

1955 BRITISH GRAND PRIX WINNER

MERCEDES-BENZ W196 R



Pack 09

BUILD INSTRUCTIONS

STAGE 61: MOUNTING THE COCKPIT FRAME

STAGE 62: CONNECTING THE DRIVE SHAFT
AND FITTING THE SEAT

STAGE 63: ASSEMBLING AND FITTING THE PEDALS

STAGE 64: ADDING DETAILS TO THE FUEL TANK

STAGE 65: ASSEMBLING THE FUEL TANK

STAGE 66: MOUNTING THE FUEL TANK

STAGE 67: ASSEMBLING THE OIL TANK

STAGE 68: MOUNTING THE OIL TANK

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Advice from the experts

This set of step-by-step instructions will enable you to complete the build of your 1:8-scale Mercedes-Benz W 196 R. 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.

Please note the following:

- The number designated by a # refers to the number given on the parts supplied in each pack.
- Where left and right elements of the same part are supplied, these are listed as (L) and (R).
- Close-up details of steps are framed in yellow.
- 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.
- When assembling the wheels of your model, you can choose between regular and easy assemblies. Follow our instructions carefully.

The images in this manual may differ slightly from those supplied in your pack. These images differ in appearance only and will not affect the process of the build.

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

Advice from the experts

! When you see this symbol on one of the images in these instructions, we have provided a Top Tip to help you with your build. Check back on this page for the corresponding tip!

You can find more expert tips and advice for building the Mercedes W196R on our forum. Go to <https://community.agoramodels.com/forum/198-mercedes-w196r/>

Page 8 – E

Don't over-tighten screw **AP**. Part **63G** should be moveable with a little friction.

Page 13 – G

You may wish to fit parts **68A** and **68B** before mounting the fuel tank on the model.

See page 17, Step A, for instructions on fitting these parts.

Page 18 – D

Fit part **68E** (third image) before mounting the oil tank on the model.

Page 18 – E

Pipes **68J** are 390 mm long, pipes **68H** are 300 mm long (approximately).

Page 18 – F

The tubes **68H** running from the oil tank down the firewall to the left side of the chassis could do with a couple of bits of tape to make things look neat. Try using a little black masking tape.

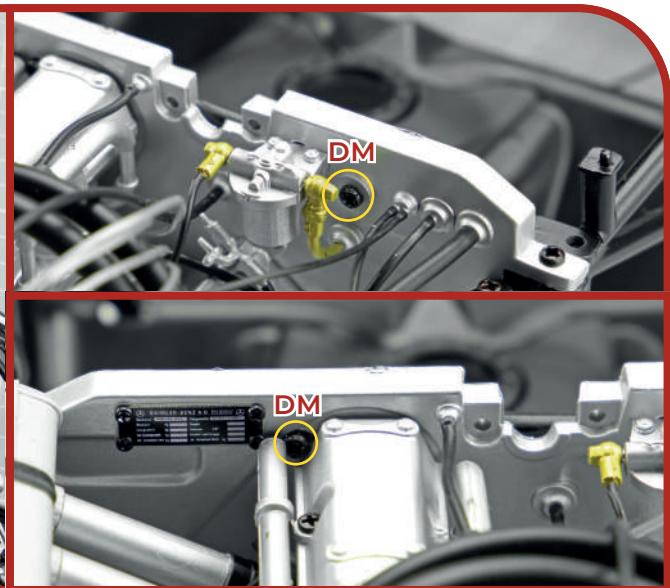
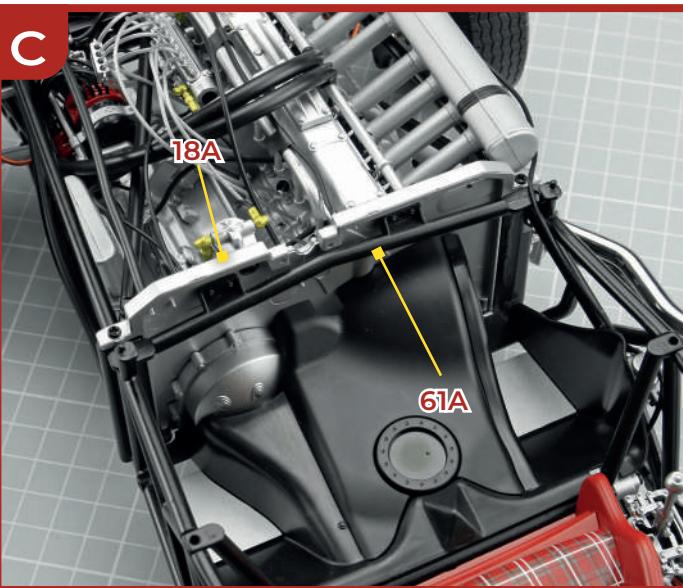
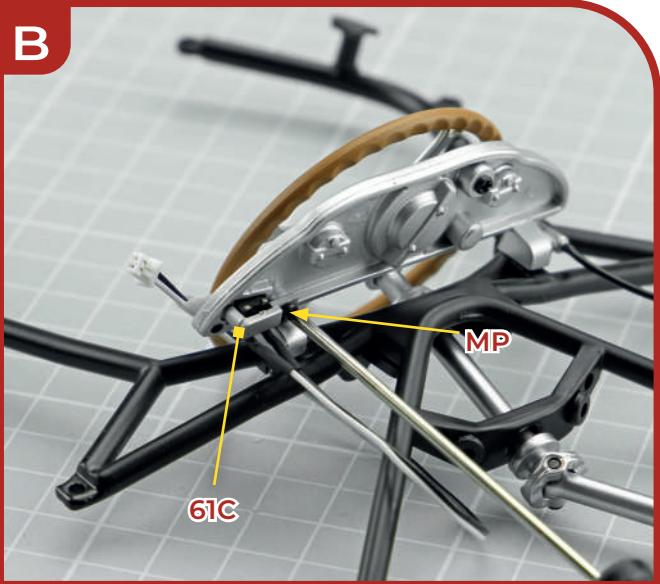
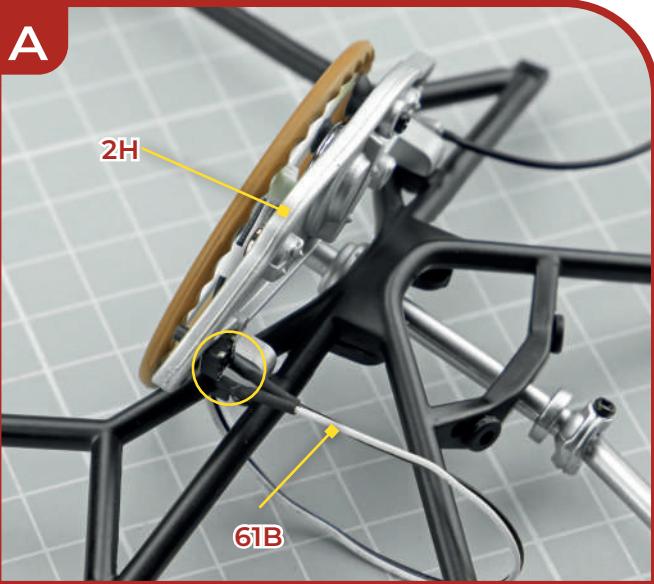
Stage 61: Mounting the Cockpit Frame

6-61# PARTS LIST



61A Firewall bar
61B Wire
61C Wire bracket
61D Steering box cover
61E Steering column bracket

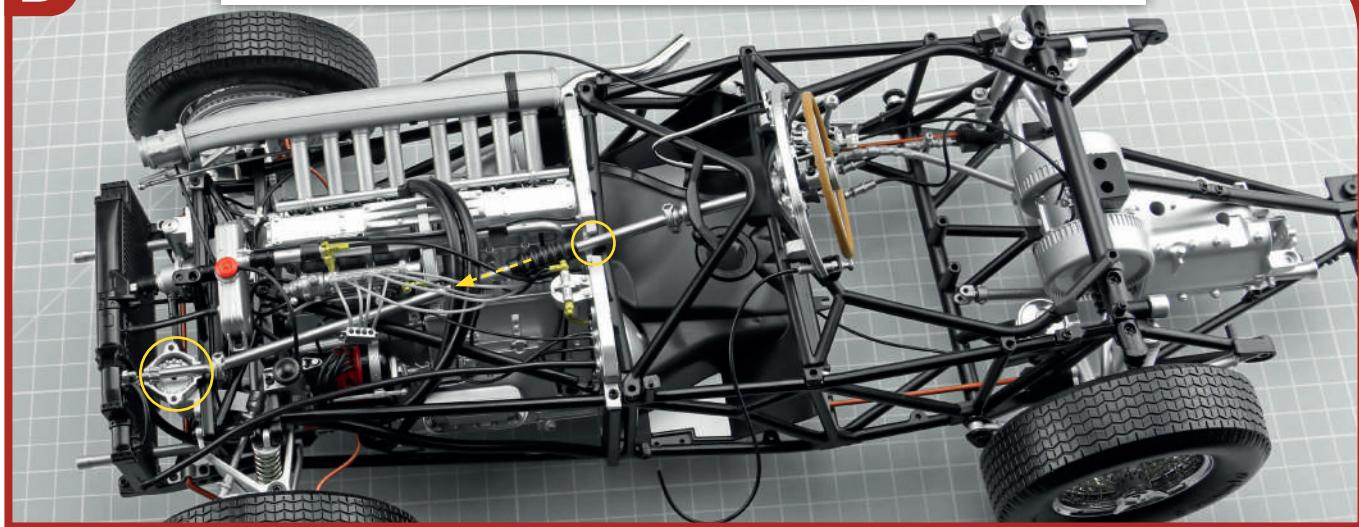
EP 3 screws (2 x 4 mm)
MP 2 screws (2 x 3 mm)
DM 8 screws (2 x 4 mm)
MM 3 screws (2 x 7 mm)
WM 5 screws (2 x 6 mm)



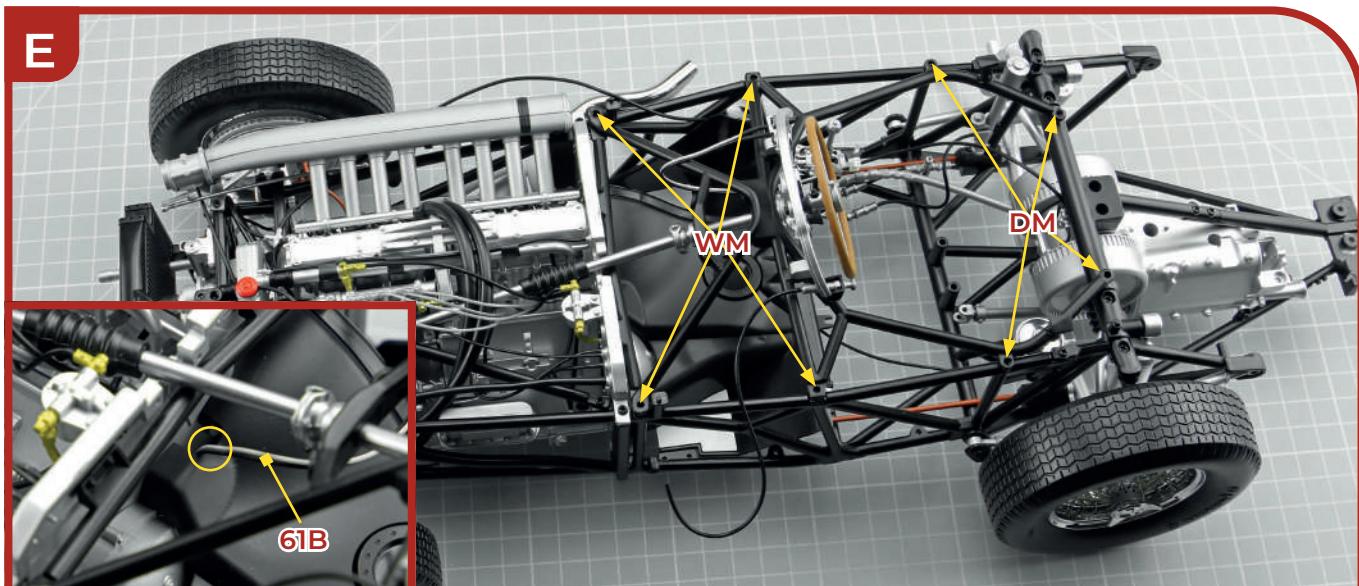
Stage 61: Mounting the Cockpit Frame

D

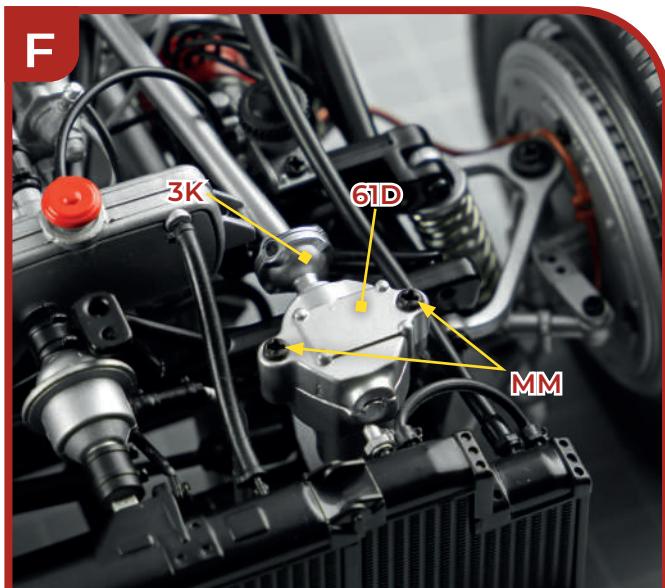
Mount the cockpit frame and the steering column onto the chassis.



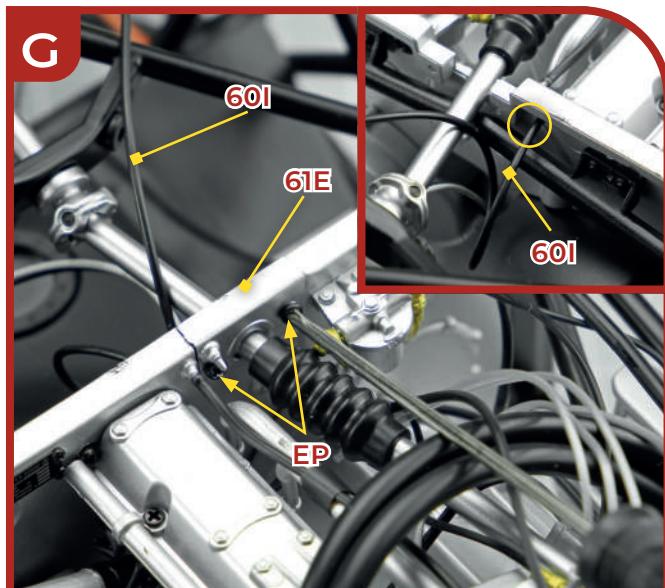
E



F

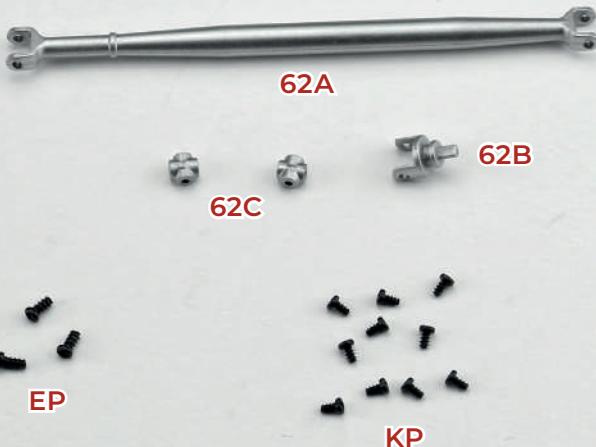


G



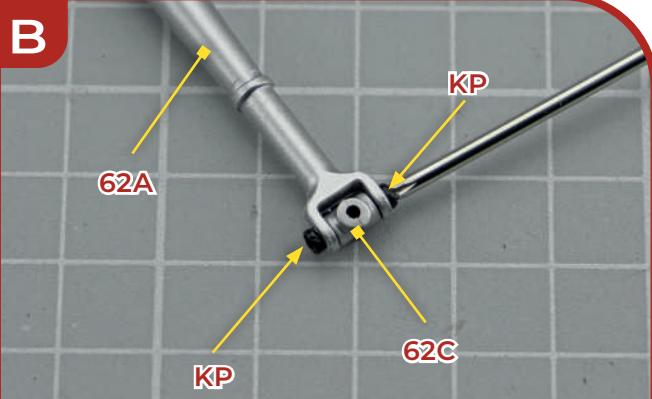
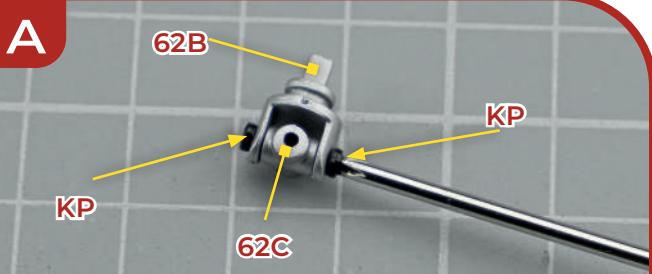
Stage 62: Connecting the Drive Shaft and Fitting the Seat

6-62# PARTS LIST

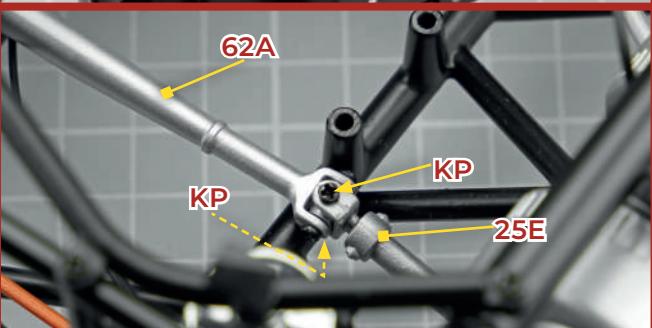
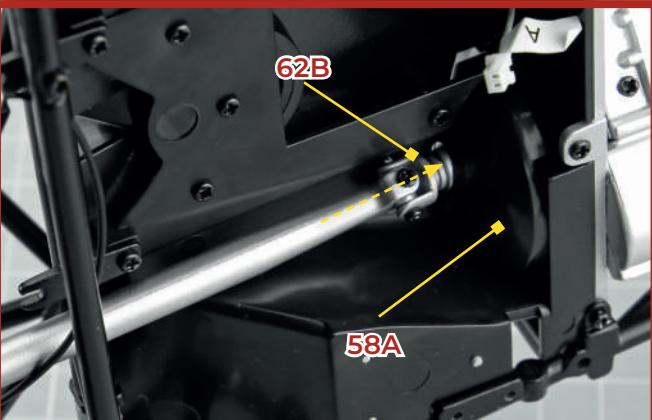
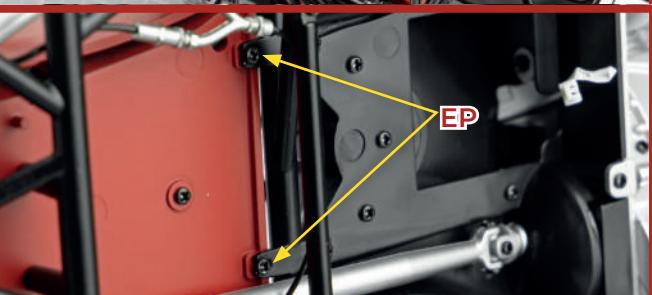


62A Shaft
62B Joint 1
62C Joints 2 (x2)

EP 3 screws (2 x 4 mm)
KP 10 screws (1.7 x 3 mm)

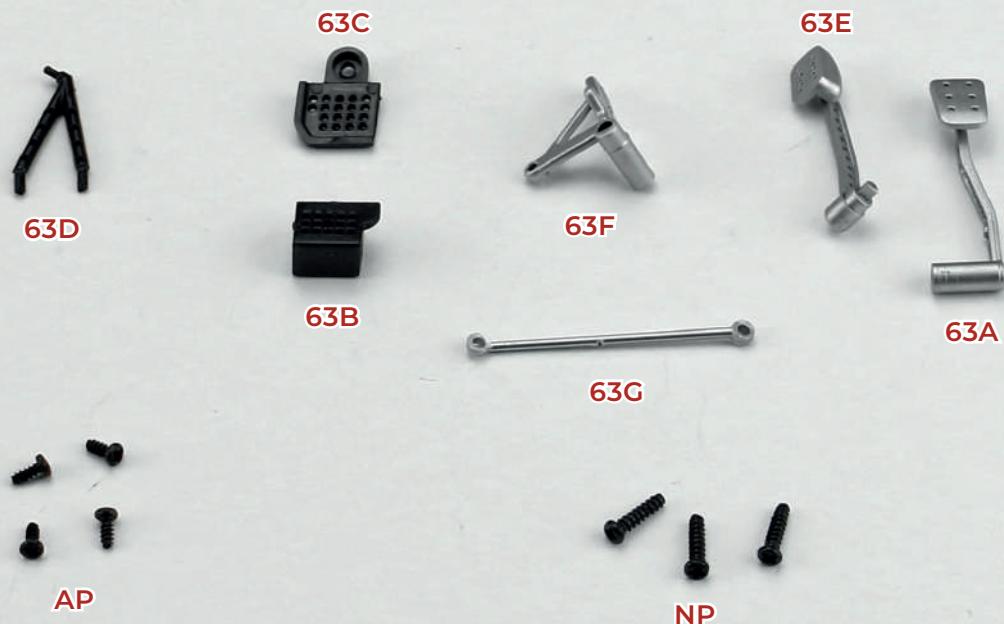


C Mount the seat on the cockpit frame.



Stage 63: Assembling and Fitting the Pedals

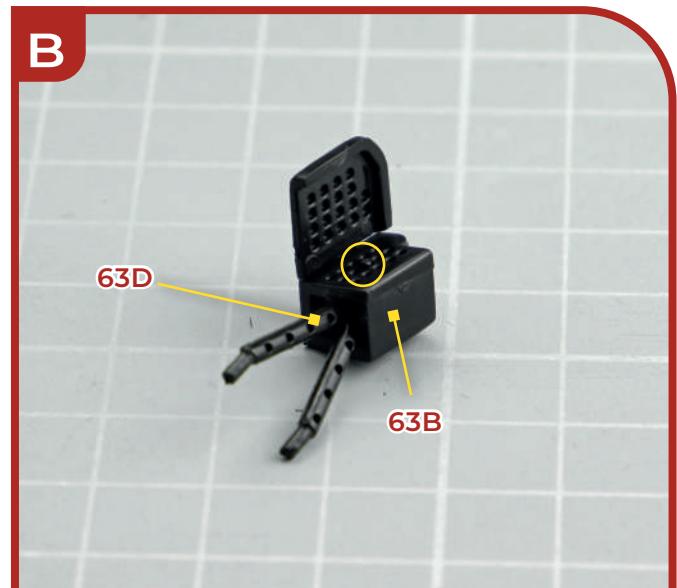
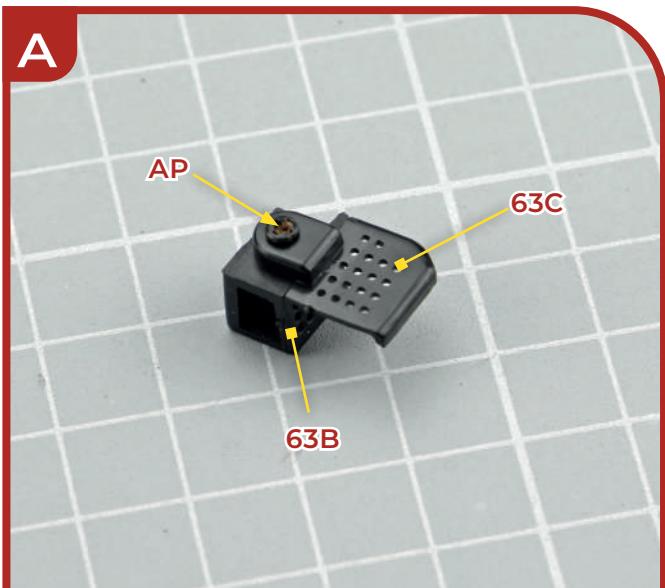
6-63# PARTS LIST



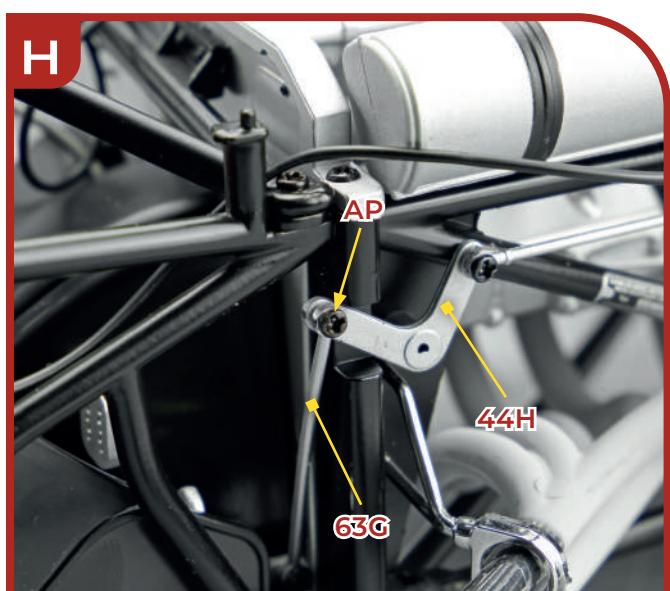
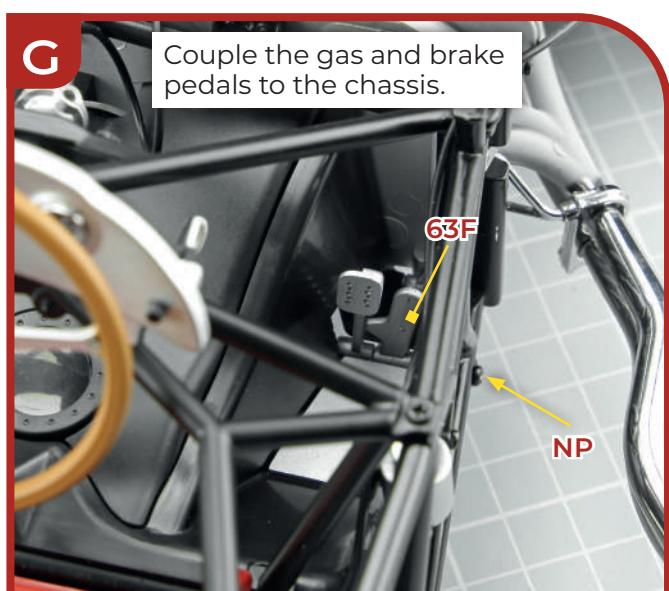
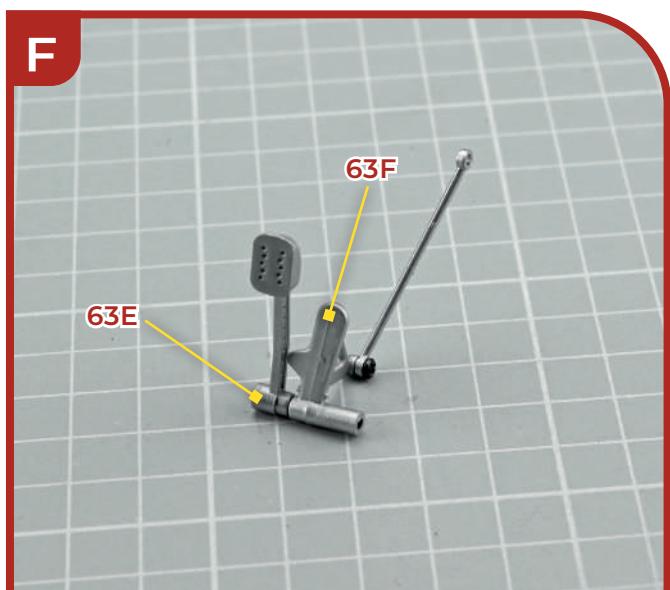
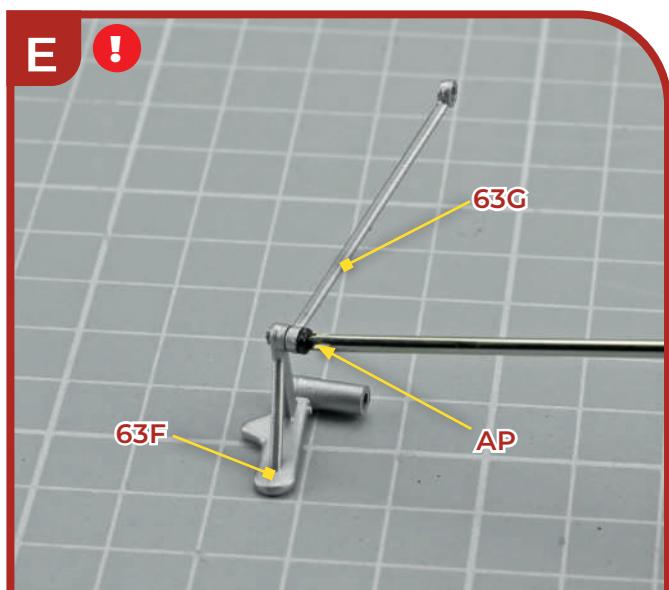
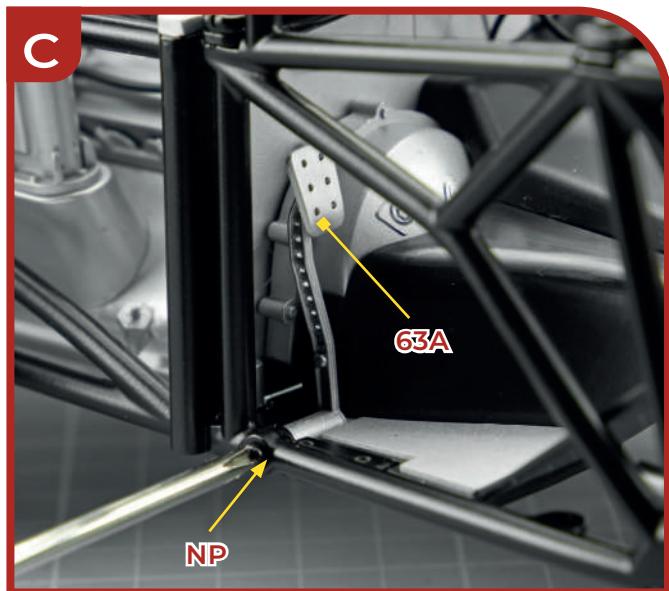
63A Clutch pedal
63B Footrest part A
63C Footrest part B
63D Footrest part C

63E Brake pedal
63F Gas pedal
63G Gas pedal shaft

AP 4 screws (1.7 x 4 mm)
NP 3 screws (2 x 8 mm)



Stage 63: Assembling and Fitting the Pedals



Stage 64: Adding Details to the Fuel Tank

6-64# PARTS LIST



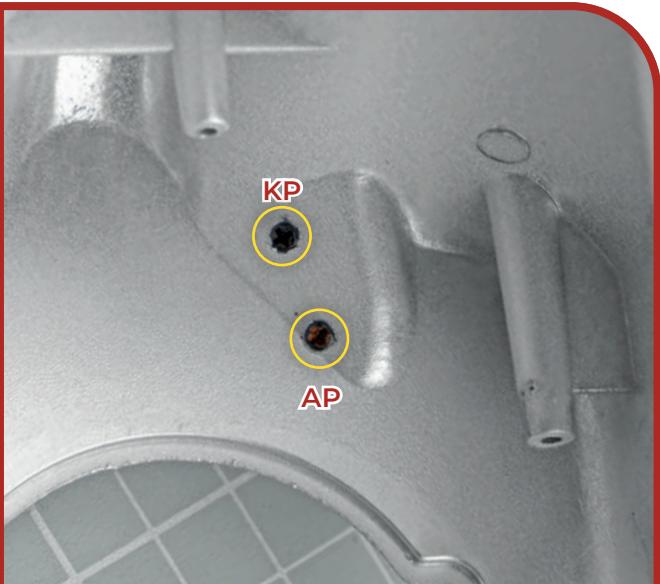
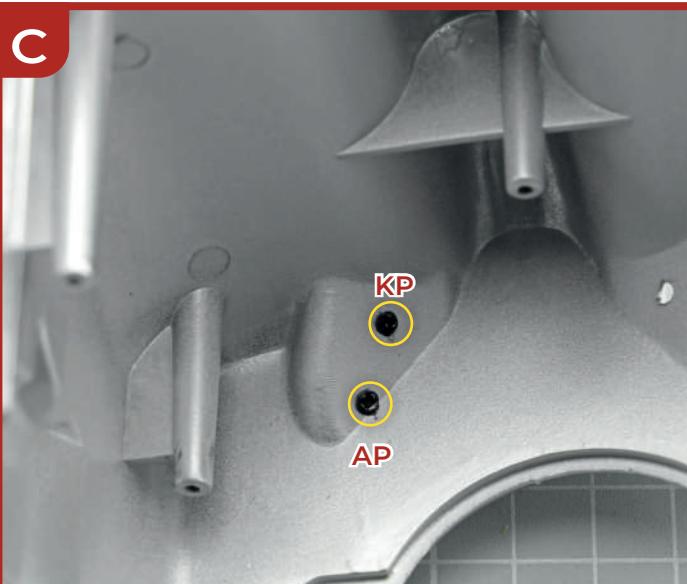
AP KP

64B

64D

64A Fuel tank body
64B Cap
64C Fuel tank detail 1 (R)
64D Fuel tank detail 2 (L)

AP 3 screws (1.7 x 4 mm)
KP 3 screws (1.7 x 3 mm)



Stage 65: Assembling the Fuel Tank

6-65# PARTS LIST



65G

65A

65F

65D

65H

65B

65E

65C

DM

65A Fuel tank bottom

65B Detail 1

65C Detail 2

65D Fuel line 5

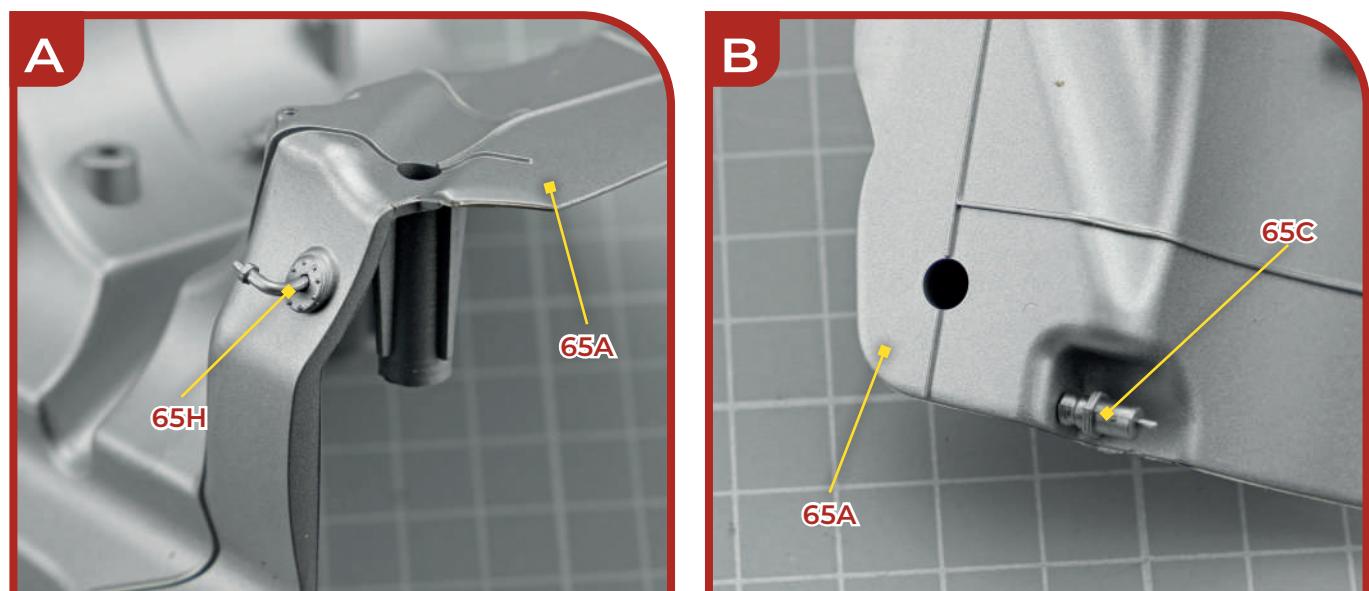
65E Detail 3

65F Fuel line 6

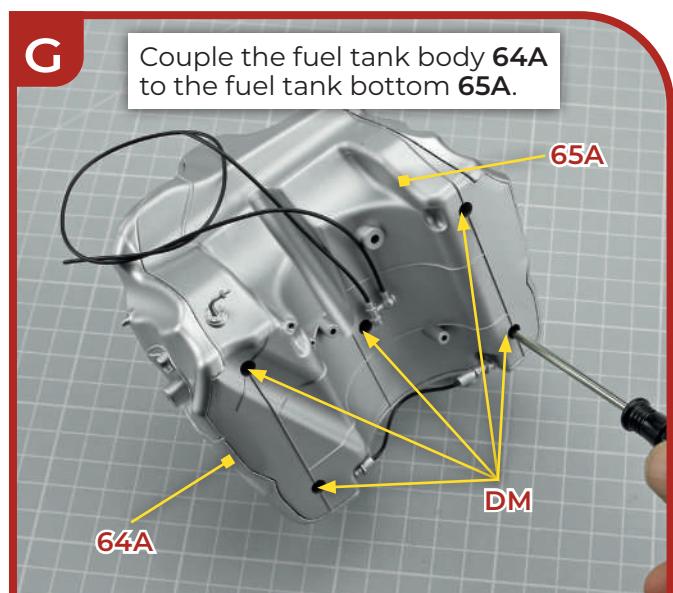
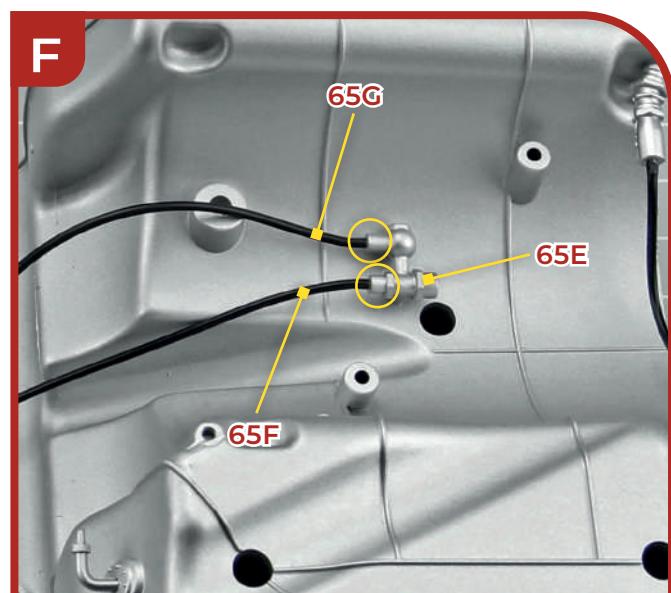
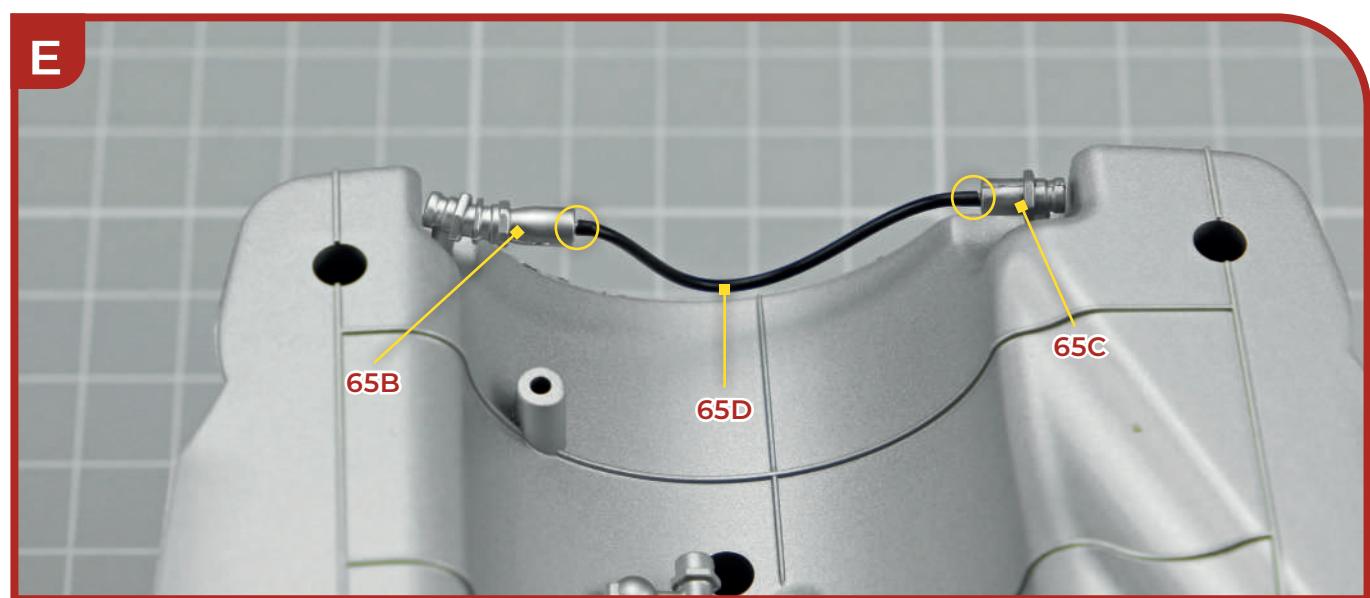
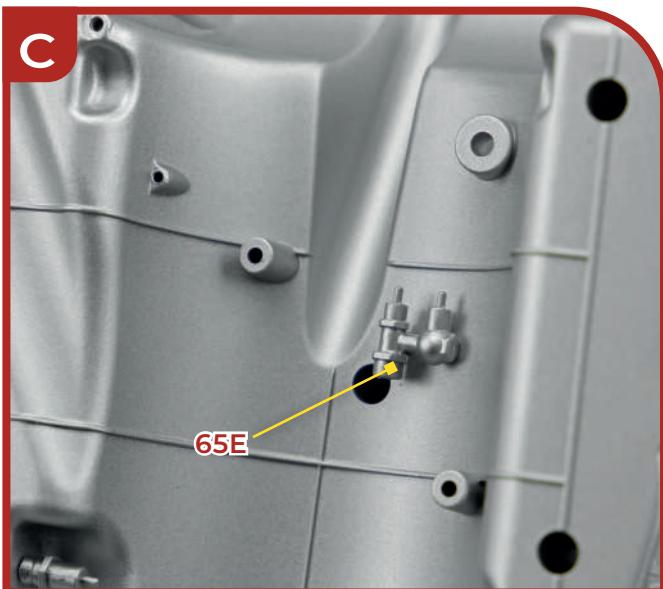
65G Fuel line 7

65H Detail 4

DM 6 screws (2 x 4 mm)

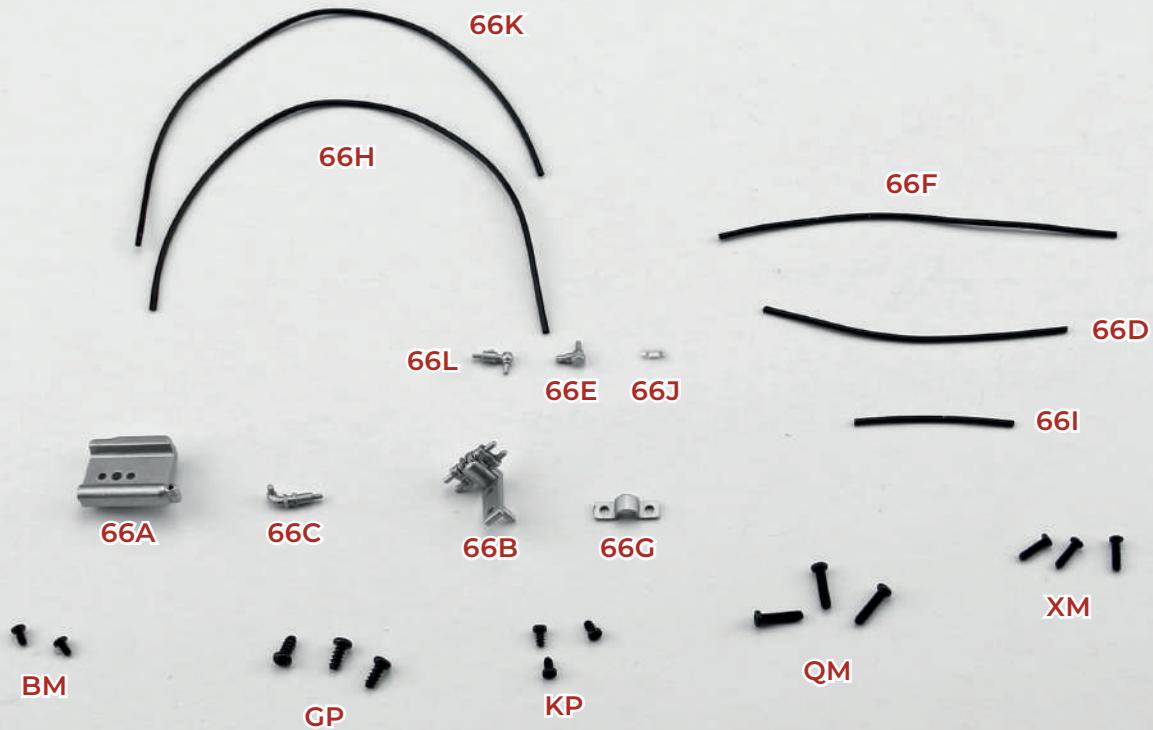


Stage 65: Assembling the Fuel Tank

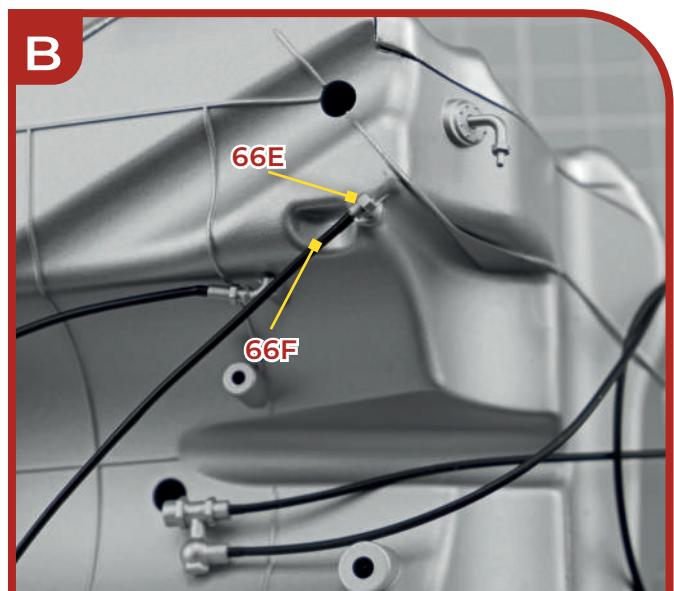
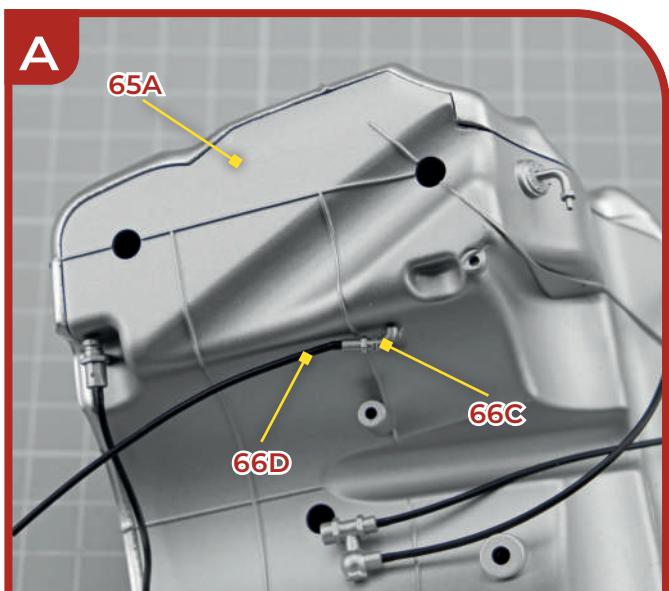


Stage 66: Mounting the Fuel Tank

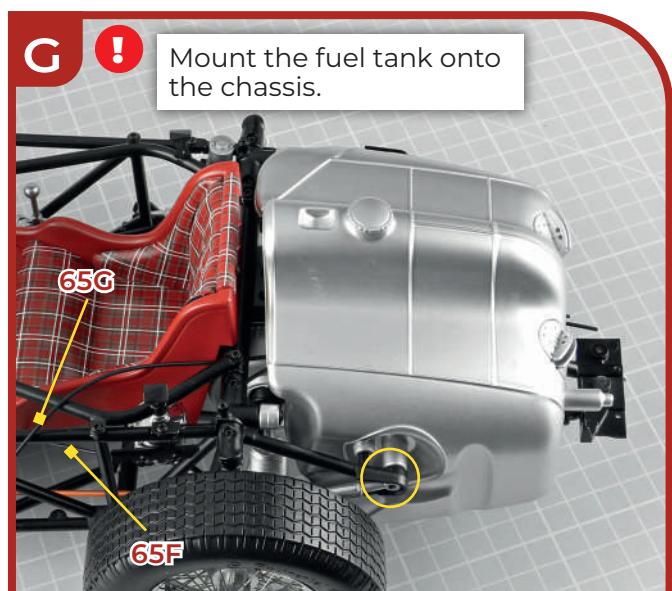
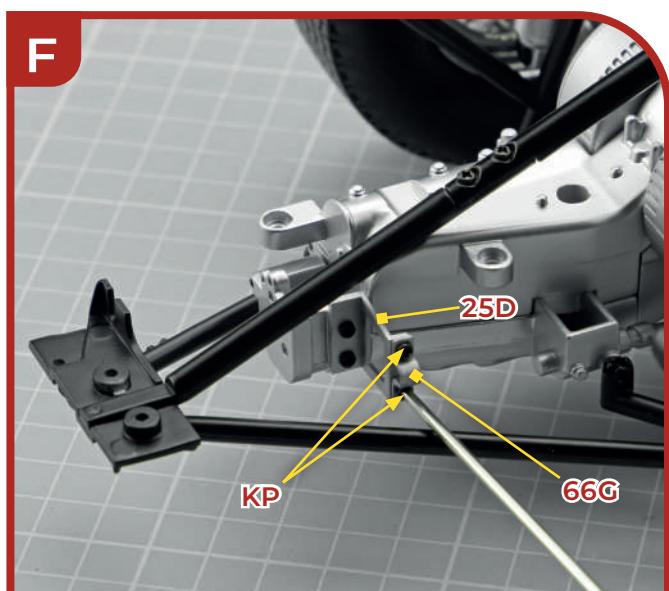
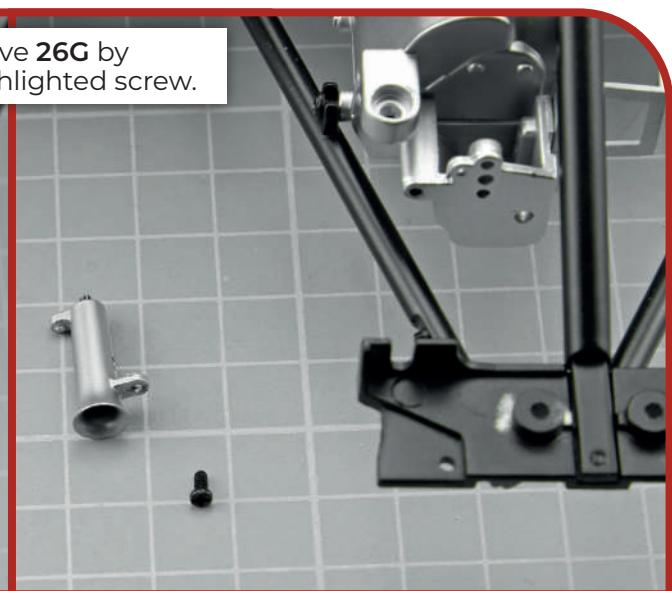
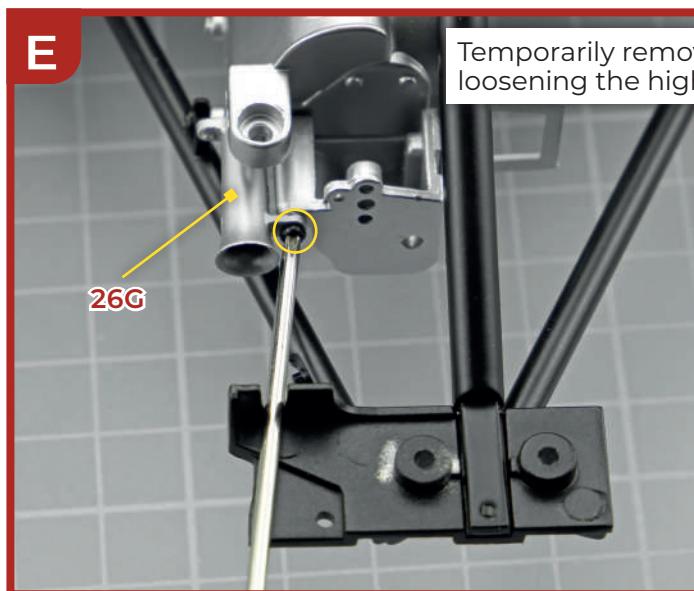
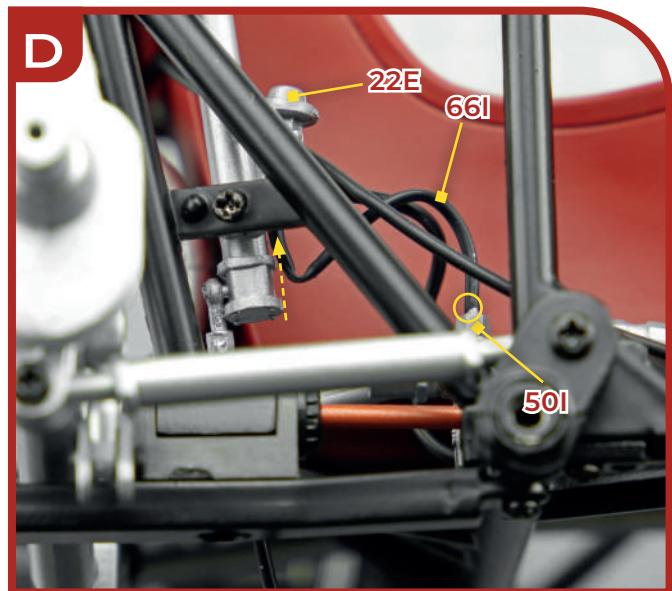
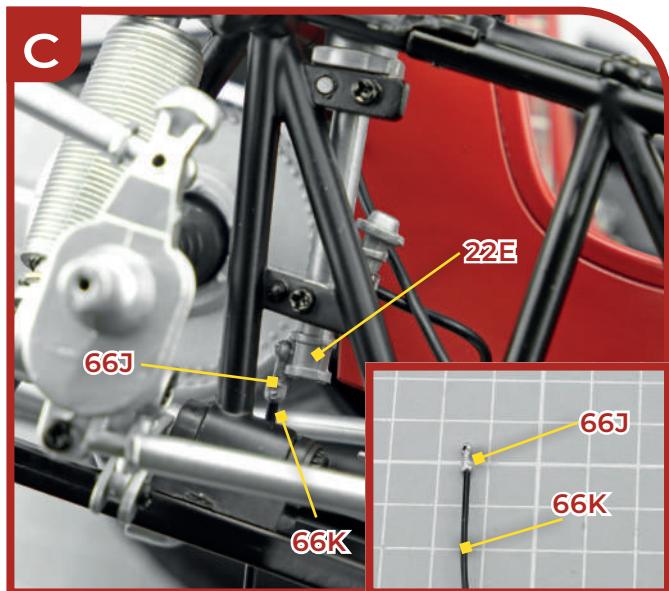
6-66# PARTS LIST



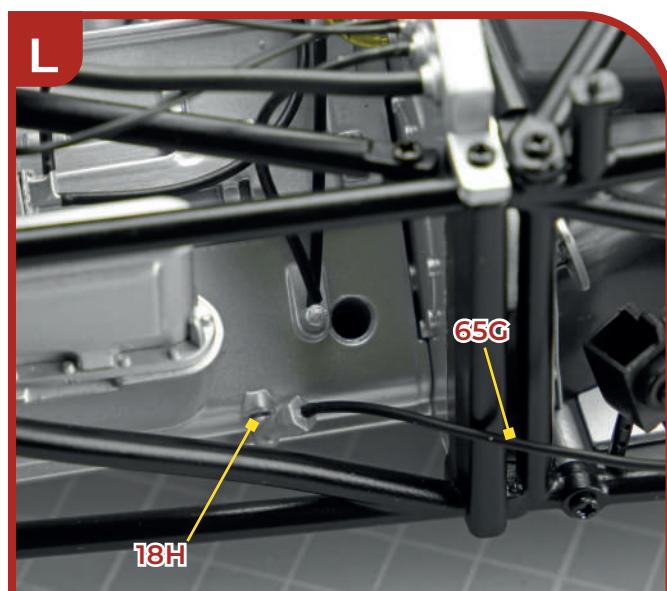
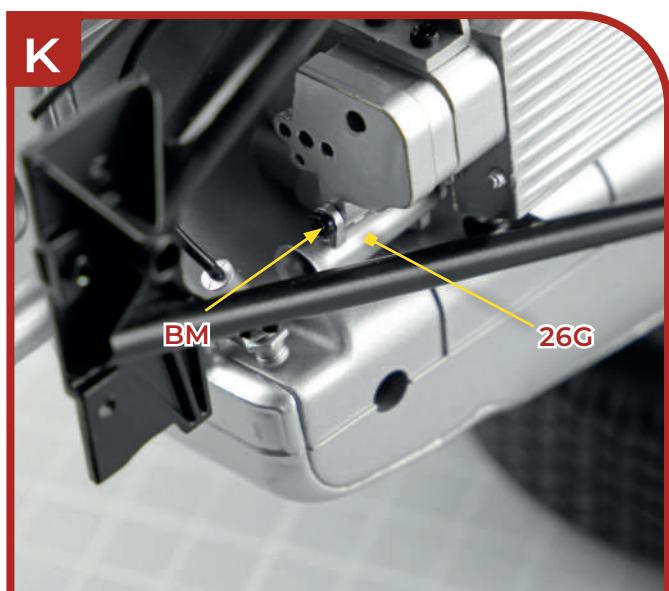
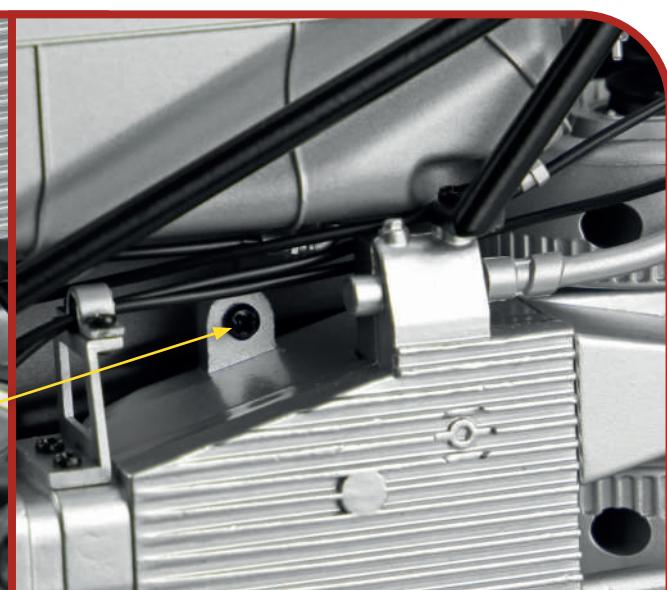
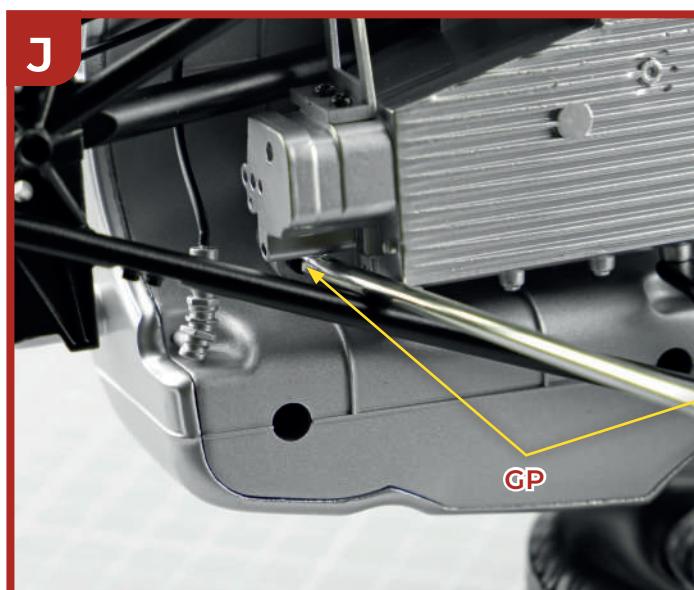
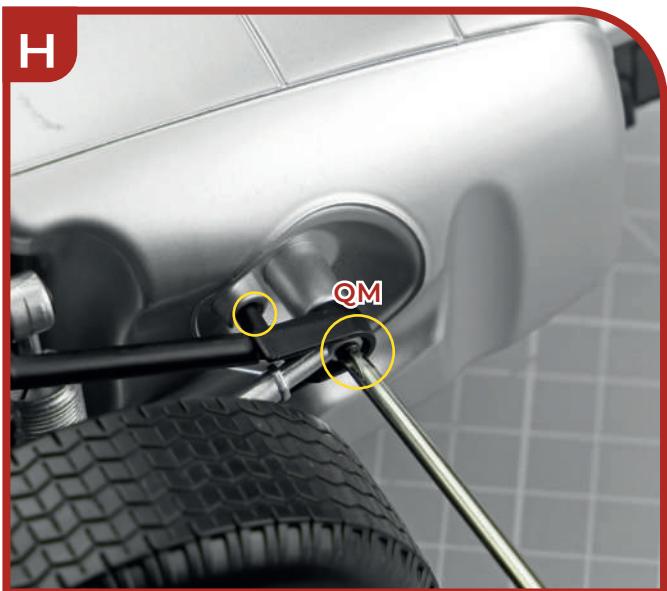
66A	Gearbox rear cover	66G	Bracket	GP	3 screws (2.3 x 5 mm)
66B	Fuel distributor	66H	Fuel line 10	KP	3 screws (1.7 x 3 mm)
66C	Detail 1	66I	Fuel line 11	BM	2 screws (1.7 x 3 mm)
66D	Fuel line 8	66J	Detail 3	QM	3 screws (2 x 8 mm)
66E	Detail 2	66K	Fuel line 12	XM	3 screws (1.5 x 6 mm)
66F	Fuel line 9	66L	Detail 4		



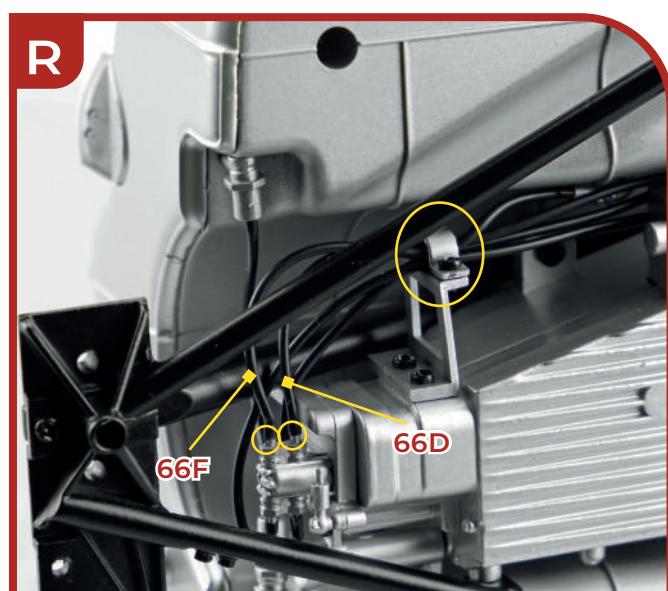
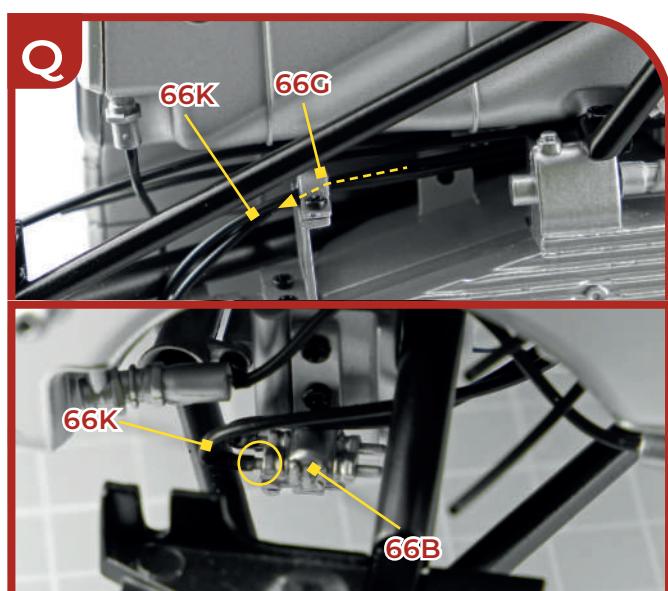
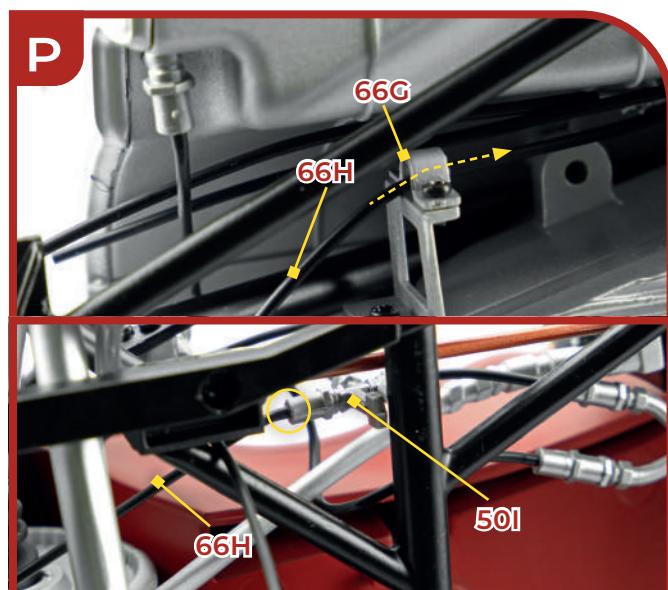
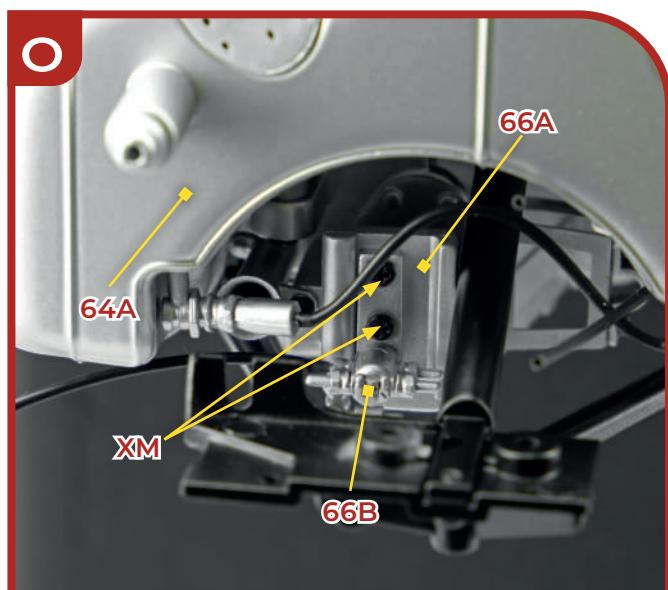
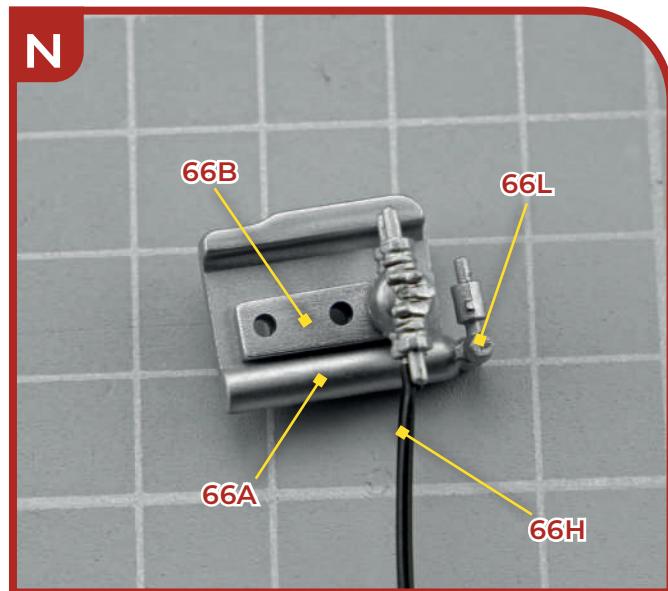
Stage 66: Mounting the Fuel Tank



Stage 66: Mounting the Fuel Tank

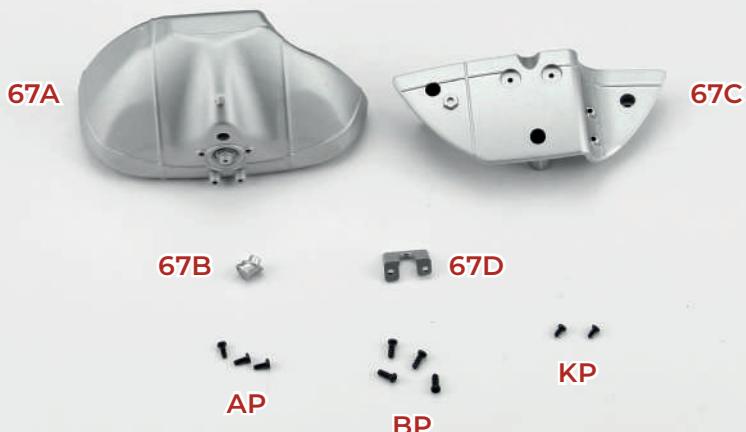


Stage 66: Mounting the Fuel Tank



Stage 67: Assembling the Oil Tank

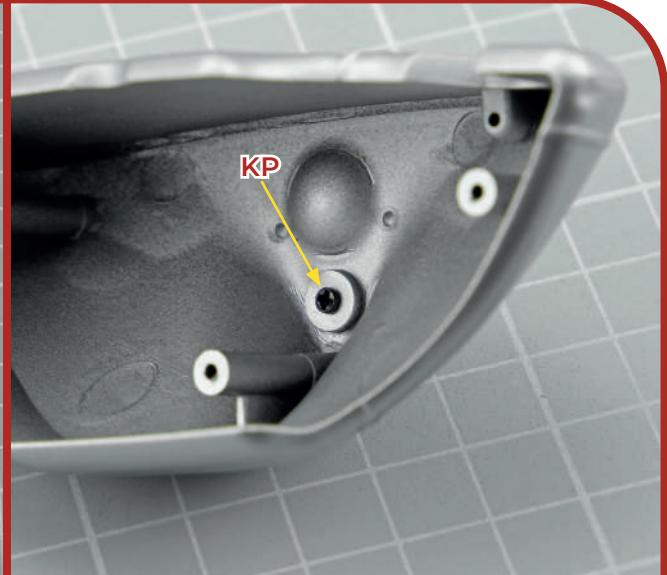
6-67# PARTS LIST



67A Oil tank body
67B Filler cap
67C Oil tank bottom
67D Bracket

AP 3 screws (1.7 x 4 mm)
BP 4 screws (2 x 5 mm)
KP 2 screws (1.7 x 3 mm)

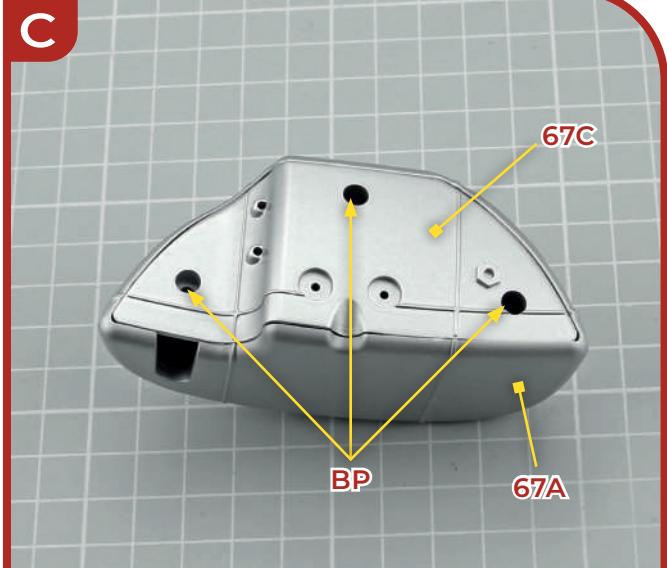
A



B



C



Stage 68: Mounting the Oil Tank

6-68# PARTS LIST

68A 68B 68C 68D 68E 68F 68G 68H 68I 68J 68K 68L 68K

68B

68E

68K

68L

68F

68G

68I

68C

68D



68J



68H



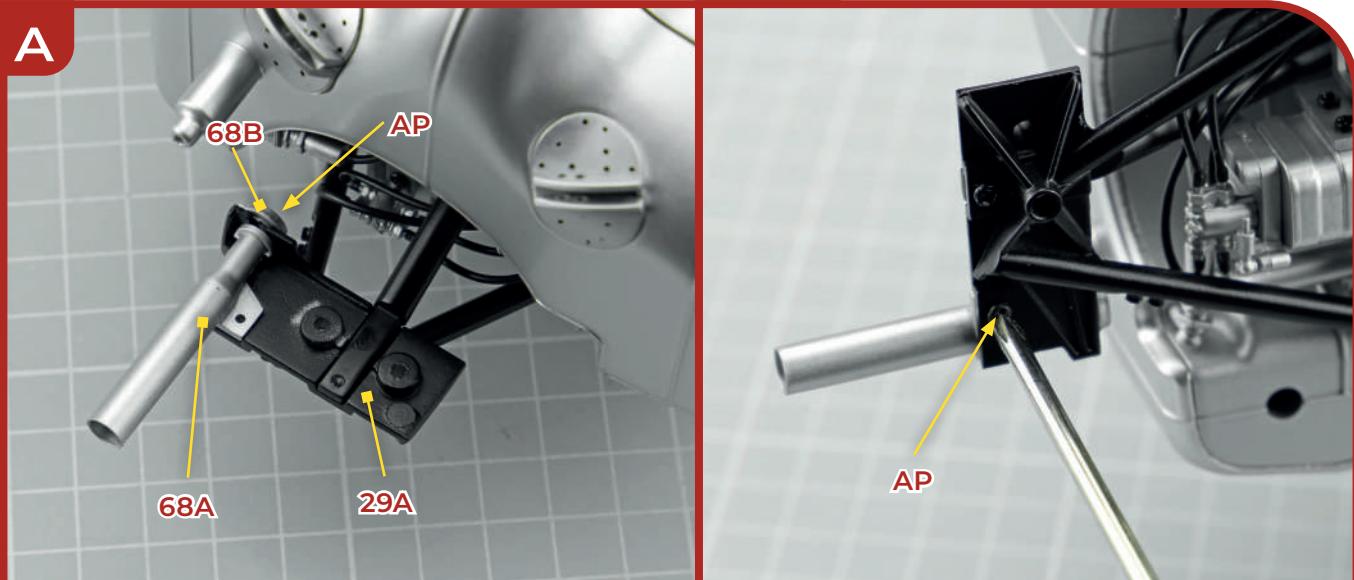
HP

OP

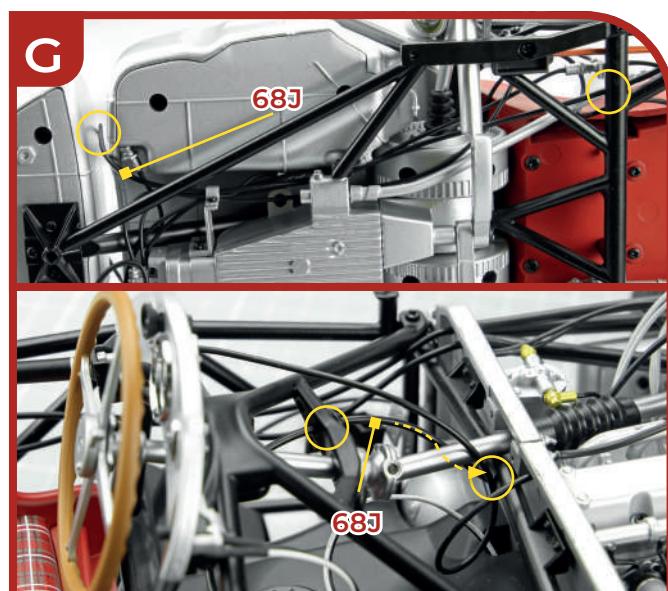
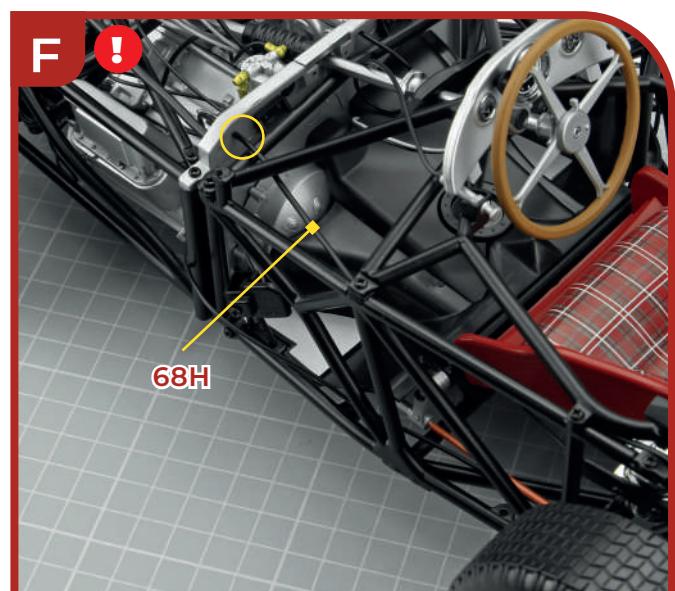
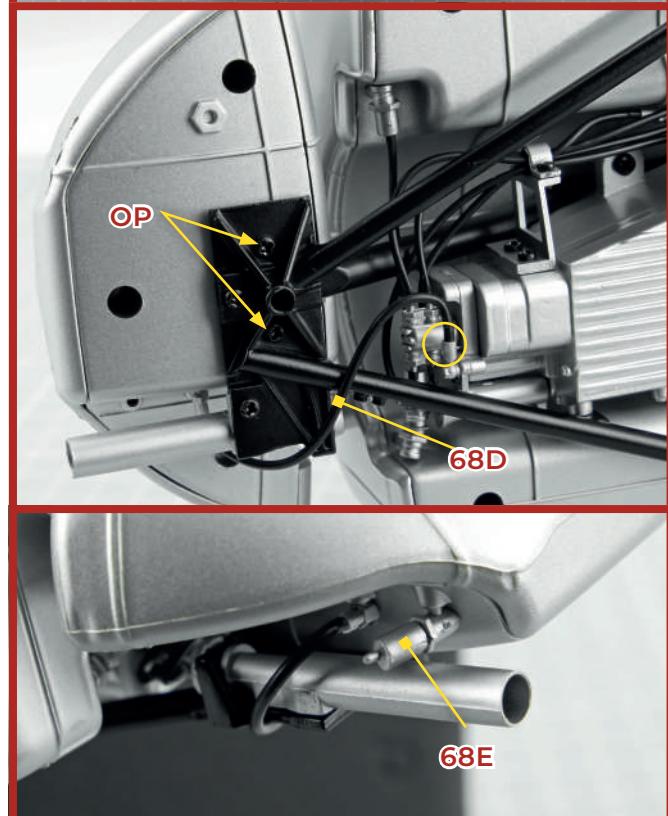
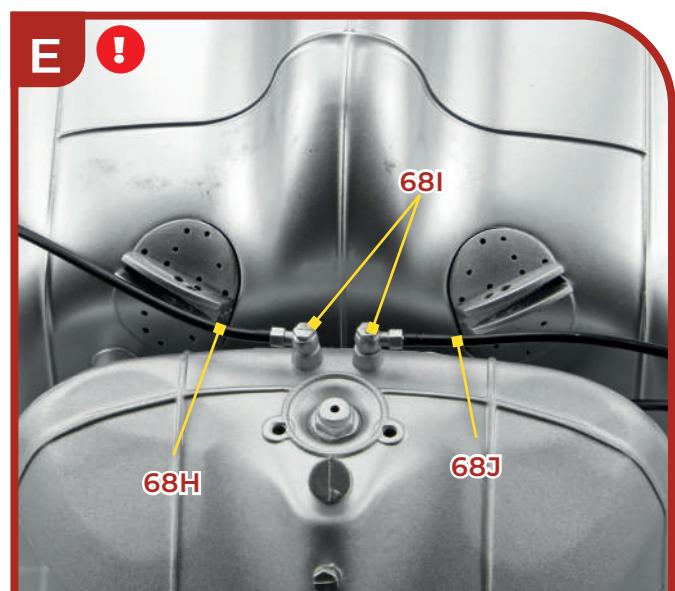
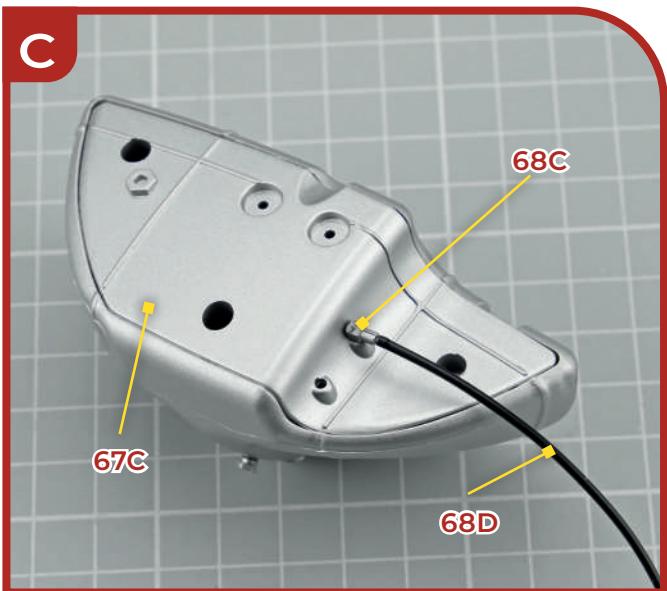
68A Shaft part A
68B Shaft part B
68C Detail 1
68D Tube 1
68E Detail 2
68F Bracket 1 (L)

68G Bracket 2 (R)
68H Tubes 2 (x2)
68I Details 3 (x2)
68J Tubes 3 (x2)
68K Details 4 (x2)
68L Adhesive tape (x2)

AP 4 screws (1.7 x 4 mm)
HP 3 screws (1.7 x 5 mm)
OP 3 screws (2 x 7 mm)



Stage 68: Mounting the Oil Tank



Stage 68: Mounting the Oil Tank

