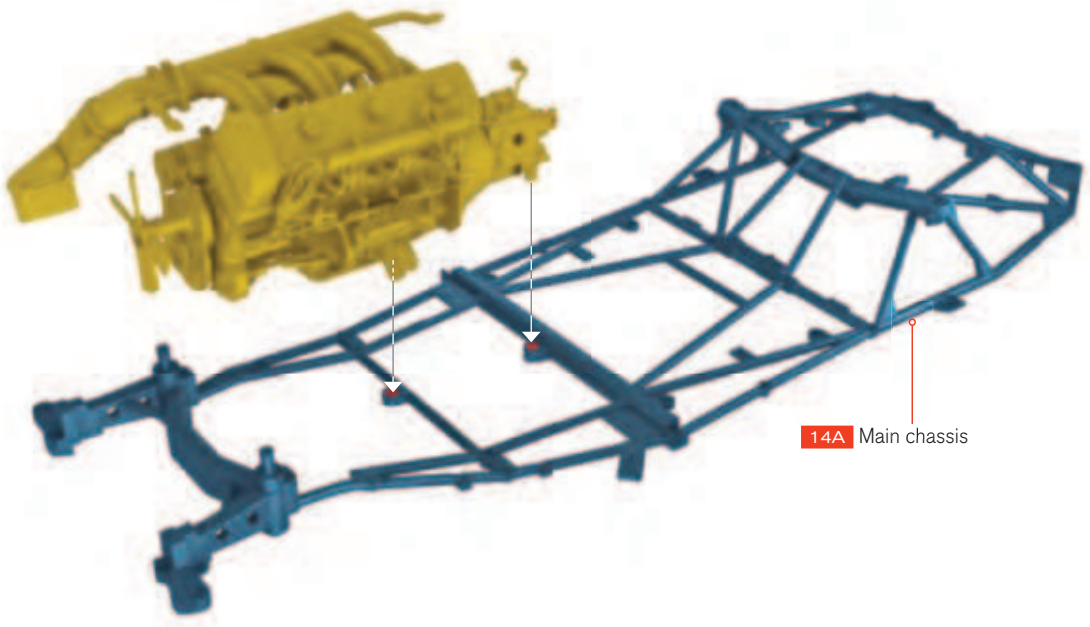
Code	Name	Quantity	Material
14A	Main chassis	1	Zinc
QM	Screws 0.10 x 0.19in (2.6 x 5mm)	2 + 1*	Iron

* Replacement screws included

14A Main chassis

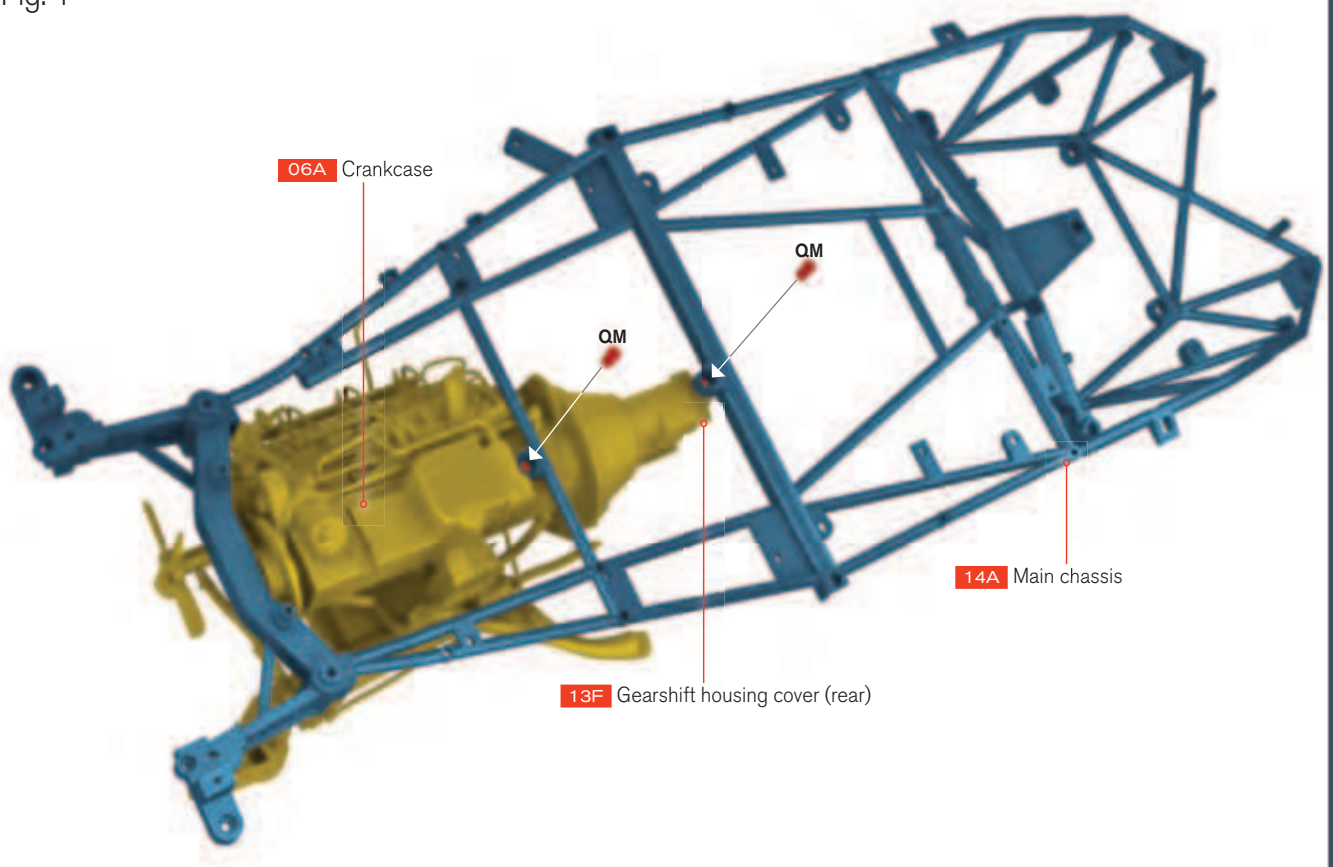
01 FITTING THE ENGINE TO THE TUBULAR CHASSIS

This installment explains how to assemble the complete engine group from phase 13 with the front part of the main chassis 14A. First, the motor is placed on the chassis as shown in the picture. Hold both pieces in this position and turn the assembly upside down. Next, one **QM** screw is inserted in the rear hole of the crankcase 06A and another in the hole in the rear end of the gearshift housing cover 13F (see figure 1).



To avoid scratches, it is recommended that you place the chassis on a soft cloth before starting. Be very careful when turning the assembly over, to avoid damaging any of the parts.

Fig. 1

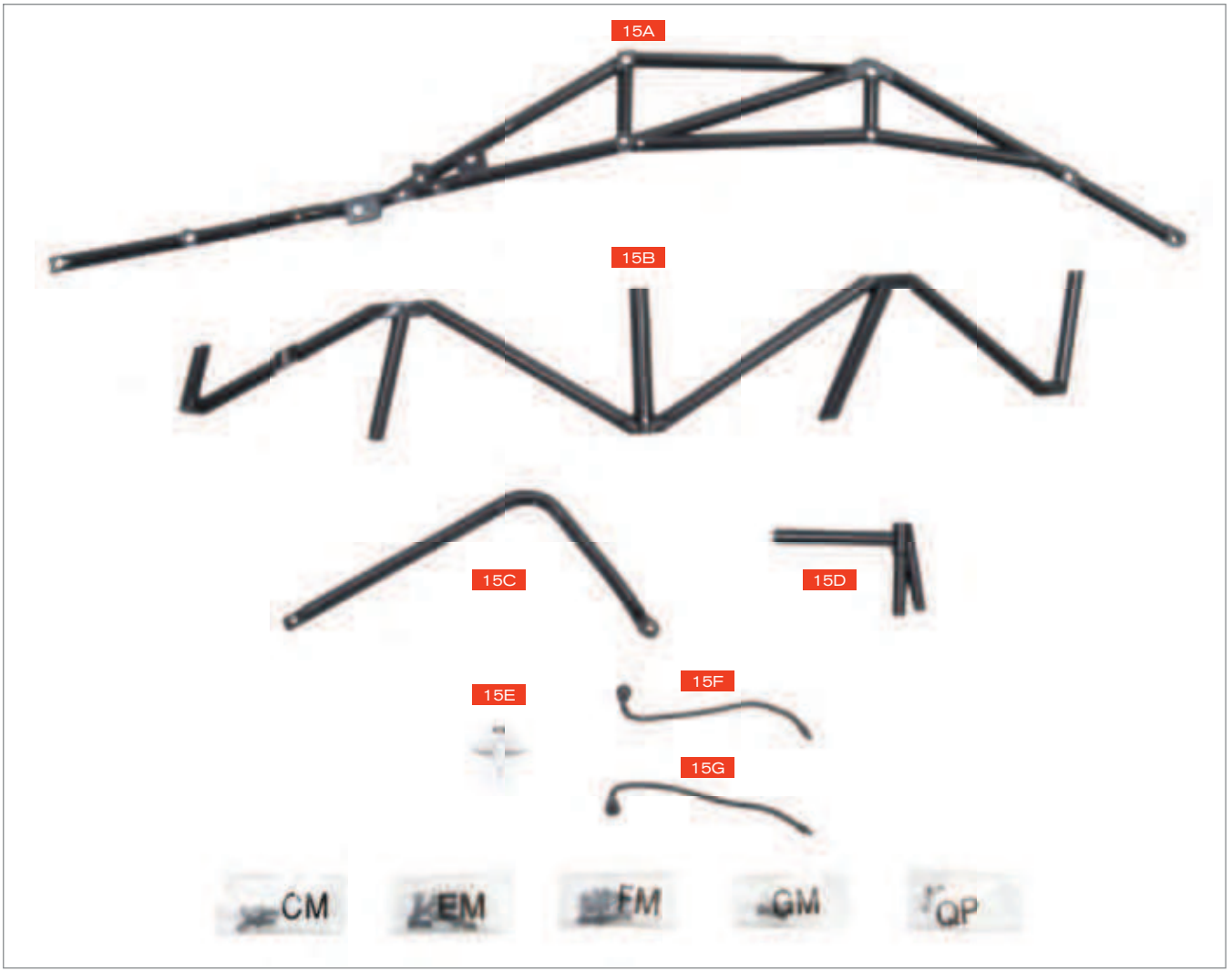


In this phase, you will join the four pieces of the left frame to the main chassis. You will also assemble the fuel filter and the fuel lines.

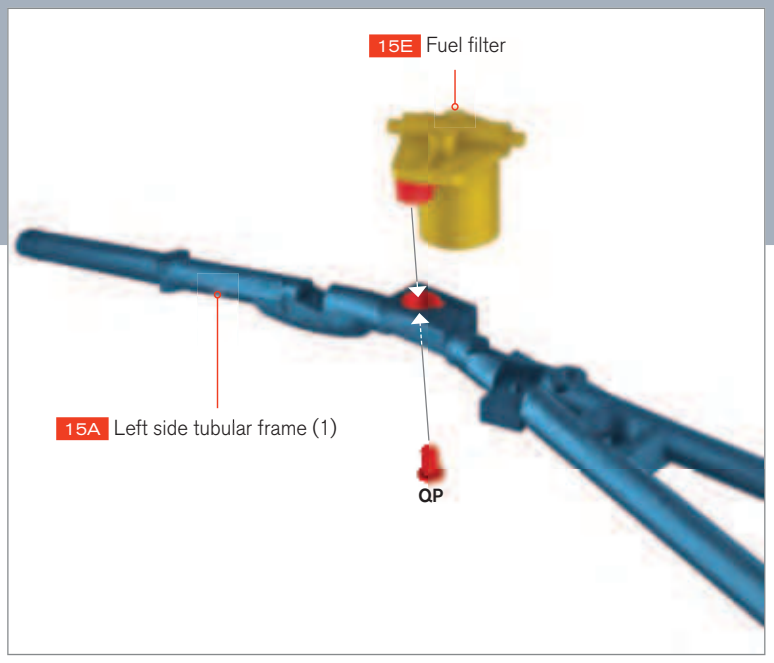
PHASE 15 – REQUIRED PARTS

Code	Name	Quantity	Material
15A	Left side tubular frame (1)	1	Zinc
15B	Left side tubular frame (2)	1	Zinc
15C	Left side tubular frame (3)	1	Zinc
15D	Left side tubular frame (4)	1	Zinc
15E	Fuel filter	1	ABS
15F	Fuel line (1)	1	ABS
15G	Fuel line (2)	1	ABS
CM	Screws 0.07 x 0.15in (2 x 4mm)	3 + 1*	Iron
EM	Screws 0.07 x 0.19in (2 x 5mm)	5 + 1*	Iron
FM	Screws 0.07 x 0.23in (2 x 6mm)	5 + 1*	Iron
GM	Screws 0.07 x 0.27in (2 x 7mm)	1 + 1*	Iron
QP	Screws 0.07 x 0.11in (2 x 3mm)	1 + 1*	Iron

* Replacement screws included



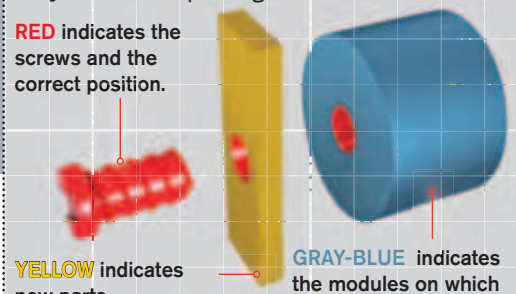
01 ASSEMBLING THE FUEL FILTER



COLOR CODING

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

RED indicates the screws and the correct position.

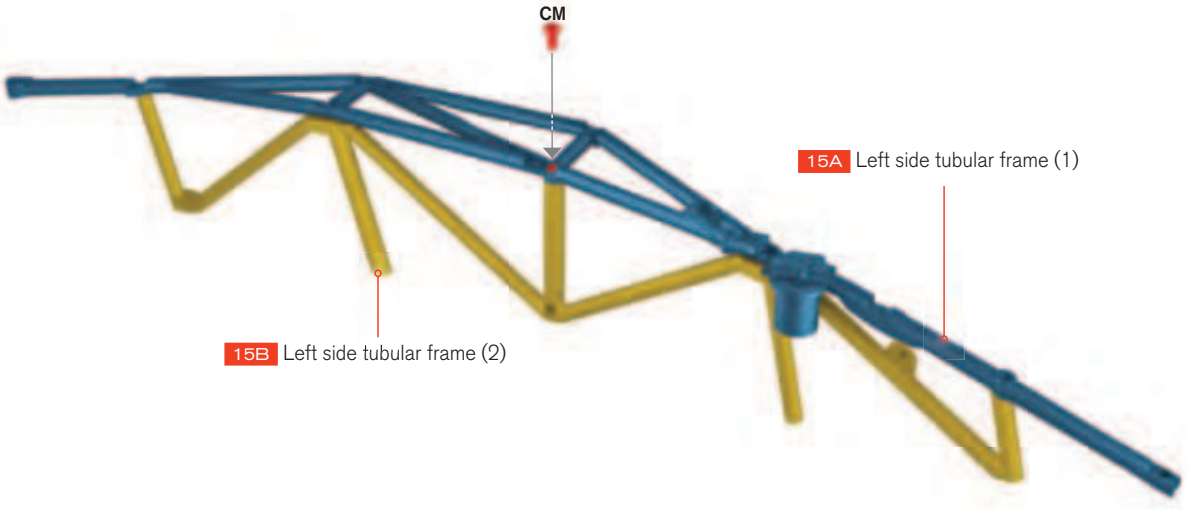


YELLOW indicates new parts.

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

There is a small stud under the fuel filter 15E. Fit it into the corresponding hole in the front of the left side tubular frame (1) 15A, as shown in the figure. These two parts are to be fixed with a **QP** screw.

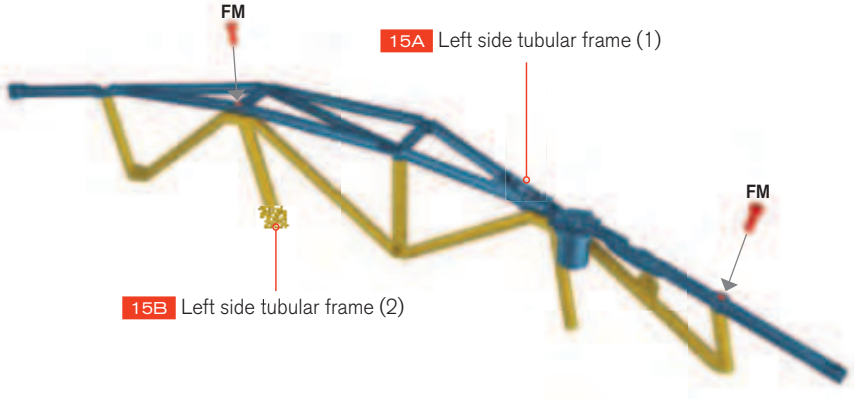
02 ASSEMBLING LEFT FRAME (1) TO LEFT FRAME (2)



The left side tubular frame (2) 15B is positioned as illustrated, pointing towards left frame (1) 15A. The center cross member of left frame (2) 15B is positioned onto left frame (1) 15A, as shown in the picture, and both parts are joined with a **CM** screw.

The front cross member of left frame (2) 15B is placed vertically under the screw hole that is about 1.4in (35mm) from the front end of frame (1) 15A. Secure both parts with an **FM** screw. The screw hole at the center of the vertex of the rear triangle of frame (2) 15B fits into the socket which is about 3.5in (87mm) from the rear end of frame (1) 15A. Fix both parts with an **FM** screw (figure 1).

Fig. 1



Both parts of the chassis must be carefully examined before assembly, to ensure a proper fit.

03 FITTING LEFT FRAME (3)

Left frame (3) 15C is positioned onto left frame (1) 15A as shown in the picture. The apex of left frame (3) 15C is screwed to frame (1) 15A by inserting an **EM** screw from above. The back end of frame (3) 15C is fixed to frame (1) 15A with a **CM** screw (figure1). The other end of frame (3) 15C is fixed to the bottom of frame (2) upright 15B with an **EM** screw (figure 1).

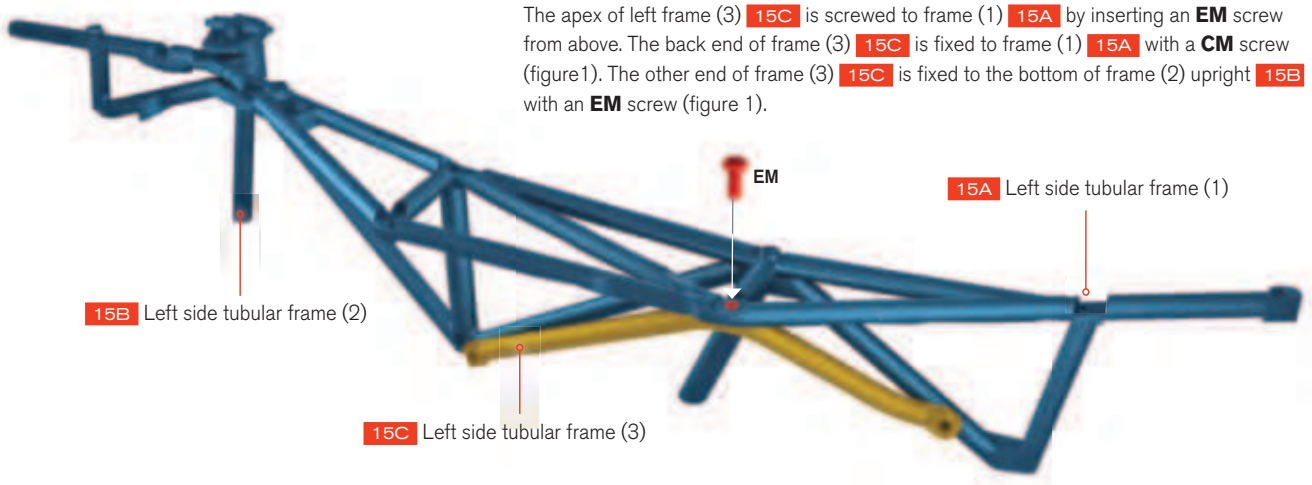
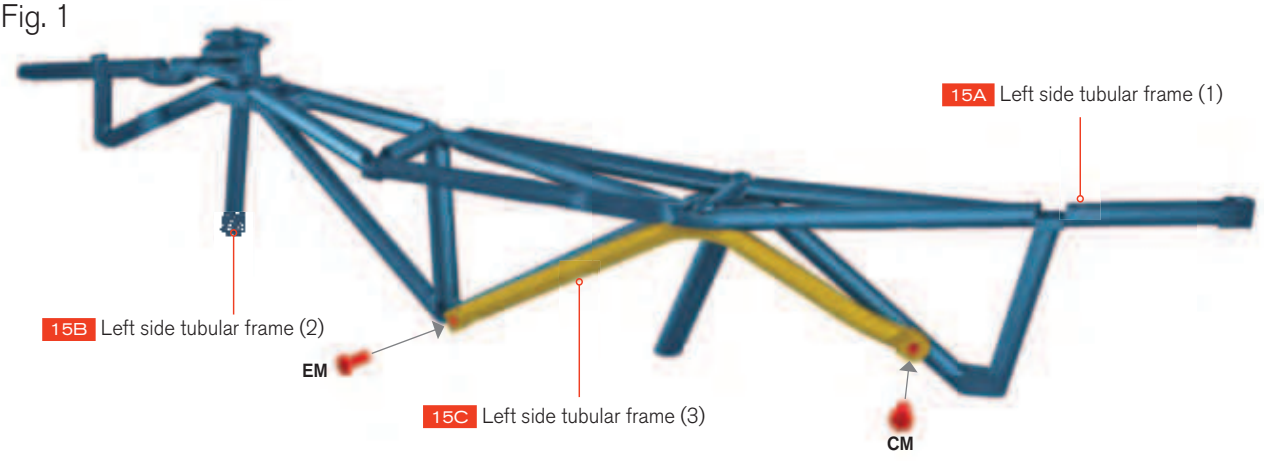


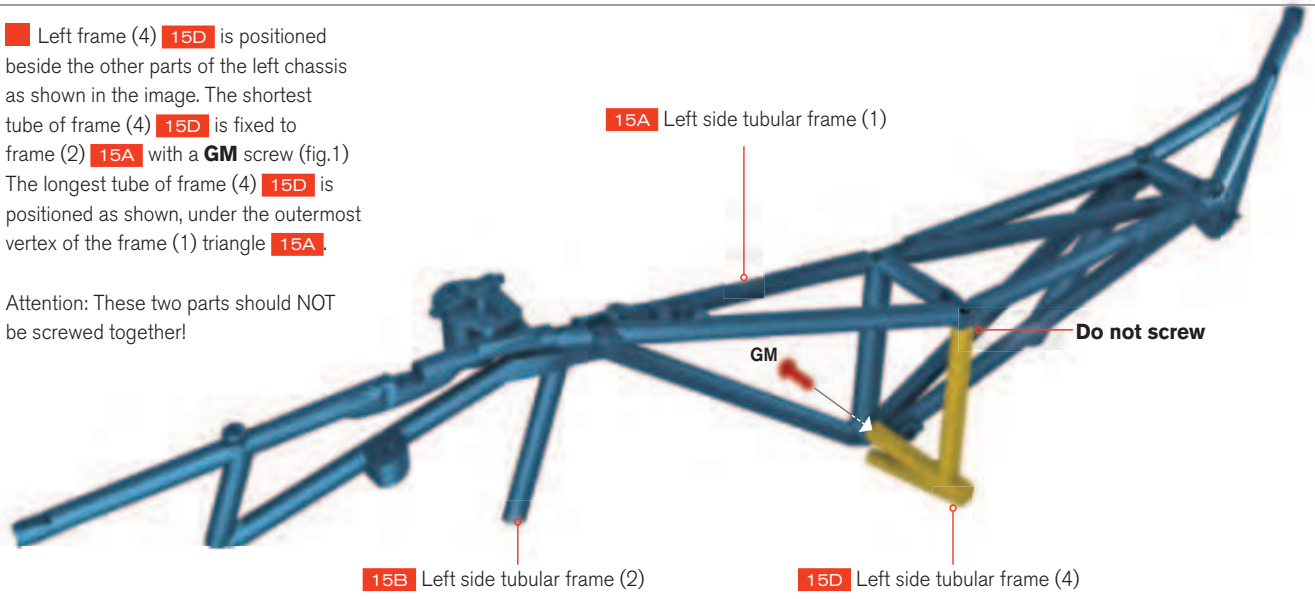
Fig. 1



04 ASSEMBLING LEFT FRAME (4)

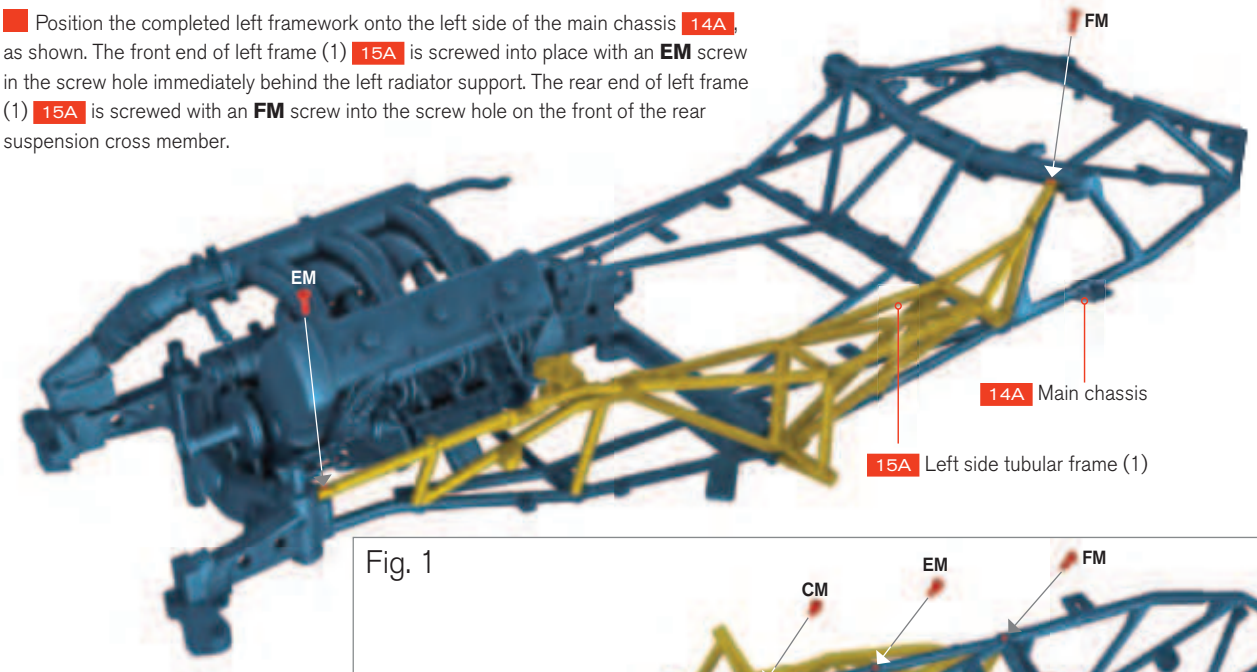
Left frame (4) 15D is positioned beside the other parts of the left chassis as shown in the image. The shortest tube of frame (4) 15D is fixed to frame (2) 15A with a **GM** screw (fig.1) The longest tube of frame (4) 15D is positioned as shown, under the outermost vertex of the frame (1) triangle 15A.

Attention: These two parts should NOT be screwed together!



05 JOIN THE LEFT FRAMEWORK TO THE MAIN CHASSIS

Position the completed left framework onto the left side of the main chassis 14A, as shown. The front end of left frame (1) 15A is screwed into place with an **EM** screw in the screw hole immediately behind the left radiator support. The rear end of left frame (1) 15A is screwed with an **FM** screw into the screw hole on the front of the rear suspension cross member.



Turn the model over to see it from below. Now you can screw left frame (2) 15B to the main chassis 14A as shown in the figure. Start at the front end and screw in the **FM**, **EM**, **CM**, **EM**, **FM** screws one after another (figure 1).

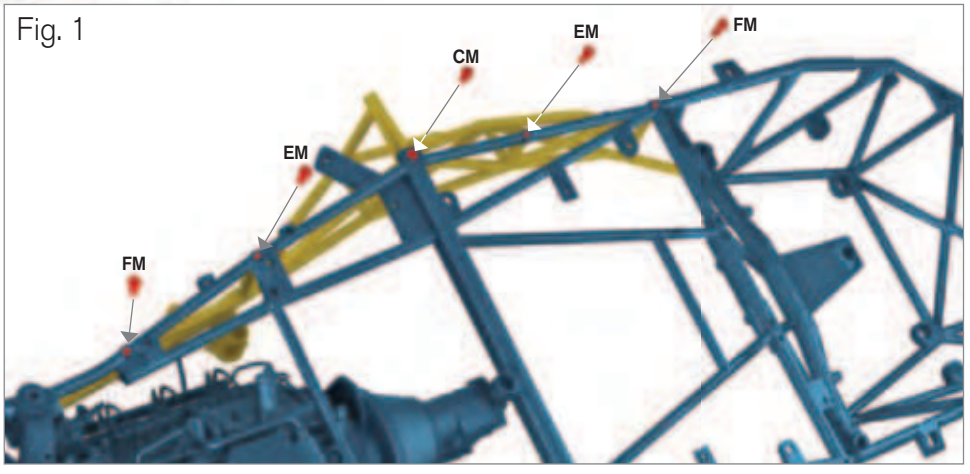
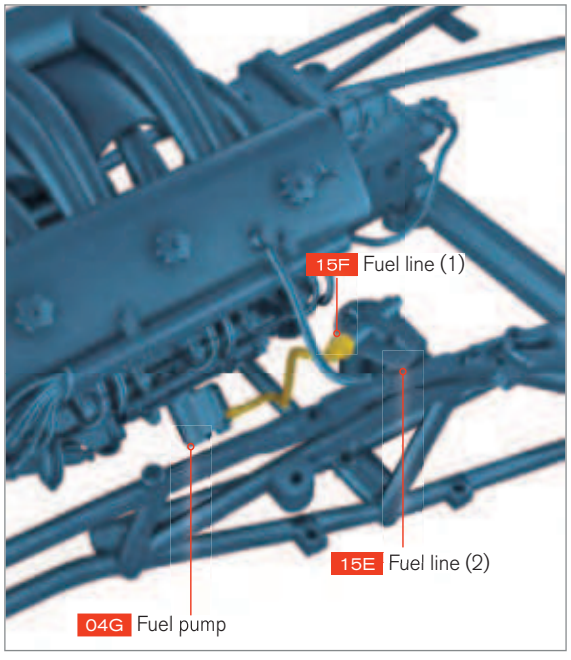


Fig. 1

06 CONNECTING THE FUEL LINES



The semicircular fitting at one end of fuel line (1) 15F is inserted onto the protrusion at the rear of the fuel filter 15E. The other end of the tube fits as shown into the socket on the fuel pump 04G. The semicircular fitting at one end of fuel line (2) 15G is inserted onto the protrusion at the front of the fuel filter 15E. The other end of fuel line (2) 15G fits as shown into the other socket on the fuel pump 04G (figure 1).

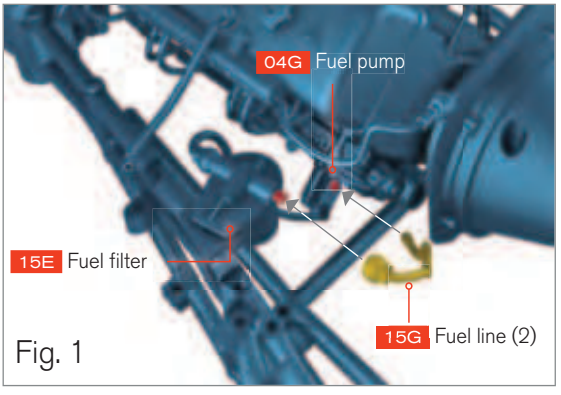


Fig. 1

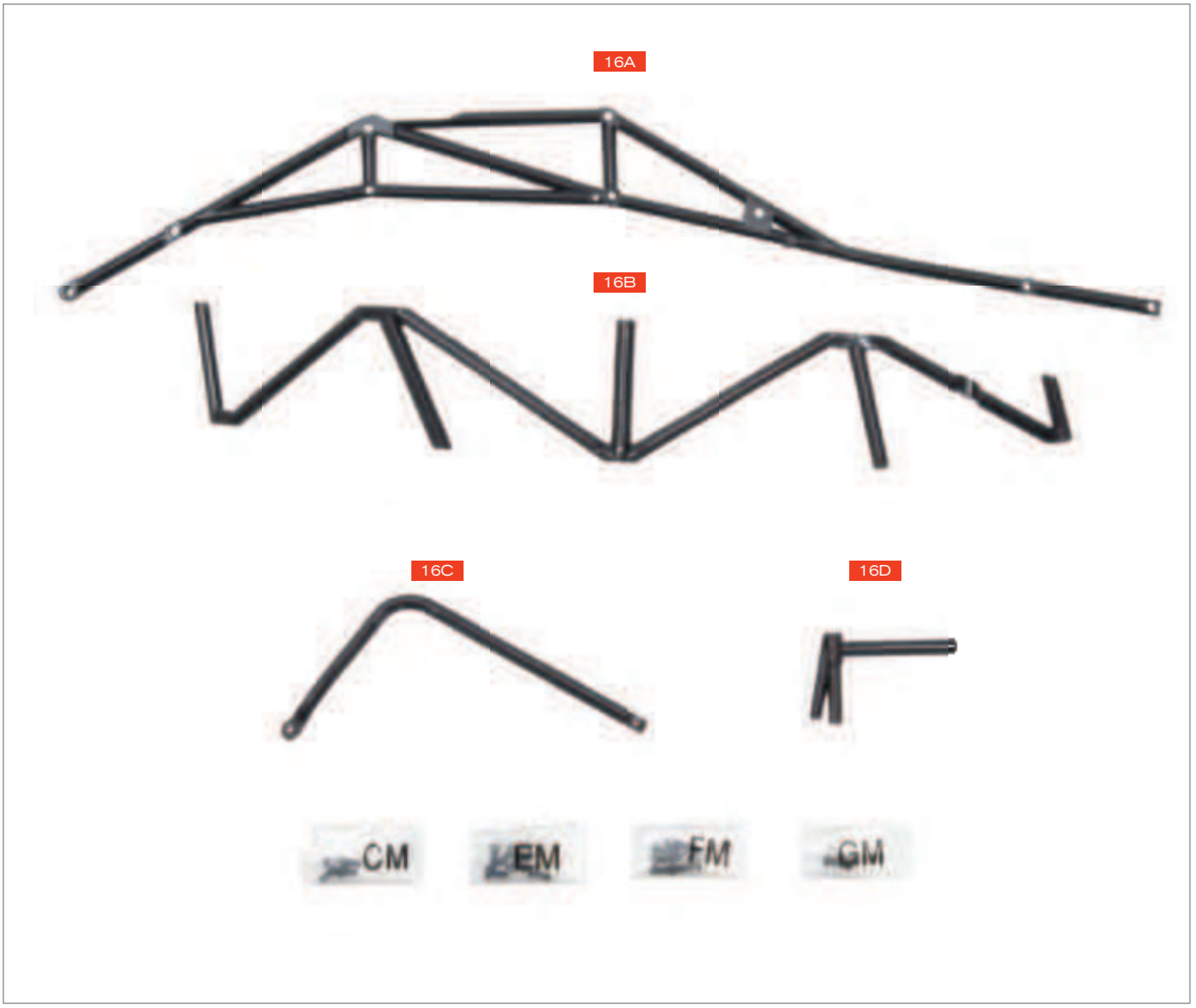
When assembling the chassis, it is a good idea to put a piece of soft cloth underneath to protect the parts from being damaged.

In this phase, you will join the four pieces of the right frame to the main chassis.

PHASE 16 – REQUIRED PARTS

Code	Name	Quantity	Material
16A	Right side tubular frame (1)	1	Zinc
16B	Right side tubular frame (2)	1	Zinc
16C	Right side tubular frame (3)	1	Zinc
16D	Right side tubular frame (4)	1	Zinc
CM	Screws 0.07 x 0.15in (2 x 4mm)	3 + 1*	Iron
EM	Screws 0.07 x 0.19in (2 x 5mm)	5 + 1*	Iron
FM	Screws 0.07 x 0.23in (2 x 6mm)	5 + 1*	Iron
GM	Screws 0.07 x 0.27in (2 x 7mm)	1 + 1*	Iron

* Replacement screws included



01 JOIN RIGHT FRAME (1) TO RIGHT FRAME (2)

Right side tubular frame (2) 16B is positioned onto right side tubular frame (1) 16A as shown in the picture. The center cross member of right frame (2) 16B is positioned over the central screw hole of right frame (1) 16A, as shown in the picture. Join both parts with a **CM** screw.

The front cross member of right side tubular frame (2) 16B is placed vertically under the screw hole that is about 1.4in (35mm) from the end of frame (1) 16A. Fix both parts with an **FM** screw. The screw hole at the center of the vertex of the rear triangle of frame (2) 16B fits into the socket which is about 3.5in (87mm) from the back end of frame (1) 16A. Fix both parts with an **FM** screw (figure 1).

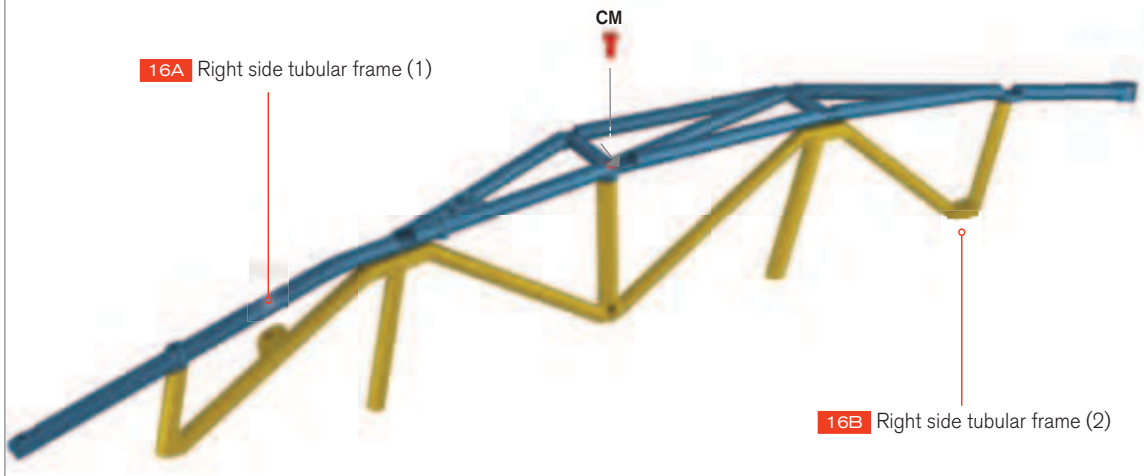
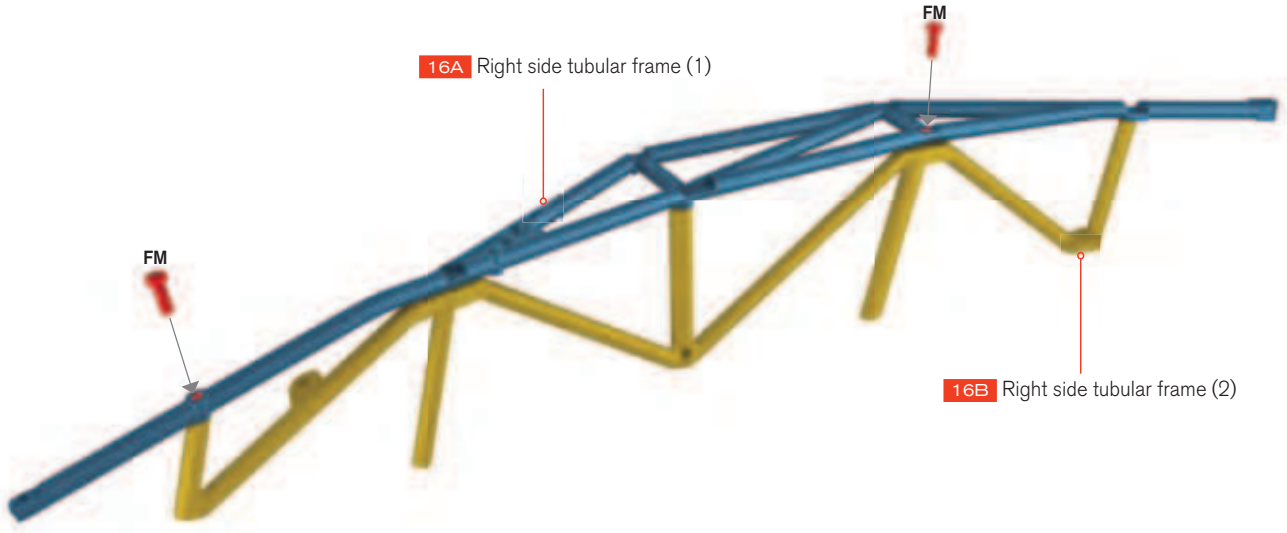


Fig. 1



02 ASSEMBLING THE RIGHT FRAME (3)

Right side tubular frame (3) 16C is positioned onto right side tubular frame (1) 16A as shown in the picture. The apex of frame (3) 16C is screwed to frame (1) 16A with an **EM** screw from above. The back end of frame (3) 16C is fixed to frame (1) 16A with a **CM** screw (fig.1). The other end of frame (3) 16C is attached to the bottom of the frame (2) upright 16B with an **EM** screw (figure 1).

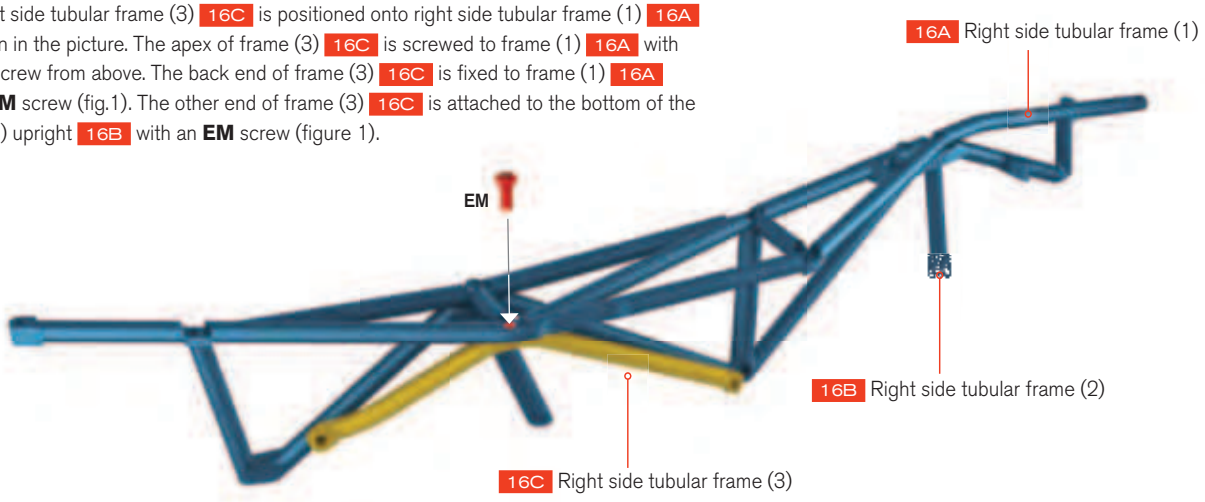
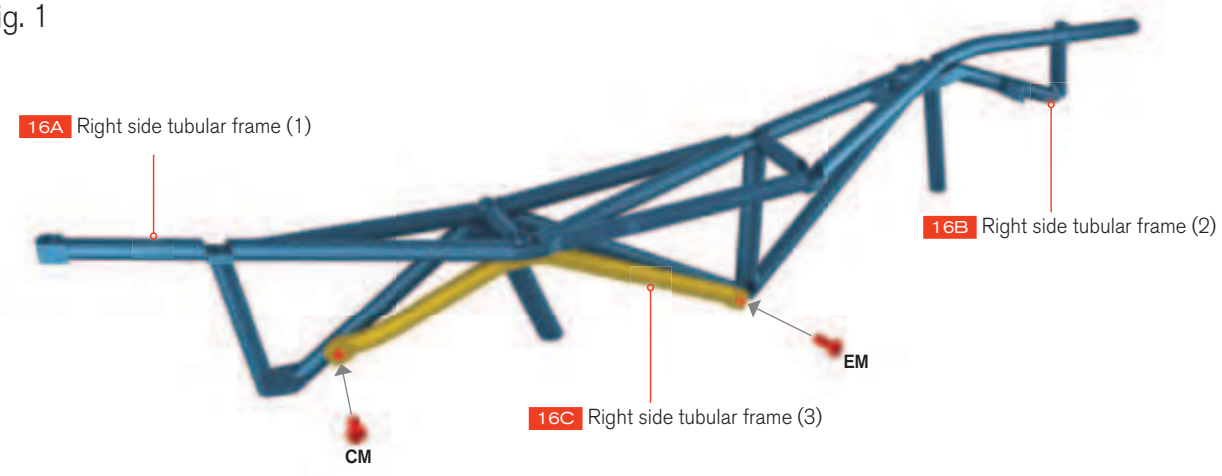


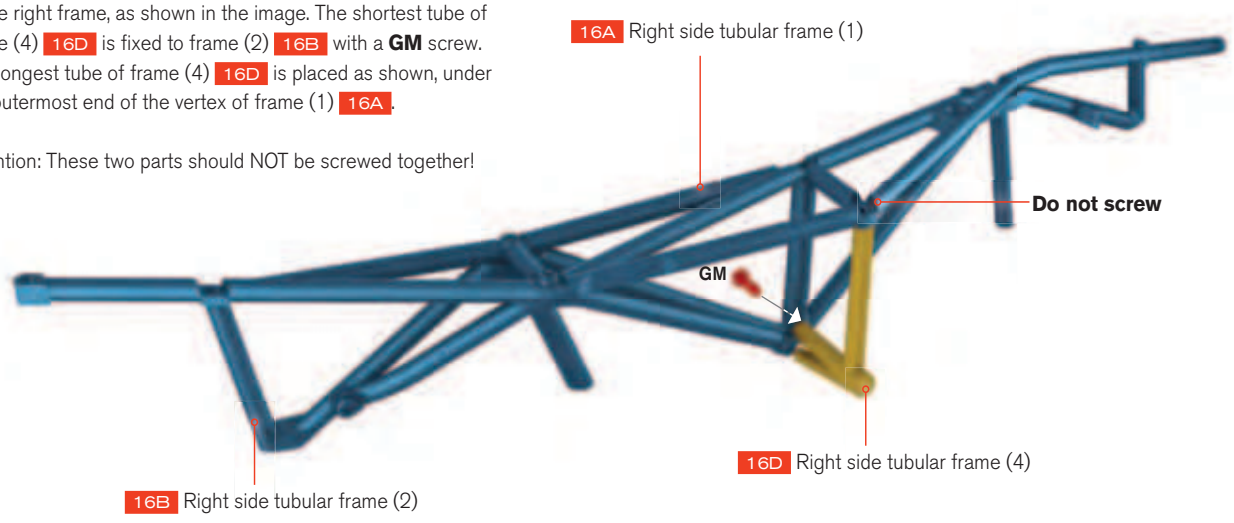
Fig. 1



03 ASSEMBLING THE RIGHT FRAME (4)

Right frame (4) 16D is positioned beside the other parts of the right frame, as shown in the image. The shortest tube of frame (4) 16D is fixed to frame (2) 16B with a **GM** screw. The longest tube of frame (4) 16D is placed as shown, under the outermost end of the vertex of frame (1) 16A.

Attention: These two parts should NOT be screwed together!



04 JOIN THE RIGHT FRAMEWORK TO THE MAIN CHASSIS

Position the completed right framework as shown, onto the right side of the main chassis 14A. The front end of right frame (1) 16A is screwed into place with an **EM** screw in the screw hole immediately behind the right radiator support. The rear end of right frame (1) 16A is screwed together with an **FM** screw into the screw hole on the front of the rear suspension cross member. Now, turn the model over and attach the right side tubular frame (2) 16B to the main chassis 14A. Start at the front end and screw in the **FM**, **EM**, **CM**, **EM**, **FM** screws one after another (figure 1).

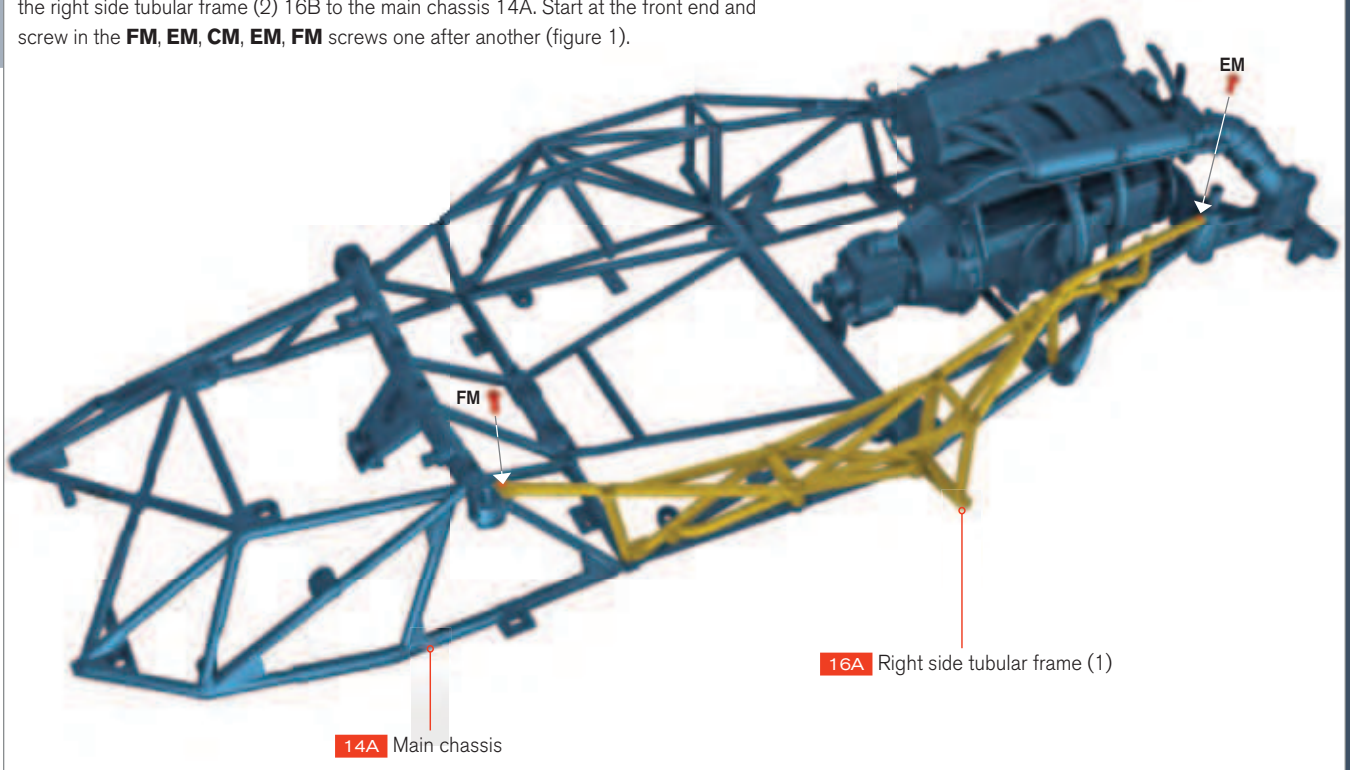
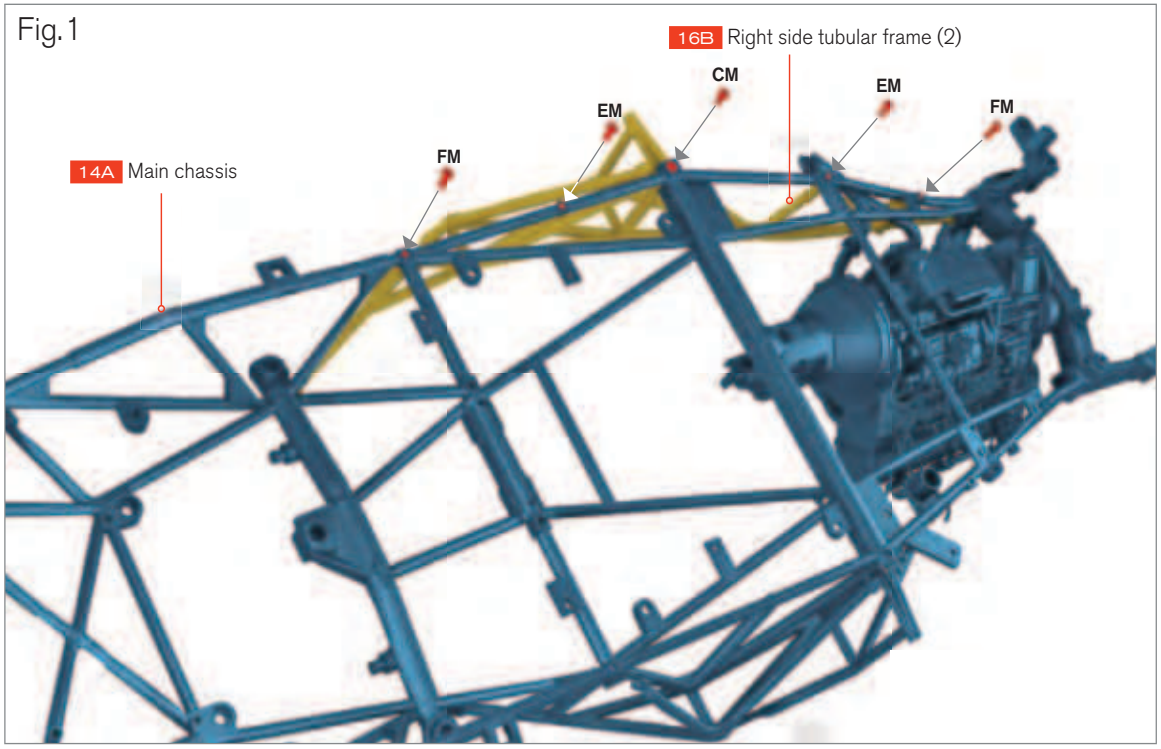


Fig. 1



When the chassis is turned over, be careful to protect the fragile parts at the top of the engine from damage.

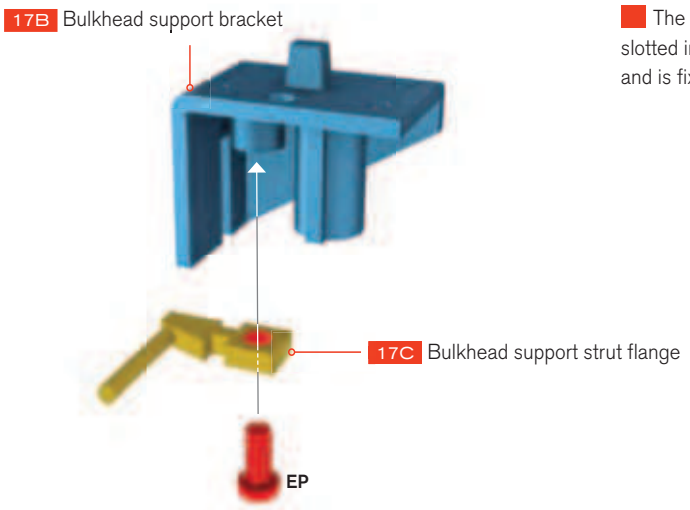
In this phase, you will complete the assembly of the 300 SL's main chassis, with the front and rear frames and other connection elements.

PHASE 17 – REQUIRED PARTS

Code	Name	Quantity	Material
17A	Bulkhead frame	1	Zinc
17B	Bulkhead support bracket	1	ABS
17C	Bulkhead support strut flange	1	ABS
17D	Rear frame	1	Zinc
17E	Bulkhead support strut	1	Zinc
CM	Screws 0.07 x 0.15in (2 x 4mm)	4 + 2*	Iron
EM	Screws 0.07 x 0.19in (2 x 5mm)	2 + 1*	Iron
FM	Screws 0.07 x 0.23in (2 x 6mm)	4 + 2*	Iron
EP	Screws 0.06 x 0.15in (1.7 x 4mm)	1 + 1*	Iron
HP	Screws 0.07 x 0.15in (2 x 4mm)	1 + 1*	Iron

* Replacement screws included

01 ASSEMBLING THE BULKHEAD SUPPORT BRACKET



The support strut flange 17C is slotted into the support bracket 17B and is fixed in place with an **EP** screw.

02 ASSEMBLING THE BULKHEAD SUPPORT

The bulkhead support bracket 17B is fitted onto the screw hole of the upper part of the bulkhead frame 17A, as shown in the image. These parts are fixed together with an **HP** screw (figure 1).

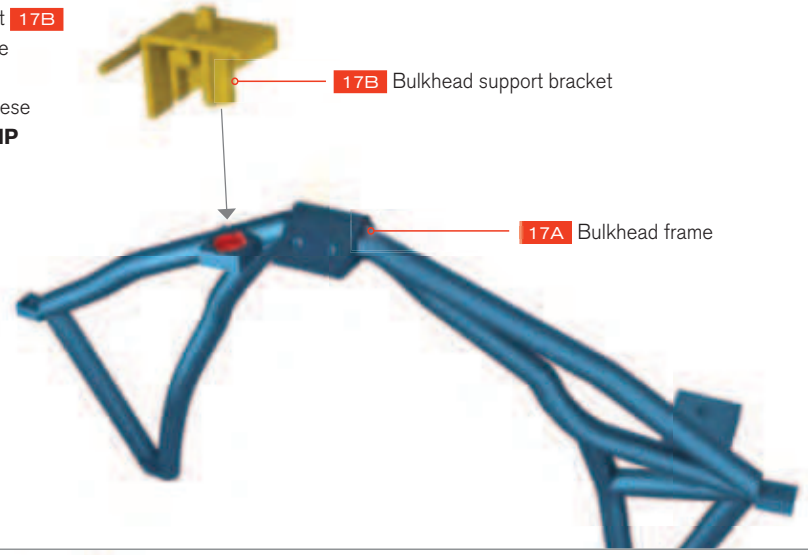
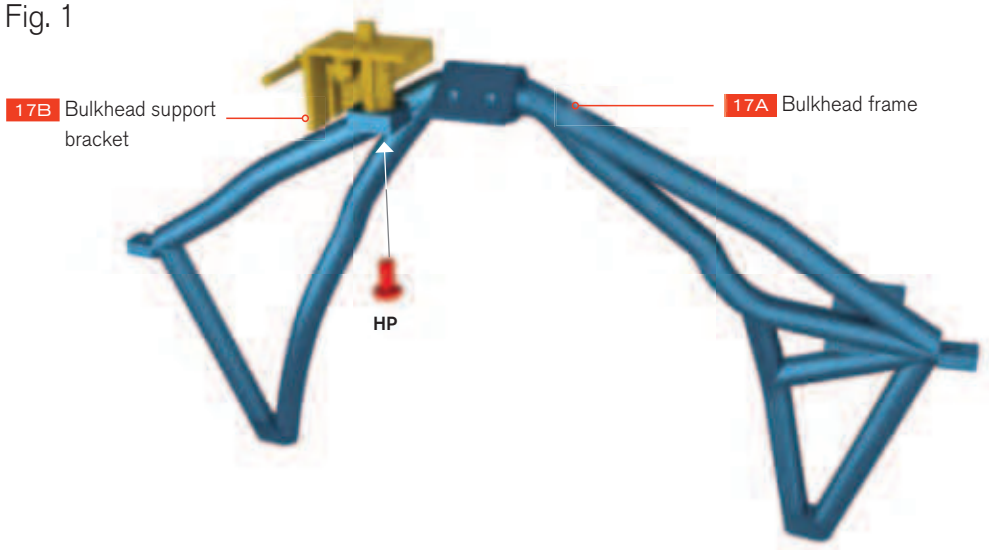


Fig. 1



For screws into plastic, do not over-tighten them. For screws into metal, ensure that they are tightened securely so that the head makes firm contact with the fixing surface.

03 ASSEMBLING THE BULKHEAD FRAME

The bulkhead frame 17A is positioned onto the main chassis 14A and tilted forward behind the engine, as shown in the picture. With a **CM** screw, fix the frame to the left side of chassis (1) 15A, with another screw on right chassis (1) 16A. Next, turn over the entire assembly, and fix both ends of the bulkhead frame 17A to the main chassis 14A with two **FM** screws, as shown (figure 1).

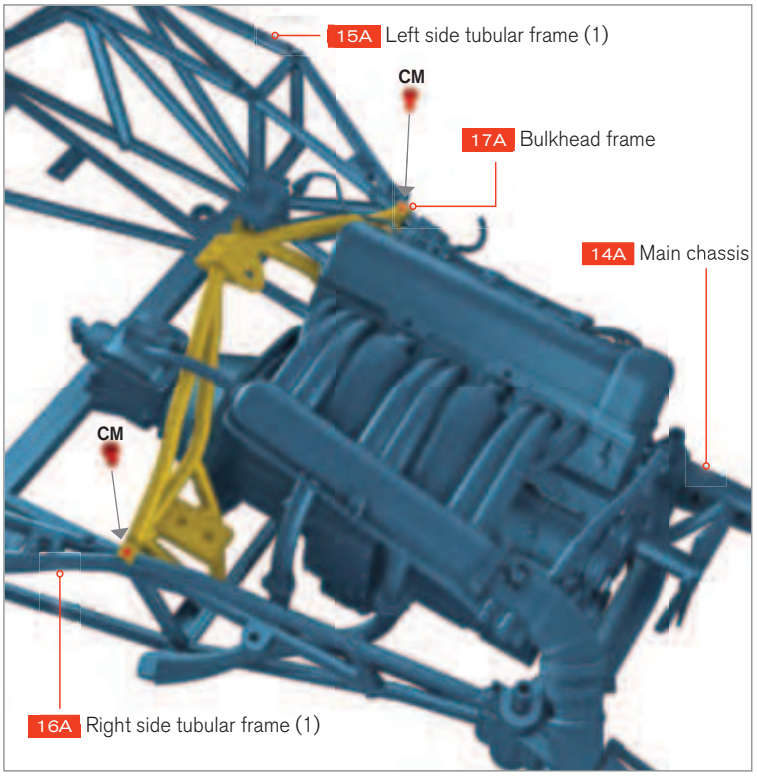
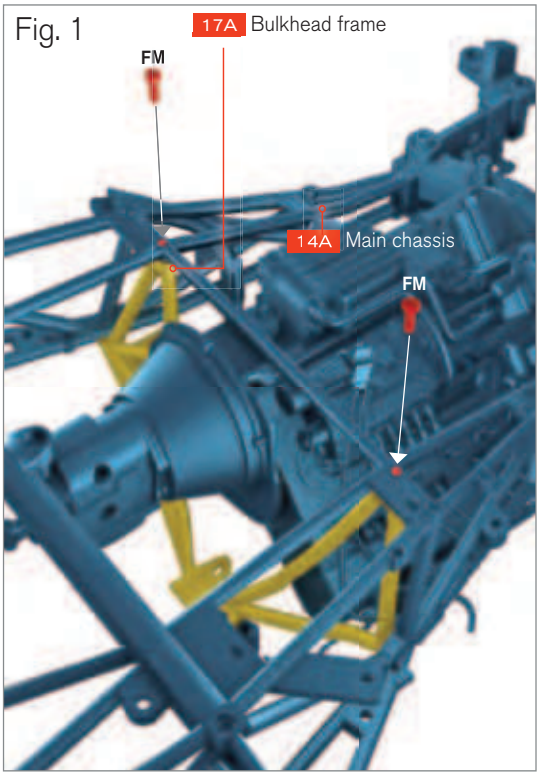


Fig. 1



04 INSTALLING THE BULKHEAD SUPPORT STRUT

The bulkhead support strut 17E is positioned so that the end with the flat surface points towards the front of the engine. The tube slides in from the front end of the engine, below the rear exhaust manifold 07C. It slides back over the high-pressure oil line 12A so that the hole at the end of the tube ends up exactly below the center of the front bulkhead frame 17A. This end of the strut is fixed in place with a **CM** screw. The hole on the opposite end is made to coincide with the hole on the underside of the radiator support, where it is fixed in place with another **CM** screw (figure 1).

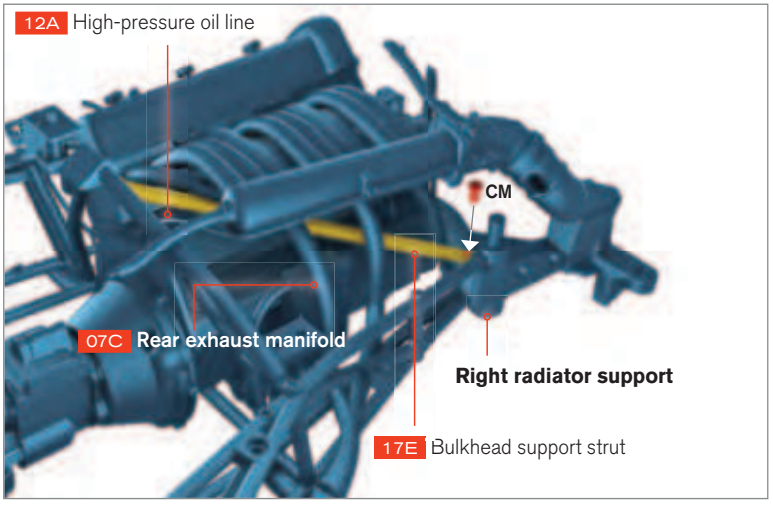
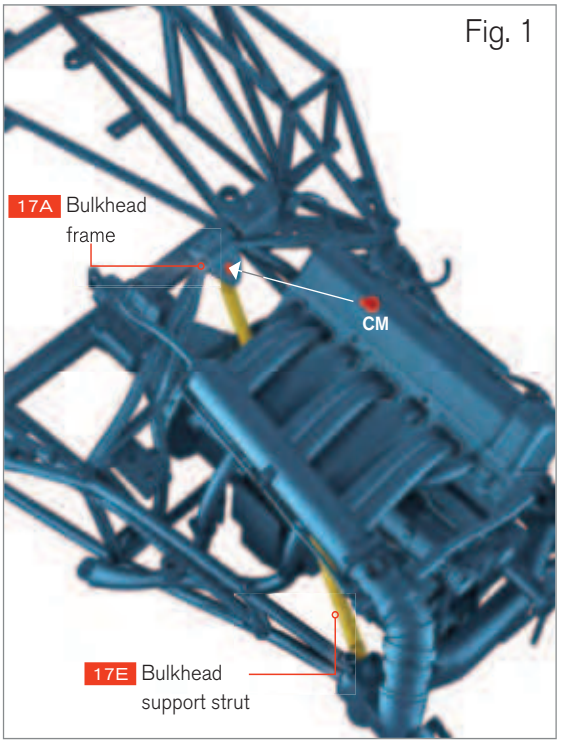
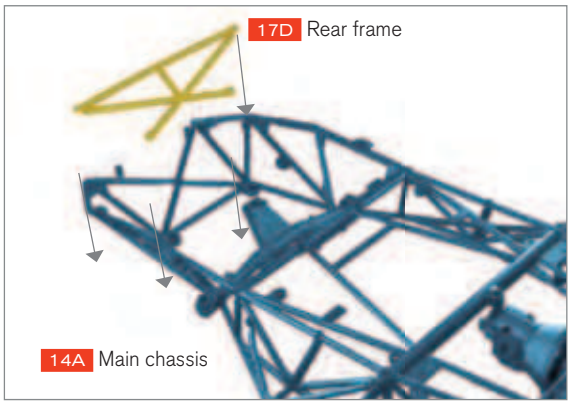


Fig. 1

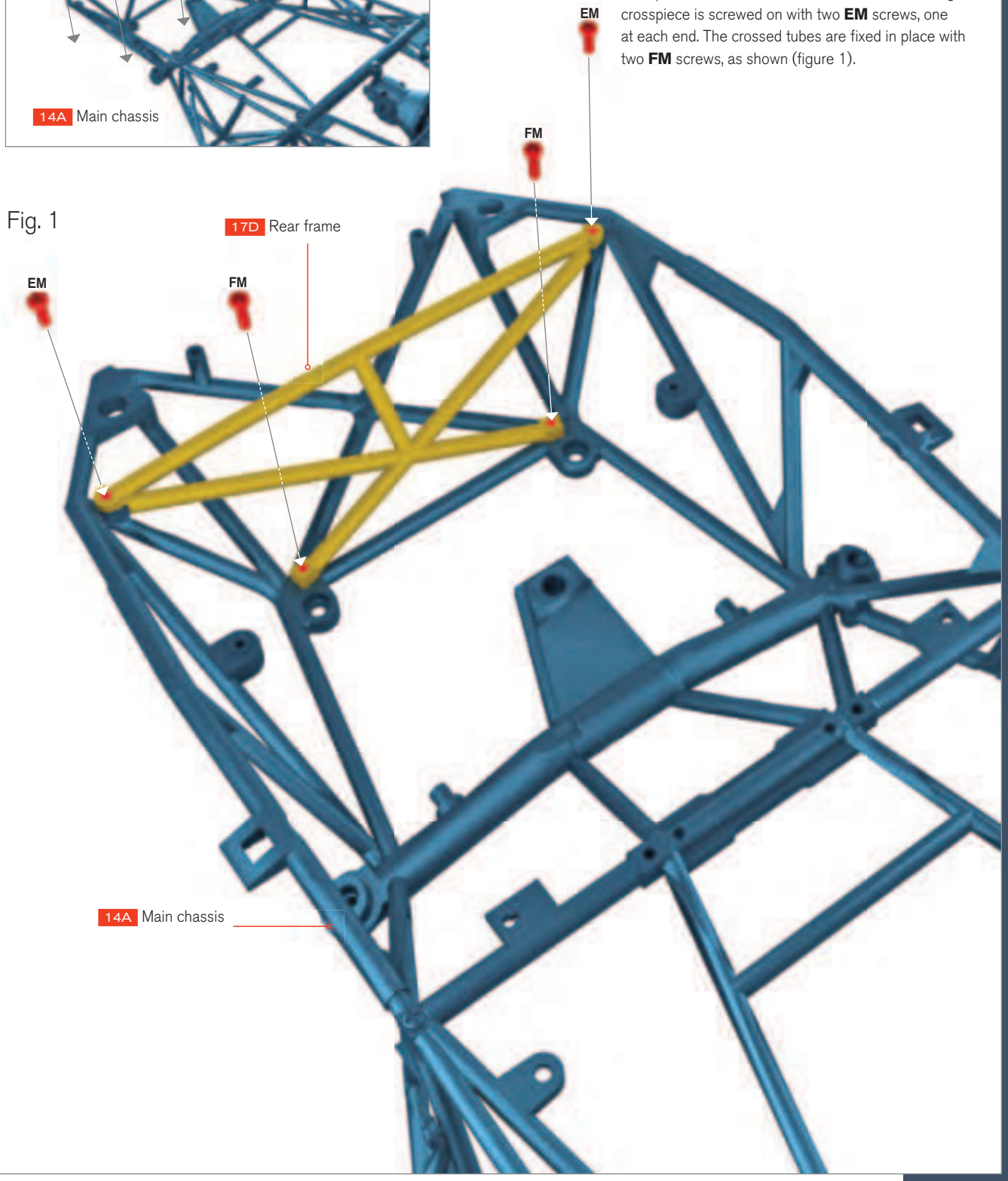


05 ASSEMBLING THE REAR FRAME



Turn the main chassis 14A upside down on the work surface. The rear frame 17D is positioned so that the long crosspiece is at the top and the ends of the intersecting tubes are at the bottom. Next, the part is placed as indicated into the back of the main chassis 14A. The four holes in the rear frame must line up with those in the main chassis. Then the long crosspiece is screwed on with two **EM** screws, one at each end. The crossed tubes are fixed in place with two **FM** screws, as shown (figure 1).

Fig. 1



In this phase, you will assemble and install the left front suspension and shock absorber onto the main chassis.

18A

18B

18C

18D

18E

18F

18G

18H

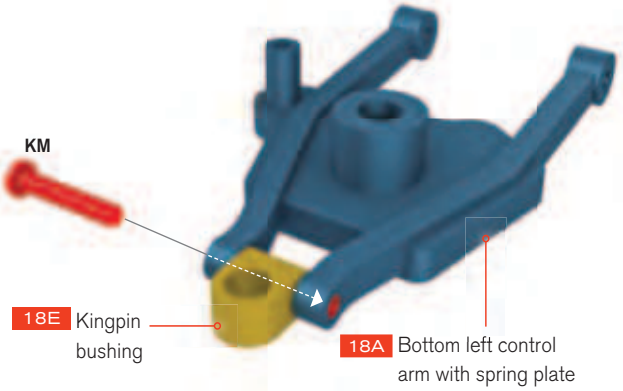
PHASE 18 – REQUIRED PARTS

Code	Name	Quantity	Material
18A	Bottom left control arm with spring plate	1	Zinc
18B	Top left control arm	1	Zinc
18C	Left steering knuckle, spindle and kingpin	1	Zinc
18D	Shock absorber	1	Zinc
18E	Kingpin bushing	2	Zinc
18F	Control arm bushing bottom left	1	Zinc
18G	Control arm bushing top left	1	Zinc
18H	Coil spring front suspension	1	Steel
GM	Screws 0.07 x 0.27in (2 x 7mm)	4 + 2*	Iron
KM	Screws 0.07 x 0.51in (2 x 13mm)	2 + 1*	Iron
LM	Screws 0.9 x 0.11 x 0.25in (2.3 x 3 x 6.5mm)	3 + 1*	Iron
MM	Screws 0.9 x 0.15in (2.3 x 4mm)	3 + 1*	Iron

* Replacement screws included

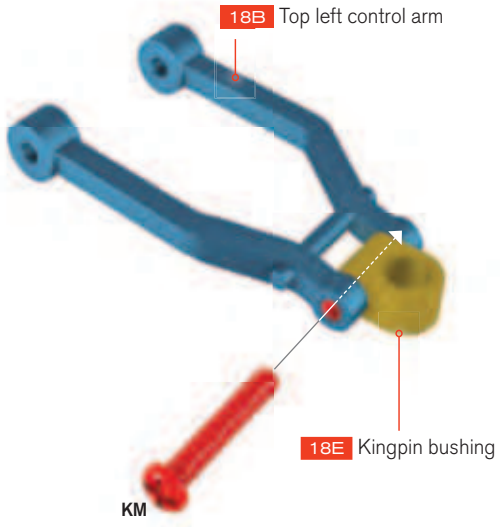
01 INSERTING THE FIRST KINGPIN BUSHING

Position a kingpin bushing 18E between the two closest ends of the bottom left control arm 18A, lining up the holes, as shown in the picture. To hold the pieces in place, insert a **KM** screw through the lined-up holes as indicated, until it reaches the opposite end. Then carefully tighten the **KM** screw.



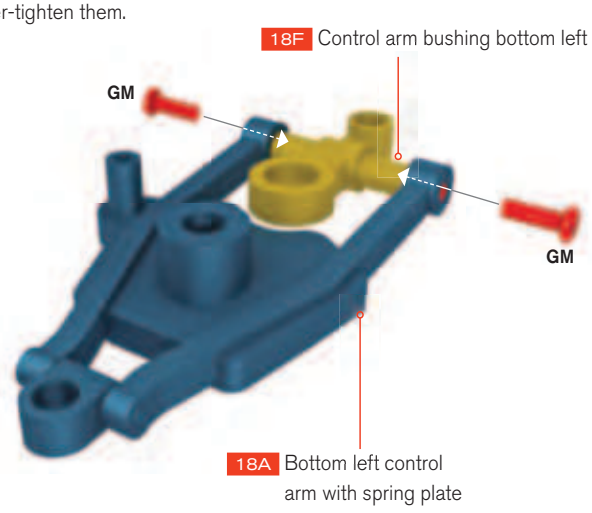
02 THE SECOND KINGPIN BUSHING

The second kingpin bushing 18E is positioned as shown, between the closest ends of the top left control arm 18B. These parts are put together in the same way as before, with a **KM** screw through all the lined-up holes.



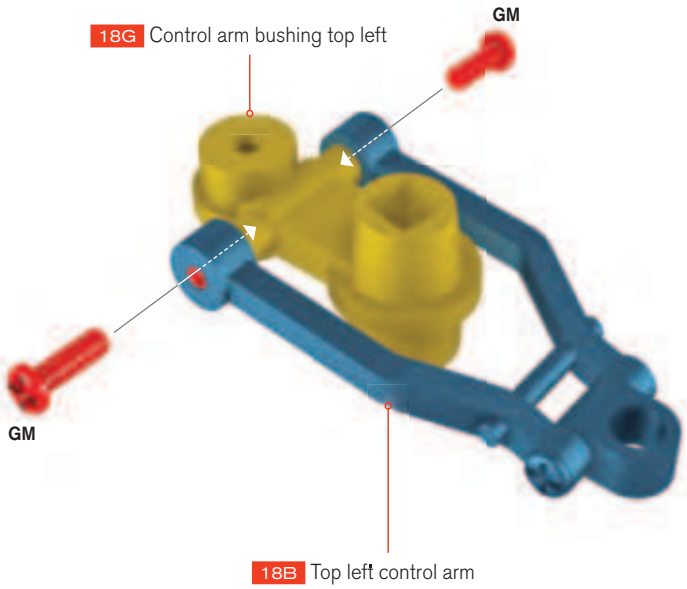
03 BOTTOM LEFT CONTROL ARM BUSHING

The bottom left control arm bushing 18F is positioned as shown in the picture, between the two widest-apart arms of the bottom left control arm 18A. Secure in place with two **GM** screws. Be careful not to over-tighten them.



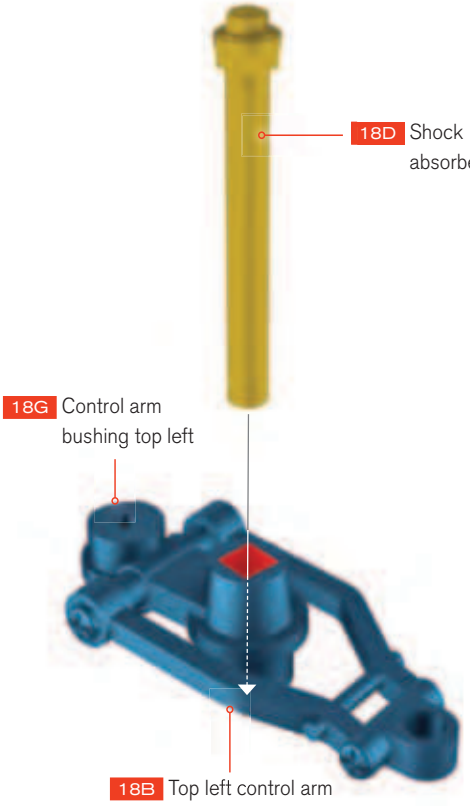
04 TOP LEFT CONTROL ARM BUSHING

The top left control arm bushing 18G is placed as shown in the picture, between the two widest-apart arms of the top left control arm 18B. This too is fixed using two **GM** screws. Do not over-tighten them.



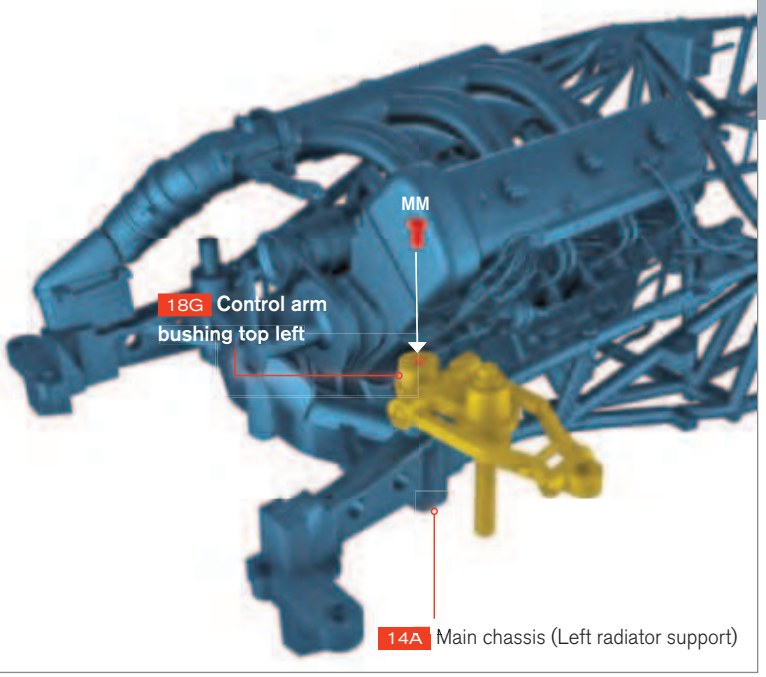
05 SHOCK ABSORBER

Hold the shock absorber 18D as shown and insert the round end through the square hole in the center of the top left control arm bushing 18G until the square part of the shock absorber fits snugly into the square hole of the bushing.



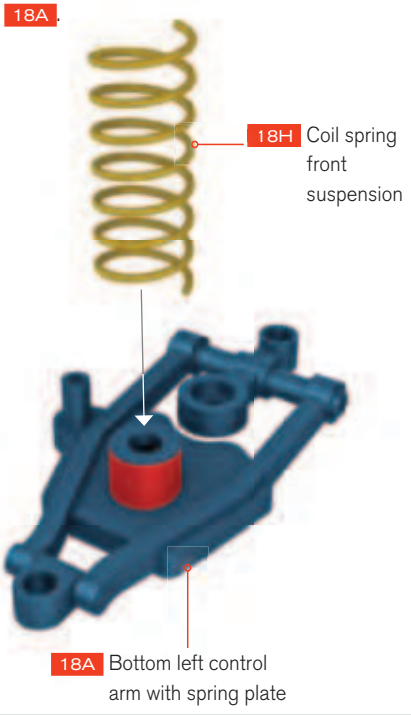
06 ASSEMBLING THE TOP LEFT CONTROL ARM BUSHING

The hole of the upper left control arm bushing 18G fits over the pin at the end of the left front radiator support (part of the main chassis 14A). The bushing is fixed to the radiator support with an **MM** screw.



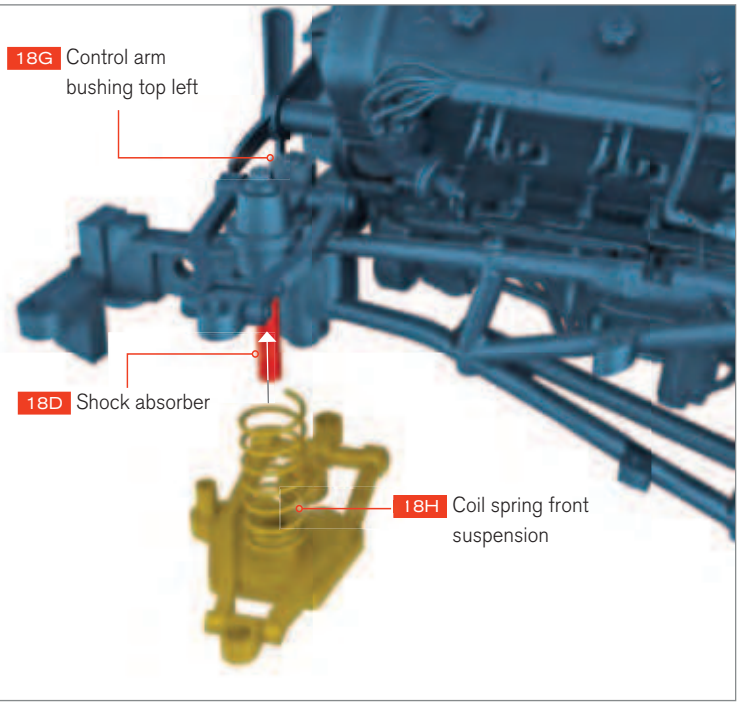
07 FRONT SUSPENSION COIL SPRING

The coil spring 18H is located as shown onto the center housing of the spring plate on the bottom left control arm 18A.



08 FITTING THE SUSPENSION AND SHOCK ABSORBER ONTO THE MAIN CHASSIS

The assembled parts in step 07 are presented up to the top left control arm bushing 18G so that the shock absorber 18D goes inside the coil spring 18H, as indicated in the figure. Next, the bottom control arm bushing 18F is inserted onto the two studs on the underside of the left radiator support on the main chassis 14A. Fix the assembly in place with two **MM** screws (figure 1).



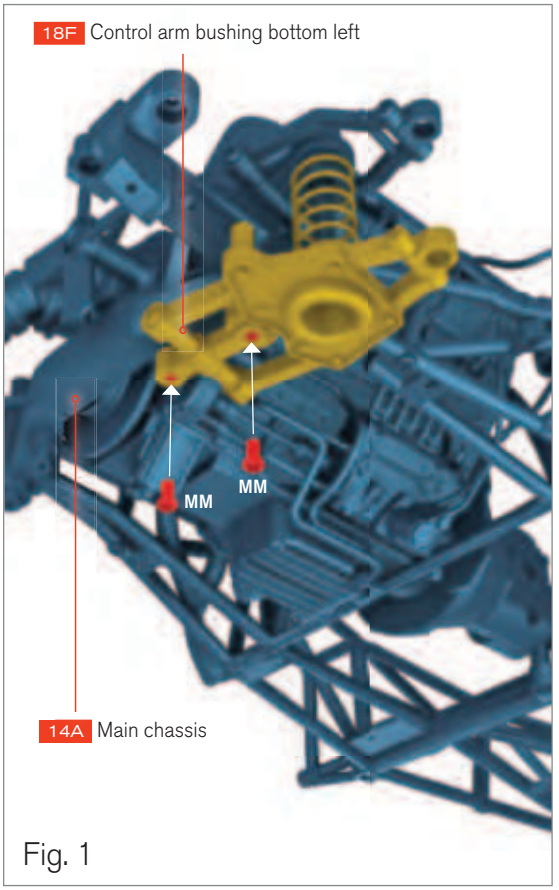
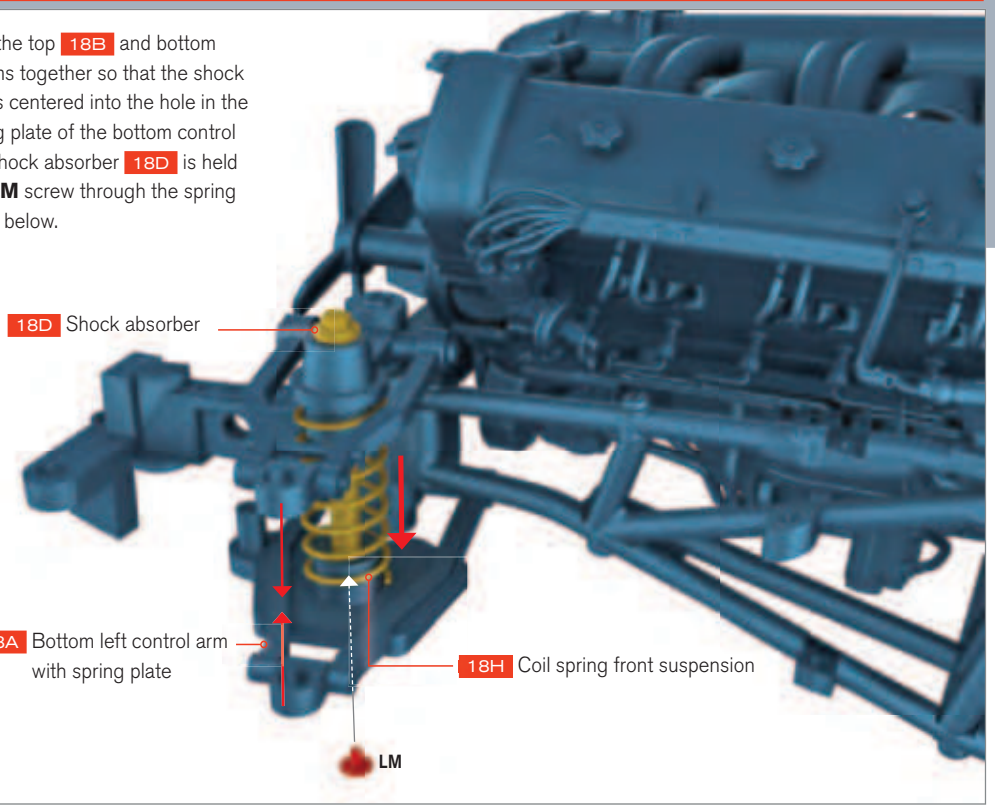


Fig. 1

09 FIXING THE COIL SPRING IN PLACE

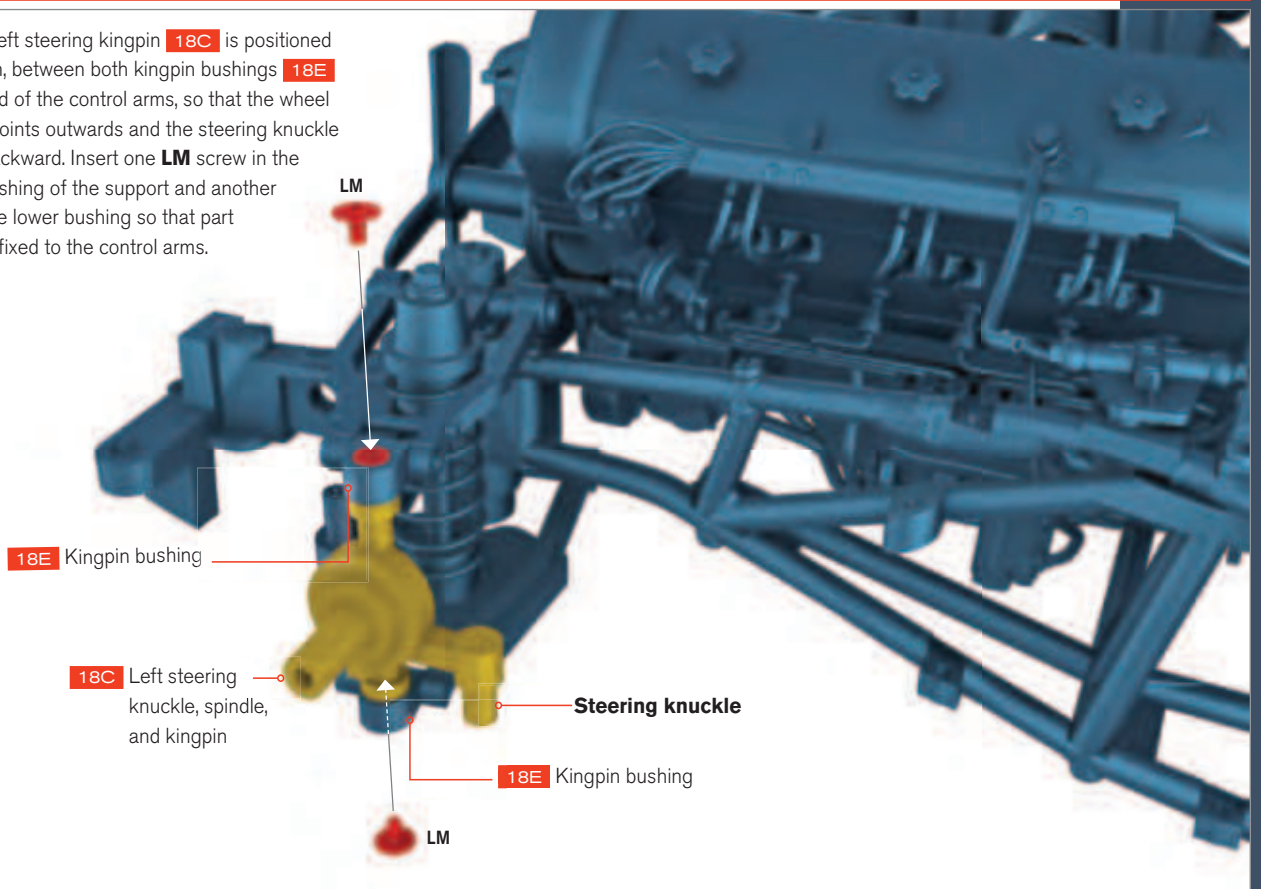
Gently press the top 18B and bottom 18A control arms together so that the shock absorber 18D is centered into the hole in the post on the spring plate of the bottom control arm 18A. The shock absorber 18D is held in place with an **LM** screw through the spring plate 18A, from below.



While tightening the LM screw, keep pressing together both suspension control arms. If needed, get help from someone or use a clamp to keep both control arms in position.

10 LEFT STEERING KNUCKLE, SPINDLE, AND KINGPIN

The left steering kingpin 18C is positioned as shown, between both kingpin bushings 18E at the end of the control arms, so that the wheel spindle points outwards and the steering knuckle points backward. Insert one **LM** screw in the upper bushing of the support and another one in the lower bushing so that part 18C is fixed to the control arms.



Assemble and fit the front right suspension system to the main tubular frame.

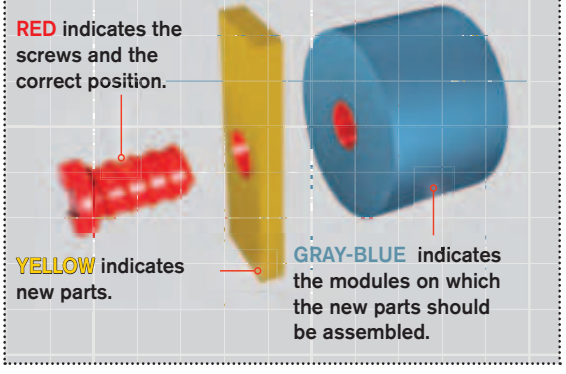
PHASE 19 – REQUIRED PARTS

Code	Name	Quantity	Material
19A	Bottom right control arm with spring plate	1	Zinc
19B	Top right control arm	1	Zinc
19C	Right steering knuckle, spindle, and kingpin	1	Zinc
19D	Shock absorber	1	Zinc
19E	Kingpin bushing	2	Zinc
19F	Control arm bushing bottom right	1	Zinc
19G	Control arm bushing top right	1	Zinc
19H	Coil spring front suspension	1	Steel
GM	Screws 0.07 x 0.27in (2 x 7mm)	4 + 2*	Iron
KM	Screws 0.07 x 0.51in (2 x 13mm)	2 + 1*	Iron
LM	Screws 0.09 x 0.11x 0.25in (2.3 x 3 x 6.5mm)	3 + 1*	Iron
MM	Screws 0.09 x 0.15in (2.3 x 4mm)	3 + 1*	Iron

* Replacement screws included

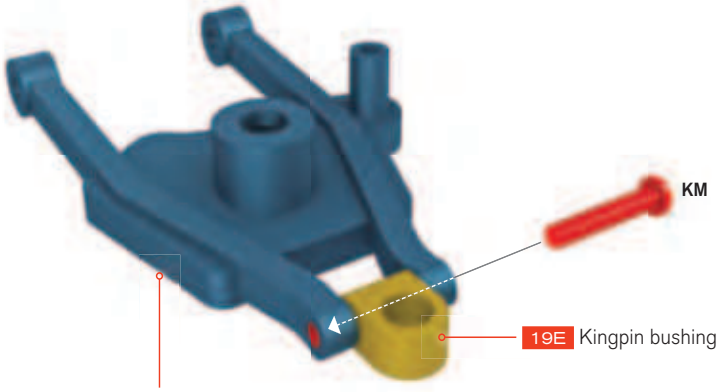
COLOR CODING

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



01 FITTING THE BOTTOM KINGPIN BUSHING

Fit a kingpin bushing 19E between the jaws of the bottom right control arm 19A and fix it in place with a **KM** screw. Note that the screw first slips through one side of the jaw and then threads into the other jaw.

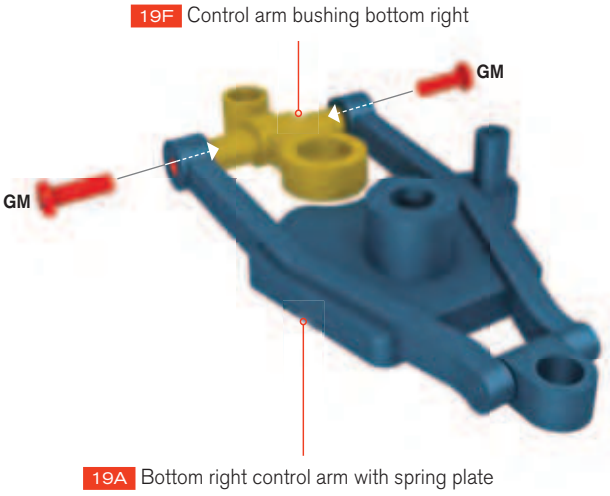


02 FITTING THE TOP KINGPIN BUSHING

Fit the other kingpin bushing between the jaws of the top right control arm 19B and fix it in place with a **KM** screw as before.

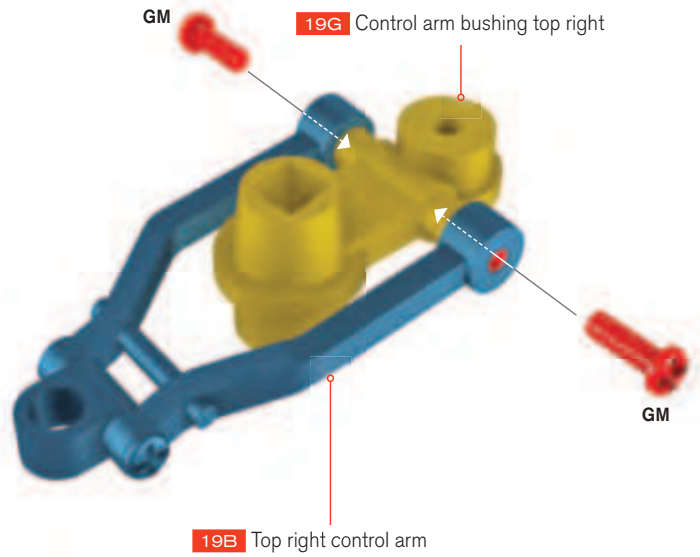
03 FITTING THE BOTTOM RIGHT CONTROL ARM

Fit the bottom-right control arm bushing 19F between the jaws of the bottom-right control arm 19A, positioned as shown. Fix it in place with two **GM** screws. Do not over-tighten the screws.



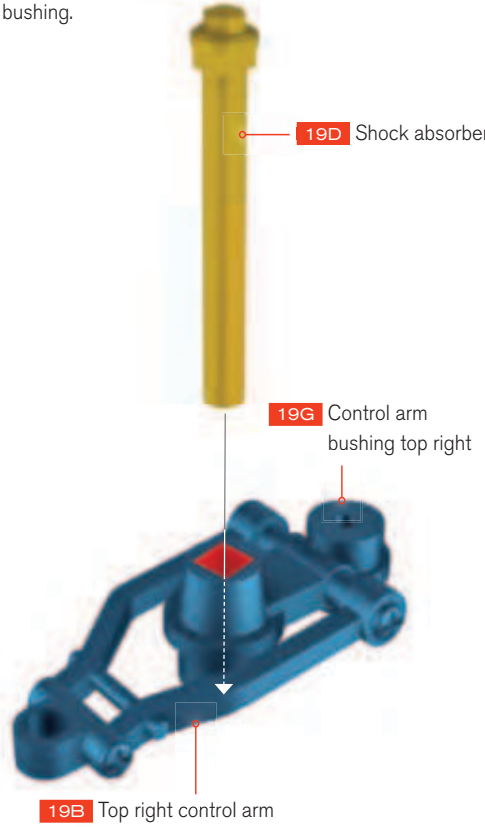
04 FITTING THE TOP RIGHT CONTROL ARM BUSHING

Fit the top-right control arm bushing 19G between the jaws of the top-right control arm 19B, positioned as shown. Fix it in place with two **GM** screws. Do not over-tighten the screws.



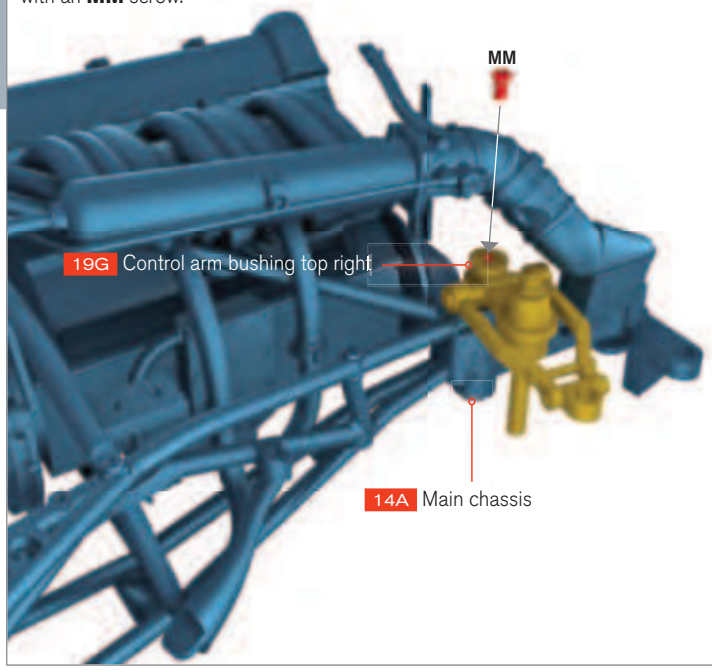
05 FITTING THE SHOCK ABSORBER

Hold the shock absorber 19D as shown and insert the round end through the square hole in the center of the top-right control arm bushing 19G until the square part of the shock absorber fits snugly into the square hole of the bushing.



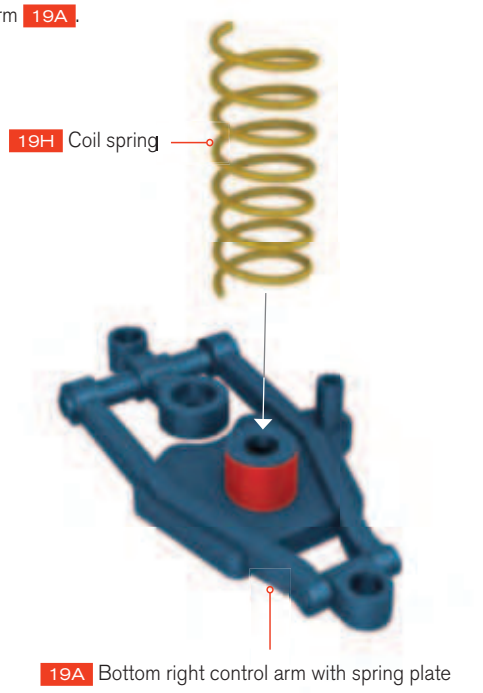
06 FITTING THE CONTROL ARM TO THE CHASSIS

The hole of the top right control arm bushing 19G fits over the pin at the end of the right-front radiator support (part of the main chassis 14A). It is approximately 3/4in to the right of the fan pulley 11C. The bushing is fixed to the radiator support with an **MM** screw.



07 FITTING THE COIL SPRING

The coil spring 19H is located as shown onto the center housing of the spring plate on the bottom-right control arm 19A.



08 FITTING THE SUSPENSION ONTO THE MAIN CHASSIS

The assembled parts in step 07 are presented up to the top right control arm bushing 19G so that the shock absorber 19D goes inside the coil spring 19H, as indicated in the figure. Next, the bottom control arm bushing 19F is inserted onto the two studs on the underside of the front-right radiator support on the main chassis 14A. Fix the assembly in place with two **MM** screws (figure 1).

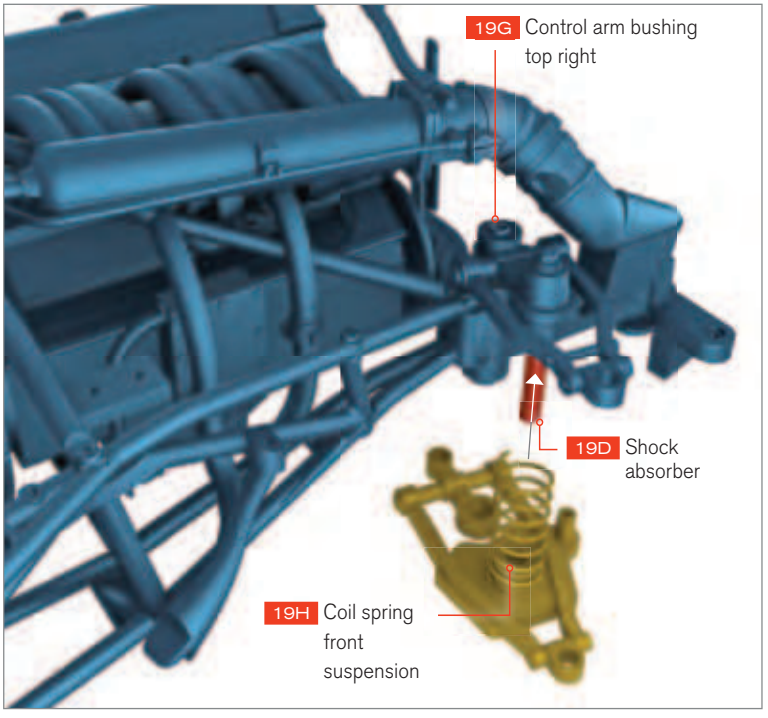
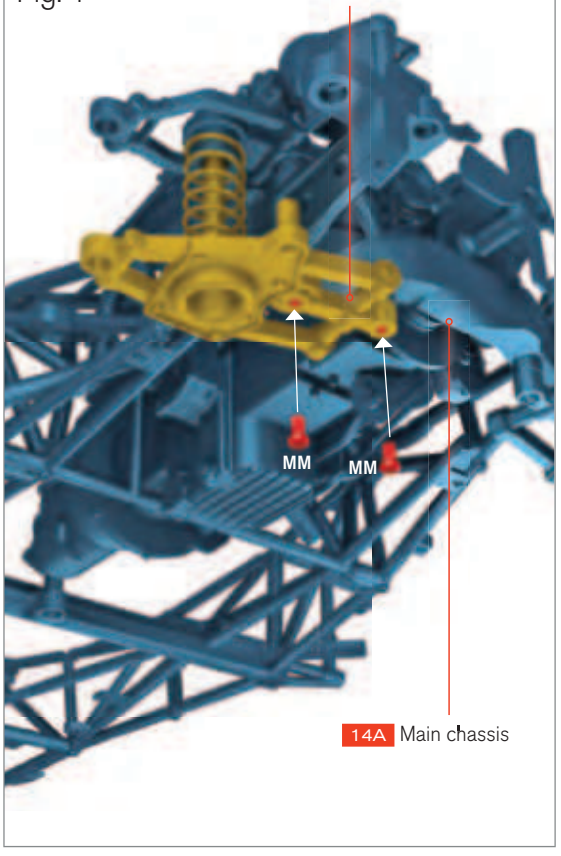
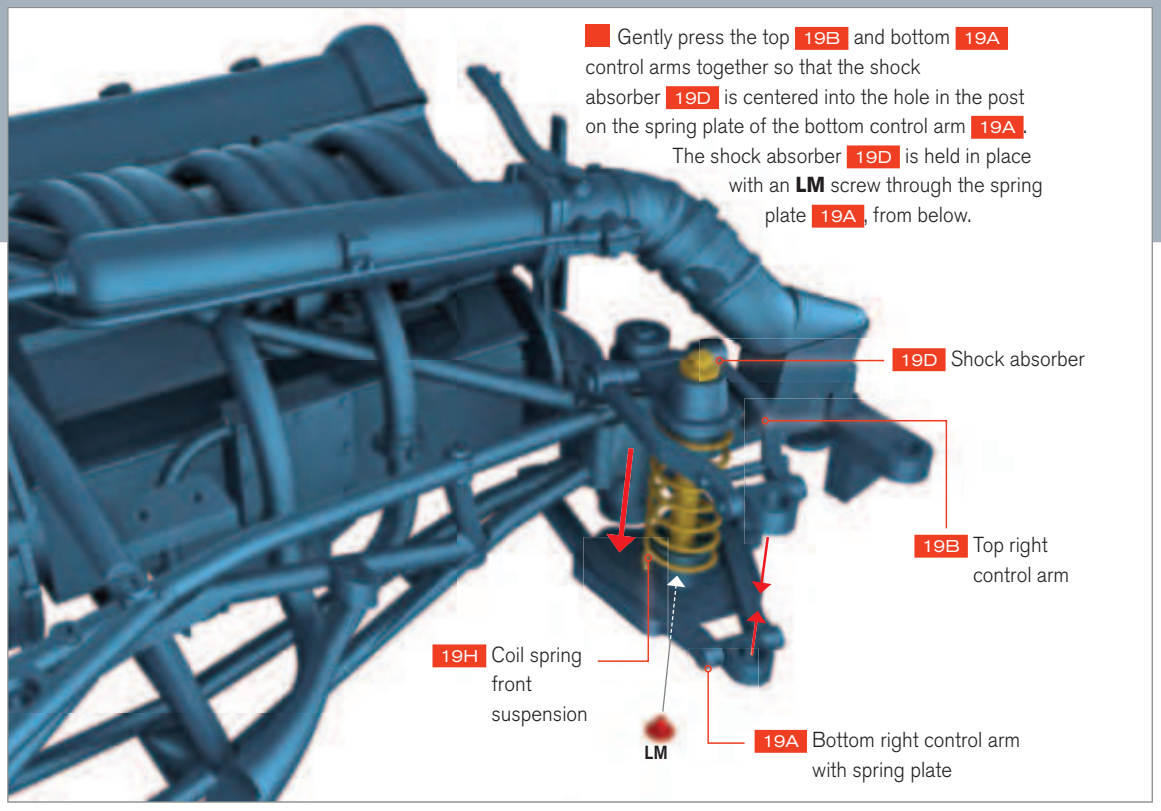


Fig. 1

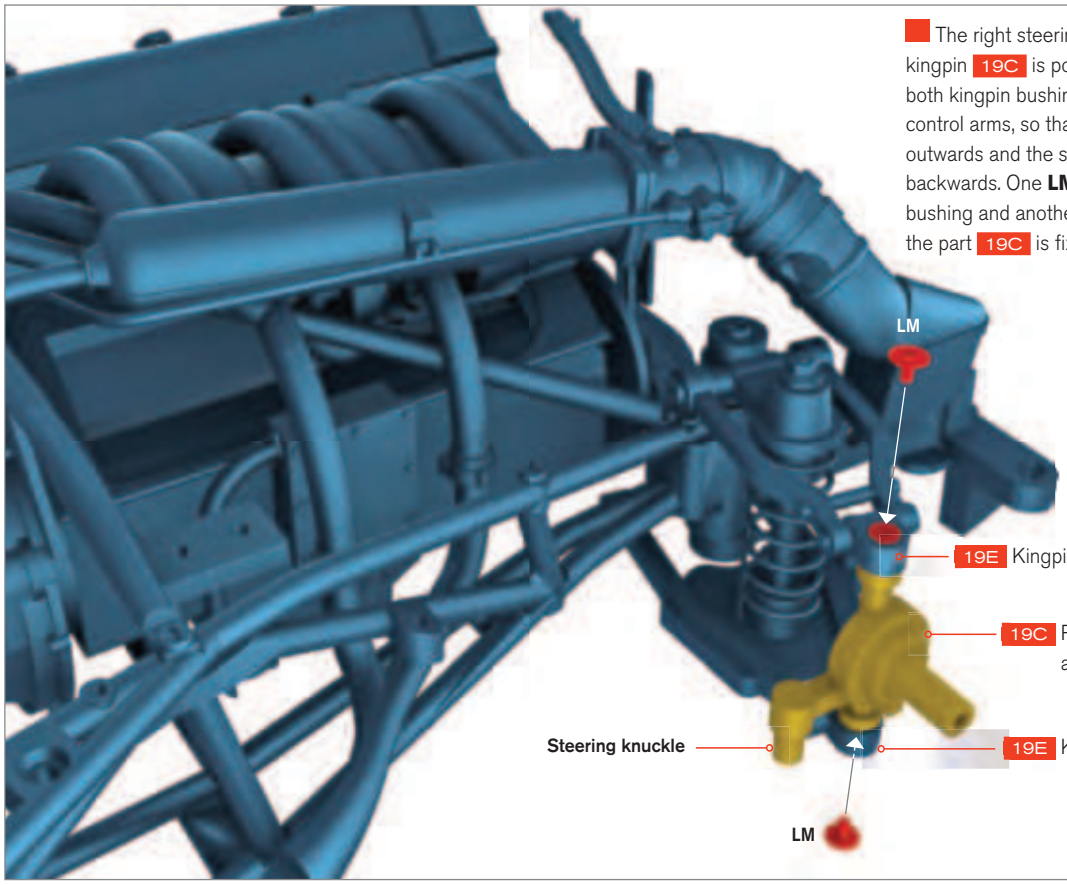


09 FIXING THE COIL SPRING IN PLACE



Gently press the top 19B and bottom 19A control arms together so that the shock absorber 19D is centered into the hole in the post on the spring plate of the bottom control arm 19A. The shock absorber 19D is held in place with an **LM** screw through the spring plate 19A, from below.

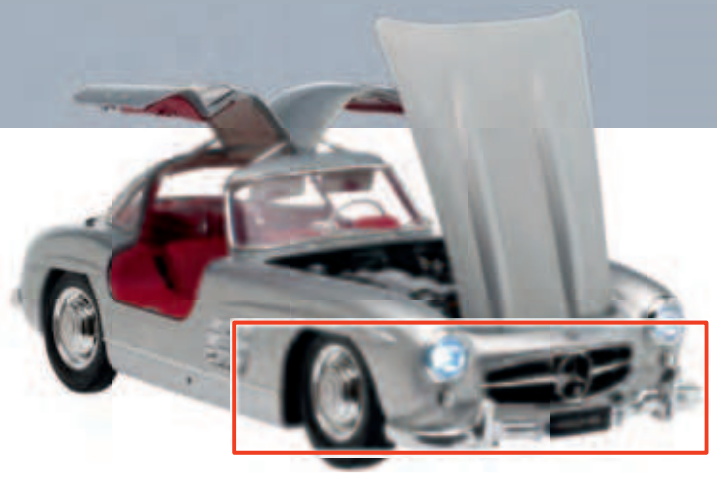
10 FITTING THE RIGHT STEERING KNUCKLE AND AXLE



The right steering knuckle, spindle, and kingpin 19C is positioned as shown, between both kingpin bushings 19E at the end of the control arms, so that the wheel spindle points outwards and the steering knuckle points backwards. One **LM** screw is inserted the upper bushing and another in the lower bushing so that the part 19C is fixed to the control arm.

While tightening the LM screw, keep both suspension control arms compressed towards each other. It might be useful to get help from another person. You can also use a clamp to keep both control arms compressed in the correct position.

Fit the steering tie rod between the left and right suspension systems and fit the front anti-sway bar to the main tubular frame.

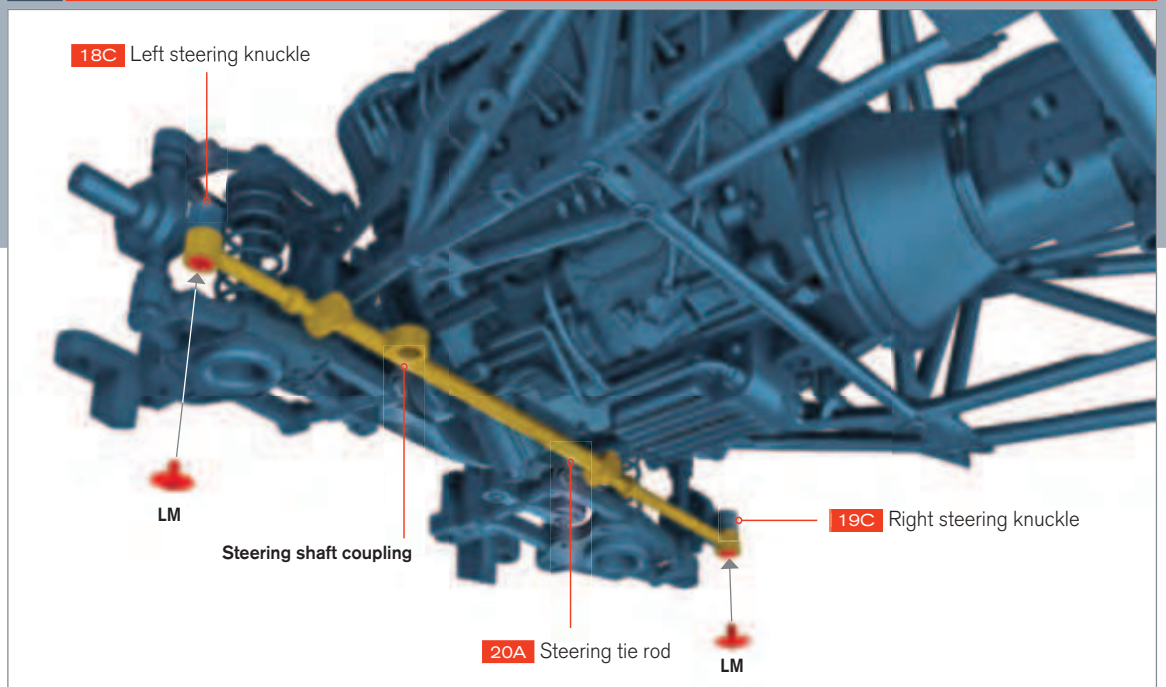


PHASE 20 – REQUIRED PARTS

Code	Name	Quantity	Material
20A	Steering tie rod	1	Zinc
20B	Front anti-sway bar	1	ABS
LM	Screws 0.09 x 0.11 x 0.25in (2.3 x 3 x 6.5mm)	2 + 1*	Iron
HP	Screws 0.08 x 0.15in (2 x 4mm)	2 + 1*	Iron

* Replacement screws included

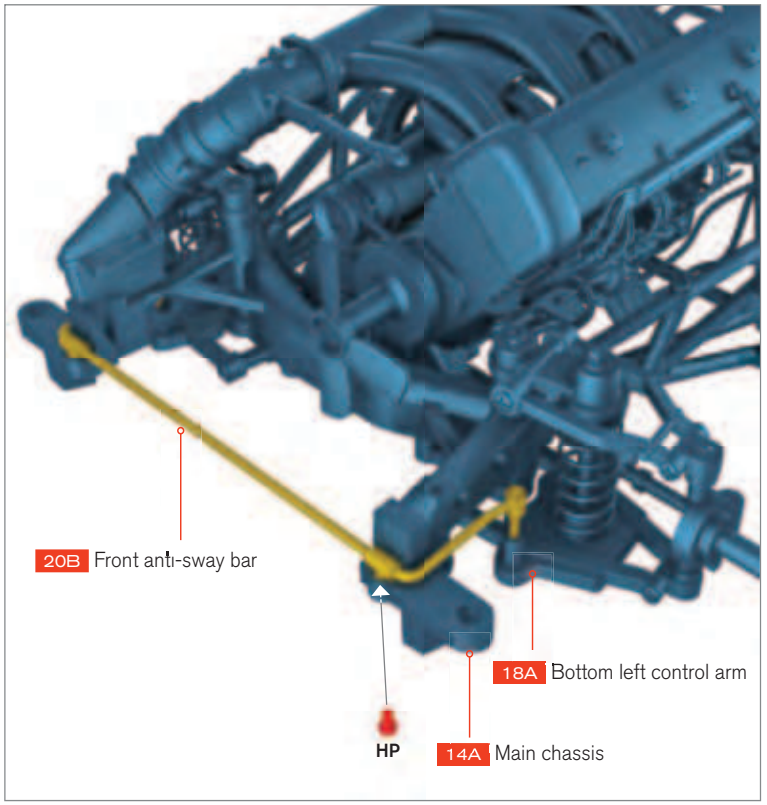
01 FITTING THE STEERING TIE ROD



Position the steering tie rod 20A across the underside of the chassis and underneath the front of the engine. Ensure that the offset coupling for the steering shaft is on the left and points backwards. Fit the left end of the tie rod onto the shaft of the left steering knuckle 18C and fix it in place with an **LM** screw. Fit the right end of the tie rod on to the shaft of the right steering knuckle 19C and fix it in place with an **LM** screw.

If you move the steering tie rod from side to side, the wheel axles will steer left and right.

02 FITTING THE FRONT ANTI-SWAY BAR



Lay the front anti-sway bar 20B across the front of the chassis in the position shown. Insert the left downward-pointing pin at the end of the bar into the socket in the front of the bottom left control arm 18A. Then fix the pin of the front left support bracket onto the main chassis 14A with an **HP** screw. Now insert the right downward-pointing pin into the socket in the front of the bottom right control arm 19A and fix the front right support bracket onto the main chassis 14A with an **HP** screw (figure 1).

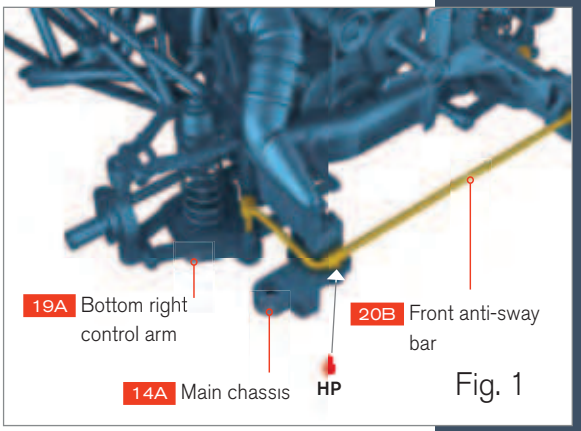


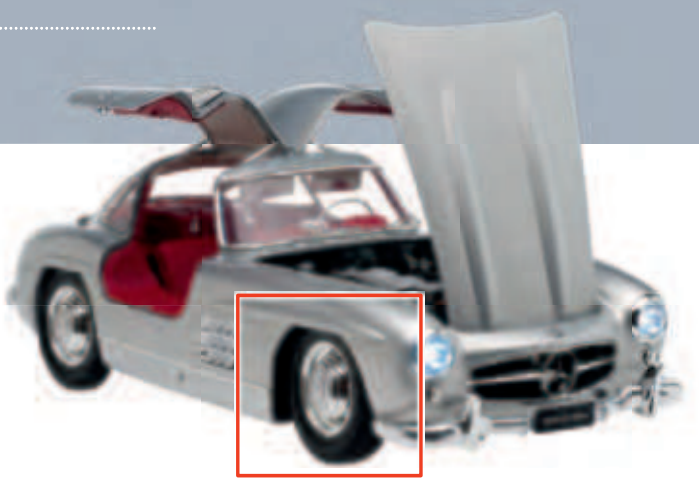
Fig. 1

Fit the tire on to the front right wheel rim, attach the brake drum and support plate, fix the wheel onto the spindle and fit the hub cap. Then repeat for the left front wheel that was supplied and partly assembled in phase 2.

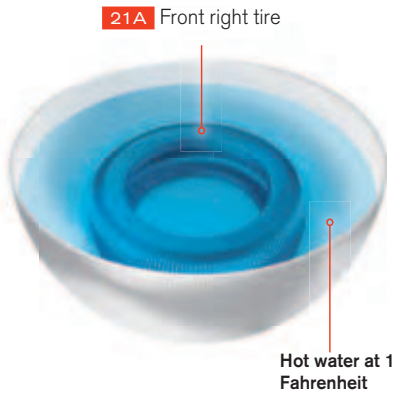
PHASE 21 – REQUIRED PARTS

Code	Name	Quantity	Material
21A	Front right tire	1	PVC
21B	Front right rim	1	Zinc
21C	Brake drum	1	ABS
21D	Support plate and brake pipe	1	ABS and PVC
21E	Hub cap	1	ABS
21F	Washer	2	ABS
MM	Screws 0.09 x 0.15in (2.3 x 4mm)	4+2*	Iron

* Replacement screws included



01 PREPARATION OF THE TIRE

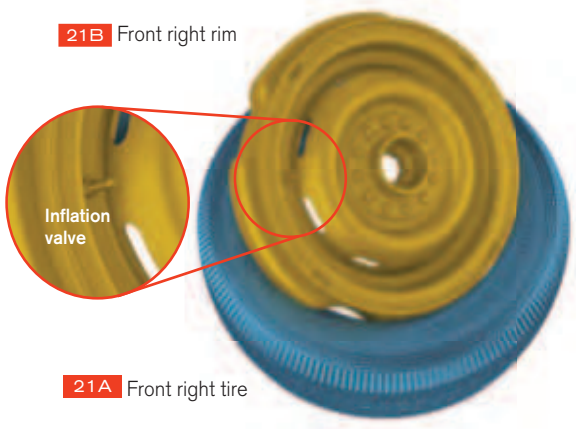


The front-right tire 21A is difficult to bend at room temperature, and it is hard to press onto the rim. We recommended you place it in a container with hot water (approx. 170° F / 75°C) for a few minutes. When warmed up it will soften and can easily be fitted.

Warning!
Take care when handling hot water and the tire to avoid scalding yourself.

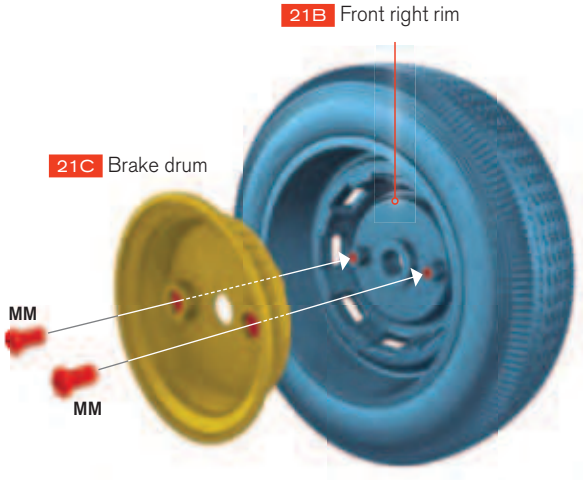
02 FITTING THE TYRE ON TO THE RIM

Place the rim 21B inside the 21A tire as shown in the picture and carefully press the sides to seat it onto the the rim so that it is evenly distributed. ATTENTION: while fitting the tire DO NOT PRESS the inflation valve as it is very fragile.



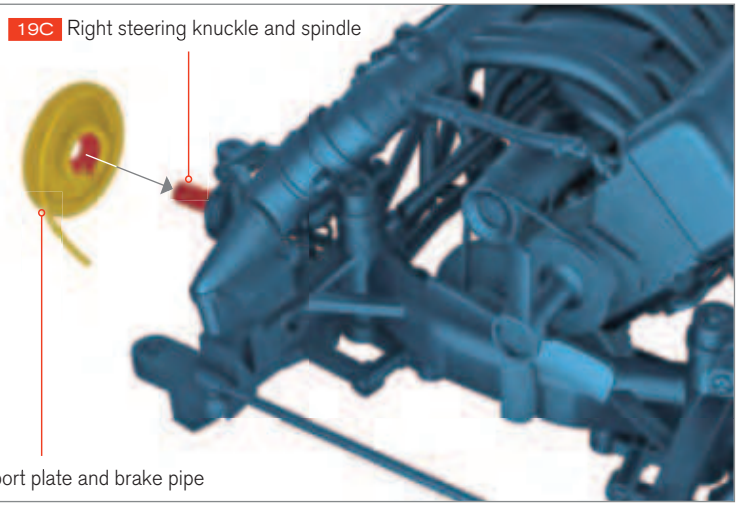
03 ASSEMBLING THE BRAKE DRUM

Place the brake drum 21C on the inside face of the rim 21B as shown in the image. To fix it in place, use two **MM** screws.



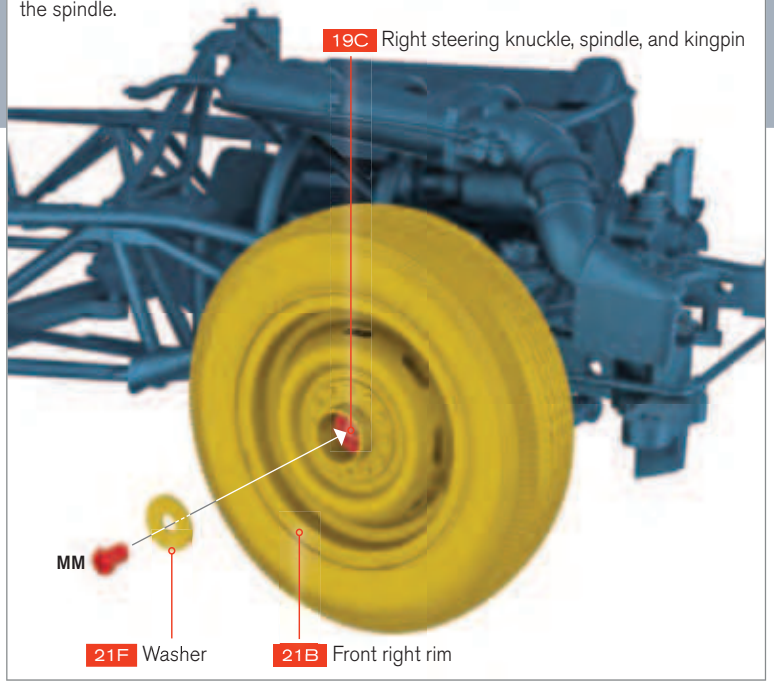
04 FITTING THE RIGHT BRAKE SUPPORT PLATE

Fit the right brake support plate and brake pipe 21D on to the right steering knuckle and spindle 19C, ensuring that the slot in the rim of the brake support plate is located over the notch below the spindle. The brake pipe will be connected in a later stage, so leave it loose for now.



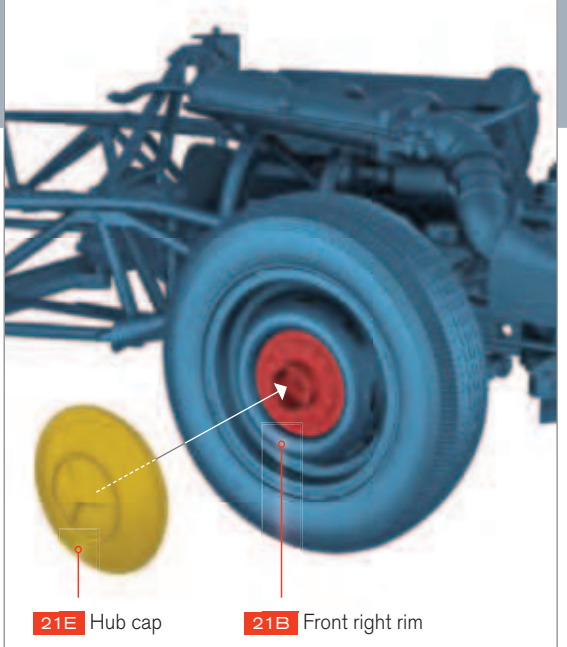
05 FITTING THE RIGHT WHEEL

Fit the complete wheel rim, tire and brake drum assembly onto the right spindle 19C. Place a washer 21F over the spindle where it protrudes through the rim 21B, then fix the rim firmly in place with an **MM** screw into the end of the spindle.



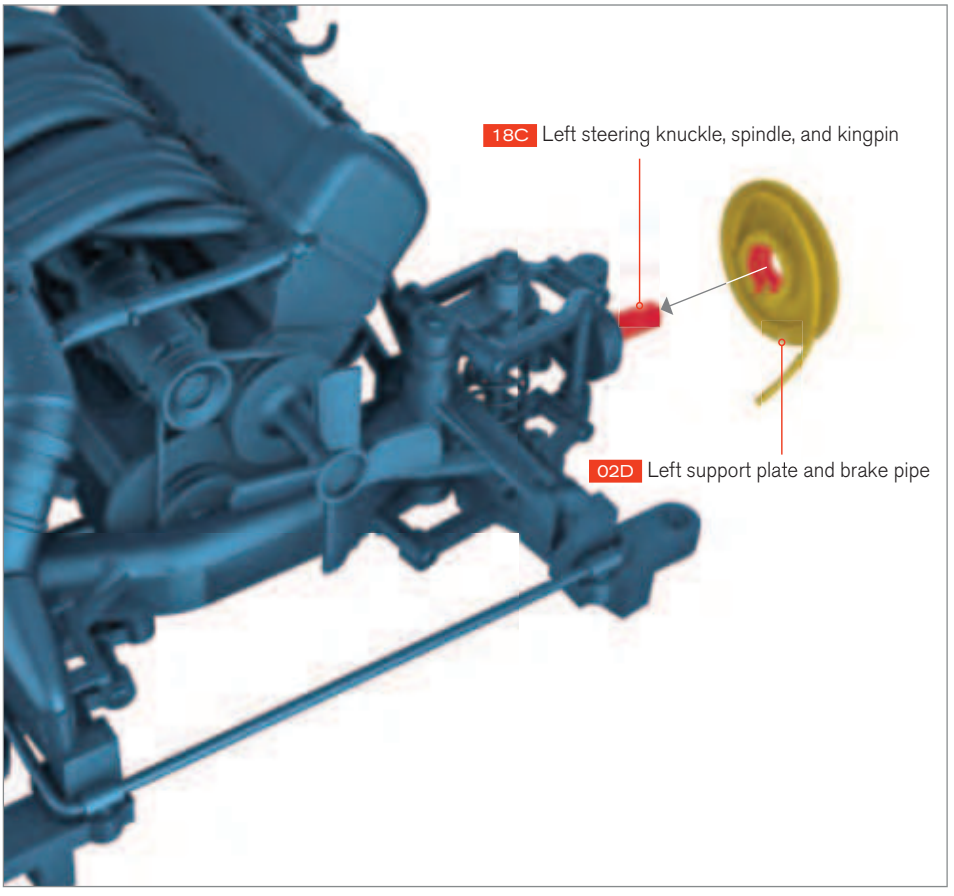
06 FITTING THE RIGHT HUB CAP

Push the hub cap 21E firmly onto the center of the front right wheel rim 21B.

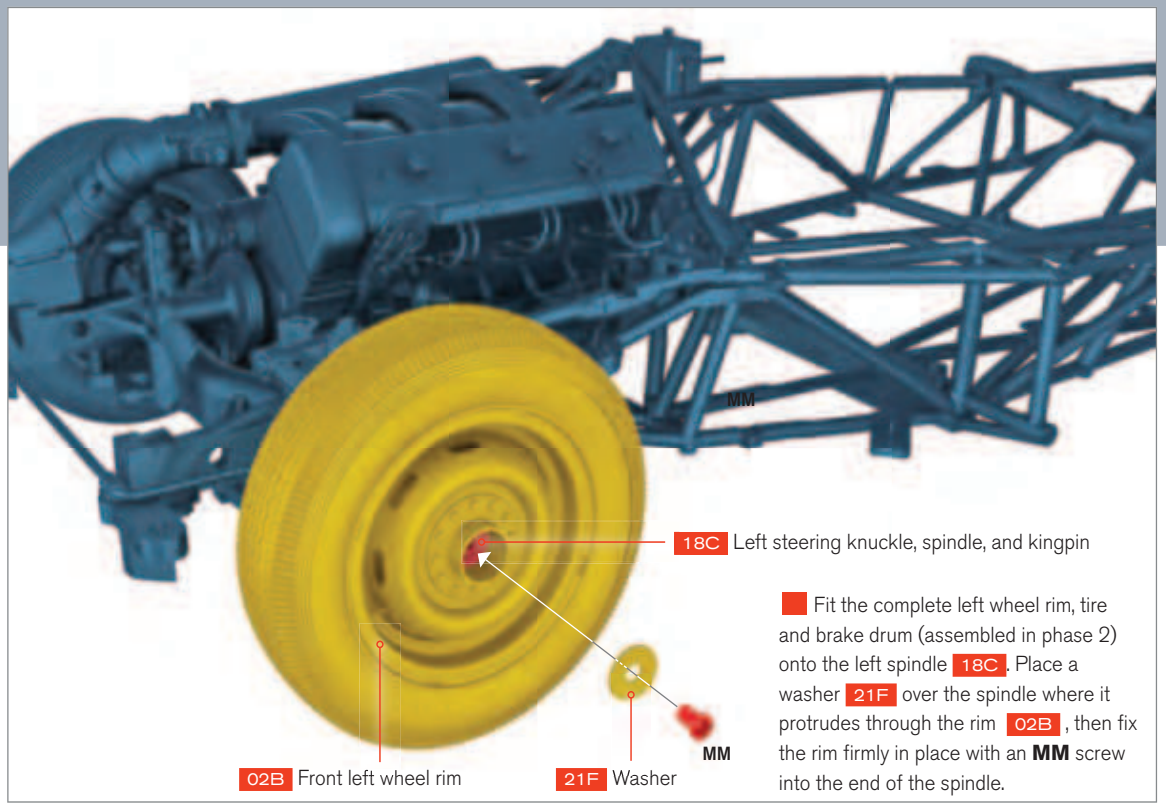


07 FITTING THE LEFT BRAKE SUPPORT PLATE

Fit the left brake support plate and brake pipe 02D (supplied with magazine 1) on to the left steering knuckle and spindle 18C, ensuring that the slot in the rim of the brake support plate is located over the notch below the spindle. The brake pipe will be connected in a later stage, so leave it loose for now.

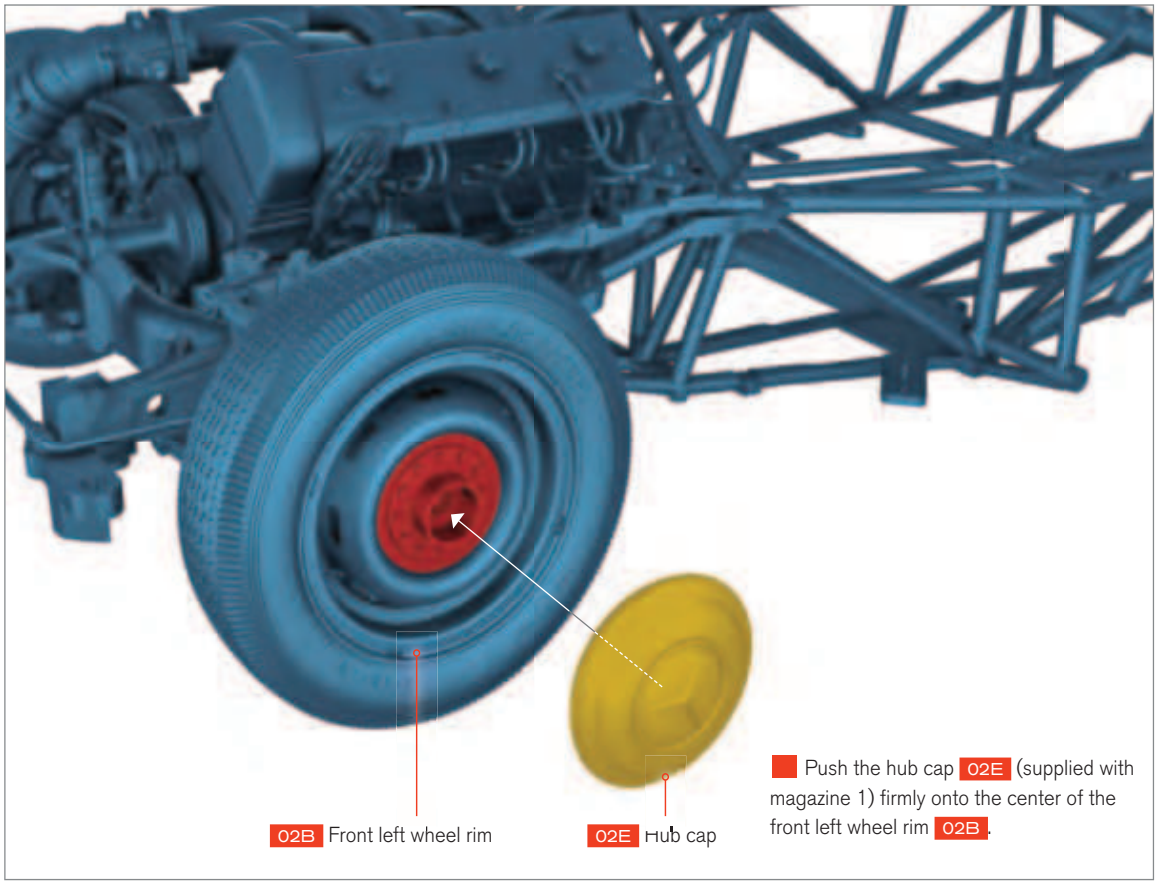


08 FITTING THE LEFT WHEEL



Fit the complete left wheel rim, tire and brake drum (assembled in phase 2) onto the left spindle 18C. Place a washer 21F over the spindle where it protrudes through the rim 02B, then fix the rim firmly in place with an **MM** screw into the end of the spindle.

09 FITTING THE LEFT HUB CAP



Push the hub cap 02E (supplied with magazine 1) firmly onto the center of the front left wheel rim 02B.

Fit the rear left and right suspension springs, support rods and axles to the main chassis.

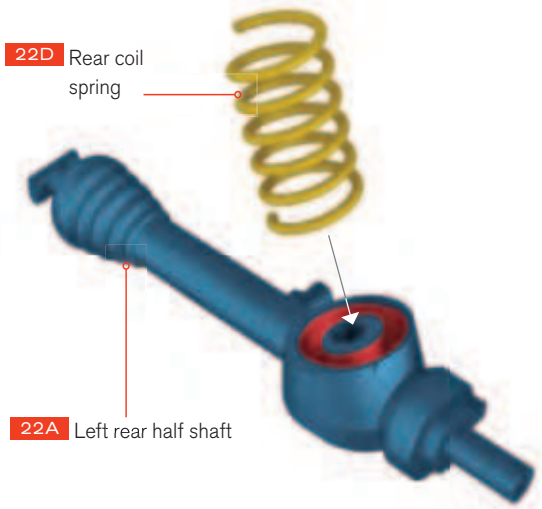
PHASE 22 – REQUIRED PARTS

Code	Name	Quantity	Material
22A	Left rear half shaft	1	Zinc
22B	Right rear half shaft	1	Zinc
22C	Spring damper	2	Zinc
22D	Rear coil spring	2	Steel
CM	Screws 0.07 x 0.15in (2 x 4mm)	2 + 1*	Iron

* Replacement screws included

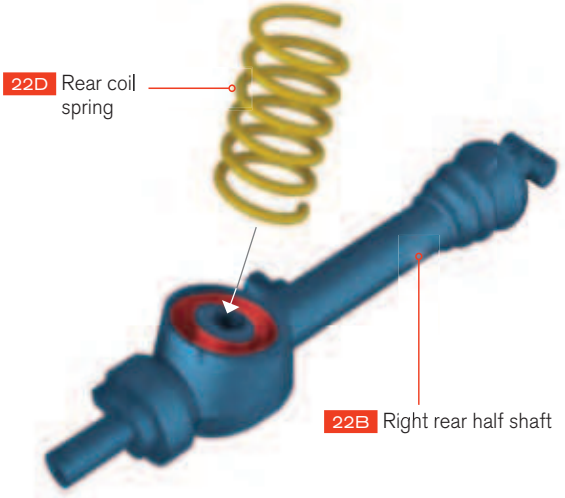
01 FITTING THE LEFT REAR COIL SPRING

Fit one of the rear coil springs 22D into the ringed recess in the left rear half shaft 22A. Twist the spring as you push it into the recess to ensure it seats fully.



02 FITTING THE RIGHT REAR COIL SPRING

Fit the remaining rear coil spring 22D into the ringed recess in the right rear half shaft 22B. Twist the spring as you push it into the recess to ensure it seats fully.



03 FITTING THE LEFT REAR HALF SHAFT TO THE CHASSIS

Locate the top of the coil spring 22D into the spring retainer on the main chassis 14A in the position shown. Then slide a spring damper 22C up through the square hole in the flange on the underside of the main chassis, through the half shaft 22A, through the spring 22D and up into the spring retainer. Ensure that the square collar at the base of the damper rod locks into the square hole in the flange (figure 1). Fix the damper in place with a **CM** screw from above, through the retainer (figure 2).

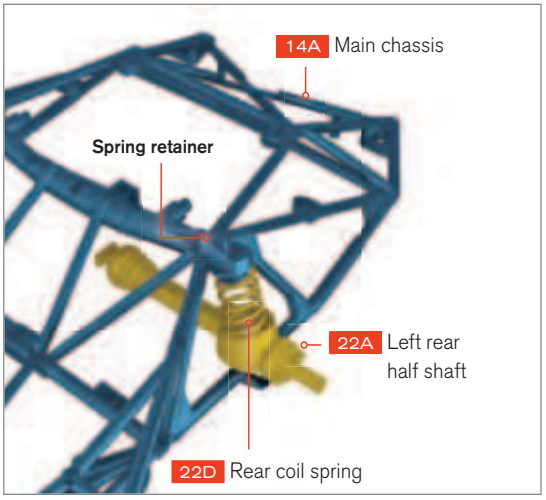


Fig. 1

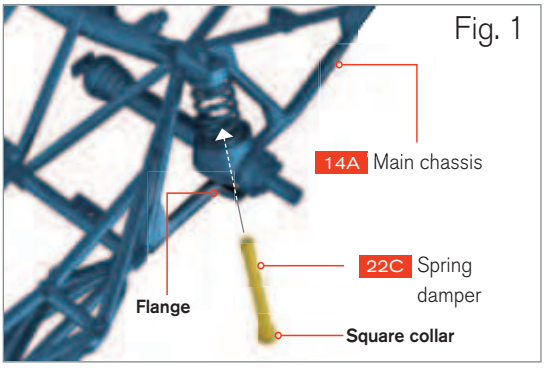
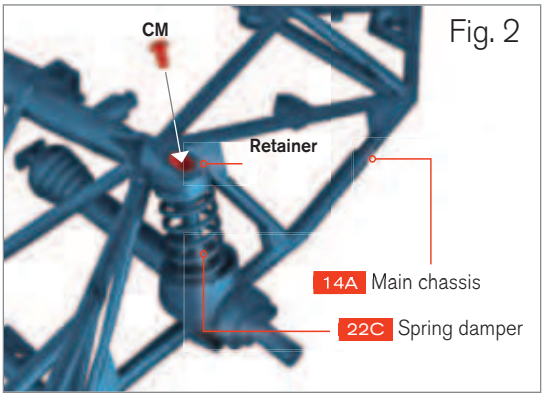


Fig. 2



04 FITTING THE RIGHT REAR HALF SHAFT, COIL SPRING AND SPRING DAMPER

Locate the top of the coil spring 22D into the spring retainer on the main chassis 14A in the position shown. Then slide a spring damper 22C up through the square hole in the flange on the underside of the main chassis, through the half shaft 22B, through the spring 22D and up into the spring retainer. Ensure that the square collar at the base of the damper rod locks into the square hole in the flange (figure 1). Fix the damper in place with a **CM** screw from above, through the retainer (figure 2).

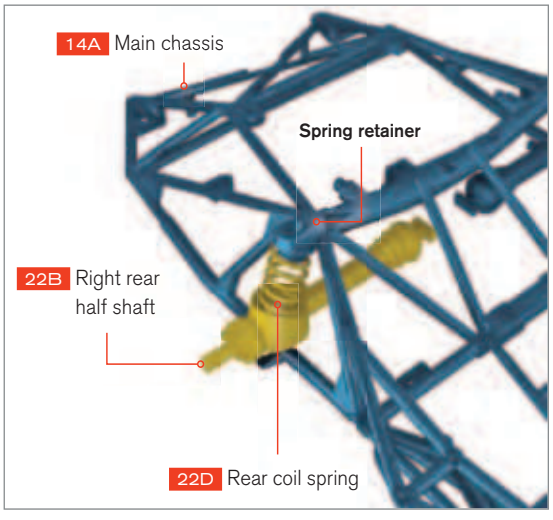


Fig. 1

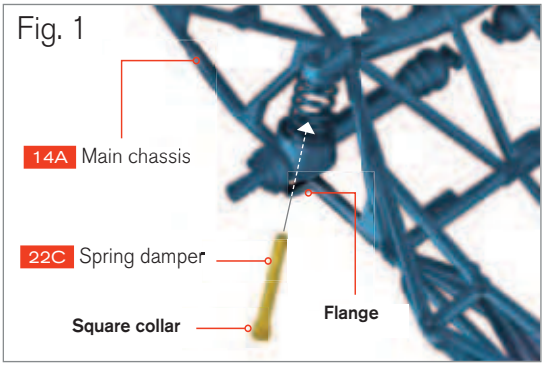
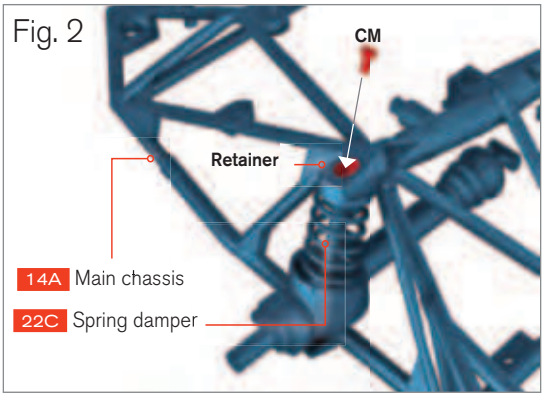


Fig. 2



When fitting the left and right axle, ensure that the axle stub points outwards.

Assemble the universal joint and fit it to the differential, then connect the assembly to the rear half-shafts and the chassis.

PHASE 23 – REQUIRED PARTS

Code	Name	Quantity	Material
23A	Differential housing (bottom)	1	Zinc
23B	Differential housing (top)	1	Zinc
23C	Universal joint fork	1	Zinc
23D	Universal joint block	1	Zinc
CM	Screws 0.07 x 0.15in (2 x 4mm)	1 + 1*	Iron
GM	Screws 0.07 x 0.27in (2 x 7mm)	1 + 1*	Iron
OM	Screws 0.09 x 0.19in (2.3 x 5mm)	5 + 2*	Iron

* Replacement screws included

COLOR CODING

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

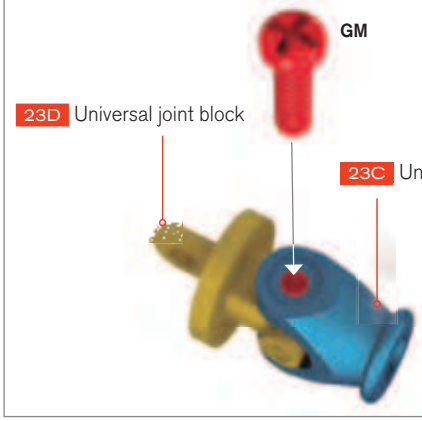
RED indicates the screws and the correct position.

YELLOW indicates new parts.

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

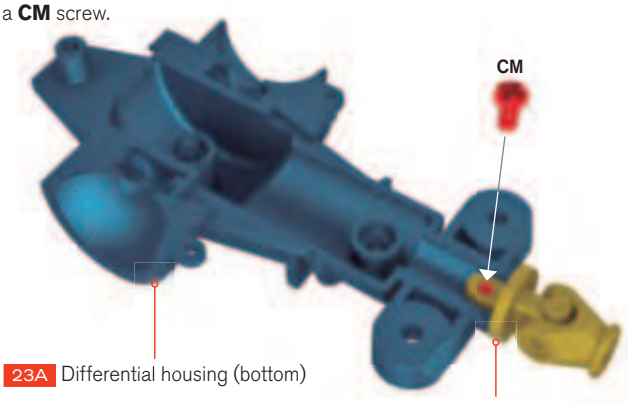
01 ASSEMBLING THE UNIVERSAL JOINT

Fit the universal joint block 23D into the jaws of the universal joint fork 23C. Fix in place with a **GM** screw. Note that the screw slips through one jaw of the fork and threads into the opposite jaw.



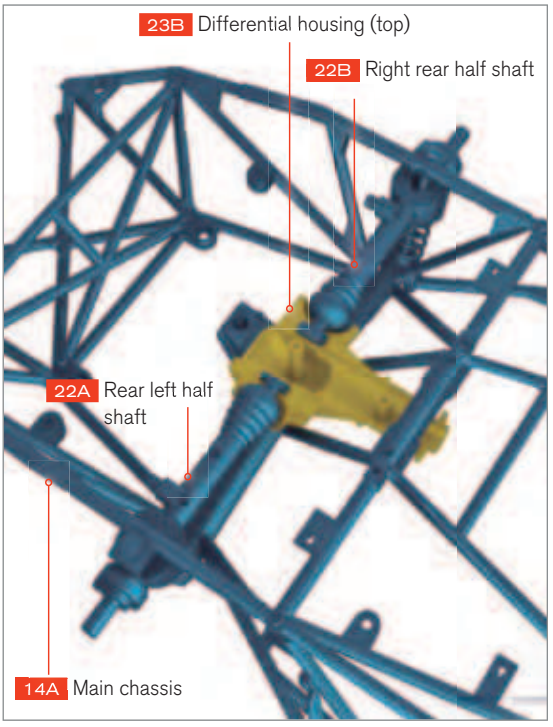
02 CONNECTING THE UNIVERSAL JOINT

Fit the tab on the universal joint block 23D over the pin at the front end of the bottom part of the differential housing 23A. Fix in place with a **CM** screw.



03 ASSEMBLING AND FITTING THE DIFFERENTIAL

With the model upside down, position the top part of the differential housing 23B into the main chassis 14A so that the couplings at the end of the rear left half shaft 22A and the rear right half shaft 22B fit into the recesses in the differential housing. Then position the bottom differential housing 23A over the upper housing 23B so that the two halves clamp the half shaft couplings in place. Fix the housings together with two **OM** screws (figure 1). Now turn the model upright. Fix the rear of the bottom differential housing 23A to the support bracket on the main chassis 14A with an **OM** screw (figure 2). Fix the front end of the bottom differential housing 23A to the main chassis 14A with two **OM** screws (figure 3).



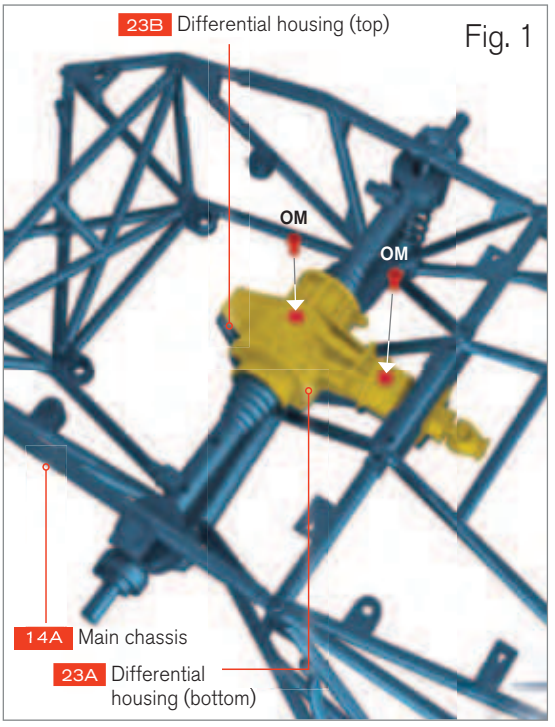


Fig. 1

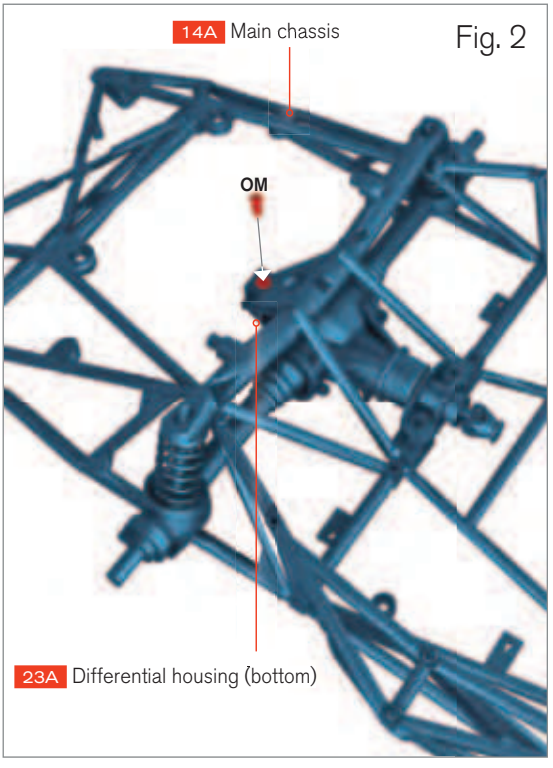


Fig. 2

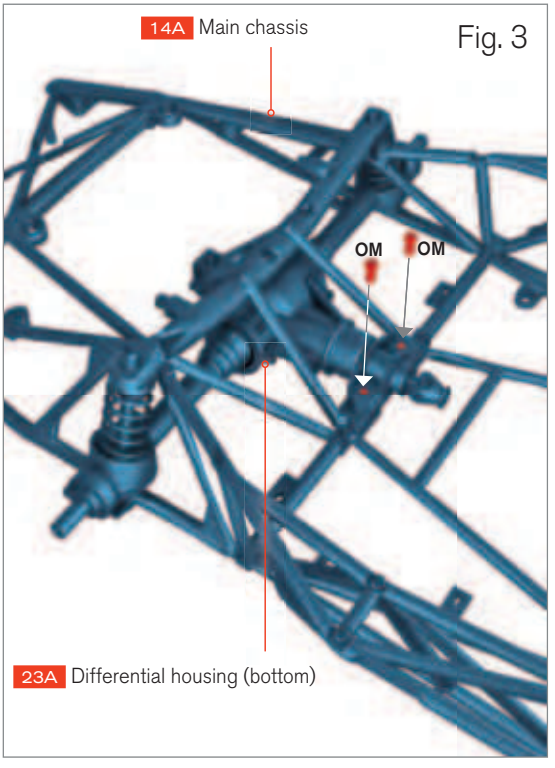


Fig. 3

When assembling the model upside down, work on a pad of soft cloth to protect the delicate engine parts.

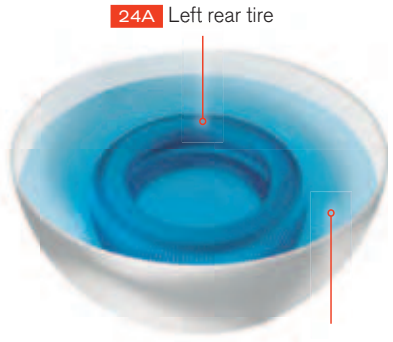
Fit the tire onto the rear left rim, attach the brake drum and brake backing plate, fix the wheel to the axle and fit the hub cap. Then fit the brake lines 1 & 2 to the main chassis.

PHASE 24 – REQUIRED PARTS

Code	Name	Quantity	Material
24A	Left rear tire	1	PVC
24B	Left rear rim	1	Zinc
24C	Brake drum	1	ABS
24D	Backing plate	1	ABS
24E	Hub cap	1	ABS
24F	Brake line 1	1	ABS
24G	Brake line 2	1	ABS
24H	Washer	1	ABS
MM	Screws 0.09 x 0.15in (2.3 x 4mm)	3+1*	Iron
TM	Screws 0.06 x 0.23in (1.7 x 6mm)	1+1*	Iron

* Replacement screws included

01 SOFTENING THE TIRE

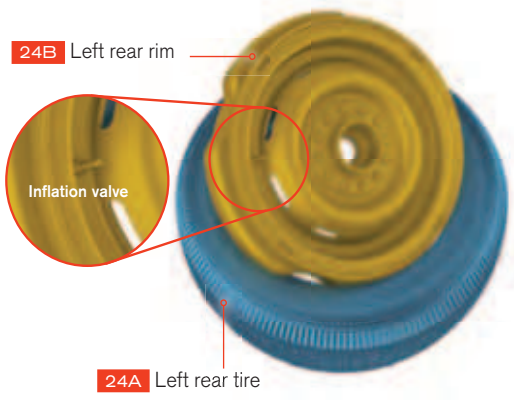


The left rear tire 24A is difficult to bend at room temperature, and it is hard to press onto the rim. We recommend you place it in a container with hot water (approx. 170°F / 75°C) for a few minutes. When warmed up it will soften and can easily be fitted.

Warning!
Take care when handling hot water and the tire to avoid scalding yourself.

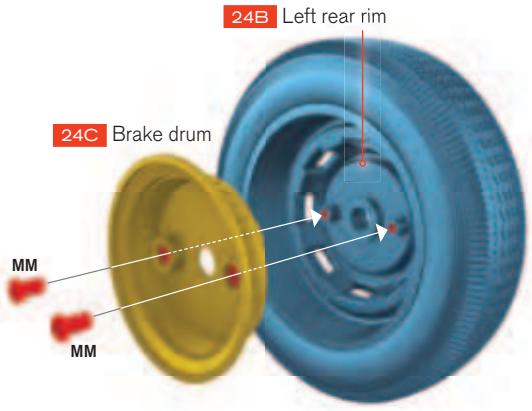
02 FITTING THE TIRE ON TO THE RIM

Place the rim 24B inside the tire 24A as shown in the picture and carefully press the sides to seat it onto the rim so that it is evenly distributed. ATTENTION: while fitting the tire DO NOT PRESS the inflation valve as it is very fragile.



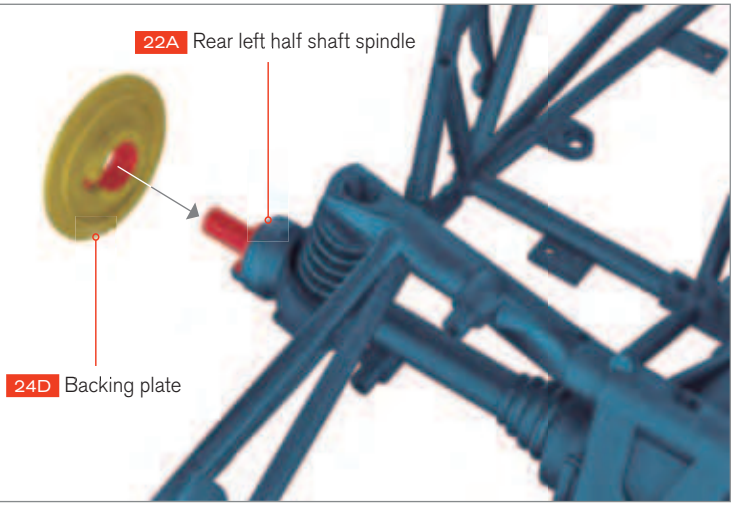
03 ASSEMBLING THE BRAKE DRUM

Place the brake drum 24C on the inside face of the rim 24B as shown in the image. Fix it in place with two **MM** screws.



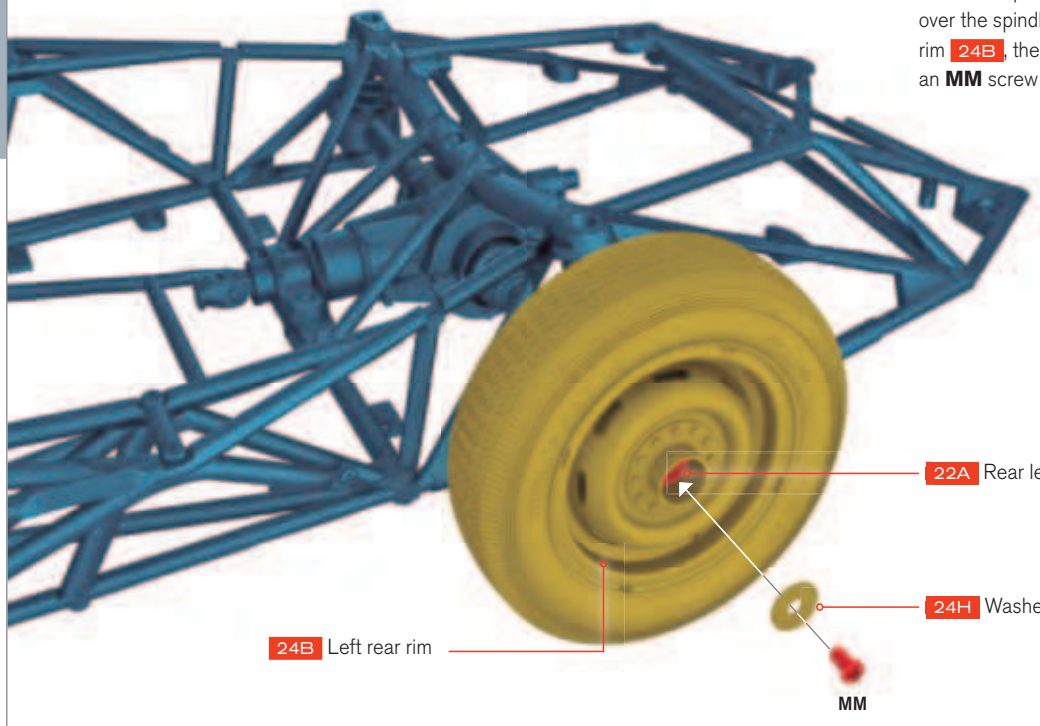
04 FITTING THE LEFT BRAKE BACKING PLATE

Fit the left brake backing plate 24D on to the left half shaft spindle 22A, ensuring that the slot in the brake support plate is located over the notch below the spindle.



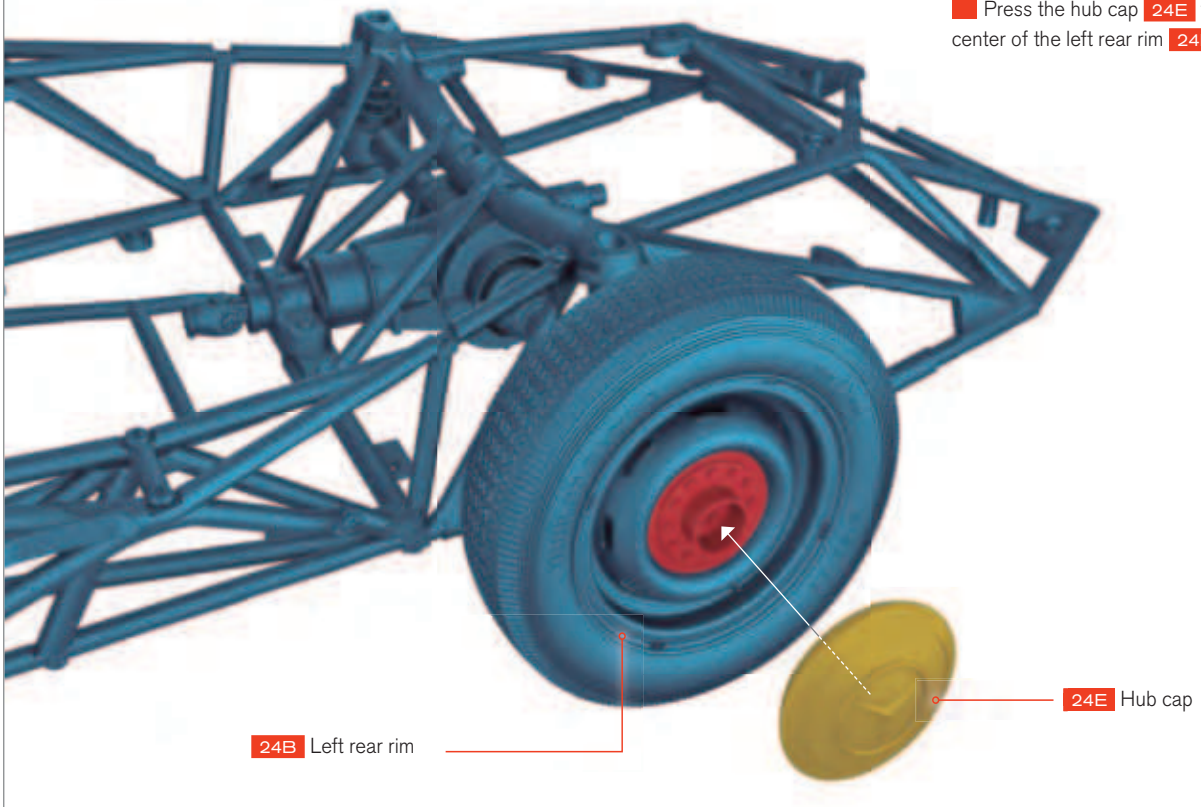
05 FITTING THE REAR LEFT WHEEL

Fit the left rear rim 24B onto the left rear half shaft spindle 22A. Place a washer 24H over the spindle where it protrudes through the rim 24B, then fix the rim firmly in place with an **MM** screw into the end of the spindle.



06 FITTING THE HUB CAP

Press the hub cap 24E firmly onto the center of the left rear rim 24B.



07 FITTING THE BRAKE LINES

With the model upside down, and using tweezers, push the pin at the end of brake line 1 24F into the socket on the backing plate 24D, ensuring that it runs above the main chassis 14A – see Be careful! in the page margin. Align the loop at the other end of brake line 1 24F with the loop at the end of brake line 2 24G. Use a **TM** screw through both loops to fix them into the screw hole on the left of the bottom differential housing 23A (figure 1). The free (square) end of brake line 2 24G will be attached later.

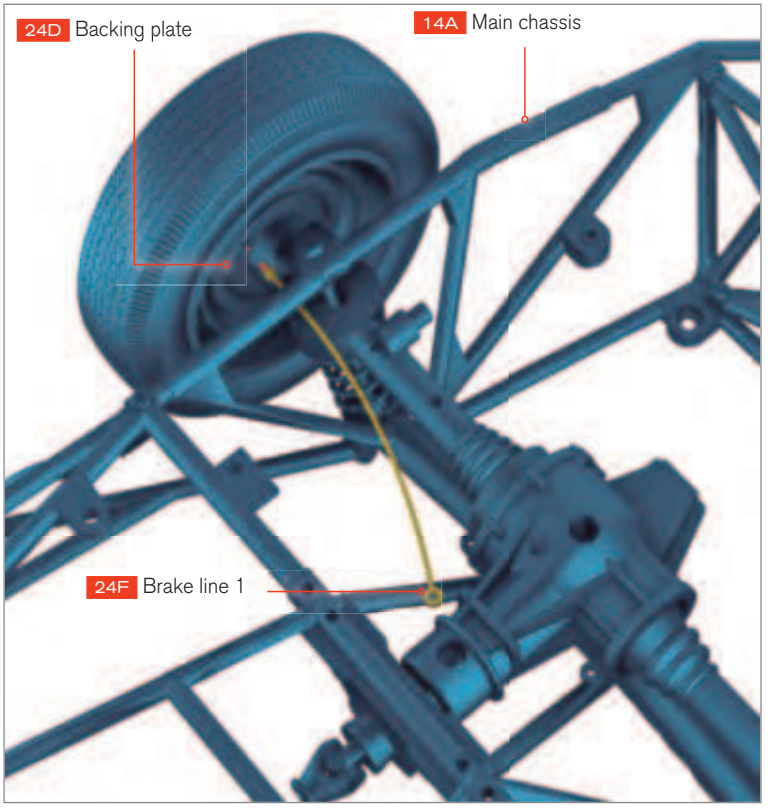
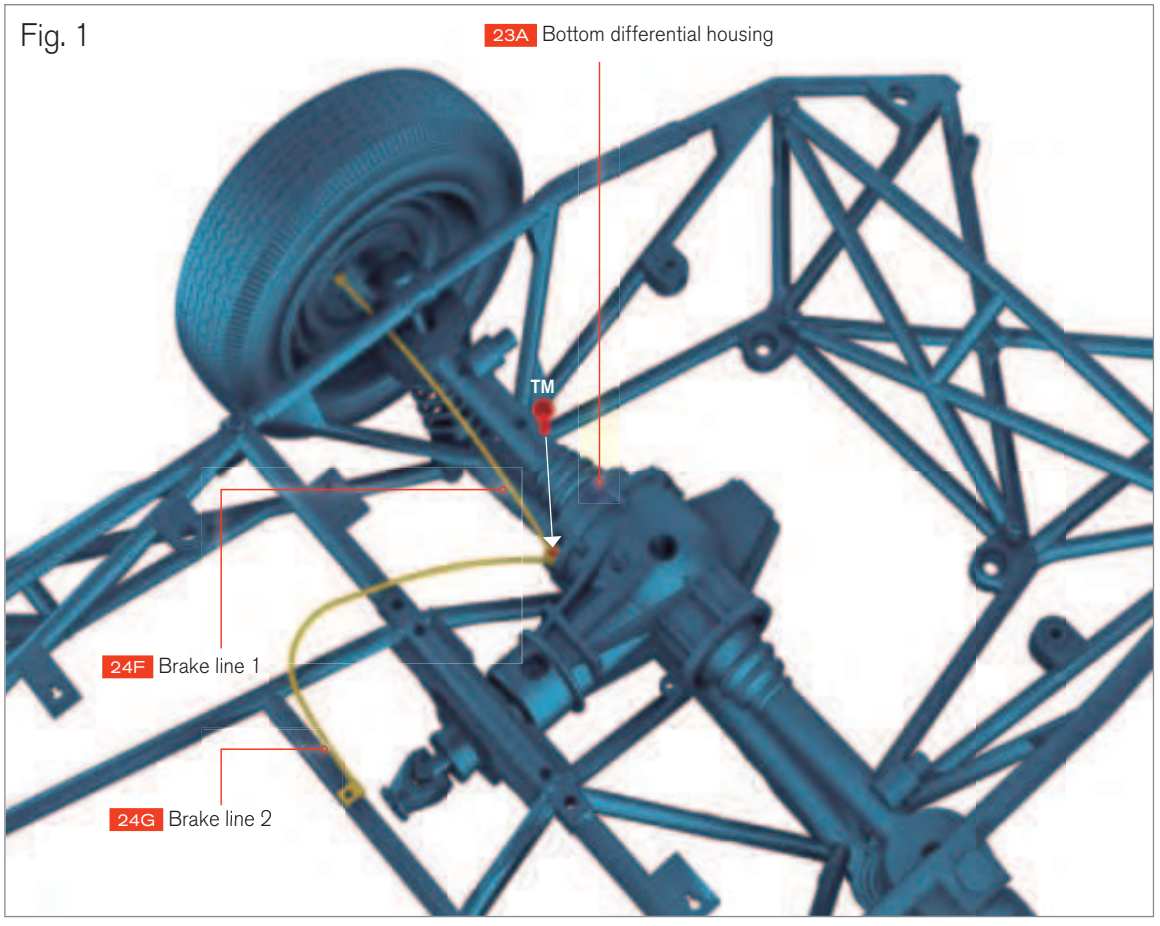


Fig. 1



Be careful!
Do not bend the brake lines while fitting them as they are not flexible.

Assemble and fit the left and right rear suspension shock absorbers, and install the rear central brake line.

PHASE 25 – REQUIRED PARTS

Code	Name	Quantity	Material
25A	Brake line 3	1	ABS
25B	Shock absorber cylinder	2	Zinc
25C	Shock absorber piston	2	Zinc
LM	Screws 0.09 x 0.11 x 0.25in (2.3 x 3 x 6.5mm)	4 + 2*	Iron
AP	Screws 0.06 x 0.11in (1.5 x 3mm)	1 + 1*	Iron

* Replacement screws included

01 FITTING THE LEFT SHOCK ABSORBER

Slide one of the shock absorber pistons 25C into one of the shock absorber cylinders 25B. Fit the circular bushing mount on the end of the cylinder 25B over the post projecting backward from the left crossbar of the main chassis 14A. Fit the circular bushing mount on the end of the shock absorber piston 25C over the post projecting backwards from the left rear half shaft 22A. Fix the bushing mounts in place with two **LM** screws (figure 1).

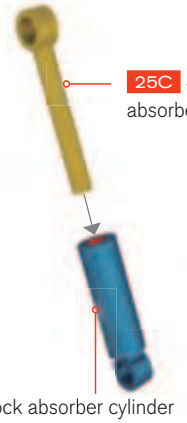
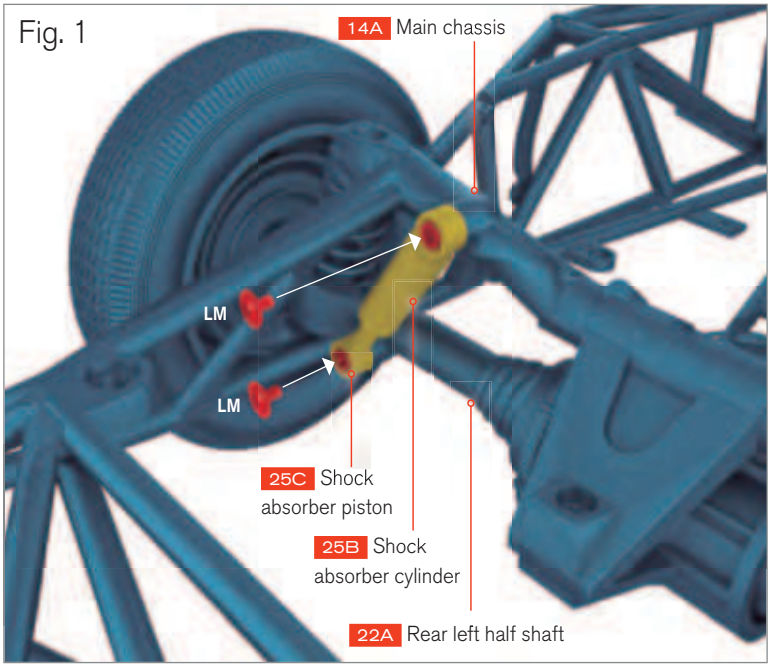


Fig. 1



02 FITTING THE RIGHT SHOCK ABSORBER

Slide the remaining shock absorber piston 25C into its shock absorber cylinder 25B. Fit the circular bushing mount on the end of the cylinder 25B over the post projecting backward from the right crossbar of the main chassis 14A. Fit the circular bushing mount on the end of the shock absorber piston 25C over the post projecting backwards from the right rear half shaft 22B. Fix the bushing mounts in place with two **LM** screws (figure 1).

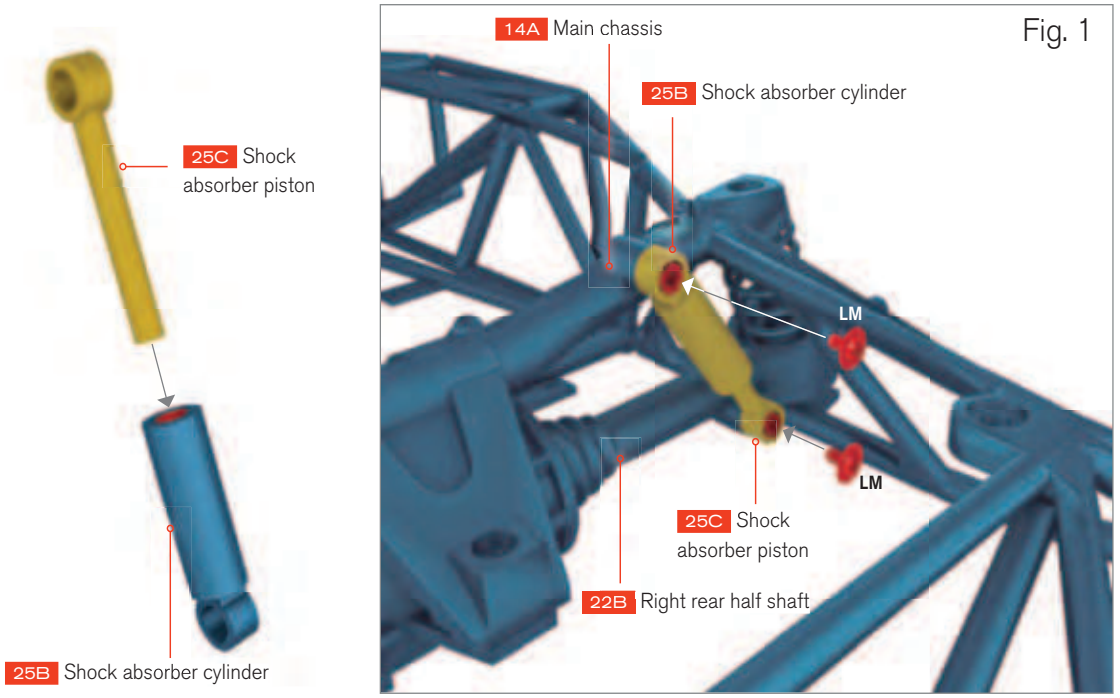
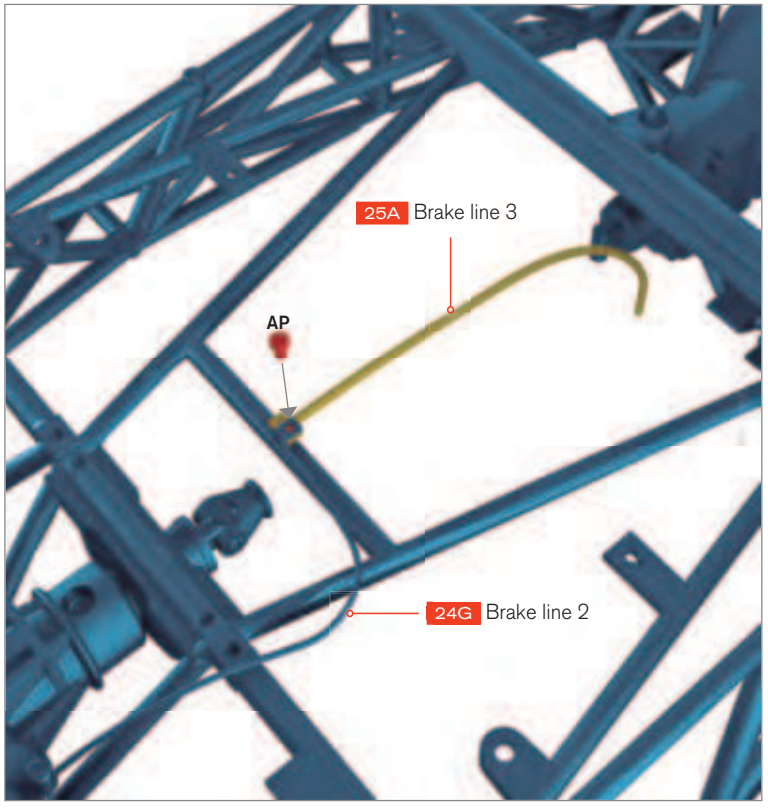


Fig. 1

03 FITTING BRAKE LINE 3



Align the square end of brake line 3 25A with the square end of brake line 2 24G, ensuring that line 3 runs forwards and upwards at the other end. Fix the connector plates of lines 2 and 3 to the chassis 14A with an **AP** screw. The free end of line 3 will be connected later.

Be careful!
Do not bend the brake lines while fitting them as they are not flexible.

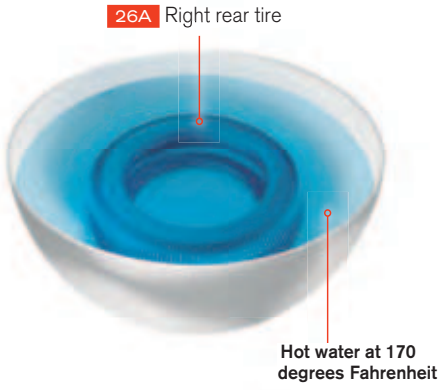
Fit the tire onto the rear right rim, attach the brake drum and the brake backing plate, fix the wheel to the half shaft and fit the hub cap.
Then fit brake lines 4 & 5 to the main chassis.

PHASE 26 – REQUIRED PARTS

Code	Name	Quantity	Material
26A	Rear right tire	1	PVC
26B	Rear right rim	1	Zinc
26C	Brake drum	1	ABS
26D	Backing plate	1	ABS
26E	Hub cap	1	ABS
26F	Brake line 4	1	ABS
26G	Brake line 5	1	ABS
26H	Washer	1	ABS
MM	Screws 0.09 x 0.15in (2.3 x 4mm)	3+1*	Iron
TM	Screws 0.06 x 0.23in (1.7 x 6mm)	1+1*	Iron
AP	Screws 0.06 x 0.11in (1.5 x 3mm)	1+1*	Iron

* Replacement screws included

01 SOFTENING THE TIRE

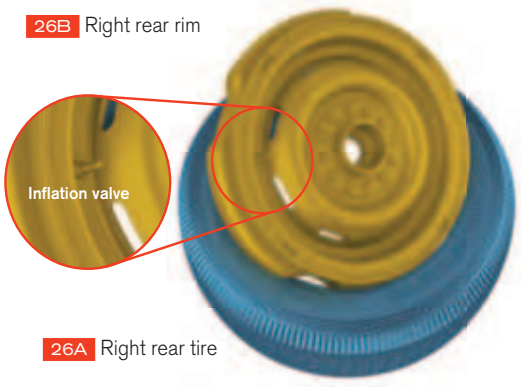


The right rear tire 26A is difficult to bend at room temperature, and it is hard to press onto the rim. We recommended you place it in a container with hot water (approx. 170° F / 75°C) for a few minutes. When warmed up it will soften and can easily be fitted.

Warning!
Take care when handling hot water and the tire to avoid scalding yourself.

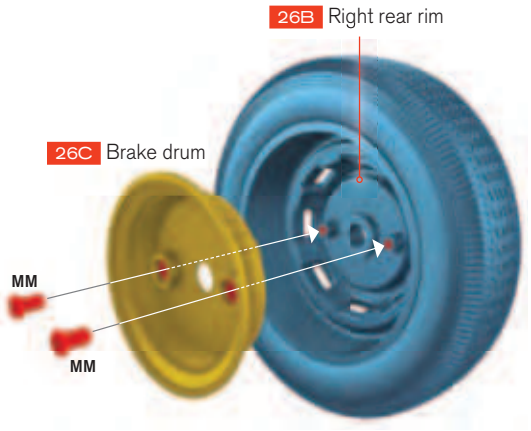
02 FITTING THE TIRE ON TO THE RIM

Place the rim 26B inside the tire 26A as shown in the picture and carefully press the sides to seat it onto the rim so that it is evenly distributed. ATTENTION: while fitting the tire DO NOT PRESS the inflation valve as it is very fragile.



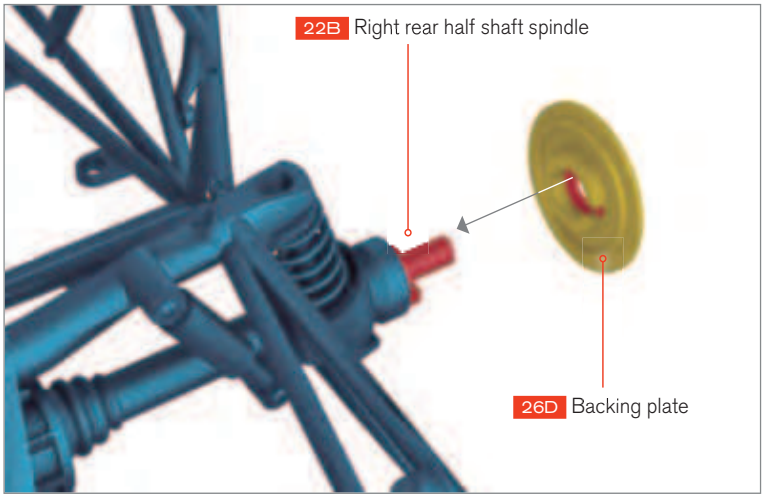
03 ASSEMBLING THE BRAKE DRUM

Place the brake drum 26C on the inside face of the rim 26B as shown in the image. Fix in place with two **MM** screws.



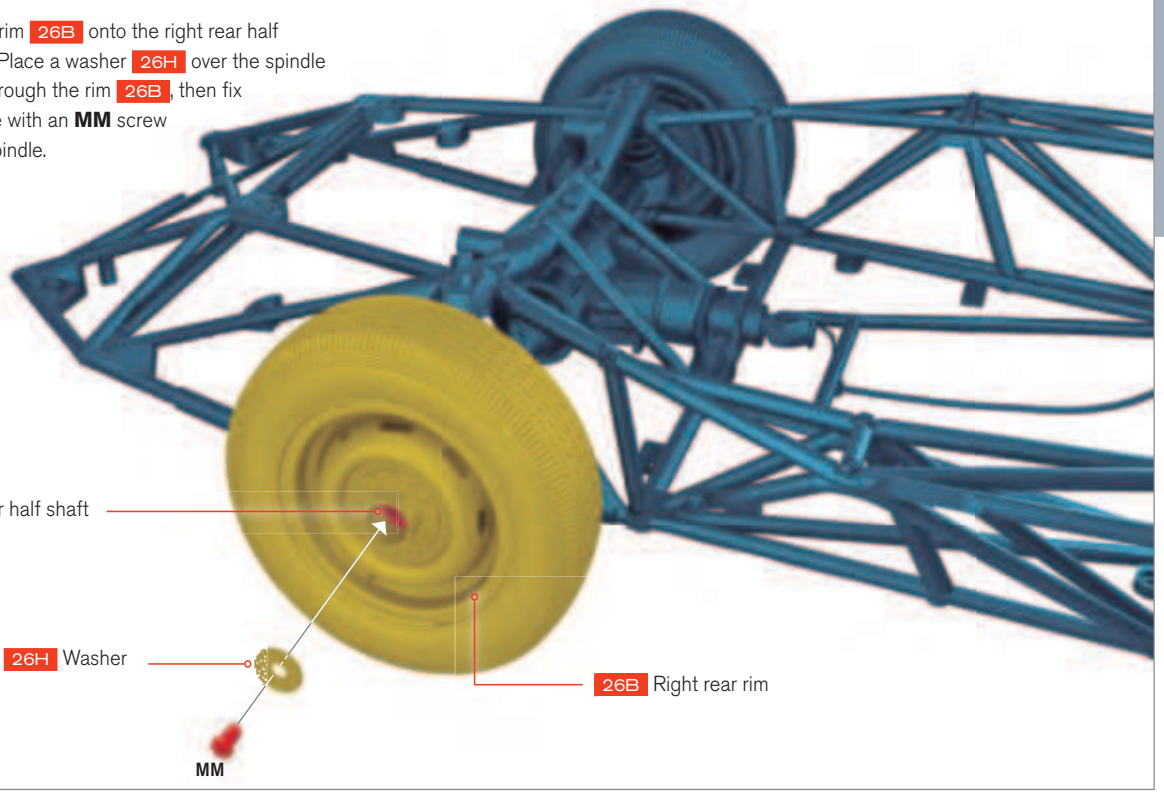
04 FITTING THE BRAKE DRUM

Fit the right brake backing plate 26D on to the right half shaft spindle 22B, ensuring that the slot in the backing plate is located over the notch below the spindle.



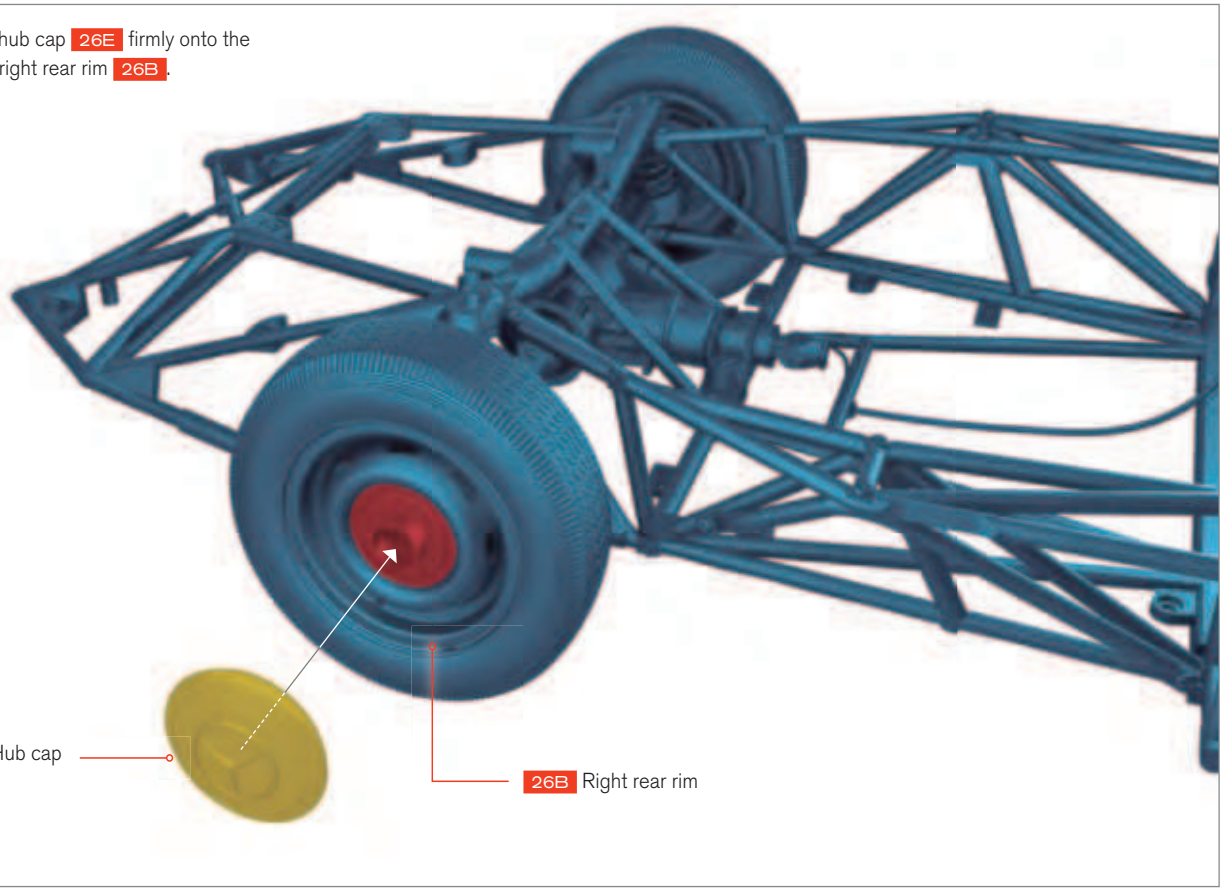
05 FITTING THE REAR RIGHT WHEEL

Fit the rear right rim 26B onto the right rear half shaft spindle 22B. Place a washer 26H over the spindle where it protrudes through the rim 26B, then fix the rim firmly in place with an **MM** screw into the end of the spindle.



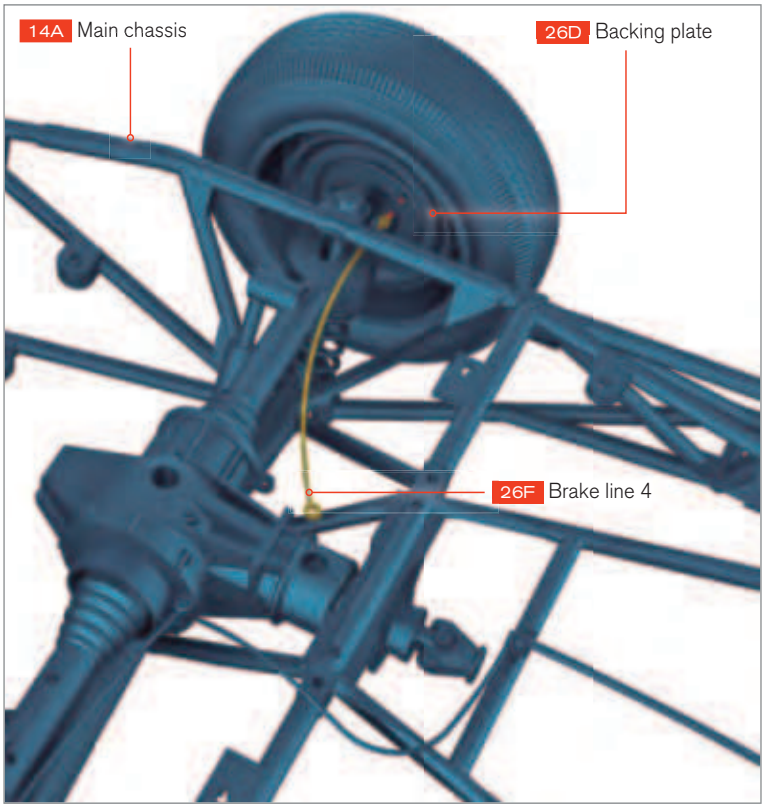
06 FITTING THE HUB CAP

Push the hub cap 26E firmly onto the center of the right rear rim 26B.



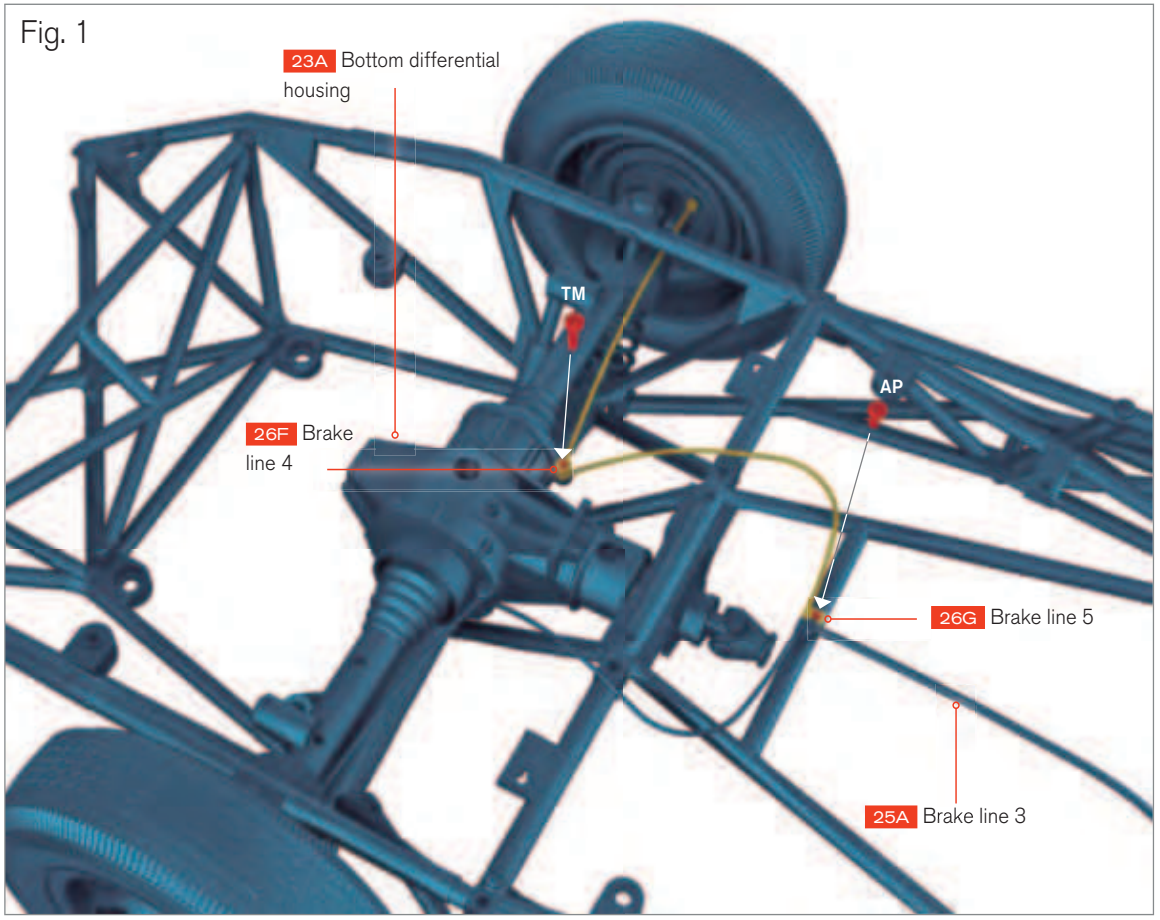
07 FITTING THE BRAKE LINES

With the model upside down and using tweezers, push the pin at the end of brake line 4 26F into the socket on the backing plate 26D, ensuring that it runs above the main chassis 14A – see Be careful! in the page margin. Align the loop at the other end of brake line 4 26F with the loop at the end of brake line 5 26G. Use a **TM** screw through both loops to fix them into the screw hole on the right of the bottom differential housing 23A. Then fix the front end of brake pipe 5 24G to the remaining screw hole on brake pipe 3 25A with an **AP** screw (figure 1).



Be careful!
Do not bend the brake lines while fitting them as they are not flexible.

Fig. 1



Assemble and fit the oil reservoir and brake booster vacuum tank to the left side of the main chassis.

PHASE 27 – REQUIRED PARTS

Code	Name	Quantity	Material
27A	Oil reservoir left side	1	ABS
27B	Oil reservoir cap	1	ABS
27C	Oil reservoir filler tube	1	ABS
27D	Oil reservoir right side	1	ABS
27E	Reservoir rear bracket	1	Zinc
27F	Reservoir front bracket	1	Zinc
27G	Brake booster vacuum tank	1	ABS
27H	Vacuum tank top bracket	1	ABS
EM	Screws 0.07 x 0.19in (2 x 5mm)	4+2*	Iron
EP	Screws 0.06 x 0.15in (1.7 x 4mm)	1+1*	Iron
HP	Screws 0.07 x 0.15in (2 x 4mm)	2+1*	Iron
NP	Screws 0.09 x 0.19in (2.3 x 5mm)	3+1*	Iron

* Replacement screws included

01 FITTING THE OIL RESERVOIR FILLER TUBE AND CAP

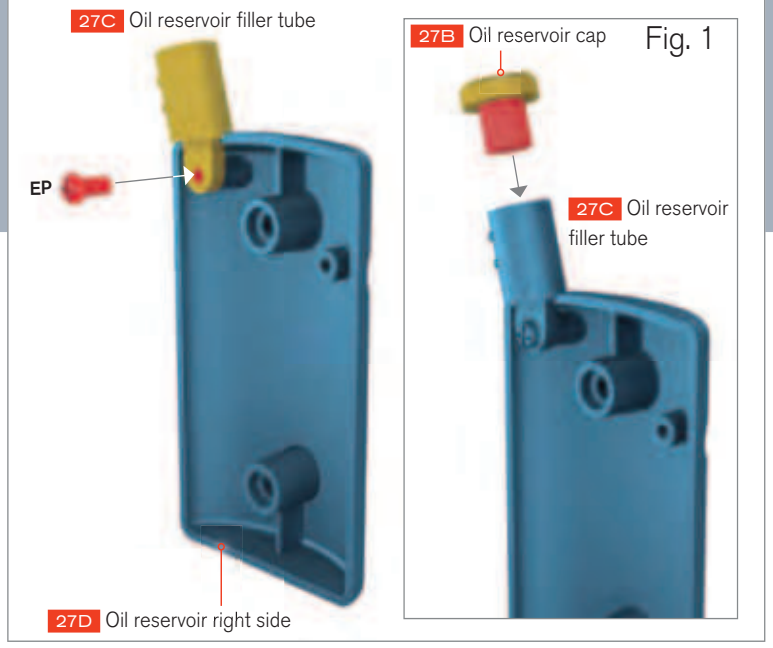
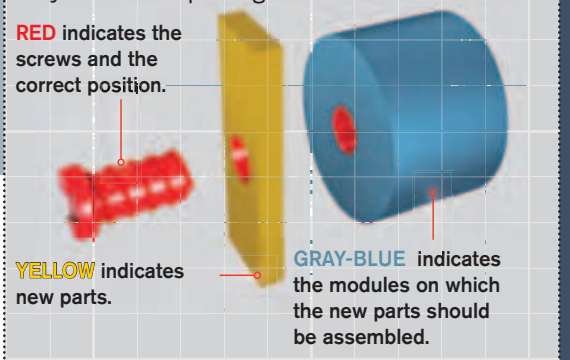


Fig. 1

COLOR CODING

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



Fit the tab at the base of the oil reservoir filler tube 27C over the socket at the top of the oil reservoir right side 27D, ensuring that the two small pins face forwards. Fix in place with an **EP** screw. Then carefully push the oil reservoir cap 27B into the top of the filler tube 27C (figure 1).

02 FITTING THE OIL RESERVOIR BRACKETS

Fit the reservoir rear bracket 27E into the hole near the top outer edge of the right side of the oil reservoir 27D so that the tab aligns with the screw post. Fix in place with an **HP** screw. Then fit the reservoir front bracket 27F into the hole near the top outer edge of the left side of the oil reservoir 27A so that the tab aligns with the screw post. Fix in place with an **HP** screw (figure 1). Join the two halves of the oil reservoir 27D and 27A and fix them together with two **NP** screws (figure 2).

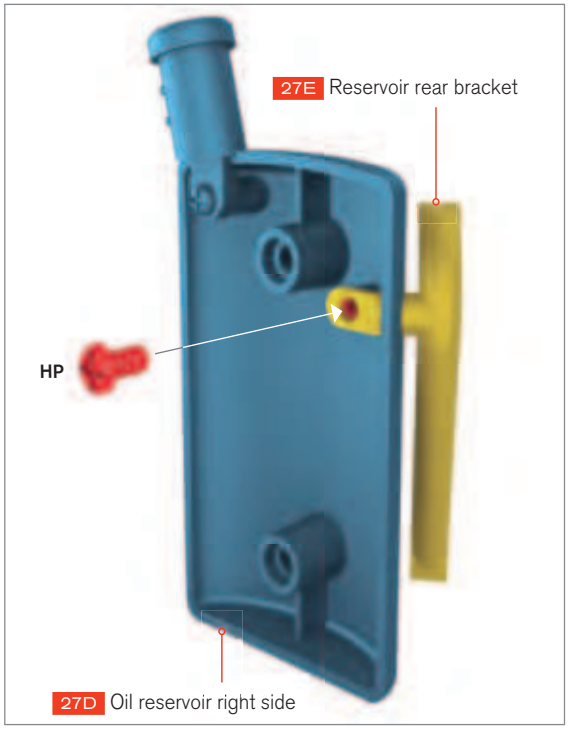


Fig. 1

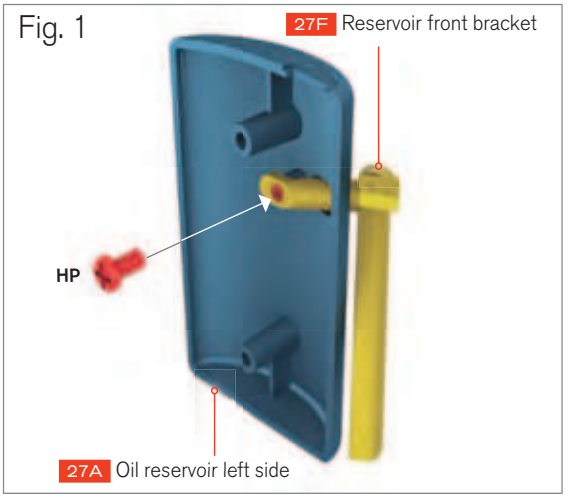
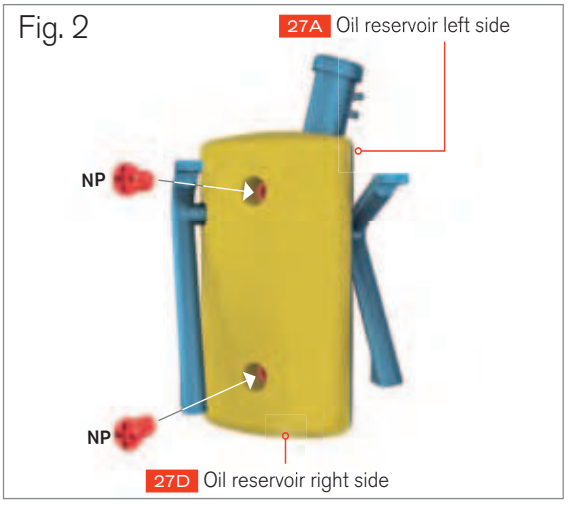


Fig. 2



Notice that the reservoir rear bracket (27E) is longer than the reservoir front bracket (27F).

03 FITTING THE OIL RESERVOIR TO THE MAIN CHASSIS

Align the top of the reservoir rear bracket 27E and the top of the reservoir front bracket 27F with the two corresponding screw holes on the left side tubular frame 15A and fix them in place with two **EM** screws. Align the bottom of the reservoir rear bracket 27E and the bottom of the reservoir front bracket 27F with the two corresponding screw holes in the main chassis 14A and fix them in place with two **EM** screws (figure 1).

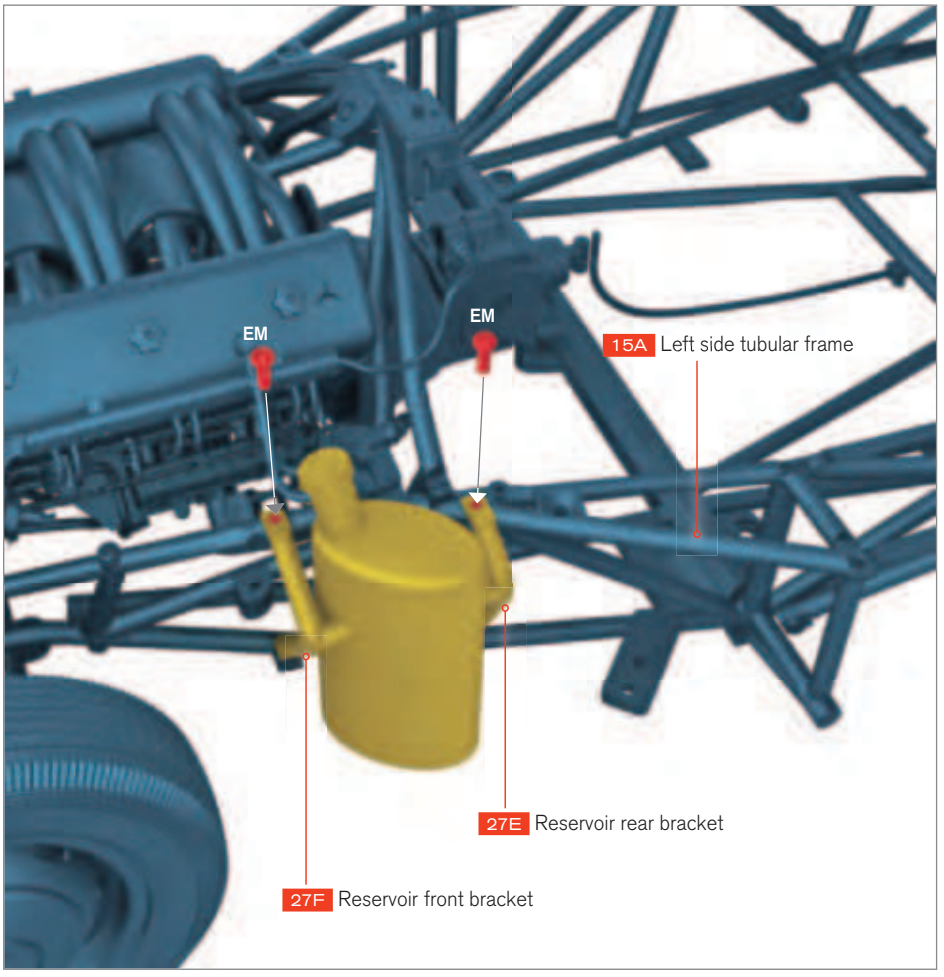
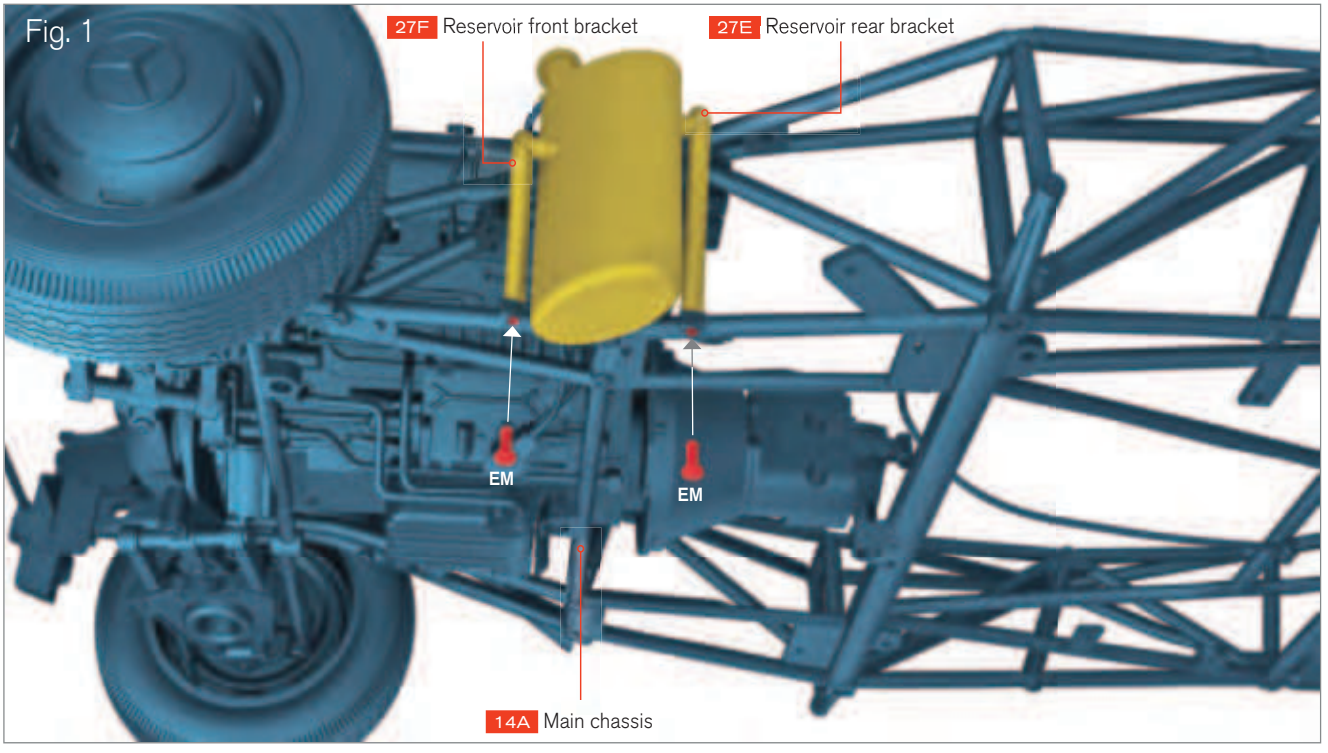


Fig. 1



04 FITTING THE BRAKE BOOSTER VACUUM TANK

Push the vacuum tank top bracket 27H into the top of the brake booster vacuum tank 27G, ensuring that the tab in the rim aligns with the notch. Clip the vacuum tank top bracket 27H over the left side tubular frame 15A in the position shown (figure 1). Then sit the tank on the support flange protruding from the left side of the main chassis 14A and fix it in place with an **NP** screw from below (figure 2).

Fig. 1

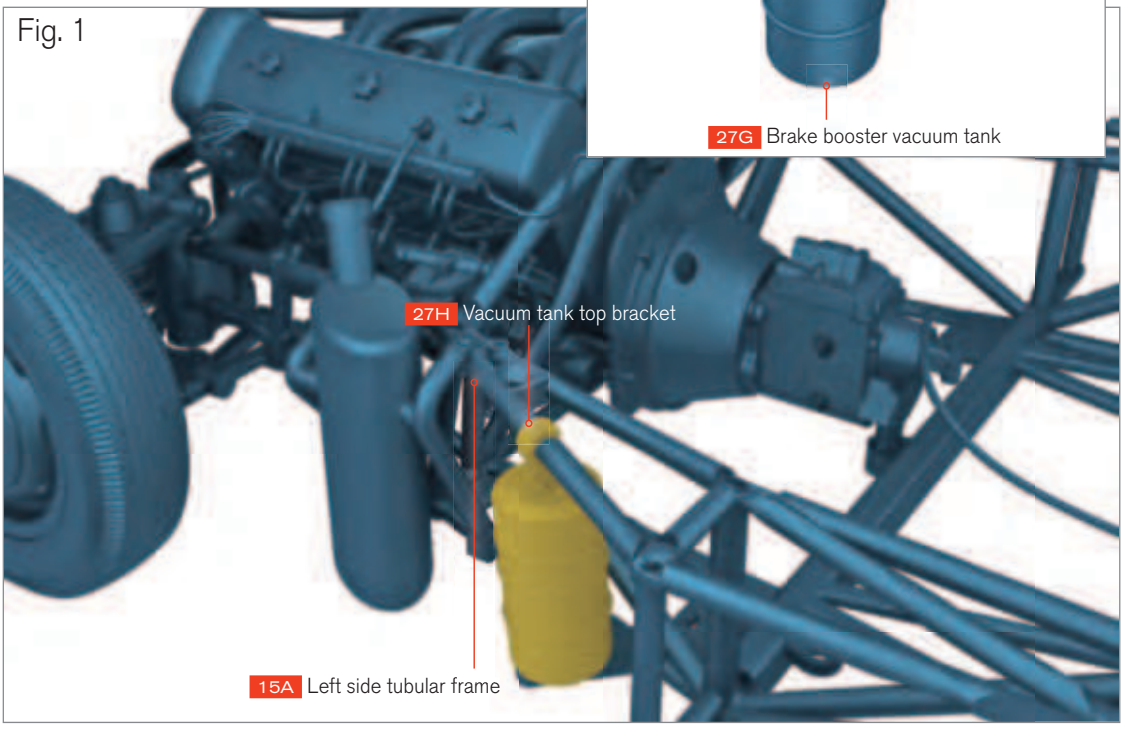
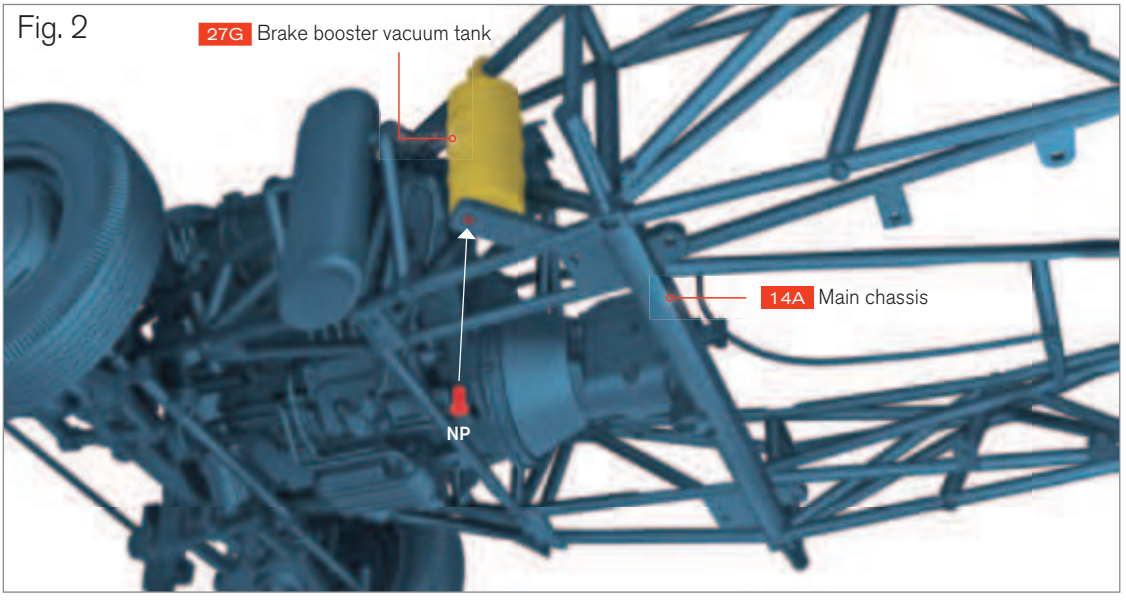
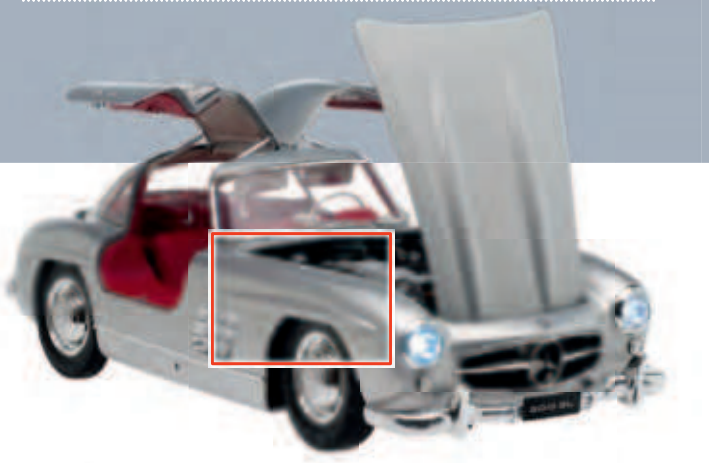


Fig. 2



Assemble and fit the coolant expansion tank to the right side of the main chassis.



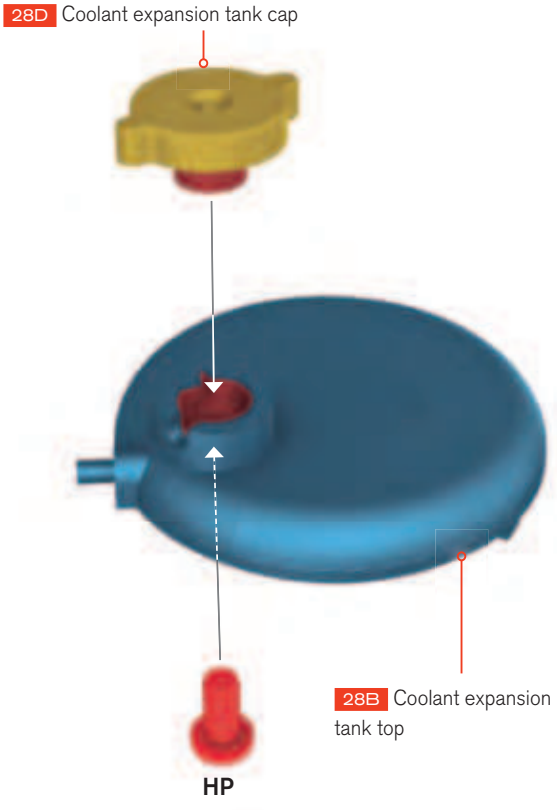
PHASE 28 – REQUIRED PARTS

Code	Name	Quantity	Material
28A	Coolant expansion tank	1	ABS
28B	Coolant tank top	1	ABS
28C	Coolant hose	1	ABS
28D	Coolant expansion tank cap	1	ABS
HP	Screws 0.07 x 0.15in (2 x 4mm)	1 + 1*	Iron
KP	Screws 0.07 x 0.23in (2 x 6mm)	1 + 1*	Iron

* Replacement screws included

01 THE COOLANT EXPANSION TANK CAP

Fit the coolant expansion tank cap 28D to the coolant expansion tank top 28B, ensuring that the notch on the cap fits into the larger slot in the rim. Fix in place with an **HP** screw.

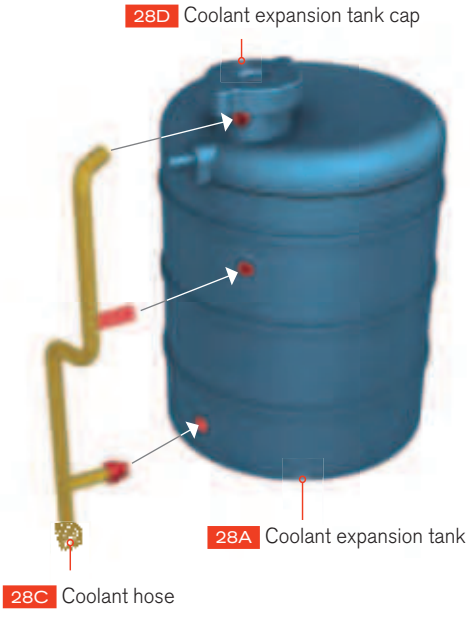


02 THE COOLANT EXPANSION TANK TOP

Push the expansion tank top 28B firmly into the top of the expansion tank 28A, ensuring that the two inner tabs on the cover align with their corresponding slots inside the tank.

03 THE COOLANT EXPANSION TANK HOSE

Fit the top of the coolant hose 28C into the hole under the coolant tank cap 28D. Push the two pins on the side of the hose into the two holes in the expansion tank 28A.



04 INSTALLING THE COOLANT EXPANSION TANK

Stand the expansion tank 28A on the support flange on the right side of the bulkhead frame 17A. Ensure that the pin on the underside of the tank fits into the rear hole on the support flange. Fix in place with a **KP** screw through the underside of the flange (figure 1).

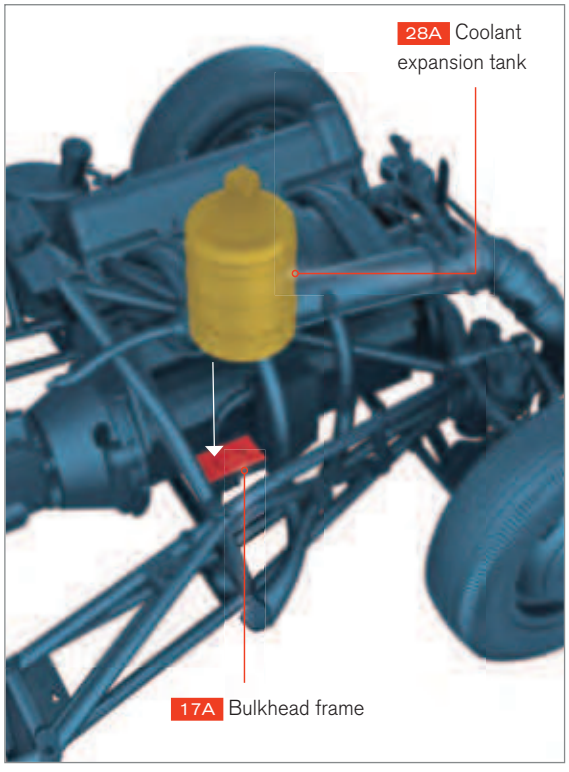
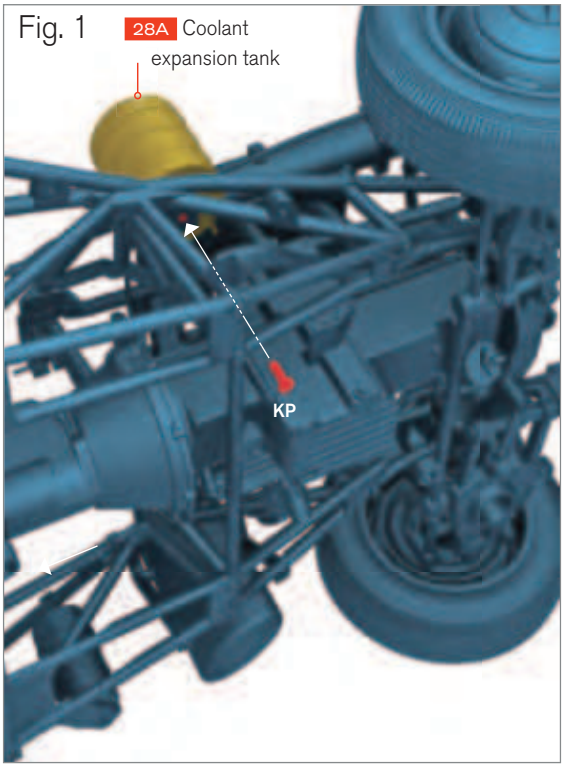
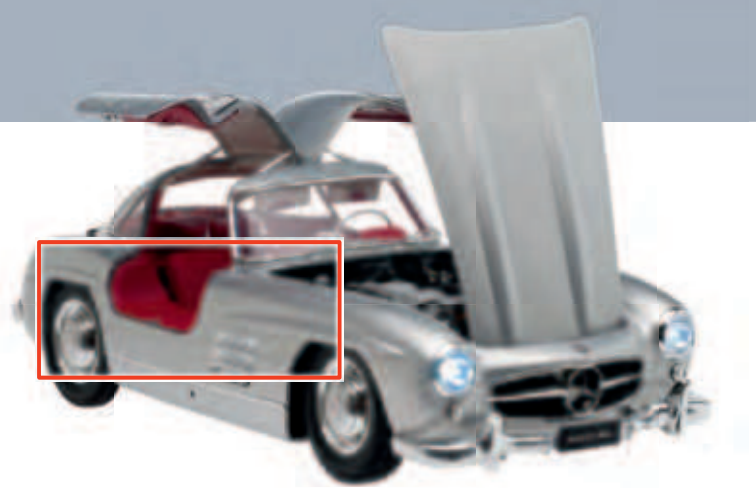


Fig. 1



When assembling the model upside down, work on a pad of soft cloth to protect the delicate engine parts.

Fit the driveshaft, two rear axle guards and the battery to the back of the main chassis.

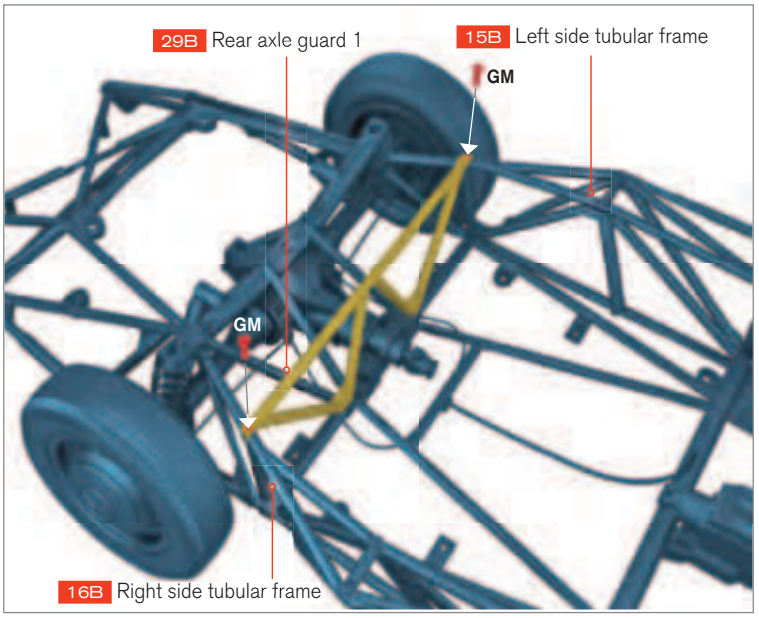


PHASE 29 – REQUIRED PARTS

Code	Name	Quantity	Material
29A	Driveshaft	1	Zinc
29B	Rear axle guard 1	1	Zinc
29C	Rear axle guard 2	1	Zinc
29D	Battery	1	ABS
29E	Battery holder	1	ABS
CM	Screws 0.07 x 0.15in (2 x 4mm)	2 + 1*	Iron
EM	Screws 0.07 x 0.19in (2 x 5mm)	4 + 2*	Iron
GM	Screws 0.07 x 0.27in (2 x 7mm)	2 + 1*	Iron
HM	Screws 0.07 x 0.31in (2 x 8mm)	3 + 1*	Iron
MP	Screws 0.09 x 0.15in (2.3 x 4mm)	2 + 1*	Iron

* Replacement screws included

01 FITTING REAR AXLE GUARD 1



Position the rear axle guard 1 29B across the main chassis, with the long crossbar at the top. Align the hole on the top left of the frame with the socket in the left side tubular frame 15B and fix in place with a **GM** screw. Align the hole on the top right of the frame with the socket in the right side tubular frame 16B and fix in place with a **GM** screw. Align the lower parts of the frame with the sockets in the main chassis 14A on either side of the differential support bracket and fix with two **HM** screws from underneath (figure 1).

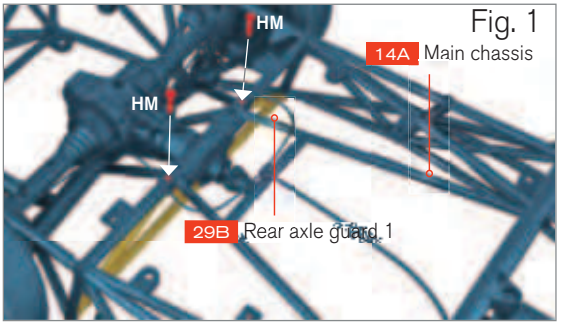
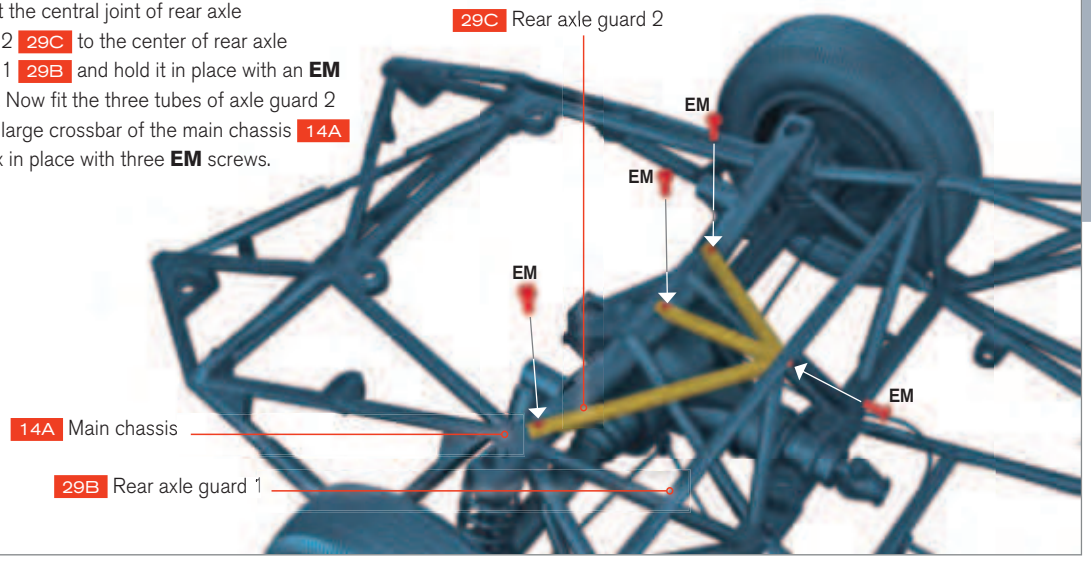


Fig. 1

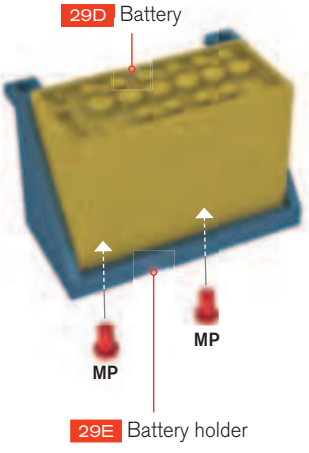
02 FITTING REAR AXLE GUARD 2

Fit the central joint of rear axle guard 2 29C to the center of rear axle guard 1 29B and hold it in place with an **EM** screw. Now fit the three tubes of axle guard 2 to the large crossbar of the main chassis 14A and fix in place with three **EM** screws.



03 FITTING THE BATTERY

Fit the battery 29D into the battery holder 29E. Note that the screw holes will only align with the battery fitted the correct way round. Fix in place with two **MP** screws. Then fit the battery holder 29E to the top of the rear axle guard 1 29B and fix in place with two **CM** screws (figure 1).



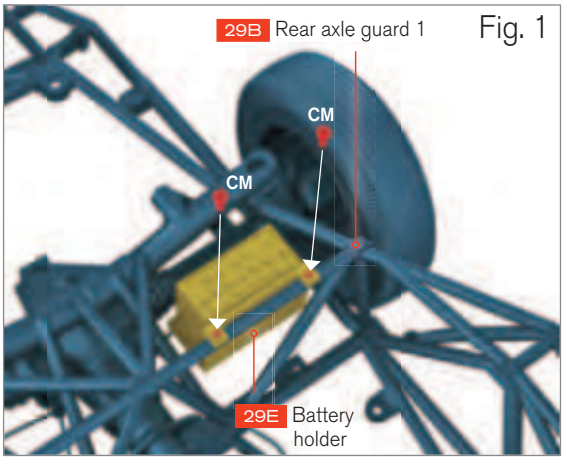
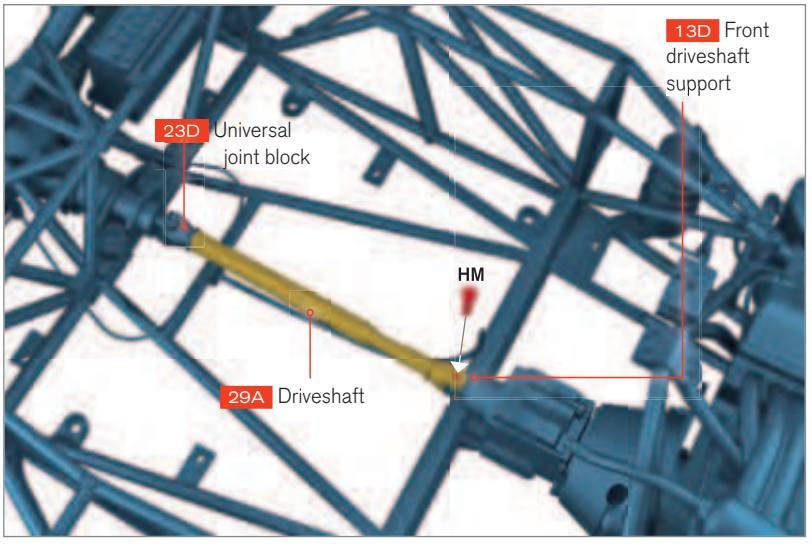


Fig. 1

04 INSTALLING THE DRIVESHAFT

Fit the pin at the end of the driveshaft 29A into the socket in the universal joint 23D. Then slide the front jaws of the driveshaft into the front driveshaft support 13D and fix in place with an **HM** screw.

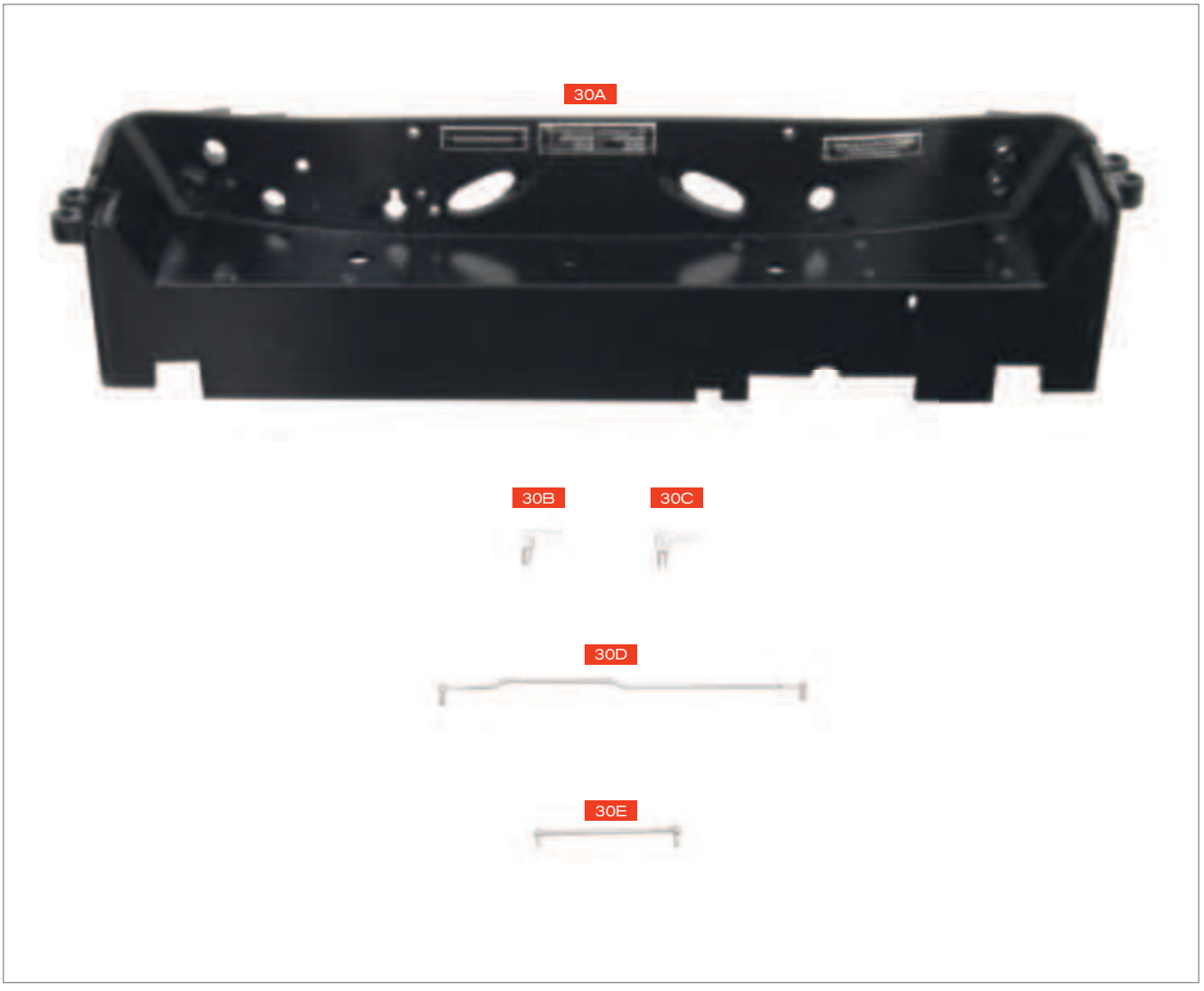


Note that the gearbox is offset from the differential, so the driveshaft runs between the two at a slight angle.

Assemble and fit the wiper linkage mechanism to the firewall.

PHASE 30 – REQUIRED PARTS

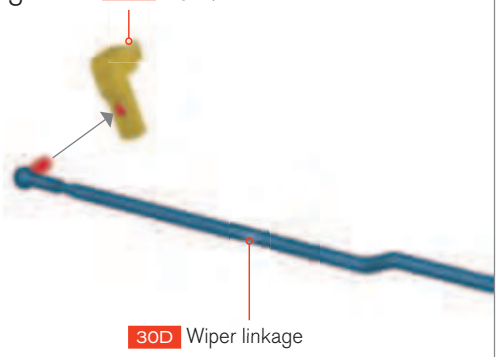
Code	Name	Quantity	Material
30A	Firewall	1	Zinc
30B	Right pivot	1	ABS
30C	Left pivot	1	ABS
30D	Wiper linkage	1	ABS
30E	Wiper transmission arm	1	ABS



01 ASSEMBLING THE WINDSHIELD WIPER LINKAGE

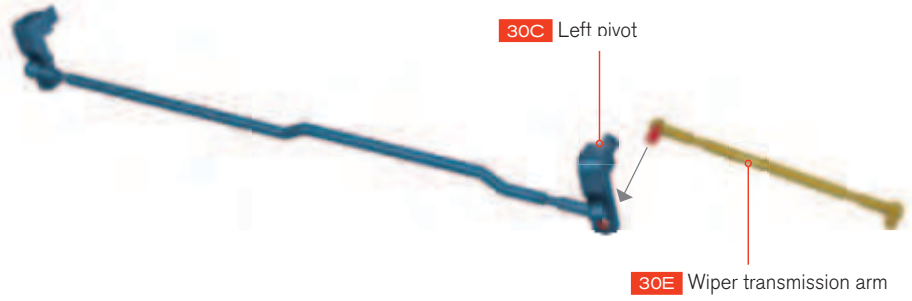
Push the pin at the left end of the wiper linkage 30D into the top hole in the left pivot 30C, orientated as shown. Push the pin at the right end of the wiper linkage 30D into the hole in the right pivot 30B, orientated as shown (figure 1).

Fig. 1



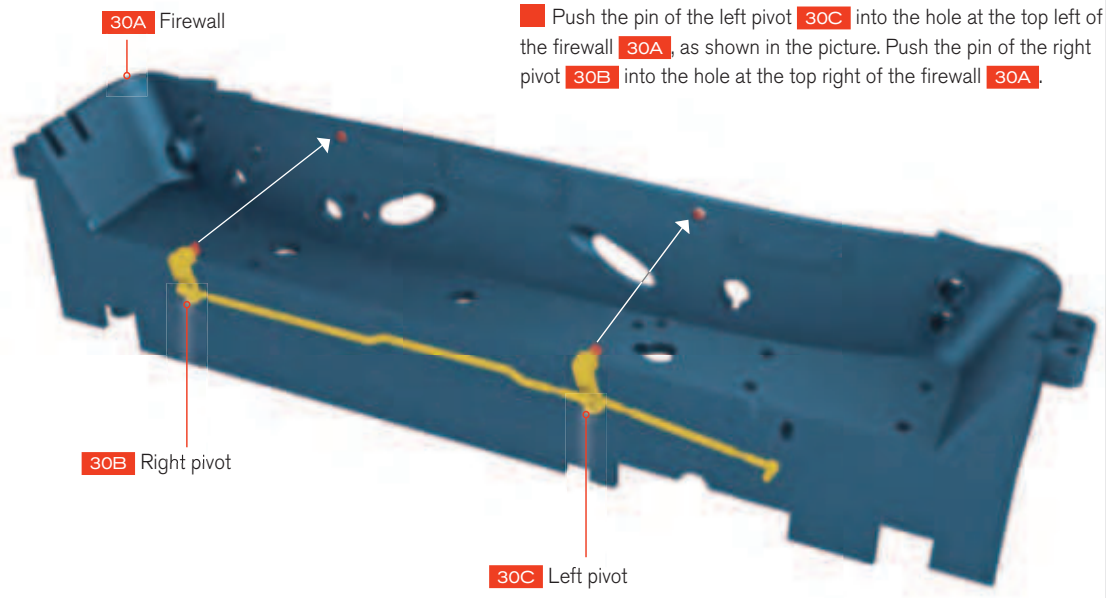
02 CONNECTING THE WIPER TRANSMISSION ARM

Push the pin at one end of the wiper transmission arm 30E – from behind – into the bottom hole in the left pivot 30C, orientated as shown.



03 FITTING THE WIPER LINKAGE ASSEMBLY TO THE FIREWALL

Push the pin of the left pivot 30C into the hole at the top left of the firewall 30A, as shown in the picture. Push the pin of the right pivot 30B into the hole at the top right of the firewall 30A.



The free end of the wiper transmission arm 30E will be connected later.

Install the ignition and headlight relays, and assemble and fit the ignition coil.

PHASE 31 – REQUIRED PARTS

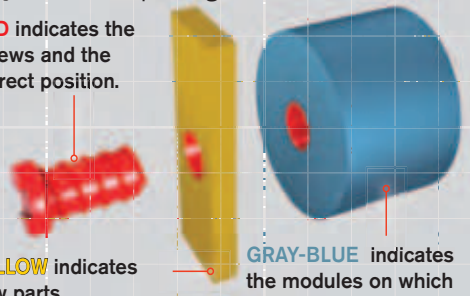
Code	Name	Quantity	Material
31A	Ignition relay	1	ABS
31B	Ignition coil bottom	1	ABS
31C	Firewall left hose A	1	ABS
31D	Wiring harness	1	ABS
31E	Headlight relay	1	ABS
31F	Ignition coil top	1	ABS
CM	Screws 0.07 x 0.15in (2 x 4mm)	1 + 1*	Iron
DP	Screws 0.06 x 0.11 x 0.17in (1.7 x 3 x 4.5mm)	1 + 1*	Iron
HP	Screws 0.07 x 0.15in (2 x 4mm)	1 + 1*	Iron
IP	Screws 0.07 x 0.11 x 0.19in (2 x 3 x 5mm)	2 + 1*	Iron

* Replacement screws included

COLOR CODING

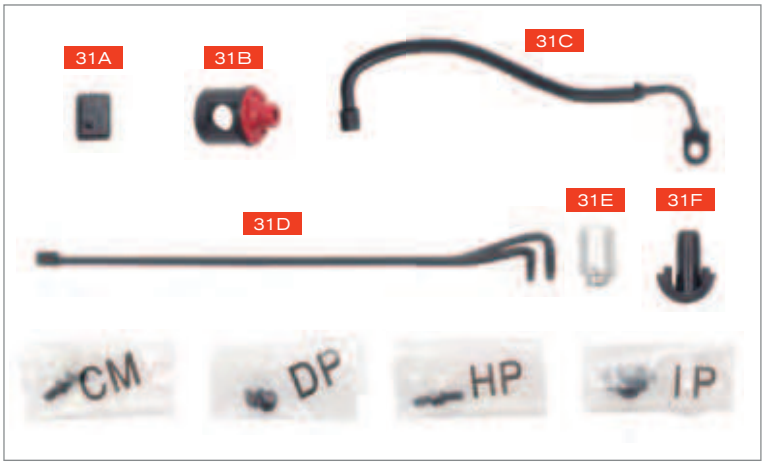
The color coding of the parts shows how they should be put together.

RED indicates the screws and the correct position.

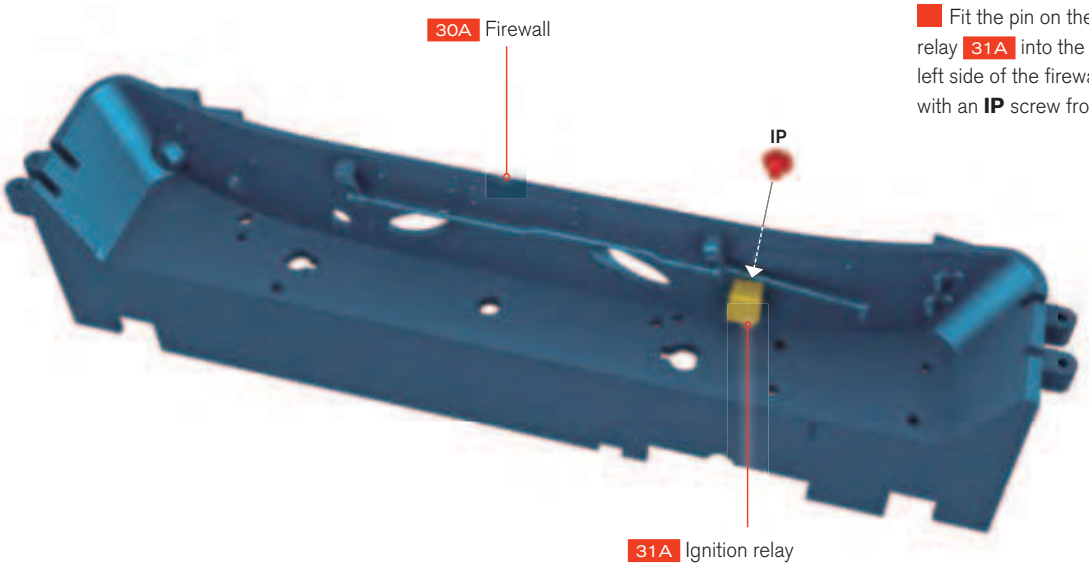


YELLOW indicates new parts.

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



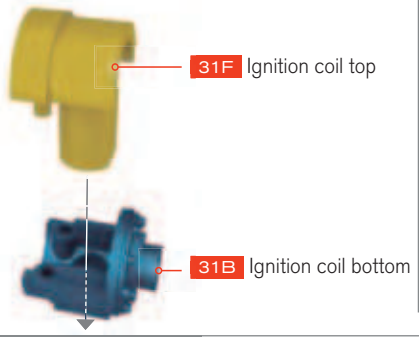
01 FITTING THE IGNITION RELAY



Fit the pin on the back of the ignition relay 31A into the notched socket in the left side of the firewall 30A. Fix in place with an **IP** screw from behind the firewall.

02 INSTALLING THE IGNITION COIL

Push the ignition coil top 31F firmly into the ignition coil bottom 31B. Then locate the post on the bottom of the ignition coil top 31F into its hole in the bottom left of the firewall 30A beneath the ignition relay 31A. Fix with an **IP** screw from beneath the firewall (figure 1).



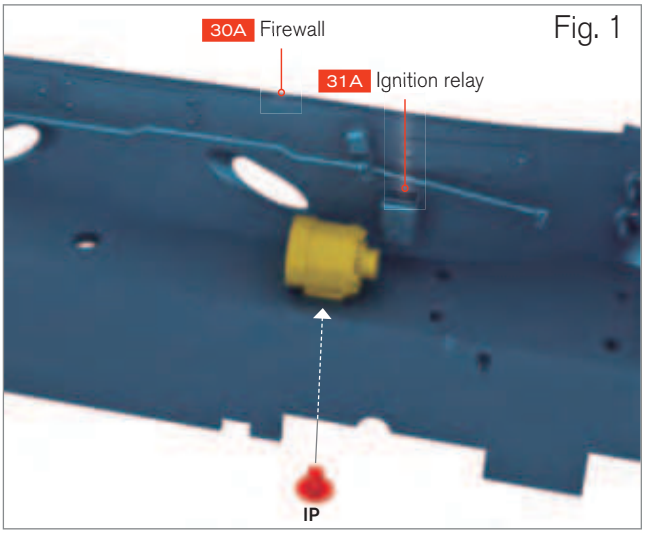


Fig. 1

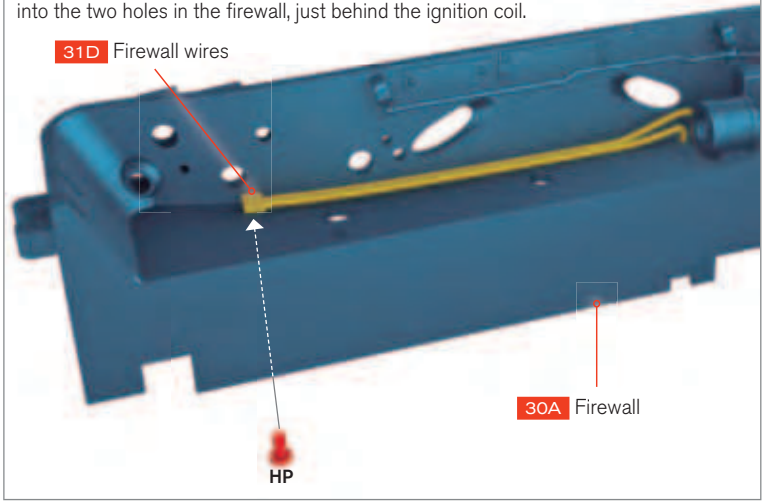
03 FITTING THE FIREWALL LEFT HOSE A

Fit the connector loop at the end of the firewall left hose A 31C over the front screw hole on the left side of the firewall 30A as shown in the picture. Fix in place with a **CM** screw.

When fitting these parts to the firewall, be careful not to touch the delicate bonnet release levers and catches fitted previously.

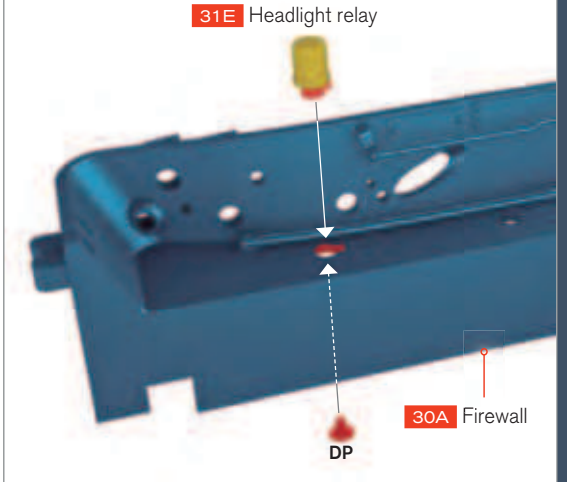
04 FITTING THE WIRING HARNESS

Align the square end of the wiring harness 31D over the correct hole on the bottom of the right side of the firewall 30A as shown in the picture. Fix in place with an **HP** screw from underneath the firewall. Push the other two ends of the harness into the two holes in the firewall, just behind the ignition coil.



05 FITTING THE HEADLIGHT RELAY

Fit the peg of the headlight relay 31E into its corresponding hole on the right side of the bottom of the firewall 30A. Fix with a **DP** screw from underneath the firewall.



Assemble and fit the windshield washer tank, the fuse box, and hoses to the firewall.

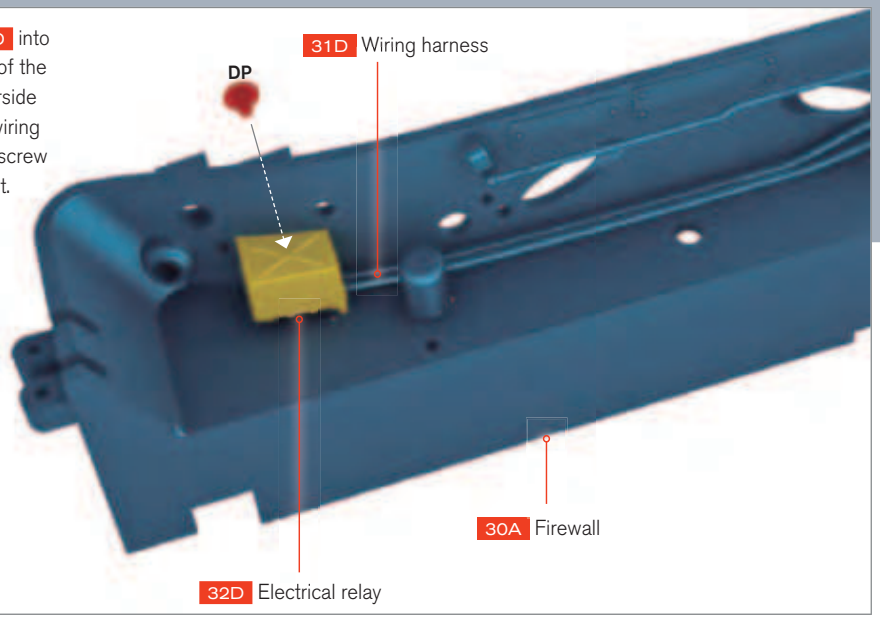
PHASE 32 – REQUIRED PARTS

Code	Name	Quantity	Material
32A	Windshield washer tank	1	Mixed
32B	Windshield washer hose	1	ABS
32C	Fuse box	1	ABS
32D	Electrical relay	1	ABS
32E	Firewall right hose A	1	ABS
32F	Firewall right hose B	1	ABS
32G	Firewall right hose C	1	ABS
32H	Windshield washer tank bracket	1	ABS
CM	Screws 0.07 x 0.15in (2 x 4mm)	4+2*	Iron
DP	Screws 0.06 x 0.11 x 0.17in (1.7 x 3 x 4.5mm)	2+1*	Iron
IP	Screws 0.07 x 0.11 x 0.19in (2 x 3 x 5mm)	2+1*	Iron

* Replacement screws included

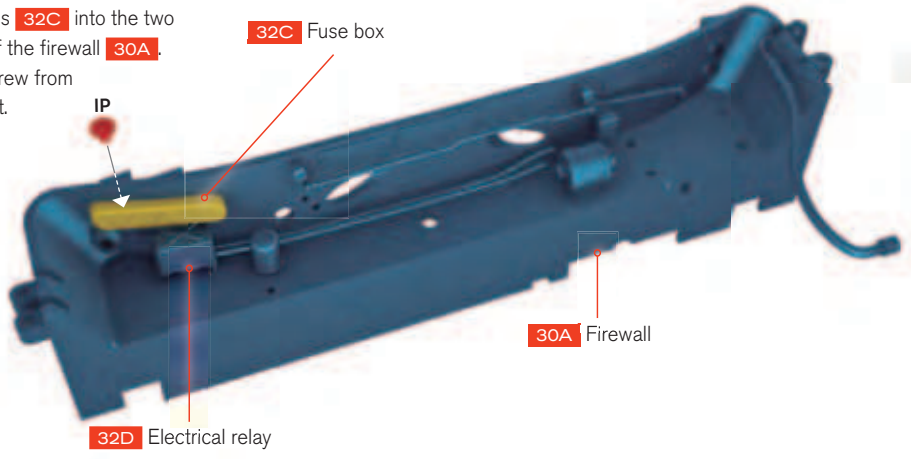
01 INSTALLING AN ELECTRICAL RELAY

Fit the electrical relay 32D into the socket in the bottom right of the firewall 30A so that its underside covers the square end of the wiring harness 31D. Fix with a **DP** screw from behind the firewall upright.



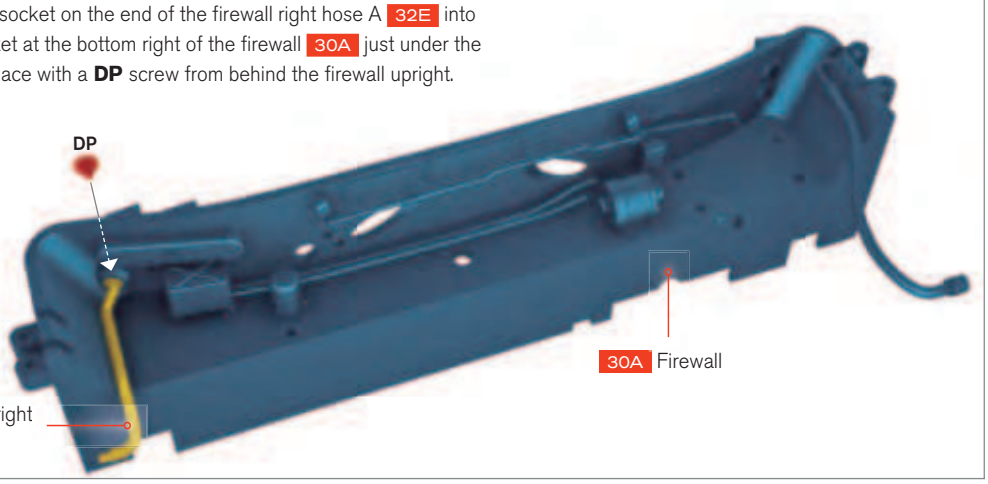
02 FITTING THE FUSE BOX TO THE FIREWALL

Push the fuse box pins 32C into the two holes in the upper right of the firewall 30A. Fix in place with an **IP** screw from behind the firewall upright.



03 FITTING THE FIREWALL RIGHT HOSE A

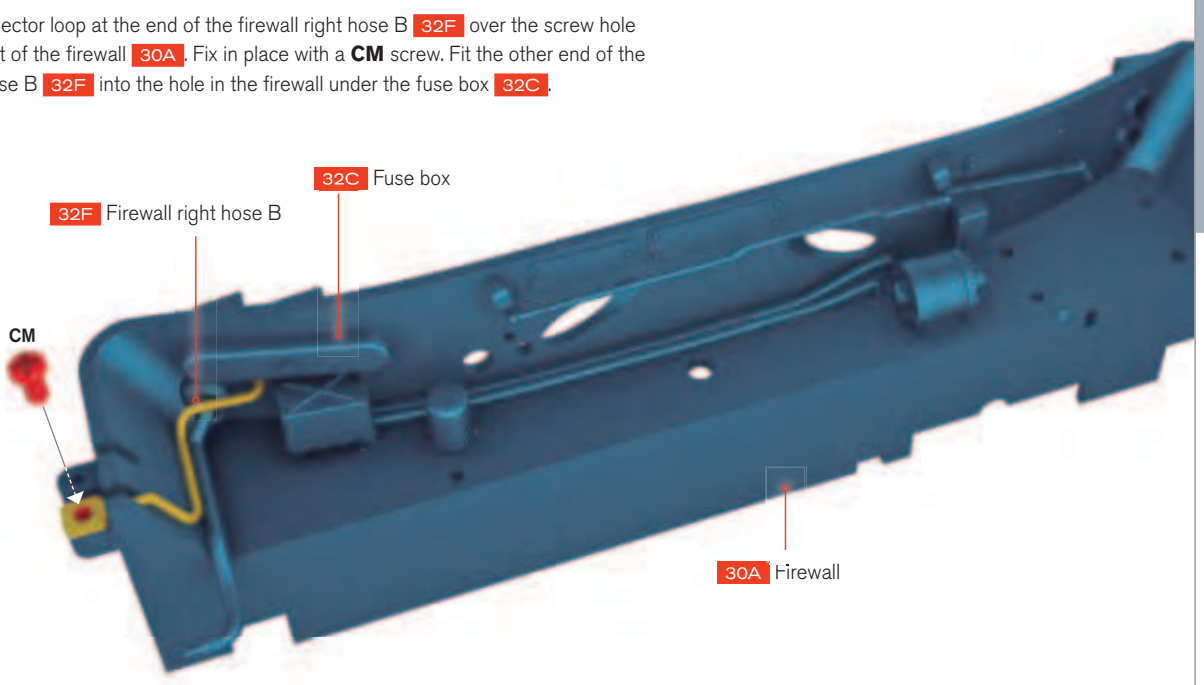
Fit the screw socket on the end of the firewall right hose A 32E into the notched socket at the bottom right of the firewall 30A just under the fuse box. Fix in place with a **DP** screw from behind the firewall upright.



When fitting these parts to the firewall, be careful not to damage the fragile windshield wiper parts previously installed.

04 FITTING THE FIREWALL RIGHT HOSE B

Fit the connector loop at the end of the firewall right hose B 32F over the screw hole at the front right of the firewall 30A. Fix in place with a **CM** screw. Fit the other end of the firewall right hose B 32F into the hole in the firewall under the fuse box 32C.



05 FITTING THE WINDSHIELD WASHER TANK

Fit the windshield washer tank 32A into the windshield washer tank bracket 32H so that the screw guides are at the bottom. Then align the bracket 32H over the two holes at the front right of the firewall 30A and fix in place with two **CM** screws (figure 1).

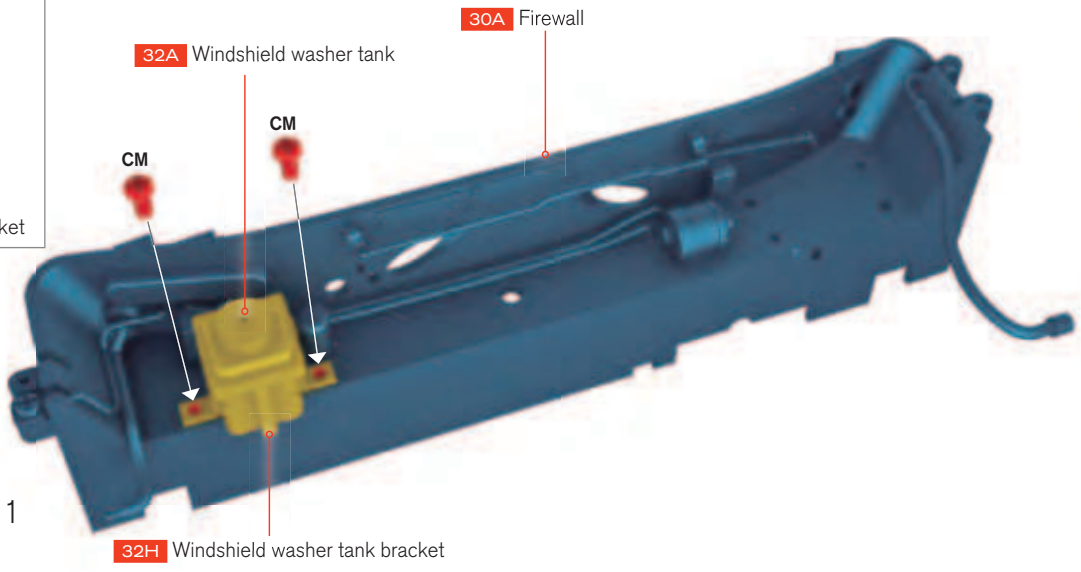
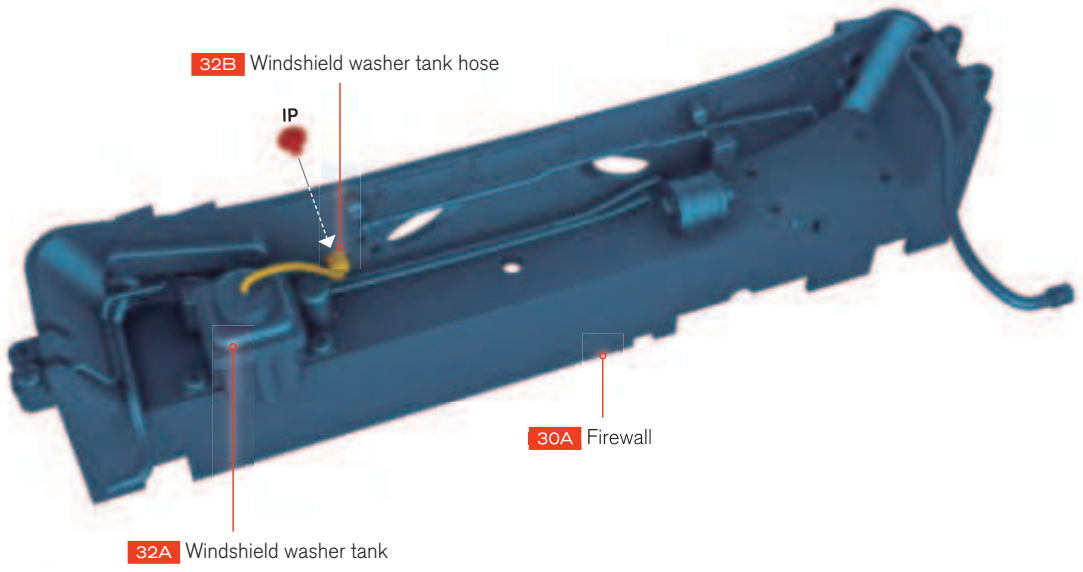


Fig. 1

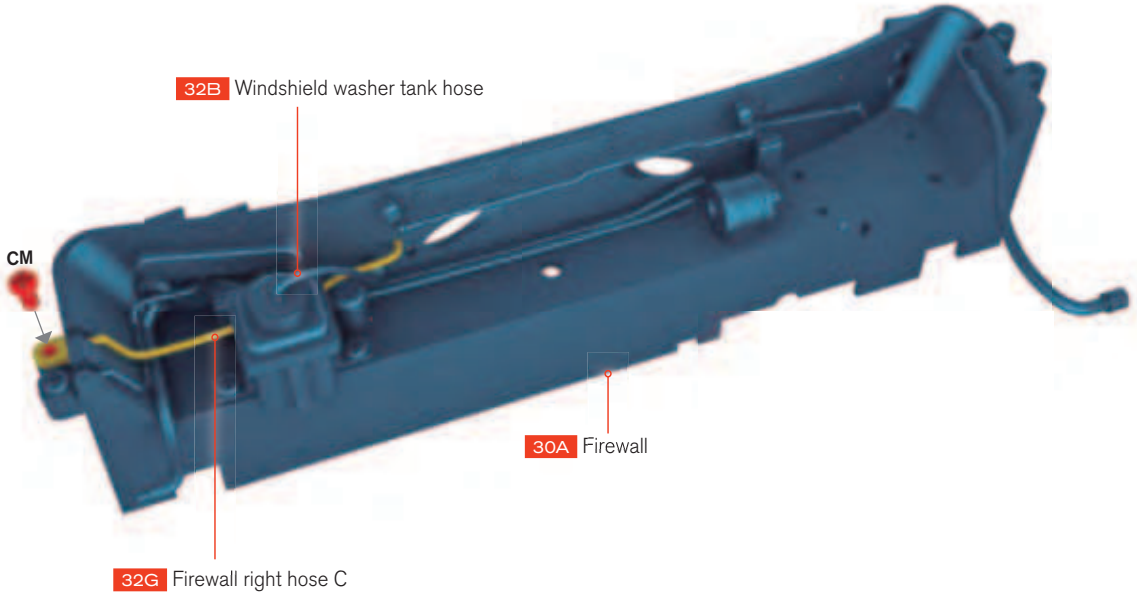
06 FITTING THE WINDSHIELD WASHER HOSE

Push the thin end of the windshield washer hose 32B into the top of the windshield washer tank 32A. Then use tweezers to position the collared end of the hose into the socket in the firewall upright 30A to the left of the tank, as shown. Fix from behind the firewall with an **IP** screw.



07 FITTING THE FIREWALL RIGHT HOSE C

Place the connector loop at the end of the firewall right hose C 32G over the screw hole at the rear right side of the firewall 30A. Fix with a **CM** screw. Run the other end of the firewall right hose C 32G behind the windshield washer tank and into the hole in the firewall close to the windshield washer hose 32B as shown.

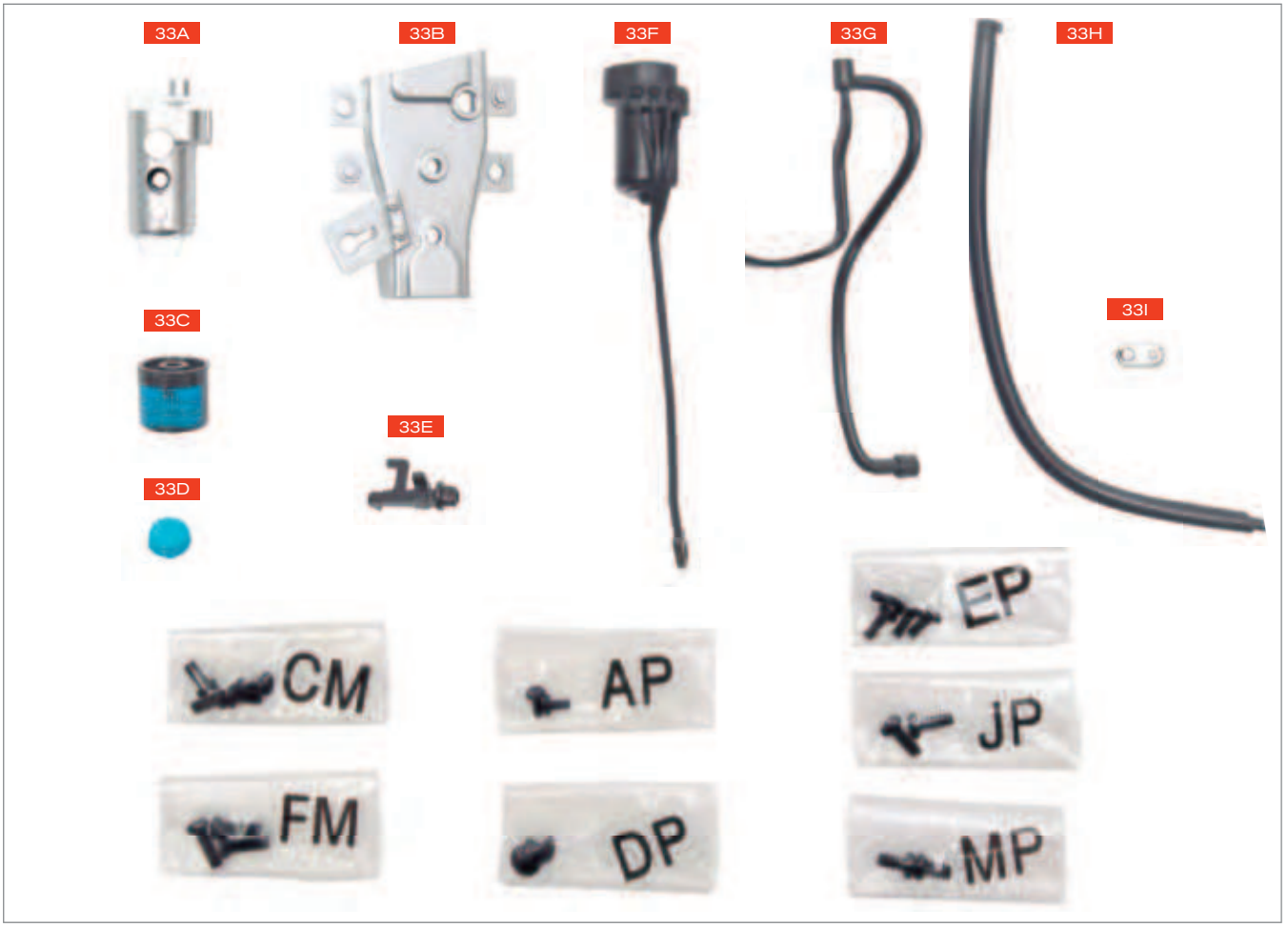


Assemble and install the windshield wiper motor, brake fluid reservoir, hood release catch, wiper linkage cam, and hoses to the firewall, then fit the firewall to the main chassis.

PHASE 33 – REQUIRED PARTS

Code	Name	Quantity	Material
33A	Windshield wiper motor (bottom)	1	ABS
33B	Windshield wiper motor bracket	1	ABS
33C	Brake fluid reservoir	1	ABS
33D	Brake fluid reservoir top	1	ABS
33E	Hood release catch	1	ABS
33F	Windshield wiper motor (top)	1	ABS/PVC
33G	Firewall left hose A and B	1	ABS
33H	Firewall left hose C	1	ABS
33I	Wiper linkage cam	1	ABS
CM	Screws 0.07 x 0.15in (2 x 4mm)	3 + 1*	Iron
FM	Screws 0.07 x 0.23in (2 x 6mm)	2 + 1*	Iron
AP	Screws 0.05 x 0.11in (1.5 x 3mm)	1 + 1*	Iron
DP	Screws 0.06 x 0.11 x 0.17in (1.7 x 3 x 4.5mm)	1 + 1*	Iron
EP	Screws 0.06 x 0.15in (1.7 x 4mm)	3 + 1*	Iron
JP	Screws 0.07 x 0.19in (2 x 5mm)	1 + 1*	Iron
MP	Screws 0.09 x 0.15in (2.3 x 4mm)	1 + 1*	Iron

* Replacement screws included



01 FITTING FIREWALL LEFT HOSE A AND B

Fit the joined end of the firewall left hose A and B 33G into the lower of the two holes in the left rear of the firewall 30A. Fix the joint in place with an **EP** screw from behind the firewall. Insert the tip of the shorter of the other two ends into the socket in the lower front panel of the firewall 30A as shown.

02 THE WINDSHIELD WIPER MOTOR

Fit the wiper linkage cam 33I to the axle protruding from the windshield wiper motor (bottom) 33A. Fix with an **AP** screw through the larger hole in the cam. Do not over-tighten the screw, so that the cam can still turn freely. Then fit the windshield wiper motor (top) 33F to the windshield wiper motor (bottom) 33A and fix the parts together with an **EP** screw (figure 1).

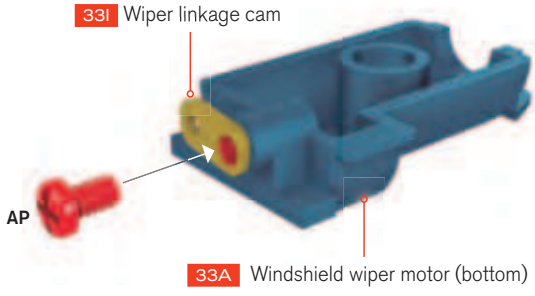
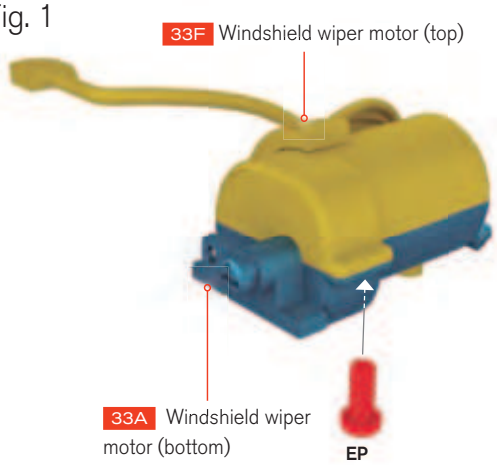
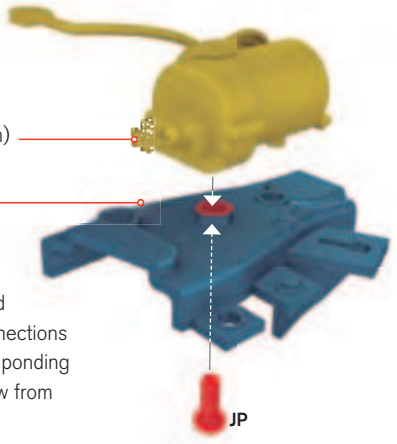


Fig. 1

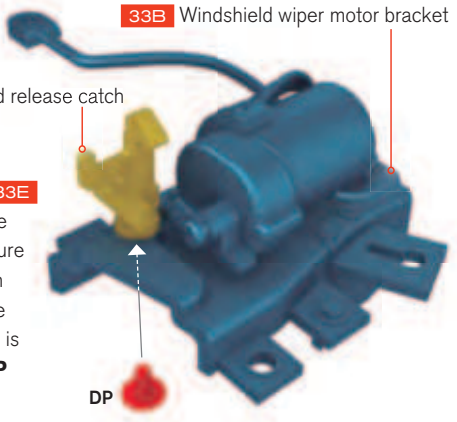


03 THE WINDSHIELD WIPER MOTOR BRACKET



Fit the assembled windshield wiper motor 33A / 33F onto the windshield wiper motor bracket 33B so that connections underneath the motor fit into the corresponding holes in the bracket. Fix with a **JP** screw from underneath the frame.

04 FITTING THE HOOD RELEASE CATCH



Fit the hood release catch 33E into the socket at the front of the wiper motor bracket 33B. Ensure that the flat surface on the catch pin aligns with the flat side in the bracket socket so that the catch is oriented as shown. Fix with a **DP** screw from beneath the frame.

05 FITTING THE BRAKE FLUID RESERVOIR

Push the pin under the brake fluid reservoir top 33D into the hole in the top of the brake fluid reservoir 33C. Then fit the base of the brake fluid reservoir 33C to the notched socket at the front of the windshield wiper motor bracket 33B and fix it in place with an **MP** screw from underneath (figure 1).

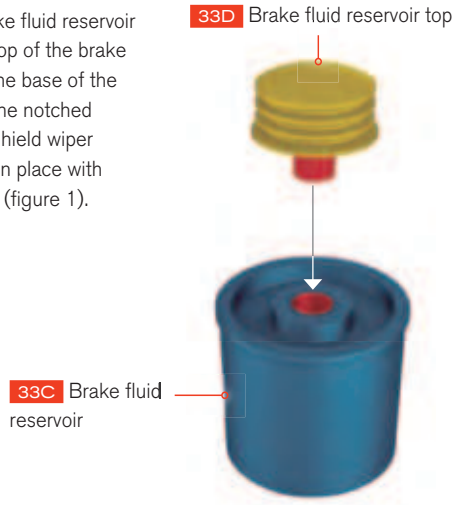
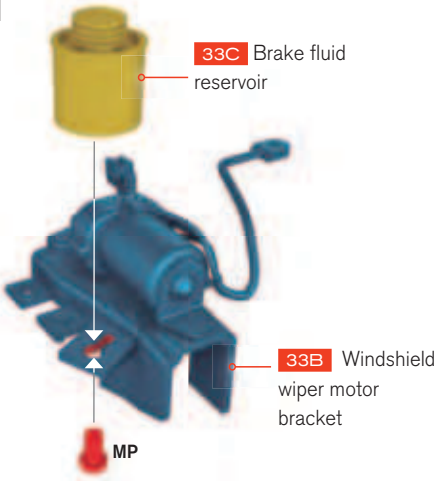


Fig. 1



06 FITTING THE WIPER MOTOR BRACKET TO THE FIREWALL

Position the windshield wiper motor bracket 33B over the four holes at the left side of the firewall 30A beside the starter coil. Ensure that the bracket is inserted underneath the firewall left hoses A and B 33G. Fix the bracket from above with two **CM** screws into the firewall. Also ensure that the small hole in the wiper linkage cam 33I hooks over the end of the wiper transmission arm 30E (figure 1).

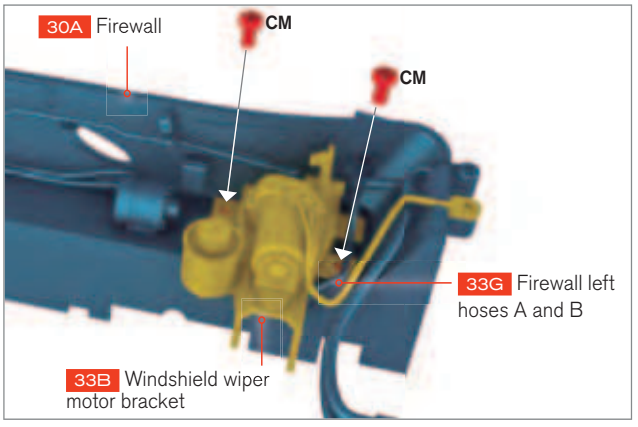
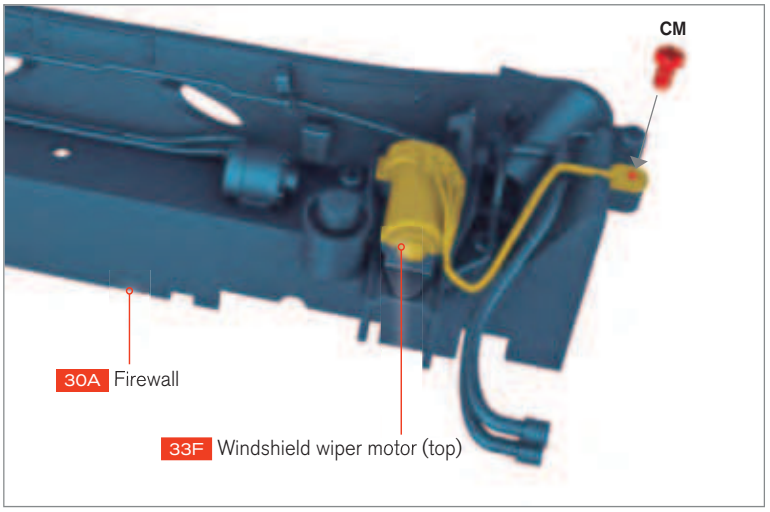


Fig. 1

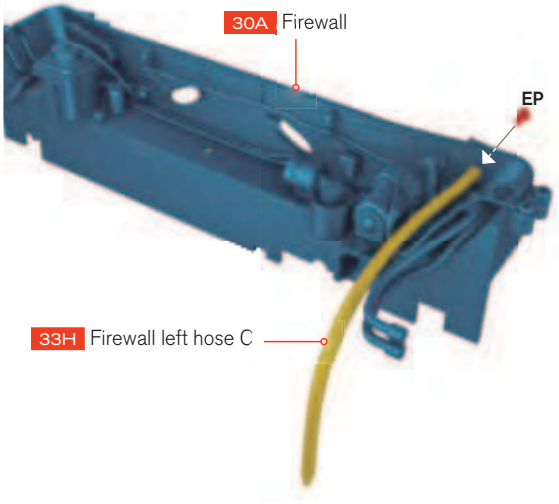
07 FIXING THE WIPER MOTOR CABLES

Fix the connection loop at the end of the windshield wiper motor cables 33F over the screw hole at the front left edge of the firewall 30A and fix it in place with a **CM** screw.



08 FITTING THE FIREWALL LEFT HOSE C

Fit the notched end of the firewall left hose C 33H into the notched socket at the top left of the firewall 30A, ensuring that the hose curves downwards. Fix with an **EP** screw from behind the firewall.



09 FITTING THE FIREWALL TO THE MAIN CHASSIS

Insert the two posts on the underside of the assembled firewall 30A into the corresponding sockets in left side tubular frame 15A and in the right side tubular frame 16A. Then push the pin on the end of the engine intake hose 08A into the socket at the center right of the firewall 30A (figure 1) as shown. Gently turn the chassis upside down, ensuring that the firewall remains in the correct position. Fix the left side of the firewall in position from underneath the left side tubular frame 15A with an **FM** screw. Then fix the right side of the firewall in position from underneath the right side tubular frame 16A with an **FM** screw (figure 2).

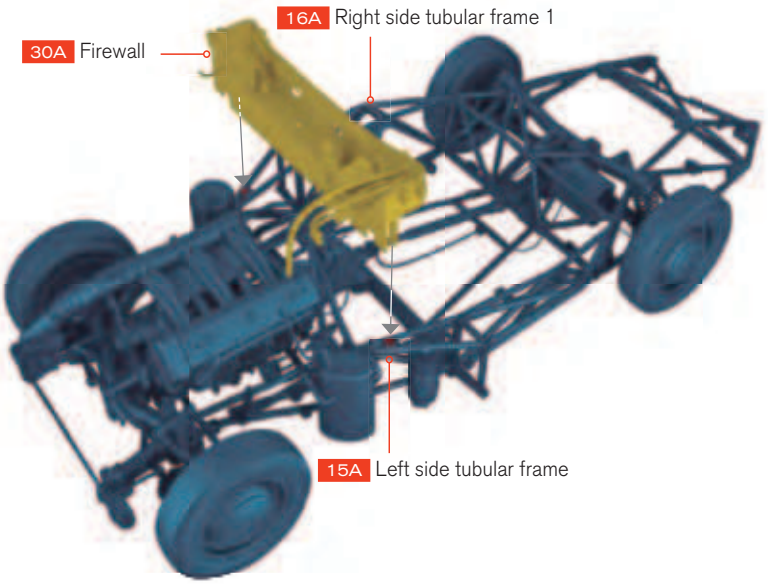


Fig. 1

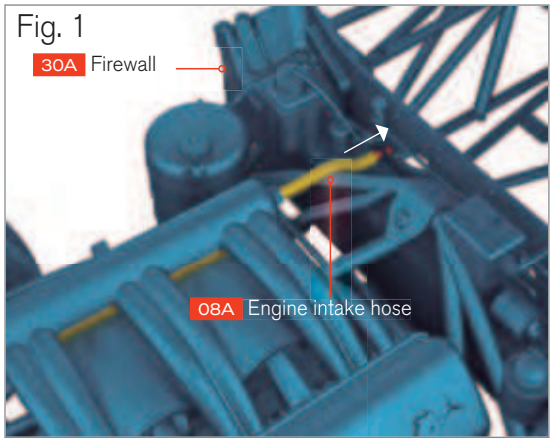
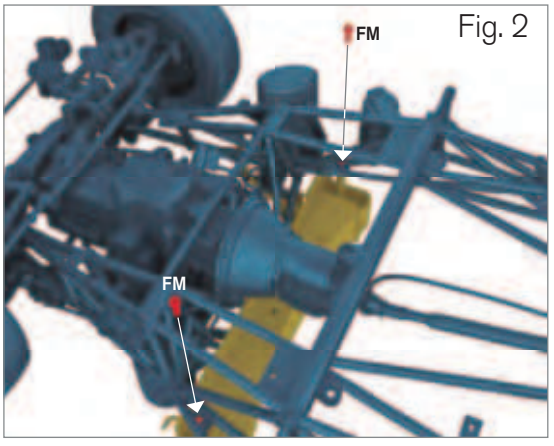
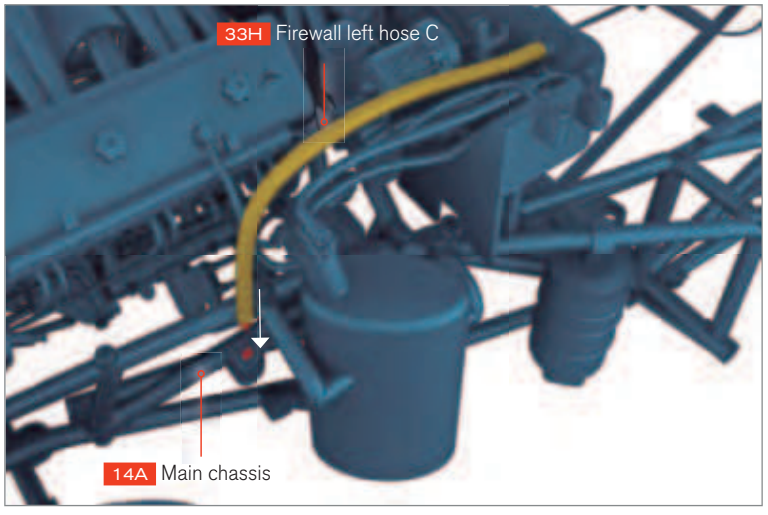


Fig. 2



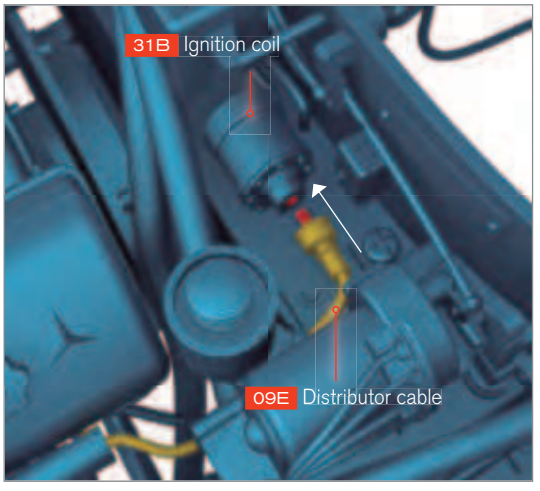
10 FITTING FIREWALL LEFT HOSE C

Push the pin on the end of firewall left hose C 33H into the socket on the left side of the main chassis 14A.



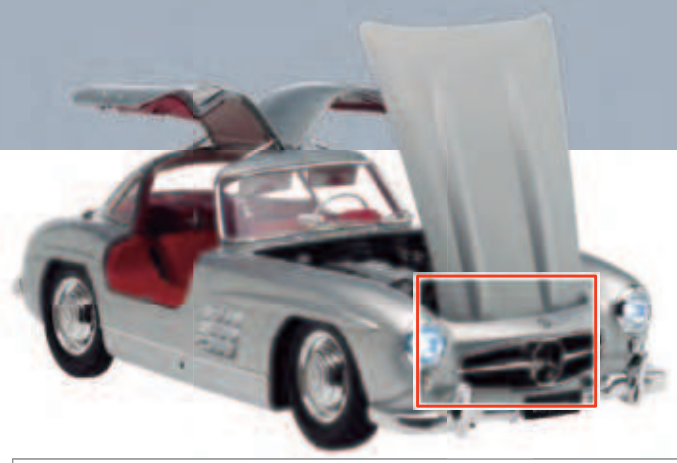
11 THE DISTRIBUTOR CABLE

Using tweezers, push the free end of the distributor cable 09E into the socket in the ignition coil 31B.



When fitting these parts to the firewall, take care not to damage the fragile windshield wiper parts fitted previously.

Begin to assemble the radiator with its hoses and radiator top.



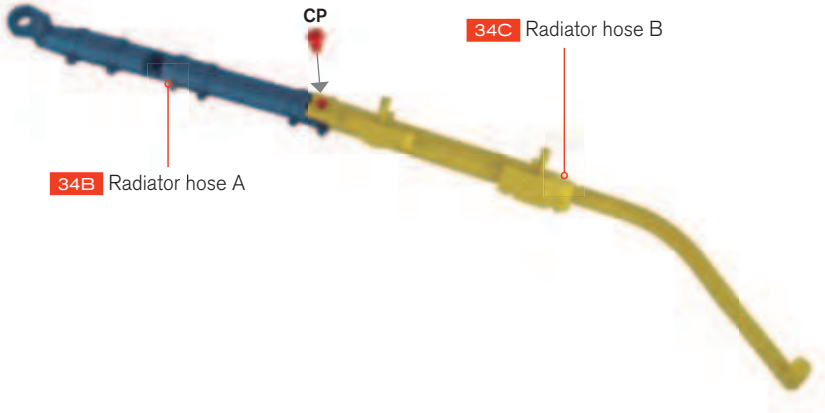
PHASE 34 – REQUIRED PARTS

Code	Name	Quantity	Material
34A	Radiator housing	1	ABS
34B	Radiator hose A	1	ABS
34C	Radiator hose B	1	ABS
34D	Radiator top	1	ABS
34E	Radiator hose C	1	ABS
CP	Screws 0.06 x 0.11 x 0.17in (1.7 x 3 x 4.5mm)	1 + 1*	Iron
EP	Screws 0.06 x 0.15in (1.7 x 4mm)	2 + 1*	Iron
HP	Screws 0.07 x 0.15in (2 x 4mm)	1 + 1*	Iron
QP	Screws 0.07 x 0.11in (2 x 3mm)	1 + 1*	Iron

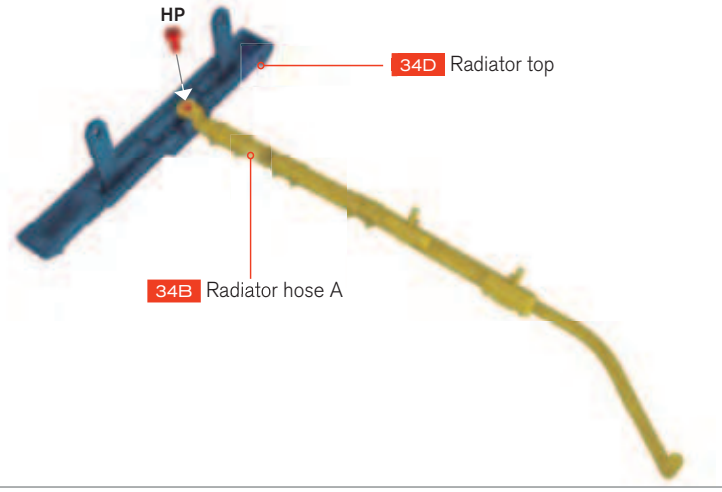
* Replacement screws included

01 JOINING RADIATOR HOSES A AND B

Join the hoses A and B by fitting the tab at the end of radiator hose B 34C over the recessed end of radiator hose A 34B. Fix in place with a **CP** screw.



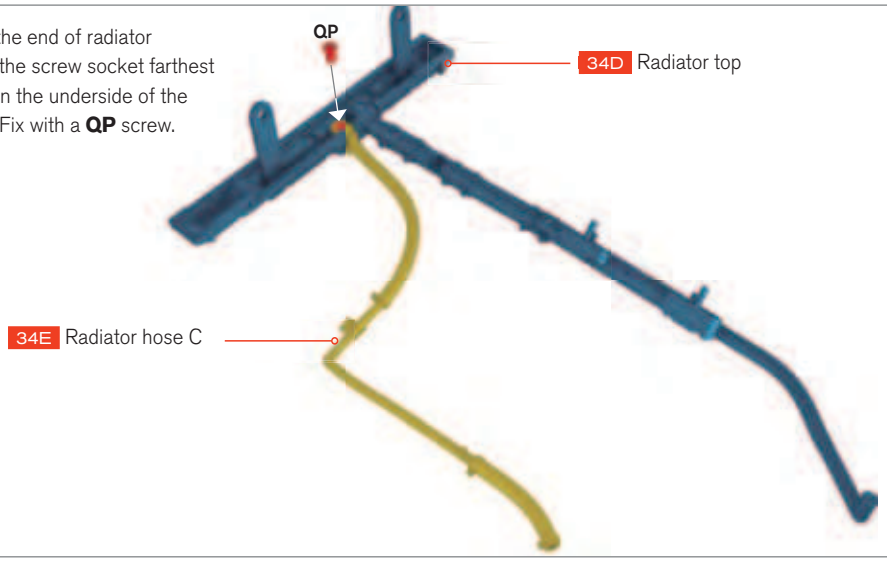
02 CONNECTING THE HOSES TO THE RADIATOR TOP



Fit the loop on the end of radiator hose A 34B over the screw socket closest to the filler cap on the underside of the radiator top 34D. Fix with an **HP** screw.

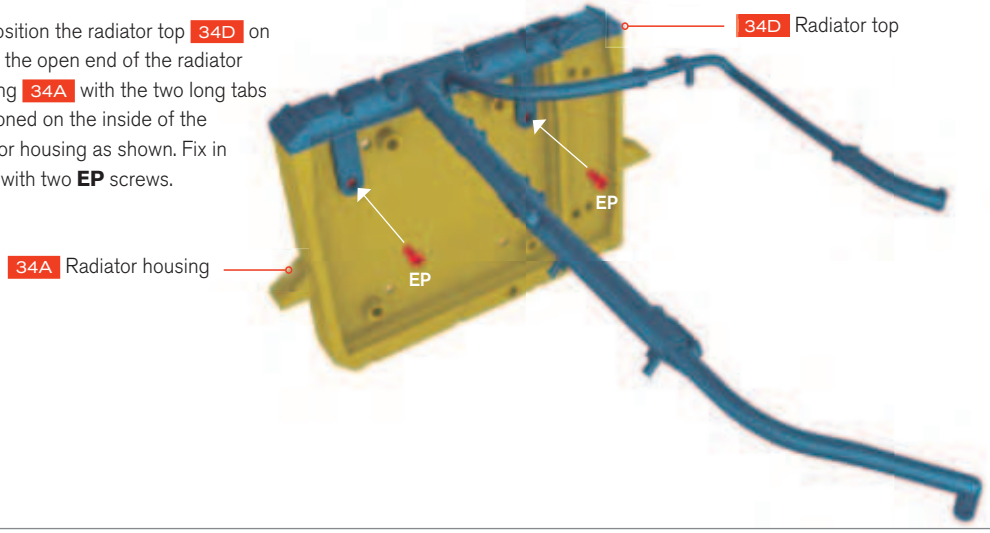
03 CONNECTING RADIATOR HOSE C

Fit the loop on the end of radiator hose C 34E over the screw socket farthest from the filler cap on the underside of the radiator top 34D. Fix with a **QP** screw.



04 FITTING THE RADIATOR TOP TO THE RADIATOR HOUSING

Position the radiator top 34D on top of the open end of the radiator housing 34A with the two long tabs positioned on the inside of the radiator housing as shown. Fix in place with two **EP** screws.



As always, at least one spare screw is provided for every different type used. We recommend that you store any unused screws in their labelled bags in case you need them later.

Fit the radiator honeycombs, cooled water return pipe, and oil cooler line to the radiator housing, then install the housing to the main chassis and engine.

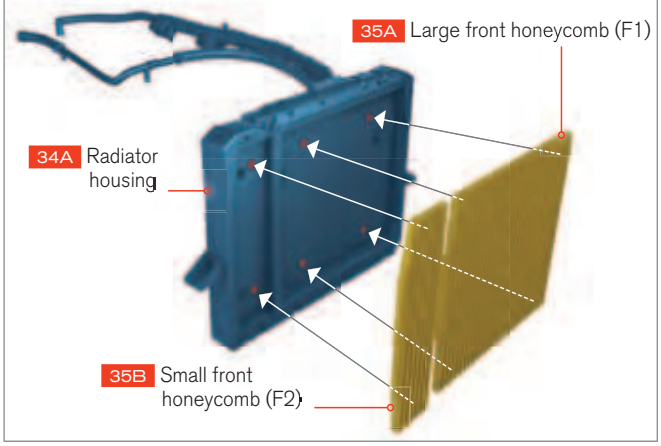
PHASE 35 – REQUIRED PARTS

Code	Name	Quantity	Material
35A	Large front honeycomb (F1)	1	ABS
35B	Small front honeycomb (F2)	1	ABS
35C	Large rear honeycomb (R1)	1	ABS
35D	Small rear honeycomb (R2)	1	ABS
35E	Cooled water return pipe	1	ABS
35F	Oil cooler line	1	ABS
CM	Screws 0.07 x 0.15in (2 x 4mm)	2+1*	Iron

* Replacement screws included

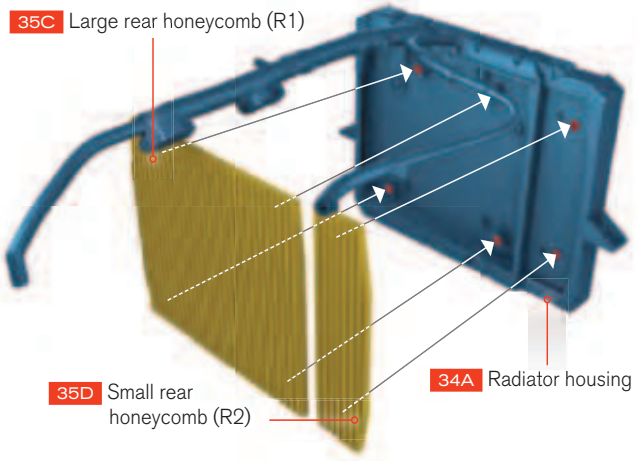
01 FITTING THE FRONT HONEYCOMBS

Press the large front honeycomb 35A – labeled F1 on the back – into its space on the front of the radiator housing 34A, ensuring that the four pins on the back of the honeycomb align with the four holes in the housing. Then press the small front honeycomb 35B – labeled F2 on the back – into the front of the housing 34A, ensuring that the two pins on the back of the honeycomb align with the two holes in the housing.

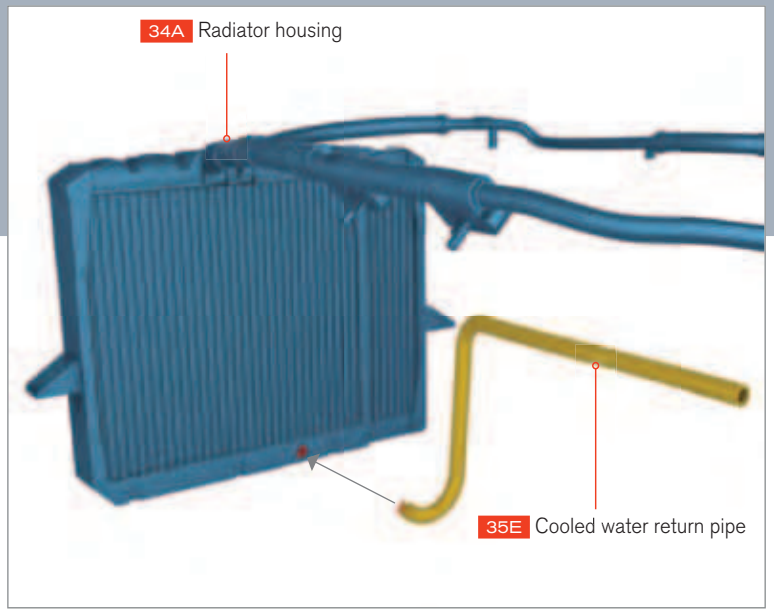


02 FITTING THE REAR HONEYCOMBS

Press the large rear honeycomb 35C – labeled R1 on the back – into its space in the rear of the radiator housing 34A, ensuring that the four pins on the back of the honeycomb align with the four holes in the housing. Then press the small rear honeycomb 35D – labeled R2 on the back – into the rear of the radiator housing 34A, ensuring that the two pins on the back of the heat sink align with the two holes in the housing.



03 FITTING THE COOLED WATER PIPE



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.

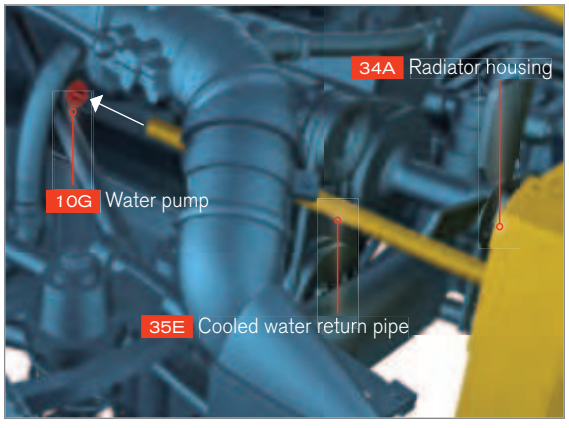
GRAY-BLUE indicates the modules on which the new parts should be assembled.

Push the half-round pin on the end of the cooled water pipe 35E into the half-round socket at the bottom rear of the radiator housing 34A, ensuring that the pipe is angled upwards and backwards.

04 INSTALLING THE RADIATOR ASSEMBLY

Take the assembled radiator housing 34A and position it in front of the engine bay, as shown. Slide the end of the cooled water pipe 35E along the right side of the engine until you can push the end onto the pin protruding forwards from the water pump 10G. Then lower the radiator housing so that the bracket on each side sits on the main chassis 14A (figure 1). Now push the pin on the end of radiator hose B 34C down into the socket in the front center of the firewall 30A (figure 2). Finally, fix the radiator to the main chassis with two **CM** screws through the brackets from above (figure 3).

Take care when fitting the radiator and hoses to avoid damaging or dislodging any other previously fitted delicate engine parts.



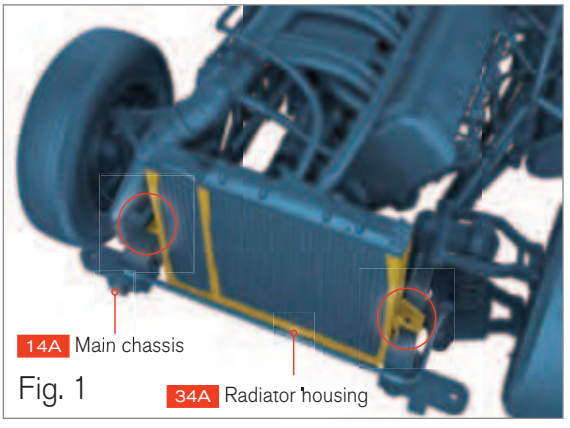


Fig. 1

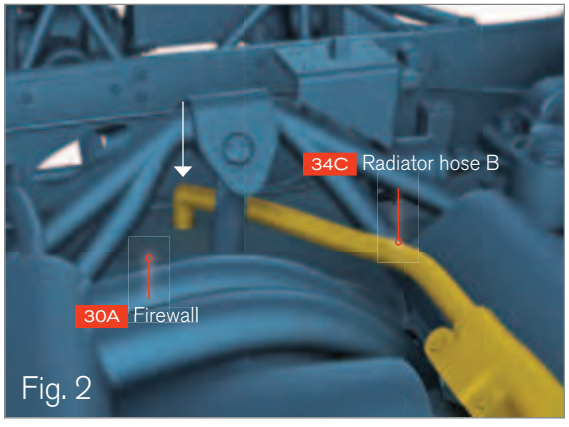


Fig. 2

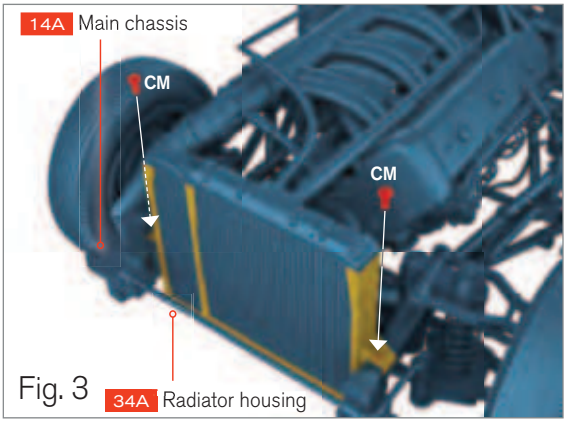
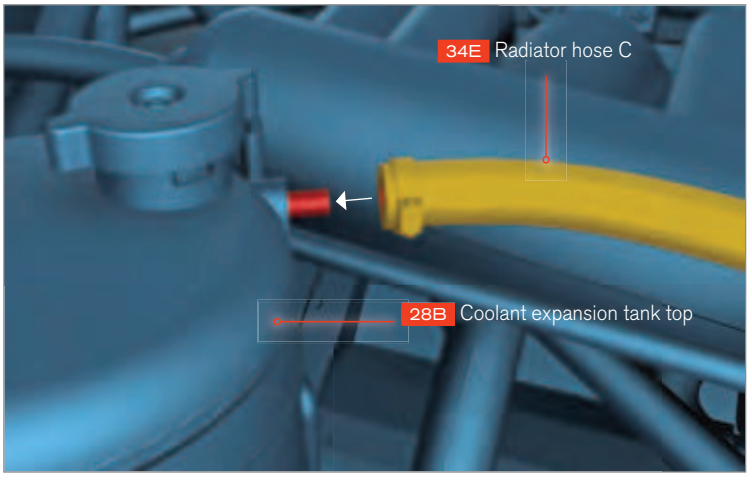
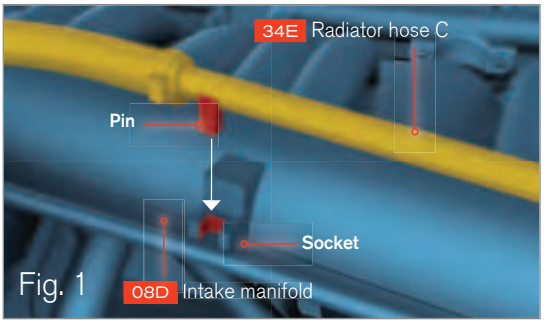


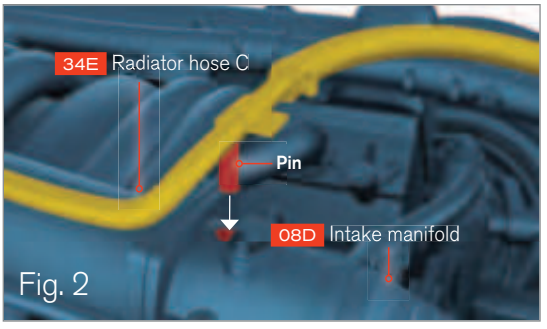
Fig. 3

05 FITTING RADIATOR HOSE C TO THE COOLANT EXPANSION TANK

Push the end of radiator hose C 34E onto the pin on the top side of the coolant expansion tank 28B. Insert the pin pointing downward midway along radiator hose C 34E into the socket on the side of the intake manifold 08D (figure 1). Then insert the pin pointing downwards near the right-angle bend in radiator hose C 34E into the socket at the top front end of the intake manifold 08D (figure 2).

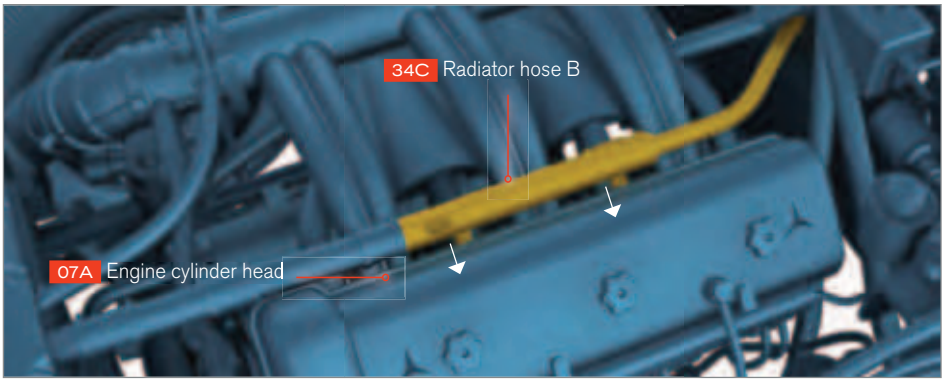






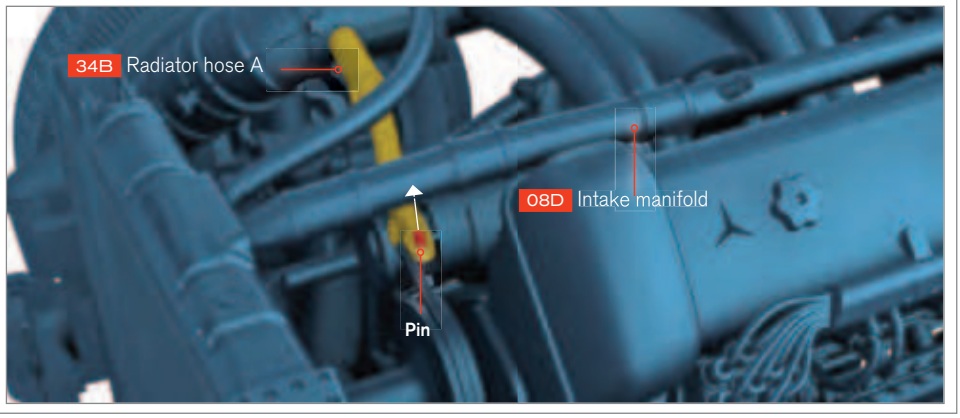
06 FITTING RADIATOR HOSE B TO THE CYLINDER HEAD

Push the two pins beneath radiator hose B 34C into the two sockets at the upper right side of the engine cylinder head 07A.

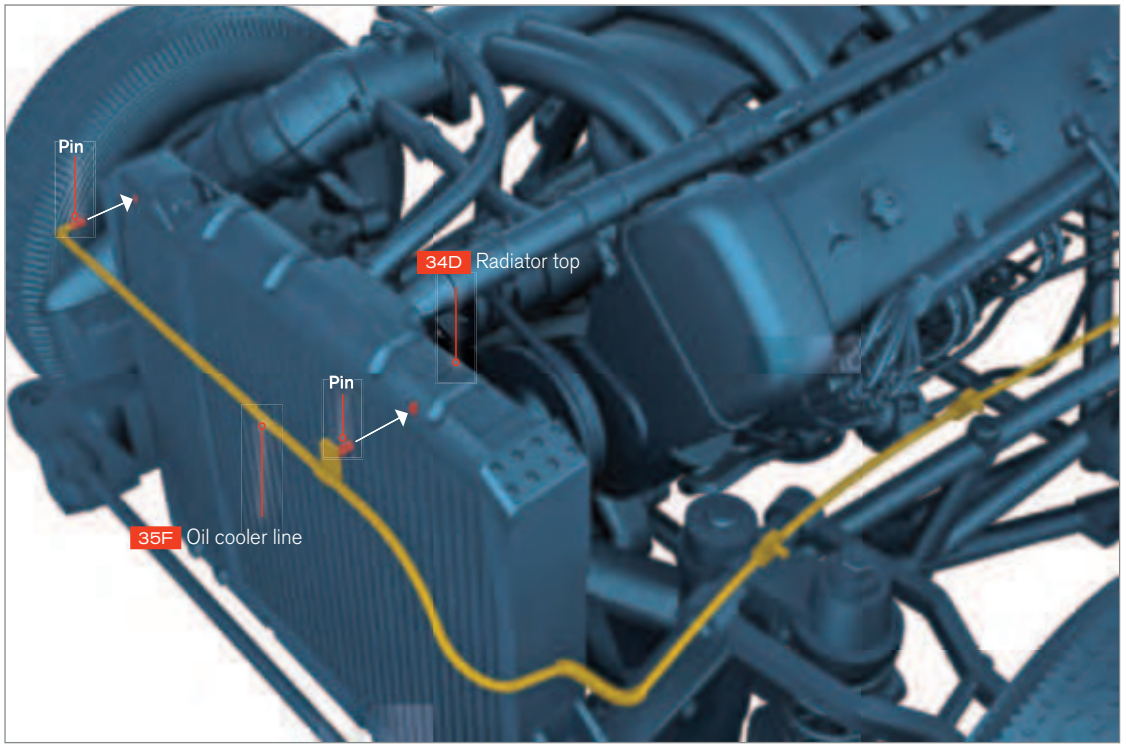


07 FITTING RADIATOR HOSE A TO THE INTAKE MANIFOLD (EXTERIOR)

Push the pin protruding from the intake manifold 08D into the hole in the end of radiator hose A 34B.

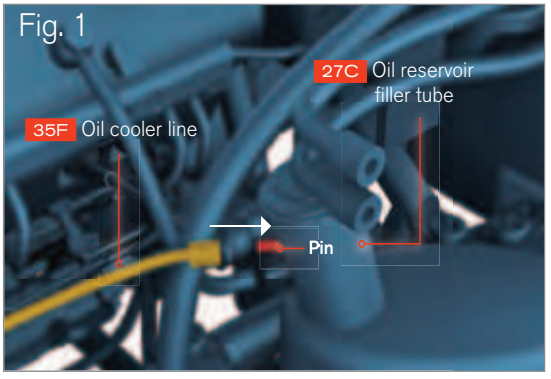


08 INSTALLING THE OIL COOLER LINE



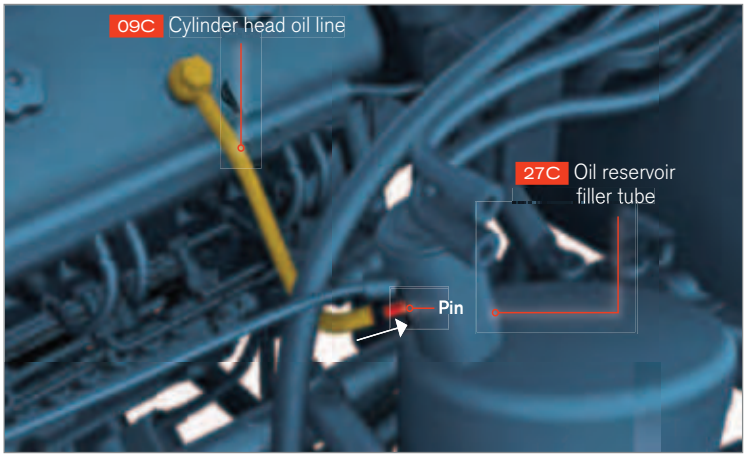
Align the shortest length of the oil cooler line 35F along the front of the radiator top 34D. Push the two pins on this section of line into the two corresponding holes in the top of the radiator 34D. Now push the socket at the end of the longest side of the oil cooler line 35F onto the upper pin on the oil reservoir filler tube 27C (figure 1).

Fig. 1



09 FITTING THE CYLINDER HEAD TUBE

Push the end of the cylinder head oil line 09C onto the lower pin on the oil reservoir filler tube 27C.



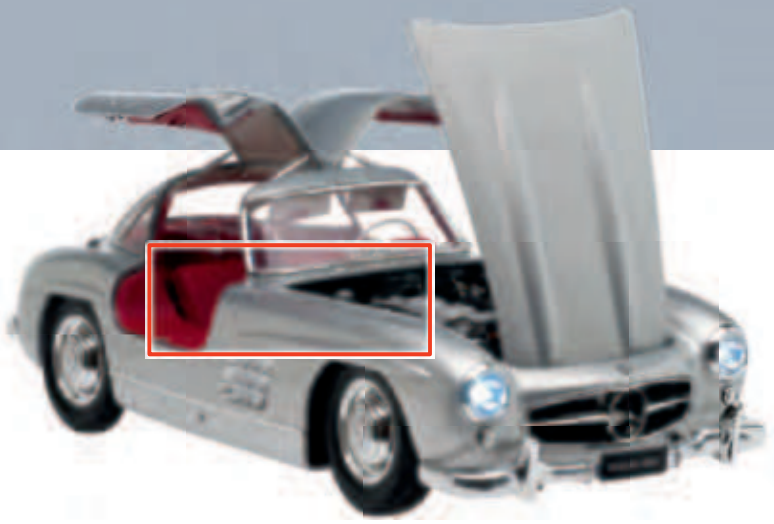
Collect and set aside the interior floor pan of your Mercedes 300 SL model. There is nothing to assemble in this phase. You will fit luxury carpets to the floor pan in the next one.

PHASE 36 – REQUIRED PARTS

Code	Name	Quantity	Material
36A	Floor pan	1	ABS

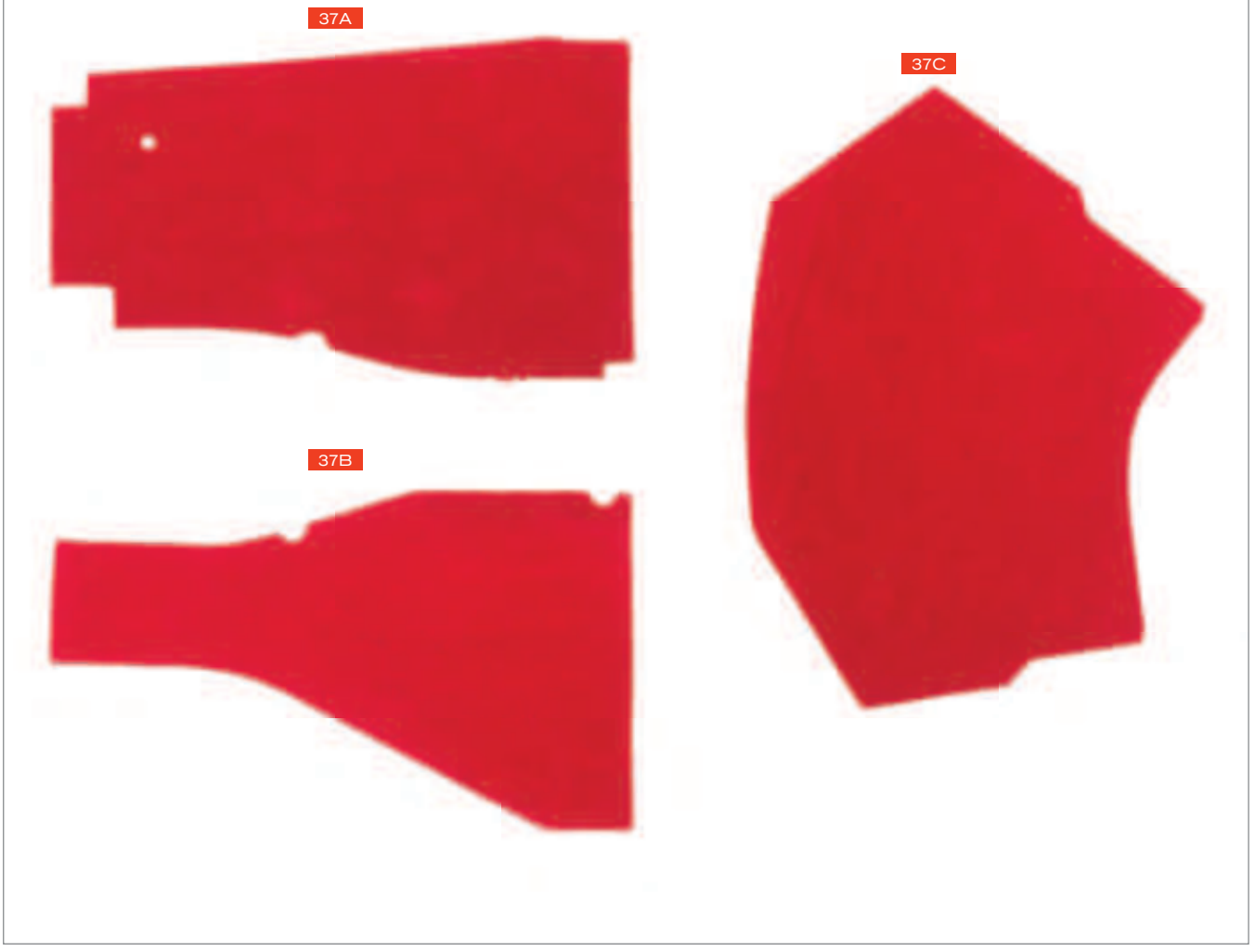
During the next 10 phases you will fit the interior floor, the luxury red carpets, and the two seats. You will also install the control pedals and the gear and hand brake levers; assemble the luggage compartment with three suitcases; and fit the firewall support struts.

Fit the self-adhesive carpeting to the interior of the floor pan.



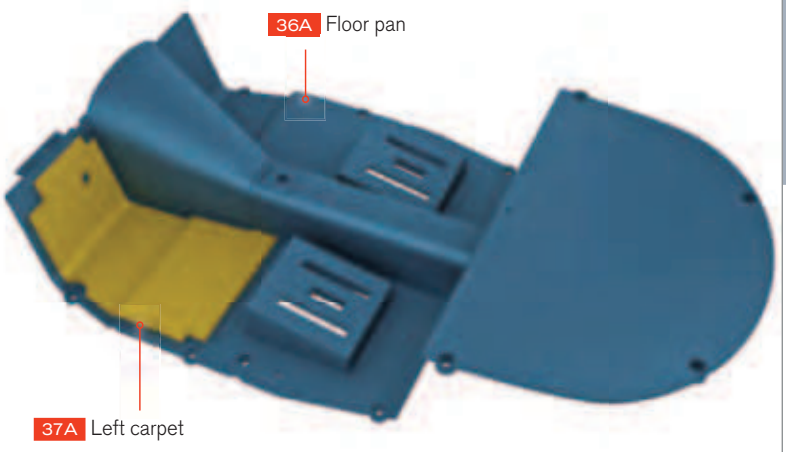
PHASE 37 – REQUIRED PARTS

Code	Name	Quantity	Material
37A	Left carpet	1	Adhesive TPR felt
37B	Right carpet	1	Adhesive TPR felt
37C	Center carpet	1	Adhesive TPR felt



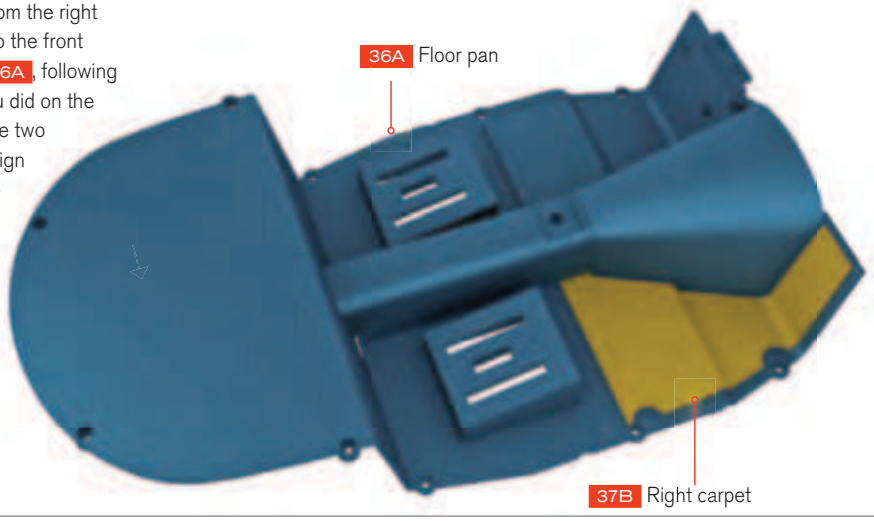
01 FITTING THE LEFT CARPET

First read the TIP in the right-hand margin and look closely at the picture in Box 01. Then carefully peel off the backing from the self-adhesive left carpet 37A. Align the front edge of the carpet along the front left edge of the floor pan 36A, ensuring that the hole in the carpet lines up with the hole in the floor. Then, working slowly backwards, gently press the center of the carpet down into the contours of the floor, ensuring that the cutout on the left side fits around the front left socket in the floor. Finally, press the rear end of the carpet onto the floor so that the cutout on the left corner fits around the center left socket in the floor.



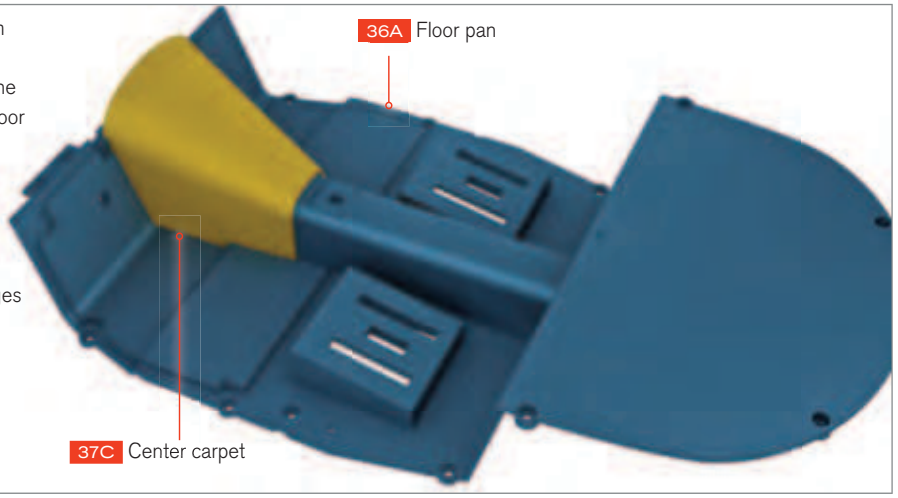
02 FITTING THE RIGHT CARPET

Peel off the backing from the right carpet 37B and align it to the front right of the interior floor 36A, following the same procedure as you did on the left side. Make sure that the two cutouts on the right side align with the two sockets in the edge of the floor.



03 FITTING THE CENTER CARPET

Peel off the backing from the center carpet 37C and align it to the front edge of the transmission tunnel on the floor pan 36A. Then follow the same procedure as you did on the sides. Make sure that the left and right edges of the center carpet butt neatly in the corner against the edges of the left and right carpets.



Stick the carpets in place loosely until you are sure they fit correctly all the way around. They can be carefully peeled off the plastic floor if you make a mistake. When you are sure the fit is correct, you can press them down firmly.

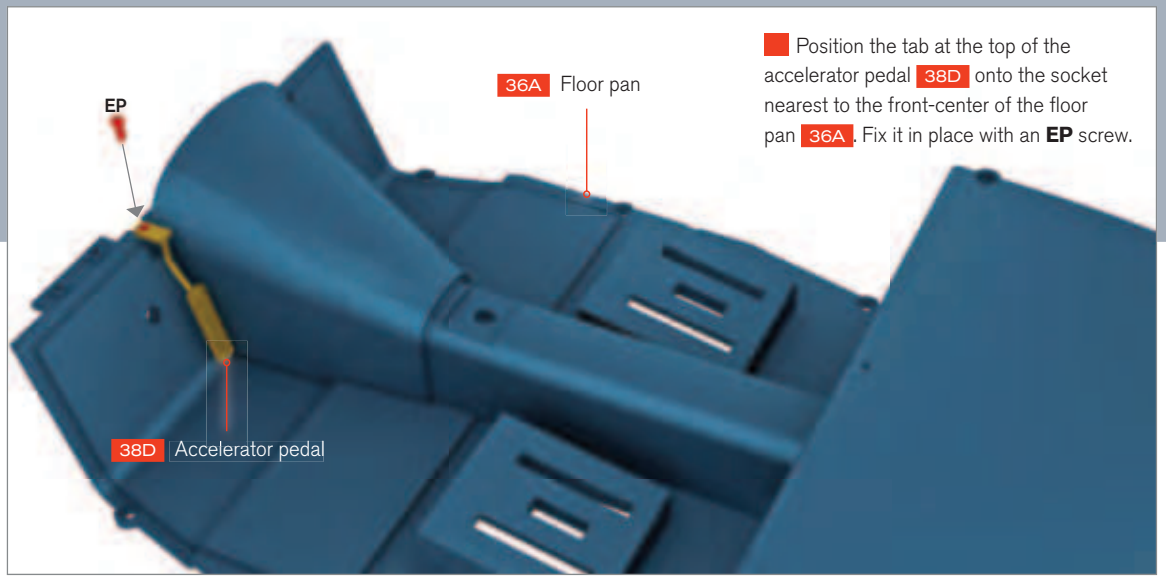
Fit the brake pedal and switch, the accelerator and clutch pedals, the gear shift lever and the hand brake.

PHASE 38 – REQUIRED PARTS

Code	Name	Quantity	Material
38A	Brake pedal	1	ABS
38B	Brake pedal switch and wiring	1	Mixed
38C	Brake pedal switch base	1	ABS
38D	Accelerator pedal	1	ABS
38E	Clutch pedal	1	ABS
38F	Gear shift lever	1	ABS
38G	Hand brake lever	1	ABS
38H	Brake switch bracket	1	ABS
38I	Spring	1	Iron
EP	Screws 0.06 x 0.15in (1.7 x 4mm)	1 + 1*	Iron
GP	Screws 0.06 x 0.23in (1.7 x 6mm)	1 + 1*	Iron
HP	Screws 0.07 x 0.15in (2 x 4mm)	6 + 2*	Iron
MP	Screws 0.09 x 0.15in (2.3 x 4mm)	1 + 1*	Iron

* Replacement screws included

01 FITTING THE ACCELERATOR PEDAL



Position the tab at the top of the accelerator pedal 38D onto the socket nearest to the front-center of the floor pan 36A. Fix it in place with an **EP** screw.

02 INSTALLING THE BRAKE PEDAL

Fit the pivot at the top of the brake pedal 38A into the hinge on the plate connecting the clutch pedal and the brake pedal 38E. Fix in place with a **GP** screw through the hinge. Do not over-tighten the screw, as the pedal must be able to pivot freely. Then fit the spring 38I over the forked clip behind the brake pedal 38A (figure 1).

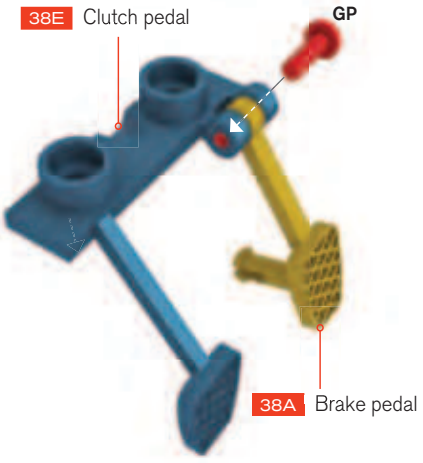
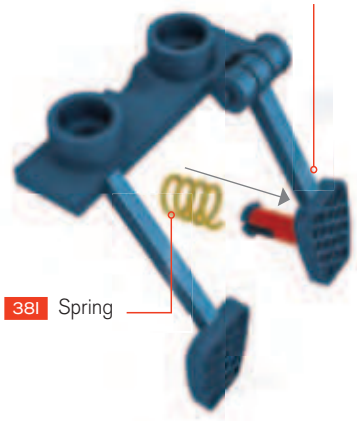


Fig. 1



03 INSTALLING THE CLUTCH PEDAL

Fit the clutch pedal plate 38E over the two sockets at the front left of the floor pan 36A and fix it in place with two **HP** screws. Then push the forked clip behind the brake pedal through the hole in the carpet and floor pan, ensuring that the spring stays in place on the forked clip (figure 1).

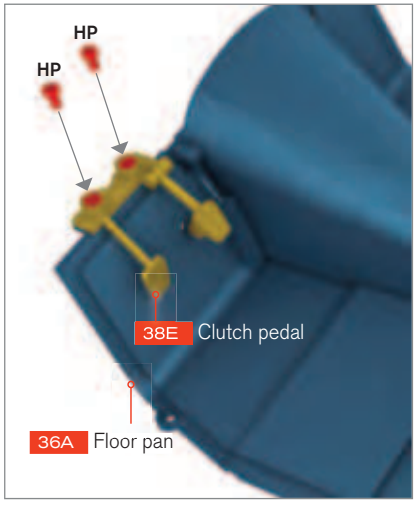
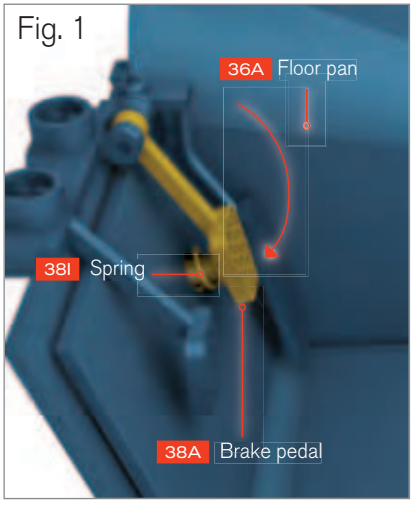


Fig. 1



04 ASSEMBLING THE BRAKE PEDAL SWITCH AND BASE

Position the brake pedal switch 38B into the fork of the brake pedal switch base 38C as shown in the picture, with the switch button orientated as shown. Fit the brake switch bracket 38H over the switch and fix it to the brake pedal switch base 38C with two **HP** screws (figure 1). Then, turn over the floor pan to carefully position the assembled brake pedal switch base 38C over the screw post and pin on the underside of the interior floor 36A, as shown in the picture. Make sure that the switch button aligns with the protruding forked clip of the brake pedal 38A. Fix the assembly in place with an **HP** screw (figure 2).

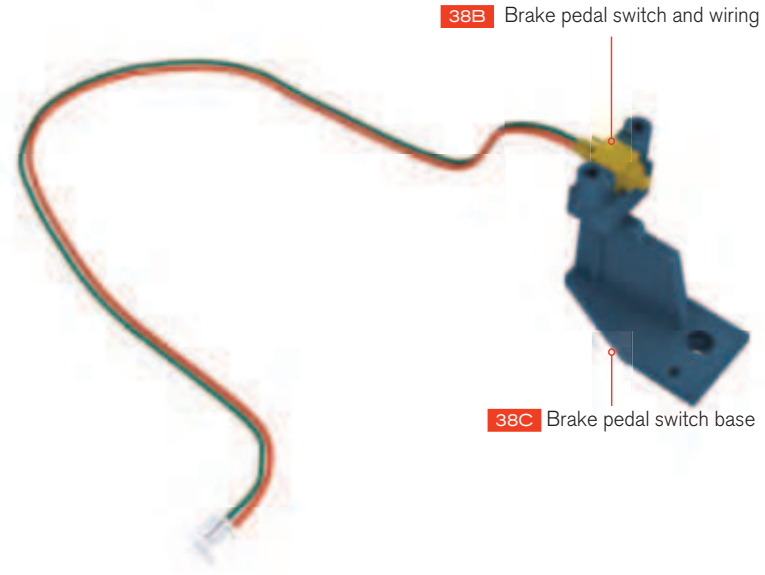


Fig. 1

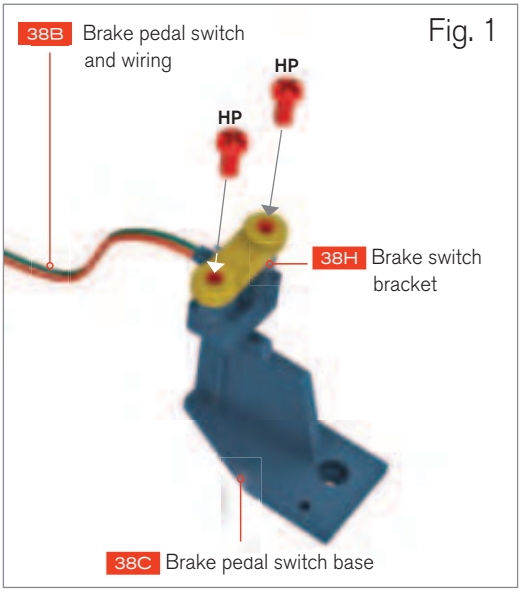
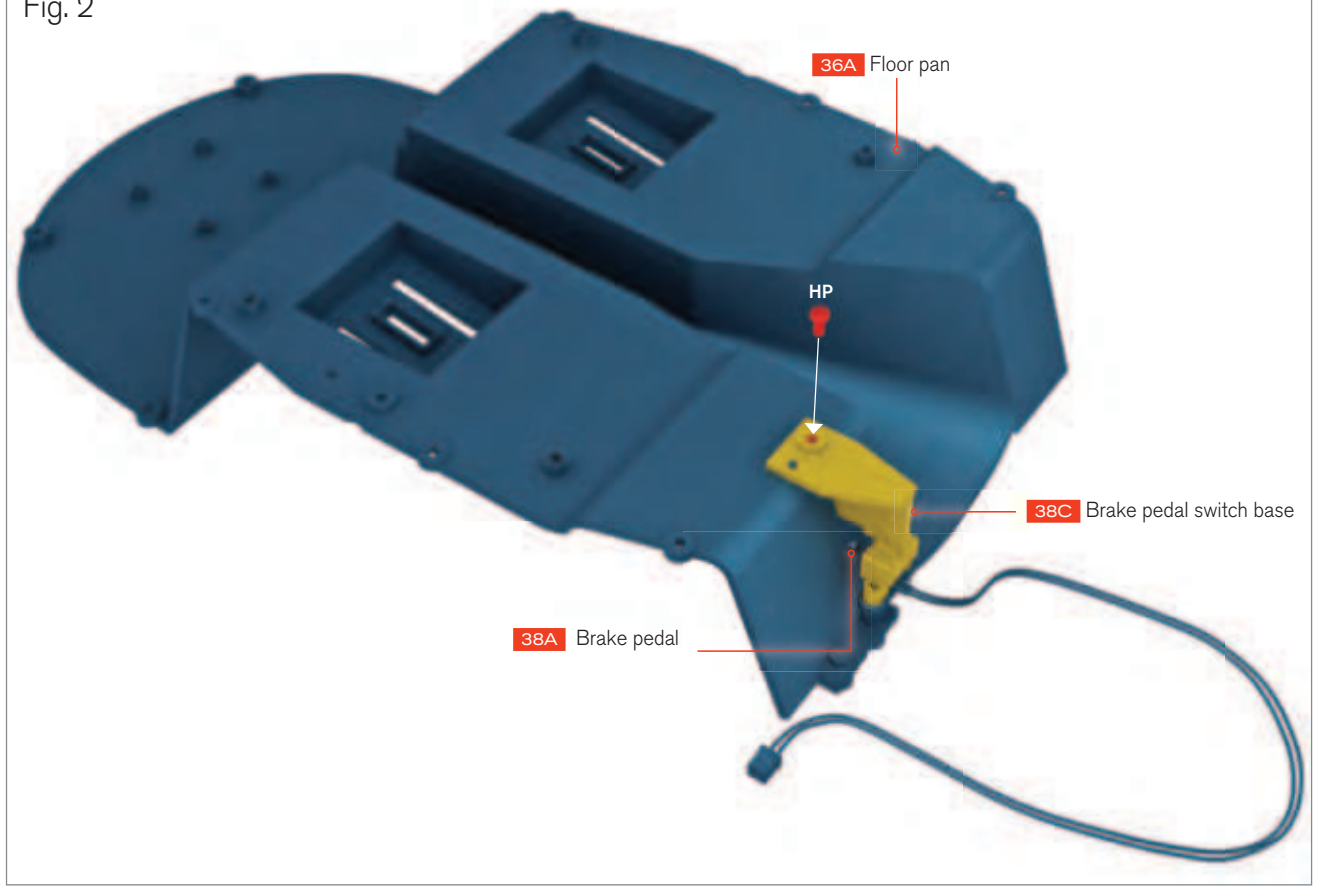
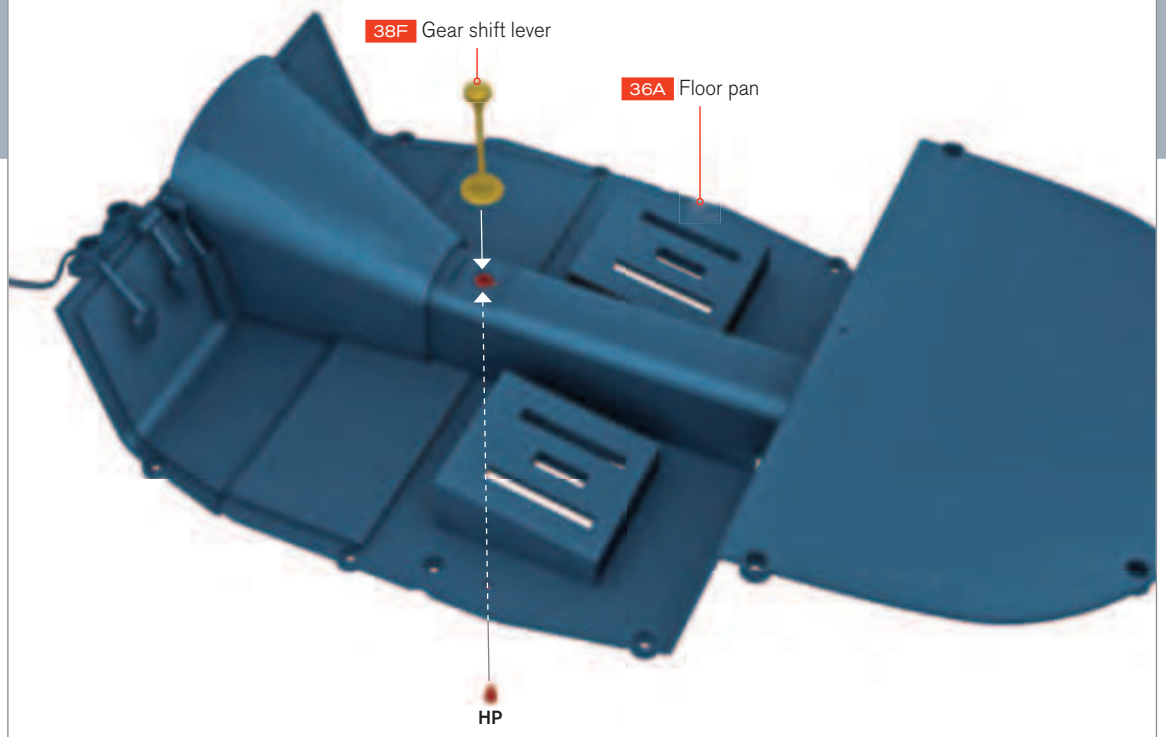


Fig. 2



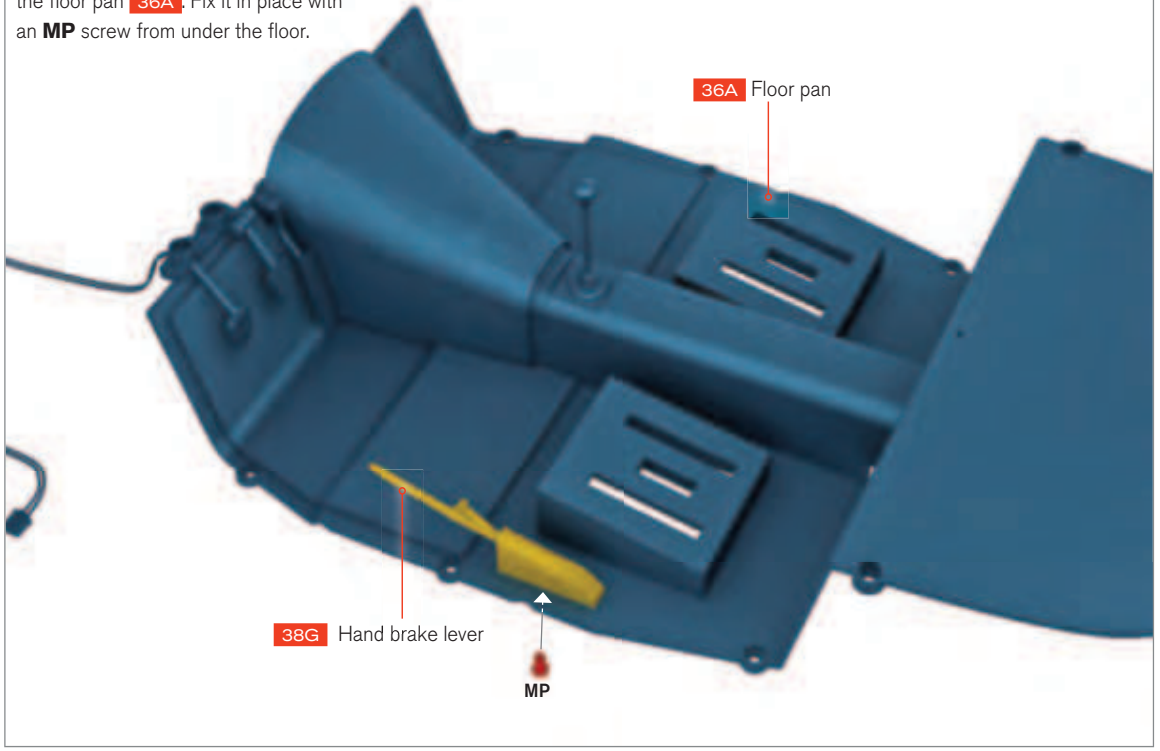
05 INSTALLING THE GEAR SHIFT LEVER

Insert the gear shift lever 38F into the notched socket at the center of the floor pan 36A transmission tunnel. Fix it in place with an **HP** screw from under the floor.



06 INSTALLING THE HAND BRAKE

Position the hand brake lever 38G over the socket at the center-left of the floor pan 36A. Fix it in place with an **MP** screw from under the floor.

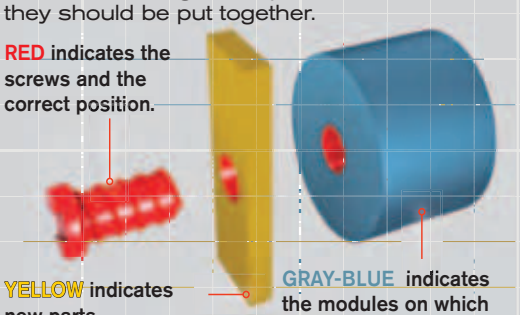


Check that, when pressed, the brake pedal depresses the brake switch to operate the brake lights.

Fit the self-adhesive carpet to the interior of the floor pan.

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.

PHASE 39 – REQUIRED PARTS

Code	Name	Quantity	Material
39A	Luggage compartment carpet	1	Self-adhesive TPR felt

39A

01 FITTING THE LUGGAGE COMPARTMENT CARPET

First, read the TIP in the right-hand margin and look closely at the picture in Box 01. Then carefully peel the backing from the self-adhesive carpet 39A. Fix the rear edges of the carpet over the luggage area of the floor pan 36A, ensuring that it does not cover the four holes around the edges of the floor. Then neatly fold the front of the carpet down over the drive shaft tunnel (figure 1).

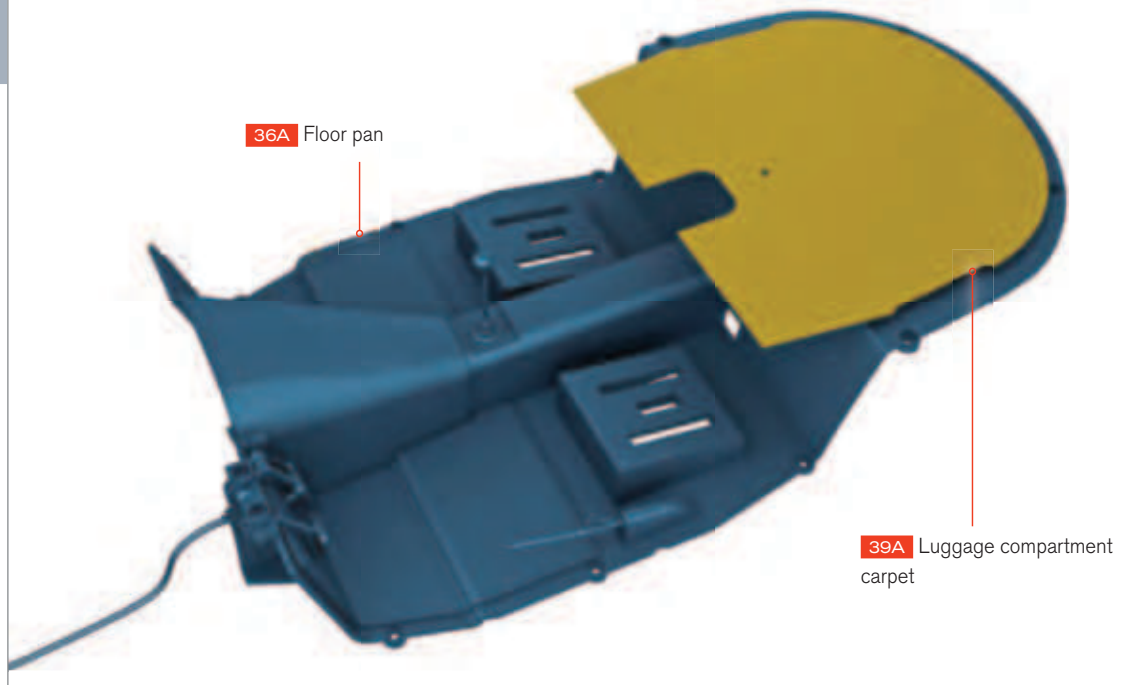
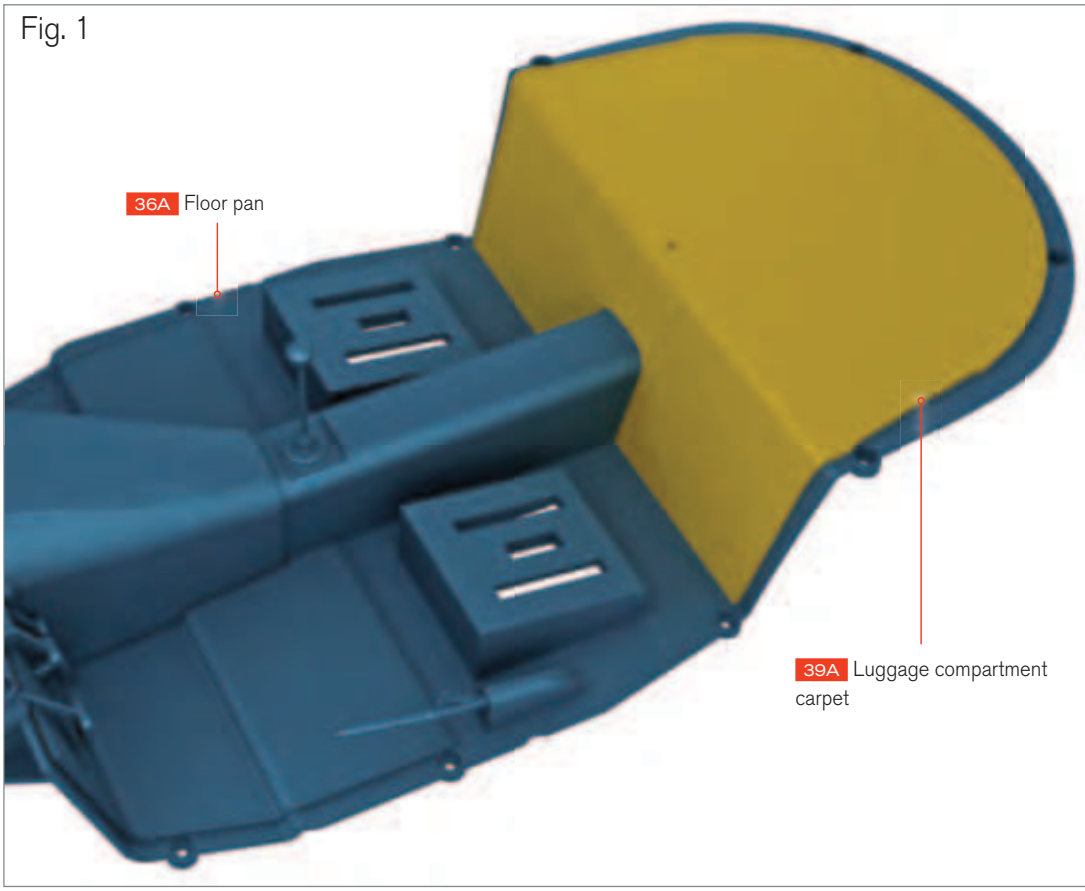


Fig. 1



Stick the carpet in place loosely until you are sure it fits correctly all the way around. It can be carefully peeled off the plastic floor if you make a mistake. When you are sure the fit is correct, you can press it down firmly.

Assemble and fix the left seat and its cushions to the floor pan.

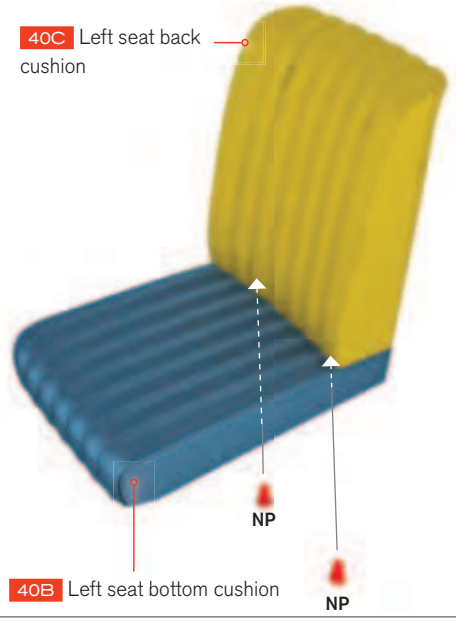
PHASE 40 – REQUIRED PARTS

Code	Name	Quantity	Material
40A	Left seat housing	1	ABS
40B	Left seat bottom cushion	1	ABS, PVC and foam
40C	Left seat back cushion	1	ABS, PVC and foam
40D	Washer	1	ABS
MP	Screws 0.09 x 0.15in (2.3 x 4mm)	4 + 2*	Iron
NP	Screws 0.09 x 0.19in (2.3 x 5mm)	3 + 1*	Iron

* Replacement screws included

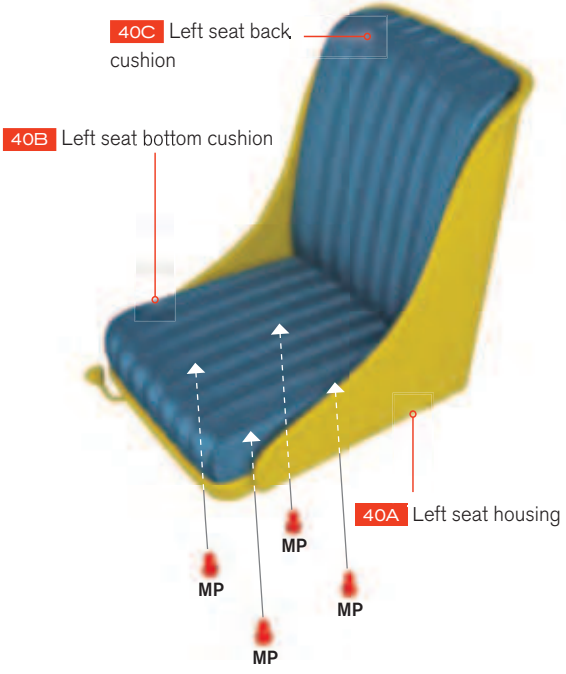
01 FITTING THE LEFT BACK CUSHION

Fit the two posts beneath the back cushion of the left seat 40C into the two sockets at the rear of the left seat bottom cushion 40B. Fix the back cushion in place with two **NP** screws from underneath.



02 FITTING THE CUSHIONS INTO THE LEFT SEAT

Fit the assembled left seat cushions 40B and 40C into the left seat 40A. Fix in place with four **MP** screws from underneath.



03 FITTING THE ASSEMBLED LEFT SEAT TO THE FLOOR PAN

Fit the left seat 40A to the left side of the floor pan 36A, ensuring that the posts on the underside of the seat engage in the three slots in the raised section of the floor. Turn the floor pan upside down and place the washer 40D over the central screw post of the seat housing. Fix with an **NP** screw through the washer and into the seat housing post (figure 1).

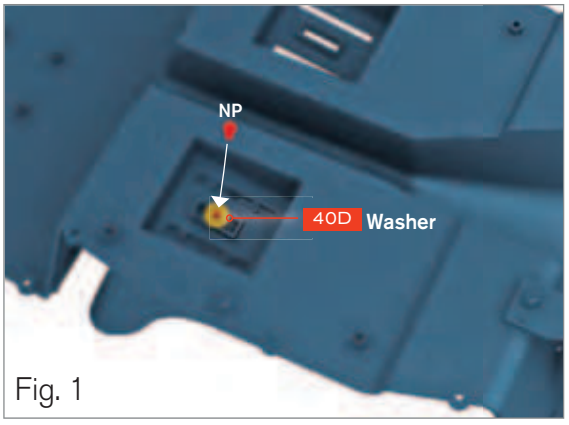


Fig. 1

When correctly fitted, the left seat should slide back and forth on its runners. Do not over-tighten the NP screw.

Assemble and fix the right seat and its cushions to the floor pan.

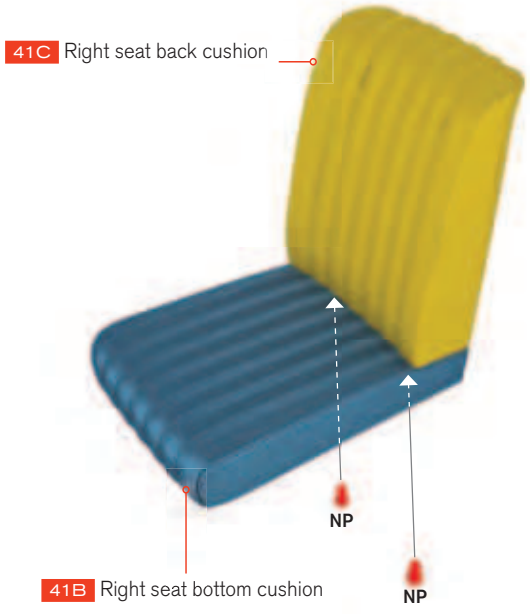
PHASE 41 – REQUIRED PARTS

Code	Name	Quantity	Material
41A	Right seat housing	1	ABS
41B	Right seat bottom cushion	1	ABS, PVC and foam
41C	Right seat back cushion	1	ABS, PVC and foam
41D	Washer	1	ABS
MP	Screws 0.09 x 0.15in (2.3 x 4mm)	4 + 2*	Iron
NP	Screws 0.09 x 0.19in (2.3 x 5mm)	3 + 1*	Iron

* Replacement screws included

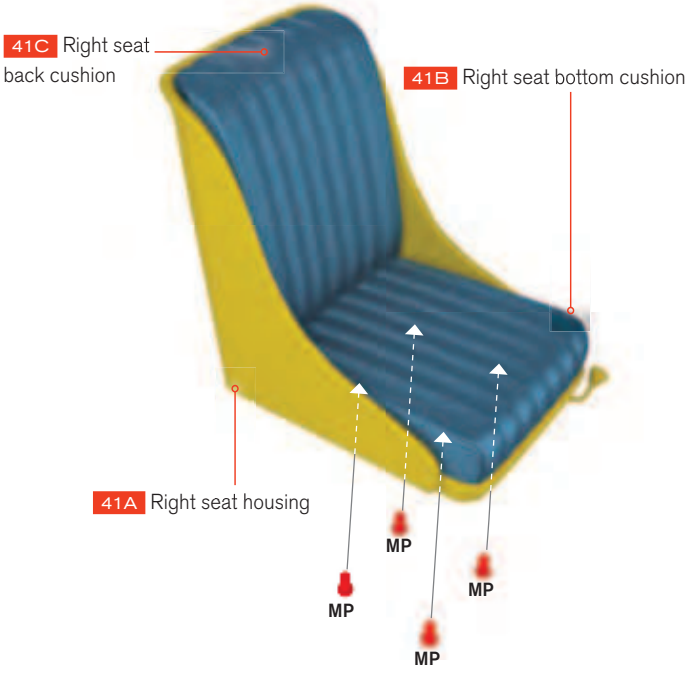
01 FITTING THE RIGHT BACK CUSHION

Fit the two posts beneath the back cushion of the right seat 41C into the two sockets at the rear of the right seat bottom cushion 41B. Fix the back cushion in place with two **NP** screws from underneath.



02 FITTING THE CUSHIONS INTO THE RIGHT SEAT

Fit the assembled right seat cushions 41B and 41C into the right seat 41A. Fix in place with four **MP** screws from underneath.



03 FITTING THE ASSEMBLED RIGHT SEAT TO THE FLOOR PAN

Fit the right seat housing 41A to the right side of the floor pan 36A, ensuring that the posts on the underside of the seat engage in the three slots in the raised section of the floor. Turn the floor pan upside down and place the washer 41D over the central screw post of the seat housing. Fix with an **NP** screw through the washer and into the seat housing post (figure 1).

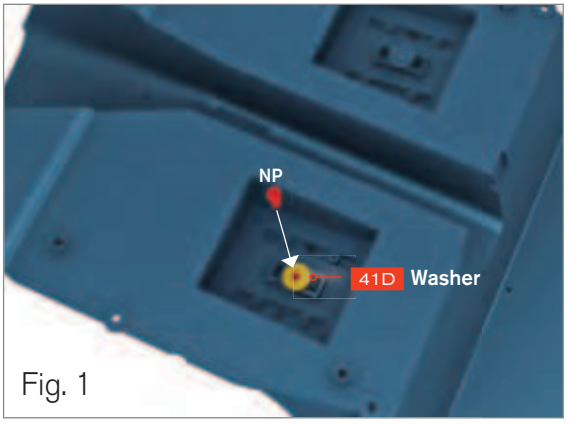


Fig. 1

When correctly fitted, the right seat should slide back and forth on its runners. Do not over-tighten the NP screw.

Fit the left and right side panel liners to the floor pan.

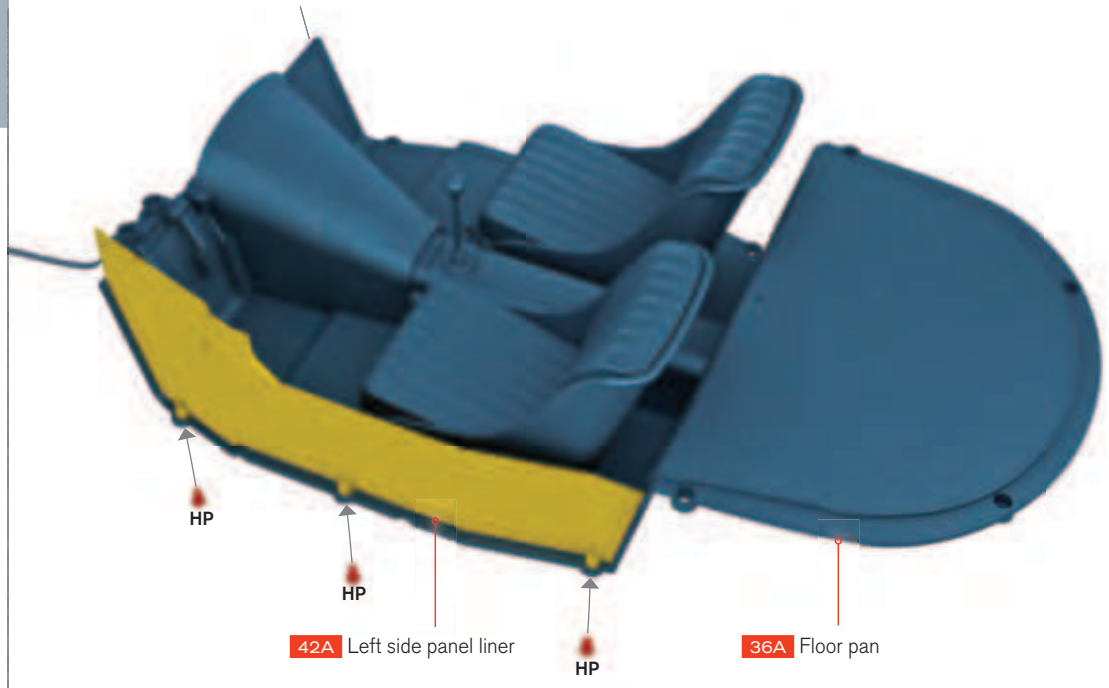
PHASE 42 – REQUIRED PARTS

Code	Name	Quantity	Material
42A	Left side panel liner	1	ABS
42B	Right side panel liner	1	ABS
HP	Screws 0.07 x 0.15in (2 x 4mm)	6 + 2*	Iron

* Replacement screws included

01 FITTING THE LEFT SIDE PANEL LINER

Fit the left side panel liner 42A to the left side of the floor pan 36A, ensuring that the three pins on the bottom edge of the panel engage in the three sockets at the edge of the floor pan. Fix in place from underneath with three **HP** screws.



02 FITTING THE RIGHT SIDE PANEL LINER

Fit the right side panel liner 42B to the right side of the floor pan 36A, ensuring that the three pins on the bottom edge of the panel engage in the three sockets at the edge of the floor pan. Fix in place from underneath with three **HP** screws.

Take care not to rest the assembly on the delicate gear stick when fitting the panel liners.

Fit the luggage compartment outer panel to the floor pan, then fix the floor to the main chassis.

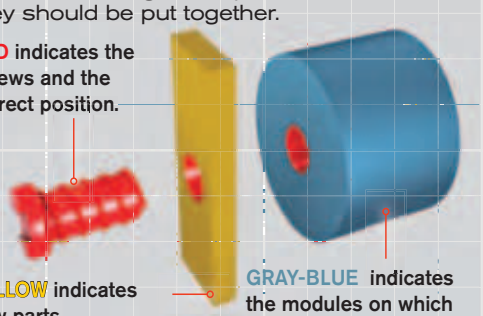
COLOR CODING

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.



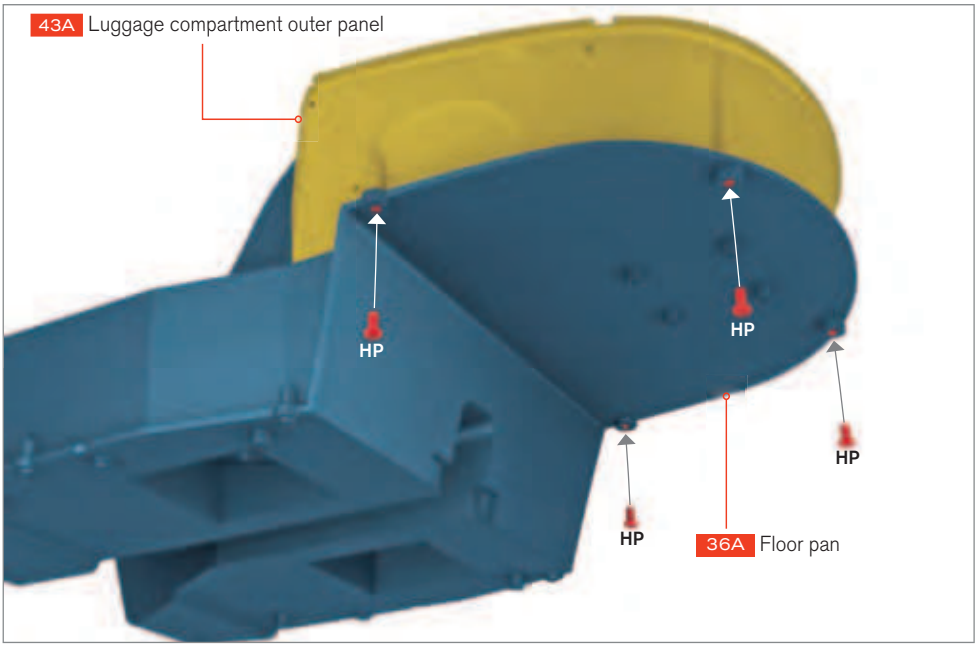
PHASE 43 – REQUIRED PARTS

Code	Name	Quantity	Material
43A	Luggage compartment outer panel	1	ABS
HP	Screws 0.07 x 0.15in (2 x 4mm)	4 + 2*	Iron
PP	Screws 0.10 x 0.15in (2.6 x 4mm)	4 + 2*	Iron

* Replacement screws included

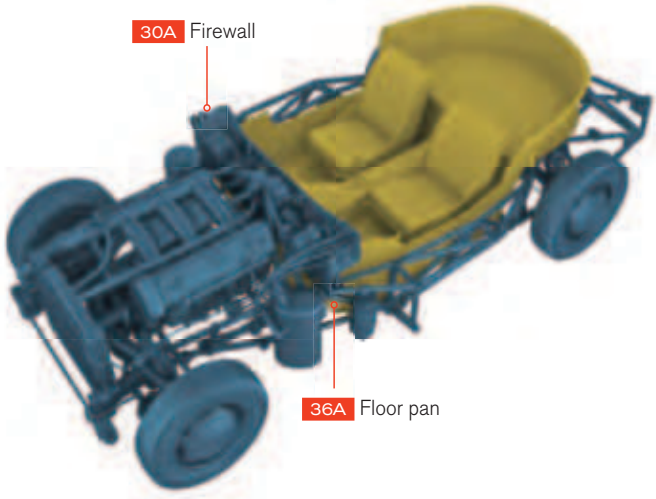
01 FITTING THE LUGGAGE COMPARTMENT OUTER PANEL

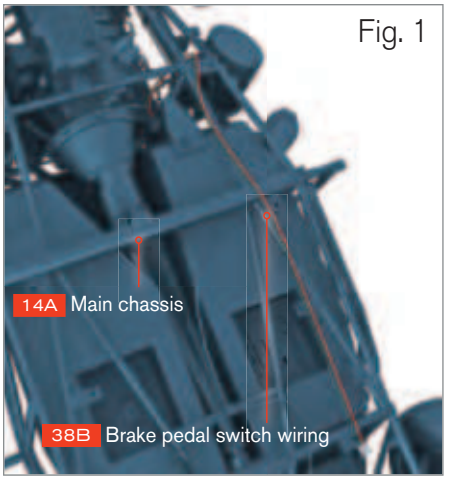
Fit the luggage compartment outer panel 43A to the rear edge of the interior floor pan 36A, ensuring that the four posts on the lower edge of the panel engage in the four sockets around the edge of the floor pan. Fix the panel in place from underneath with four **HP** screws.

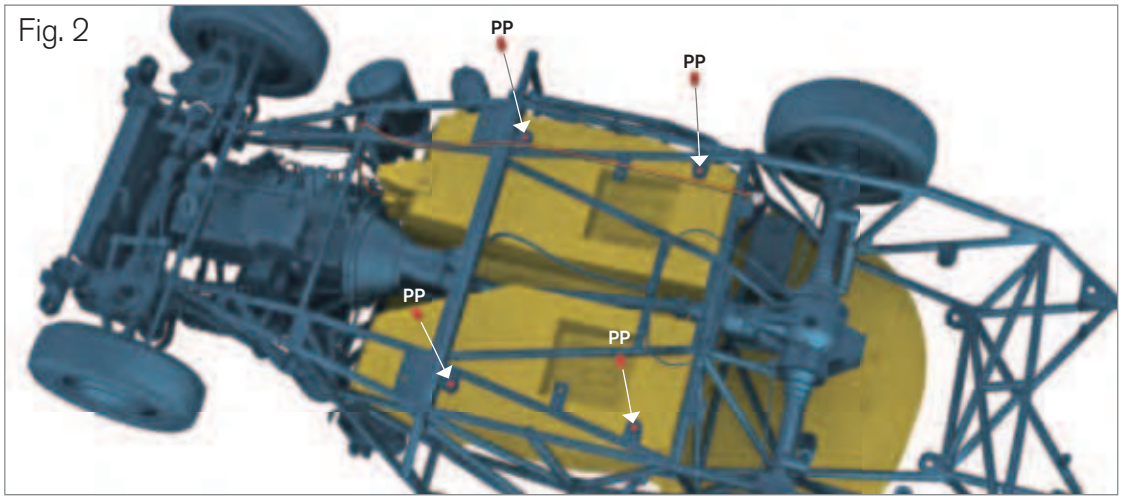


02 FITTING THE FLOOR PAN TO THE MAIN CHASSIS

Fit the assembled interior floor pan 36A into the chassis 14A. To do this, first slide the front edge of the floor pan down beneath the firewall 30A. Then lower the rear of the floor pan into the cavity in the chassis structure, above the rear wheels. Ensure that the wires from the brake pedal switch 38B are laid between the floor pan and the tubular frame, with the plug towards the rear of the model (figure 1). Now turn the model upside down and fix the floor pan in place with four **PP** screws through the four tabs on the chassis and into the floor pan 14A (figure 2).

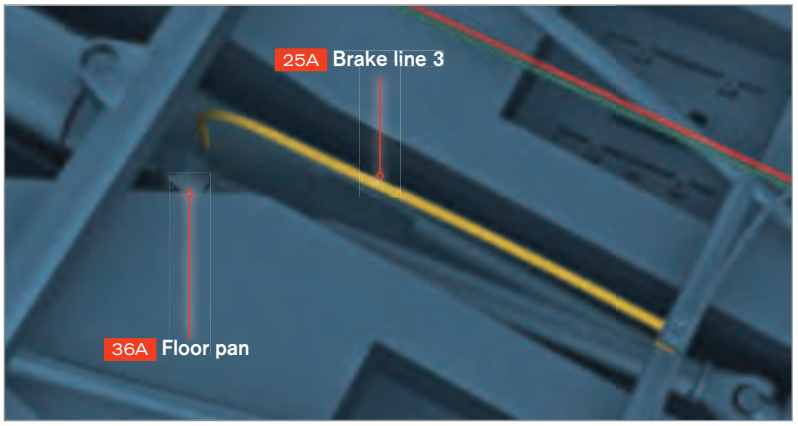






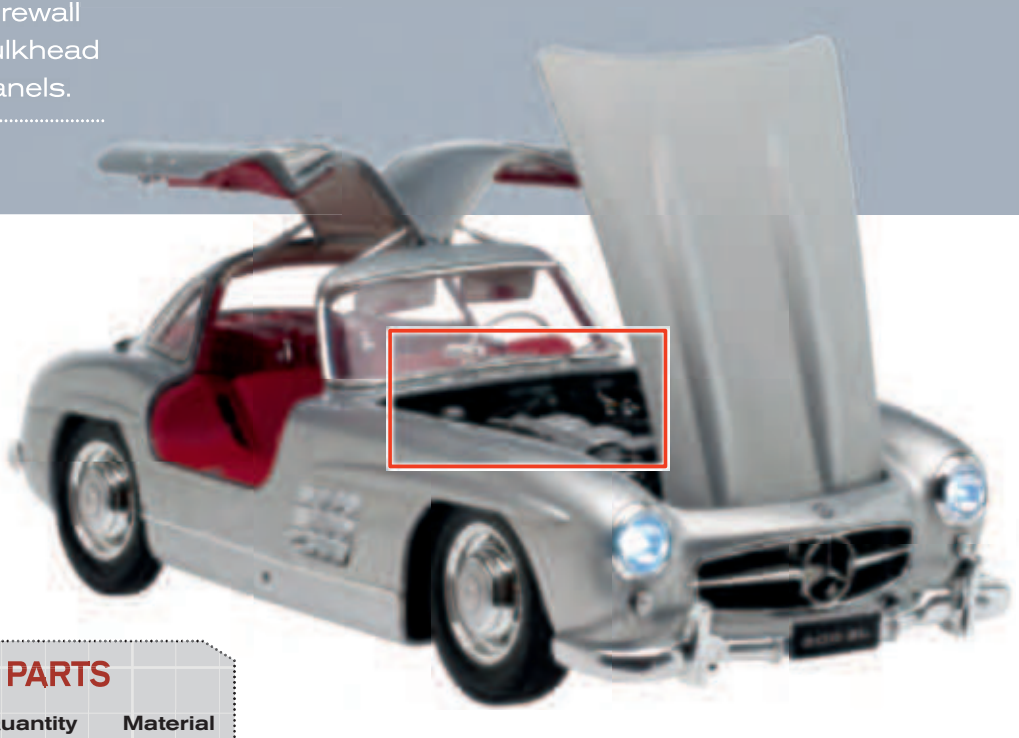
03 FITTING BRAKE LINE 3

Push the end of brake line 3 25A into the socket on the underside of the floor pan 36A beside the driveshaft universal joint.



The wiring from the brake pedal switch will be secured beneath the chassis and connected to the control circuit board at the rear in later stages. For now, just ensure that the wires remain accessible.

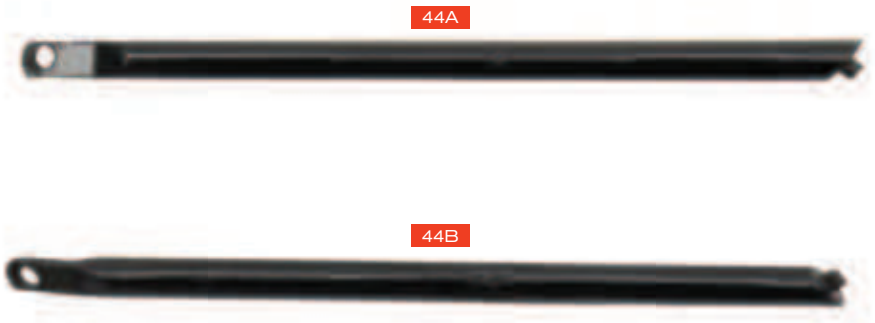
Insert the left and right firewall support struts through the firewall and connect them to the bulkhead frame and the inner door panels.



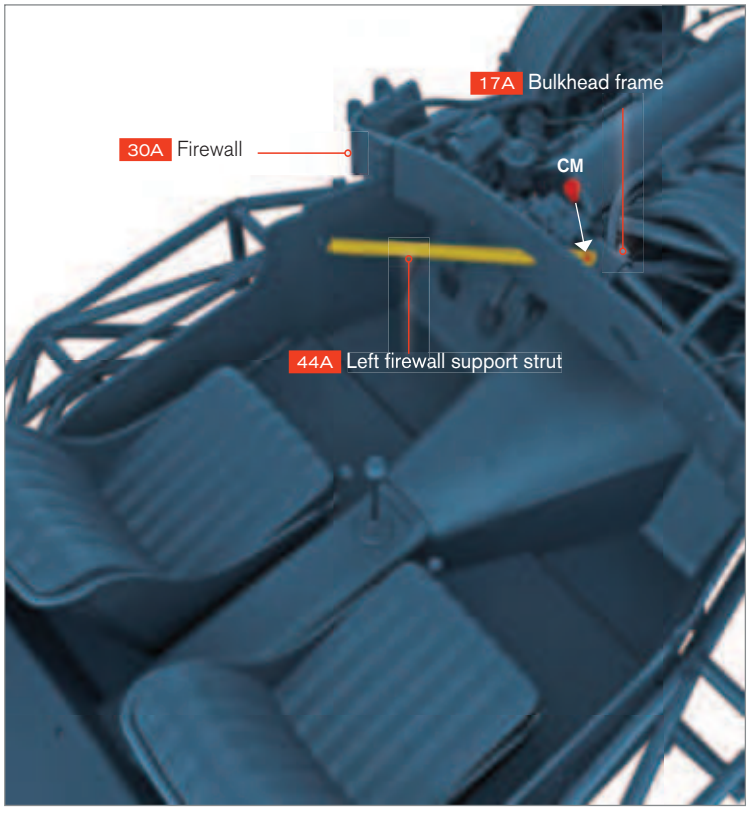
PHASE 44 – REQUIRED PARTS

Code	Name	Quantity	Material
44A	Left firewall support strut	1	Zinc
44B	Right firewall support strut	1	Zinc
CM	Screws 0.07 x 0.15in (2 x 4mm)	2 + 1*	Iron

* Replacement screws included

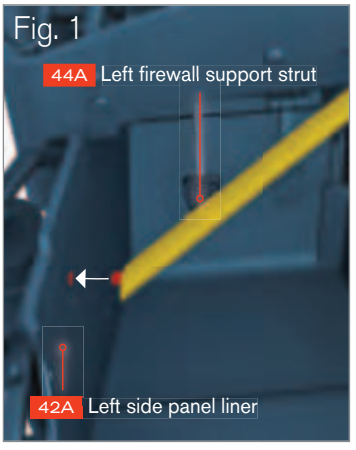


01 FITTING THE LEFT-SIDE FIREWALL SUPPORT STRUT

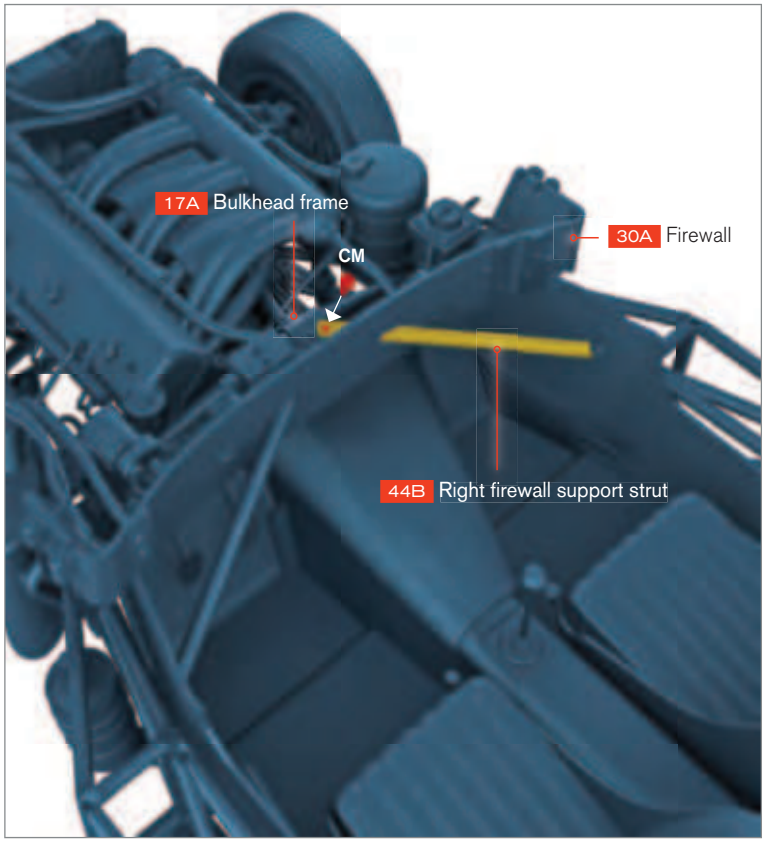


Slide the left firewall support strut 44A – marked with an L – through the diagonal hole in the center-left of the firewall 30A and align the screw hole at its end over the screw hole in the center of the bulkhead frame 17A. Fix in place with a **CM** screw. Fit the pin on the other end of the left-side firewall support strut 44A into the small hole in the side of the left side panel liner 42A (figure 1).

Fig. 1



02 FITTING THE RIGHT-SIDE FIREWALL SUPPORT STRUT

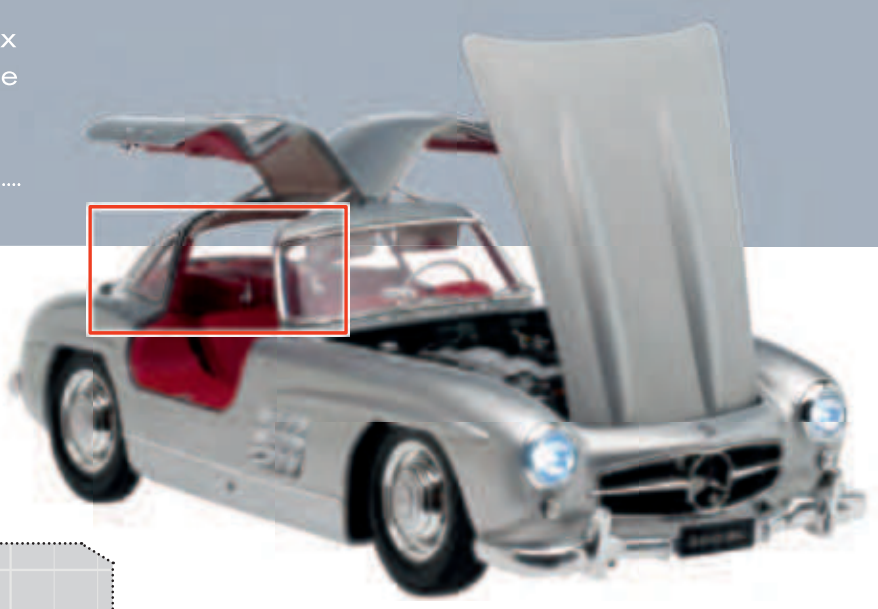


Slide the right firewall support strut 44B – marked with an R – through the diagonal hole in the center-right of the firewall 30A and align the screw hole at its end over the screw hole in the center of the bulkhead frame 17A. Fix in place with a **CM** screw. Fit the pin on the other end of the right-side firewall support strut 44B into the small hole in the side of the right side panel liner 42B (figure 1).

Fig. 1

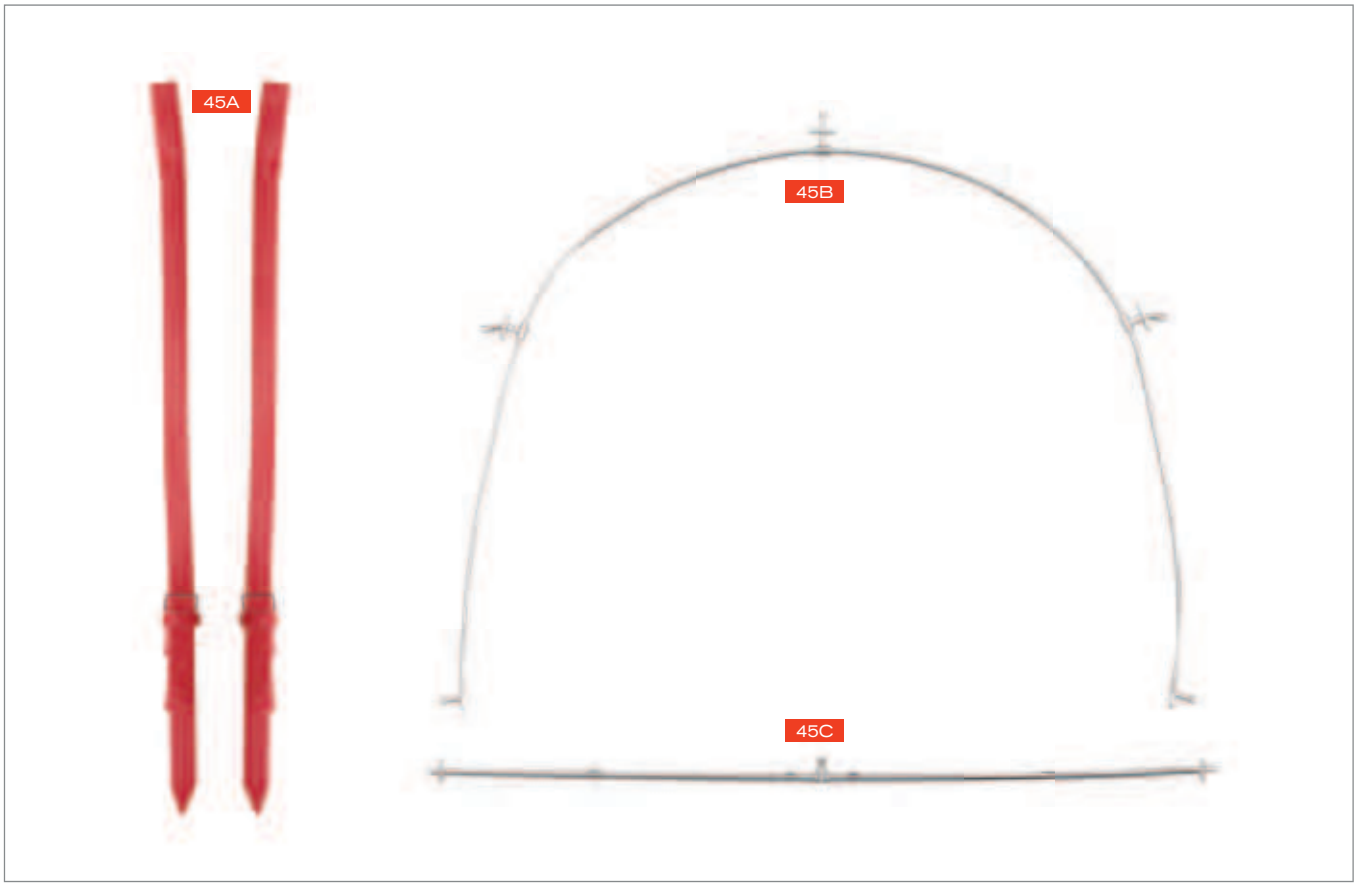
Both firewall support struts should be positioned underneath the hood release center arm (30D).

Fit the two suitcase retaining straps to the suitcase anchor frames and fix the front anchor frame to the luggage compartment outer panel and floor pan.



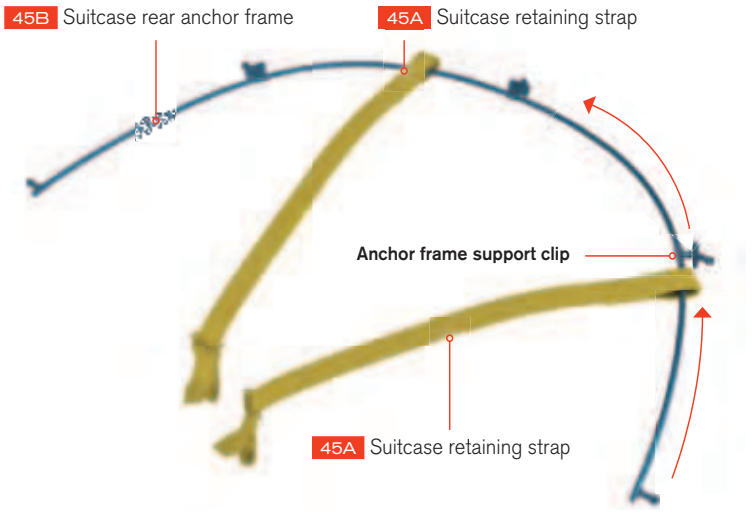
PHASE 45 – REQUIRED PARTS

Code	Name	Quantity	Material
45A	Suitcase retaining strap	2	PVC and iron
45B	Suitcase rear anchor frame	1	ABS
45C	Suitcase front anchor frame	1	ABS



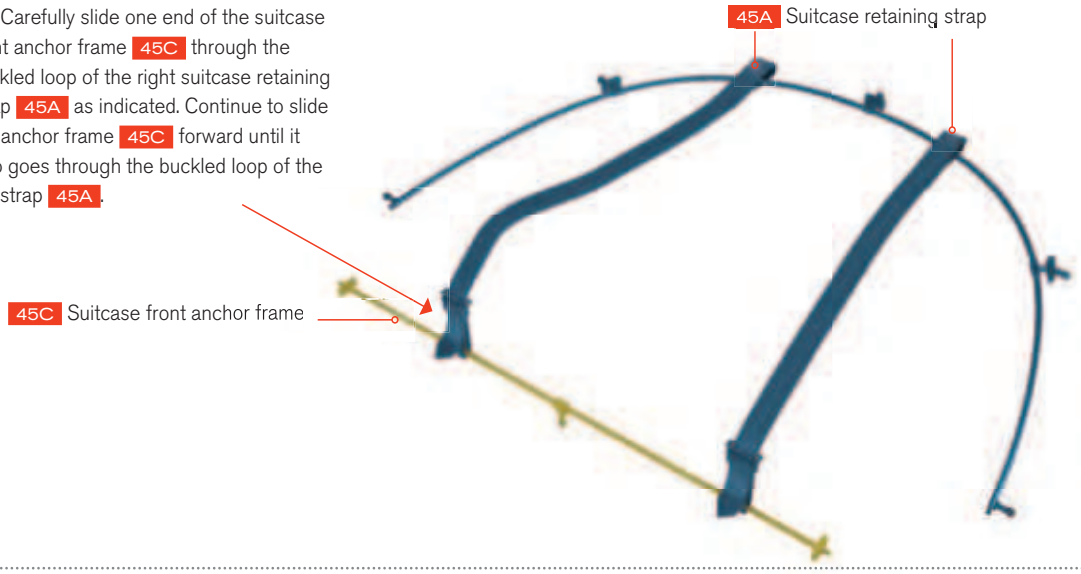
01 FITTING THE STRAPS TO THE REAR ANCHOR FRAME

Slide the looped end of one suitcase strap 45A over the end of the suitcase rear anchor frame 45B. Then carefully slip the loop in the strap past the anchor frame support clips to the position shown. Do the same with the other strap, positioning it as shown in the images. The straps should be symmetrically positioned on the anchor frame, as shown.



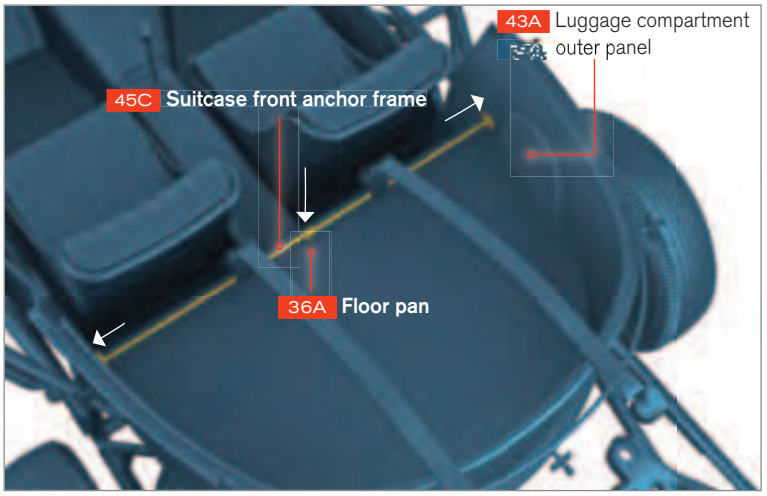
02 FITTING THE STRAPS TO THE FRONT ANCHOR FRAME

Carefully slide one end of the suitcase front anchor frame 45C through the buckled loop of the right suitcase retaining strap 45A as indicated. Continue to slide the anchor frame 45C forward until it also goes through the buckled loop of the left strap 45A.



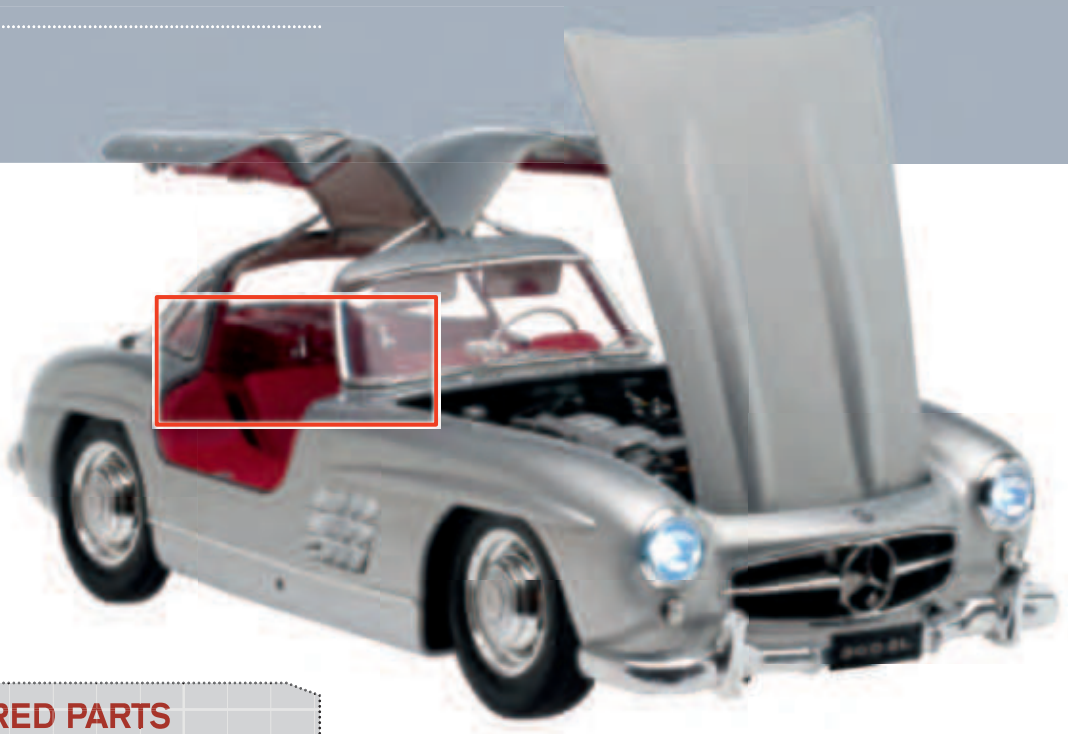
03 FIXING THE FRONT ANCHOR FRAME

Push the pin at the left end of the front anchor frame 45C into the small hole at the left side of the luggage compartment outer panel 43A.
Push the pin at the right end of the front anchor frame 45C into the small hole at the right side of the luggage compartment outer panel 43A. Push the pin at the center of the anchor frame through the hole in the carpet and into the hole in the floor pan 36A.
Do NOT fix the suitcase rear anchor frame at this time.



Two suitcases are supplied in this issue and the next, which must be stowed before the suitcase rear anchor frame is fitted to the luggage compartment outer panel.

In this phase, you receive the large suitcase to stow in the luggage compartment. There is no assembly required.



PHASE 46 – REQUIRED PARTS

Code	Name	Quantity	Material
46A	Large suitcase	1	ABS, PVC and iron

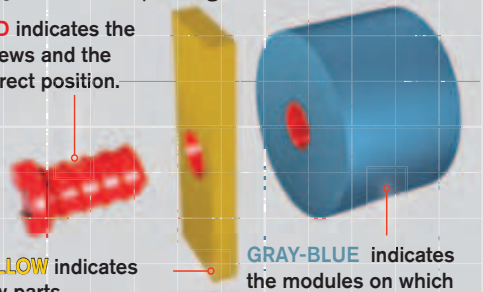
The small suitcase will be supplied with the next issue, and you can then secure them both using the straps fitted previously, as shown in the photograph below.

Stow both of the suitcases in the luggage compartment, secure them both in place using the previously assembled straps, and then fix the suitcase rear anchor frame in place.

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.

PHASE 47 – REQUIRED PARTS

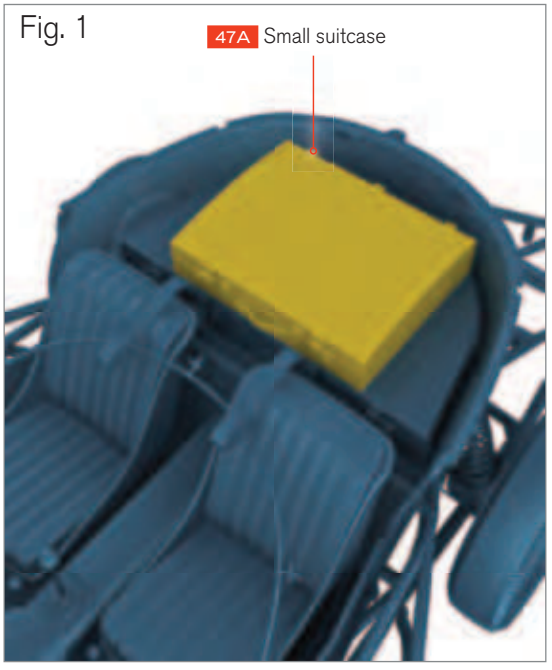
Code	Name	Quantity	Material
47A	Small suitcase	1	ABS, PVC and iron

47A

01 STOWING THE SUITCASES

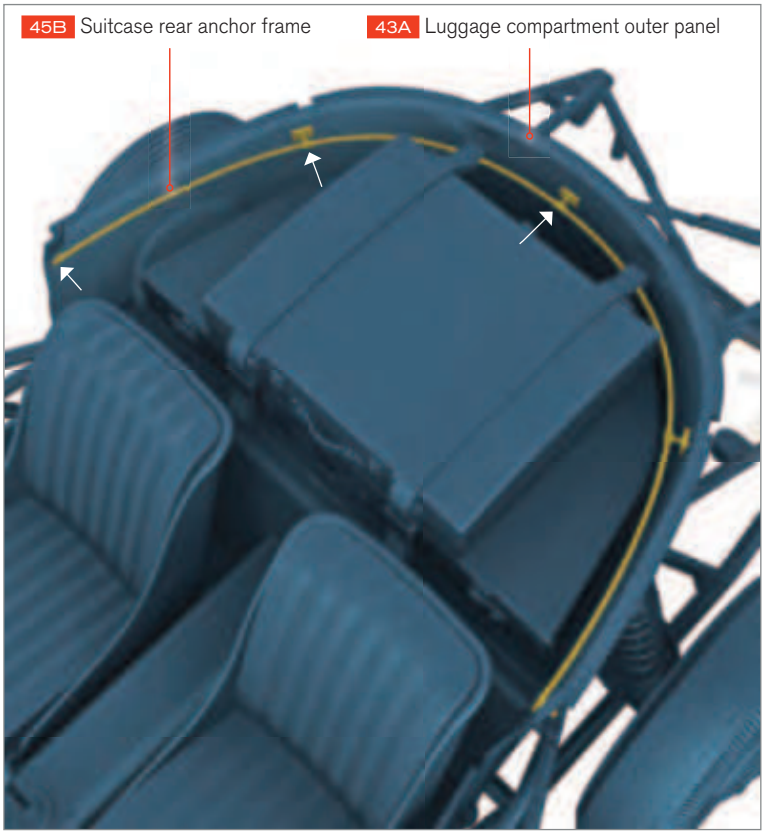
Temporarily position the suitcase rear anchor frame 45B and the straps 45A in front of the seats. Fit the large suitcase 46A into the luggage compartment of the floor pan 36A. Then place the small suitcase 47A on top of the larger suitcase, both with their carrying handles towards the front of the car (figure 1).

Fig. 1



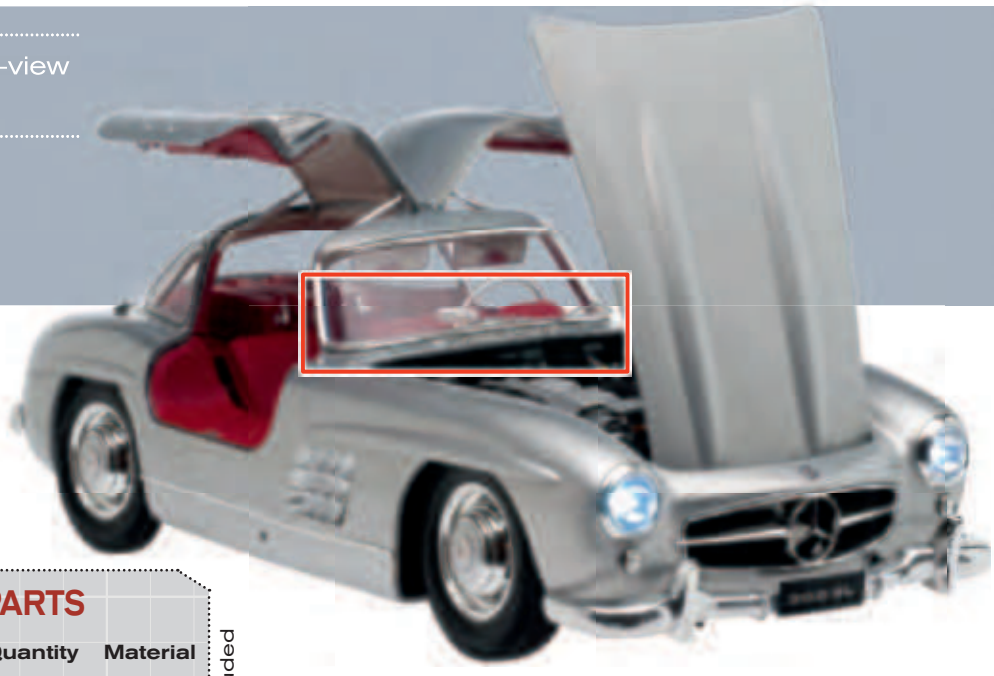
02 FIXING THE SUITCASE REAR ANCHOR FRAME IN PLACE

Now reposition the suitcase rear anchor frame 45B and straps 45A over the top of the two suitcases. Using tweezers, push the central clip of the suitcase rear anchor frame 45B into the small central hole in the luggage compartment outer panel 43A. Then push the four remaining clips into their corresponding holes around the sides of the luggage compartment outer panel 43A.



Be careful during later assembly stages that the suitcases do not slip out of position – especially when turning the car upside down.

Fit the ashtray cover and rear-view mirror to the dashboard.



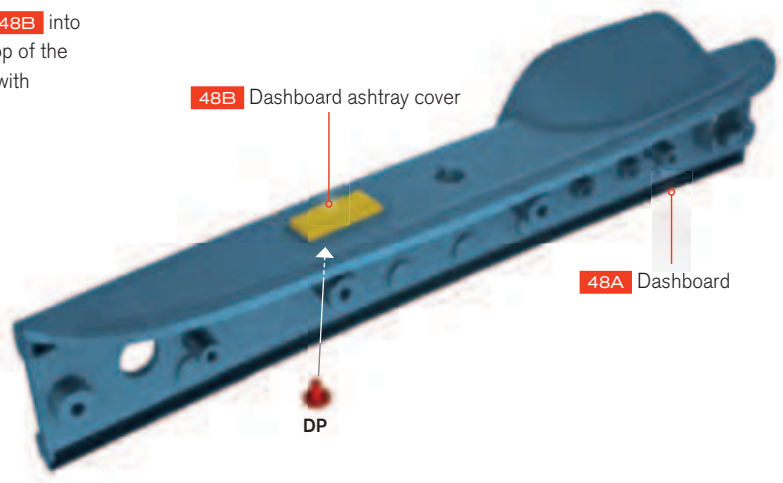
PHASE 48 – REQUIRED PARTS

Code	Name	Quantity	Material
48A	Dashboard	1	ABS
48B	Dashboard ashtray cover	1	ABS
48C	Rear-view mirror bracket	1	ABS
48D	Rear-view mirror	1	ABS
DP	Screws 0.06 x 0.11 x 0.17in (1.7 x 3 x 4.5mm)	1 + 1*	Iron
HP	Screws 0.07 x 0.15in (2 x 4mm)	1 + 1*	Iron

* Replacement screws included

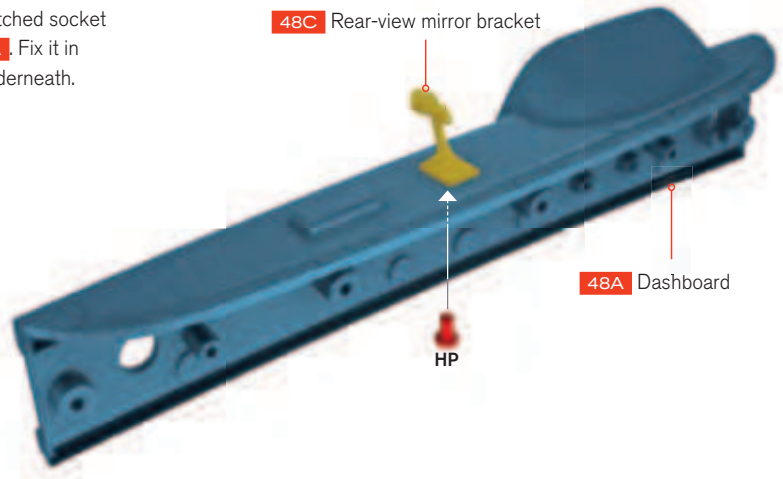
01 FITTING THE DASHBOARD ASHTRAY COVER

Fit the screw post and pin on the underside of the dashboard ashtray cover 48B into the corresponding holes in the top of the dashboard 48A. Fix it in place with a **DP** screw from underneath.



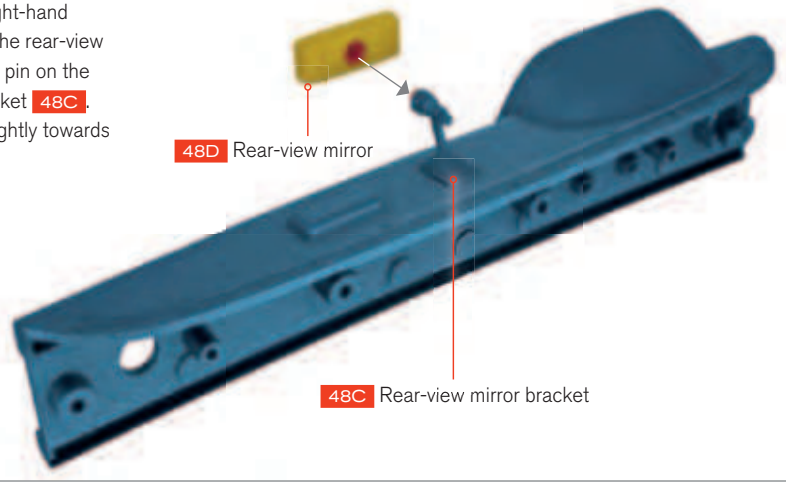
02 FITTING THE REAR-VIEW MIRROR BRACKET

Fit the notched base of the rear-view mirror bracket 48C into the notched socket in the top of the dashboard 48A. Fix it in place with an **HP** screw from underneath.



03 FITTING THE REAR-VIEW MIRROR

Please read the TIP in the right-hand margin before continuing. Push the rear-view mirror 48D onto the half-round pin on the neck of the rear-view mirror bracket 48C. The mirror is mounted to face slightly towards the driver's seat.



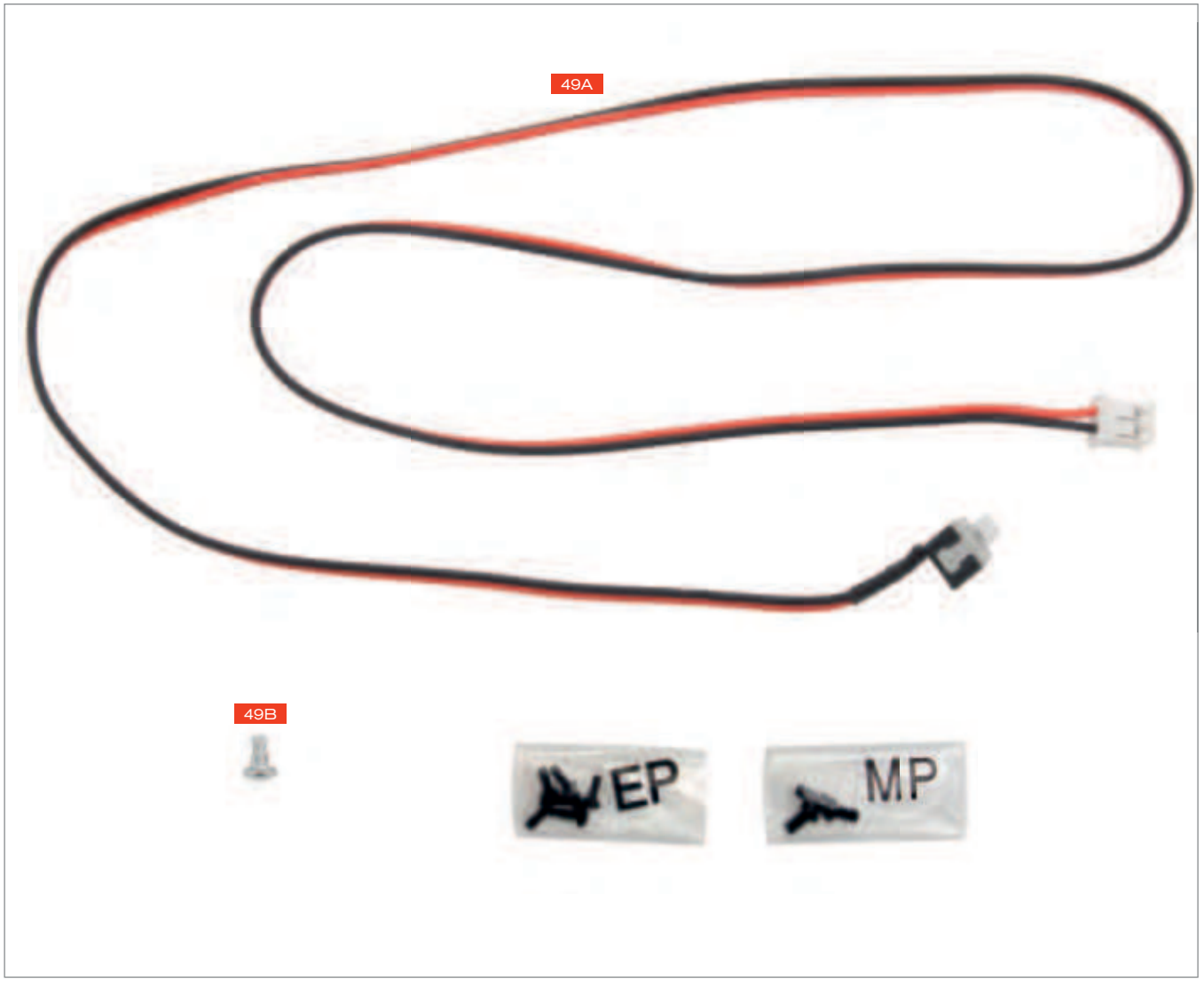
The rear-view mirror bracket is fragile, so take great care when fitting the mirror to it, and then store the assembly carefully until the next stage. Alternatively, do not fit the mirror to the bracket at this stage, but instead store it separately until the car is nearer to completion.

Install the On-Off toggle switch and wires to the dashboard and position the On-Off button. Attach the speedometer and rev counter, supplied in phase 3, to the instrument panel. Then fix the instrument panel to the dashboard. Finally, insert the steering column and fit the control arms.

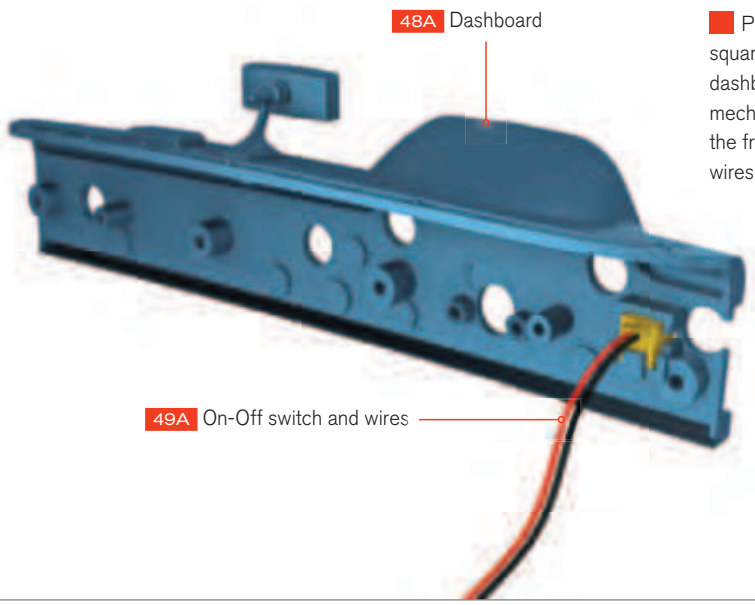
PHASE 49 – REQUIRED PARTS

Code	Name	Quantity	Material
49A	On-Off switch and wires	1	Mixed
49B	On-Off button	1	ABS
EP	Screws 0.06 x 0.15in (1.7 x 4mm)	4+2*	Iron
MP	Screws 0.09 x 0.15in (2.3 x 4mm)	2+1*	Iron

* Replacement screws included



01 INSTALLING THE ON-OFF SWITCH AND WIRES



Push the On-Off switch 49A into the square housing behind the left side of the dashboard 48A. Ensure that the switch mechanism faces towards the driver through the front of the dashboard, and that the wires remain behind the dashboard.

02 FITTING THE SPEEDOMETER AND REV COUNTER

Take the speedometer and rev counter module 03D and the dashboard instrument panel 03A, both supplied in phase 3. Push the module firmly into position on the back of the instrument panel. Note that it will only fit one way, so that the dials read the correct way up. Also ensure that the two small tabs at the bottom of the dials are pushed firmly into position on the instrument panel (figure 1).

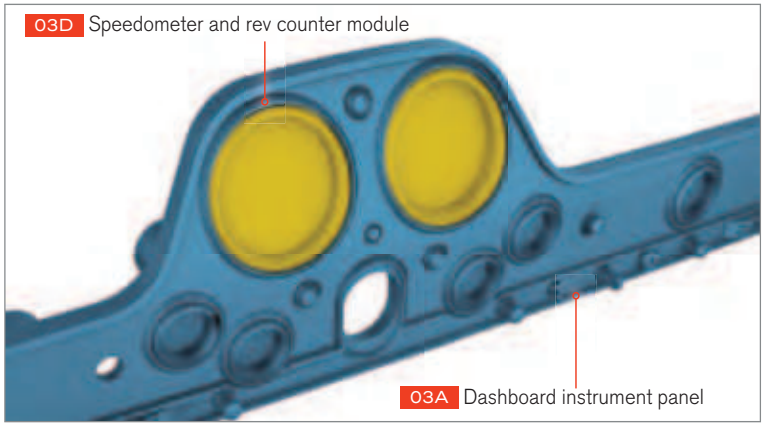
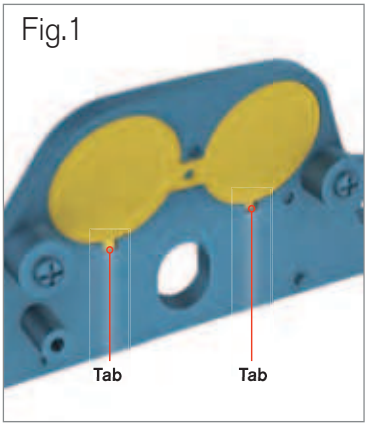
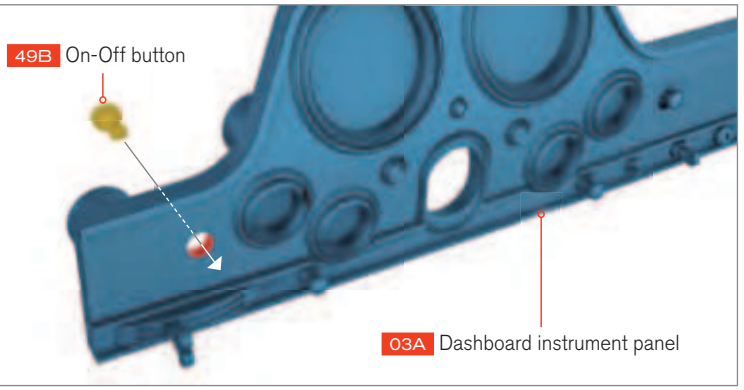


Fig.1



03 FITTING THE ON-OFF BUTTON

From behind, insert the On-Off button 49B through the small hole in the left of the dashboard instrument panel 03A. Ensure that the button protrudes through the front of the panel.



Remember that the interior mirror support is fragile, so take care when handling the dashboard during this assembly.

04 FITTING THE DASHBOARD INSTRUMENT PANEL

Position the dashboard instrument panel 03A onto the face of the dashboard 48A. Ensure that the collar of the On-Off button 49B is positioned over the toggle of the On-Off switch 49A. Fix with four **EP** screws from behind, in the positions shown (figure 1). Press and release the On-Off button several times to check that it operates the switch toggle correctly (figure 2).

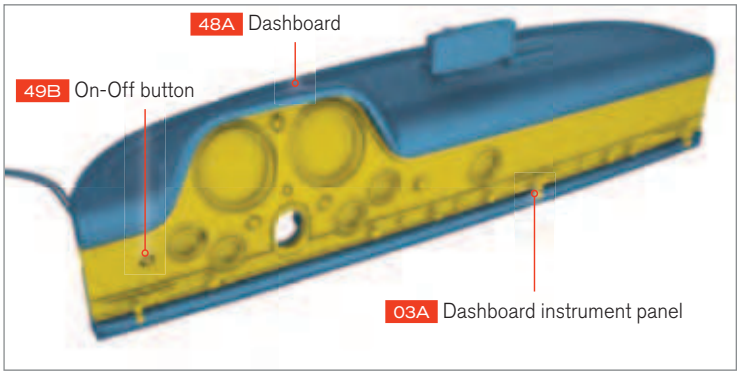


Fig. 1

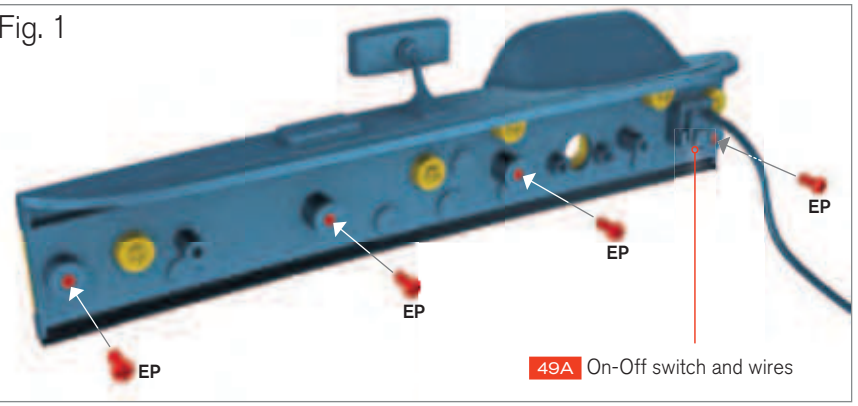
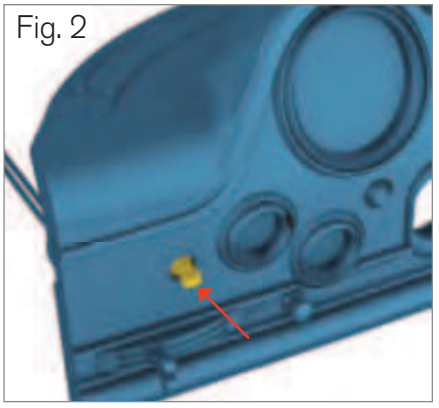
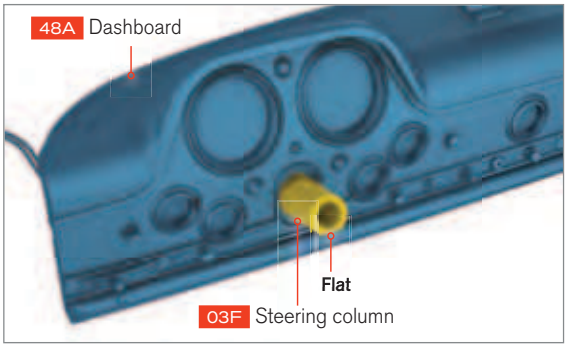


Fig. 2



05 FITTING THE STEERING COLUMN

Take the steering column 03F supplied in phase 3. From behind, insert the column through the hole in the dashboard beneath the speedometer and rev counter. Ensure that the flat surface on the tube of the column faces downwards, and that the two screw holes at the base of the steering column align with the posts on the back of the dashboard. Fix the steering column in place with two **MP** screws, as shown (figure 1).



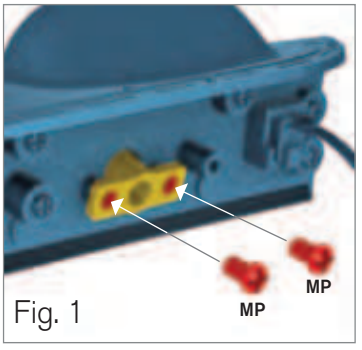
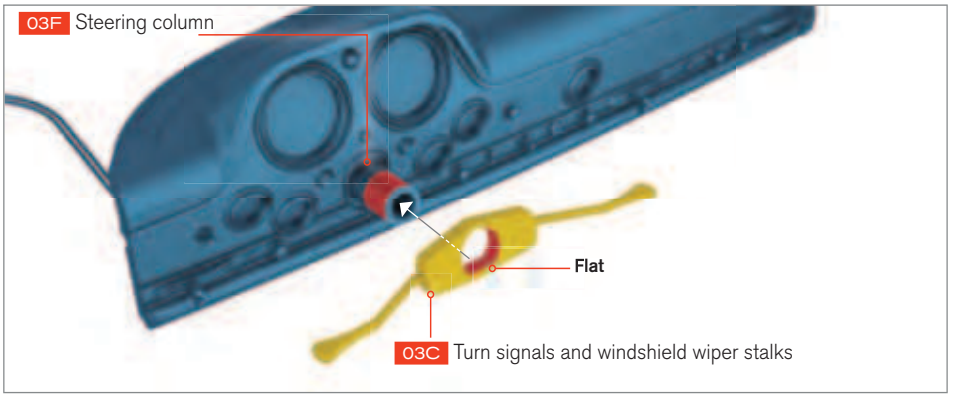


Fig. 1

06 FITTING THE CONTROL ARMS

Take the turn signals and windshield wiper stalks module 03C which was supplied with phase 3. Slide the central collar of the module onto the neck of the steering column 03F, ensuring that the flat part of the collar coincides with the flat part on the steering column tube.



In future phases you will complete the dashboard assembly and wiring, and fit the steering wheel, as shown below.

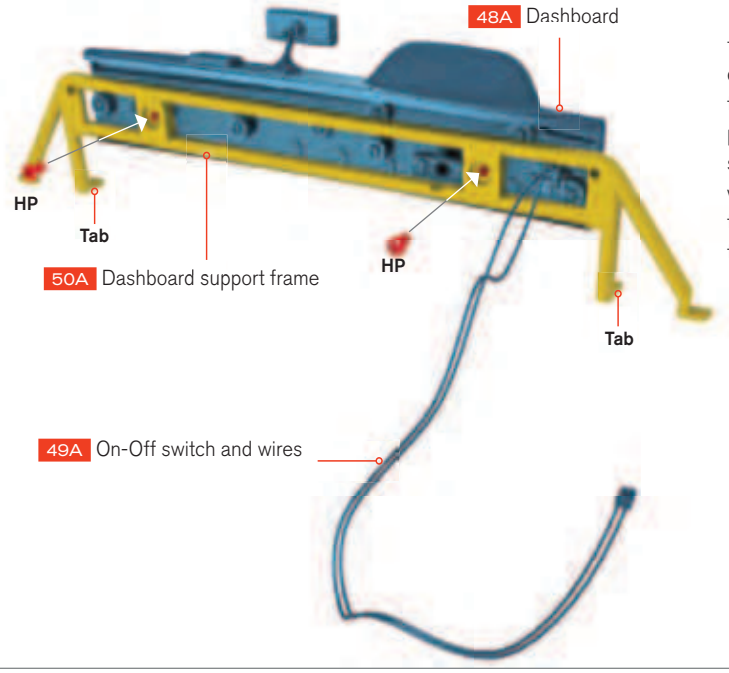
Fit the dashboard support frame to the back of the dashboard, insert the steering shaft, mount the dashboard onto the main chassis, add the left and right struts, and position the steering wheel.

PHASE 50 – REQUIRED PARTS

Code	Name	Quantity	Material
50A	Dashboard support frame	1	Zinc
50B	Dashboard frame left strut	1	Zinc
50C	Dashboard frame right strut	1	Zinc
50D	Steering shaft	1	Zinc
CM	Screws 0.07 x 0.15in (2 x 4mm)	4 + 2*	Iron
EM	Screws 0.07 x 0.19in (2 x 5mm)	1 + 1*	Iron
GM	Screws 0.07 x 0.27in (2 x7mm)	4 + 2*	Iron
HP	Screws 0.07 x 0.15in (2 x 4mm)	2 + 1*	Iron
VM	Screws 0.06 x 0.11 x 0.17in (1.7 x 3 x 4.5mm)	1 + 1*	Iron

* Replacement screws included

01 FITTING THE DASHBOARD SUPPORT FRAME

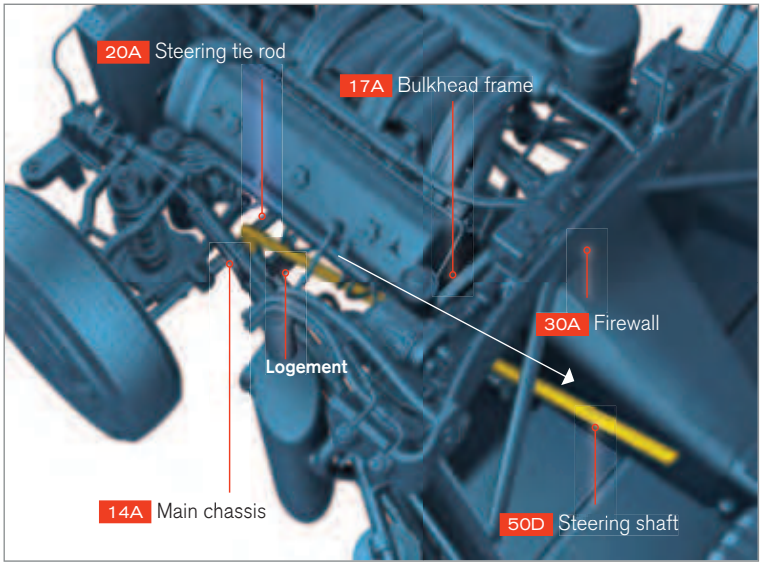


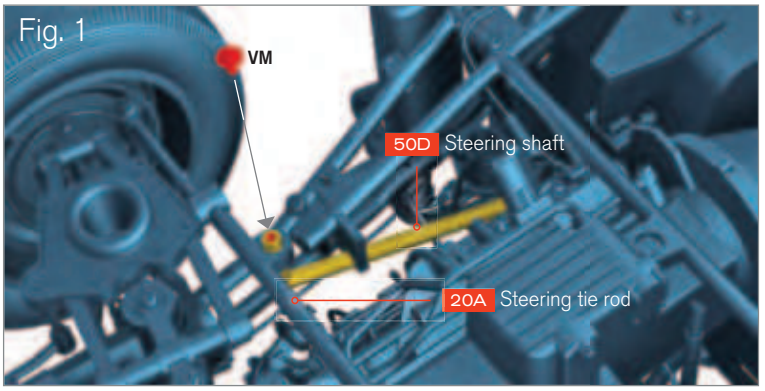
Position the dashboard support frame 50A onto the back of the dashboard 48A as shown. Ensure that the wires of the On-Off switch 49A pass freely through the frame. Also make sure that the two angled fixing tabs on the vertical legs of the frame point towards the back of the car. Fix in place with two **HP** screws.

Remember that the interior mirror support is fragile, so take care when handling the dashboard during this assembly.

02 INSERTING THE STEERING SHAFT

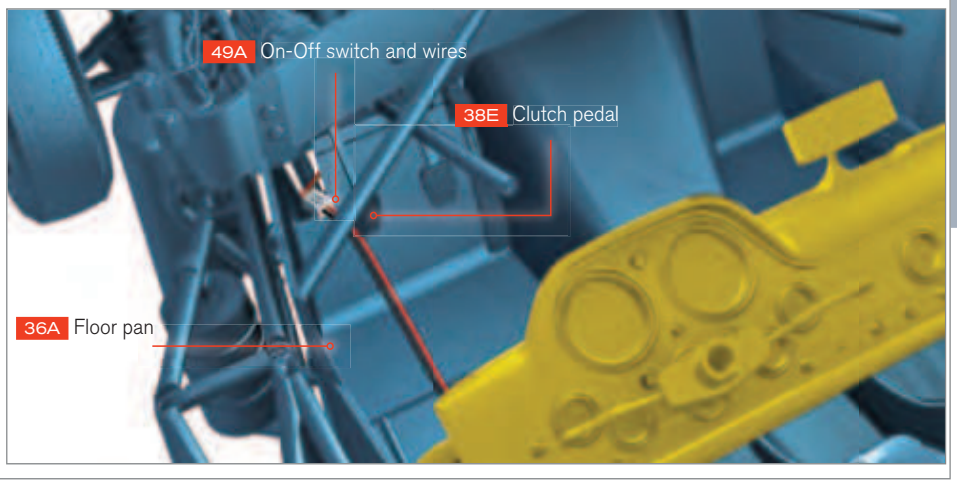
Take the main car assembly and slide the angled end of the steering shaft 50D down beneath the firewall 30A. Pass the shaft through the bulkhead frame 17A and onto the U-shaped support on the main chassis 14A. Then turn the complete car assembly upside down and fit the end of the steering tie rod 20A. Secure it in place with a **VM** screw into the lower end of the steering shaft, as shown (figure 1).





03 FITTING THE ON-OFF SWITCH WIRES

Rest the dashboard assembly across the interior floor of the car with its front facing the back of the car. Feed the wires from the On-Off switch 49A through the square hole in the floor pan 36A, to the left of the clutch pedal 38E. Allow the wires to trail loosely beneath the chassis for now – they will be secured in the next phase.



04 FITTING THE DASHBOARD TO THE MAIN CHASSIS

Raise the dashboard assembly and position it just in front of the firewall 30A as shown in the picture. Carefully insert the end of the steering shaft 50D up through the steering column hole 03F until the end emerges the other side of the dashboard. Now locate the legs of the dashboard support frame 50A over the screw holes on the left side tubular frame (1) 15A and the right side tubular frame (1) 16A. Fix in place with two **GM** screws through the tabs on the angled legs of the dashboard support frame, and two **CM** screws through the tabs on the vertical legs of the dashboard support frame (figure 1).

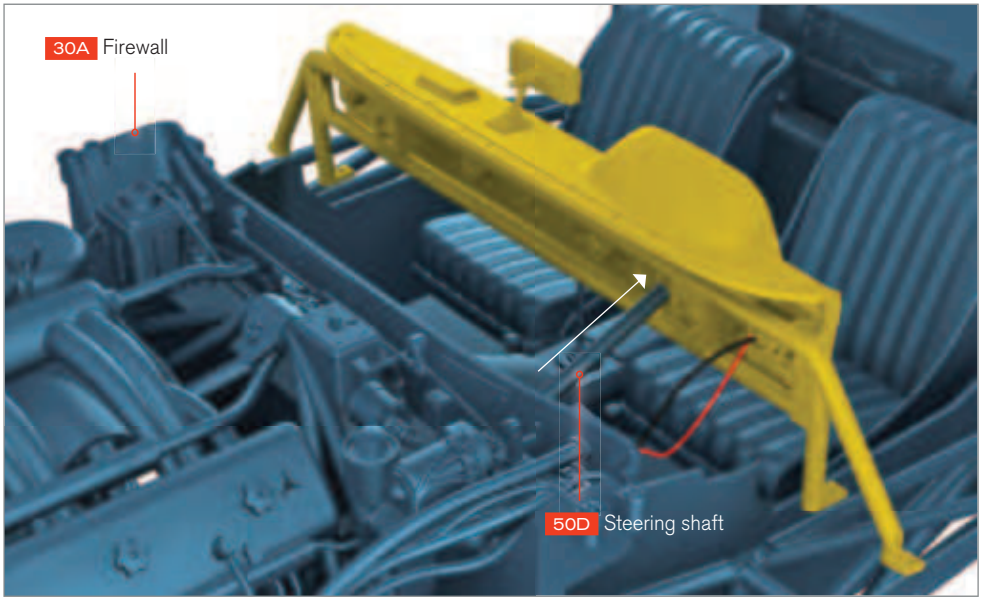
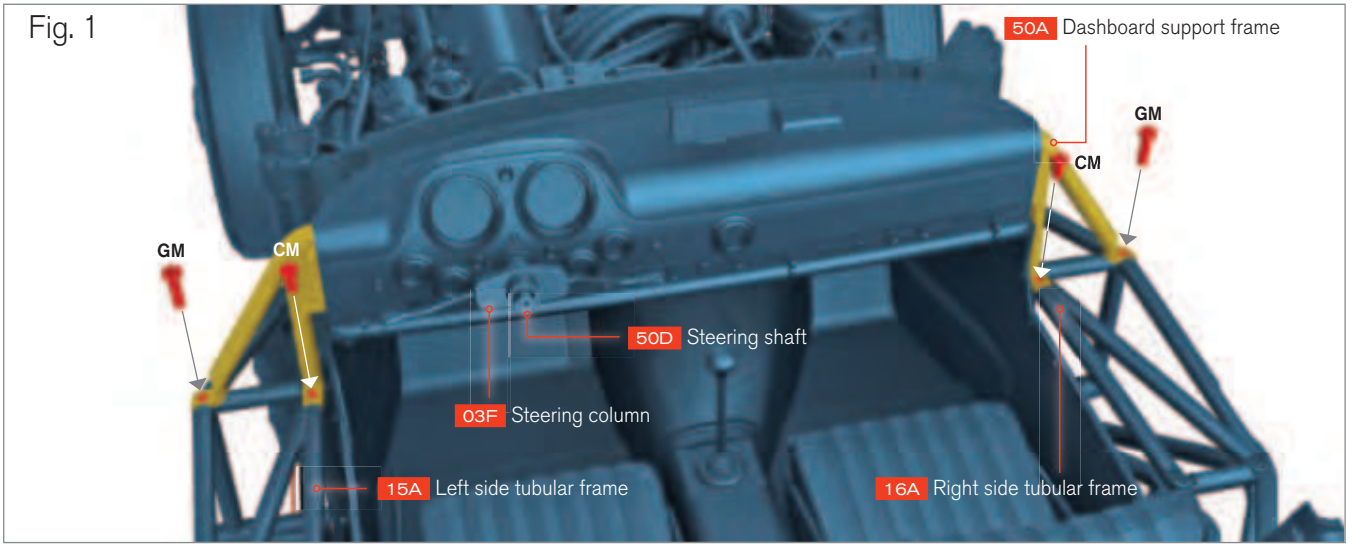
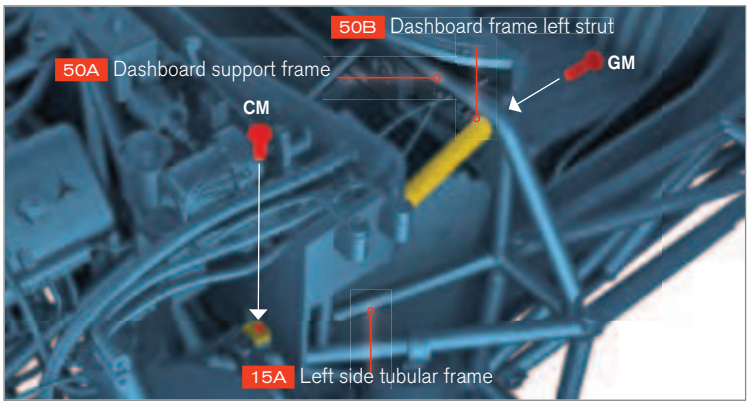


Fig. 1



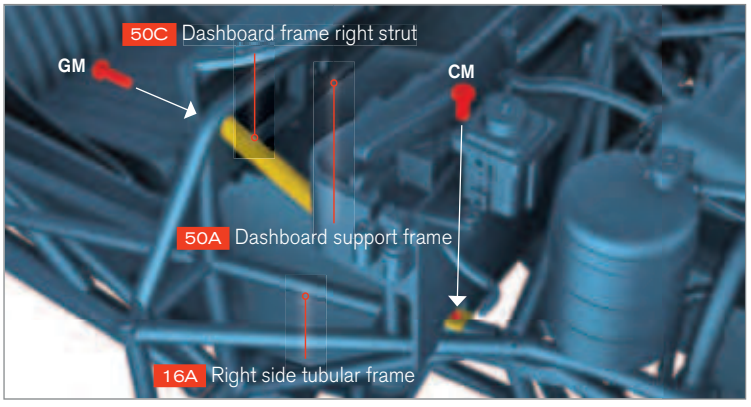
05 FITTING THE DASHBOARD FRAME LEFT STRUT

Position the dashboard frame left strut 50B down in front of the left side of the dashboard tubular frame 50A until the angled tab on the lower end rests on the socket in the forward V-joint of the left side tubular frame (1) 15A. Fix in place with a **CM** screw through the angled tab. Fix the upper end of the strut in place with a **GM** screw through the dashboard tubular frame, as shown.



06 FITTING THE DASHBOARD FRAME RIGHT STRUT

Position the dashboard frame right strut 50C down in front of the right side of the dashboard tubular frame 50A until the angled tab on the lower end rests on the socket in the forward V-joint of the right side tubular frame (1) 16A. Fix in place with a **CM** screw through the angled tab. Fix the upper end of the strut in place with a **GM** screw through the dashboard tubular frame, as shown.



07 FITTING THE STEERING WHEEL

Take the steering wheel 03E supplied with phase 3, and release the locking lever by gently turning it. Hinge the steering wheel down to expose the screw hole that goes through the center of the locking mechanism. Fit the mechanism over the end of the steering shaft 50D, ensuring that the steering wheel is hinged downwards and the locking lever is to the right. Fix with an **EM** screw through the center of the mechanism (figure 1). Then hinge the steering wheel upwards and secure it in position (figure 2) by turning the locking lever gently.

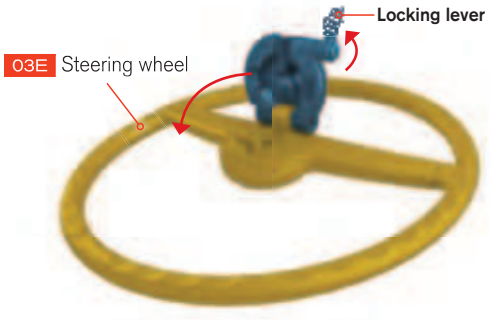


Fig. 1

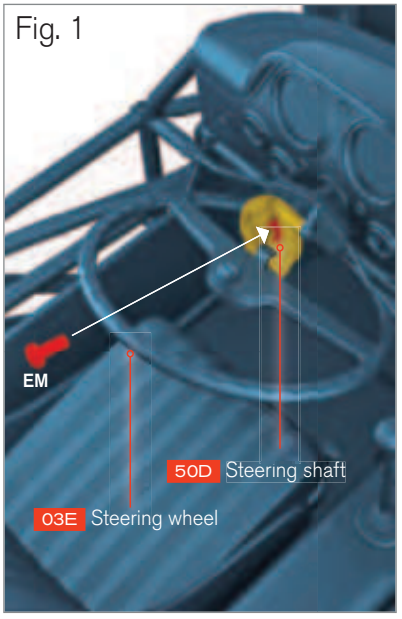
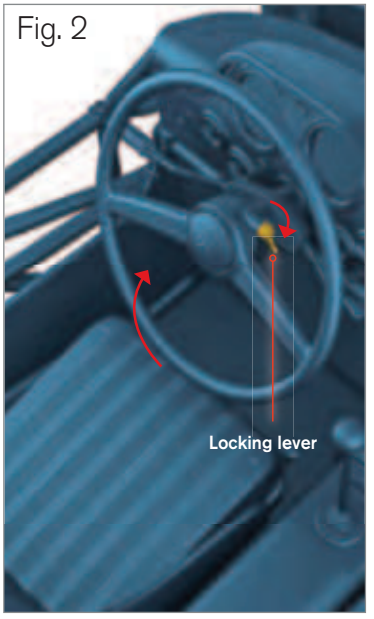


Fig. 2

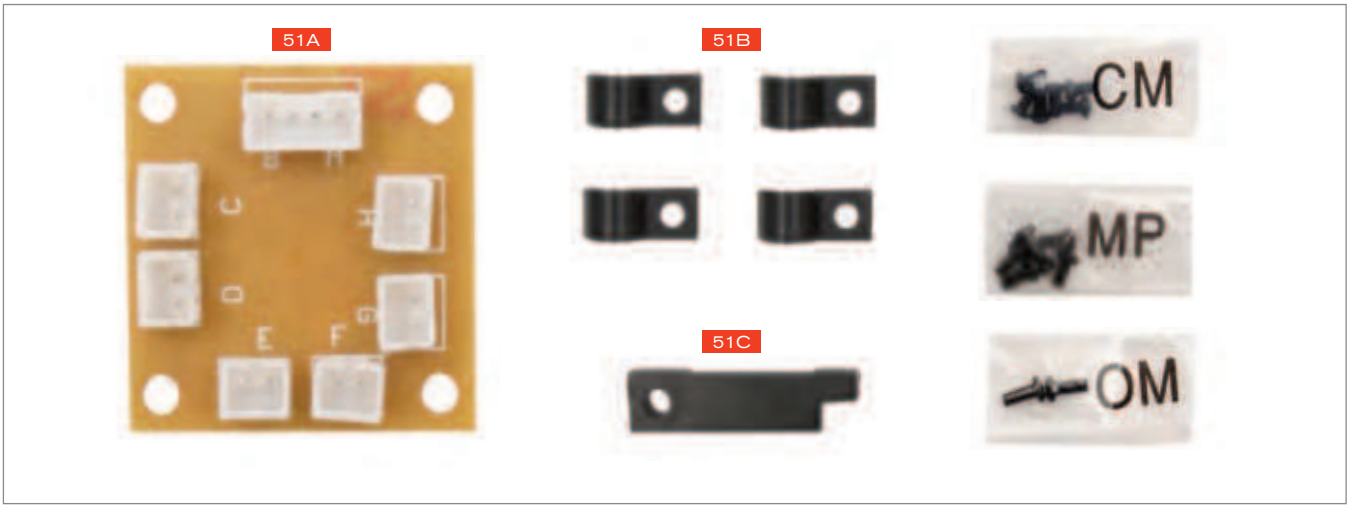


Fit the circuit board that controls the lighting system to the underneath of the floor pan, then connect it to the wiring from the brake pedal and dashboard switches.

PHASE 51 – REQUIRED PARTS

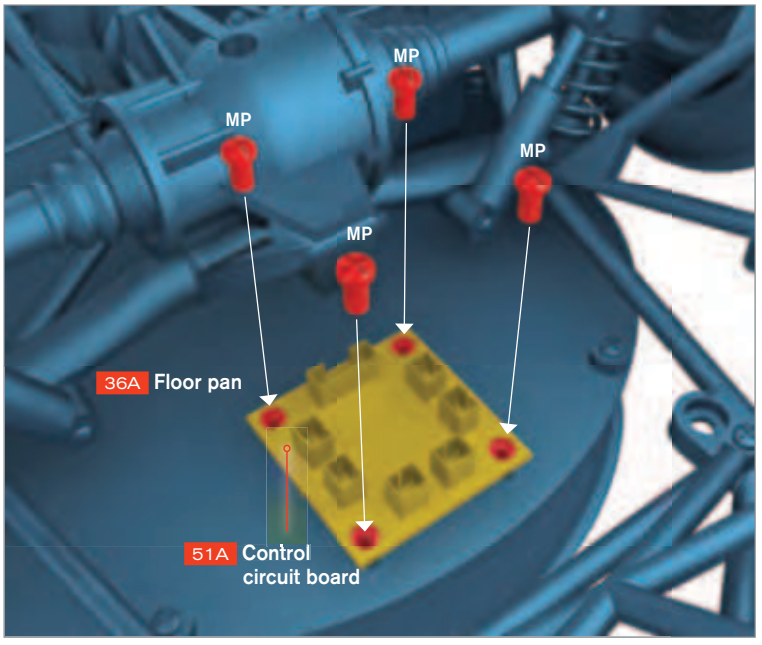
Code	Name	Quantity	Material
51A	Control circuit board	1	PCB
51B	Small cable clip	4	ABS
51C	Large cable clip	1	ABS
CM	Screws 0.07 x 0.15in (2 x 4mm)	4 + 2*	Iron
MP	Screws 0.09 x 0.15in (2.3 x 4mm)	4 + 2*	Iron
OM	Screws 0.09 x 0.19in (2.3 x 5mm)	1 + 1*	Iron

* Replacement screws included



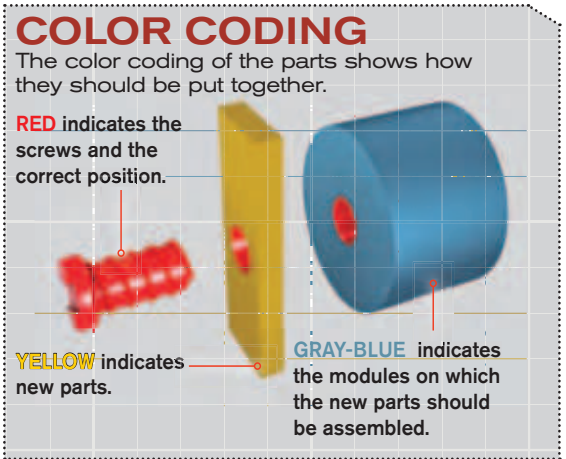
01 FITTING THE CONTROL CIRCUIT BOARD

Turn the model onto its side – see important note opposite. Fit the control circuit board 51A over the four screw posts on the rear underside of the floor pan 36A, with the largest 4-pin socket towards the front of the car. Fix it in place with four **MP** screws.

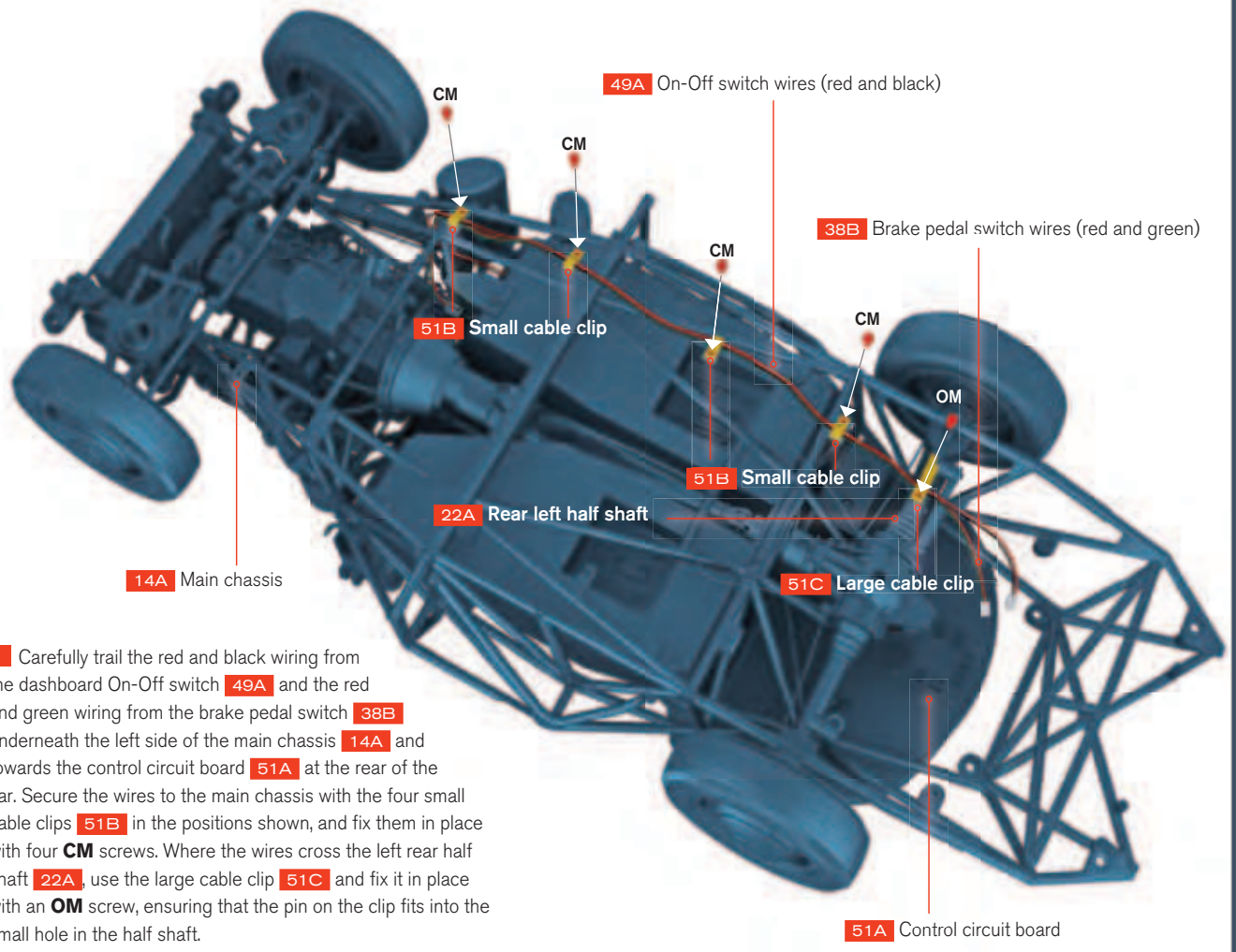


COLOR CODING

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



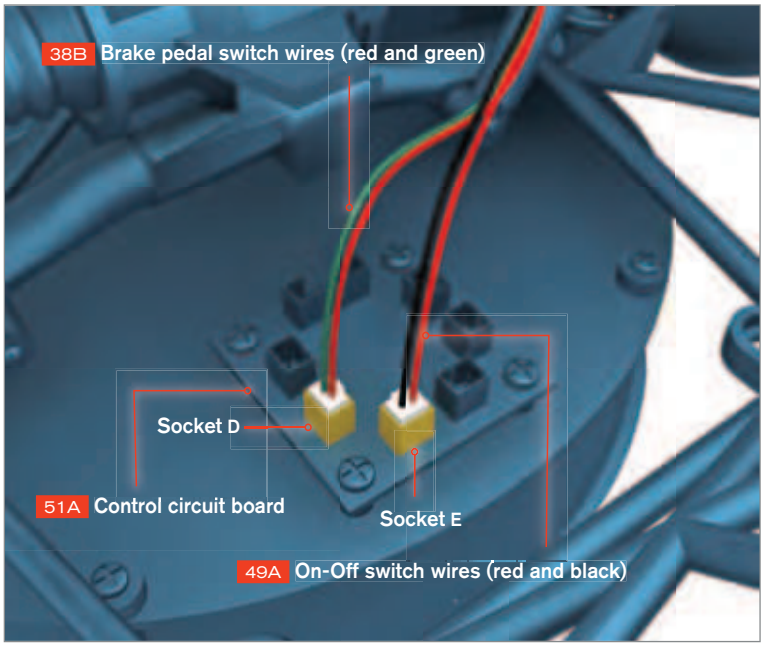
02 INSERTING THE CABLE CLIPS



Carefully trail the red and black wiring from the dashboard On-Off switch 49A and the red and green wiring from the brake pedal switch 38B underneath the left side of the main chassis 14A and towards the control circuit board 51A at the rear of the car. Secure the wires to the main chassis with the four small cable clips 51B in the positions shown, and fix them in place with four **CM** screws. Where the wires cross the left rear half shaft 22A, use the large cable clip 51C and fix it in place with an **OM** screw, ensuring that the pin on the clip fits into the small hole in the half shaft.

03 CONNECTING THE WIRES

Plug the red and black wires from the dashboard On-Off switch 49A into socket E on the control circuit board 51A. Plug the red and green wires from the brake pedal switch 38B into socket D.



IMPORTANT
Take great care not to damage the rear-view mirror and steering wheel while working on the underside of the model.

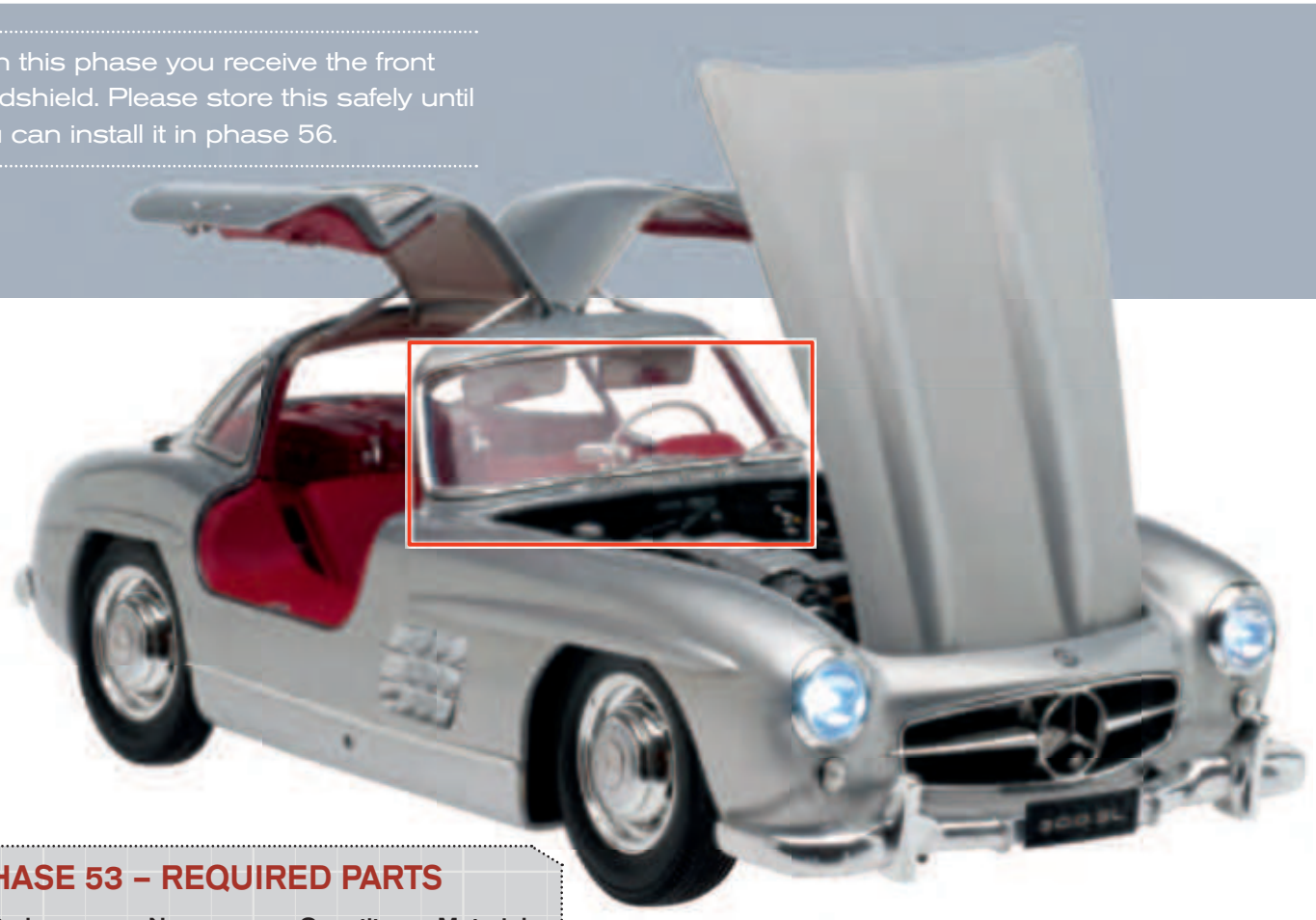
With this issue you receive the roof of the car. Please store this safely until you receive windows with the next phases.

PHASE 52 – REQUIRED PARTS

Code	Name	Quantity	Material
52A	Roof	1	Zinc

In phases 53–55 you receive and fit the front windshield, the rear window and the left and right quarter glasses.

With this phase you receive the front windshield. Please store this safely until you can install it in phase 56.



PHASE 53 – REQUIRED PARTS

Code	Name	Quantity	Material
53A	Front windshield	1	SAN

In phase 56 you will receive the main body shell, so you will be able to fit the roof and windows to it, and install the gullwing door.

Fit the left and right rear quarter glasses to the roof.

PHASE 54 – REQUIRED PARTS

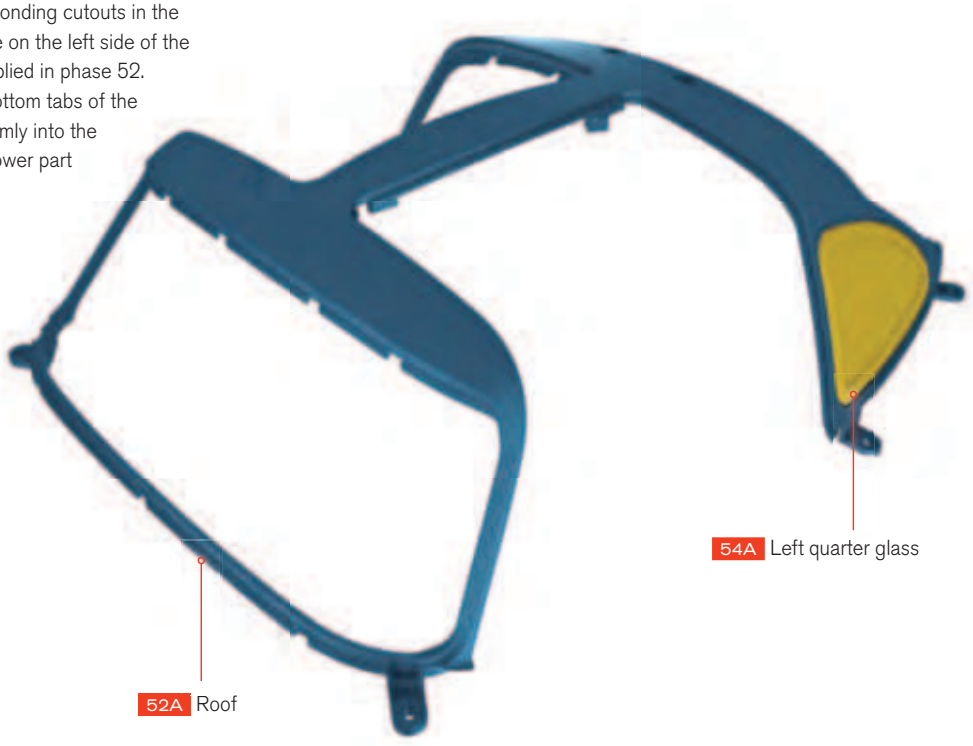
Code	Name	Quantity	Material
54A	Left quarter glass	1	SAN
54B	Right quarter glass	1	SAN

54A

54B

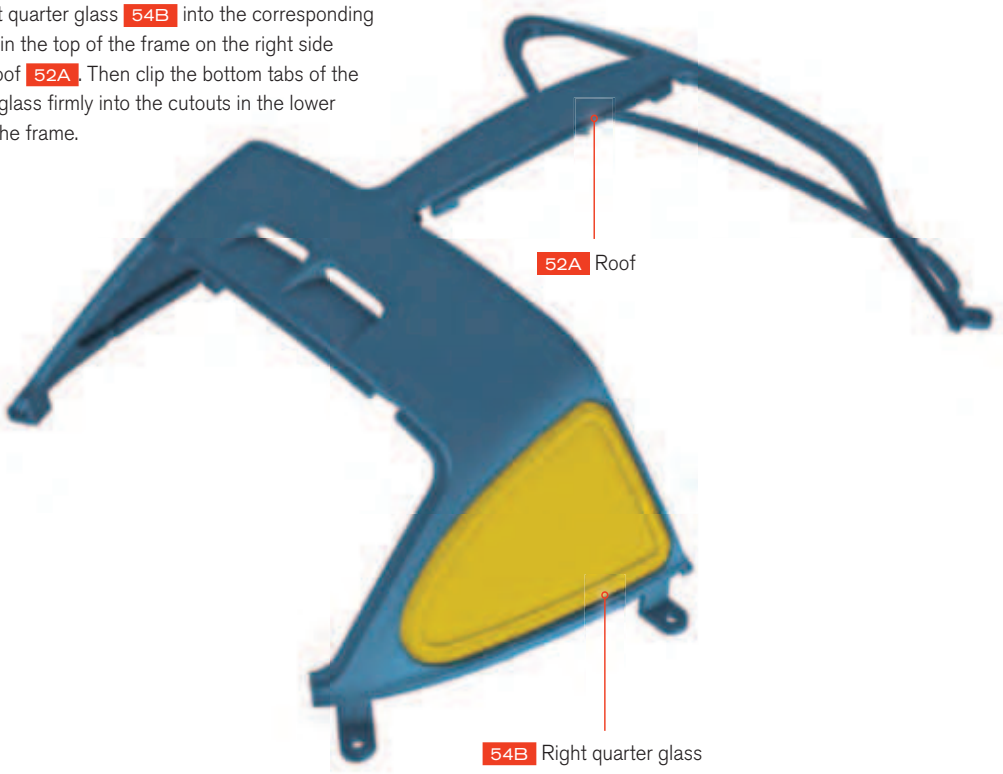
01 FITTING THE LEFT QUARTER GLASS

Carefully fit the two tabs on the top edge of the left quarter glass 54A into the corresponding cutouts in the top of the frame on the left side of the roof 52A supplied in phase 52. Then clip the bottom tabs of the quarter glass firmly into the cutouts in the lower part of the frame.



02 FITTING THE RIGHT QUARTER GLASS

Carefully fit the two tabs on the top edge of the right quarter glass 54B into the corresponding cutouts in the top of the frame on the right side of the roof 52A. Then clip the bottom tabs of the quarter glass firmly into the cutouts in the lower part of the frame.



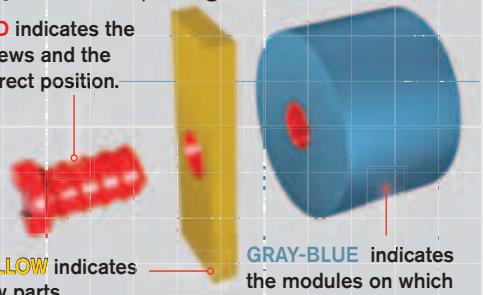
To avoid getting fingerprints on the windows, use latex gloves while fitting them.

Fit the rear window to the roof module.

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.

PHASE 55 – REQUIRED PARTS

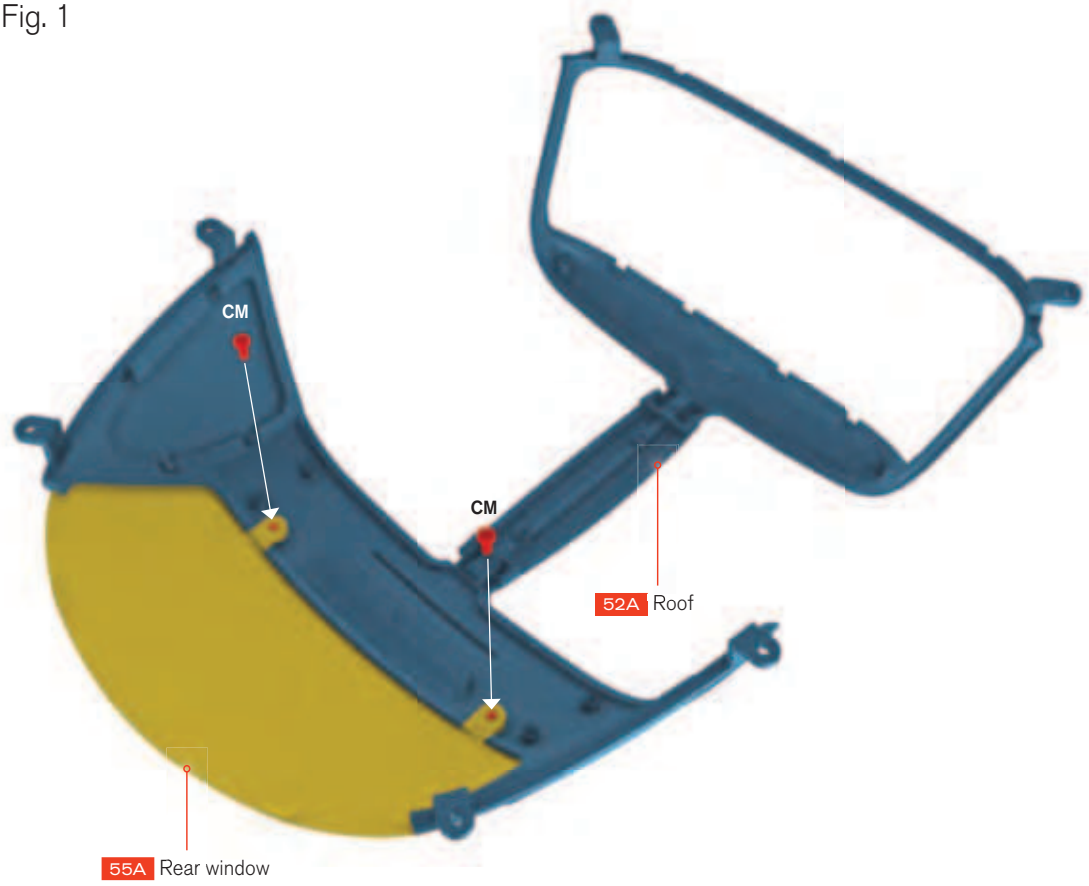
Code	Name	Quantity	Material
55A	Rear window	1	SAN
CM	Screws 0.07 x 0.15in (2 x 4mm)	2 + 1*	Iron

* Replacement screws included

01 FITTING THE REAR WINDOW

Carefully fit the two tabs on the top edge of the rear window 55A over the corresponding screw holes inside the roof 52A. The frame of the window must be positioned against the outside edge of the roof. Fix the window in place with two **CM** screws (figure 1). **Do not over-tighten these screws, as the SAN resin is fragile.**

Fig. 1



Work on a soft cloth to avoid scratching the paintwork on the roof, and wear latex gloves to avoid getting fingerprints on the windows.

Fit the roof and front windshield to the main body shell, then install the front radiator grille and mesh from phase 1.

PHASE 56 – REQUIRED PARTS

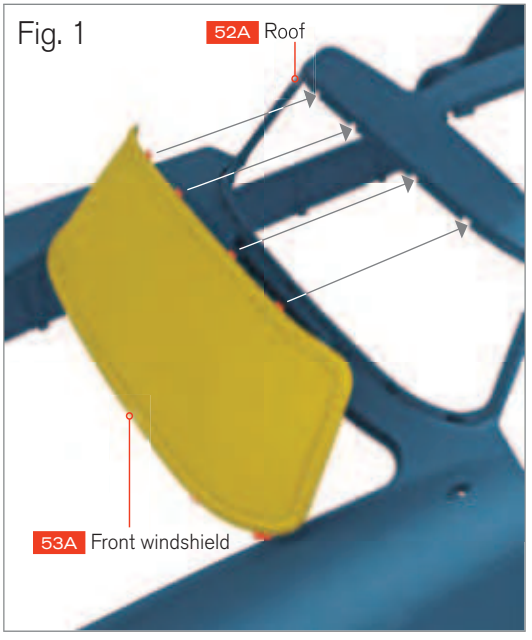
Code	Name	Quantity	Material
56A	Main body shell	1	Zinc
CM	Screws 0.07 x 0.15in (2 x 4mm)	6 + 2*	Iron
GP	Screws 0.06 x 0.23in (1.7 x 6mm)	2 + 1*	Iron
PM	Screws 0.09 x 0.27in (2.3 x 7mm)	2 + 1*	Iron

* Replacement screws included

01 FITTING THE FRONT WINDSHIELD

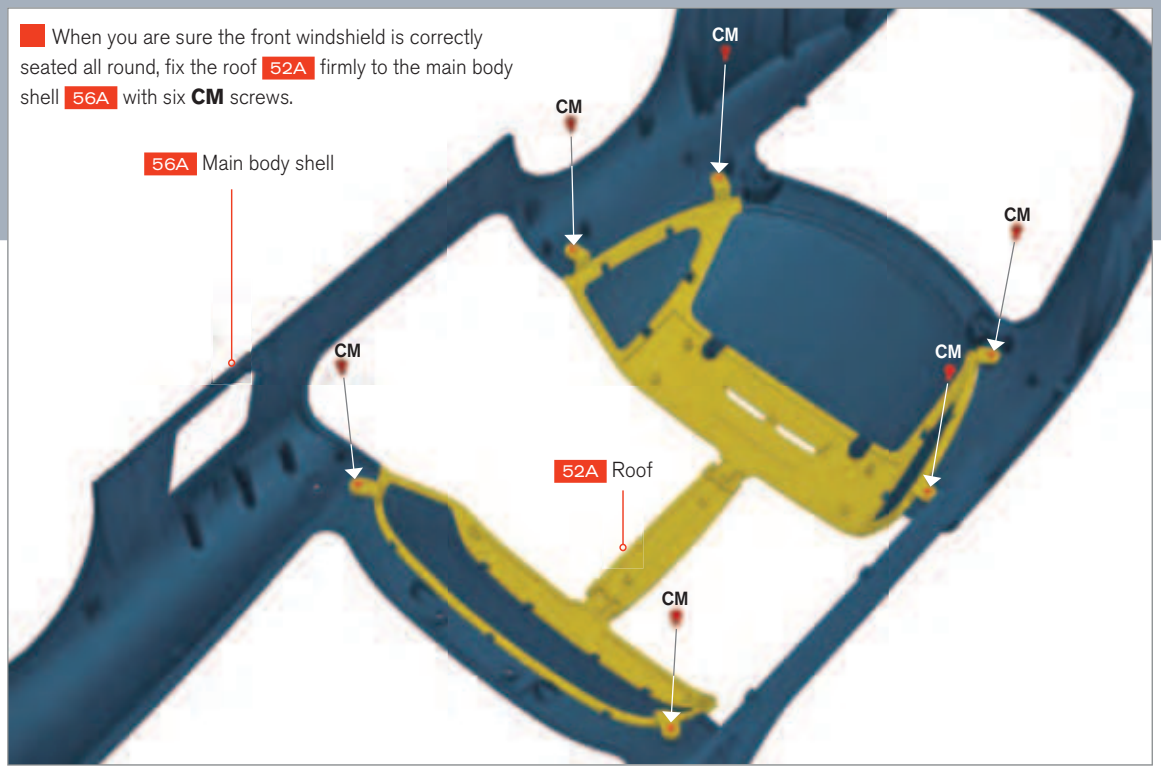
Fit the roof 52A up into the central frame of the main body shell 56A, ensuring that the six tabs around the edges of the roof align with the corresponding screw posts beneath the body shell. Before fixing the roof with screws, fit the tabs around the front windshield 53A into the four slots in the upper windshield frame of the roof and the five slots along the bottom of the frame (figure 1). Also, ensure that the lower edge of the rear window 55A fits snugly against the main body shell.

Fig. 1



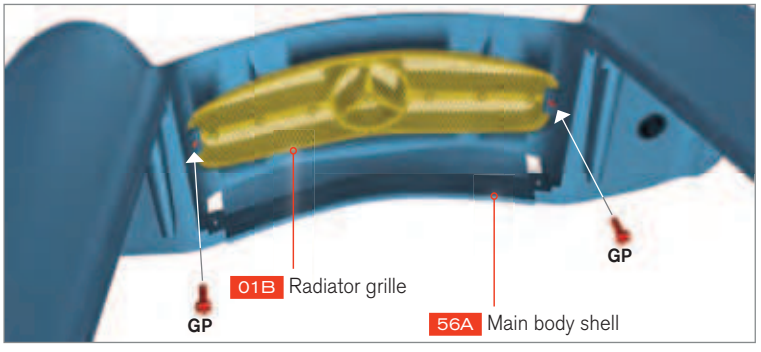
02 FIXING THE ROOF

When you are sure the front windshield is correctly seated all round, fix the roof 52A firmly to the main body shell 56A with six **CM** screws.



03 INSTALLING THE RADIATOR GRILLE

Take the radiator grille 01B and the grille mesh that you assembled in phase 1. From inside, fit the radiator grille into the front opening of the main body shell 56A. Fix it in place from inside with two **GP** screws.



04 FITTING THE FRONT BUMPER

Take the assembled front bumper 05A, overriders, and brackets that you built in phase 5. Insert the left bumper support 05E and the right bumper support 05F through the holes in the front of the main body shell 56A. Fix the bumper in place from inside with two **PM** screws (figure 1).

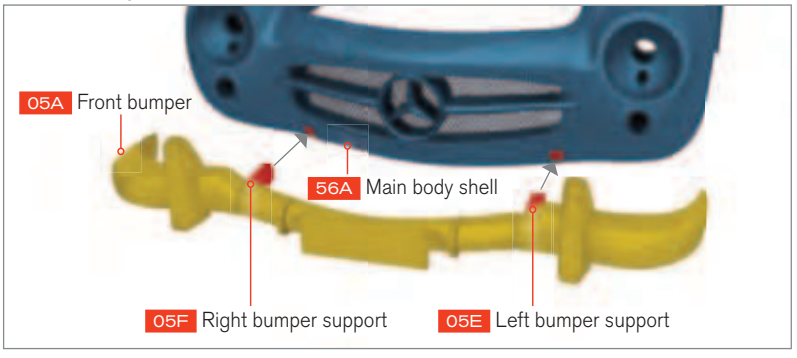
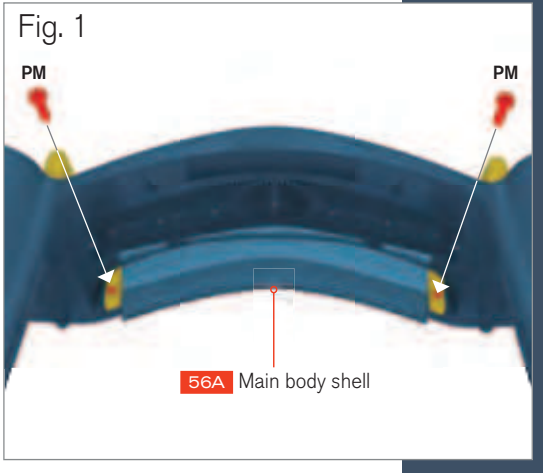
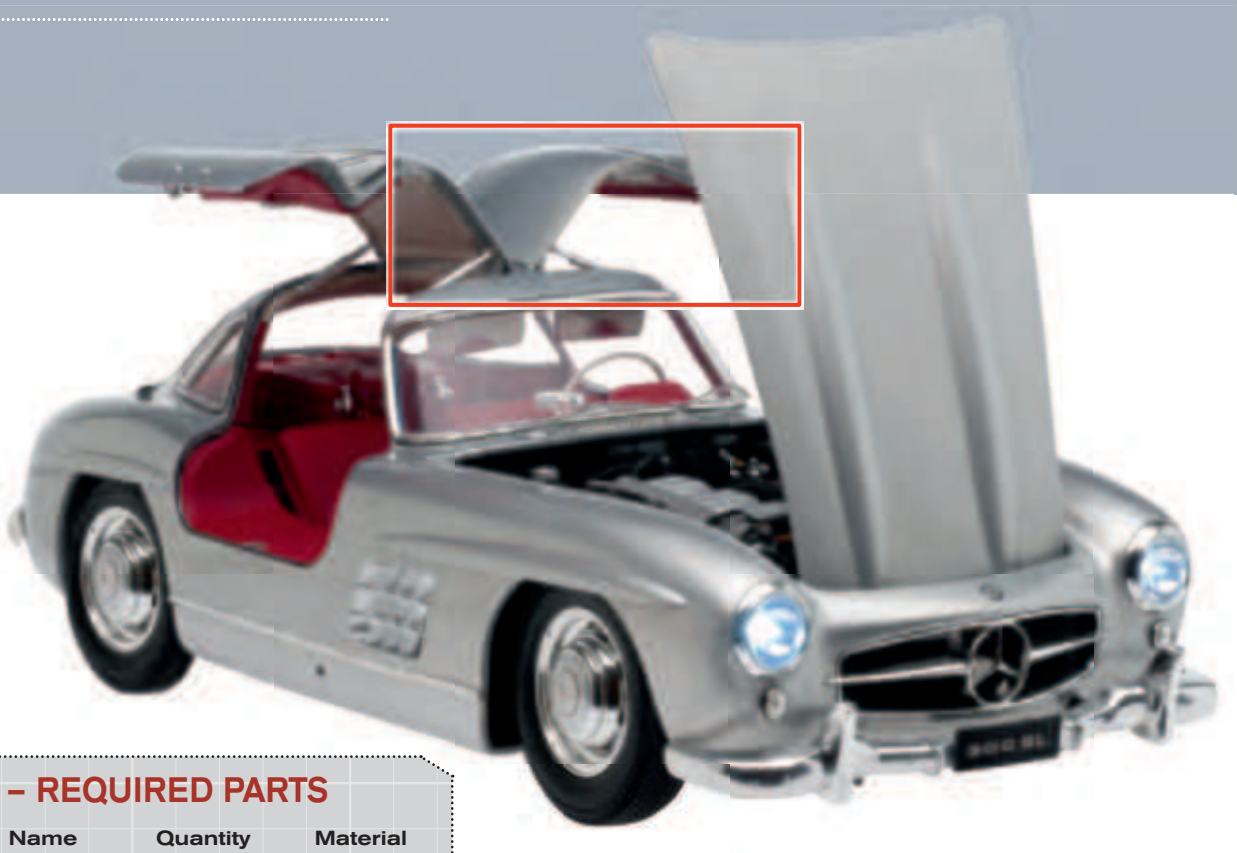


Fig. 1



Work on a soft cloth to avoid scratching the paintwork on the roof and main body shell, and wear latex gloves to avoid getting fingerprints on the windows.

With this issue you receive the left door, with a pre-fitted handle and lock.



PHASE 57 – REQUIRED PARTS

Code	Name	Quantity	Material
57A	Left door	1	Zinc and ABS

In phase 58 you will fit the left door headliner and window.

Fit the left door headliner and the left window, with its pre-fitted quarter light complete with hinge and handle.

PHASE 58 – REQUIRED PARTS

Code	Name	Quantity	Material
58A	Left door headliner	1	ABS
58B	Left window	1	SAN and ABS
CM	Screws 0.07 x 0.15in (2 x 4mm)	2+1*	Iron

* Replacement screws included

01 FITTING THE LEFT DOOR HEADLINER

Fit the left door headliner 58A to the inside of the left door 57A, ensuring that the two holes at the bottom of the panel fit over the two screw holes in the door. Fix the headliner in place with two **CM** screws.

02 FITTING THE WINDOW

Fit the two tabs on the top edge of the left window 58B into the corresponding cutouts in the frame of the left door 57A. Then clip the bottom tabs of the window firmly into the cutouts in the lower part of the frame.

IMPORTANT: Press against the edge of the main window frame and not against the quarter light window, which is fragile.

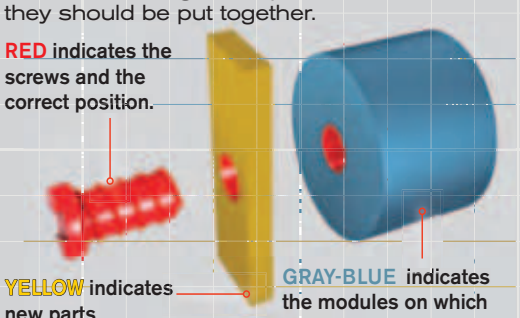
Work on a soft cloth to avoid scratching the paintwork on the roof and main body shell, and wear latex gloves to avoid getting fingerprints on the windows.

Fit the left door inner panel, with its pre-fitted window lock, grab handle, and door locking mechanism.

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.

PHASE 59 – REQUIRED PARTS

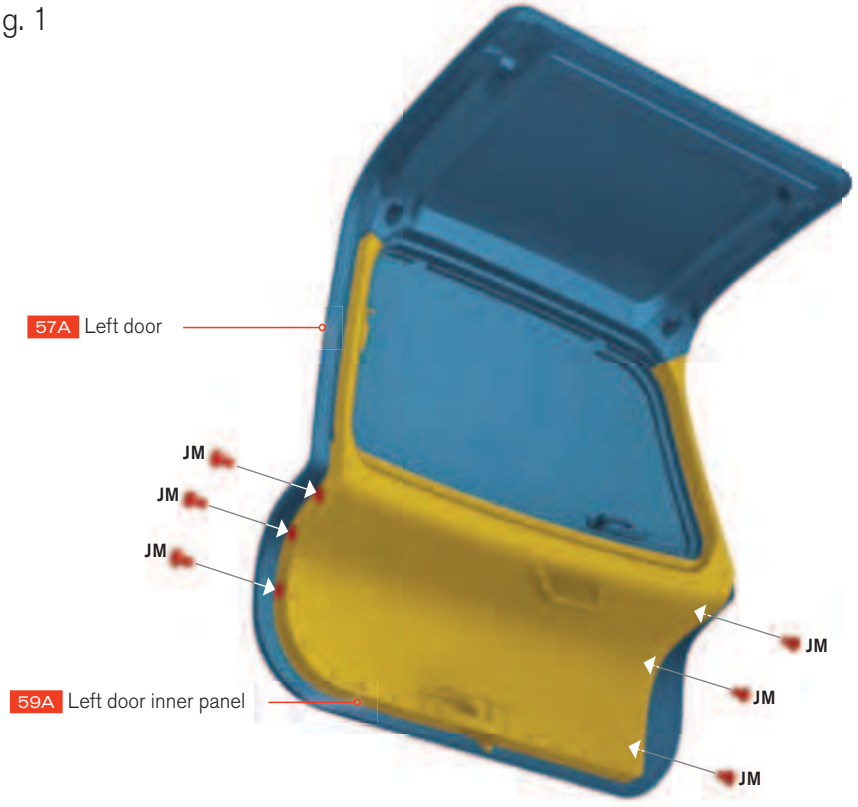
Code	Name	Quantity	Material
59A	Left door inner panel	1	ABS
JM	Screws 0.06 x 0.12in (1.5 x 3mm)	6 + 2*	Iron

* Replacement screws included

01 FITTING THE LEFT DOOR INNER PANEL

Fit the left door inner panel 59A to the inside of the left door 57A. Ensure that the two tabs at the top of the inner panel fit into the slots on the bottom corners of the left door headliner 58A. Fix with three **JM** screws through the front edge and with three **JM** screws through the rear edge of the inner panel (figure 1).

Fig. 1



Work on a soft cloth to avoid scratching the paintwork.

With this issue you receive the right door, with its pre-fitted handle and lock.

PHASE 60 – REQUIRED PARTS

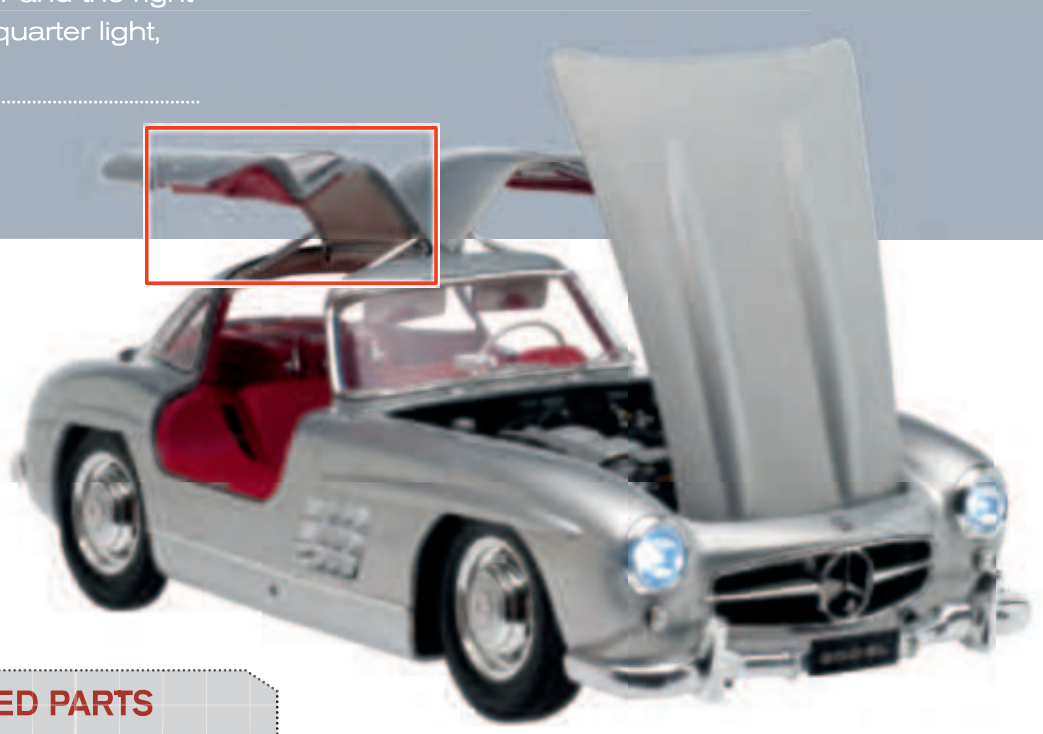
Code	Name	Quantity	Material
60A	Right door	1	Zinc and ABS

60A

In phases 61 and 62 you will fit the right door inner panel, headliner, and window.

PHASE 61: **THE RIGHT DOOR HEADLINER AND WINDOW**

Fit the right door headliner and the right window with its pre-fitted quarter light, hinge, and handle.



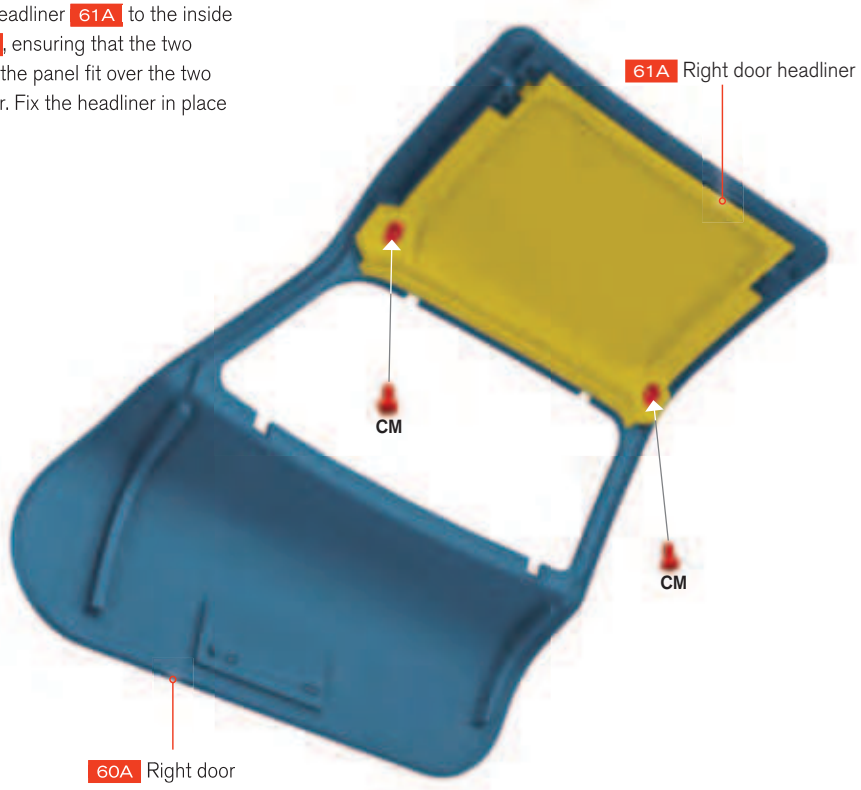
PHASE 61 – REQUIRED PARTS

Code	Name	Quantity	Material
61A	Right door headliner	1	ABS
61B	Right window	1	SAN and ABS
CM	Screws 0.07 x 0.15in (2 x 4mm)	2+1*	Iron

* Replacement screws included

01 FITTING THE RIGHT DOOR HEADLINER

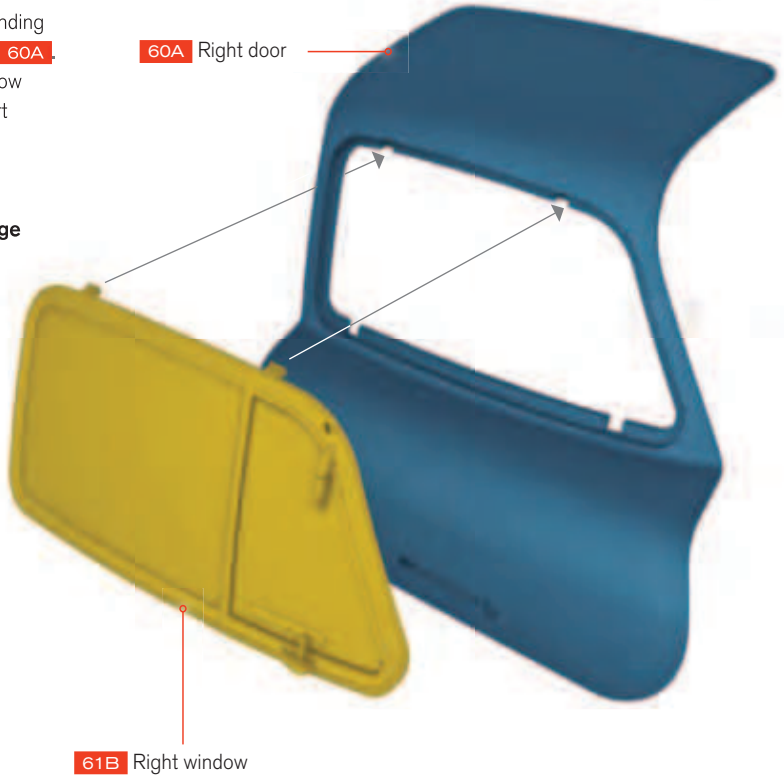
Fit the right door headliner 61A to the inside of the right door 60A, ensuring that the two holes at the bottom of the panel fit over the two screw holes in the door. Fix the headliner in place with two **CM** screws.



02 FITTING THE WINDOW

Fit the two tabs on the top edge of the right window 61B into the corresponding cutouts in the frame of the right door 60A. Then clip the bottom tabs of the window firmly into the cutouts in the lower part of the frame.

IMPORTANT: Press against the edge of the main window frame and not against the quarter light window, which is fragile.



Work on a soft cloth to avoid scratching the paintwork on the roof and main body shell, and wear latex gloves to avoid getting fingerprints on the windows.

Fit the right door inner panel with its pre-fitted window lock, grab handle, and door locking mechanism.

PHASE 62 – REQUIRED PARTS

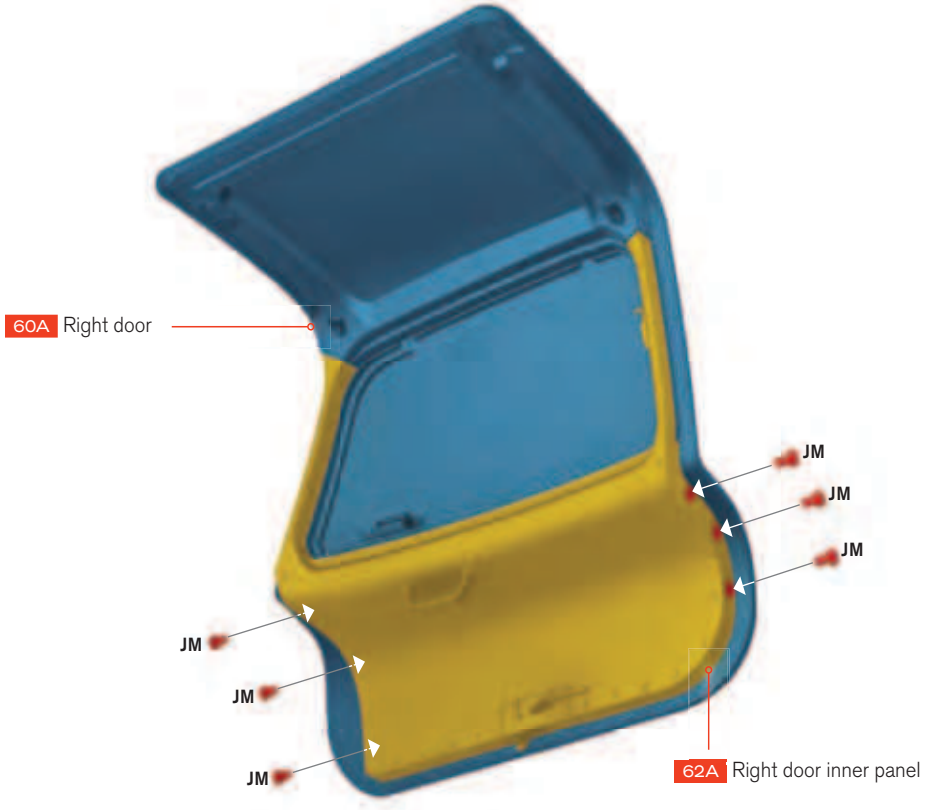
Code	Name	Quantity	Material
62A	Right door inner panel	1	ABS
JM	Screws 0.06 x 0.12in (1.5 x 3mm)	6+2*	Iron

* Replacement screws included

01 FITTING THE RIGHT DOOR INNER PANEL

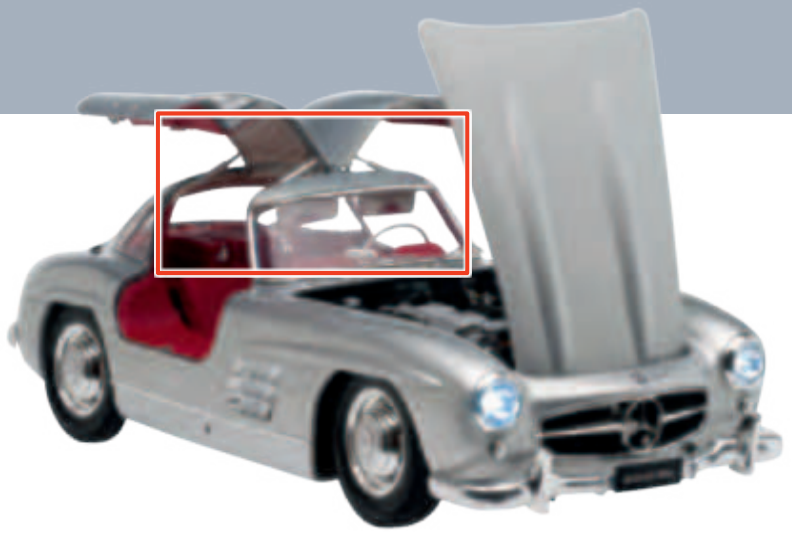
Fit the right door inner panel 62A to the inside of the right door 60A. Ensure that the two tabs at the top of the inner panel fit into the slots on the bottom corners of the right door headliner 61A. Fix with three **JM** screws through the front edge and with three **JM** screws through the rear edge of the inner panel (figure 1).

Fig. 1



Work on a soft cloth to avoid scratching the paintwork.

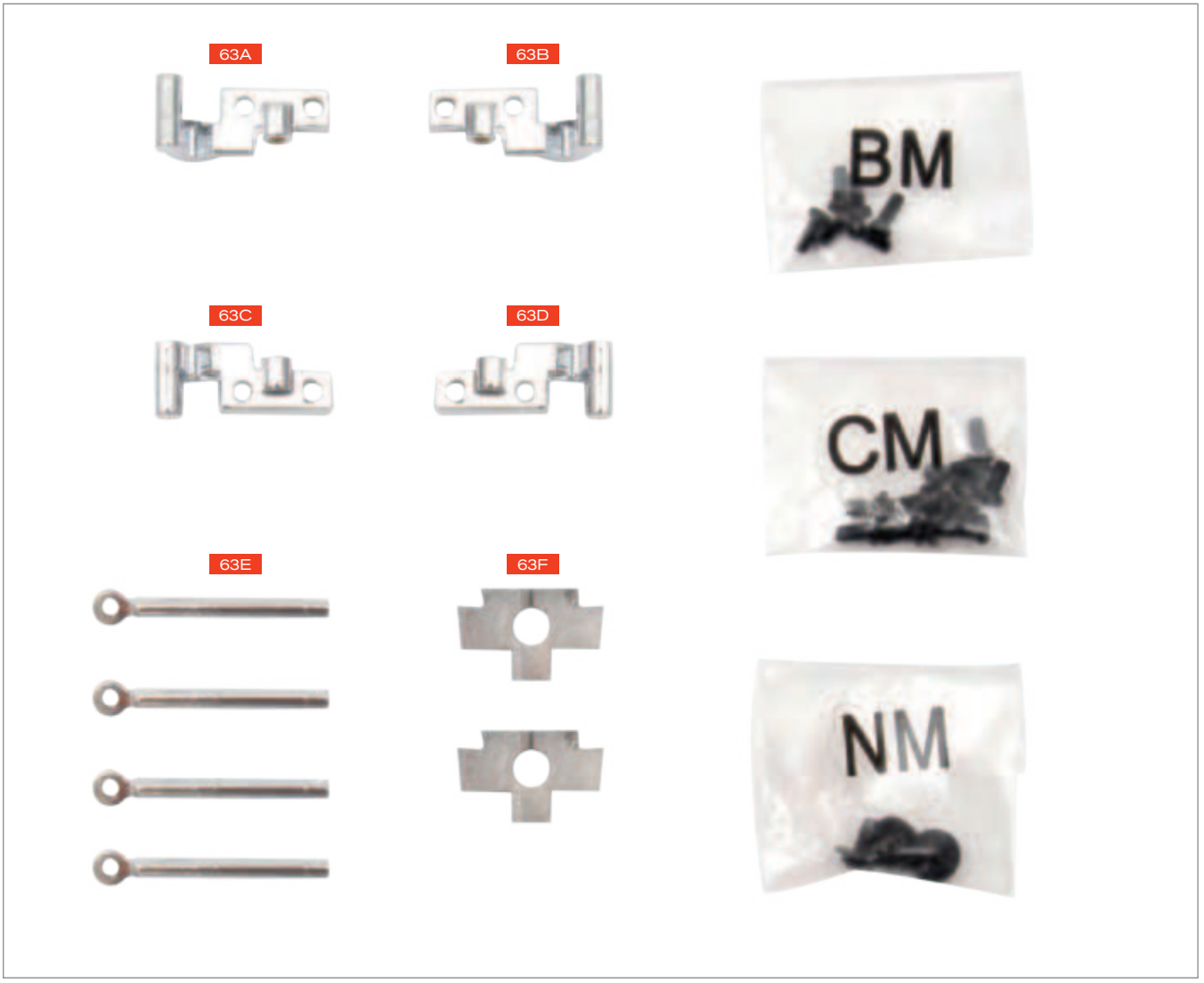
Fit the hinge cylinder pistons, then fit the left and right doors to the roof with hinges and cover plates.



PHASE 63: REQUIRED PARTS

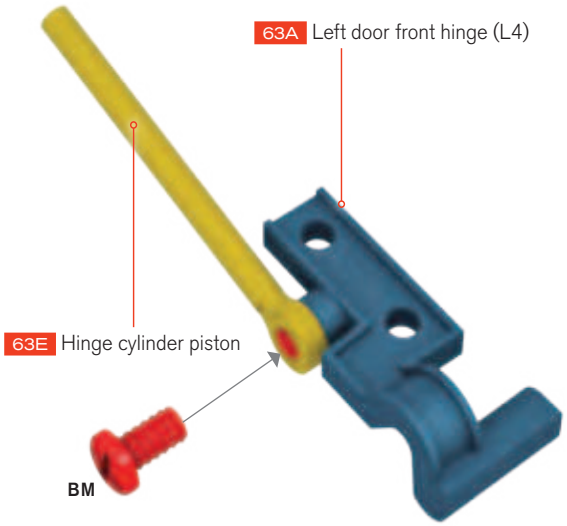
Code	Name	Quantity	Material
63A	Left door front hinge (L4)	1	Zinc
63B	Left door rear hinge (L1)	1	Zinc
63C	Right door front hinge (R3)	1	Zinc
63D	Right door rear hinge (R2)	1	Zinc
63E	Hinge cylinder piston	4	Zinc
63F	Hinge cover plate	2	Iron
BM	Screws 0.06 x 0.15in (1.7 x 4mm)	4 + 2*	Iron
CM	Screws 0.07 x 0.15in (2 x 4mm)	8 + 3*	Iron
NM	Screws 0.09 x 0.15 x 0.23in (2.3 x 3 x 6mm)	2 + 1*	Iron

* Replacement screws included



01 FITTING THE HINGE CYLINDER PISTONS

Align the screw eye at the end of one of the hinge cylinder pistons 63E with the socket on the side of the left door front hinge (marked L4) 63A and fix with a **BM** screw. Repeat for the remaining three hinge cylinder pistons 63E, fixing each with a **BM** screw into the left door rear hinge (L1) 63B, right door front hinge (R3) 63C, and right door rear hinge (R2) 63D.



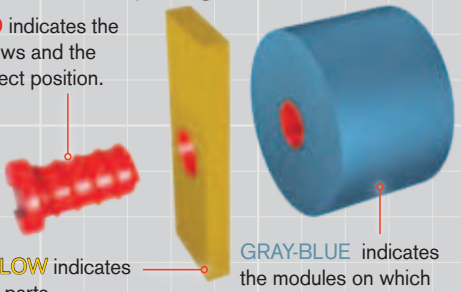
COLOR CODING

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.



02 FITTING THE LEFT DOOR HINGES

Fit the left door 57A into the door frame of the main body shell 56A and roof 52A, from the outside. Turn the assembly carefully upside down. Fit the left door front hinge (L4) 63A to the two screw posts at the top front of the door, ensuring that the hinge cylinder piston 63E is on the outside edge of the door. Fix in place with two **CM** screws (figure 1). Fit the left door rear hinge (L1) 63B to the two screw posts at the top rear of the door and fix with two **CM** screws (figure 2).

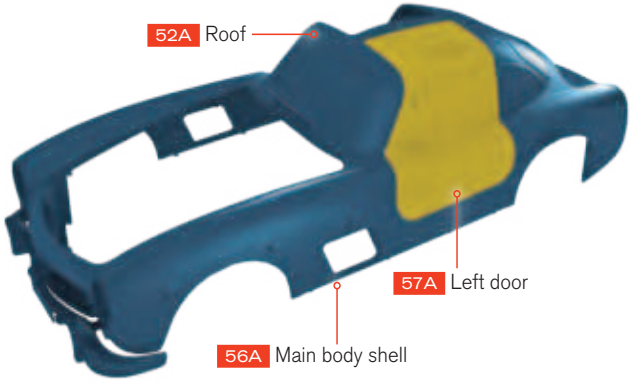


Fig. 1

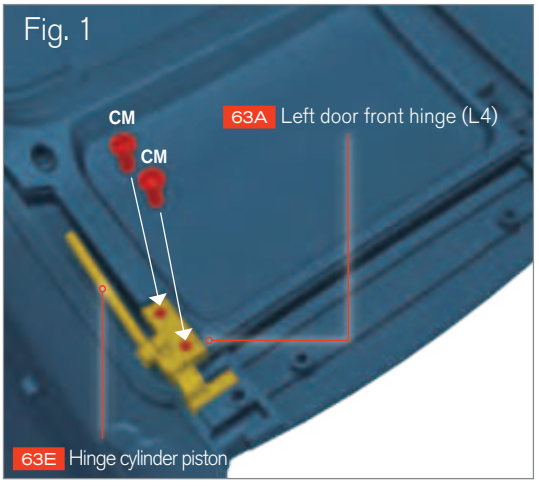
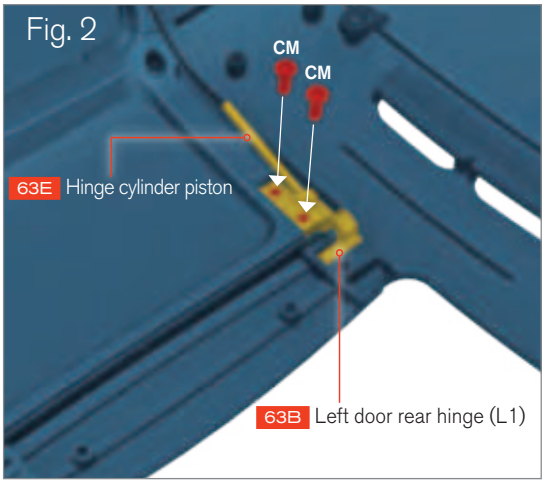


Fig. 2



Work on a soft cloth to avoid scratching the paintwork.

03 FITTING THE RIGHT DOOR HINGES

Fit the right door 60A into the door frame of the main body shell 56A and roof 52A from the outside. Fit the right door front hinge (R3) 63C to the two screw posts at the top front of the door, ensuring that the hinge cylinder piston 63E is on the outside edge of the door. Fix with two **CM** screws (figure 1). Fit the right door rear hinge (R2) 63D to the two screw posts at the top rear of the door and fix with two **CM** screws (figure 2).

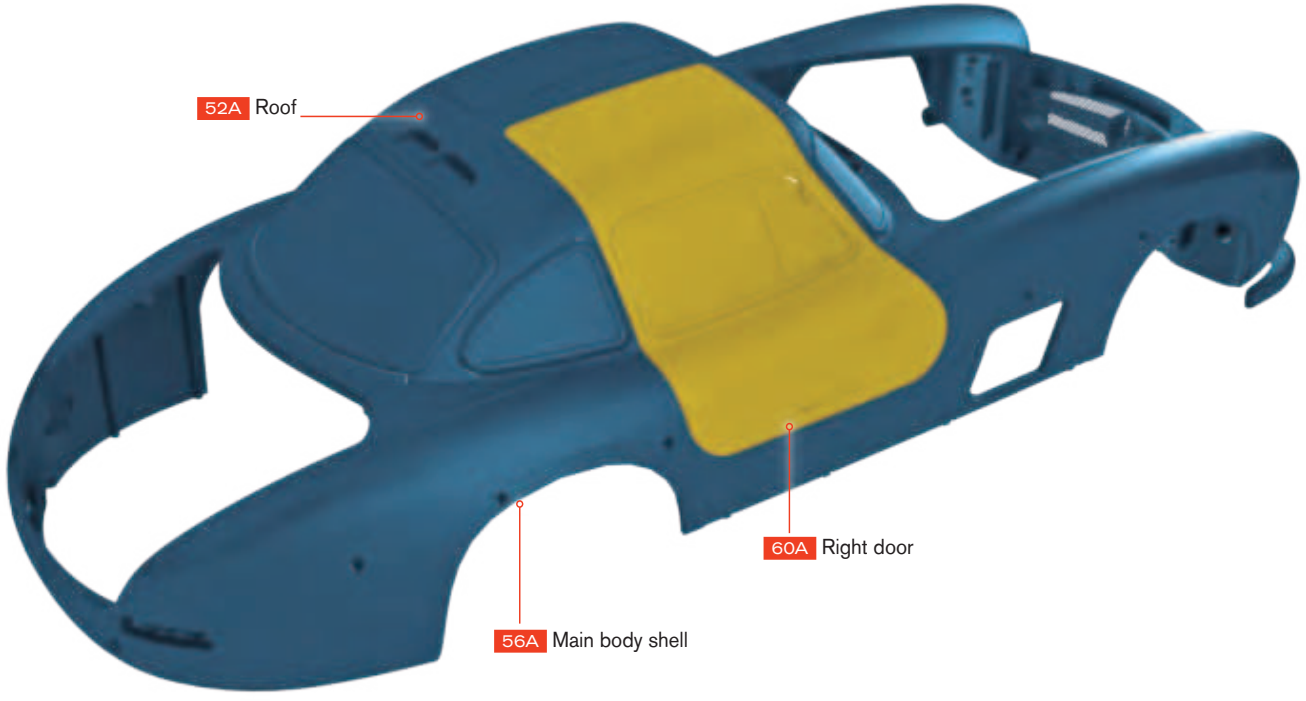
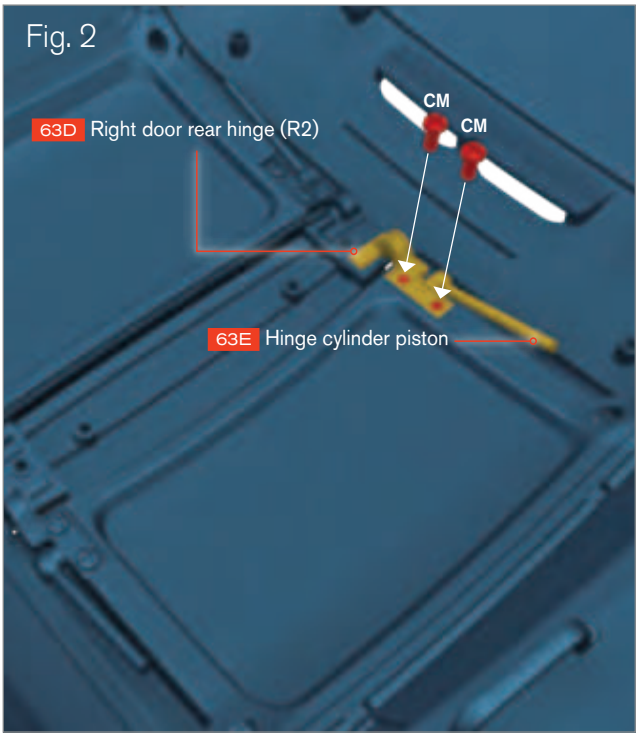


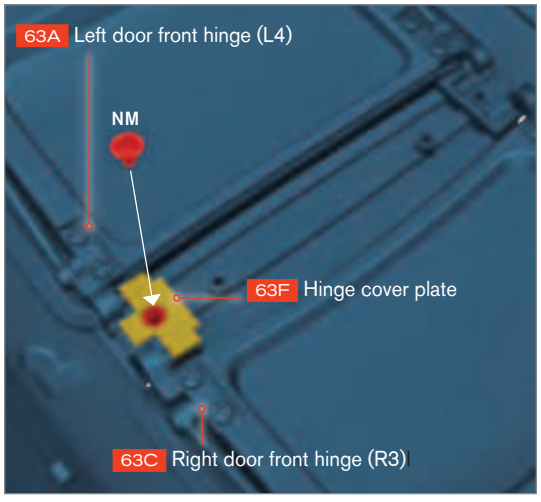
Fig. 1

Fig. 2



04 FITTING THE HINGE COVER PLATES

Fit one of the hinge cover plates 63F over the screw post of the left door front hinge (L4) 63A and the right door front hinge (R3) 63C, positioned as shown. Fix very firmly with an **NM** screw to ensure that the plate is tight against the hinge screw post. Fit the second hinge cover plate 63F over the screw post of the left door rear hinge (L1) 63B and the right door rear hinge (R2) 63D, and fix very firmly with an **NM** screw (figure 1). Turn the assembly upright and gently check that the doors open upwards, with the hinge plates providing just enough resistance to hold the weight of the door when open. If necessary, tighten the **NM** screws holding the hinge plates in place (figure 2).



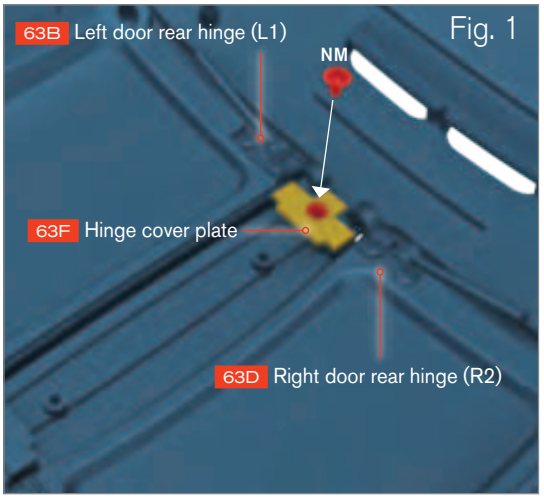
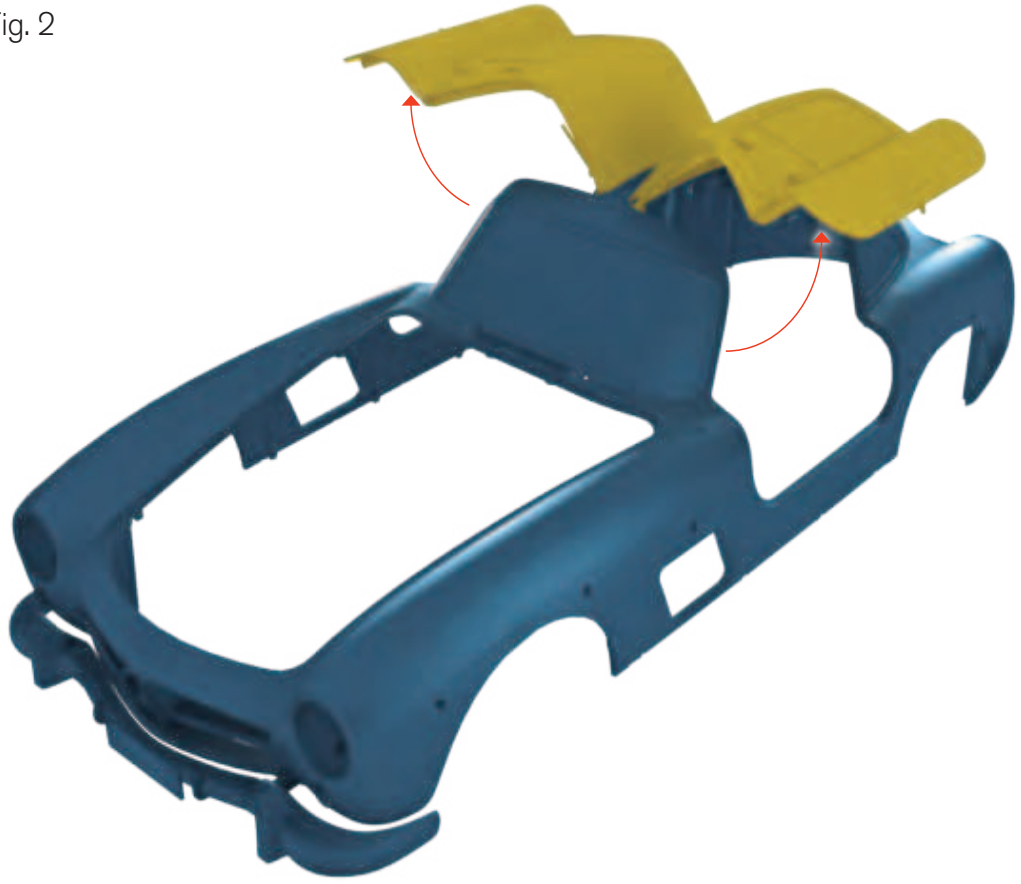
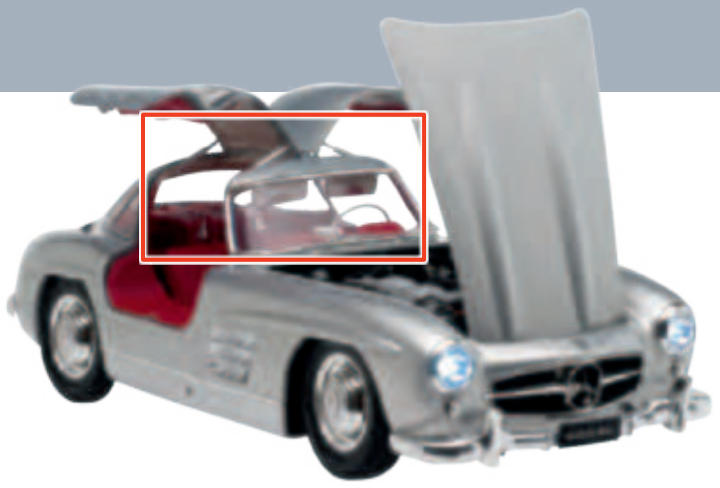


Fig. 1

Fig. 2



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.

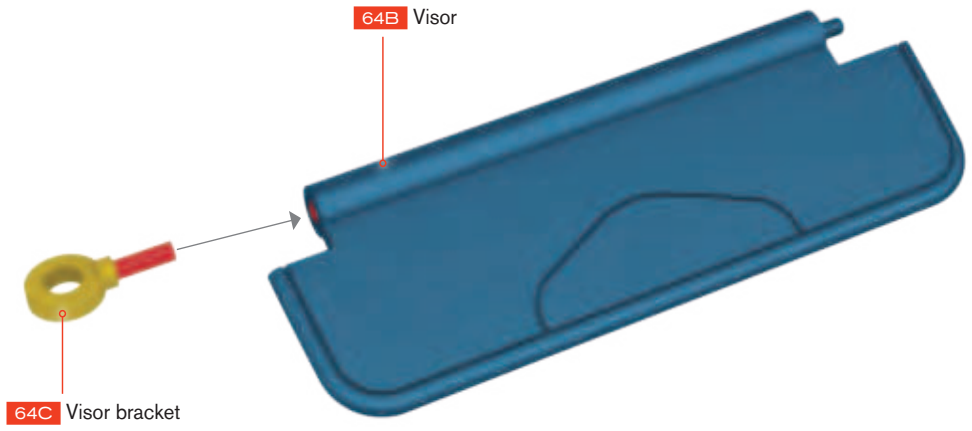


PHASE 64: REQUIRED PARTS

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 0.06 x 0.12in (1.5 x 3mm)	1 + 1*	Iron
EP	Screws 0.06 x 0.15in (1.7 x 4mm)	4 + 2*	Iron
QP	Screws 0.07 x 0.12in (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).

Fig. 1

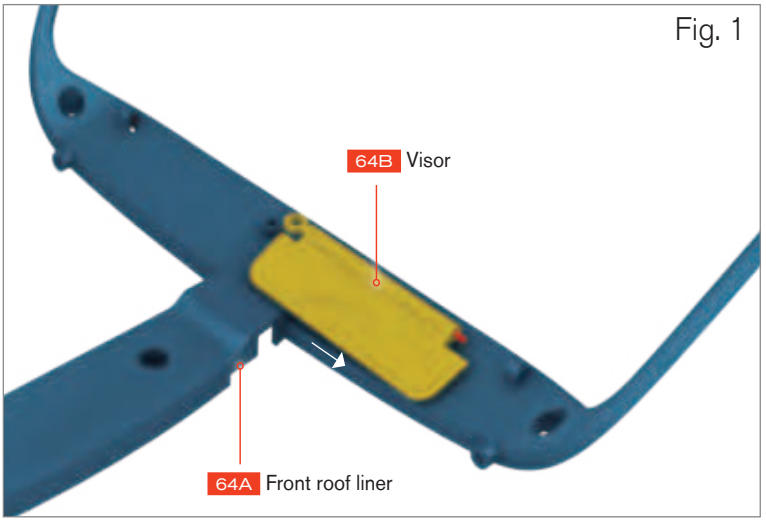


Fig. 2

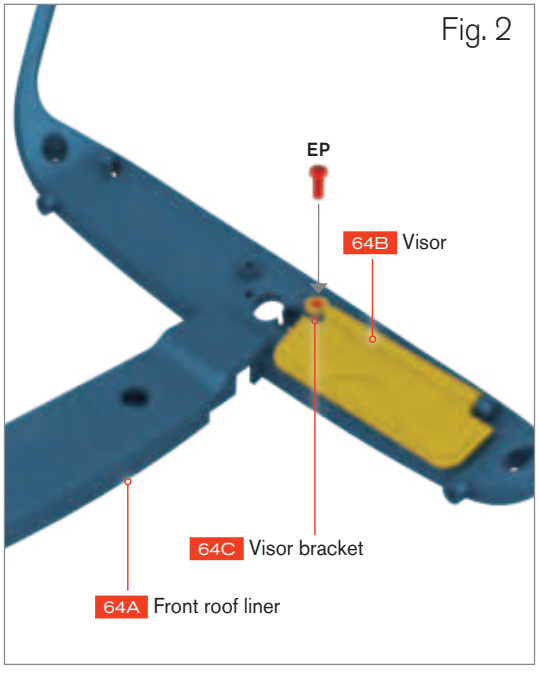
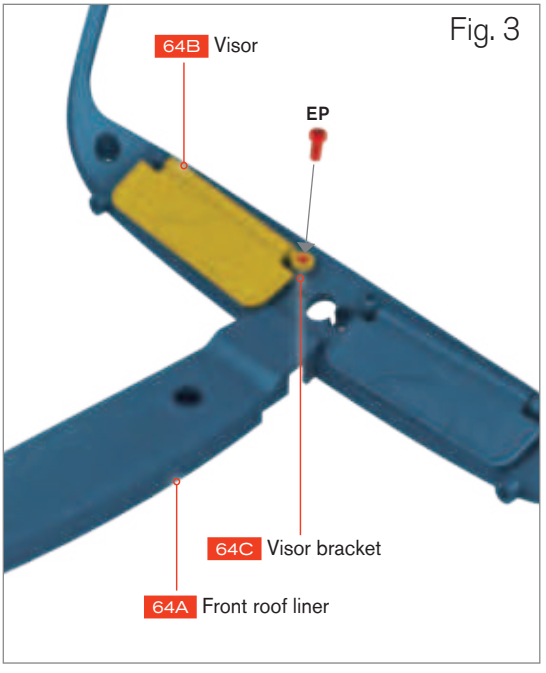


Fig. 3



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

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).

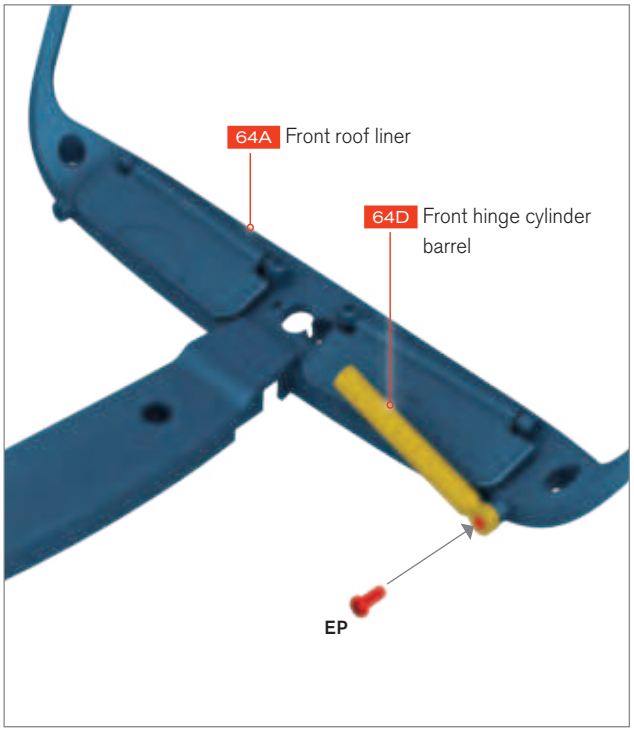
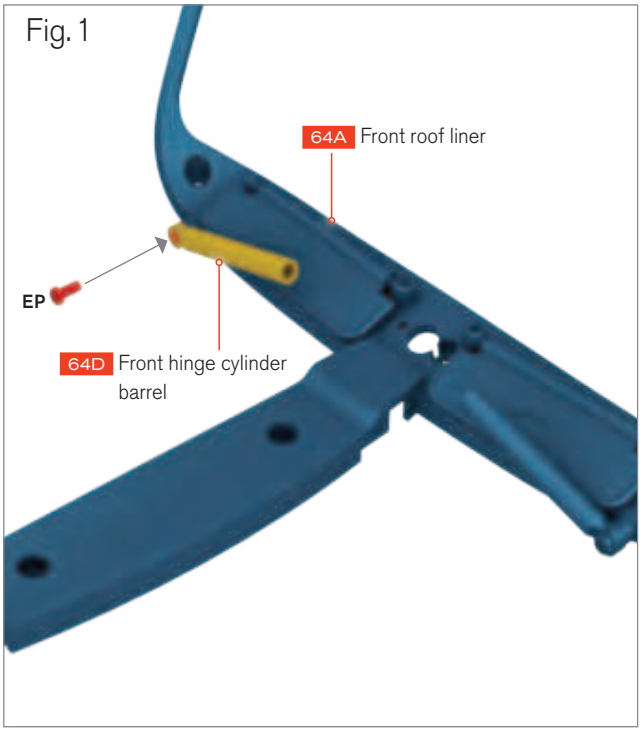
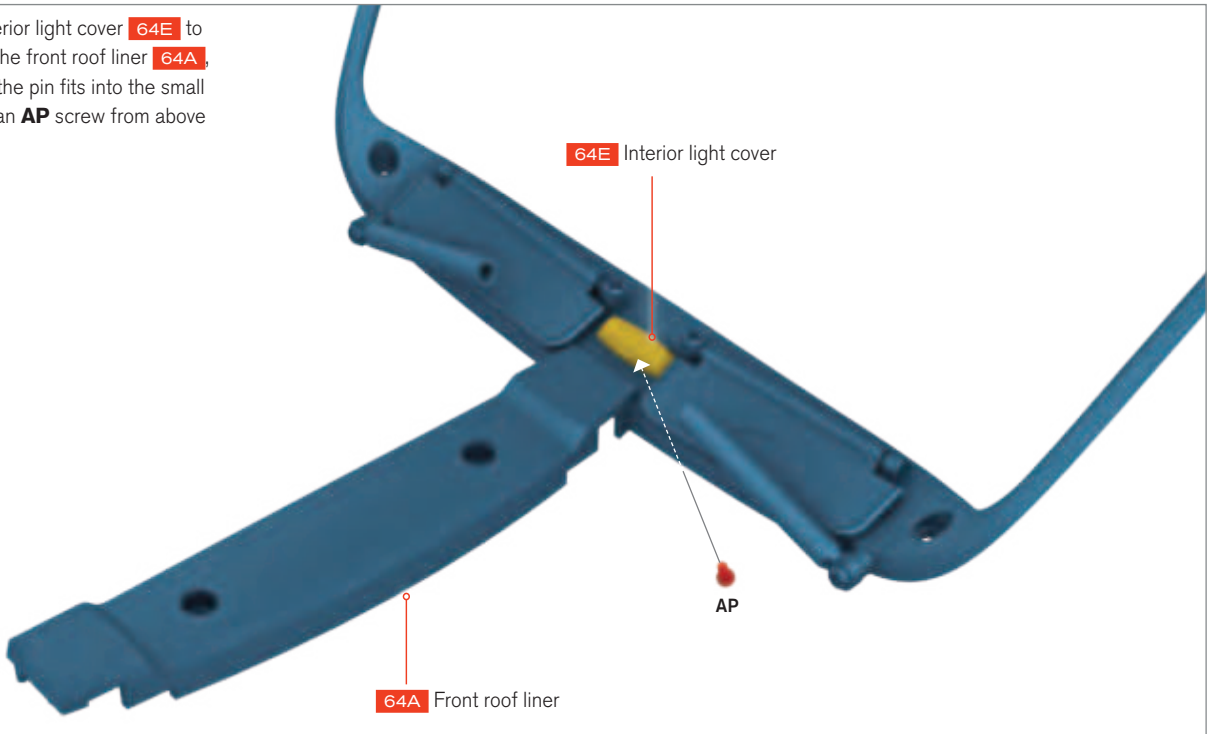


Fig. 1



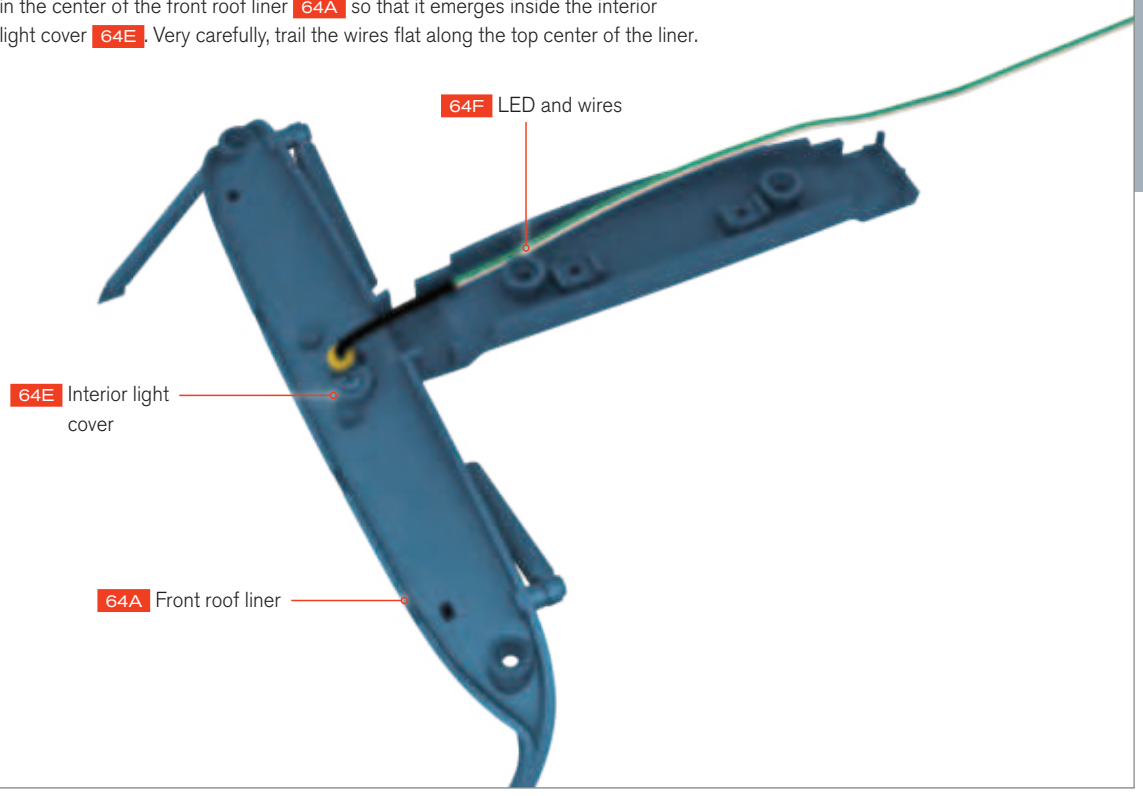
03 FITTING THE INTERIOR LIGHT COVER

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.



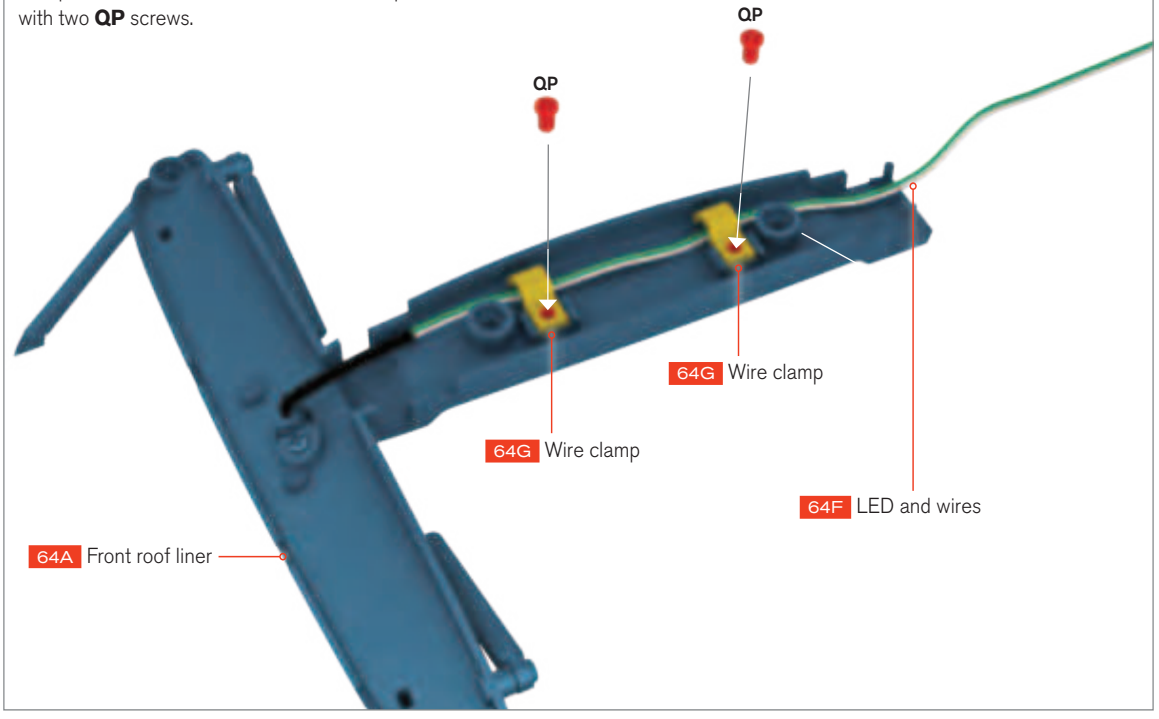
04 FITTING THE INTERIOR LIGHT LED

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.



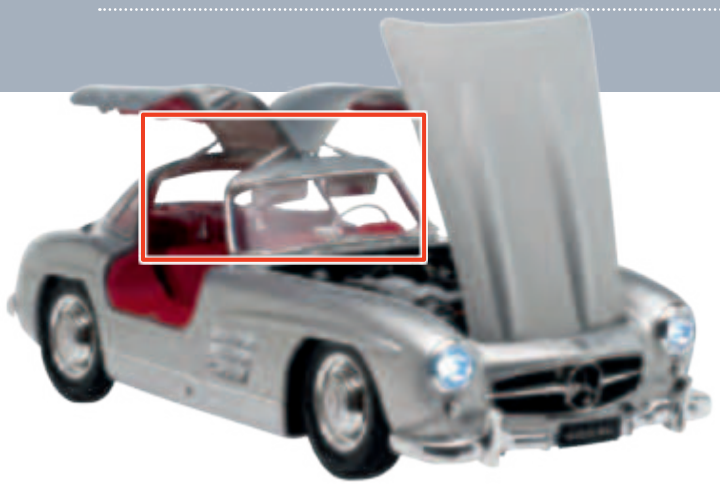
05 FITTING THE WIRE CLAMPS

Fit the two wire clamps 64G 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.



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

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.



PHASE 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 0.07 x 0.15in (2 x 4mm)	6 + 2*	Iron
EP	Screws 0.06 x 0.15in (1.7 x 4mm)	2 + 1*	Iron
MM	Screws 0.09 x 0.15in (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).

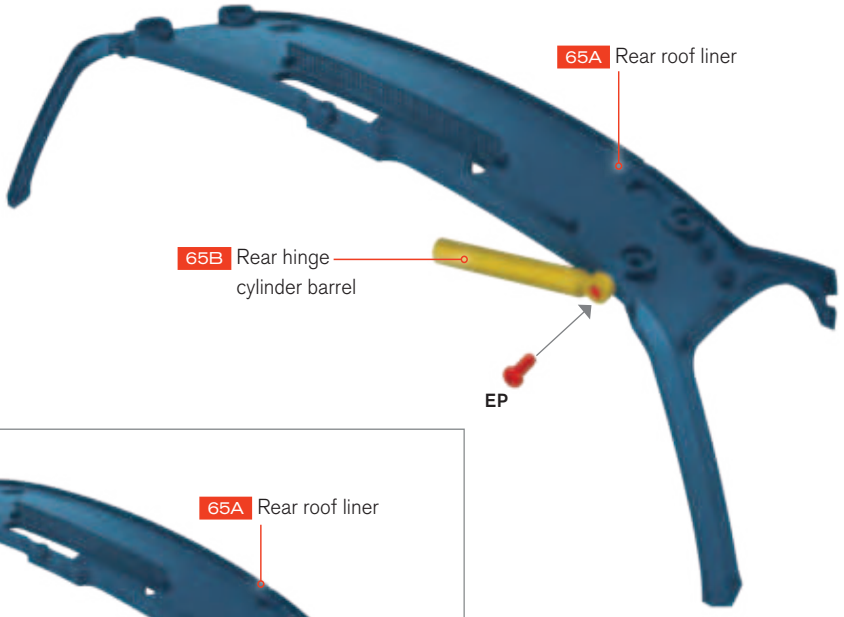
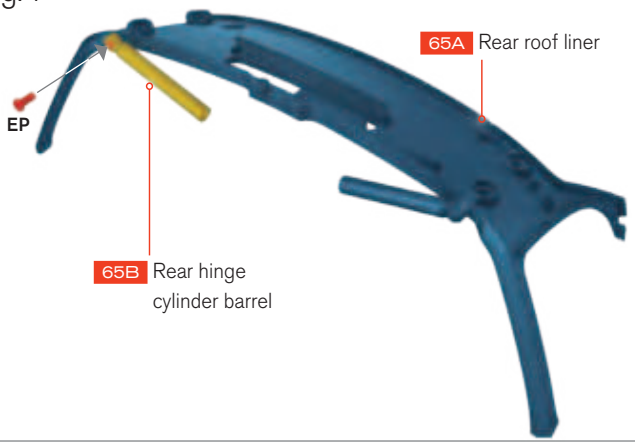
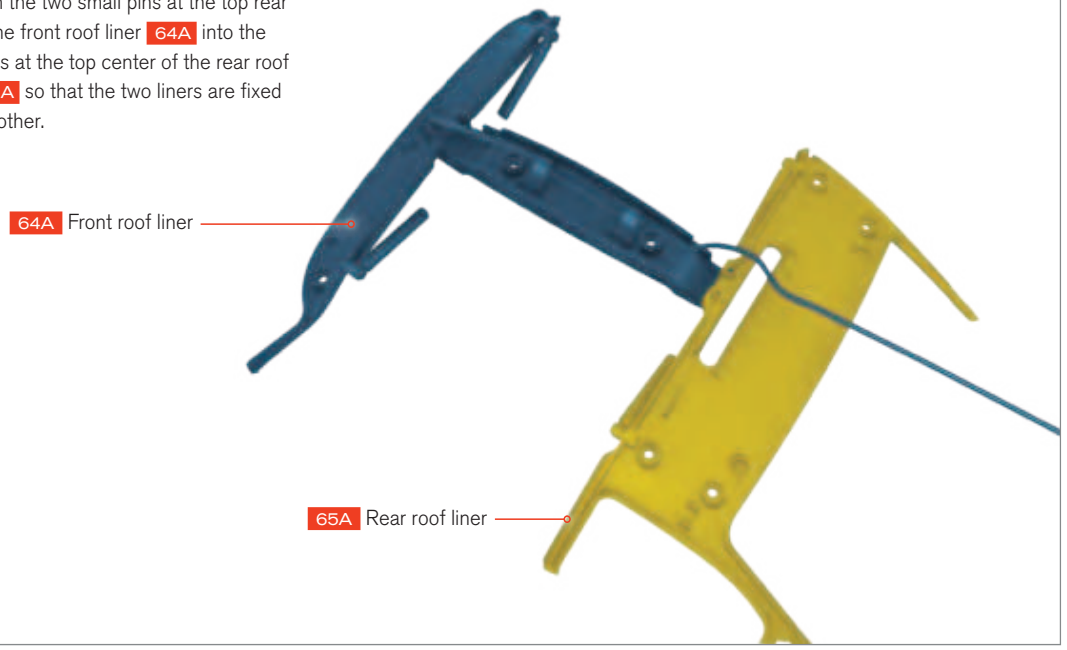


Fig. 1



02 CONNECTING THE FRONT AND REAR ROOF LINERS

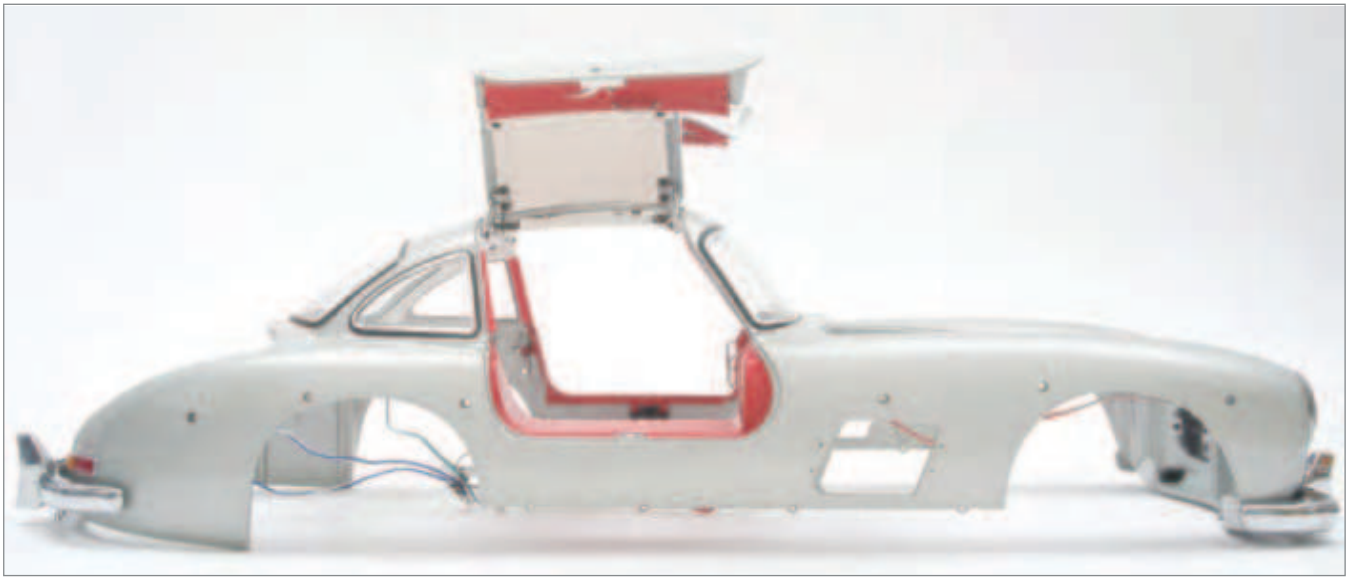
Push the two small pins at the top rear end of the front roof liner 64A into the two holes at the top center of the rear roof liner 65A so that the two liners are fixed to each other.



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

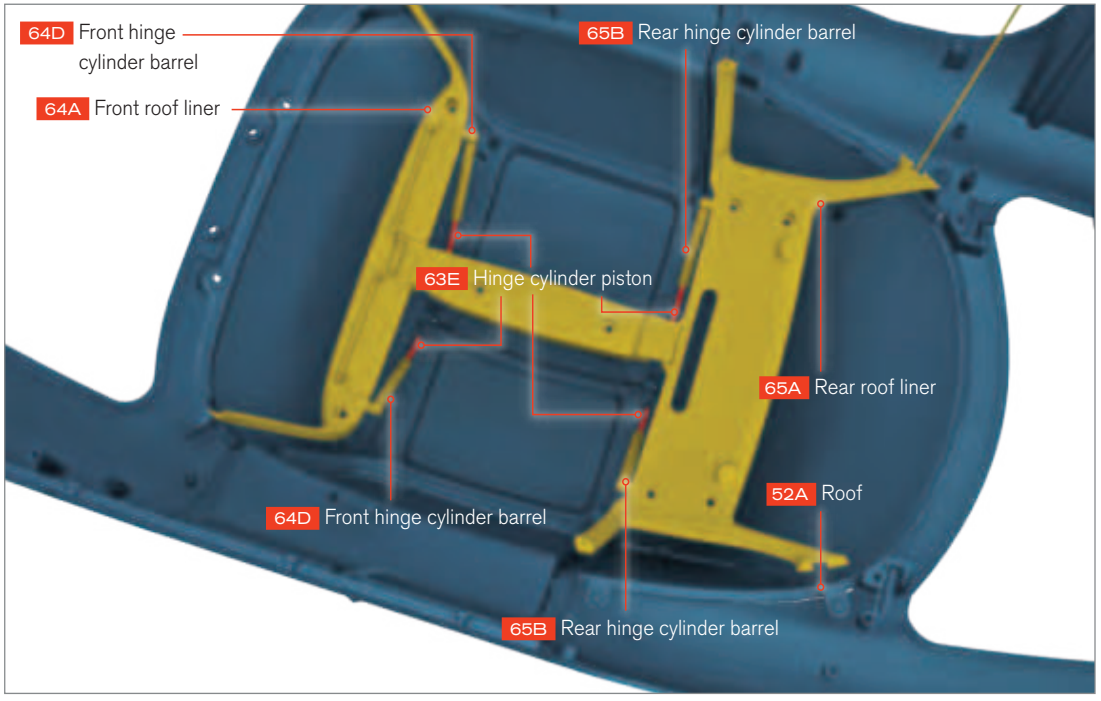
03 FITTING THE WIRE CLAMPS

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 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.



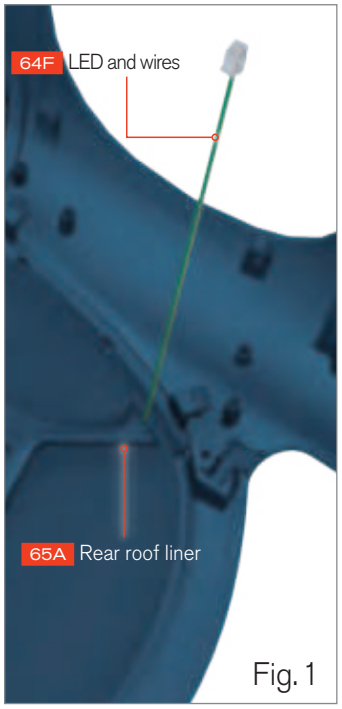


Fig. 1

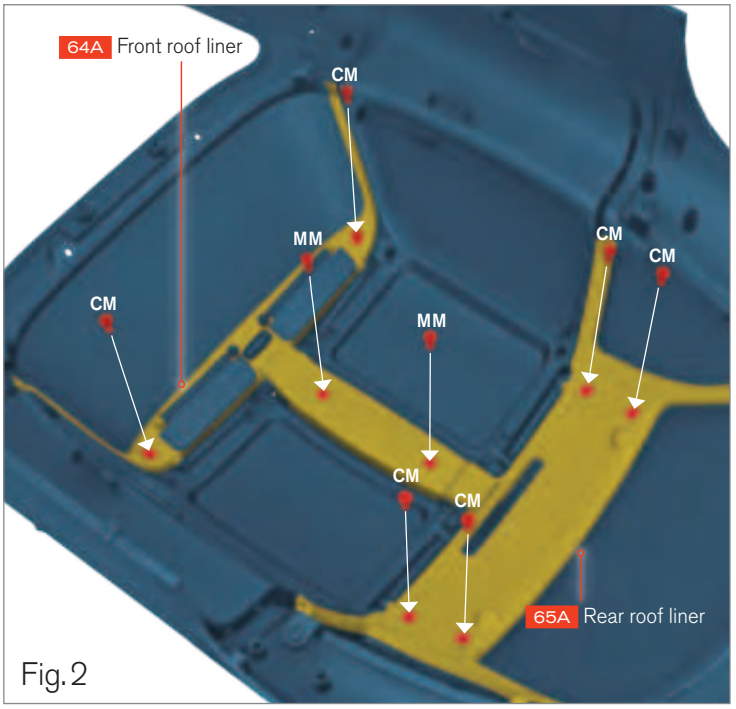


Fig. 2

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.

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.

PHASE 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 0.07 x 0.15in (2 x 4mm)	2 + 1*	Iron
HP	Screws 0.07 x 0.15in (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).

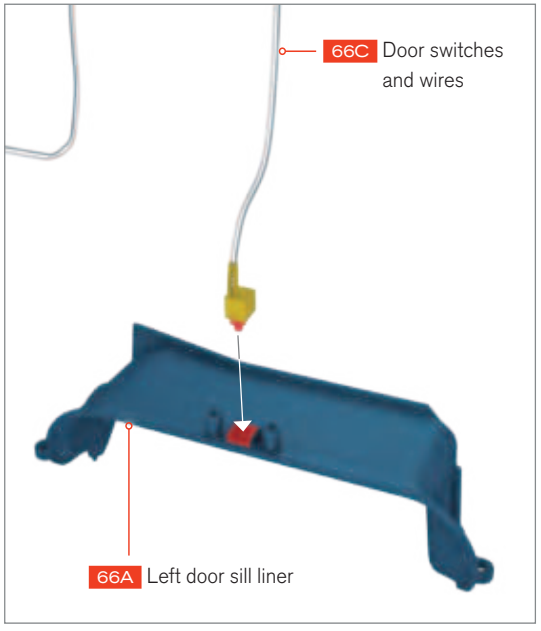
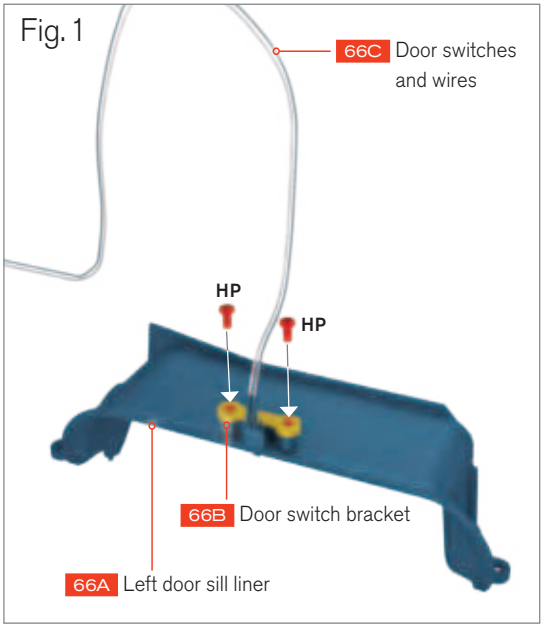


Fig. 1



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

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).

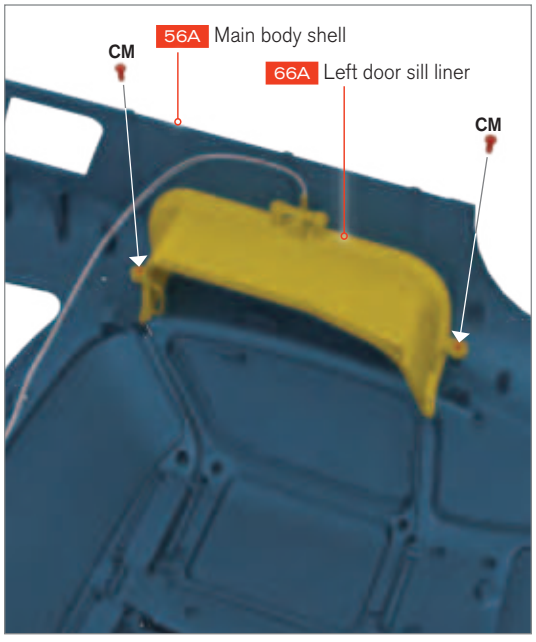
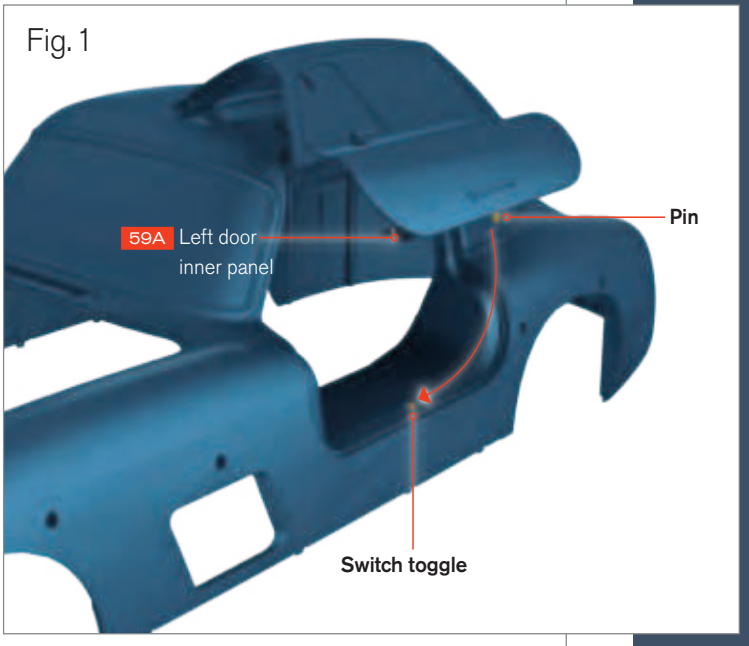


Fig. 1



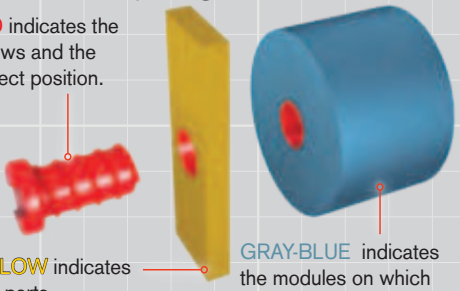
PHASE 67: **THE RIGHT DOOR SILL LINER**

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.

PHASE 67 – REQUIRED PARTS

Code	Name	Quantity	Material
67A	Right door sill liner (with pre-fitted handle and lock base)	1	ABS
67B	Door switch bracket	1	ABS
CM	Screws 0.07 x 0.15in (2 x 4mm)	2 + 1*	Iron
HP	Screws 0.07 x 0.15in (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).

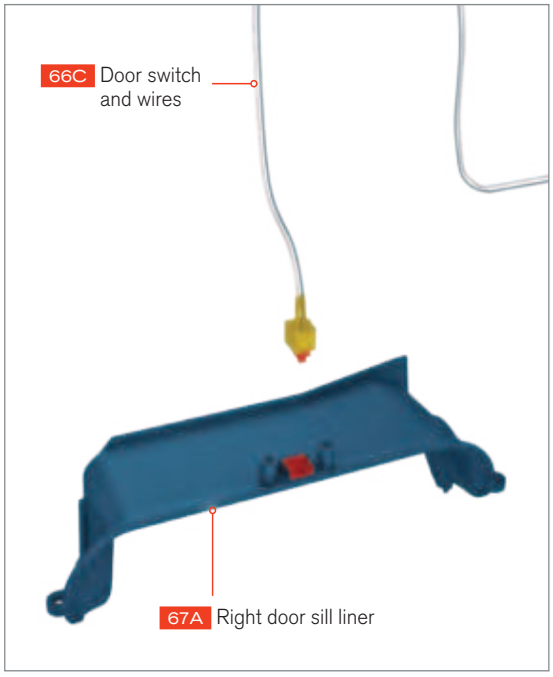
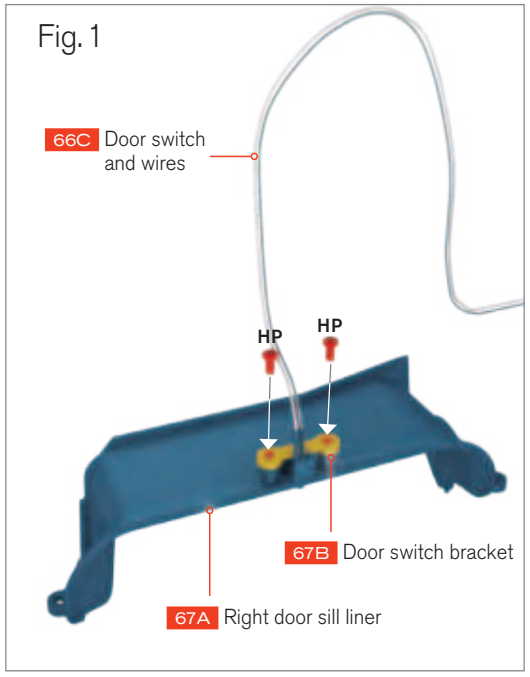


Fig. 1



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).

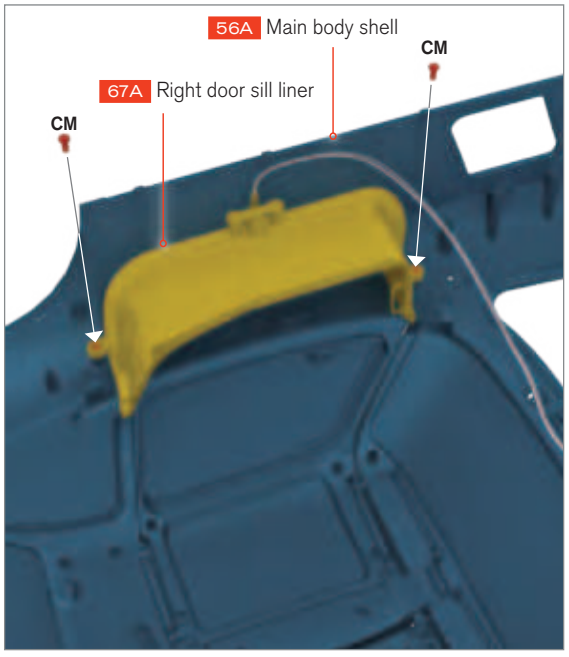
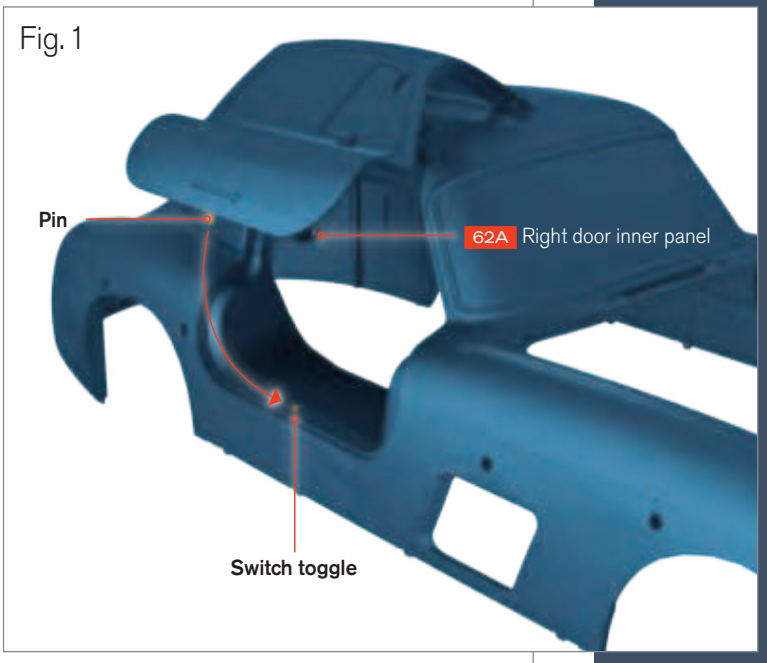


Fig. 1



PHASE 68: **THE REAR BUMPER**

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

PHASE 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 0.07 x 0.19in (2 x 5mm)	2 + 1*	Iron
MM	Screws 0.09 x 0.15in (2.3 x 4mm)	2 + 1*	Iron

* Replacement screws included

01 FITTING THE BUMPER OVERRIDERS

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

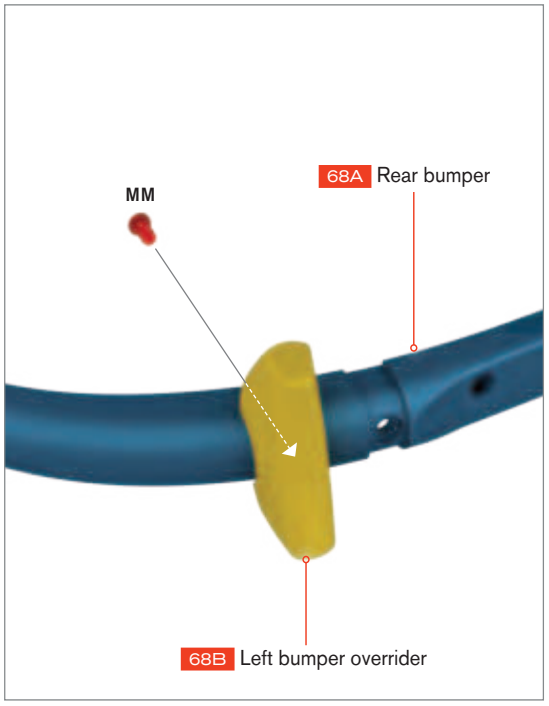
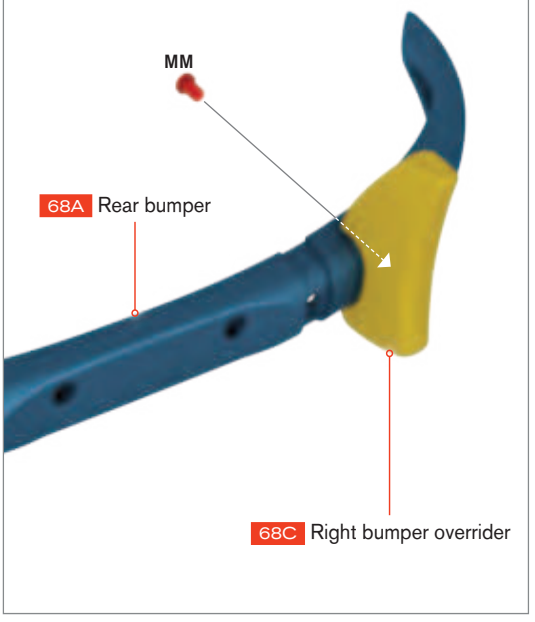


Fig. 1



The left side of the bumper, the left overrider, 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).

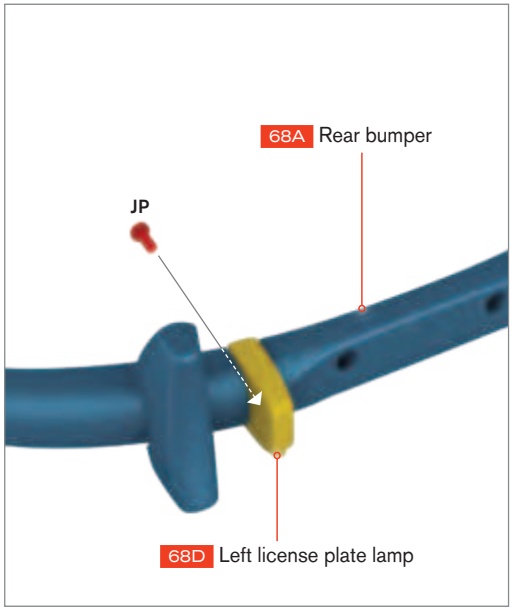
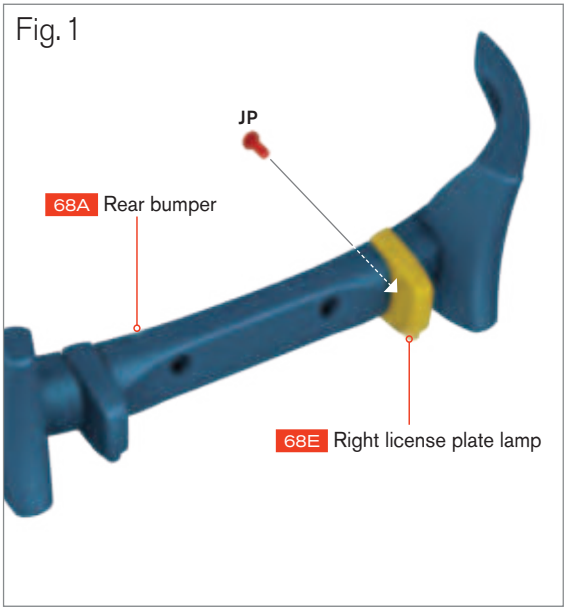


Fig. 1



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.

PHASE 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 0.06 x 0.15in (1.7 x 4mm)	2 + 1*	Iron
JP	Screws 0.07 x 0.19in (2 x 5mm)	4 + 2*	Iron
MM	Screws 0.09 x 0.15in (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).

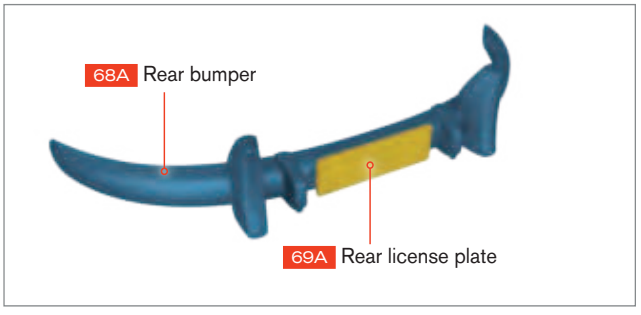
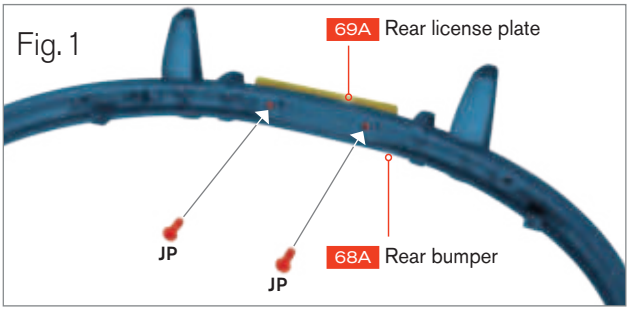
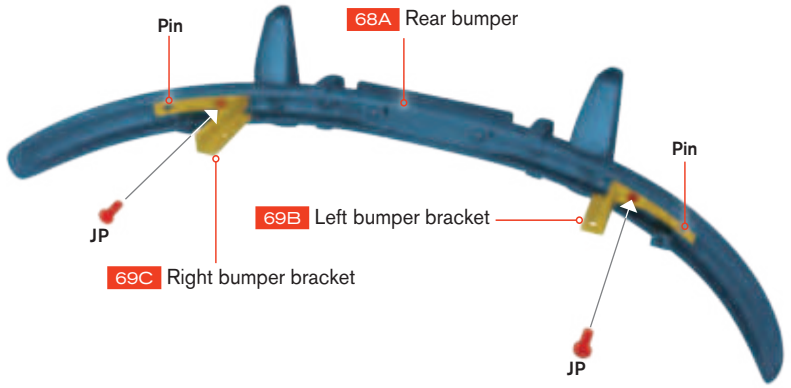


Fig. 1



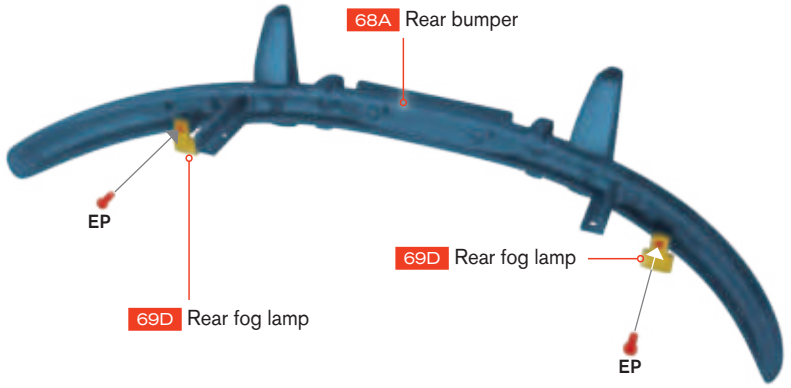
02 FITTING THE BUMPER BRACKETS

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.



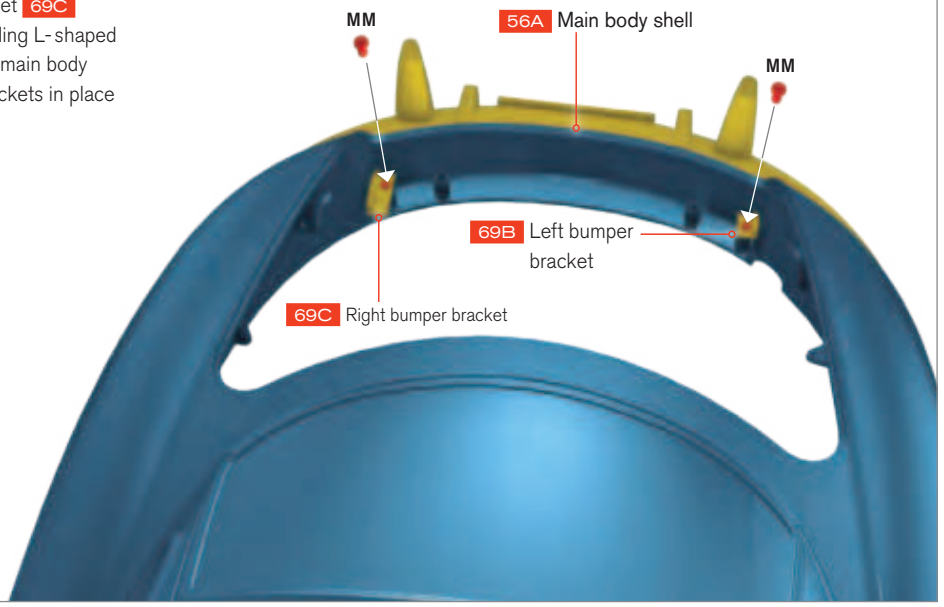
03 FITTING THE REAR FOG LAMPS

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.



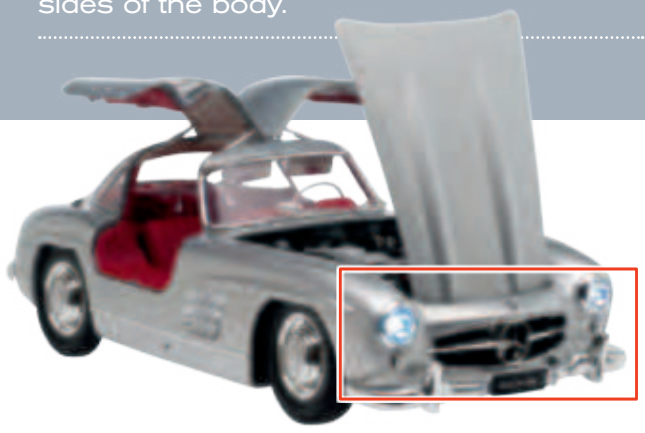
04 FITTING THE REAR BUMPER

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.



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.

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.



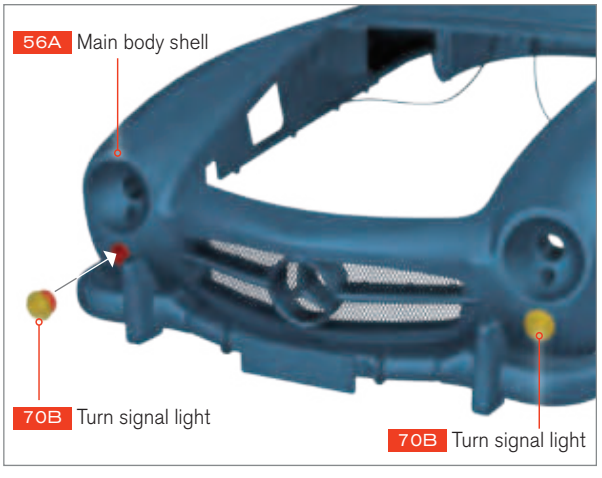
PHASE 70 – REQUIRED PARTS

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 0.07 x 0.15in (2 x 4mm)	2 + 1*	Iron
OP	Screws 0.09 x 0.15 x 0.2in (2.3 x 4 x 6mm)	2 + 1*	Iron

* Replacement screws included

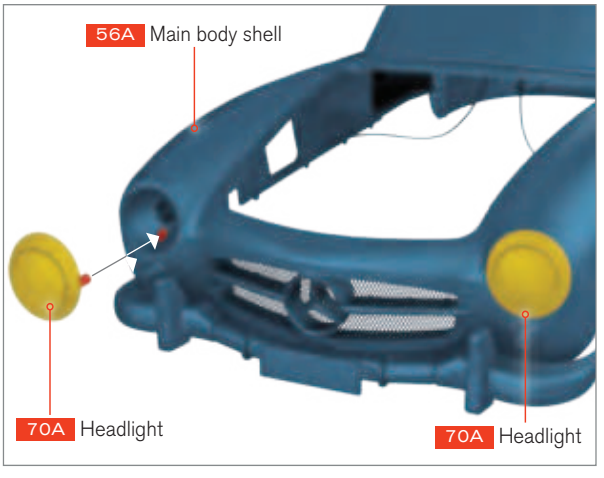
01 FITTING THE TURN SIGNALS

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).

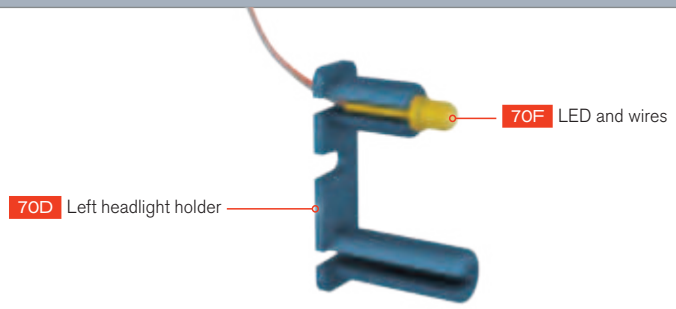


Fig. 1

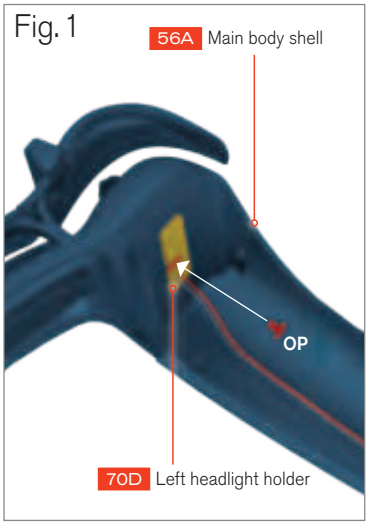
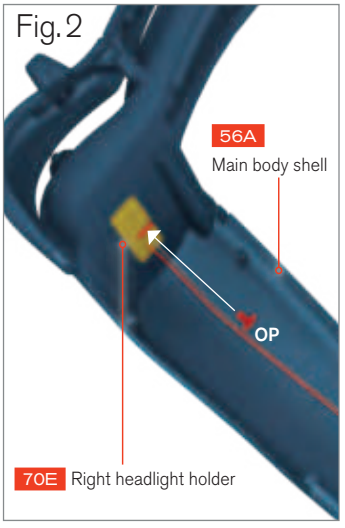


Fig. 2



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).

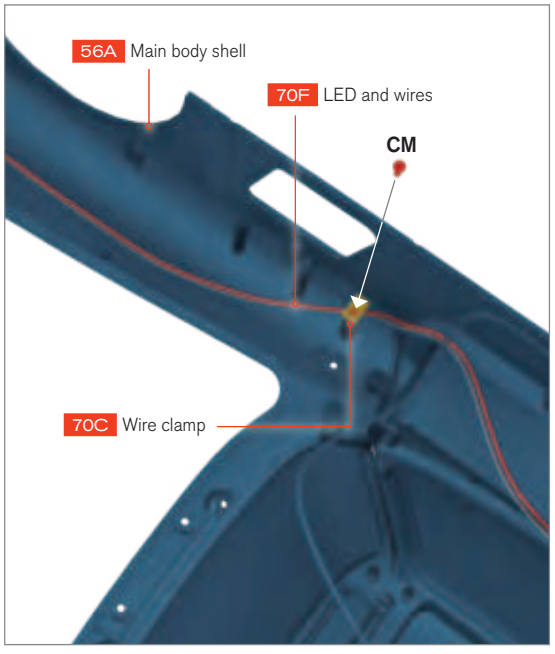
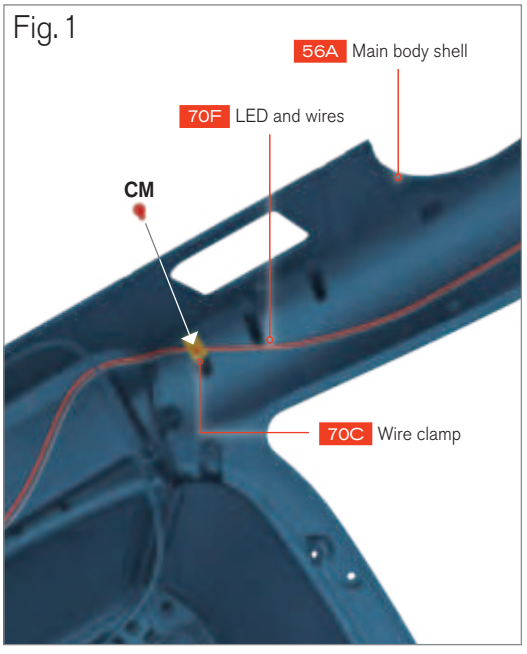


Fig. 1

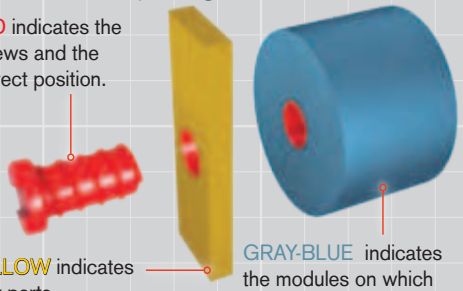


Fit the left and right rear light clusters, bulb holders and LEDs to the rear of the main body shell.

COLOR CODING

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

RED indicates the screws and the correct position.



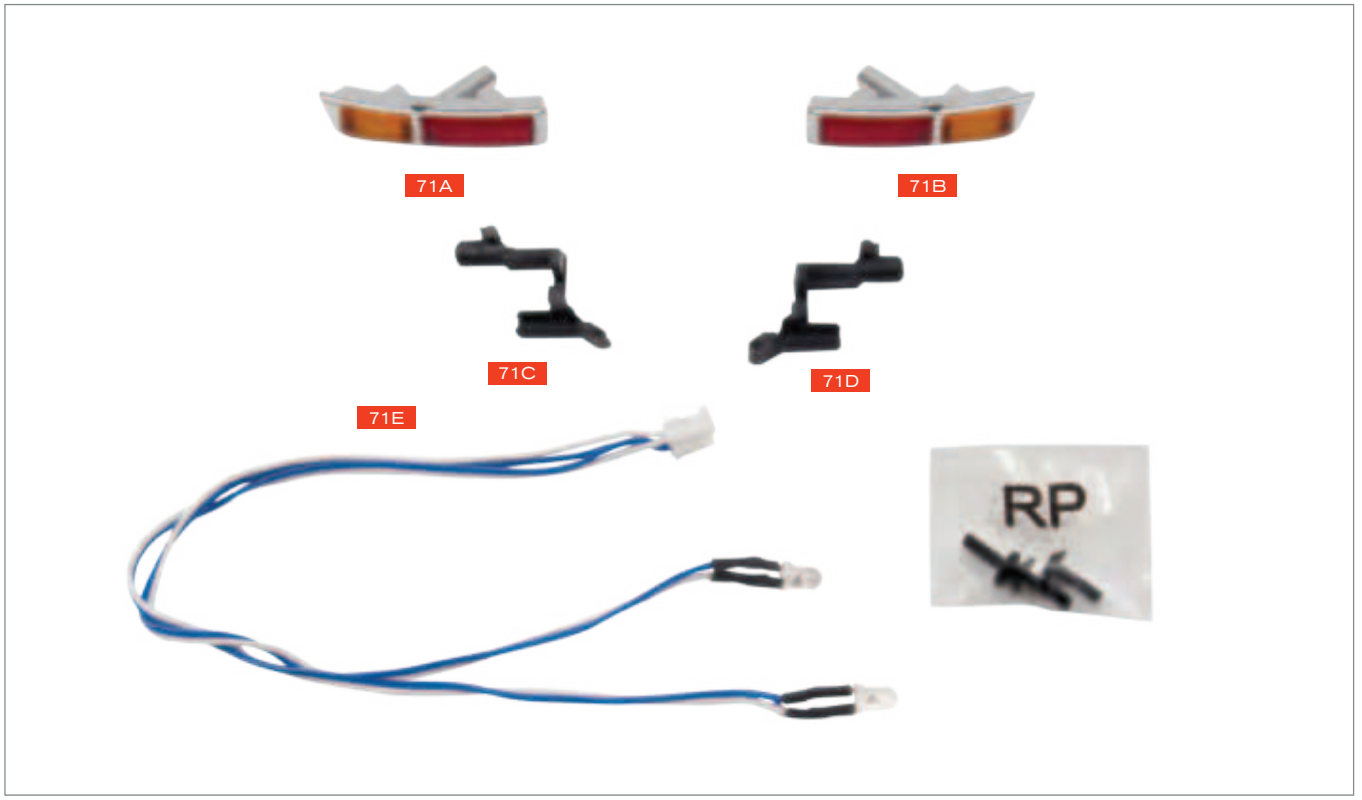
YELLOW indicates new parts.

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

PHASE 71 – REQUIRED PARTS

Code	Name	Quantity	Material
71A	Rear left light cluster	1	ABS and GP
71B	Rear right light cluster	1	ABS and GP
71C	Rear left bulb holder	1	ABS
71D	Rear right bulb holder	1	ABS
71E	Rear LEDs and wires	1	Mixed
RP	Screws 0.07 x 0.27 x 0.19in (2 x 7 x 5mm)	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.

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

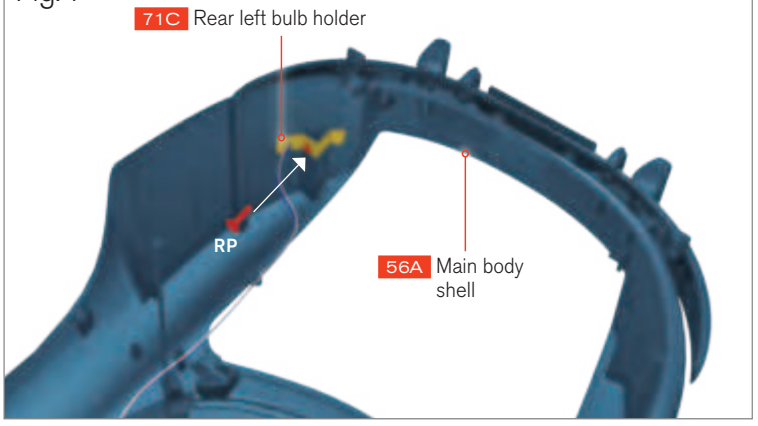
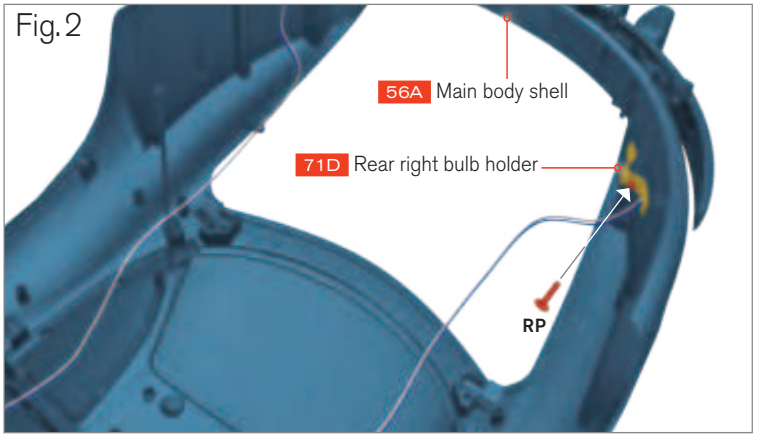
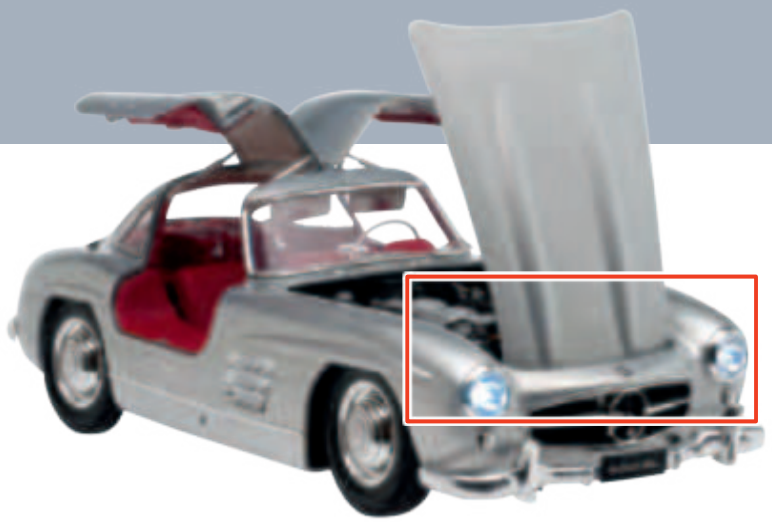


Fig. 2



Work on a soft cloth to avoid scratching the paintwork

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



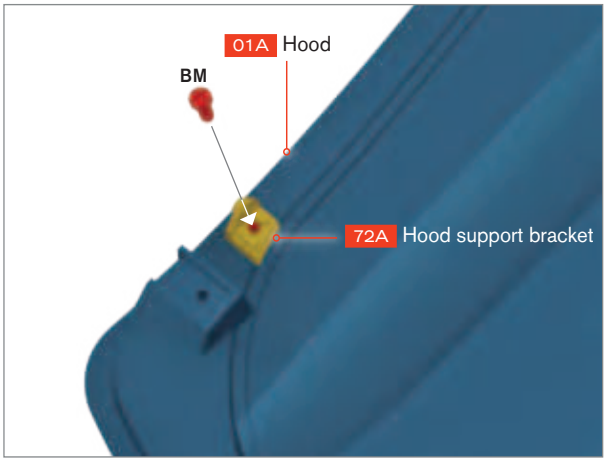
PHASE 72 – REQUIRED PARTS

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 0.06 x 0.15in (1.7 x 4mm)	1 + 1*	Iron
CM	Screws 0.07 x 0.15in (2 x 4mm)	6 + 2*	Iron
UM	Screws 0.06 x 0.11in (1.7 x 3mm)	1 + 1*	Iron

* Replacement screws included

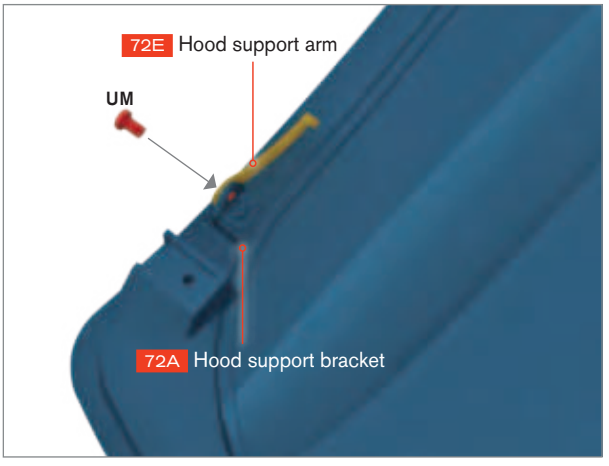
01 FITTING THE HOOD SUPPORT BRACKET

Take the hood 01A that you received in phase 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.



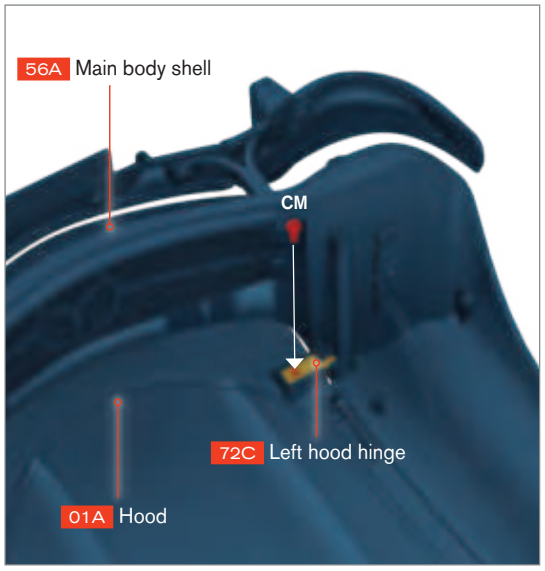
02 FITTING THE HOOD SUPPORT ARM

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).



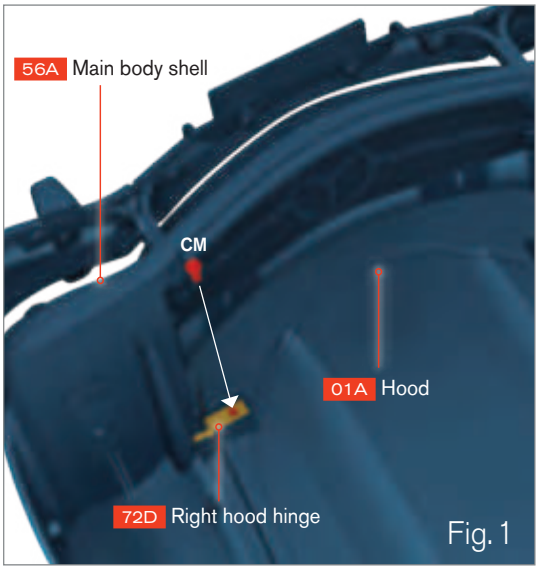


Fig. 1

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).

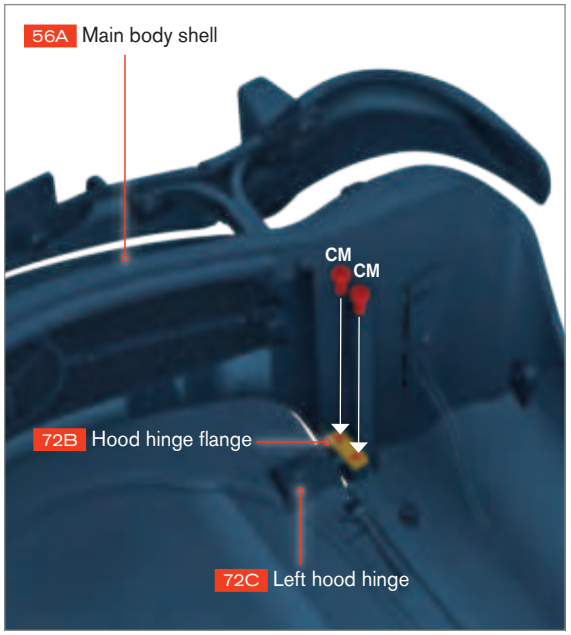


Fig. 1

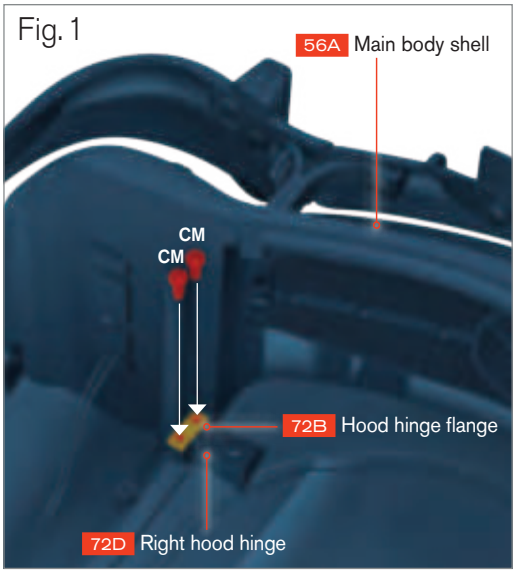
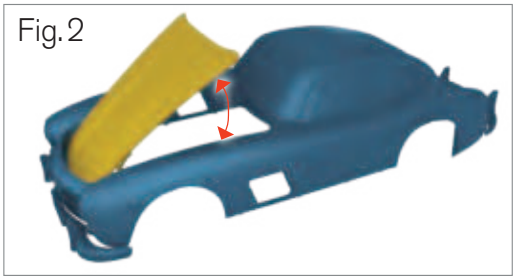
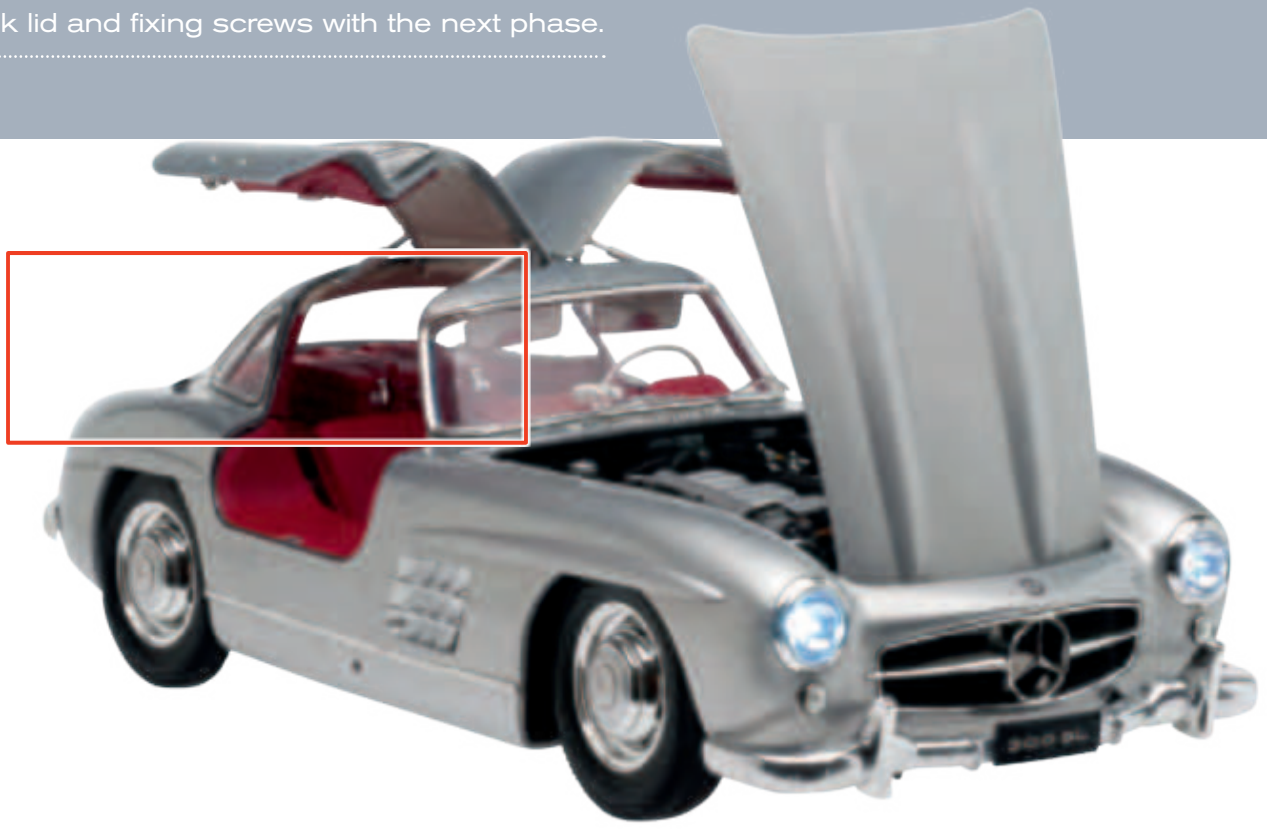
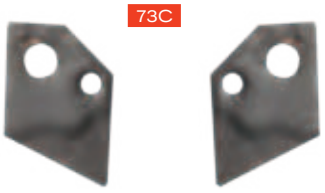


Fig. 2



In this issue 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 phase.





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

Fit the trunk lid to the main body shell, using two hinges and flanges, and the support rod that were supplied in phase 73.

PHASE 74 – REQUIRED PARTS

Code	Name	Quantity	Material
74A	Trunk lid and lock	1	Zinc and ABS
BM	Screws 0.06 x 0.15in (1.7 x 4mm)	2 + 1*	Iron
MM	Screws 0.09 x 0.15in (2.3 x 4mm)	4 + 2*	Iron

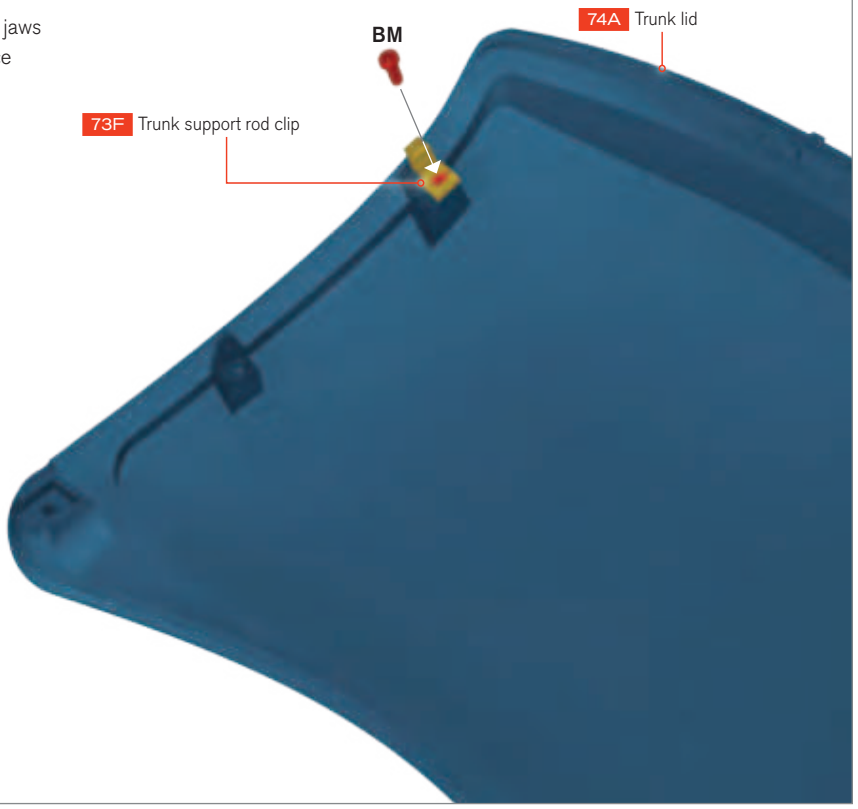
* Replacement screws included

01 FITTING THE TRUNK SUPPORT ROD BRACKET

Align the hole in the trunk support rod bracket 73E – supplied in phase 73 – with the screw socket on the front left underside of the trunk lid 74A, ensuring that the pin fits into the smaller of the two holes. Fix in place with a **BM** screw.

02 FITTING THE TRUNK SUPPORT ROD CLIP

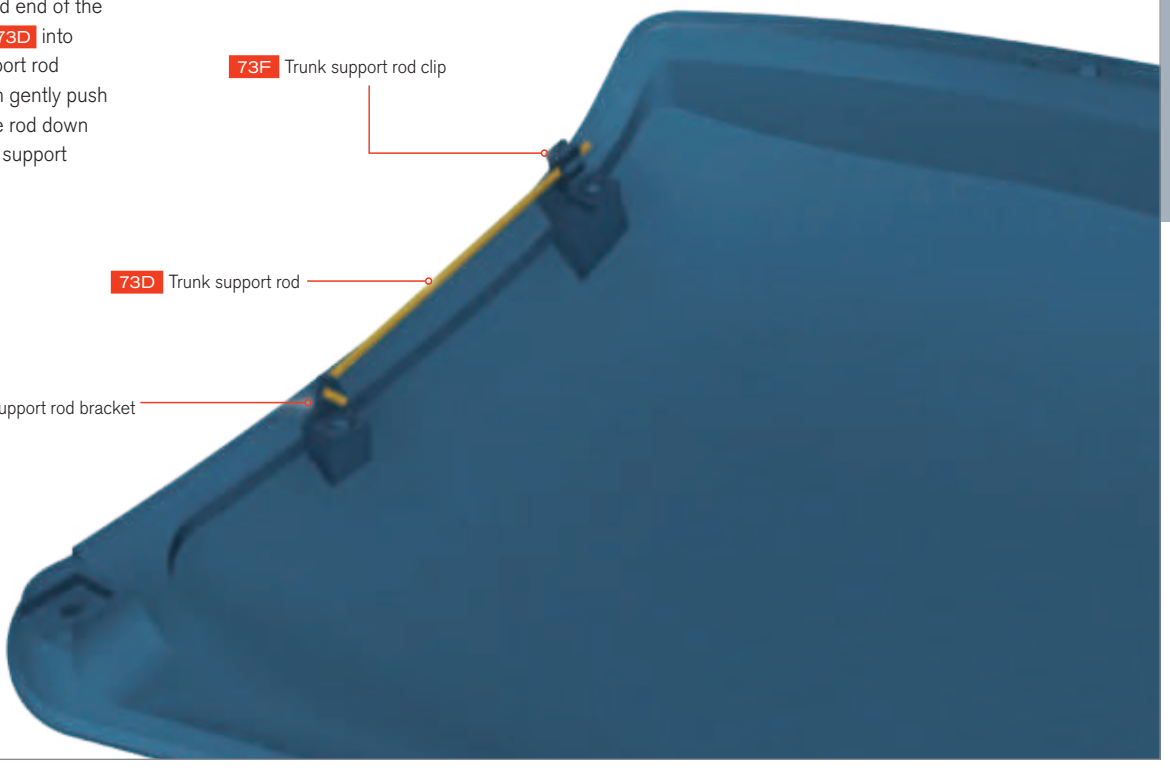
Align the hole in the trunk support rod clip 73F with the screw socket on the rear left underside of the trunk lid 74A, ensuring that clip jaws are on the outer edge. Fix in place with a **BM** screw.



The "left" and "right" sides of the model are as viewed from ABOVE, looking FORWARDS as if seated in the driving position. Therefore, when working with the assembly upside down, remember to think in reverse.

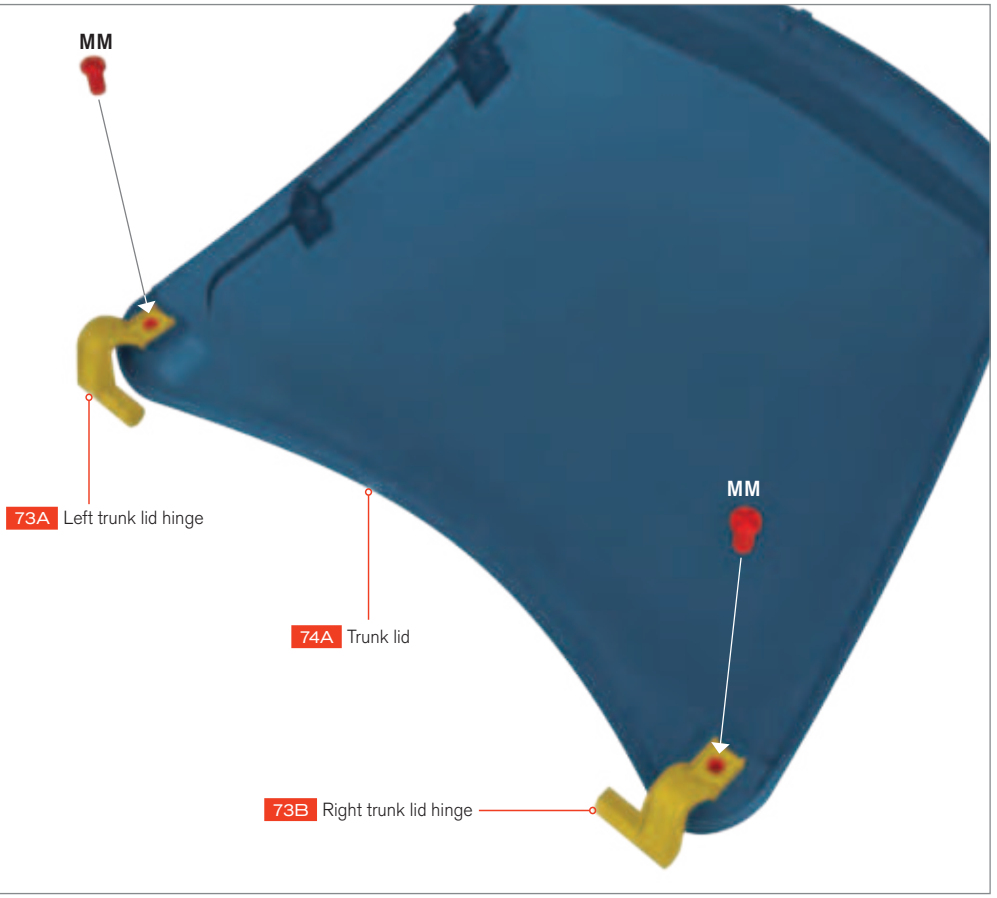
03 FITTING THE TRUNK SUPPORT ROD

Insert the angled end of the trunk support rod 73D into the hole in the support rod bracket 73E. Then gently push the other end of the rod down into the jaws of the support rod clip 73F.



04 FITTING THE TRUNK LID HINGES

Fit the left trunk lid hinge 73A – marked with an L – over the screw socket at the front left of the trunk lid 74A, ensuring that the hinge pin points inwards. Fix it in place with an **MM** screw. Then fit the right trunk lid hinge 73B – marked with an R – over the screw socket at the front right of the trunk lid 74A, ensuring that the hinge pin points inwards. Fix it in place with an **MM** screw.



05 FITTING THE HINGE FLANGES

Take the previously assembled main body shell 56A and lay it upside down on a soft cloth. Align the trunk lid 74A with the aperture in the rear of the main body shell, and fit the left hinge 73A and the right hinge 73B into their corresponding housings. Lay a hinge flange 73C over the left hinge pin 73A, ensuring that the pin on the body shell fits into the smallest hole in the flange. Fix it firmly in place with an **MM** screw. Then lay the other hinge flange 73C over the right hinge pin 73A and fix it firmly with an **MM** screw (figure 1).

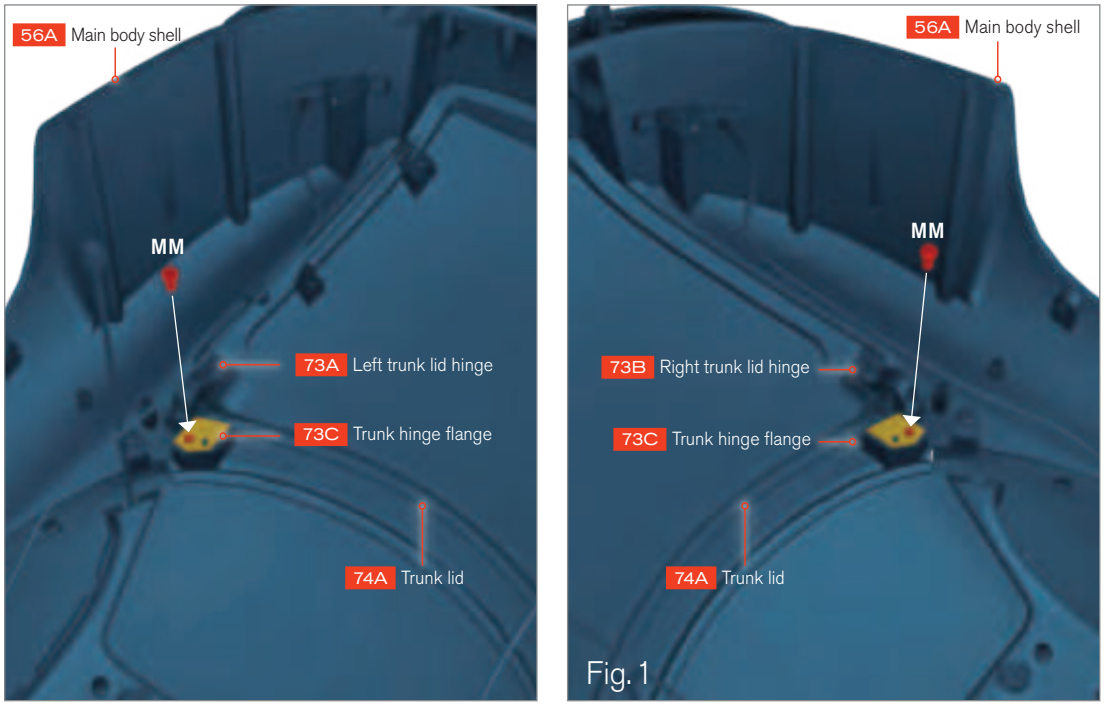
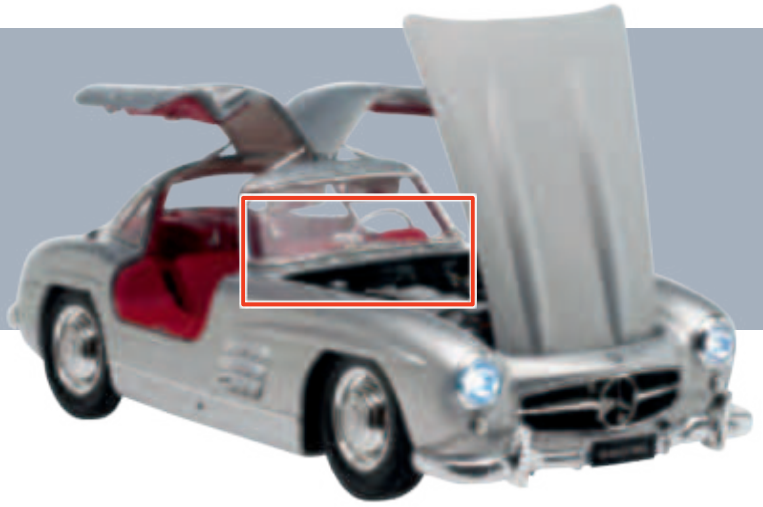


Fig. 1

Install the air vent grille, the windshield wipers, and the side mirror to the main body shell.



PHASE 75 – REQUIRED PARTS

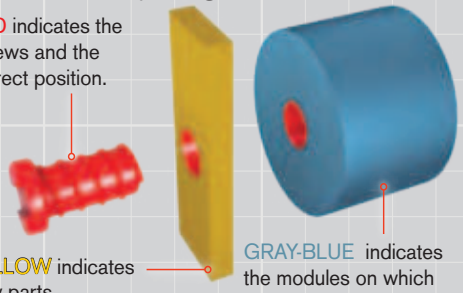
Code	Name	Quantity	Material
75A	Windshield air vent grille	1	ABS
75B	Left windshield wiper	1	ABS
75C	Right windshield wiper	1	ABS
75D	Side mirror	1	ABS and SAN
EP	Screws 0.06 x 0.15in (1.7 x 4mm)	2 + 1*	Iron
HP	Screws 0.07 x 0.15in (2 x 4mm)	3 + 1*	Iron

* 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.

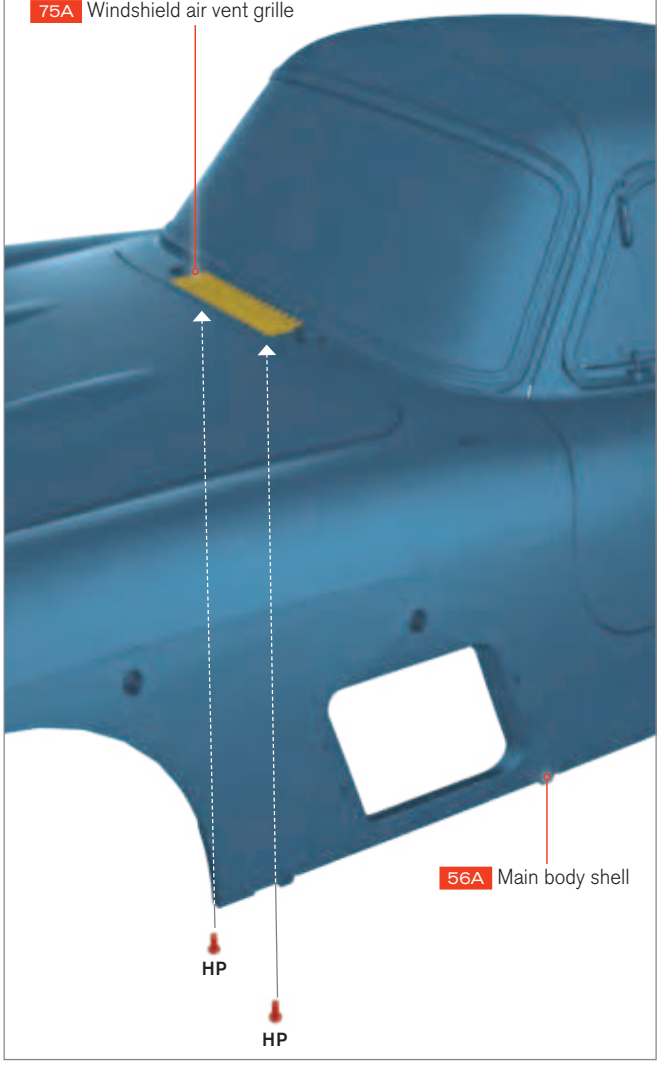


YELLOW indicates new parts.

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

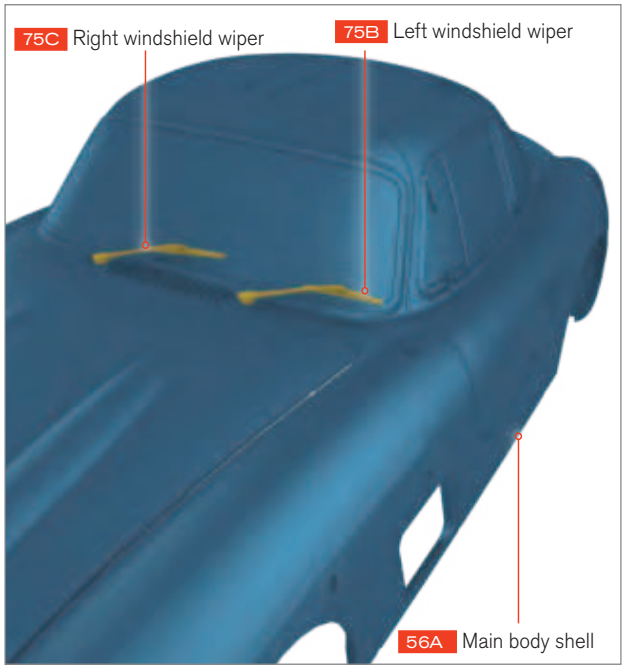
01 FITTING THE AIR VENT GRILLE

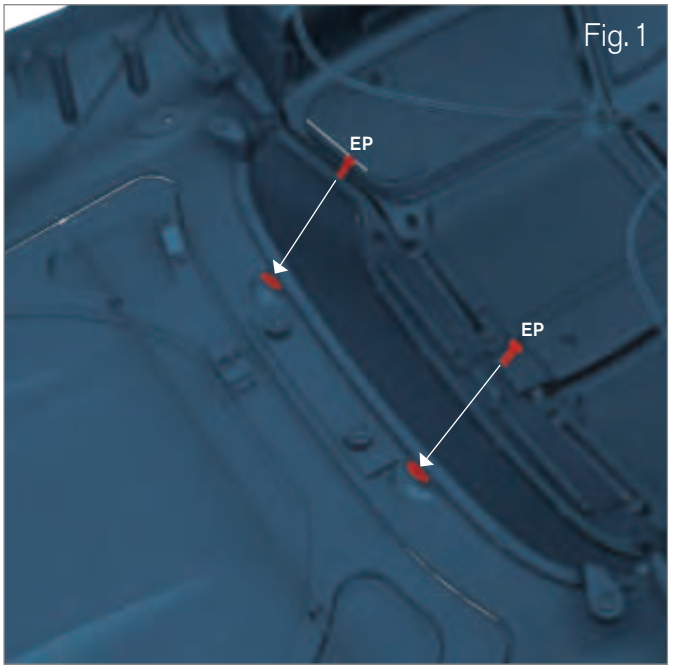
Position the windshield air vent grille 75A over the rectangular housing in front of the windscreen on the main body shell 56A. The fixing posts are spaced off-center so that the grille will only fit one way round. Fix in place from underneath with two **HP** screws.



02 INSTALLING THE WINDSHIELD WIPERS

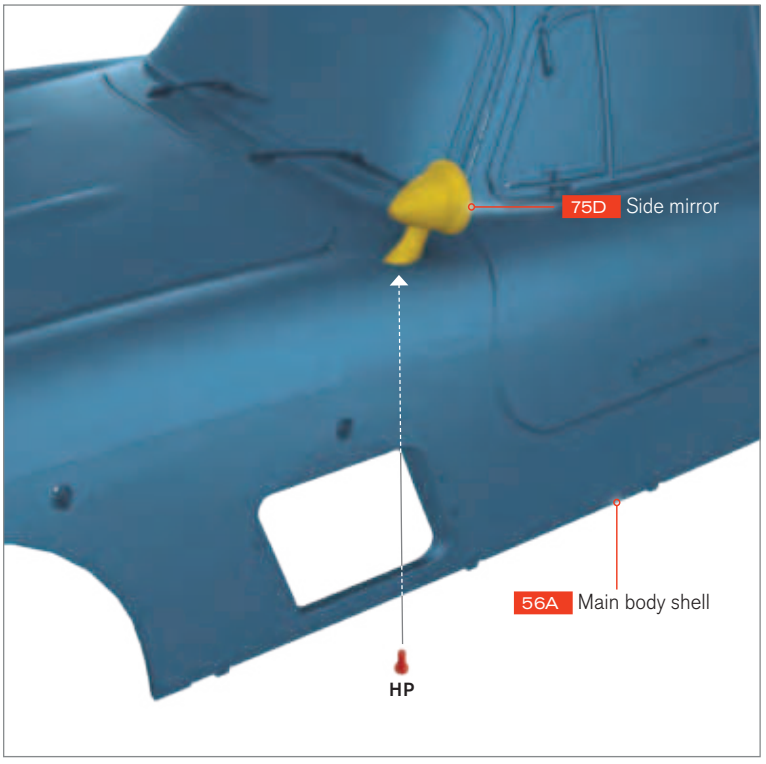
Insert the left windshield wiper 75B – which has the shortest wiper blade – into the socket in the main body shell 56A to the left of the air vent. Repeat to insert the right windshield wiper 75C – which has the longer wiper blade – to the right of the air vent. Fix the wipers in place from inside the body shell with two **EP** screws (figure 1).





03 INSTALLING THE SIDE MIRROR

Position the side mirror 75D in the oval recess in the main body shell 56A to the left of the windshield. Fix in place from underneath with an **HP** screw.



The 'left' and 'right' sides of the model are as viewed from ABOVE, looking FORWARDS as if seated in the driving position.

Fit the left and right fender grilles to the main body shell.

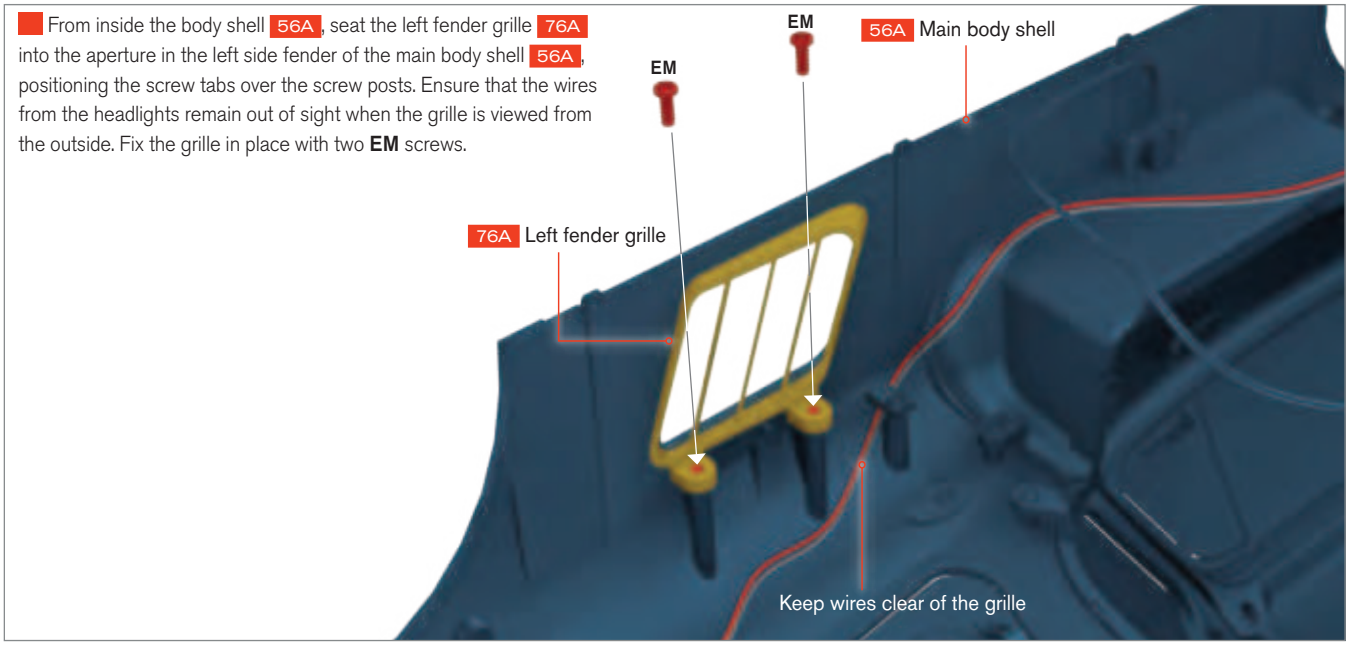
PHASE 76 – REQUIRED PARTS

Code	Name	Quantity	Material
76A	Left fender grille	1	ABS
76B	Left grille trim	2	ABS
76C	Right fender grille	1	ABS
76D	Right grille trim	2	ABS
EM	Screws 0.07 x 0.19in (2 x 5mm)	4 + 2*	Iron

* Replacement screws included

01 INSTALLING THE LEFT FENDER GRILLE

From inside the body shell 56A, seat the left fender grille 76A into the aperture in the left side fender of the main body shell 56A, positioning the screw tabs over the screw posts. Ensure that the wires from the headlights remain out of sight when the grille is viewed from the outside. Fix the grille in place with two **EM** screws.

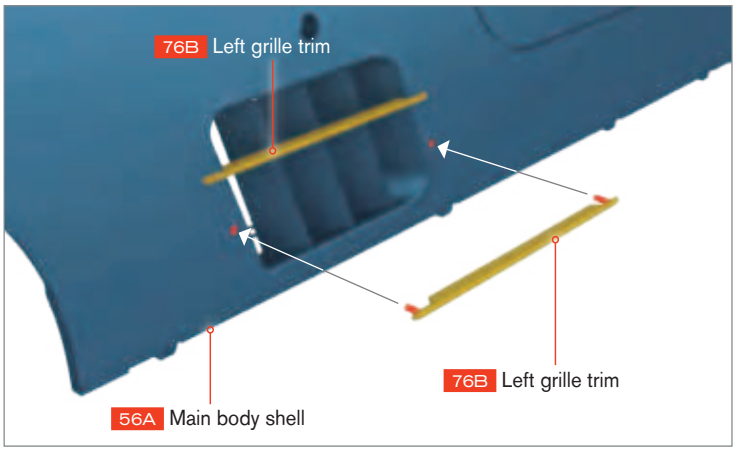


02 INSTALLING THE LEFT GRILLE TRIMS

Push the pins on one of the left grille trims 76B into the small top holes in the main body shell 56A on either side of the fender grille. Then push the pins on the other left grille trim 76B into the small bottom holes.

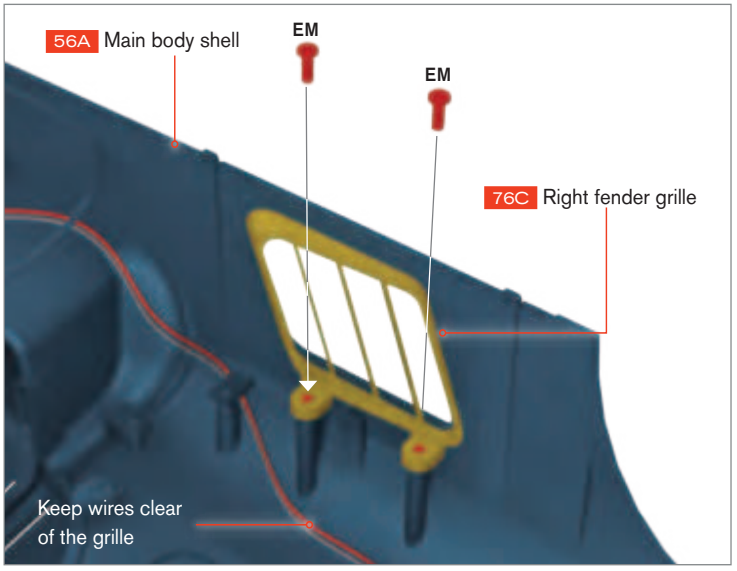
NOTE

Look very carefully at the four grille trims provided. One pair is for the left grille, and one pair is for the right grille. The angled inside edges of the trims must match the indentations on the grille and the angled sides of the aperture. Also, the front pin is closer to the front tip of the trim in all cases, so ensure the longer overhang is always at the rear.



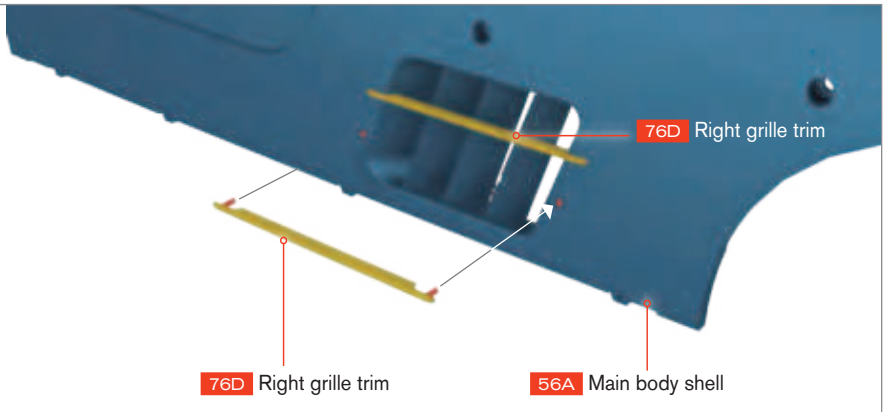
03 INSTALLING THE RIGHT FENDER GRILLE

From inside the body shell 56A, seat the right fender grille 76C into the aperture in the right side fender of the main body shell 56A, positioning the screw tabs over the screw posts. Ensure that the wires from the headlights remain out of sight when the grille is viewed from the outside. Fix the grille in place with two **EM** screws.



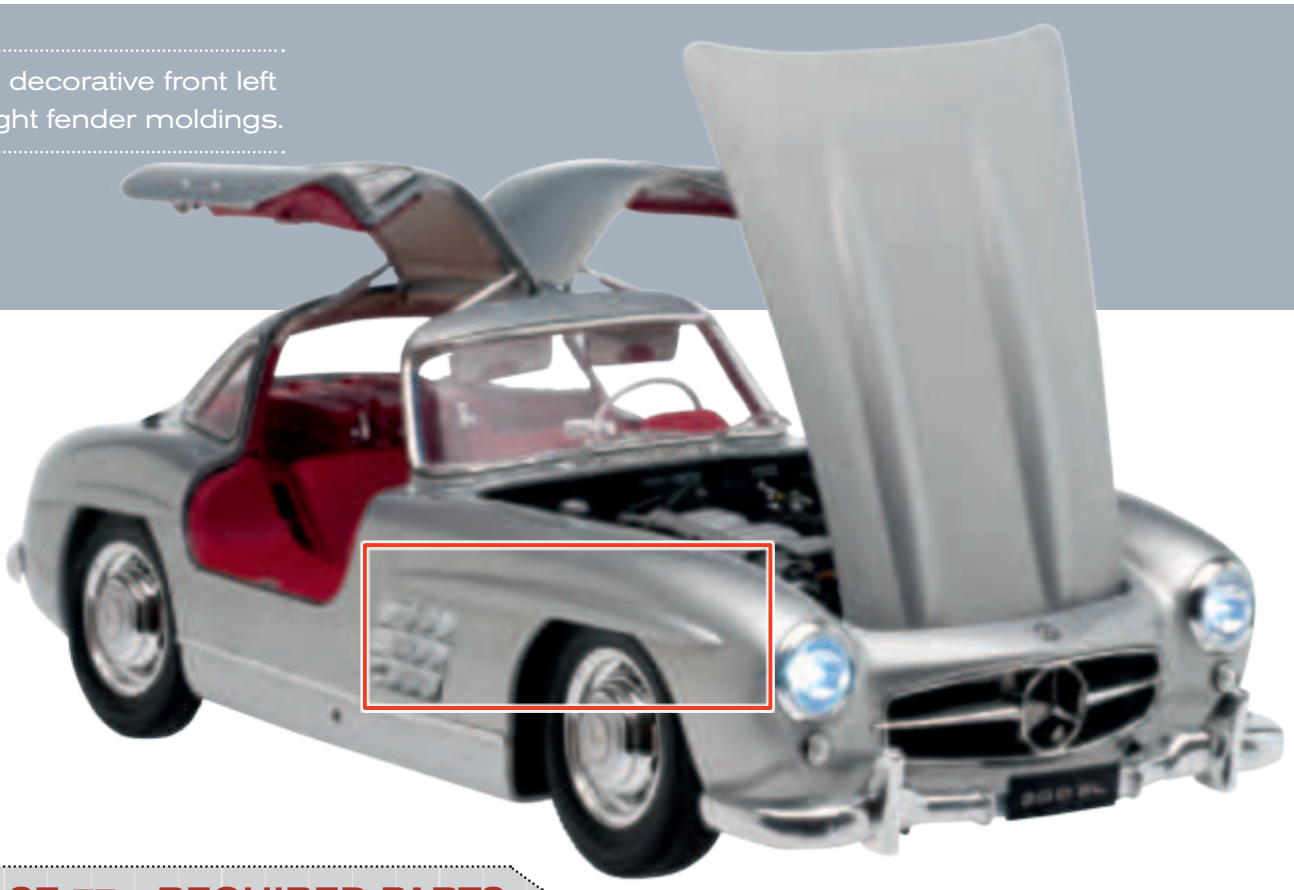
04 INSTALLING THE RIGHT GRILLE TRIM

Push the pins on one of the right grille trims 76D into the small top holes in the main body shell 56A on either side of the fender grille. Then push the second right grille trim 76D into the lower holes.



The 'left' and 'right' sides of the model are as viewed from ABOVE, looking FORWARDS as if seated in the driving position.

Fit the decorative front left and right fender moldings.



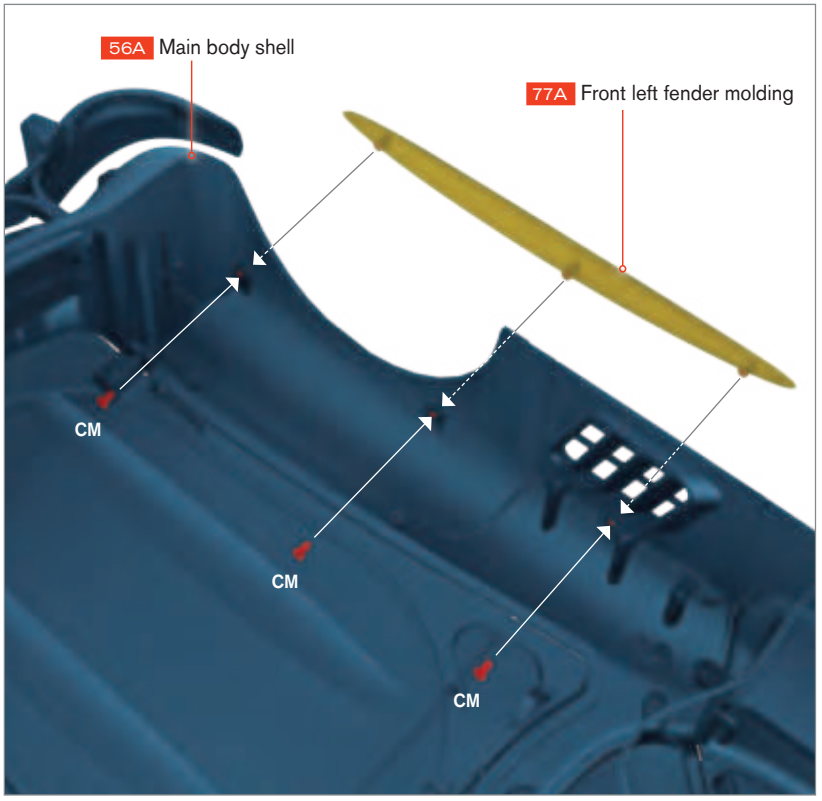
PHASE 77 – REQUIRED PARTS

Code	Name	Quantity	Material
77A	Front left fender molding	1	Zinc
77B	Front right fender molding	1	Zinc
CM	Screws 0.07 x 0.15in (2 x 4mm)	6 + 2*	Iron

* Replacement screws included

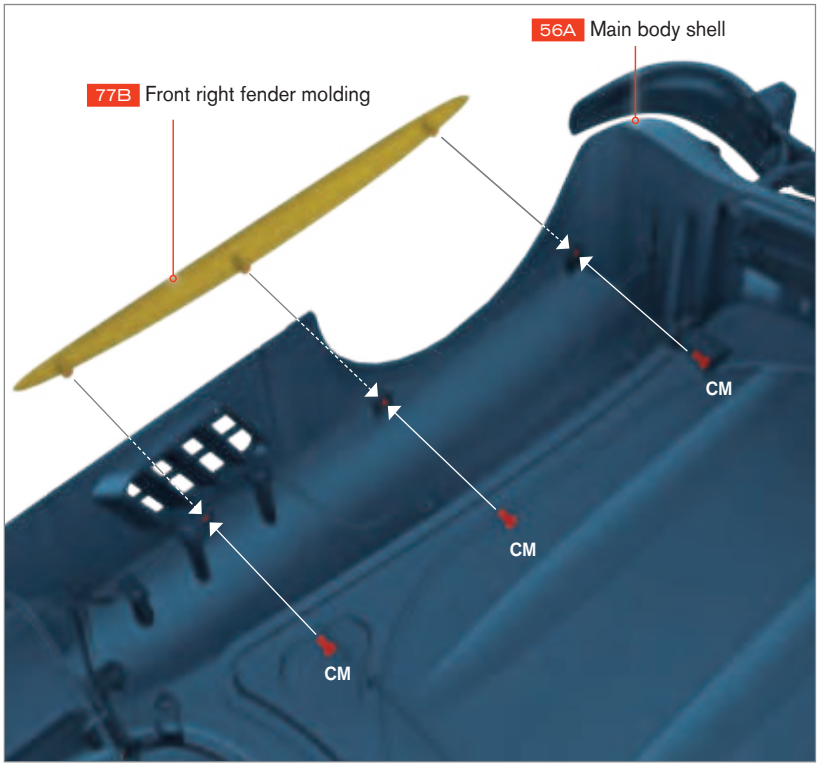
01 FITTING THE FRONT LEFT FENDER MOLDING

Push the pins on the front left molding 77A – marked FL on the inside – into the three sockets on the front left fender of the main body shell 56A. Fix it in place with three **CM** screws from inside the body shell.



02 FITTING THE FRONT RIGHT FENDER MOLDING

Push the pins on the front right molding 77B – marked FR on the inside – into the three sockets on the front right fender of the main body shell 56A. Fix it in place with three **CM** screws from inside the body shell.



Work on a soft cloth to avoid scratching the paintwork.

Fit the decorative rear left and right fender moldings.

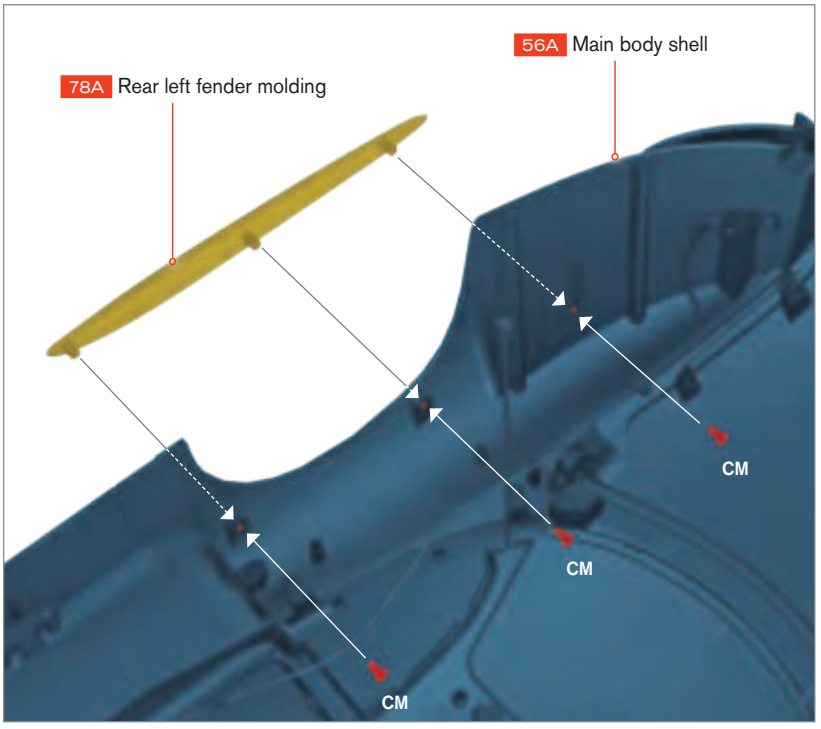
PHASE 78 – REQUIRED PARTS

Code	Name	Quantity	Material
78A	Rear left fender molding	1	Zinc
78B	Rear right fender molding	1	Zinc
CM	Screws 0.07 x 0.15in (2 x 4mm)	6 + 2*	Iron

* Replacement screws included

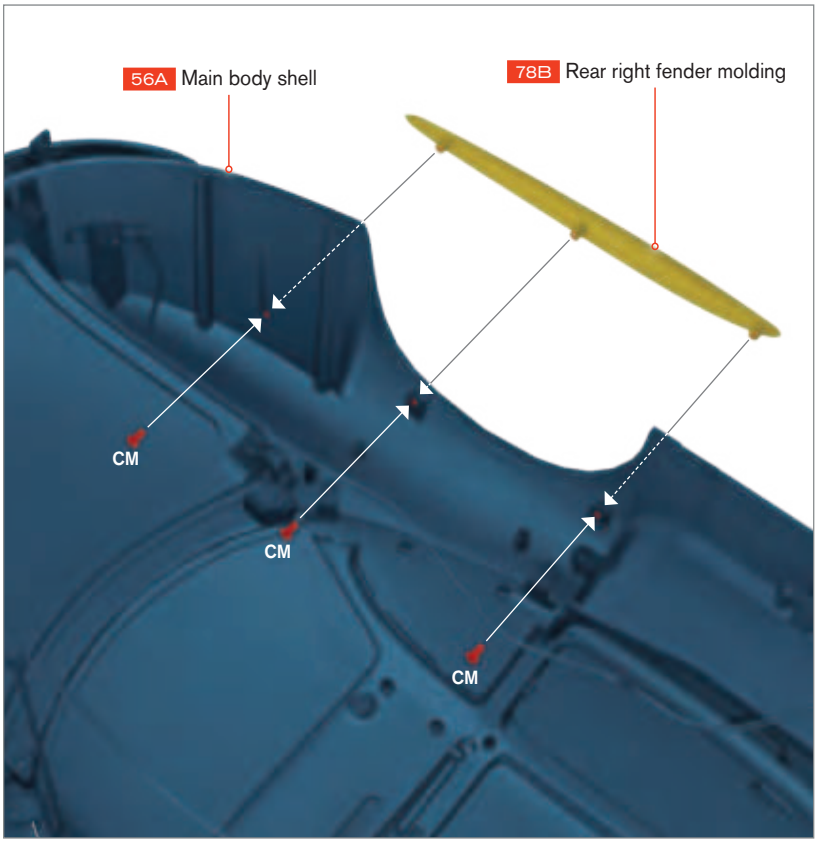
01 FITTING THE REAR LEFT FENDER MOLDING

Push the pins on the rear left molding 78A – marked RL on the inside – into the three sockets on the rear left fender of the main body shell 56A. Fix it in place with three **CM** screws from inside the body shell.



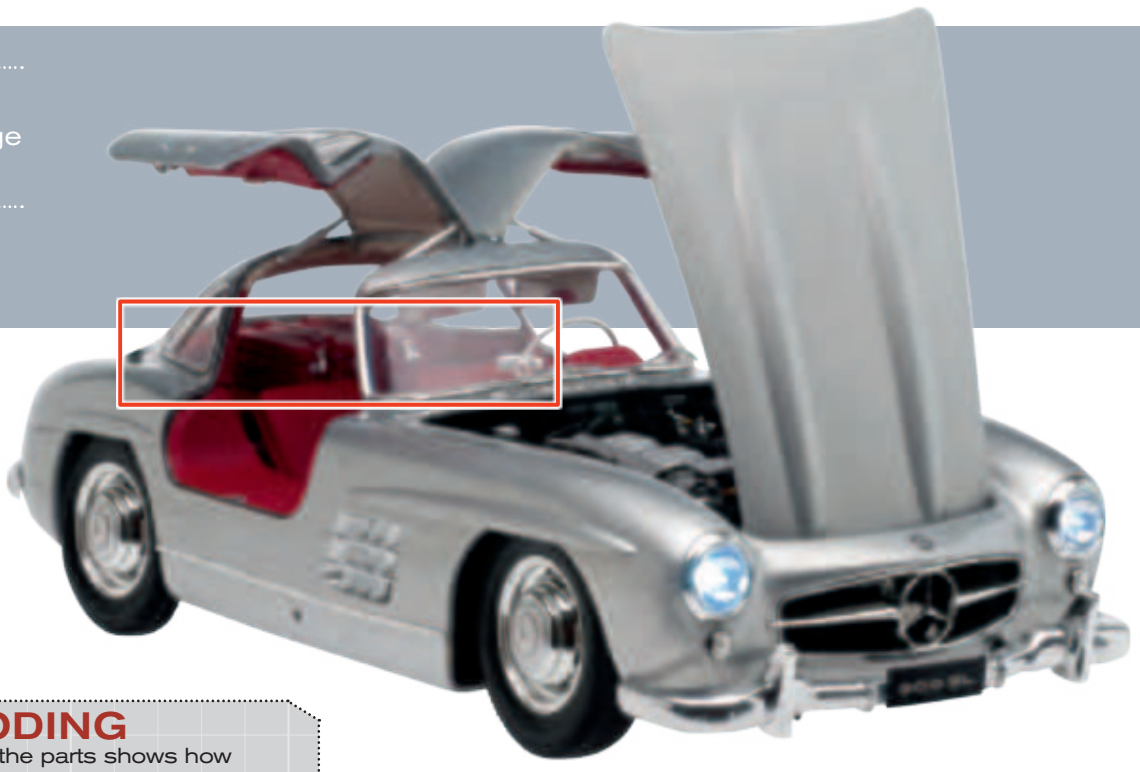
02 FITTING THE REAR RIGHT FENDER MOLDING

Push the pins on the rear right molding 78B – marked RR on the inside – into the three sockets on the rear right fender of the main body shell 56A. Fix it in place with three **CM** screws from inside the body shell.



Work on a soft cloth to avoid scratching the paintwork.

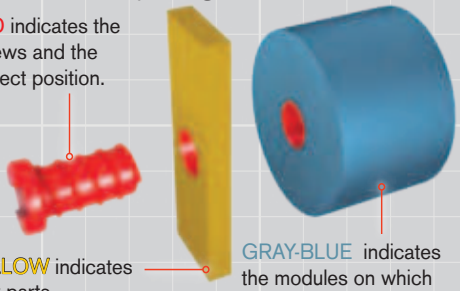
Fit the trunk wall inside the luggage compartment.



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.

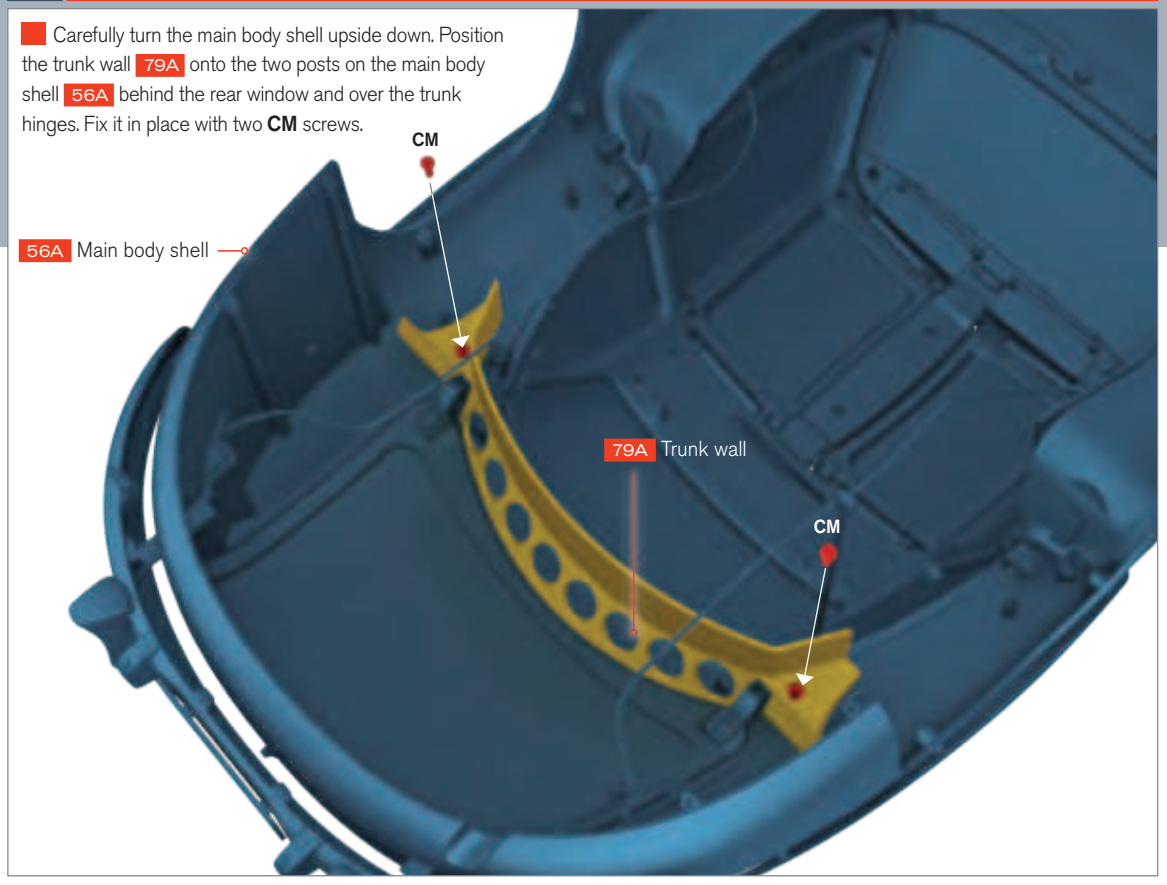
PHASE 79 – REQUIRED PARTS

Code	Name	Quantity	Material
79A	Trunk wall	1	ABS
CM	Screws 0.07 x 0.15in (2 x 4mm)	2 + 1*	Iron

* Replacement screws included

01 FITTING THE TRUNK WALL

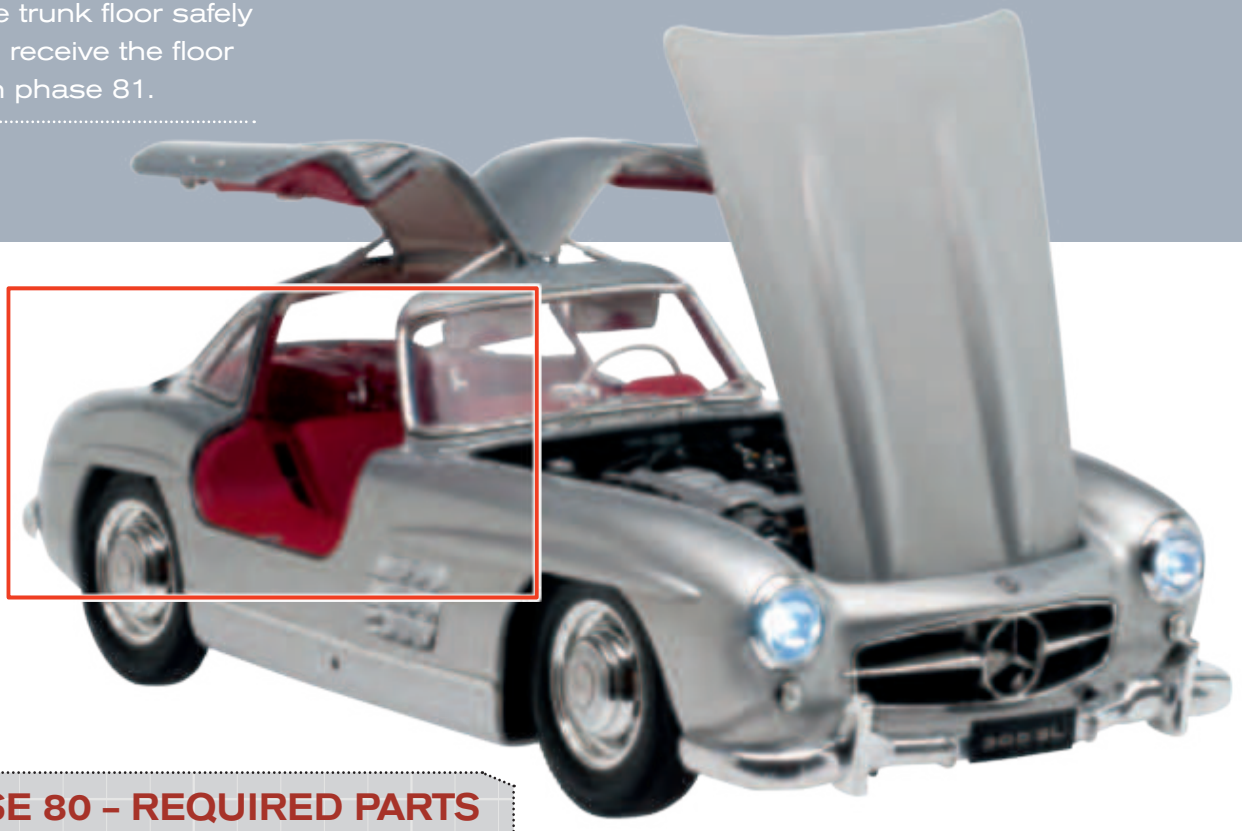
Carefully turn the main body shell upside down. Position the trunk wall 79A onto the two posts on the main body shell 56A behind the rear window and over the trunk hinges. Fix it in place with two **CM** screws.



Work on a soft cloth to avoid scratching the paintwork.

In phases 80-84, you will install the trunk floor, the floor carpet, the fuel tank, the booster pump, tool kit, jack, and spare wheel support.

Store the trunk floor safely until you receive the floor carpet in phase 81.

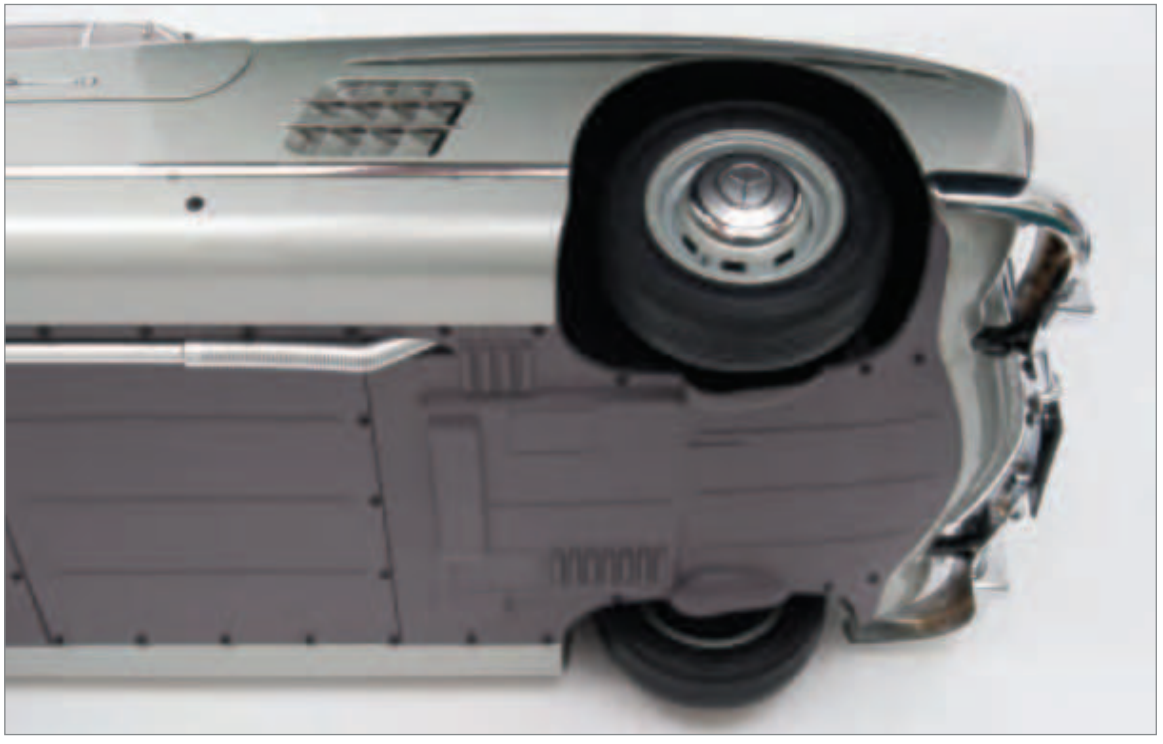


PHASE 80 – REQUIRED PARTS

Code	Name	Quantity	Material
80A	Trunk floor	1	ABS

In phases 81-84, you will install the trunk floor, the floor carpet, the fuel tank filler, the booster pump, tool kit, jack, and spare wheel support.

In phases 85-90, you will receive all the parts needed to install the front and rear wheel arch liners.



Fit the carpet to the trunk floor.

PHASE 81 – REQUIRED PARTS

Code	Name	Quantity	Material
81A	Trunk floor carpet	1	Self-adhesive TPR felt

01 FITTING THE TRUNK FLOOR CARPET

Carefully peel off some of the backing from the self-adhesive trunk floor carpet 81A, beginning with the two pointed front tips – do not peel it all off until you have aligned all the edges. Align the back edge with the trunk floor 80A and ensure that all the cutout holes fit over their corresponding holes in the floor. Then peel off a little more of the backing and carefully stretch the carpet over the contours of the floor. When the carpet is completely aligned, peel off the rest of the backing and press the carpet firmly into place all around (figure 1).

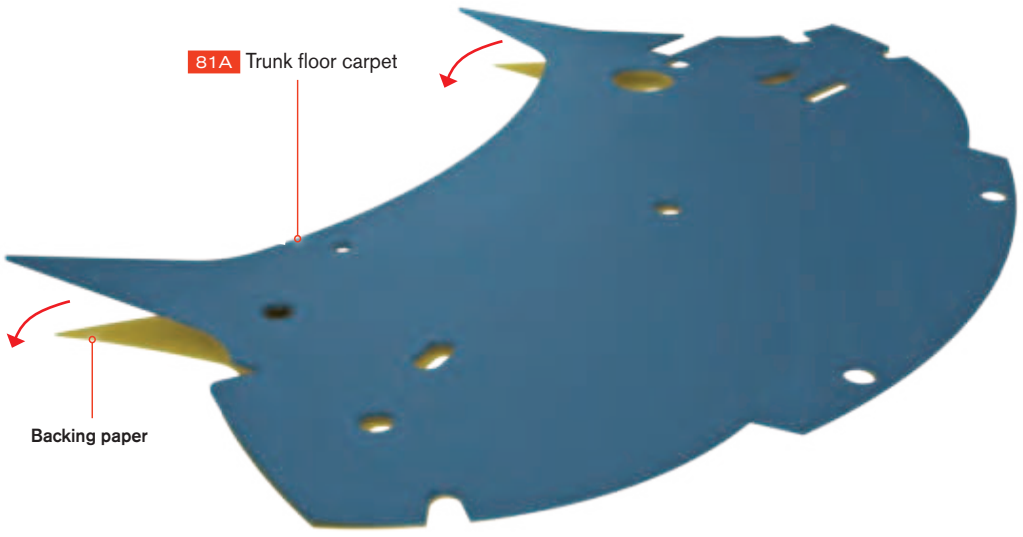
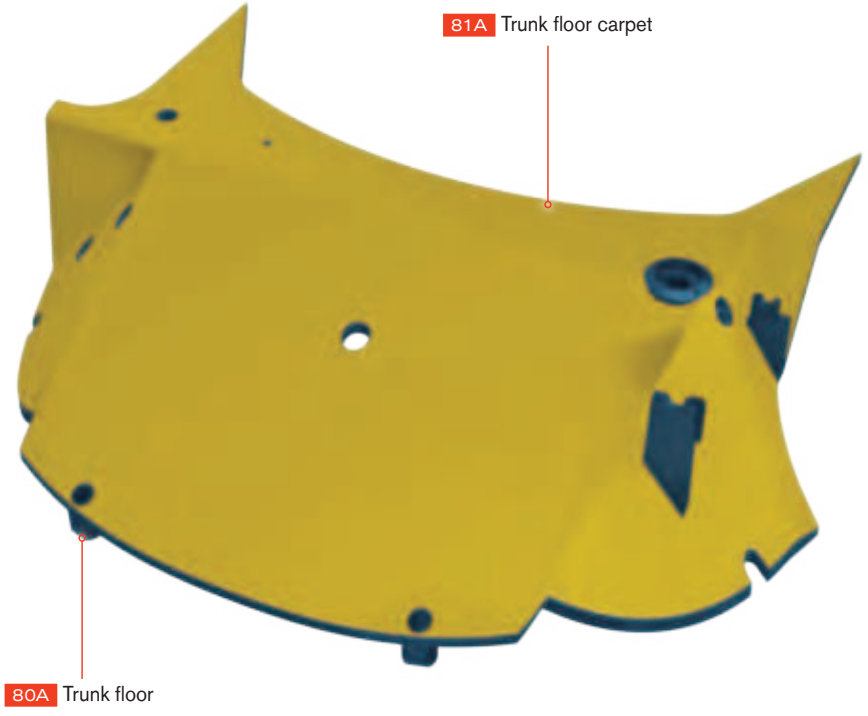
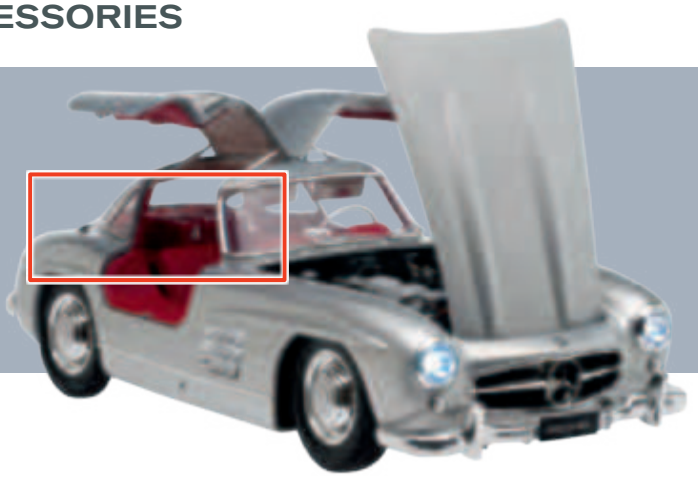


Fig. 1



Stick the carpet in place loosely until you are sure it fits correctly all the way around. It can be carefully peeled off the plastic floor if you make a mistake. When you are sure the fit is correct, you can press it down firmly.

Install the fuel tank filler, the booster pump, tool kit, jack, and spare wheel support onto the trunk floor.



PHASE 82 – REQUIRED PARTS

Code	Name	Quantity	Material
82A	Fuel tank filler tube and cap	1	ABS
82B	Fuel tank booster pump	1	ABS
82C	Booster pump motor	1	ABS
82D	Tool kit	1	ABS
82E	Jack	1	ABS
82F	Spare wheel support	1	ABS
HP	Screws 0.07 x 0.15in (2 x 4mm)	4 + 3*	Iron
JP	Screws 0.07 x 0.19in (2 x 5mm)	3 + 1*	Iron

* Replacement screws included

01 FITTING THE TANK COVER

Push the booster pump motor 82C onto the top of the fuel tank booster pump 82B. Then fit the fuel tank booster pump 82B onto the two sockets at the left side of the trunk floor 80A. Fix the assembly in place with two **JP** screws (figure 1).

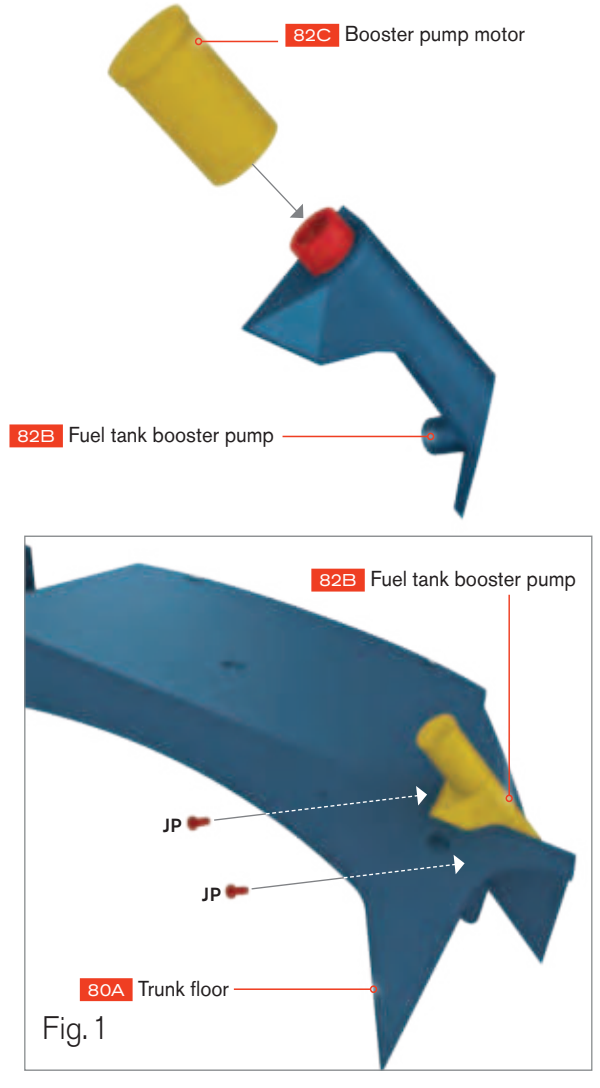
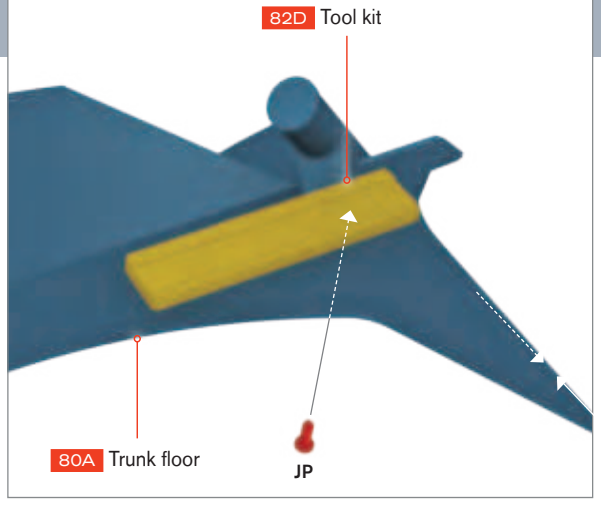


Fig. 1

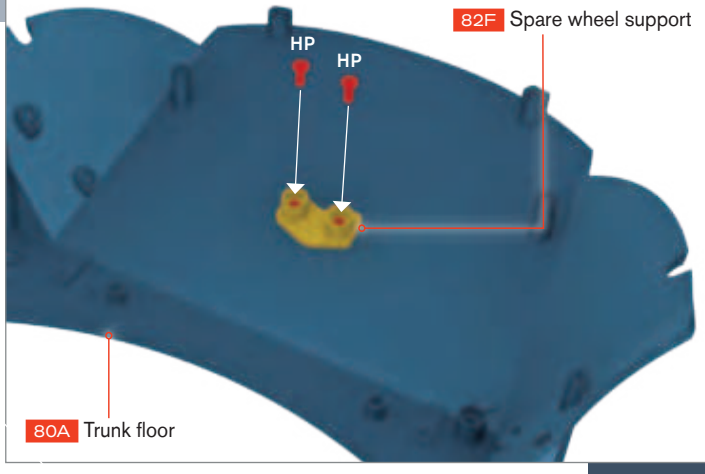
02 INSTALLING THE TOOL KIT

Position the tool kit 82D over its corresponding holes on the front left of the trunk floor 80A and then fix it in place with a **JP** screw from underneath.



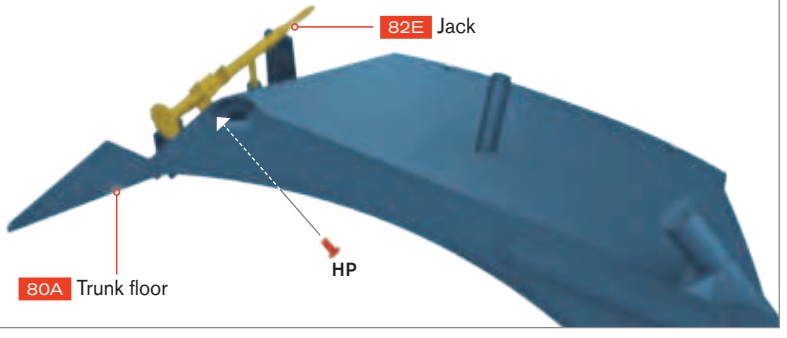
03 FITTING THE SPARE WHEEL SUPPORT

From underneath, push the shaft of the spare wheel support 82F through the central hole in the trunk floor 80A. Fix it in place with two **HP** screws from underneath.



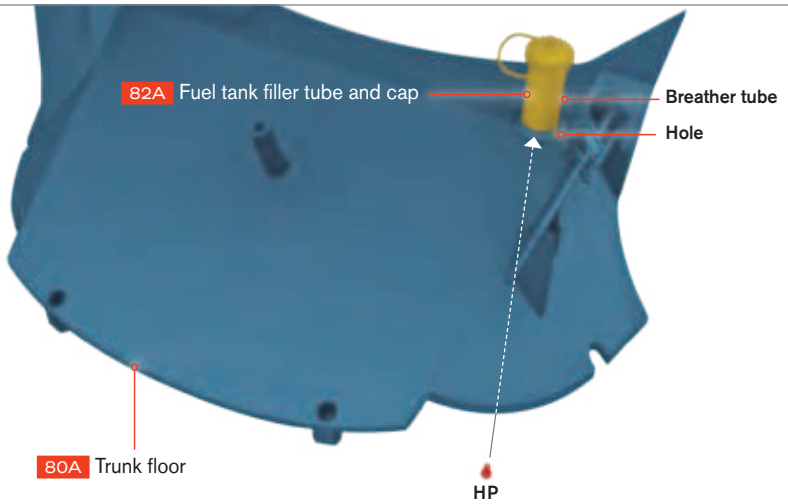
04 FITTING THE JACK

Position the jack 82E over the two support cradles on the right of the trunk floor 80A, as shown in the image, gently pushing the central rod into the hole between the two cradles. Fix from beneath the floor with an **HP** screw.



05 FITTING THE FUEL TANK FILLER TUBE AND CAP

Fit the base of the fuel tank filler tube and cap 82A into the notched socket at the right of the trunk floor 80A. Fix in place from underneath with an **HP** screw. Push the end of the filler cap breather tube into the small hole near the base of the filler tube.



Work on a clean work surface to avoid marking the black felt trunk liner.

Store the spare wheel rim safely until you fit the tire and rim lock in phase 84.

PHASE 83 – REQUIRED PARTS

Code	Name	Quantity	Material
83A	Spare wheel rim	1	Zinc

83A

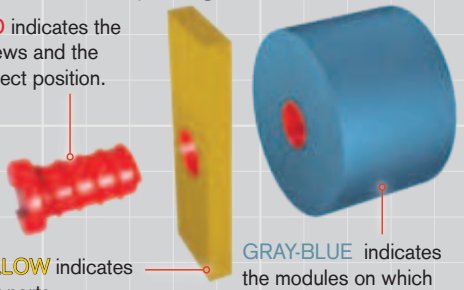
In phase 84 you will fit the spare tire to the rim.

Fit the spare tire to the wheel rim, fix the spare wheel to the trunk floor, and then install the trunk floor 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.

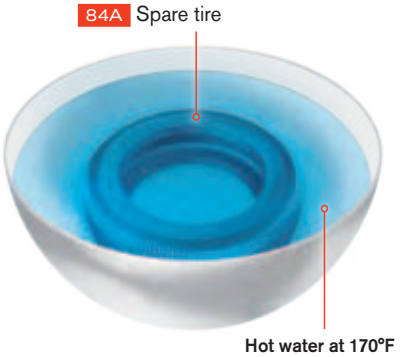
PHASE 84 – REQUIRED PARTS

Code	Name	Quantity	Material
84A	Spare tire	1	PVC
84B	Washer	1	ABS
84C	Rim lock	1	ABS
MM	Screws 0.09 x 0.15in (2.3 x 4mm)	2 + 1*	Iron
NP	Screws 0.09 x 0.19in (2.3 x 5mm)	1 + 1*	Iron

* Replacement screws included

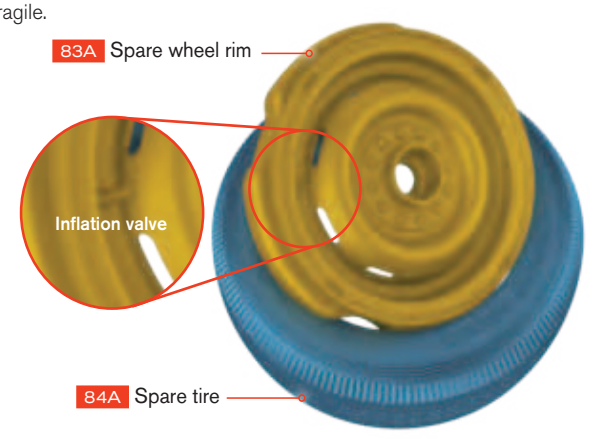
01 SOFTENING THE TIRE

The spare tire 84A is difficult to bend at room temperature, making it hard to press onto the rim. We recommend placing it in a container with hot water, at approximately 170°F (75°C), for a few minutes. When warm, the tire softens and can easily be fitted.



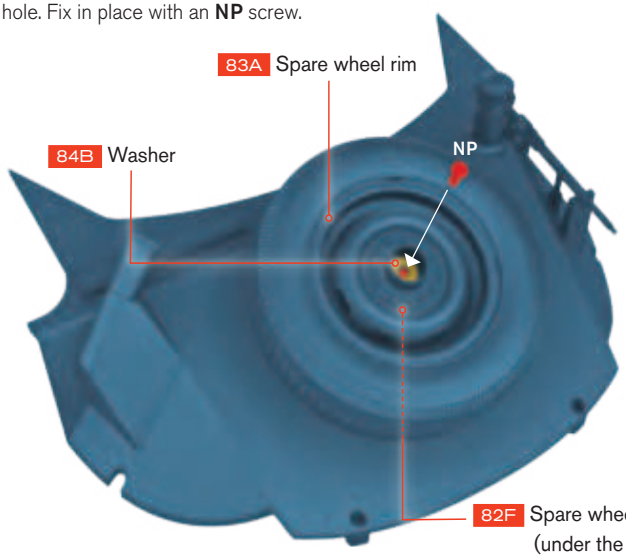
02 FITTING THE TIRE ONTO THE RIM

Place the rim 83A inside the tire 84A as shown in the picture, and carefully press the sides to seat it onto the rim so that it is evenly distributed. CAUTION: while fitting the tire, DO NOT PRESS the inflation valve as it is very fragile.



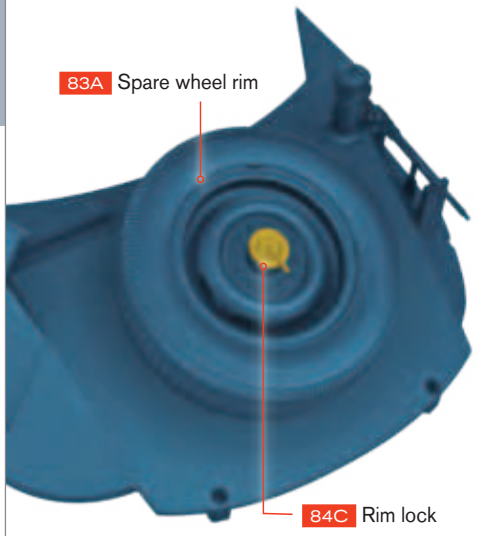
03 FITTING THE SPARE WHEEL TO THE TRUNK FLOOR

Position the center of the spare wheel rim 83A onto the spare wheel support 82F so that the tire touches the trunk floor. Place the washer 84B through the rim and onto the center of the support 82F, aligning it with the screw hole. Fix in place with an **NP** screw.



04 FITTING THE RIM LOCK

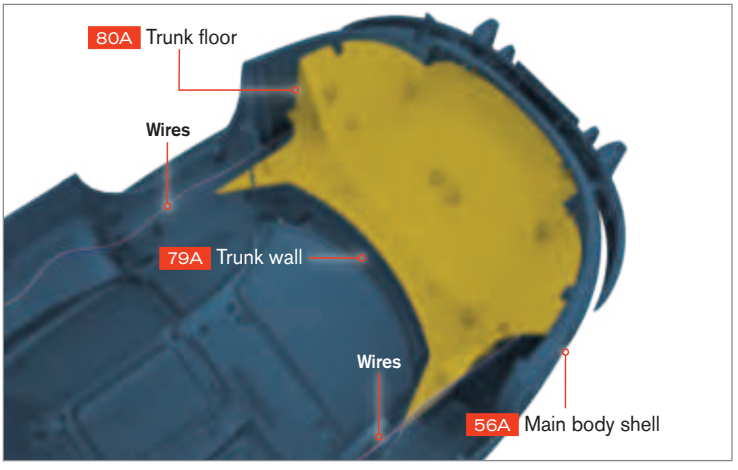
Push the rim lock 84C into the center of the spare wheel rim 83A. Take care not to press hard against the fragile lever on the rim lock.

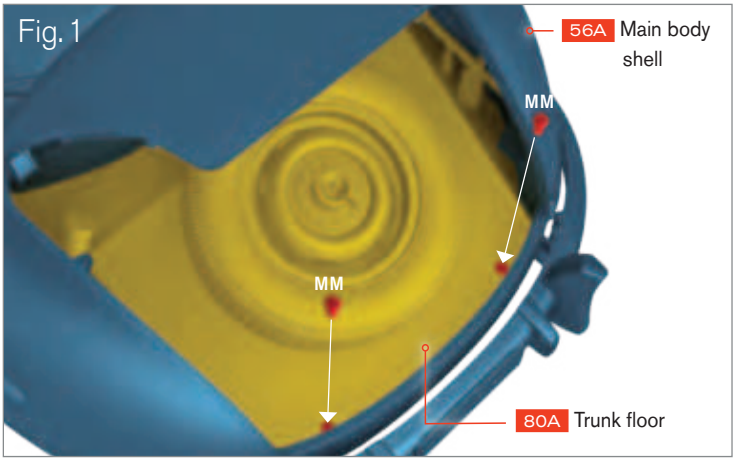


05 FITTING THE TRUNK FLOOR TO THE BODY SHELL

Turn the main body shell assembly upside down on to a soft cloth. Fit the trunk floor 80A into the rear of the main body shell 56A, ensuring that the wires for the rear lights run above the trunk floor when you turn the body shell upright again. The trunk floor 80A must fit over the trunk wall 79A, and the two screw sockets at the rear of the trunk floor must fit over the two screw posts at the rear of the body shell. Now, carefully turn the assembly upright. Fix the trunk floor to the main body shell with two **MM** screws (figure 1).

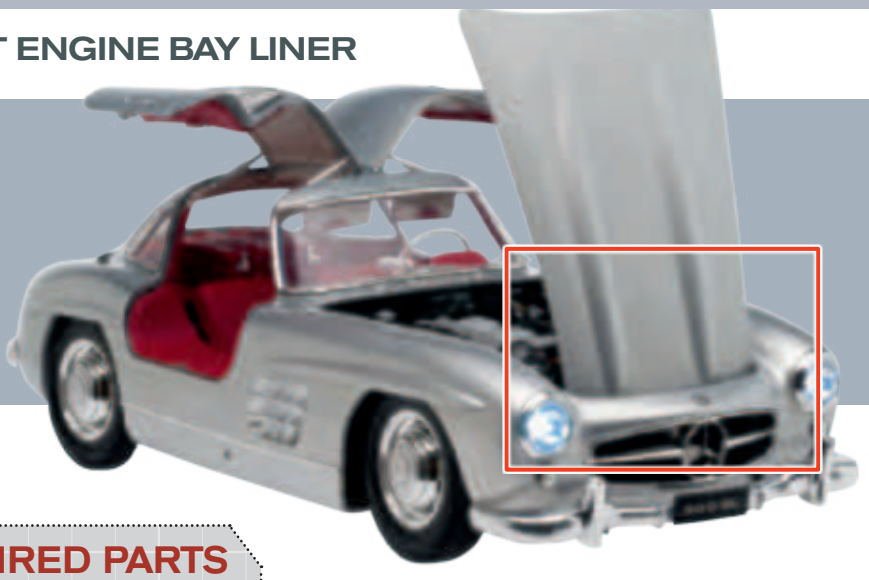
Note: At this stage, the trunk floor is only secured at the rear edge, so handle the assembly with care.





PHASE 85: **THE FRONT LEFT ENGINE BAY LINER**

Install the brake fluid lines and hood release latch to the front left engine bay liner.



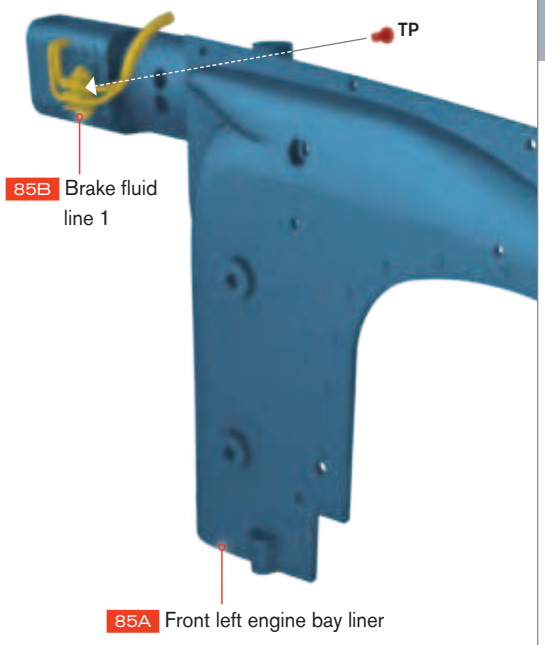
PHASE 85 – REQUIRED PARTS

Code	Name	Quantity	Material
85A	Front left engine bay liner	1	ABS
85B	Brake fluid line 1	1	ABS
85C	Brake fluid line 2	1	ABS
85D	Brake fluid line 3	1	ABS
85E	Hood release latch	1	Zinc
HP	Screws 0.07 x 0.15in (2 x 4mm)	1 + 1*	Iron
TP	Screws 0.06 x 0.19in (1.7 x 5mm)	2 + 1*	Iron

* Replacement screws included

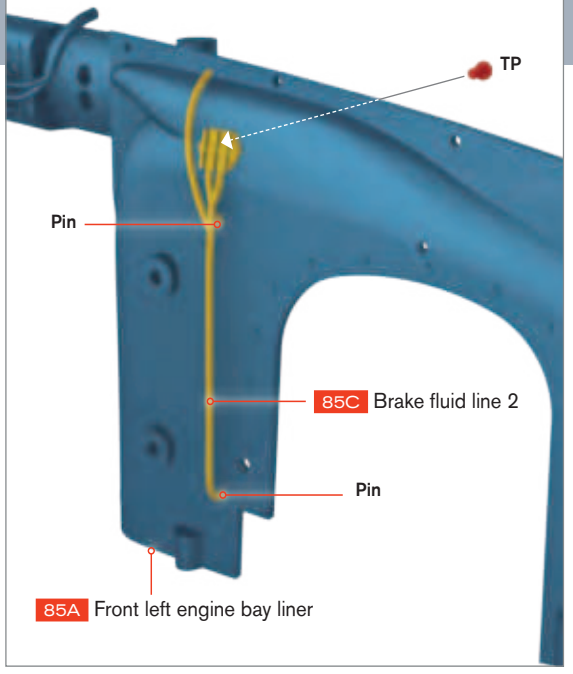
01 FITTING BRAKE FLUID LINE 1

Fit the notched pin on the back of brake fluid line 1 85B into the notched socket on the front left engine bay liner 85A in the position shown. Ensure that the two tubes are inserted into the elongated hole in the liner. Fix in place from behind with a **TP** screw.



02 FITTING BRAKE FLUID LINE 2

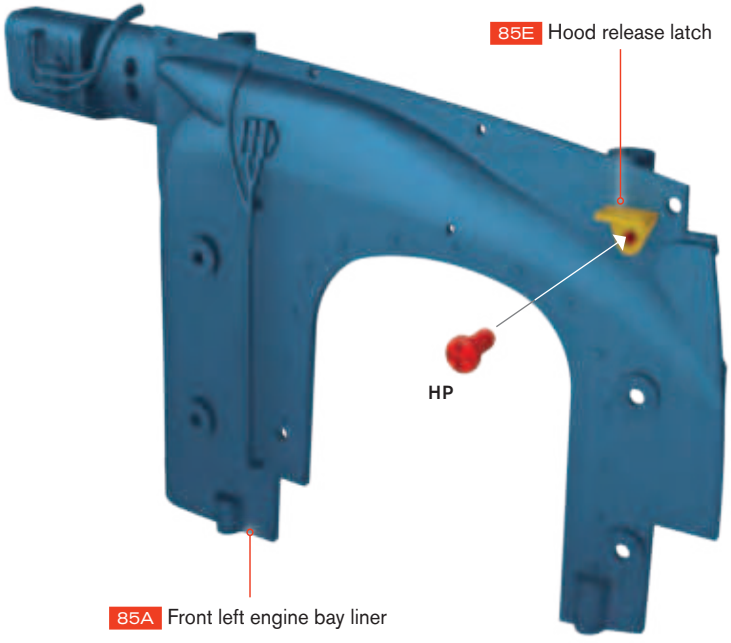
Fit the post on the back of brake fluid line 2 85C into its socket on the front left engine bay liner 85A in the position shown. Push the two pins on the back of the tube into their corresponding holes in the liner. Fix in place from behind with a **TP** screw.



Take care when fitting the wires and pipes, as they are fragile.

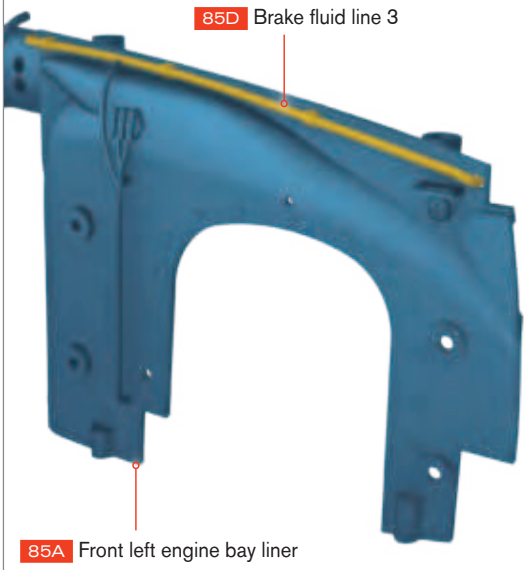
03 FITTING THE HOOD RELEASE LATCH

Fit the hood release latch 85E to the front left engine bay liner 85A in the position shown. Ensure that the pin on the back of the latch fits into its corresponding hole in the liner. Fix in place with an **HP** screw.



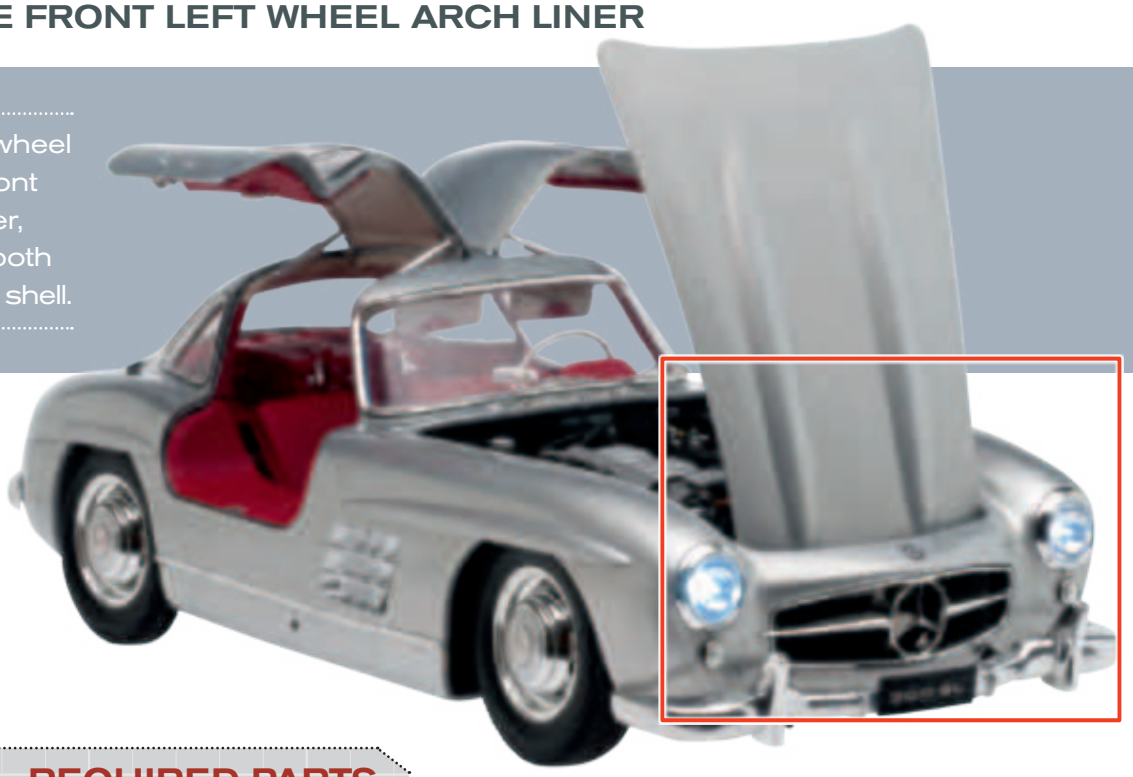
04 FITTING BRAKE FLUID LINE 3

Push the four pins on the brake fluid line 3 85D into the four corresponding holes along the top edge of the front left engine bay liner 85A, positioned as shown.



PHASE 86: **THE FRONT LEFT WHEEL ARCH LINER**

Join the front left wheel arch liner to the front left engine bay liner, then install them both into the main body shell.



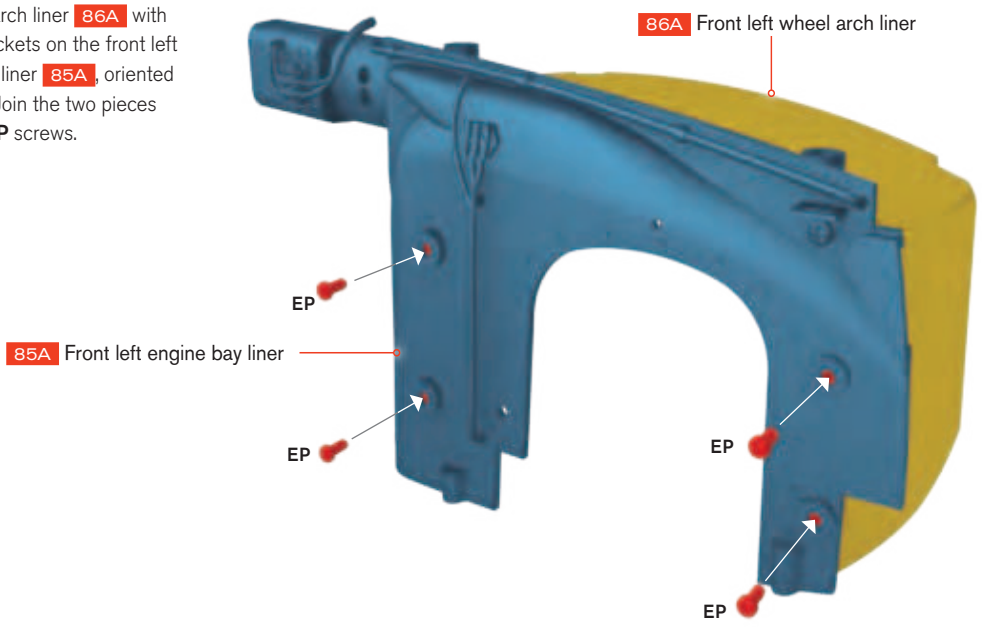
PHASE 86 – REQUIRED PARTS

Code	Name	Quantity	Material
86A	Front left wheel arch liner	1	ABS
CM	Screws 0.07 x 0.15in (2 x 4mm)	2 + 1*	Iron
EP	Screws 0.06 x 0.15in (1.7 x 4mm)	4 + 2*	Iron

* Replacement screws included

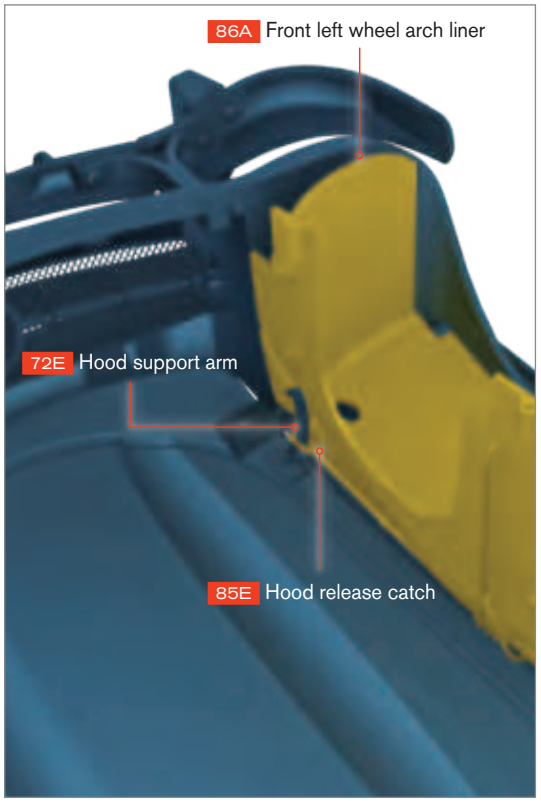
01 FITTING THE FRONT LEFT WHEEL ARCH LINER

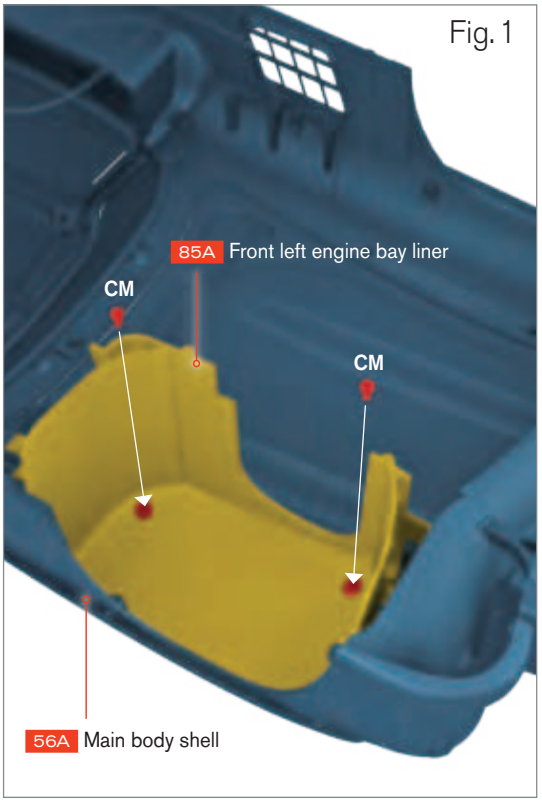
Align the posts on the front left wheel arch liner 86A with the four sockets on the front left engine bay liner 85A, oriented as shown. Join the two pieces with four **EP** screws.



02 FITTING THE FRONT LEFT WHEEL ARCH LINER

Position the liners into the wheel arch, as shown. Carefully pass the hood support arm 72E through the slot in the hood release catch. Then position the two sockets on the top of the wheel arch liner 86A over the two screw posts in the main body shell 56A. Ensure that the wires for the headlights run above the liner, out of sight. Fix in place with two **CM** screws, inserted through the two holes in the wheel arch liner (figure 1).





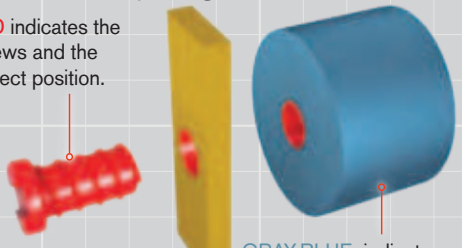
Work on a soft cloth to avoid scratching the body shell paintwork.

Fit the right engine bay tube to the front right engine bay liner.

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.

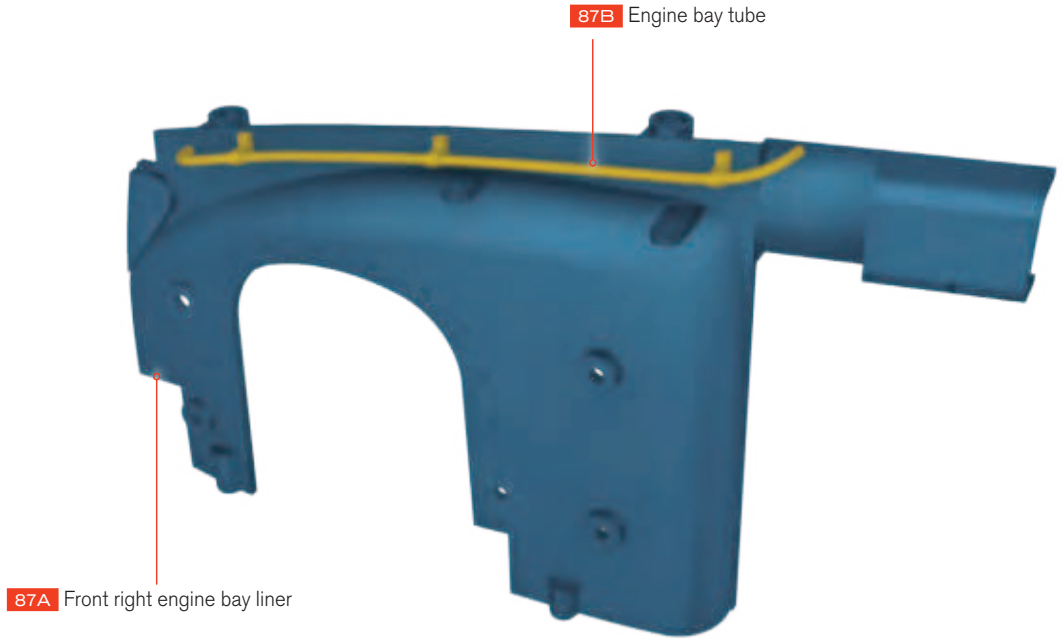
GRAY-BLUE indicates the modules on which the new parts should be assembled.

PHASE 87 – REQUIRED PARTS

Code	Name	Quantity	Material
87A	Front right engine bay liner	1	ABS
87B	Engine bay tube	1	ABS

01 FITTING THE ENGINE BAY TUBE

Push the three pins on the engine bay tube 87B into the corresponding three holes in the top edge of the front right engine bay liner 87A, oriented as shown.



Take care when fitting the tube as it is fragile.

In the next phase you will fit the front right wheel arch liner. Then in phases 89-90 you will fit the rear wheel arch liners.

PHASE 88: **THE FRONT RIGHT WHEEL ARCH LINER**

Join the front right wheel arch liner to the front right engine bay liner, then install them both into the main body shell.

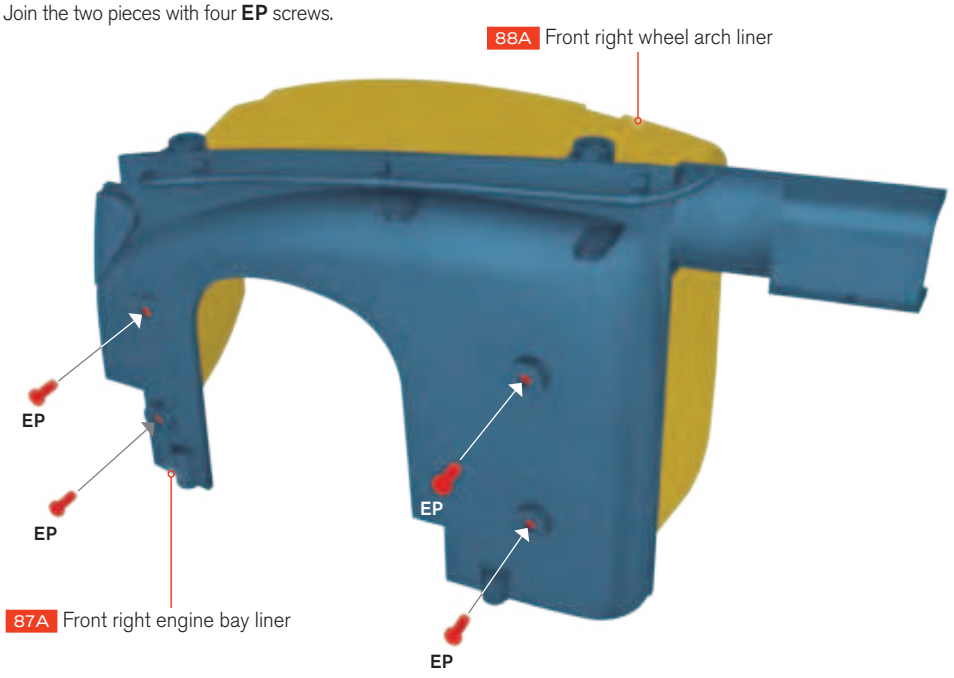
PHASE 88 – REQUIRED PARTS

Code	Name	Quantity	Material
88A	Front right wheel arch liner	1	ABS
CM	Screws 0.07 x 0.15in (2 x 4mm)	2 + 1*	Iron
EP	Screws 0.06 x 0.15in (1.7 x 4mm)	4 + 2*	Iron

* Replacement screws included

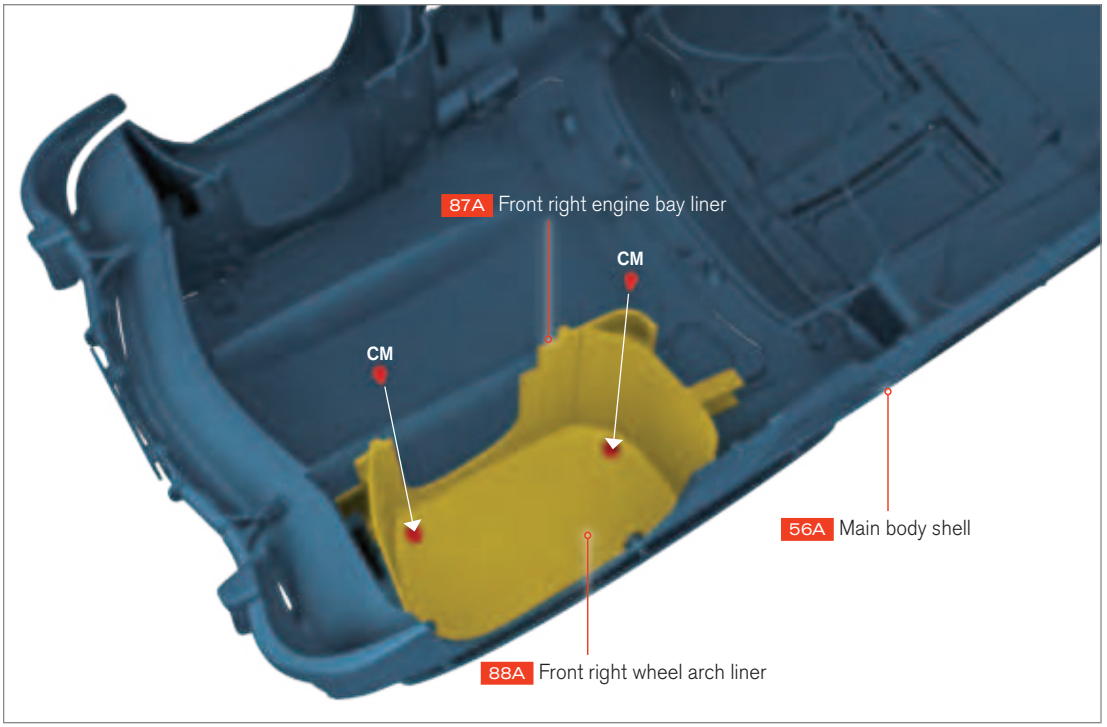
01 INSTALLING THE FRONT RIGHT WHEEL ARCH LINER

Align the posts on the front right wheel arch liner 88A with the four sockets on the front right engine bay liner 87A, oriented as shown. Join the two pieces with four **EP** screws.



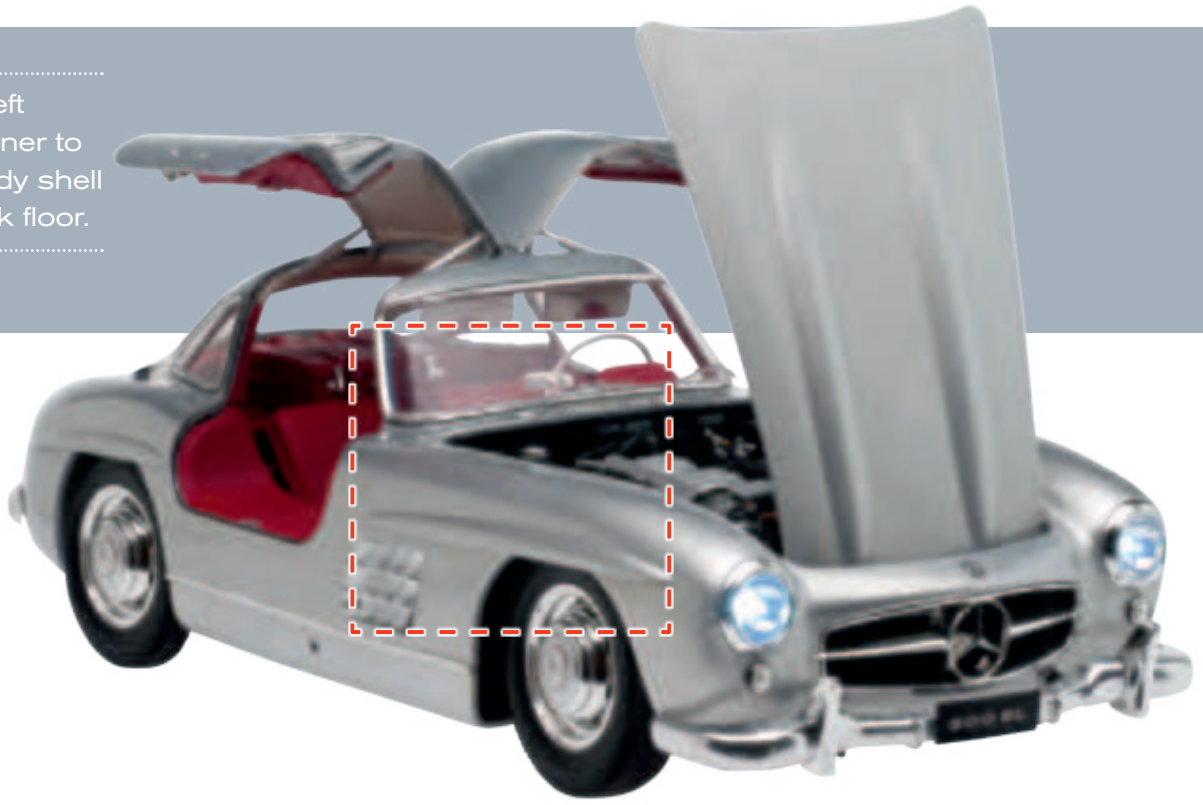
02 INSTALLING THE FRONT RIGHT ENGINE BAY LINER

Position the liners into the wheel arch, as shown. Then position the two sockets on the top of the wheel arch liner 88A, over the two screw posts in the main body shell 56A. Ensure that the wires for the headlights run above the liner, out of sight. Fix in place with two **CM** screws, inserted through the two holes in the wheel arch liner.



Work on a soft cloth to avoid scratching the body shell paintwork.

Fit the rear left wheel arch liner to the main body shell and the trunk floor.



PHASE 89 – REQUIRED PARTS

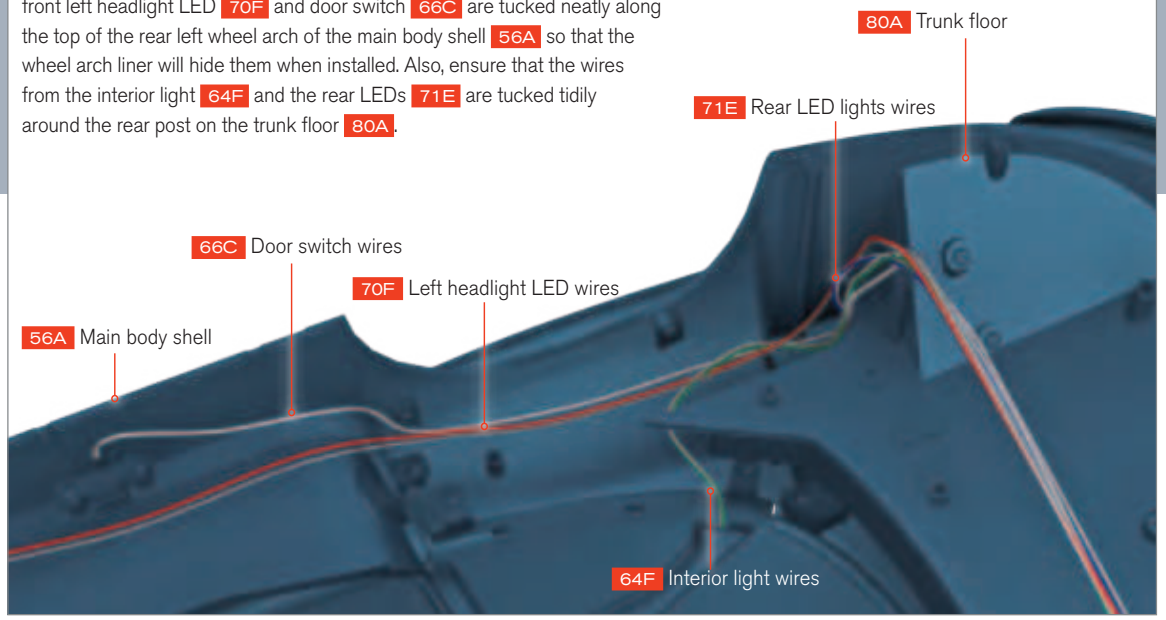
Code	Name	Quantity	Material
89A	Rear left wheel arch liner	1	ABS
CM	Screws 0.07 x 0.15in (2 x 4mm)	2 + 1*	Iron
HP	Screws 0.07 x 0.15in (2 x 4mm)	2 + 1*	Iron

* Replacement screws included

89A

01 TIDYING THE WIRES

With the main body shell upside down, ensure that the wires from the front left headlight LED 70F and door switch 66C are tucked neatly along the top of the rear left wheel arch of the main body shell 56A so that the wheel arch liner will hide them when installed. Also, ensure that the wires from the interior light 64F and the rear LEDs 71E are tucked tidily around the rear post on the trunk floor 80A.



02 INSTALLING THE REAR LEFT WHEEL ARCH LINER

Fit the rear left wheel arch liner 89A over the two posts at the top of the rear left wheel arch of the main body shell 56A, ensuring that the wires run behind the posts. Fix it in place with two **CM** screws. Then fix the inside of the liner to the two posts on the underside of the trunk floor 80A with two **HP** screws (figure 1).

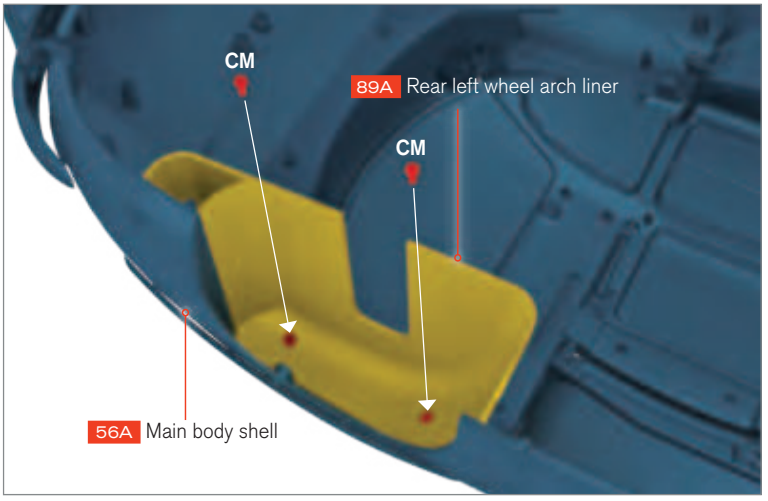
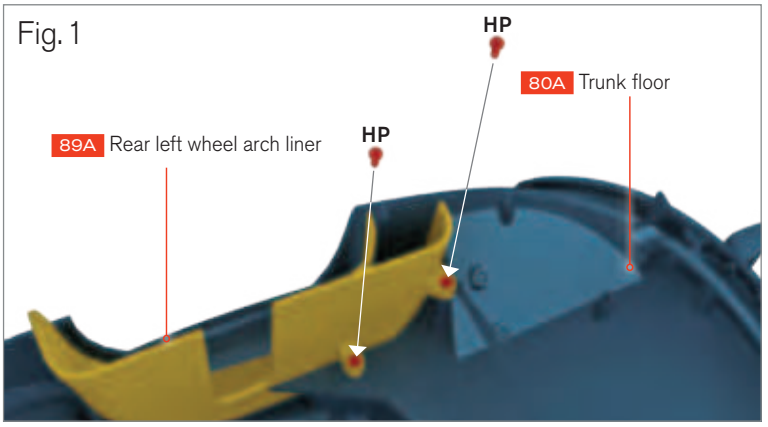


Fig. 1



Work on a soft cloth to avoid scratching the paintwork.

PHASE 90: THE REAR RIGHT WHEEL ARCH LINER

Fit the rear right wheel arch liner to the main body shell and the trunk floor, then secure and connect all the wiring and fix the main body shell to the main chassis.

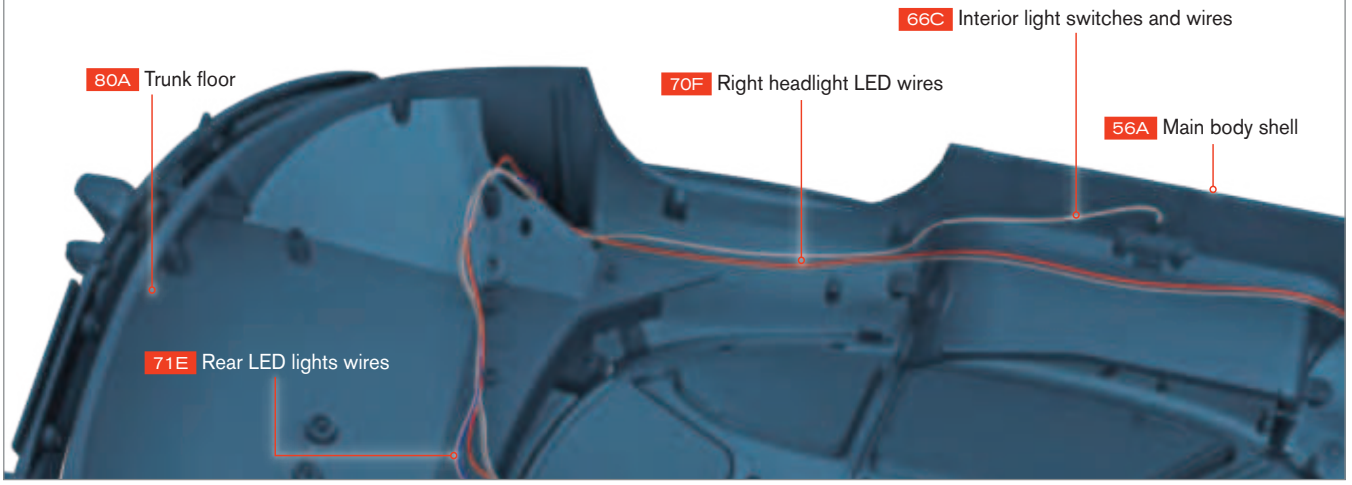
PHASE 90 – REQUIRED PARTS

Code	Name	Quantity	Material
90A	Rear right wheel arch liner	1	ABS
90B	Cable clip	2	ABS
90C	Cable tie	1	Nylon
CM	Screws 0.07 x 0.15in (2 x 4mm)	4 + 1*	Iron
HP	Screws 0.07 x 0.15in (2 x 4mm)	4 + 2*	Iron
PP	Screws 0.10 x 0.15in (2.6 x 4mm)	4 + 2*	Iron

* Replacement screws included

01 TIDYING THE WIRES

Turn the main body shell upside down. Ensure that the wires from the front right headlight 70F and interior light switch 66C are tucked neatly along the top of the rear right wheel arch so that the wheel arch liner will hide them when fitted. Also, ensure that the wires from the rear lights 71E are tucked tidily around the rear post on the trunk floor 80A.



02 INSTALLING THE REAR RIGHT WHEEL ARCH LINER

Fit the rear right wheel arch liner 90A over the two posts at the top of the rear right wheel arch of the main body shell 56A, ensuring that the wires run behind the posts. Fix it in place with two **CM** screws. Then fix the inside of the liner to the two posts on the underside of the trunk floor 80A with two **HP** screws (figure 1).

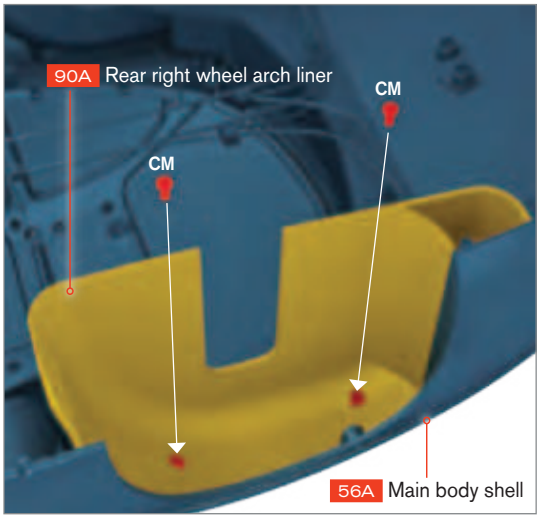
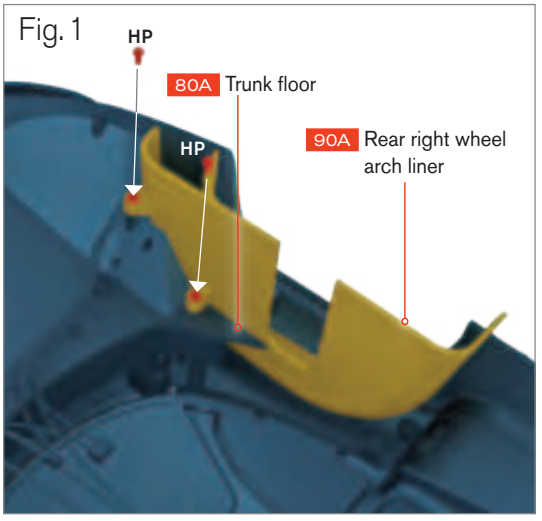


Fig. 1



03 FITTING THE CABLE CLIPS

Fit one of the cable clips 90B over all the wires on the left side of the model and use an **HP** screw to secure the clip to the left side of the trunk floor 80A in the position shown. Repeat to fit the second cable clip 90B over the wires on the right side and fix it with an **HP** screw (figure 1).

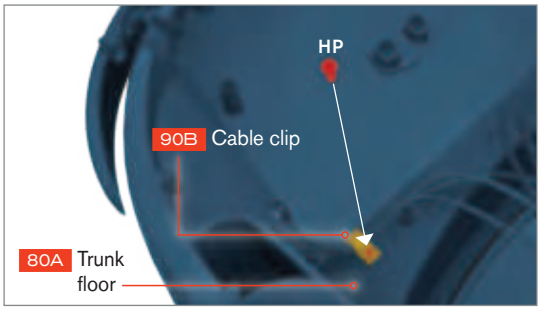
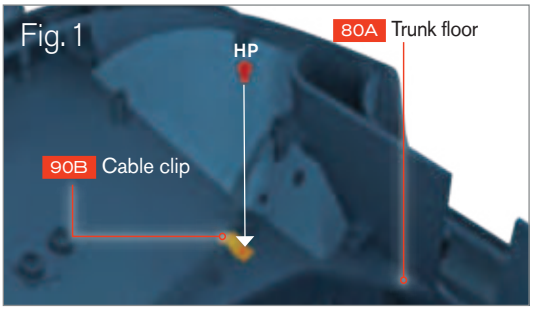
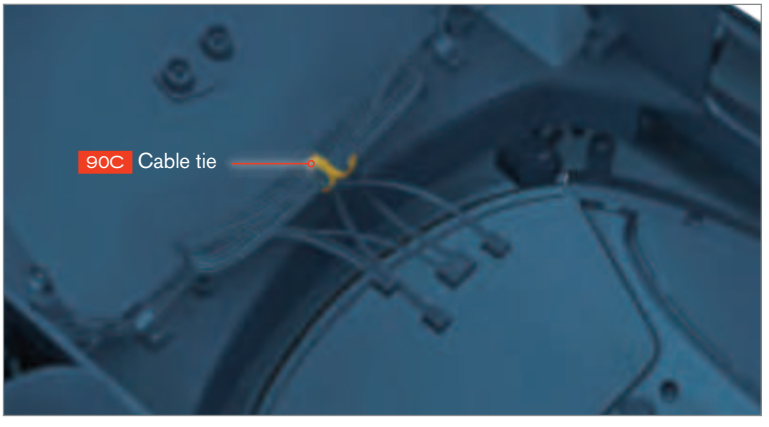


Fig. 1



04 USING THE CABLE TIE

Gather together all the wires at the center and strap them in a neat bunch using the cable tie 90C.



Work on a soft cloth to avoid scratching the paintwork.

05 FITTING THE CHASSIS INTO THE BODY SHELL

CAUTION: This is a delicate operation do not use too much force, to avoid breaking fragile parts.

With all the parts upside down, take the chassis assembly that you completed at phase 51 and lower it very carefully into the body shell. Handle it by holding the metal parts, and following these steps, in order:

First, gently slide the front end of the main chassis 14A and engine assembly into the engine bay of the body shell. As you carefully lower the engine into position, ensure that all its delicate attachments fit inside the engine bay liners 85A and 87A.

Note: It might help to gently bend the engine bay liners outwards at the same time as you lower the main chassis into position.

Then, lower the rear end of the main chassis 14A into the main body shell 56A. Ensure that the red luggage compartment outer panel 43A inserts just above the rear wheel arch liners 89A and 90A.

Note: It might help to gently bend the rear wheel arch liners outwards at the same time as you insert the rear end of the chassis. Ensure that no wires are trapped between the fixing tabs and the trunk floor, and that the cables are all long enough for the plugs to reach their sockets on the control circuit board 51A (figure 1).

When you are sure that the chassis is properly seated inside the body shell, position the two front connecting flanges over their corresponding screw posts. Fix them in place with two **CM** screws in the positions shown (figure 2). Locate the rear of the chassis into place over the four screw posts in the floor of the trunk 80A and fix it into place with four **PP** screws (figure 3).

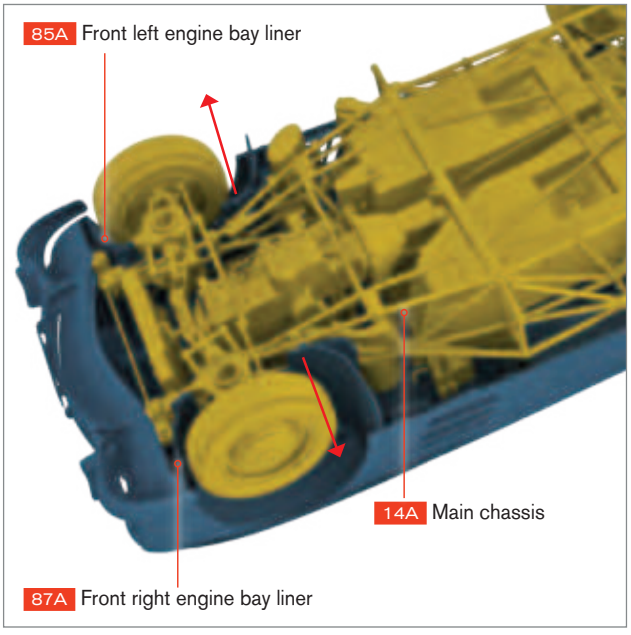


Fig. 1

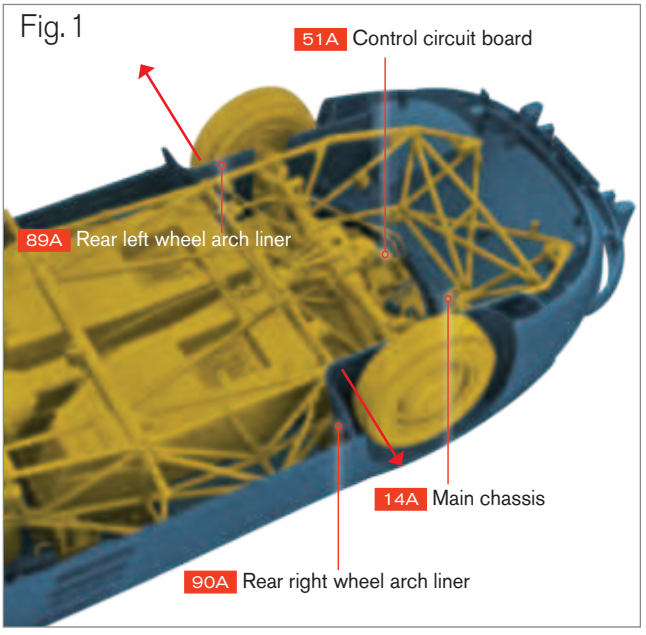


Fig. 2

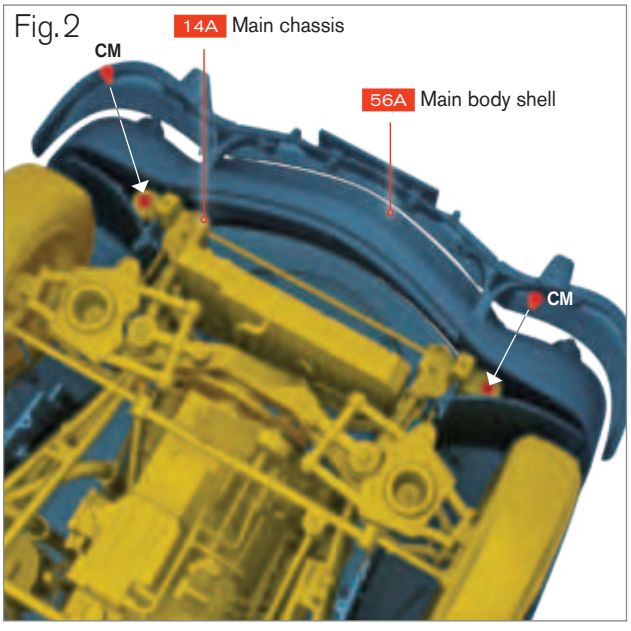
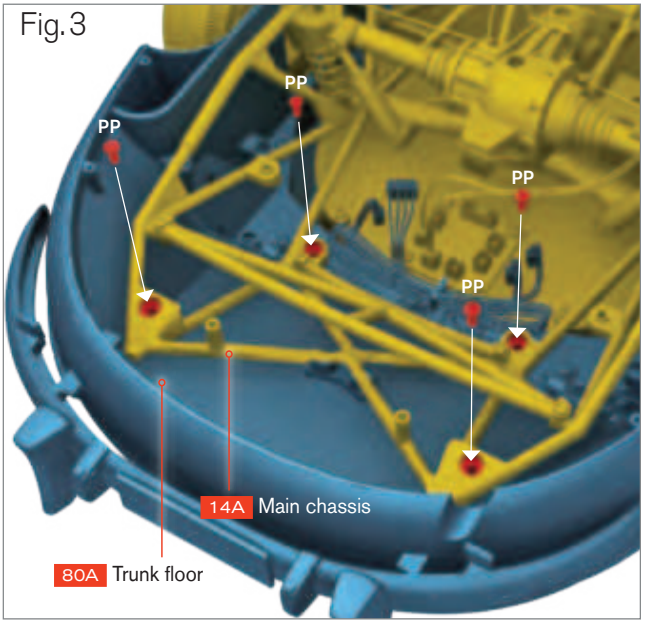
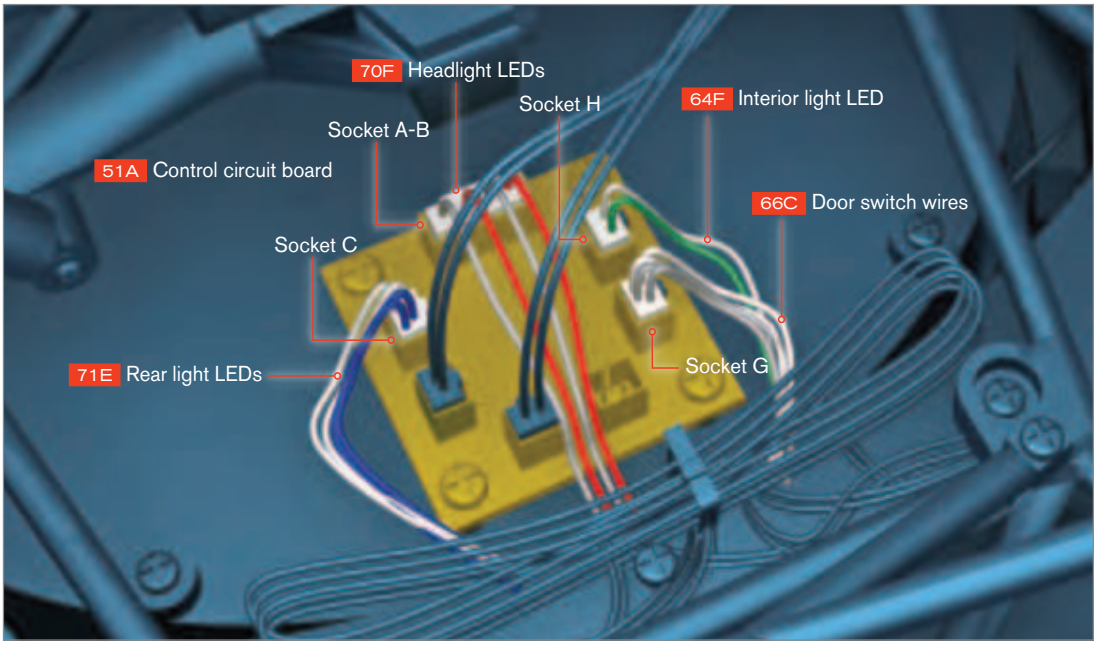


Fig. 3



06 CONNECTING THE WIRES

Now plug all the wires into the control circuit board 51A in the following order:
Plug the grey and white wires from the door switch wires 66C into socket G.
Plug the red and grey wires from the headlight LEDs 70F into the 4-pin socket A-B.
Plug the blue and white wires from the rear light LEDs 71E into socket C.
Plug the green and white wires from the interior light LED 64F into socket H.



07 FITTING THE FRONT BRAKE LINES

Using tweezers, push the free end of the front left brake pipe 02D coming from the brake support plate into the hole in the front left engine bay liner 85A in the position shown. Then push the free end of the front right brake pipe 21D coming from the brake backplate into the hole in the front right engine bay liner 87A in the position shown (figure 1).

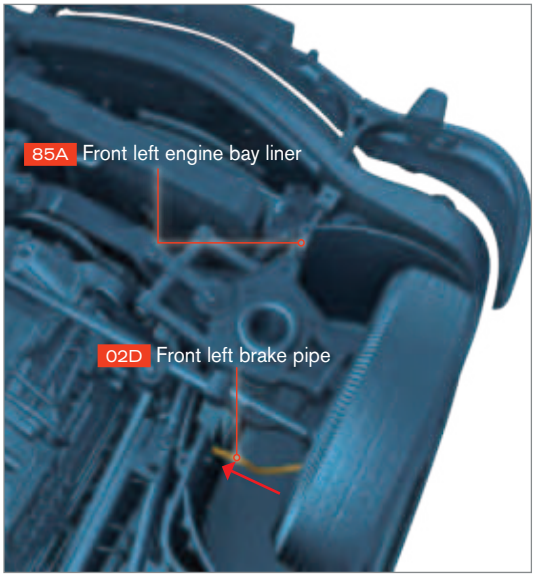
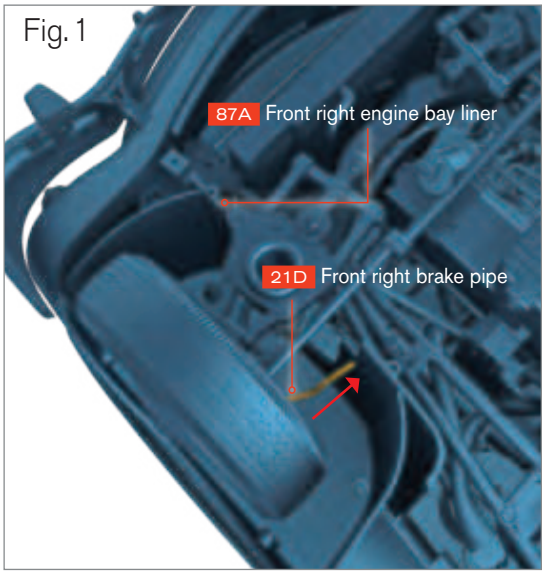


Fig. 1

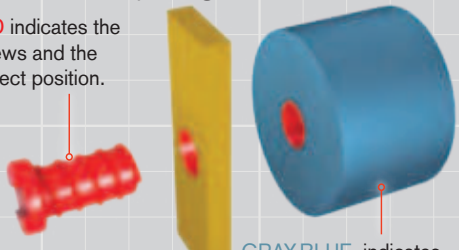


Install the 2 x 1.5-volt AA battery box, which replaces the fuel tank in this model.

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.

PHASE 91 – REQUIRED PARTS

Code	Name	Quantity	Material
91A	Battery box (2 x AA size 1.5-volt)	1	ABS
91B	Battery box lid	1	ABS
MM	Screws 0.09 x 0.15in (2.3 x 4mm)	2 + 1*	Iron
MP	Screws 0.09 x 0.15in (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.

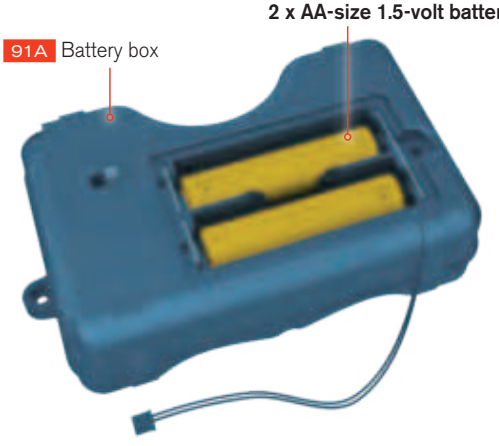
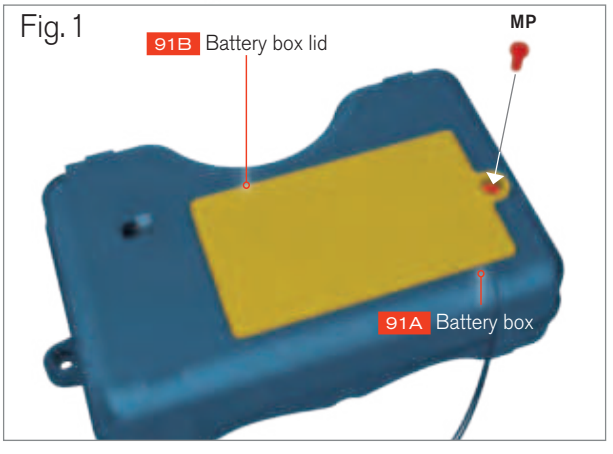
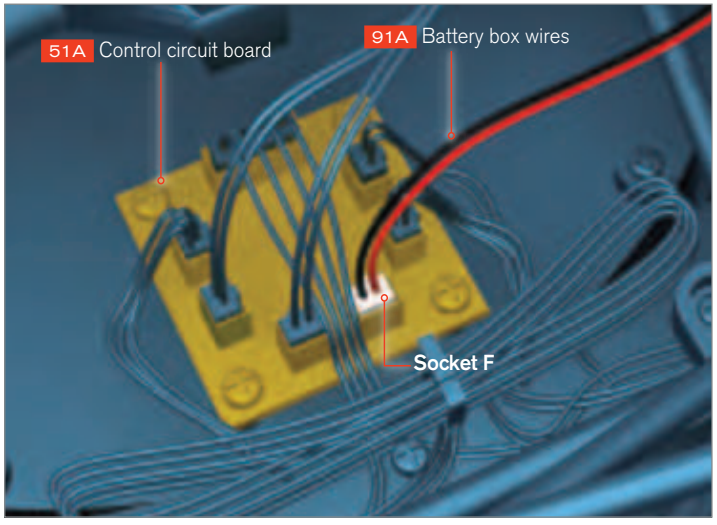


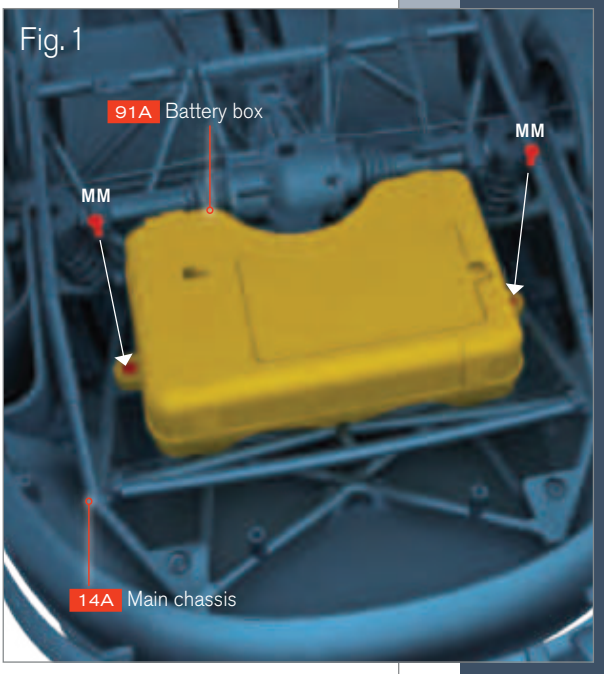
Fig. 1



02 FITTING THE BATTERY BOX

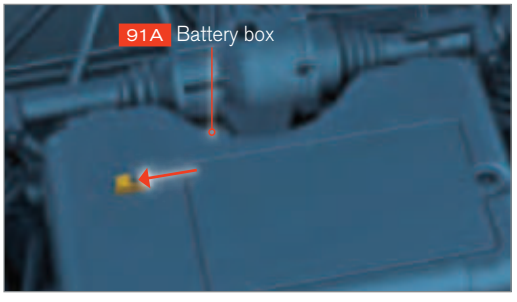
Plug the red and black wires coming from the battery box into socket F on the control circuit board 51A. Then fix the battery box 91A over the two tabs at the rear of the main chassis 14A, ensuring that the wires are neatly tucked behind the box. Hold it in place with two **MM** screws (figure 1).

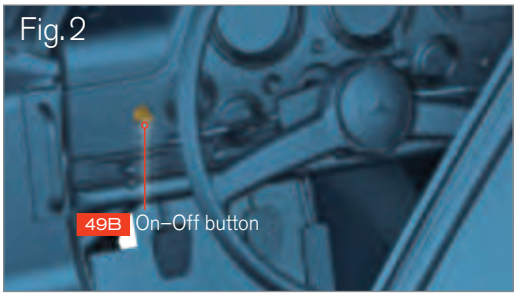


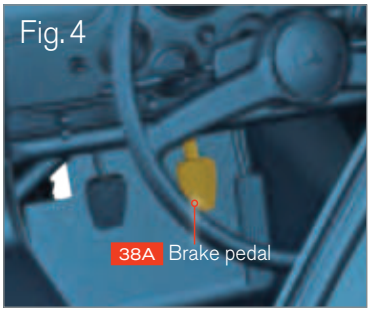


03 CHECKING THE LIGHTS

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



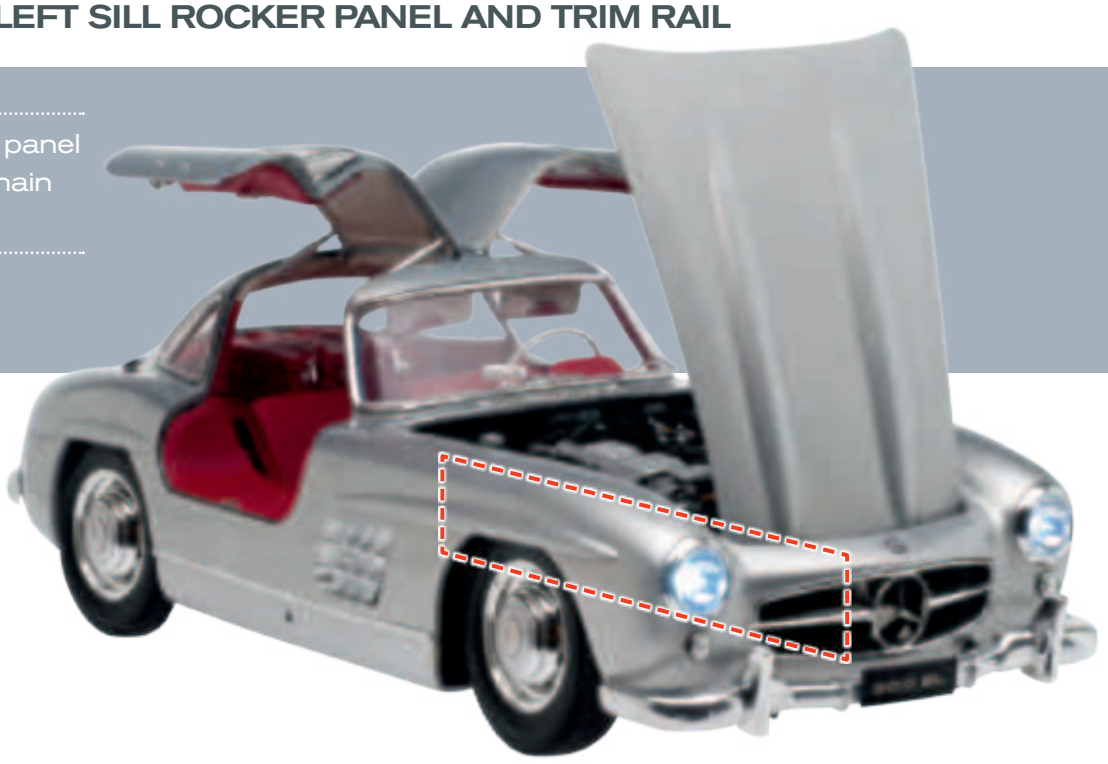




It is best to remove the batteries from the battery box if you are not going to use the lights for a long period.

PHASE 92: **THE LEFT SILL ROCKER PANEL AND TRIM RAIL**

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



PHASE 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

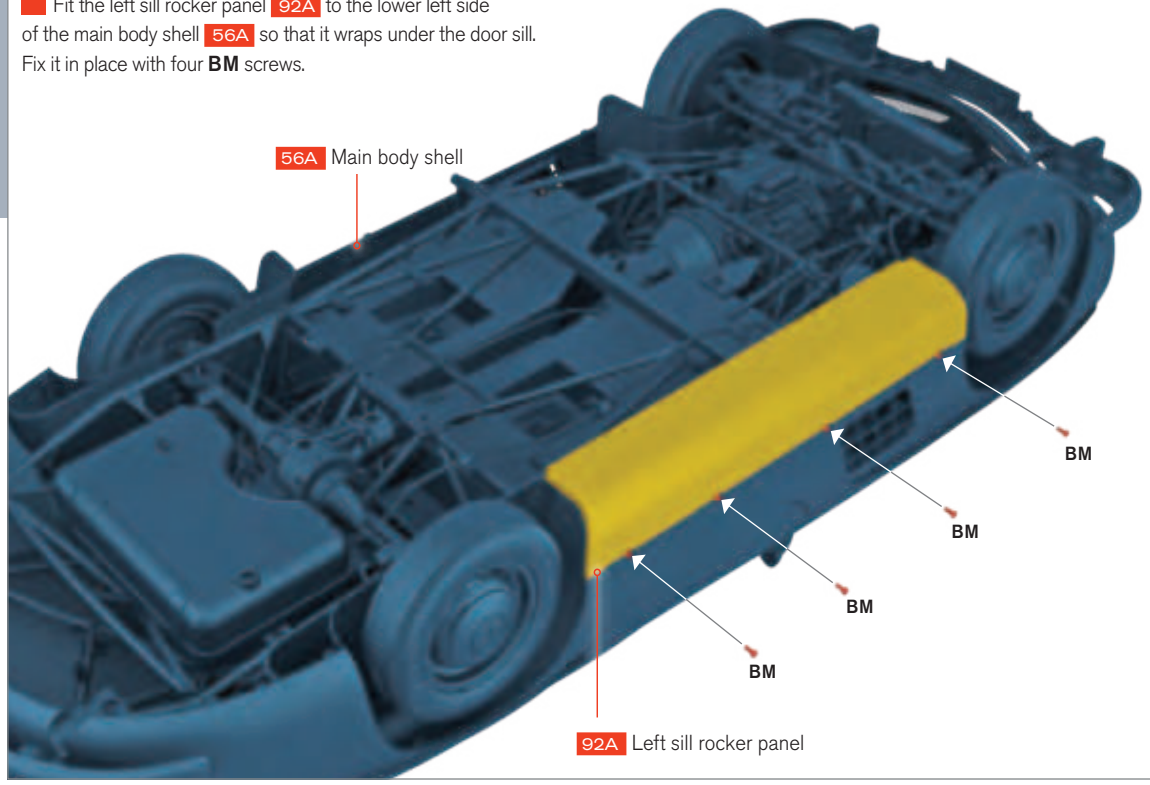
* Replacement screws included

92A

92B

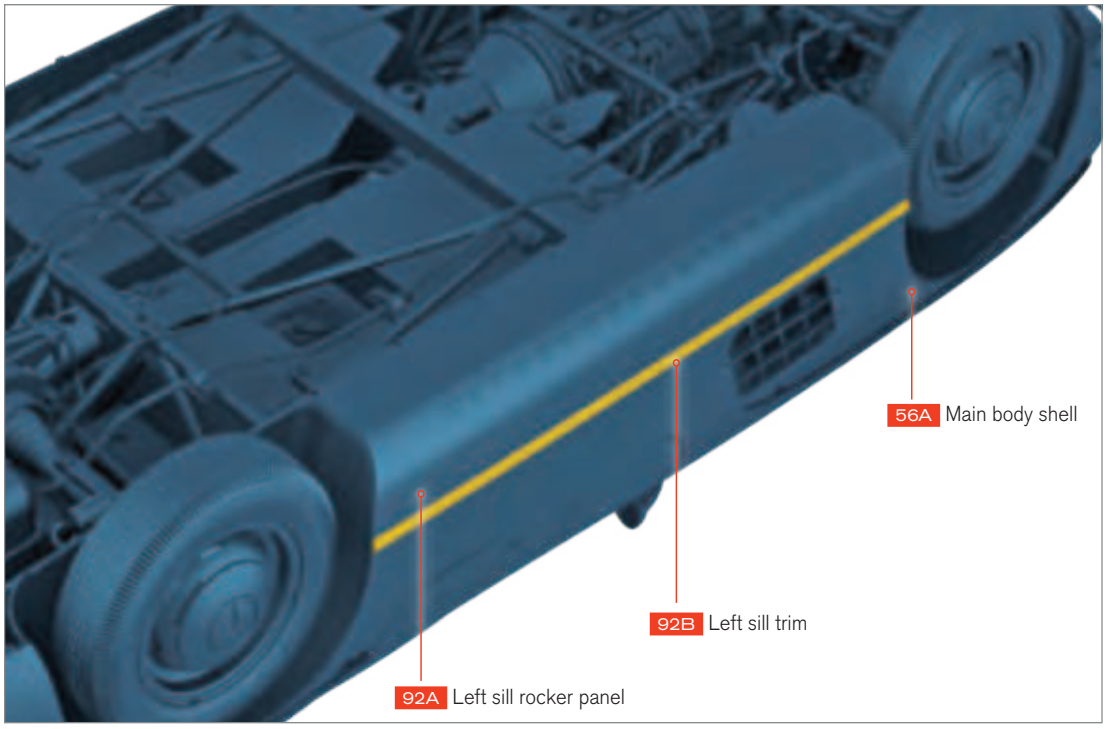
01 FITTING THE LEFT SILL ROCKER PANEL

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.



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.



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

PHASE 93: **THE RIGHT SILL ROCKER PANEL AND TRIM**

Fit the right sill rocker panel and sill trim.

PHASE 93 – REQUIRED PARTS

Code	Name	Quantity	Material
93A	Right sill rocker panel	1	Zinc
93B	Right sill trim	1	ABS
BM	Screws 0.06 x 0.15in (1.7 x 4mm)	4 + 2*	Iron

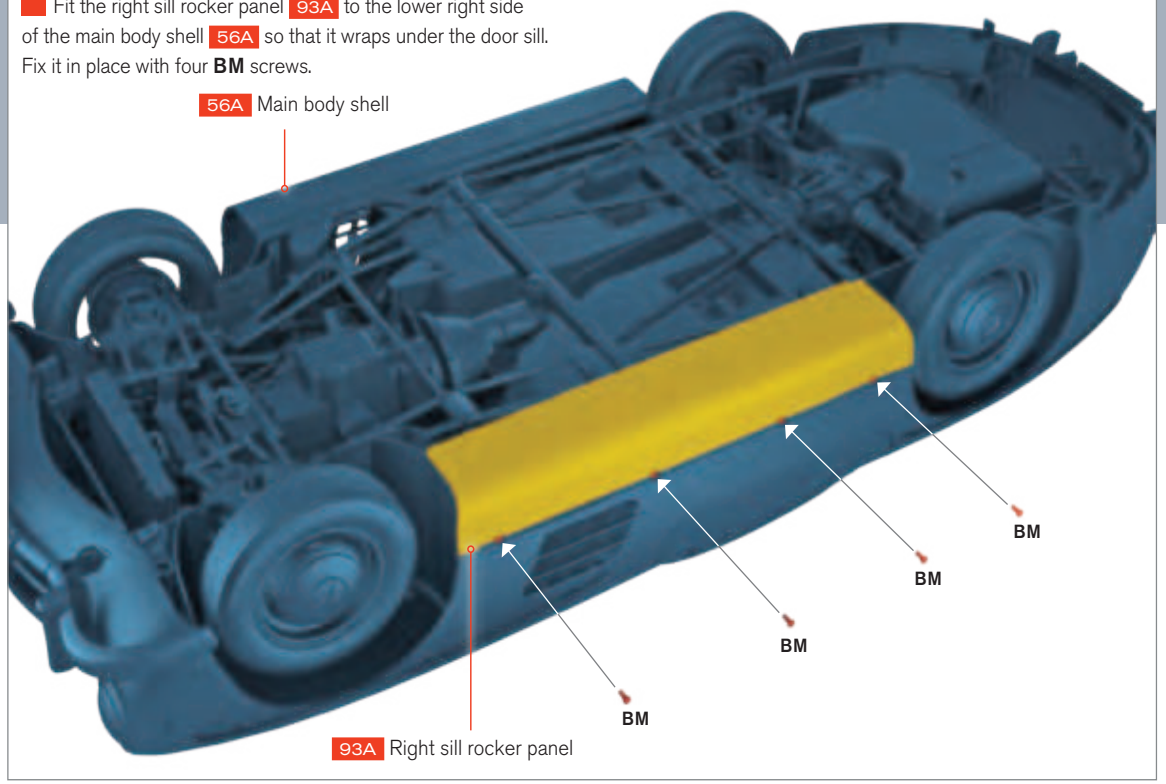
* Replacement screws included

93A

93B

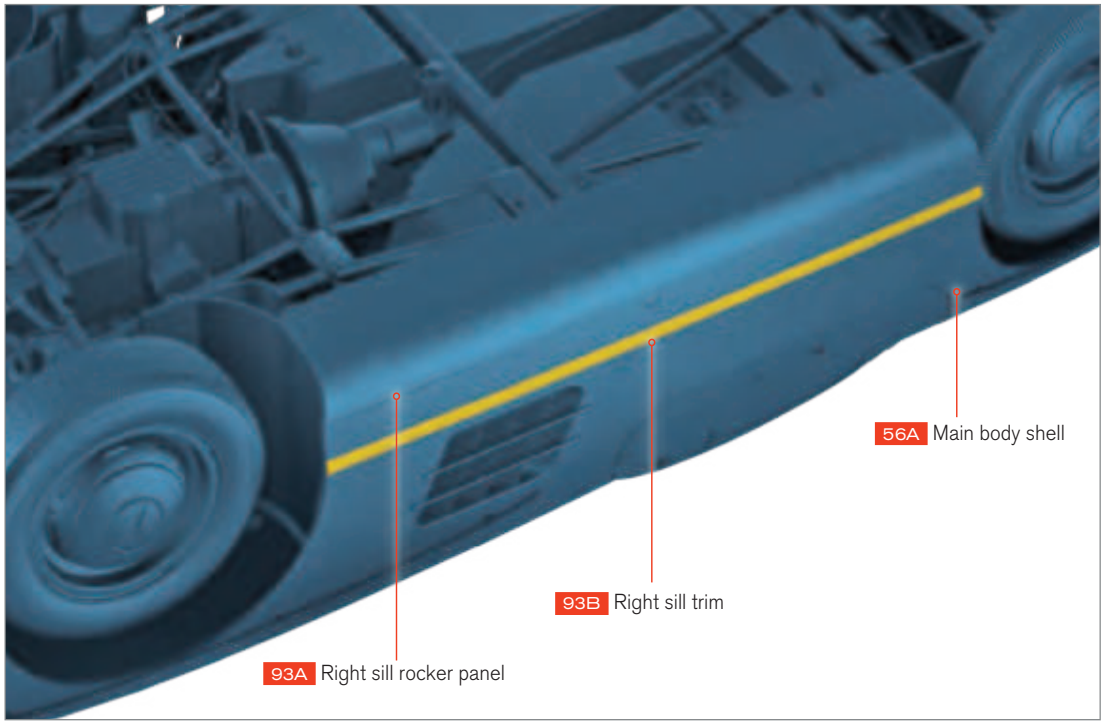
01 FITTING THE RIGHT SILL ROCKER PANEL

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.



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.



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

Fit the front undertray beneath the car.

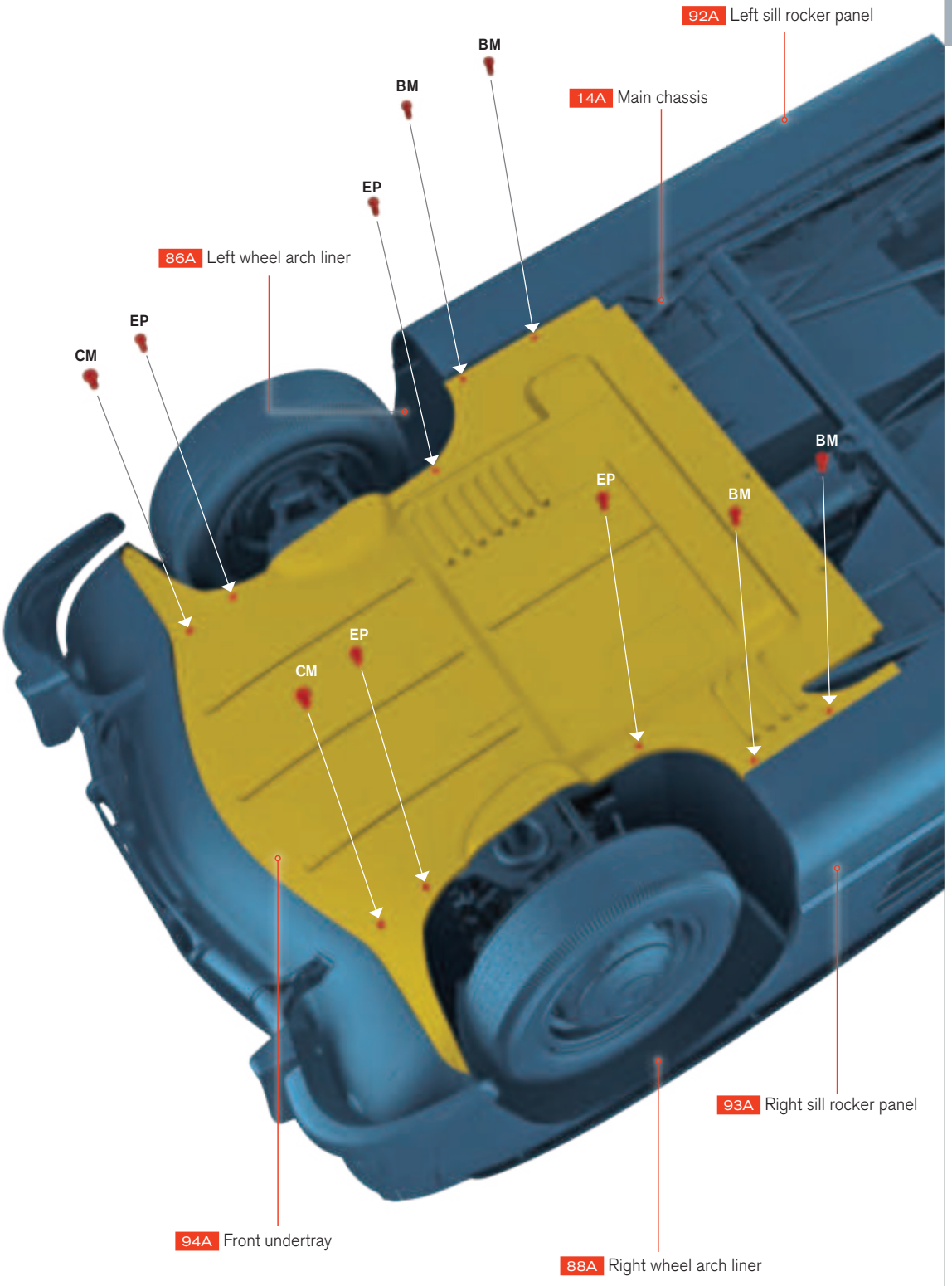
PHASE 94 – REQUIRED PARTS

Code	Name	Quantity	Material
94A	Front undertray	1	ABS
BM	Screws 0.06 x 0.15in (1.7 x 4mm)	4 + 2*	Iron
CM	Screws 0.07 x 0.15in (2 x 4mm)	2 + 1*	Iron
EP	Screws 0.06 x 0.15in (1.7 x 4mm)	4 + 2*	Iron

* Replacement screws included

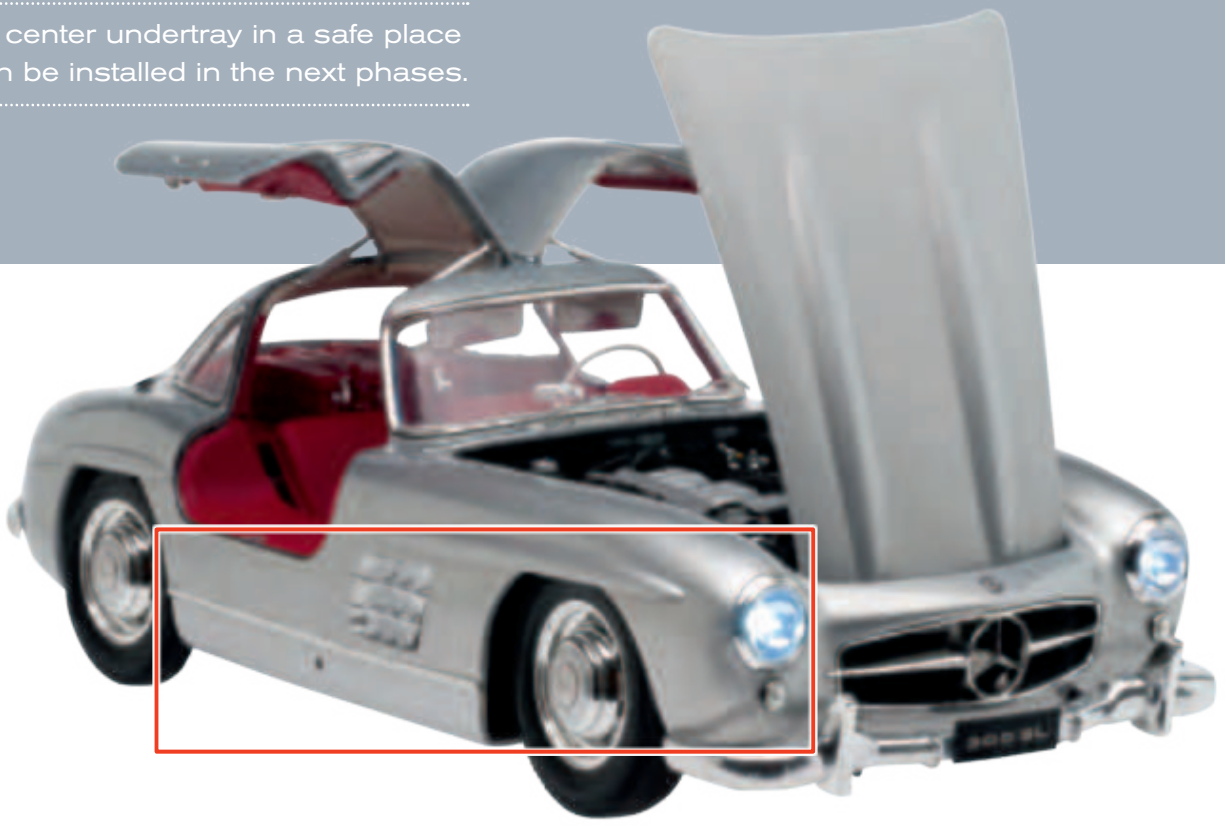
01 FITTING THE FRONT UNDERTRAY

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.

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



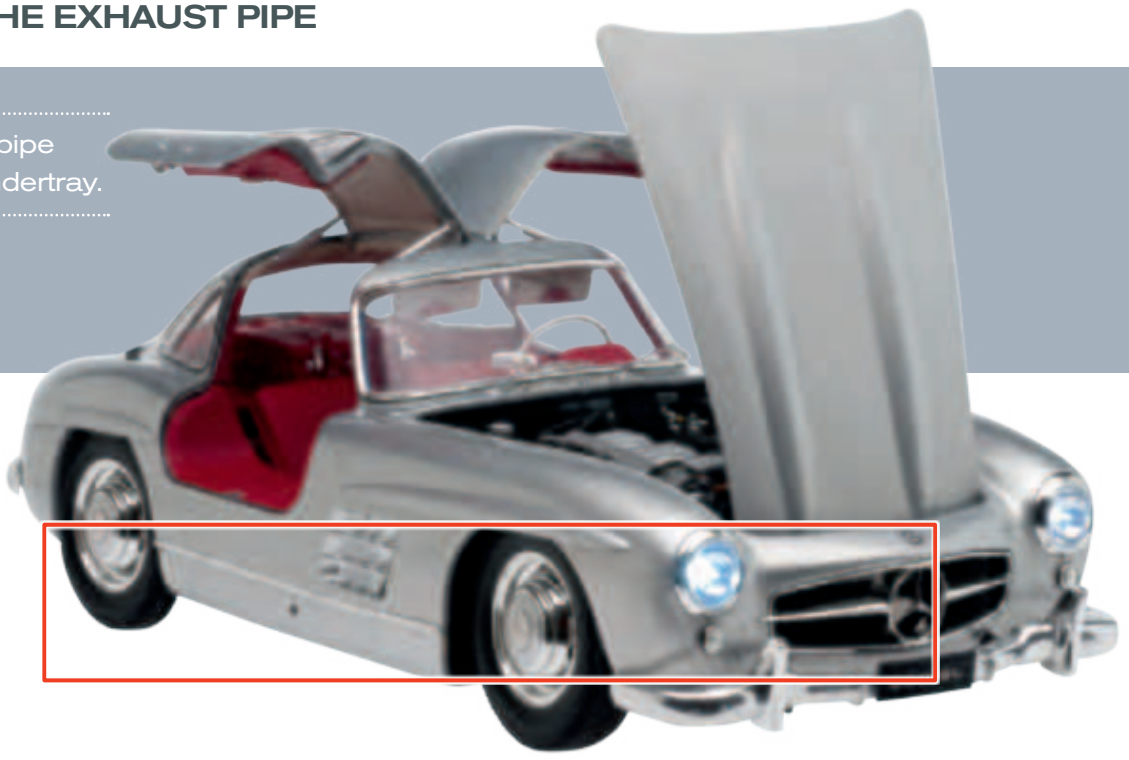
PHASE 95 – REQUIRED PARTS

Code	Name	Quantity	Material
95A	Center undertray	1	ABS

95A

In phases 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.

Fit the exhaust pipe to the center undertray.



PHASE 96 – REQUIRED PARTS

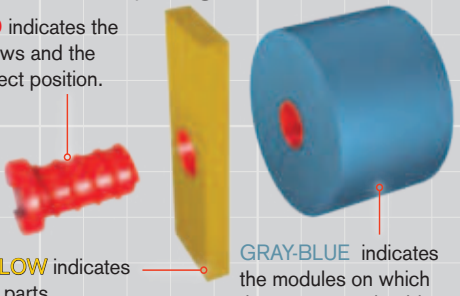
Code	Name	Quantity	Material
96A	Exhaust pipe	1	ABS
DP	Screws 0.06 x 0.11 x 0.17in (1.7 x 3 x 4.5mm)	1 + 1*	Iron

* 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.

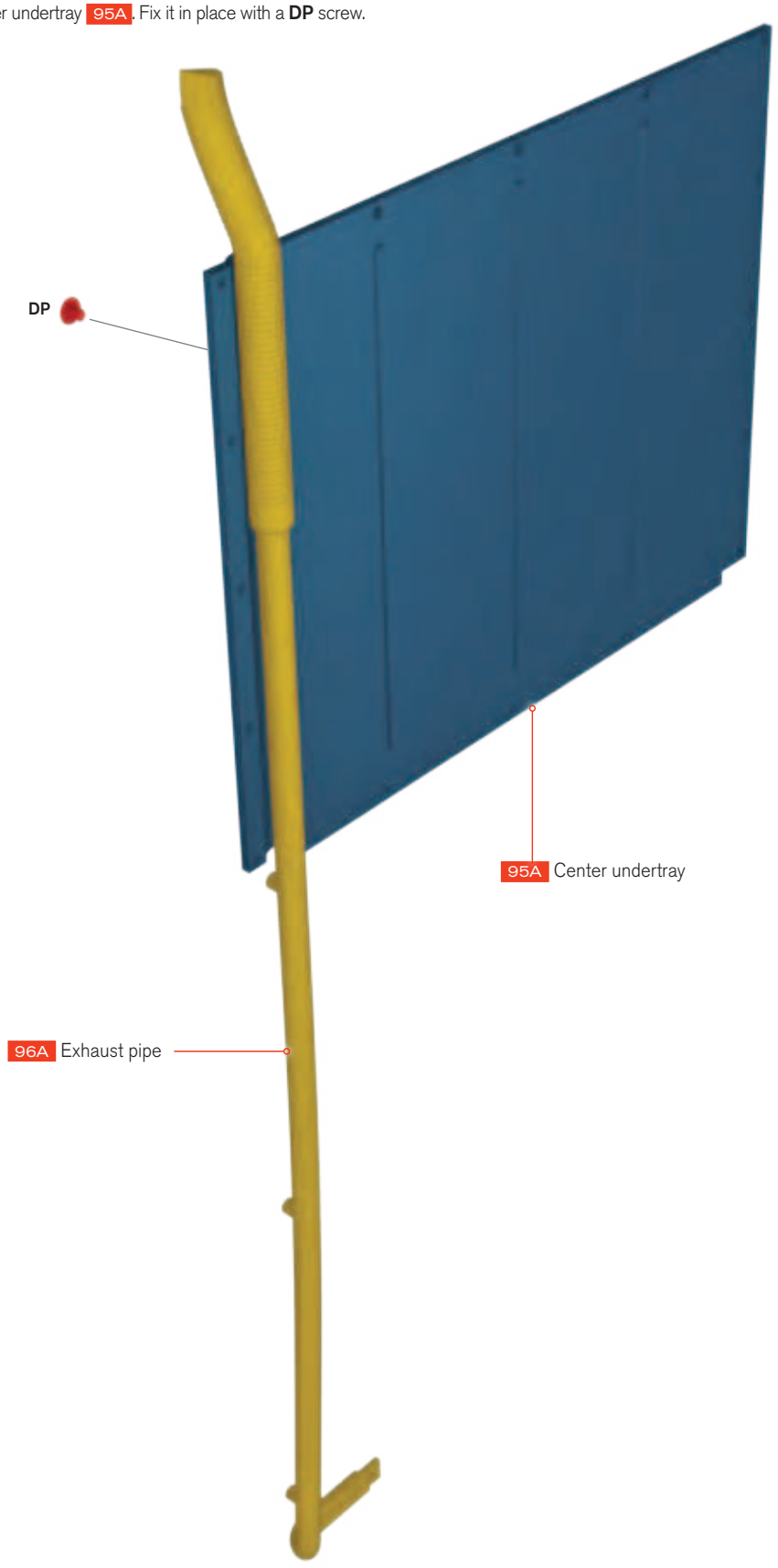


YELLOW indicates new parts.

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.



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

PHASE 97 – REQUIRED PARTS

Code	Name	Quantity	Material
97A	Rear undertray	1	ABS
97B	Muffler top	1	ABS
97C	Exhaust tailpipe	1	ABS
BM	Screws 0.06 x 0.15in (1.7 x 4mm)	14 + 5*	Iron
DP	Screws 0.06 x 0.11 x 0.17in (1.7 x 3 x 4.5mm)	3 + 2*	Iron
EP	Screws 0.06 x 0.15in (1.7 x 4mm)	7 + 3*	Iron
KP	Screws 0.07 x 0.23in (2 x 6mm)	1+ 1*	Iron
MM	Screws 0.09 x 0.15in (2.3 x 4mm)	2 + 1*	Iron

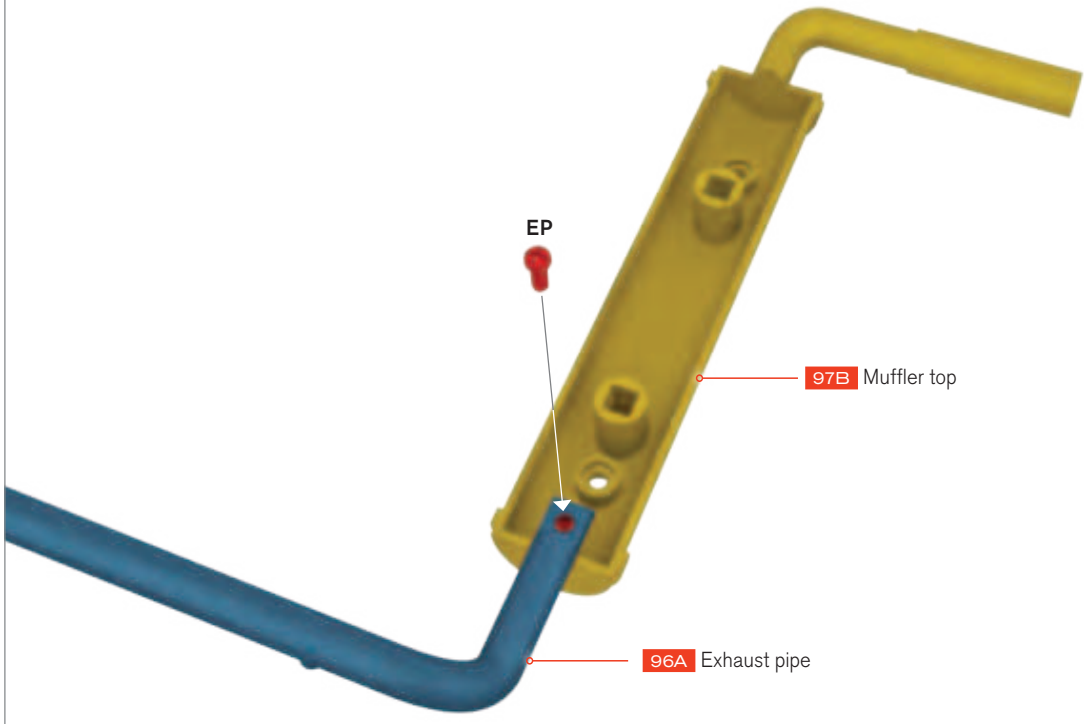
* Replacement screws included

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).

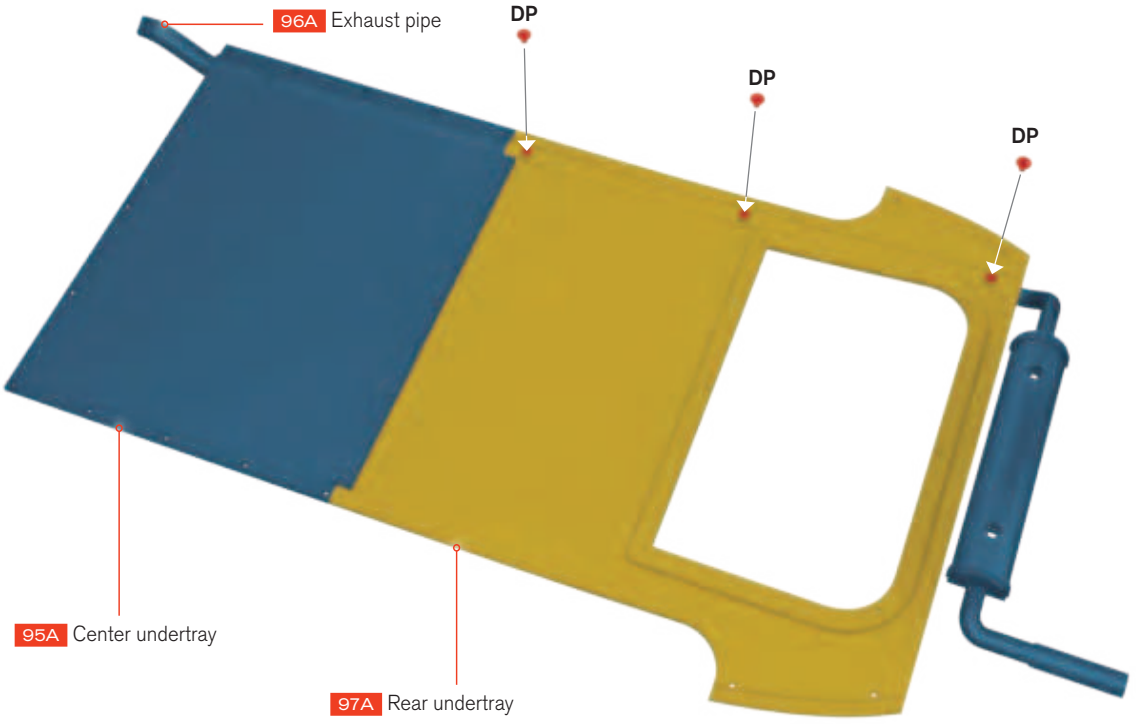
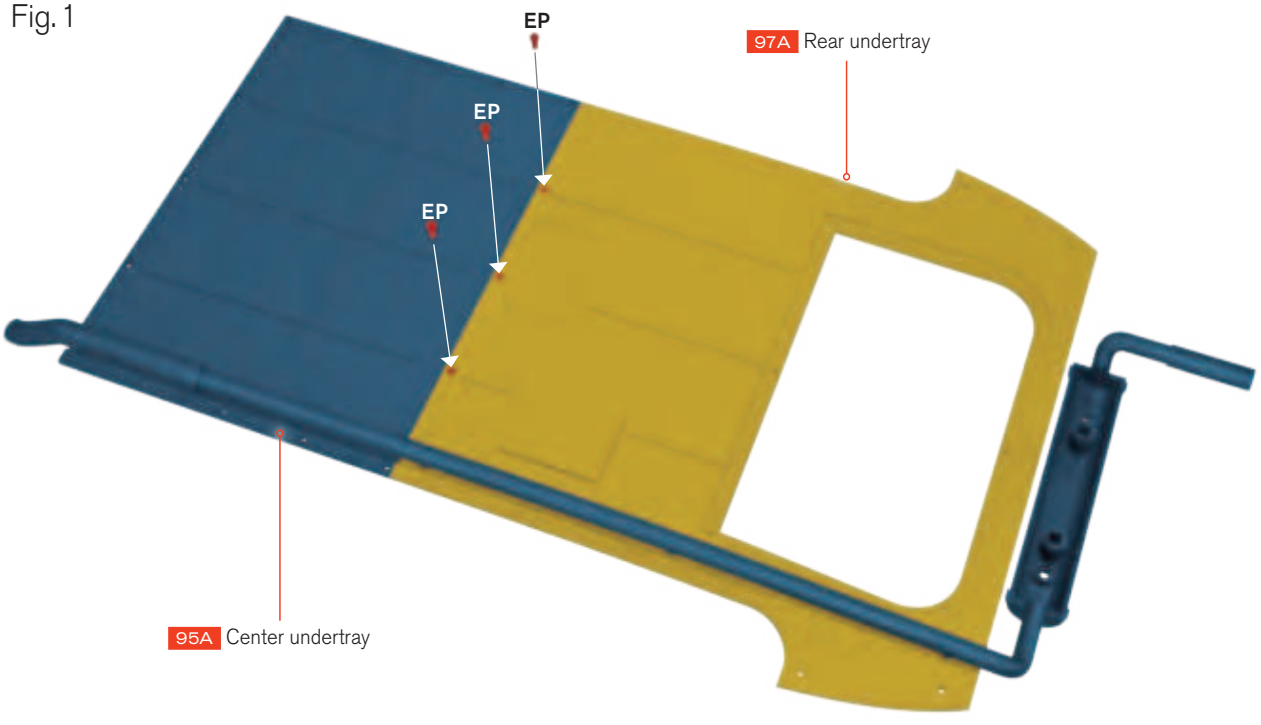
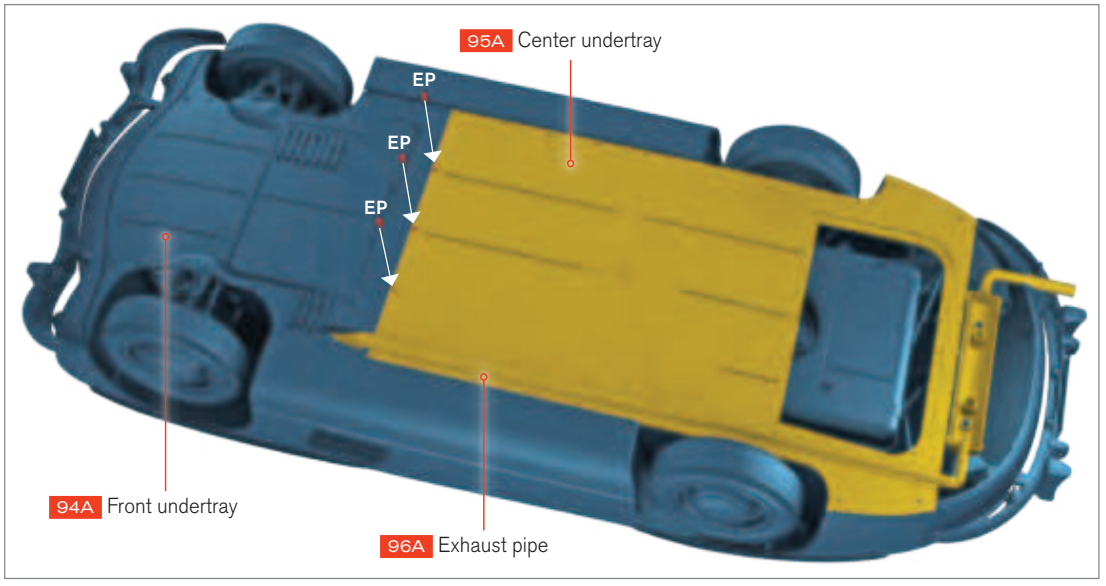


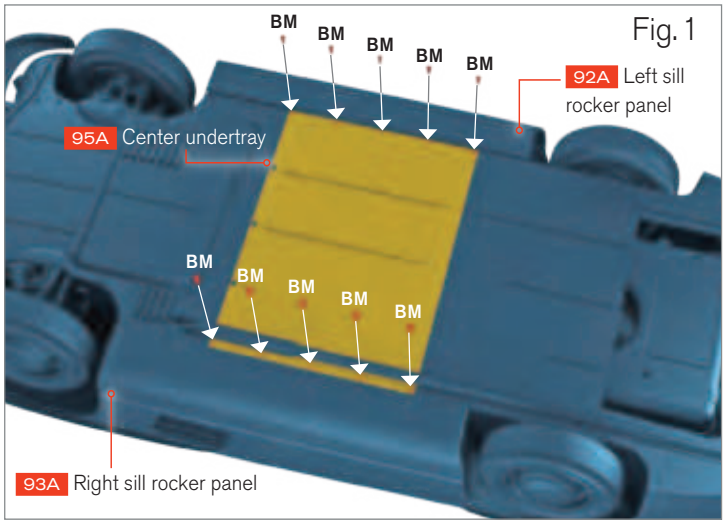
Fig. 1

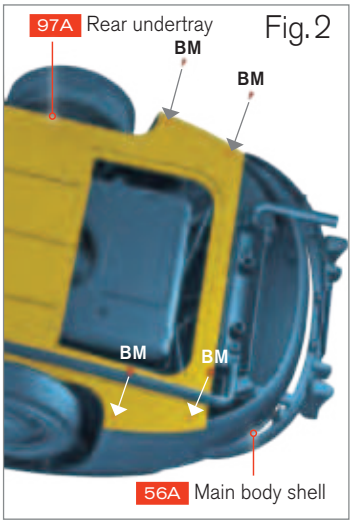


04 FITTING THE UNDERTRAYS TO THE UNDERSIDE OF THE CAR

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).

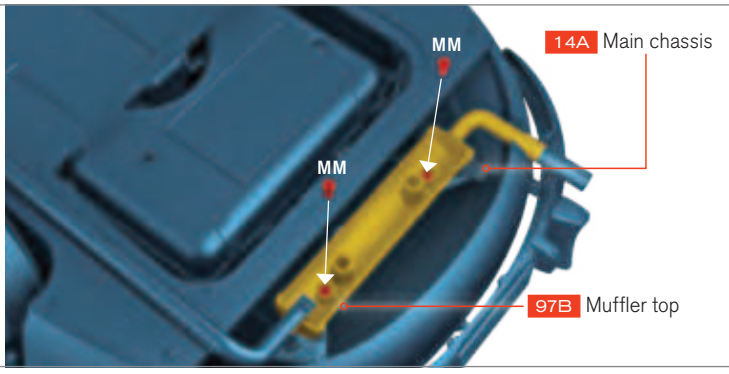






05 FITTING THE MUFFLER TO THE MAIN CHASSIS

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.



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

PHASE 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.

PHASE 98 – REQUIRED PARTS

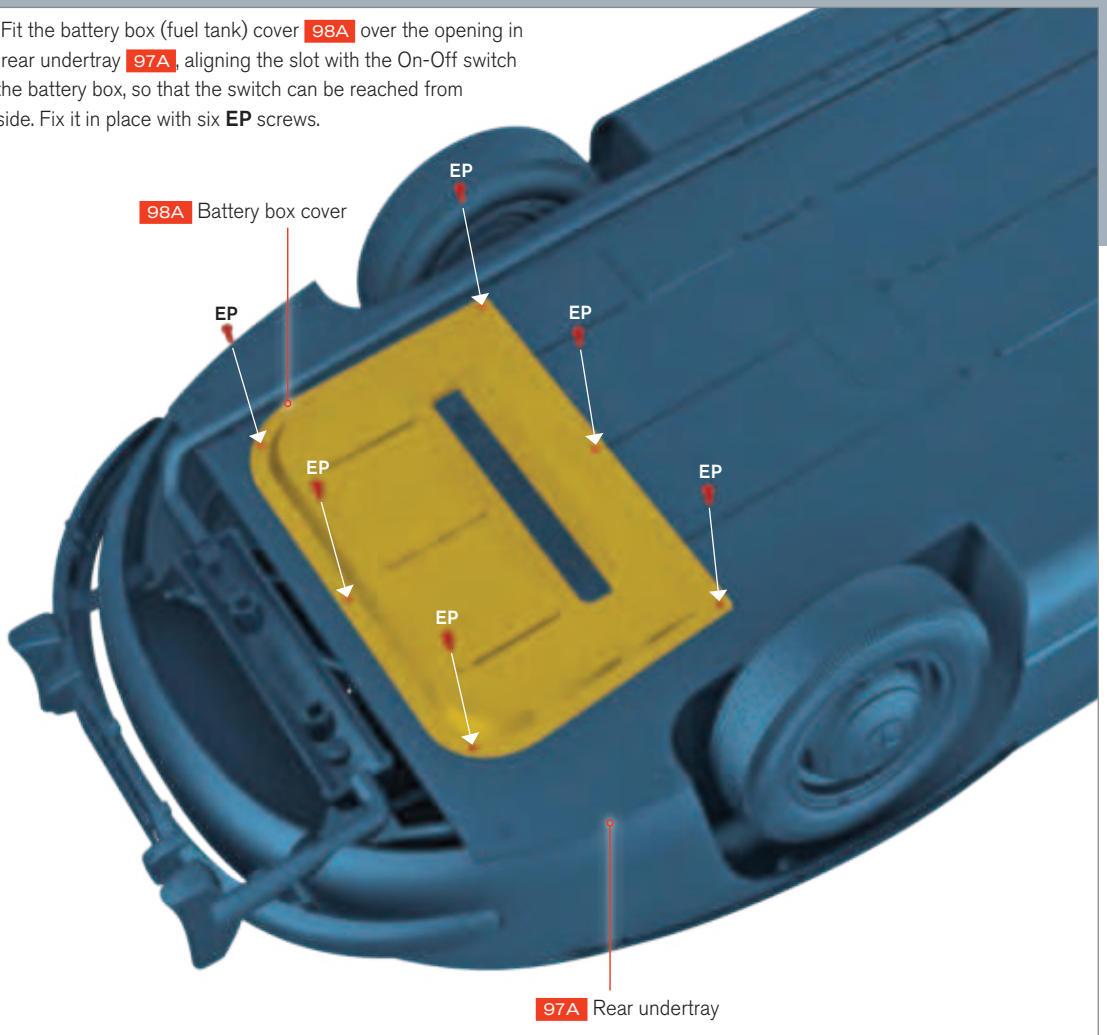
Code	Name	Quantity	Material
98A	Battery box (fuel tank) cover	1	ABS
EP	Screws 0.06 x 0.15in (1.7 x 4mm)	6 + 2*	Iron

* Replacement screws included

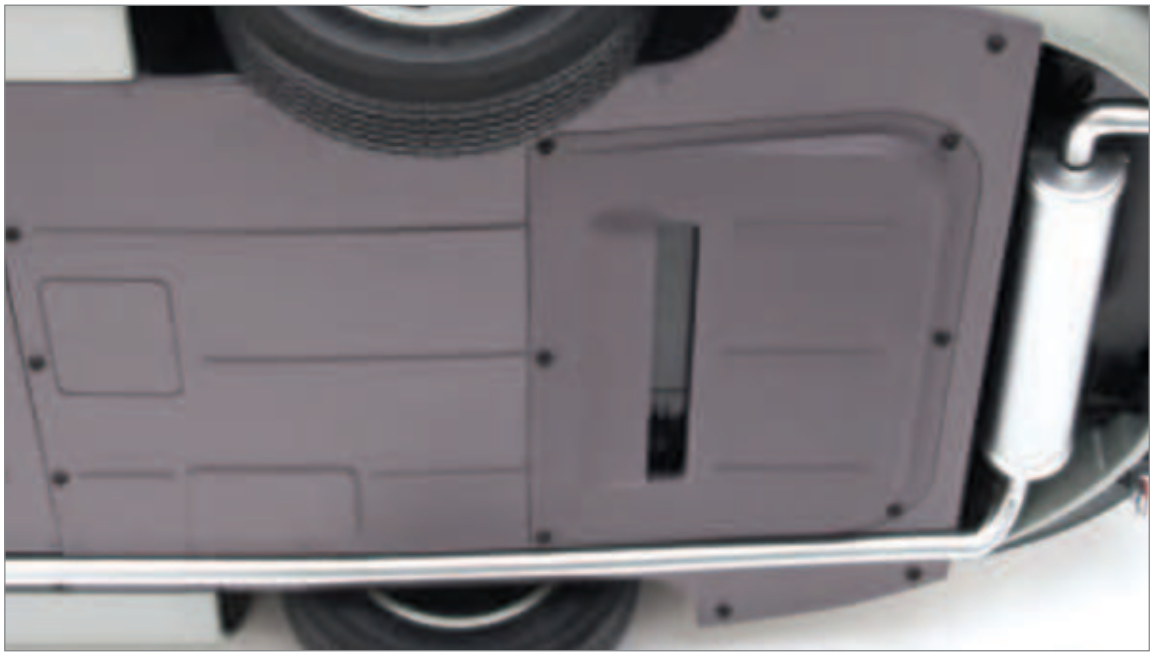
98A

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.



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

PHASE 99 – REQUIRED PARTS

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.

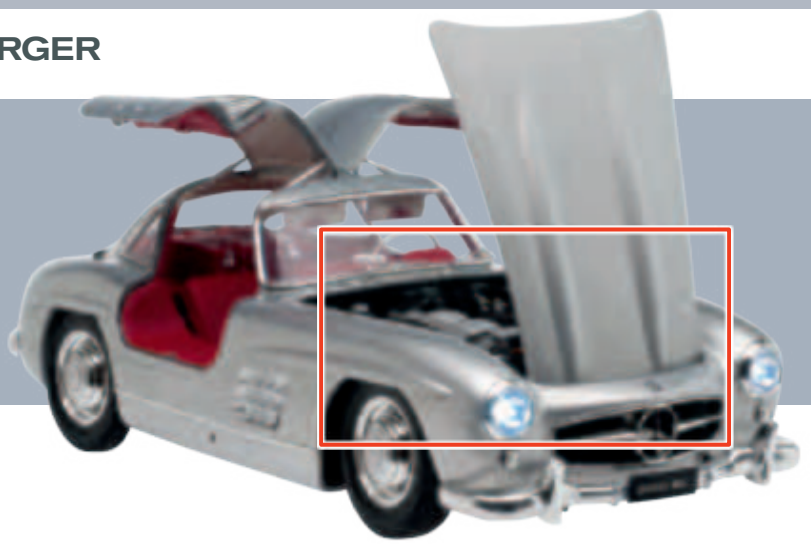
02 FITTING THE EXHAUST TAILPIPE TRIM

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.

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

PHASE 100: **THE SUPERCHARGER**

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



PHASE 100 – REQUIRED PARTS

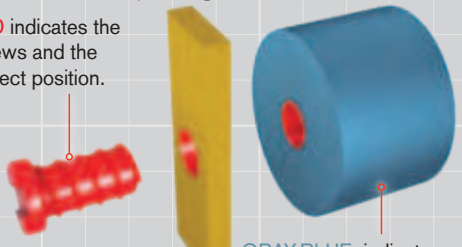
Code	Name	Quantity	Material
100A	Compressor right half	1	ABS
100B	Compressor left half	1	ABS
100C	Compressed air duct	1	ABS
100D	Support blocks	4	ABS
EP	Screws 0.06 x 0.15in (1.7 x 4mm)	1 + 1*	Iron
HP	Screws 0.07 x 0.15in (2 x 4mm)	4 + 2*	Iron

* 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.

100A

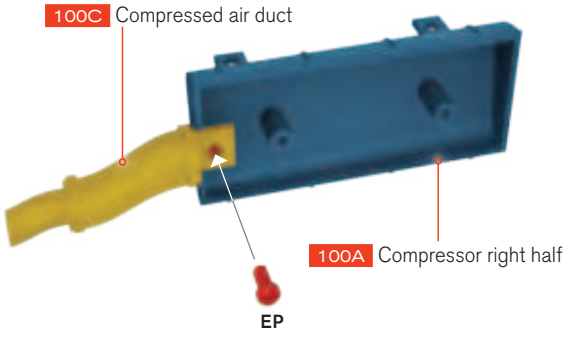
100B

100C

100D

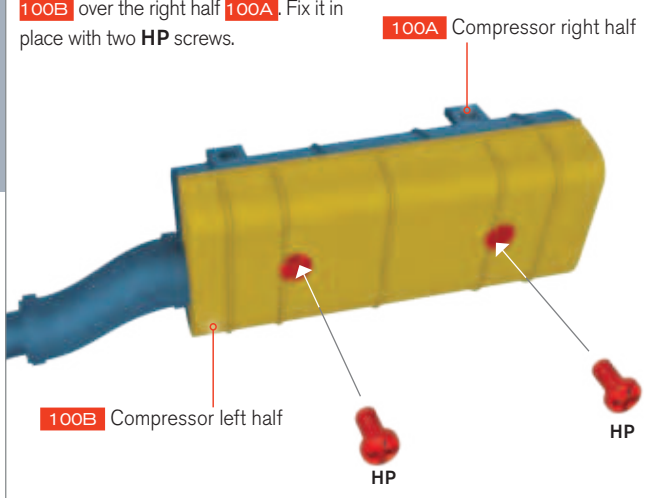
01 FITTING THE COMPRESSED AIR DUCT

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 08G. 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).

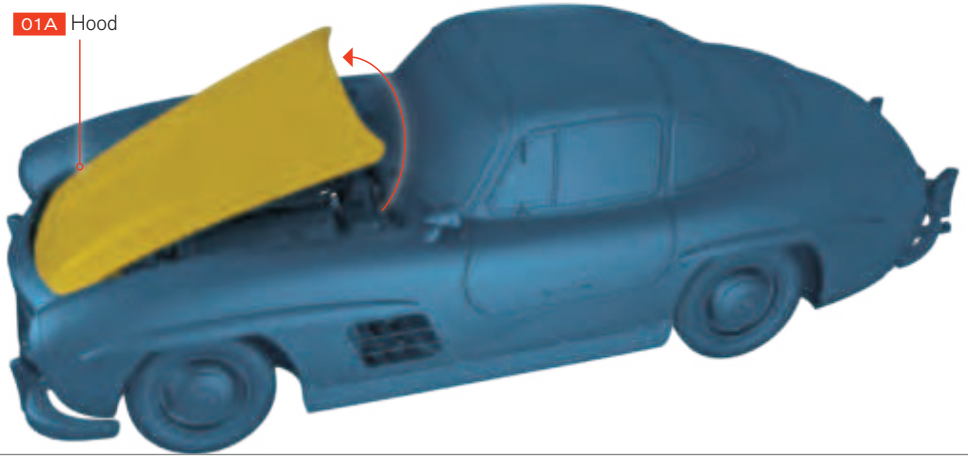
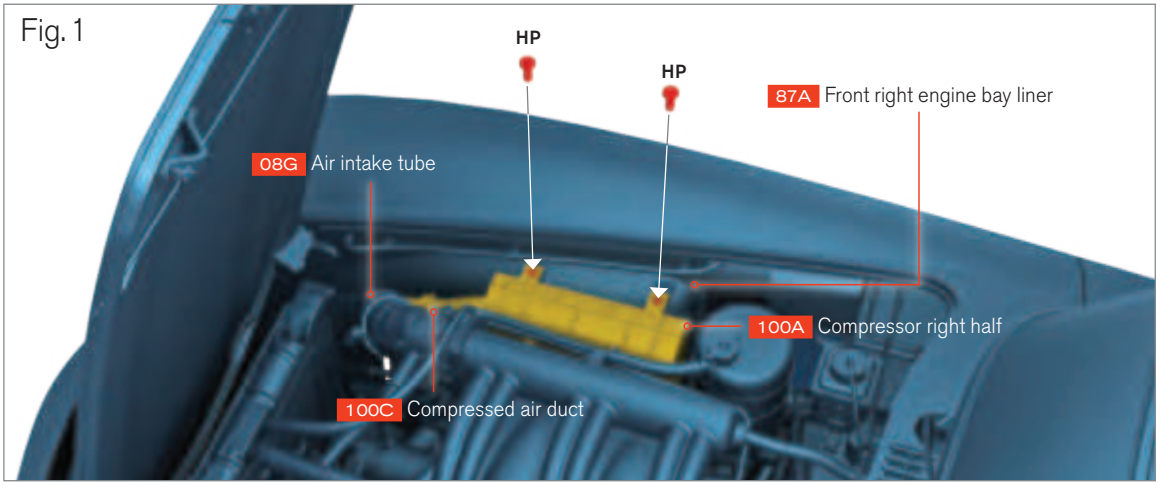


Fig. 1



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).

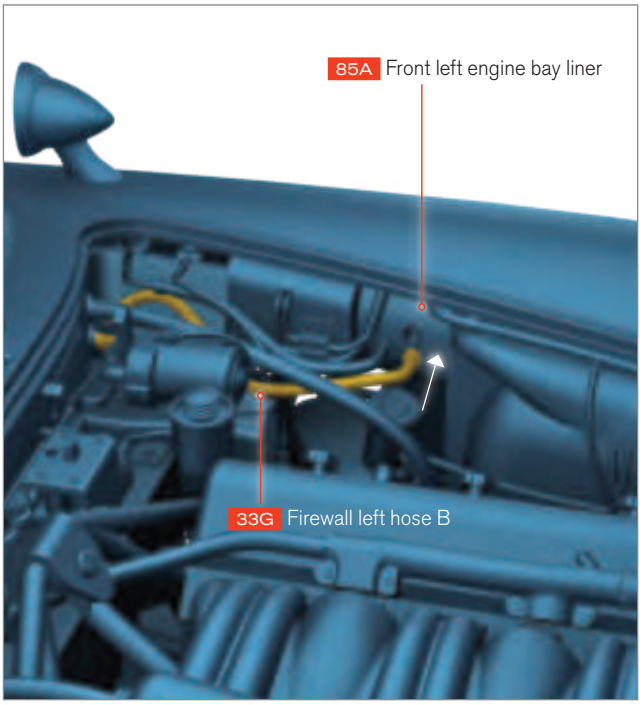
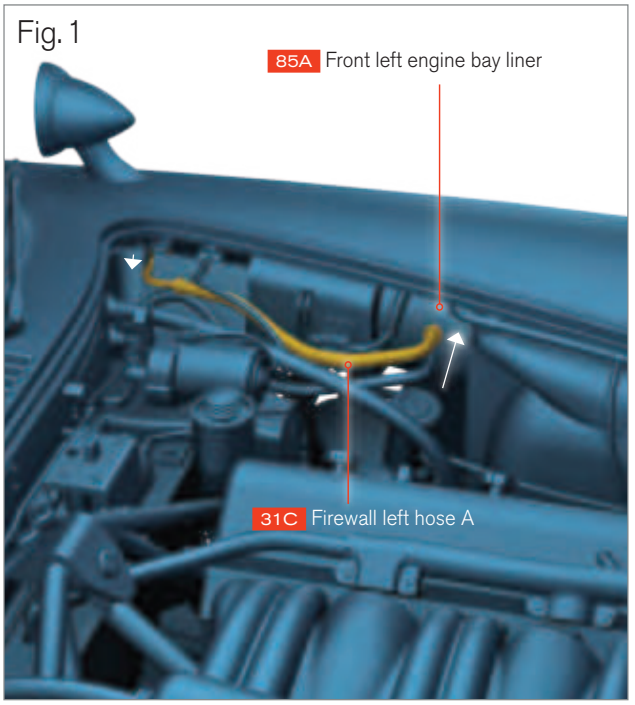
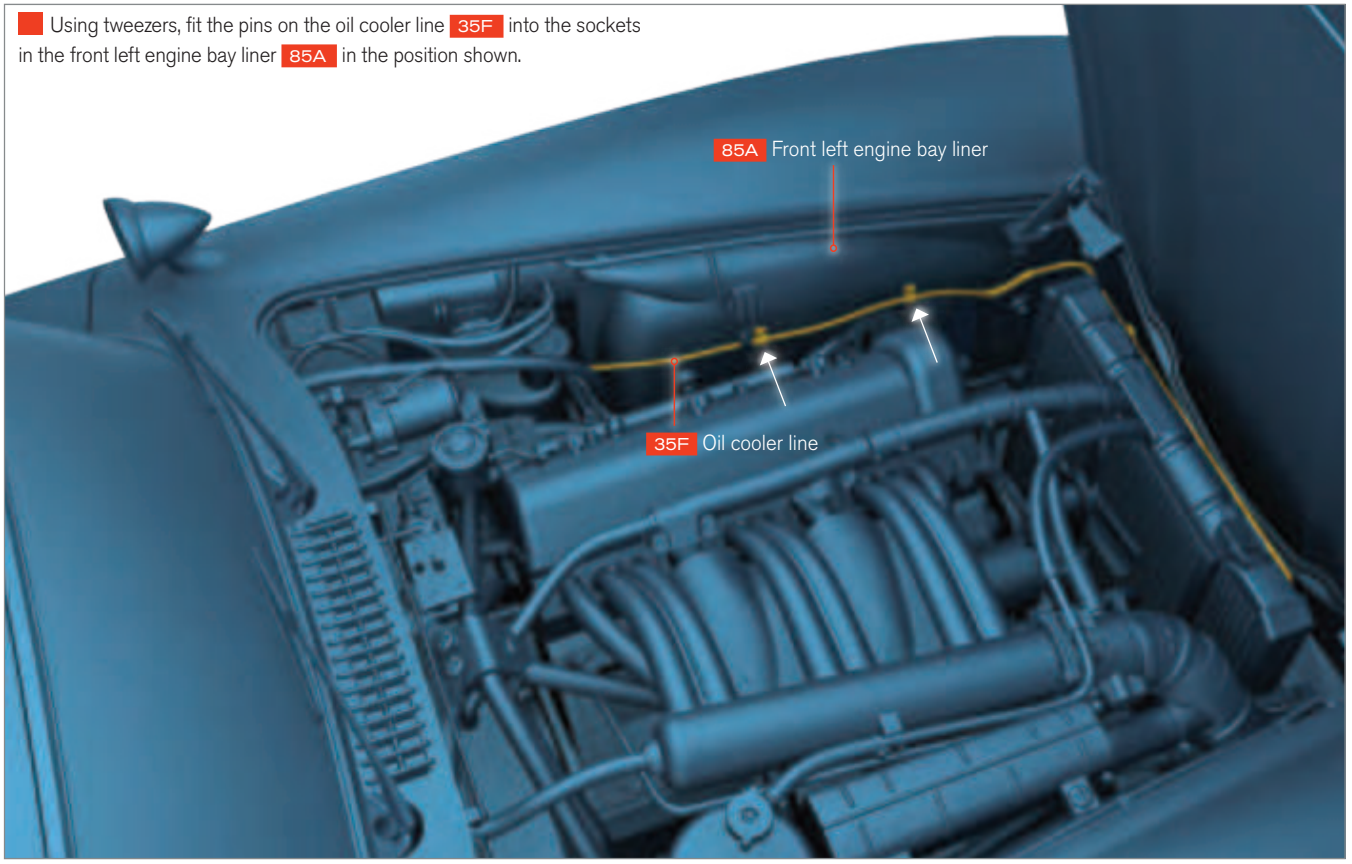


Fig. 1



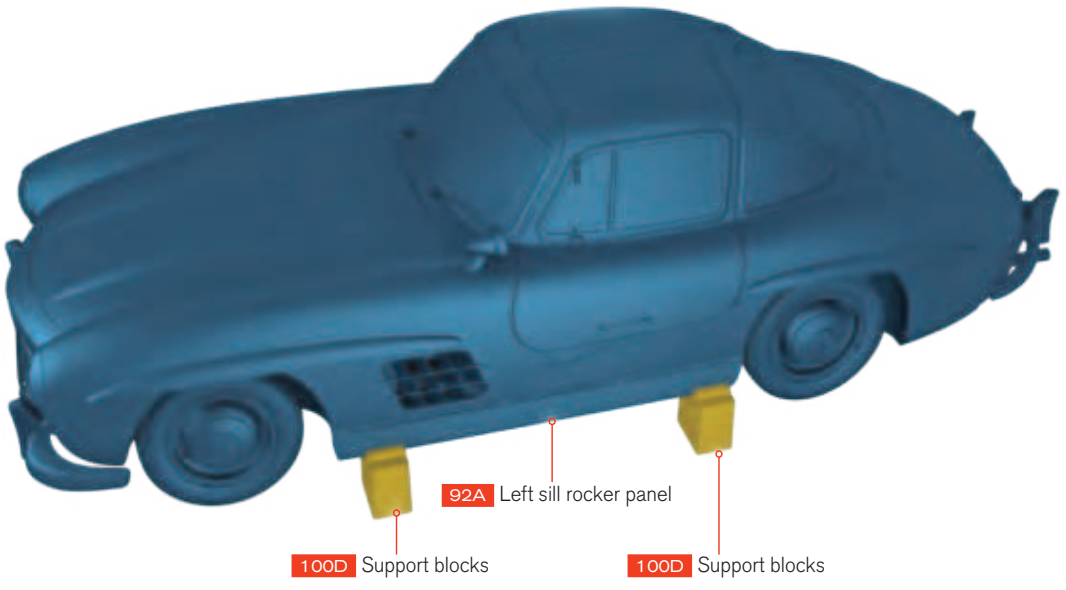
05 INSTALLING THE OIL COOLER LINE

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.

Kit details

Your Mercedes-Benz 300 SL full kit is broken down as follows:	
PACK 1	#1–4
PACK 2	#5–10
PACK 3	#11–16
PACK 4	#17–23
PACK 5	#24–35
PACK 6	#36–45
PACK 7	#46–53
PACK 8	#54–56
PACK 9	#57–63
PACK 10	#64–73
PACK 11	#74–90
PACK 12	#91–100


300 SL

ixo COLLECTIONS