

1955 BRITISH GRAND PRIX WINNER

MERCEDES-BENZ W196 R



Pack 08

BUILD INSTRUCTIONS

STAGE 48: FITTING THE REAR
LEFT TYRE (REGULAR)

STAGE 52: ASSEMBLING THE
RADIATOR FRAME

STAGE 57: PREPARING THE
COCKPIT FLOOR PANEL

STAGE 48B: FITTING THE REAR
LEFT TYRE (EASY)

STAGE 53: ATTACHING THE
RADIATOR PANELS

STAGE 58: FIXING THE CLUTCH
BELL HOUSING

STAGE 49: INSTALLING THE
REAR BRAKE DISTRIBUTOR
AND BRAKE LINE

STAGE 54: DETAILING AND
FITTING THE RADIATOR

STAGE 59: FITTING THE
COCKPIT FLOOR PANEL

STAGE 50: BUILDING THE
GEAR LEVER

STAGE 55: BUILDING THE
SEAT FRAME

STAGE 60: DETAILING THE
COCKPIT FRAME AND FITTING
THE STEERING WHEEL

STAGE 51: CONSTRUCTING THE
STEERING BOX

STAGE 56: FITTING THE SEAT
PADDING AND HEADREST

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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/>

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You may also need to loosen the two screws on the cross member **20A**. Insert the front of the cockpit floor first.

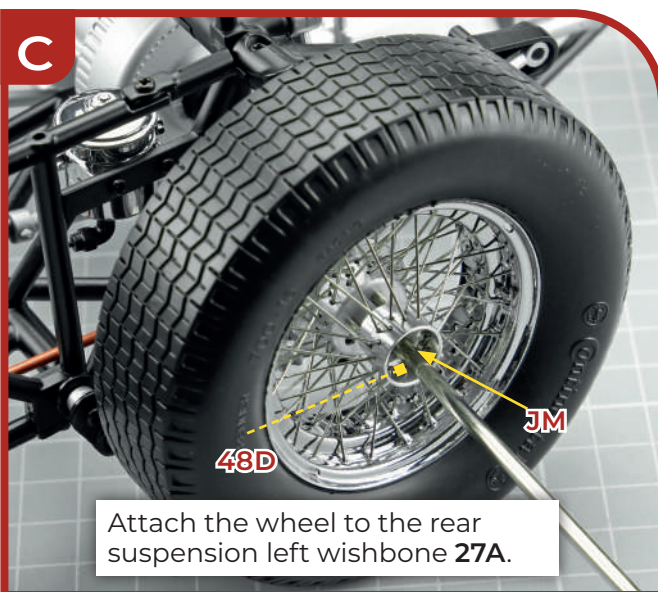
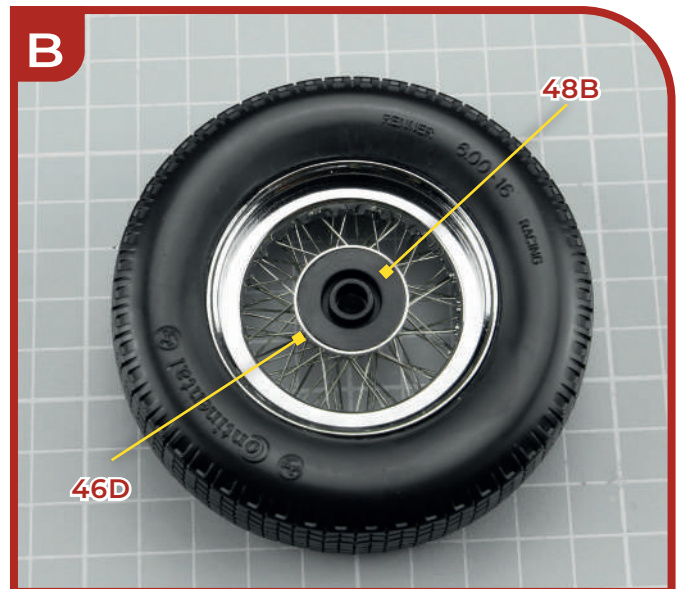
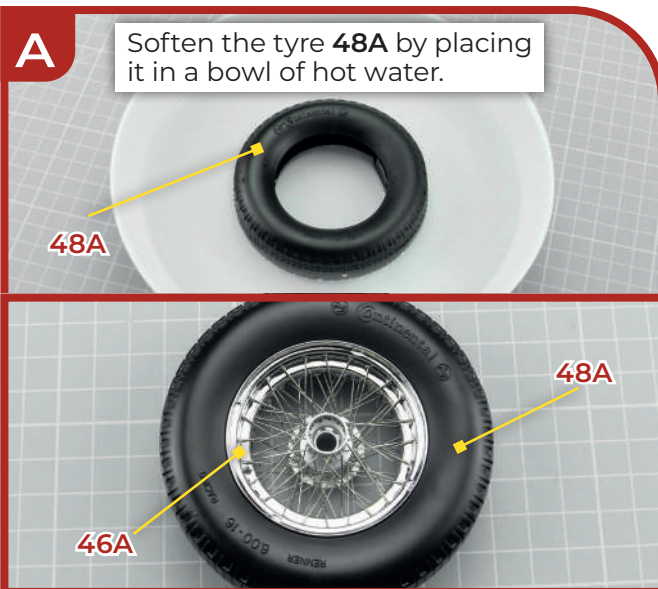
Stage 48: Fitting the Rear Left Tyre (Regular)

5-48# PARTS LIST



- 48A Tyre
- 48B Hub 3
- 48C Hubcap
- 48D Washer ring
- JM 2 screws (2 x 5 mm)

REGULAR ASSEMBLY



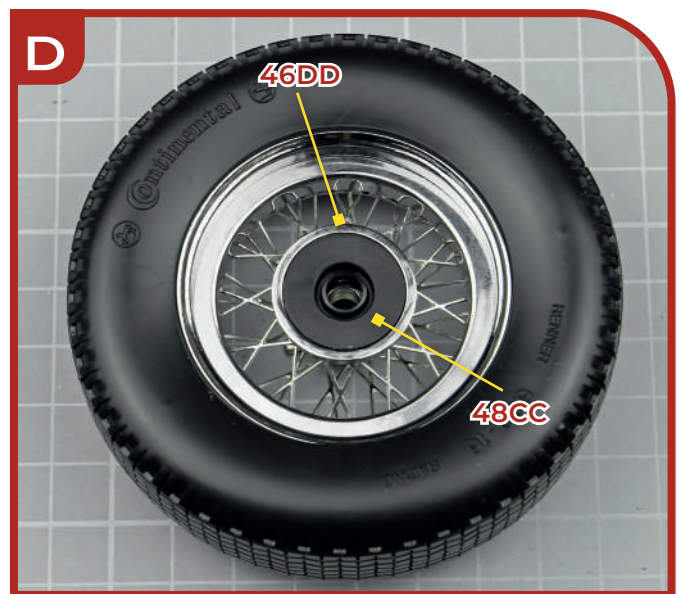
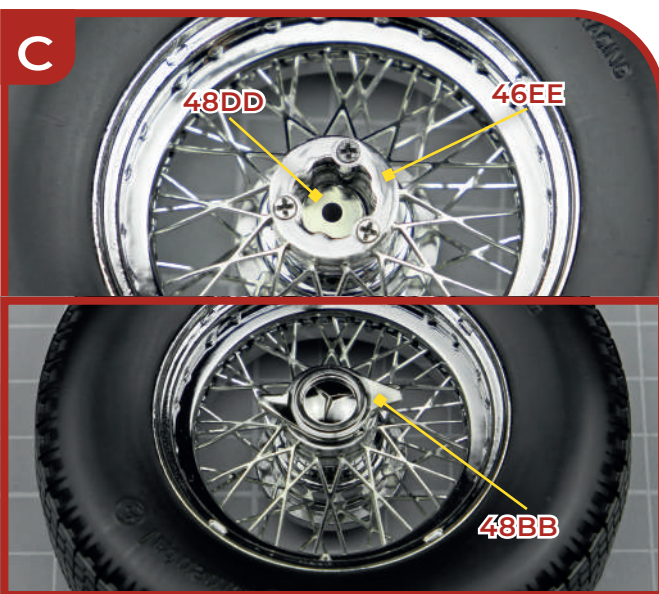
Stage 48B: Fitting the Rear Left Tyre (Easy)

5-48B# PARTS LIST



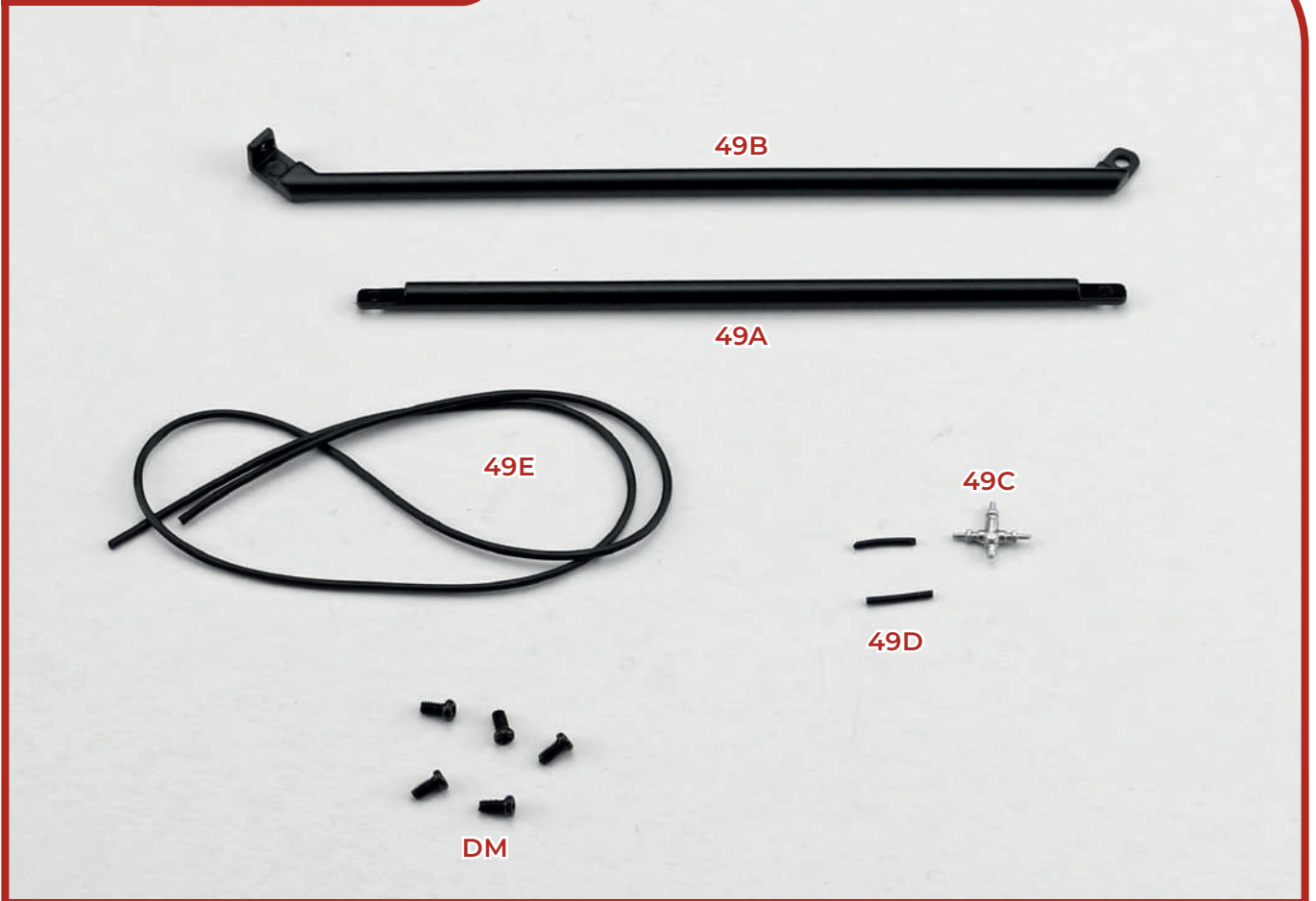
- 48AA Tyre
- 48BB Hubcap
- 48CC Hub 5
- 48DD Washer ring
- JM 2 screws (2 x 5 mm)

EASY ASSEMBLY



Stage 49: Installing the Rear Brake Distributor and Brake Line

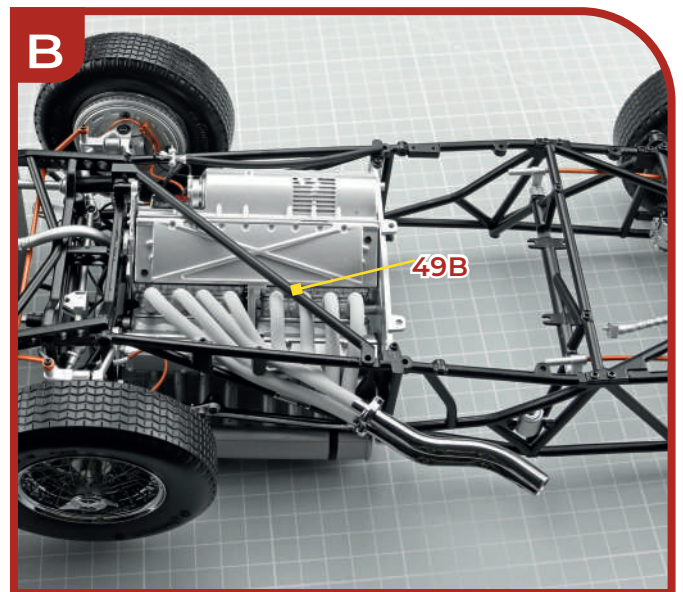
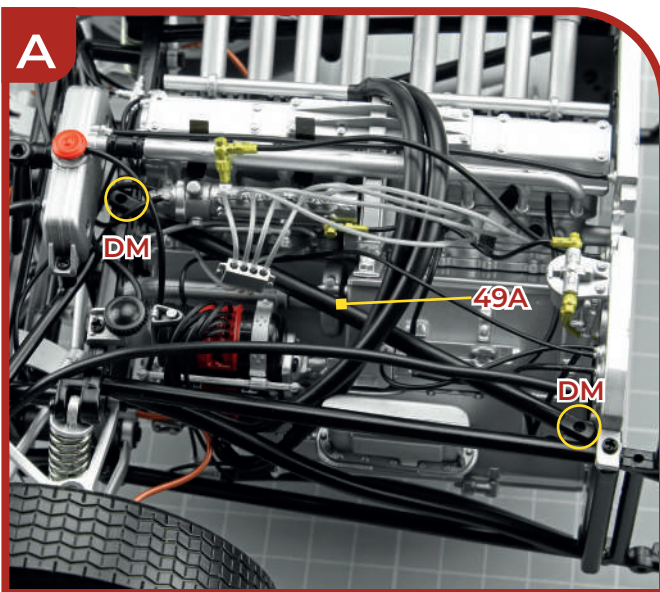
5-49# PARTS LIST



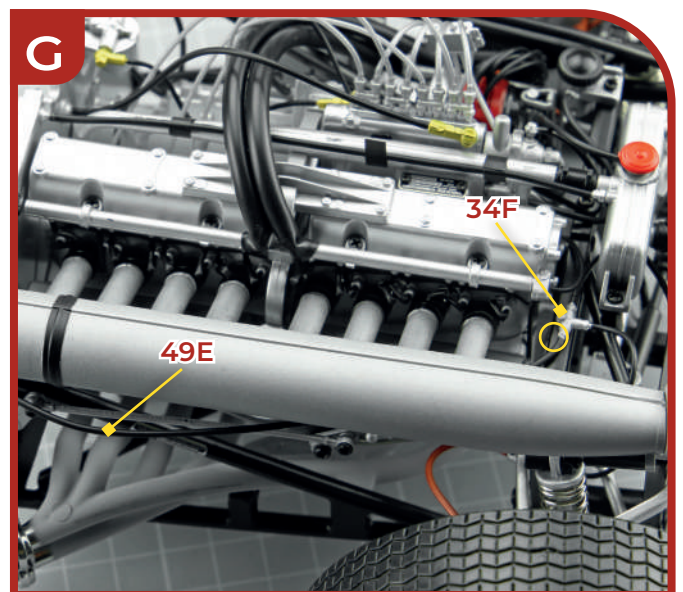
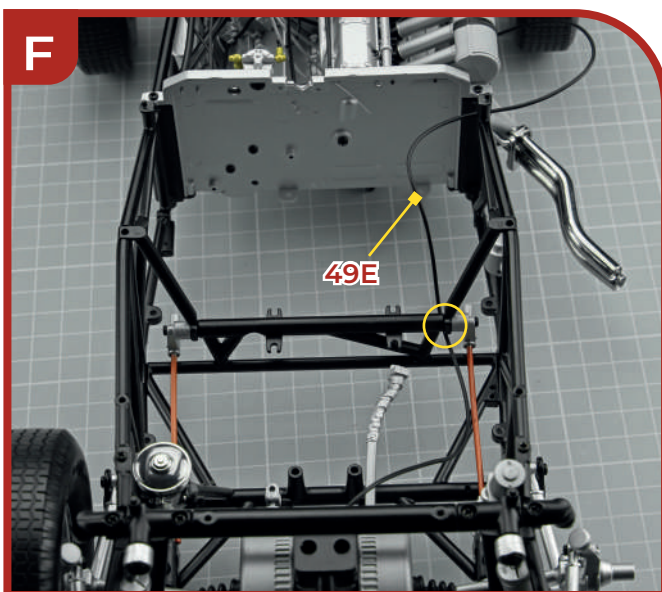
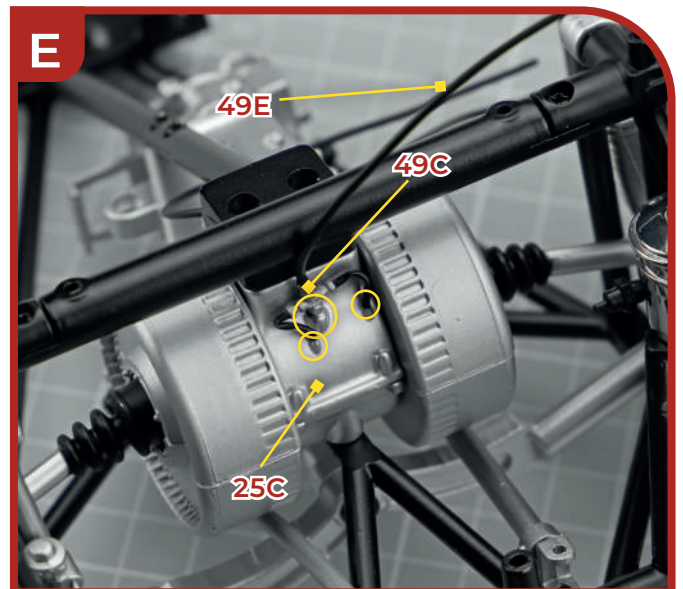
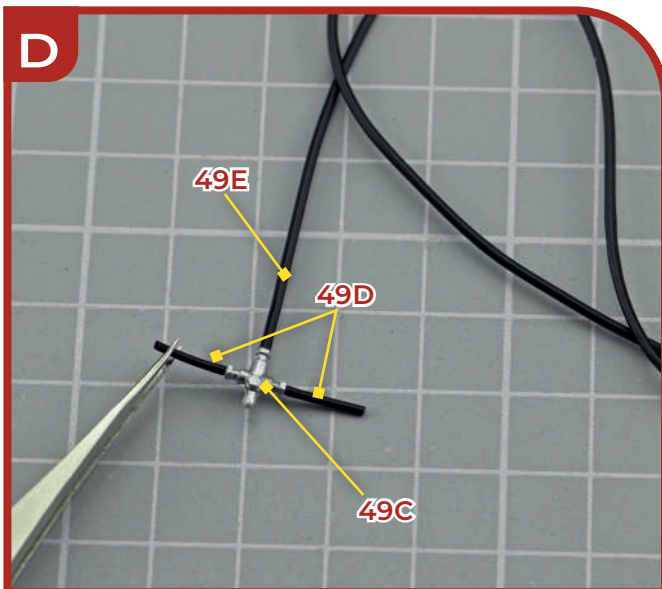
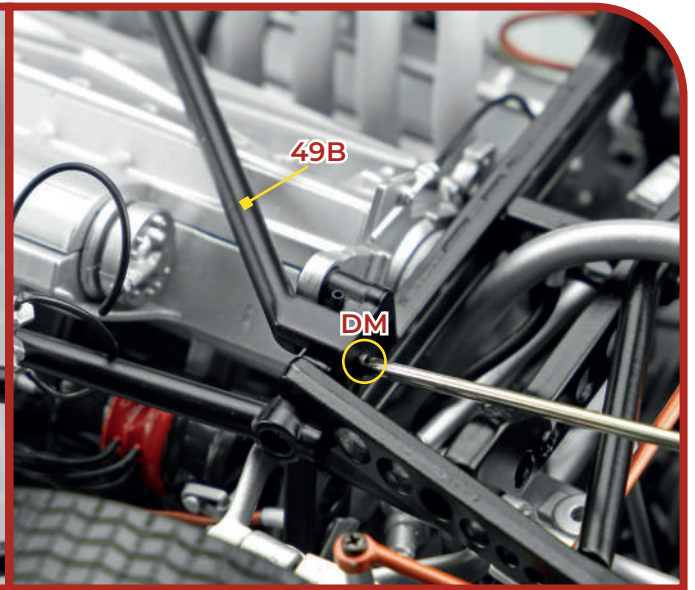
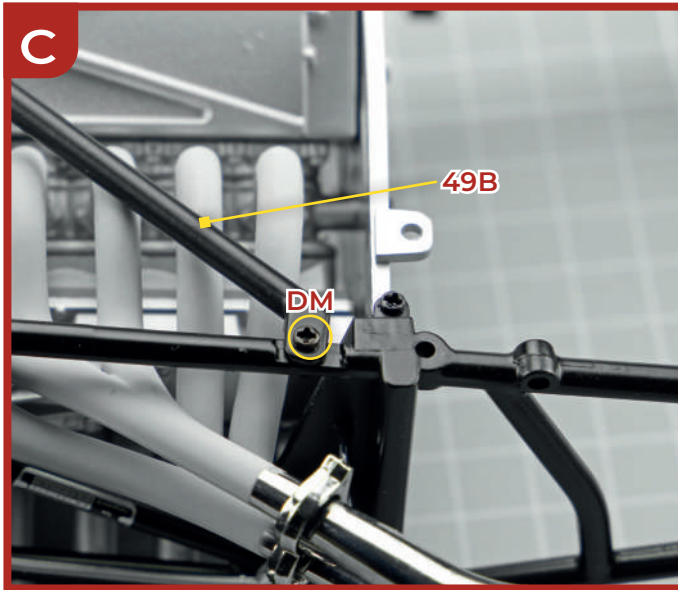
49A Front chassis upper rod
49B Front chassis lower rod
49C Rear brake distributor

49D Tubes (x2)
49E Rear brake line

DM 5 screws (2 x 4 mm)

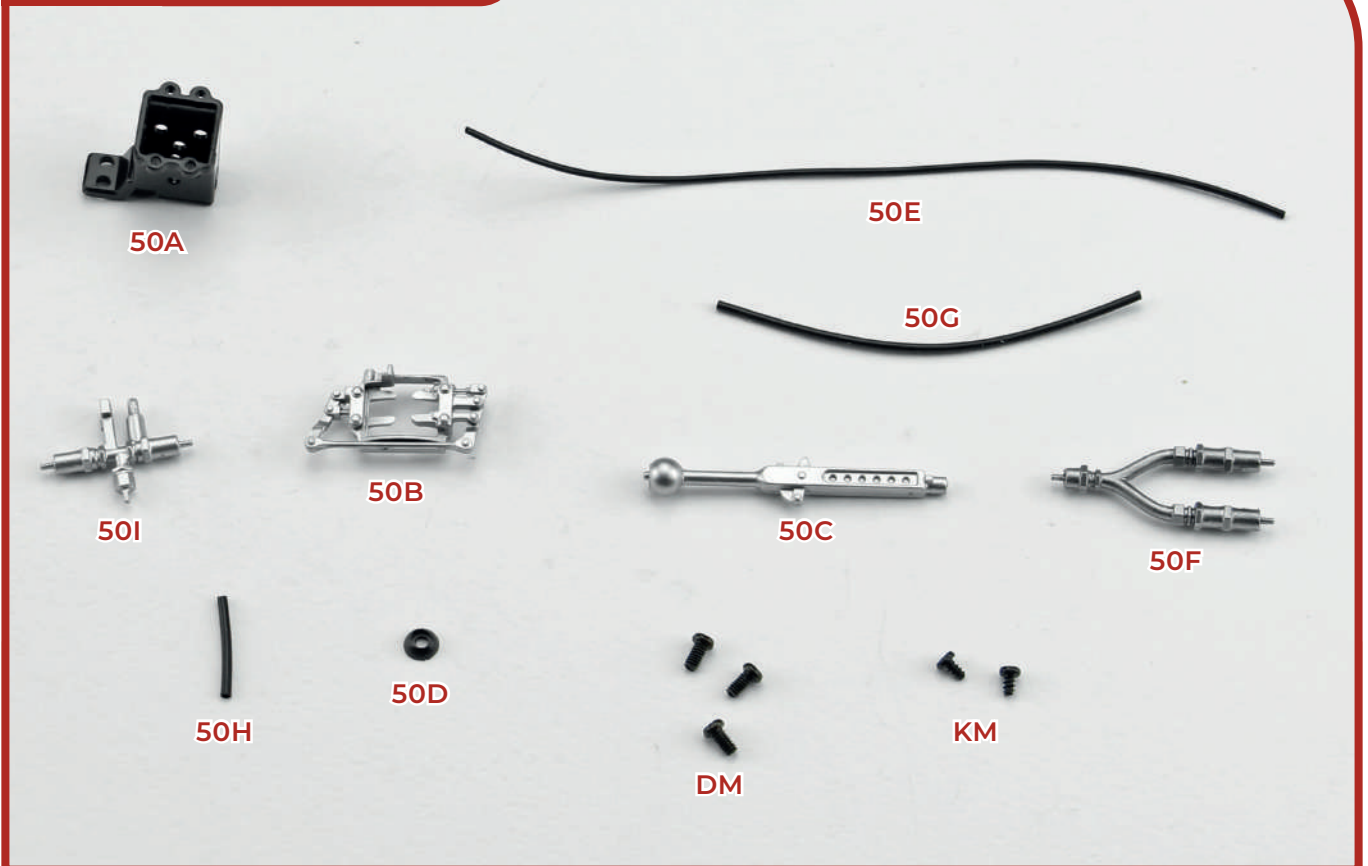


Stage 49: Installing the Rear Brake Distributor and Brake Line

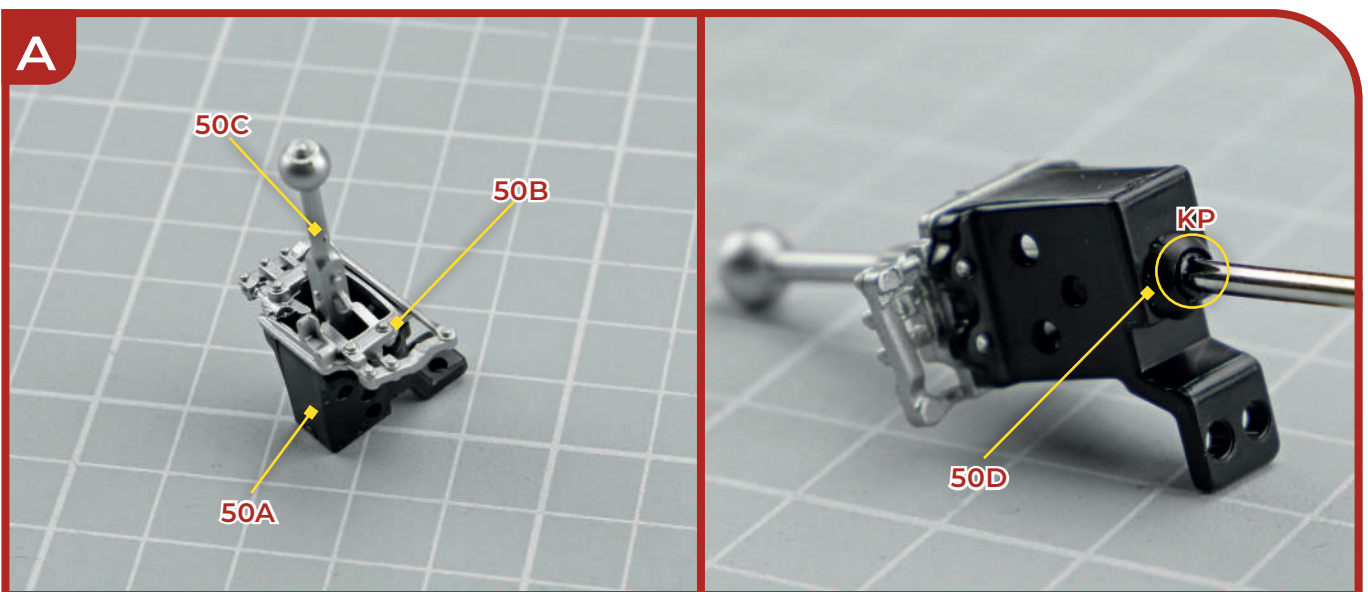


Stage 50: Building the Gear Lever

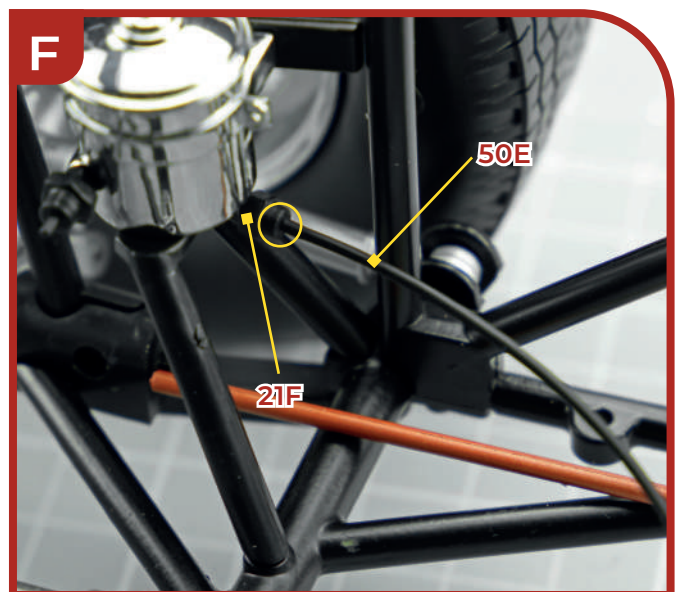
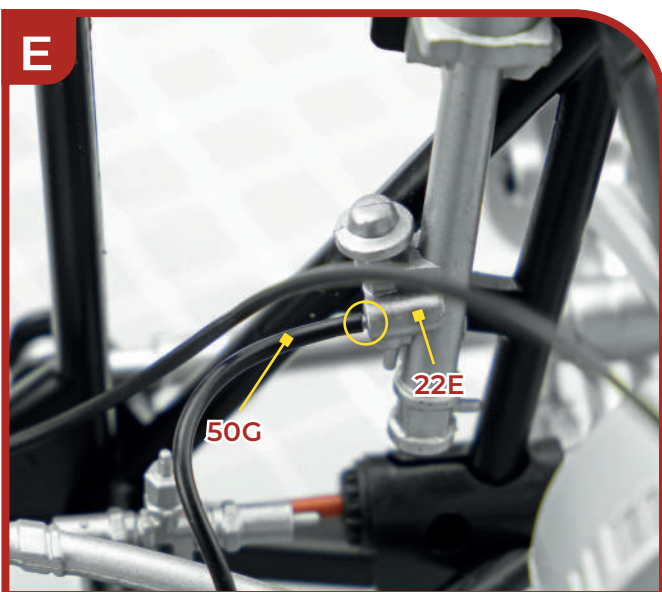
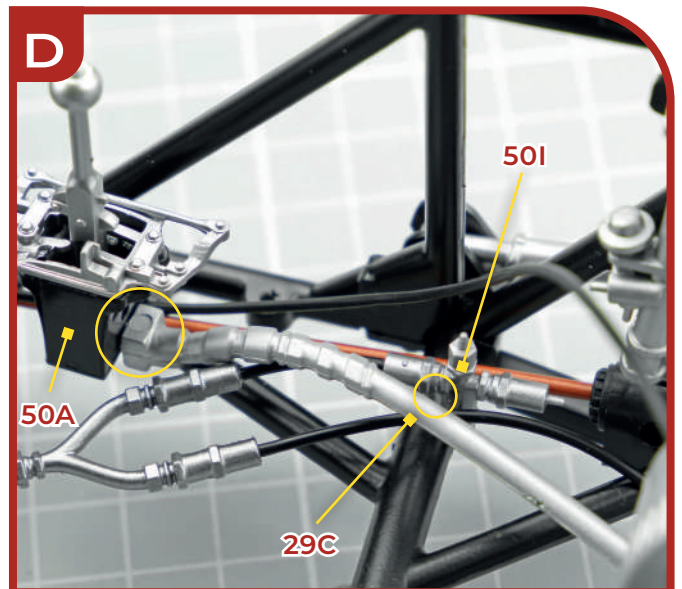
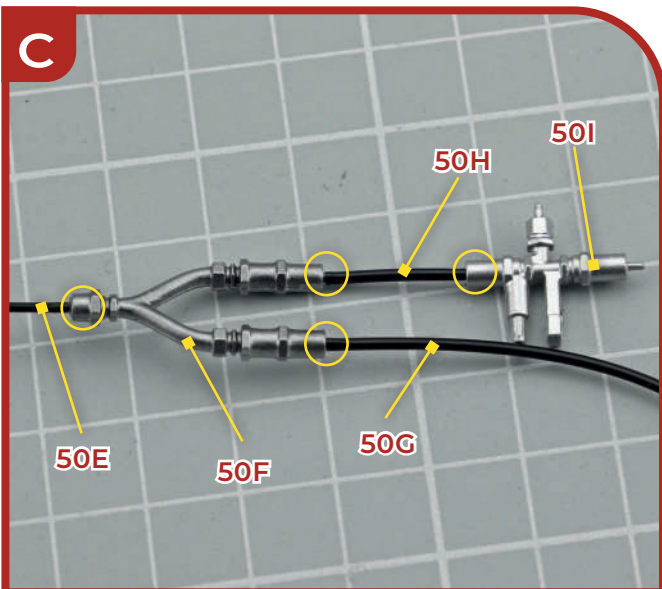
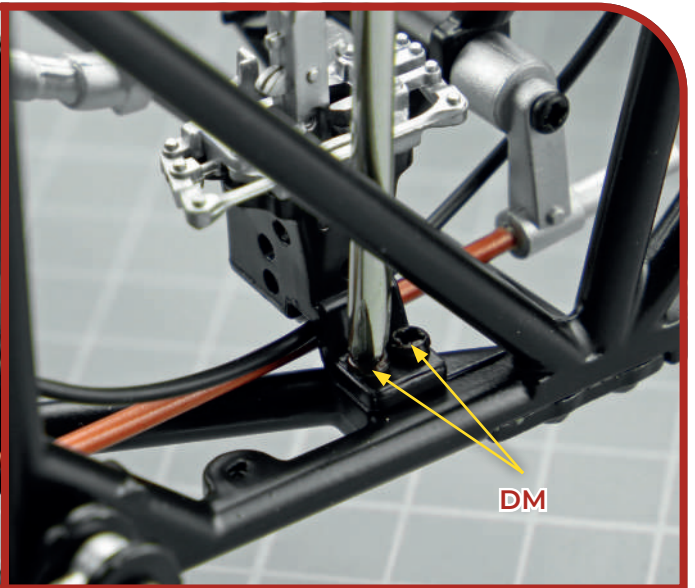
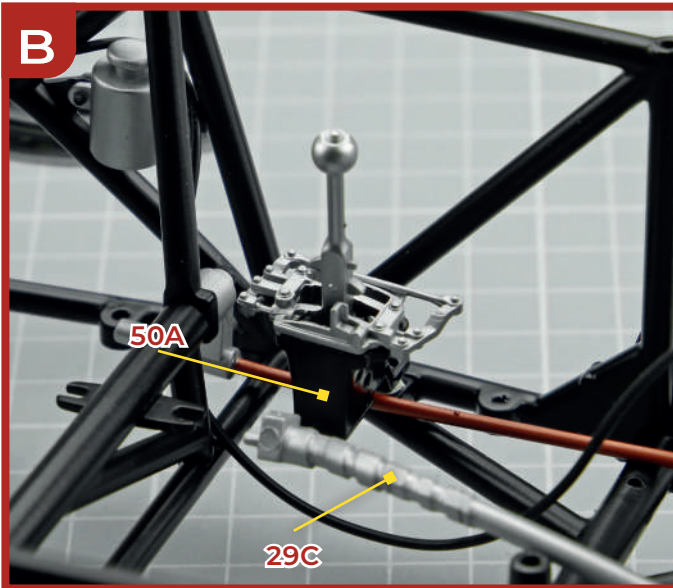
5-50# PARTS LIST



- | | | | | | |
|------------|--------------------|------------|---------------|-----------|-----------------------|
| 50A | Gear lever base | 50F | Y-shaped pipe | KP | 2 screws (1.7 x 3 mm) |
| 50B | Gear lever support | 50G | Tube 2 | DM | 3 screws (2 x 4 mm) |
| 50C | Gear lever | 50H | Tube 3 | | |
| 50D | Washer ring | 50I | Pipe | | |
| 50E | Tube 1 | | | | |

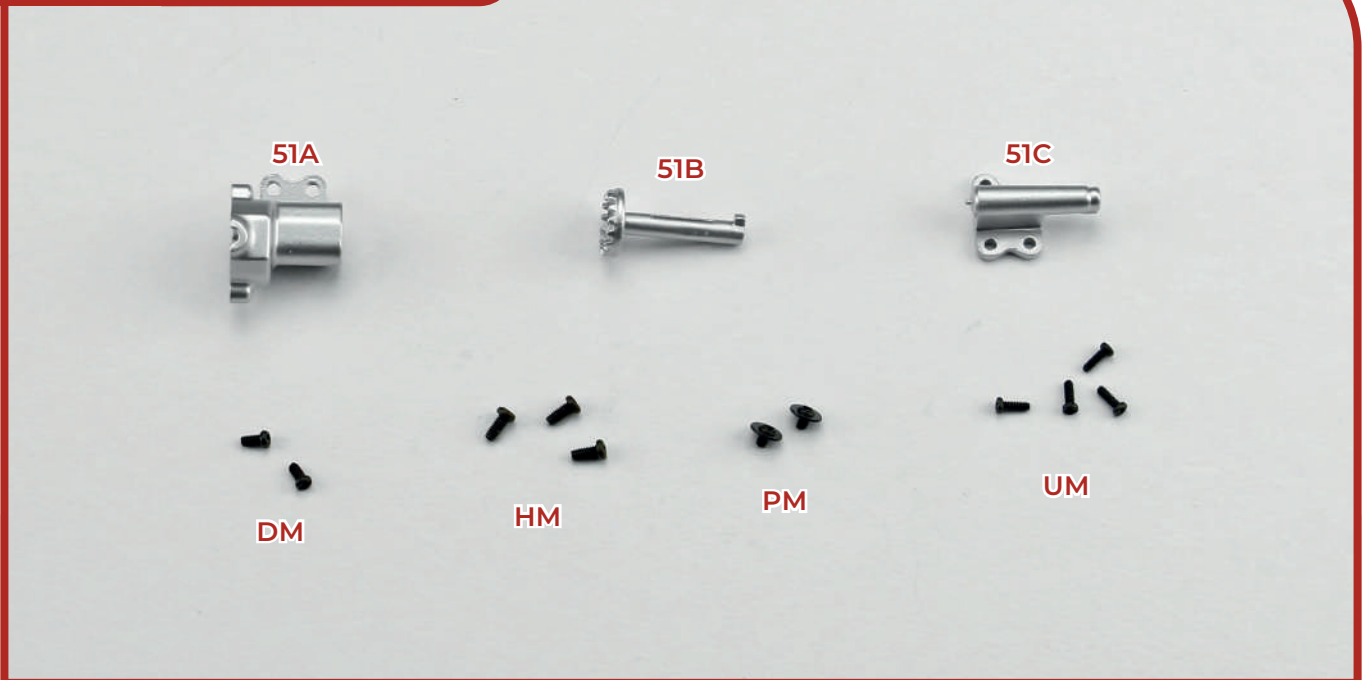


Stage 50: Building the Gear Lever

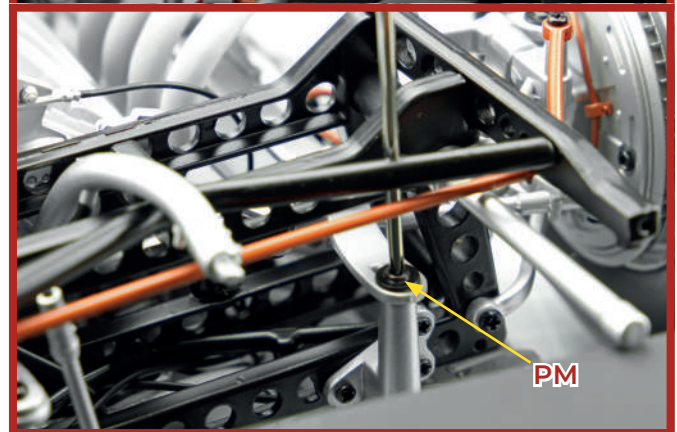
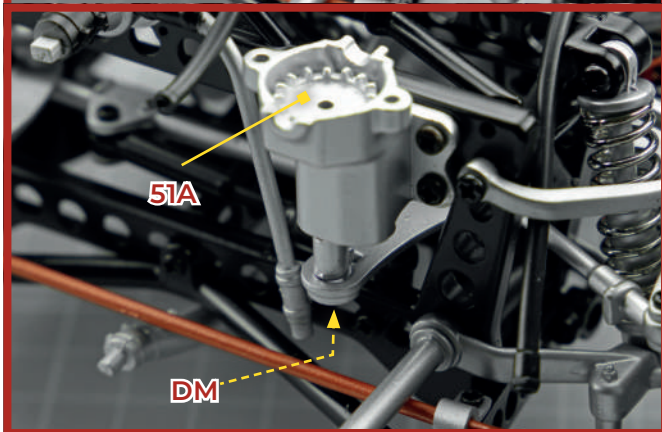
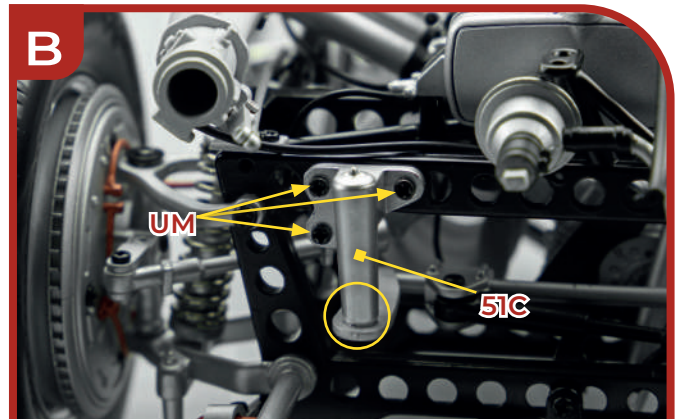
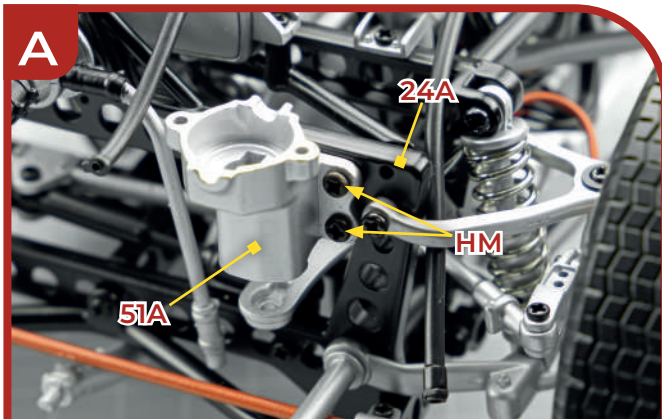


Stage 51: Constructing the Steering Box

5-51# PARTS LIST

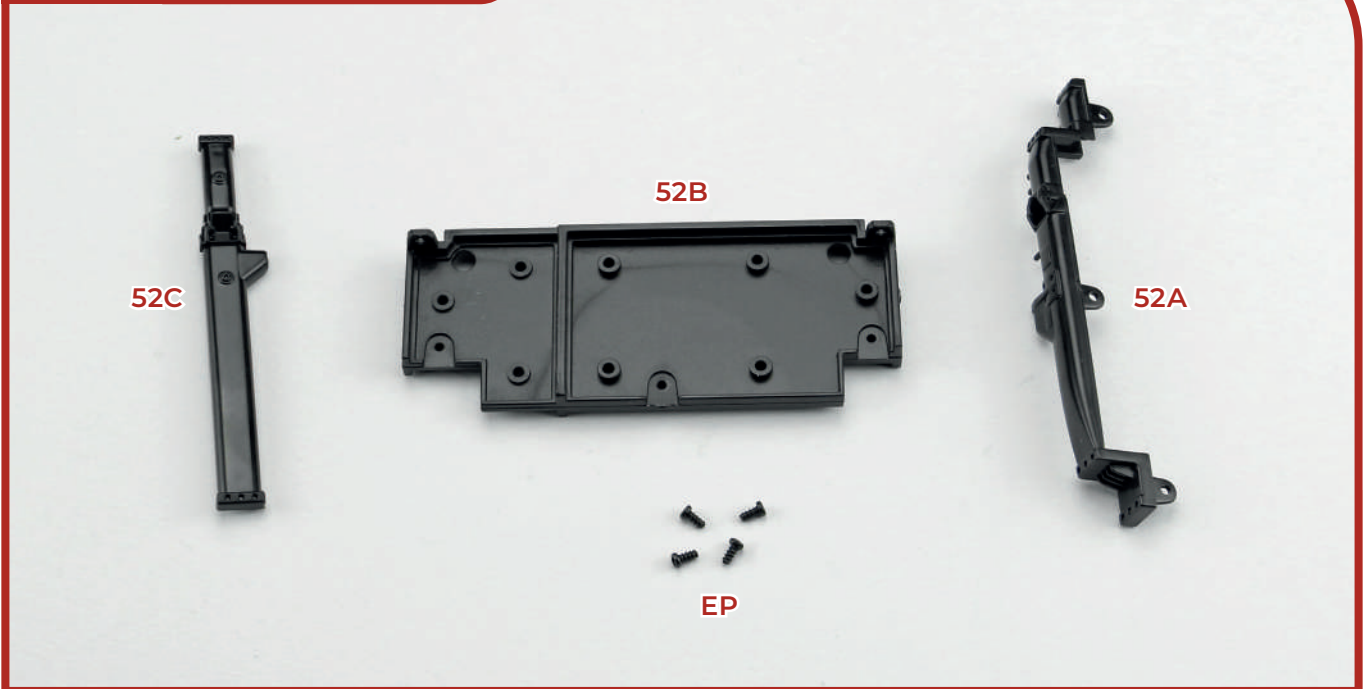


| | | | | | |
|------------|------------------|-----------|-------------------------|-----------|-----------------------|
| 51A | Steering box | DM | 2 screws (2 x 4 mm) | UM | 4 screws (1.7 x 5 mm) |
| 51B | Steering gear | HM | 3 screws (2.3 x 5 mm) | | |
| 51C | Steering support | PM | 2 screws (2 x 3 x 6 mm) | | |

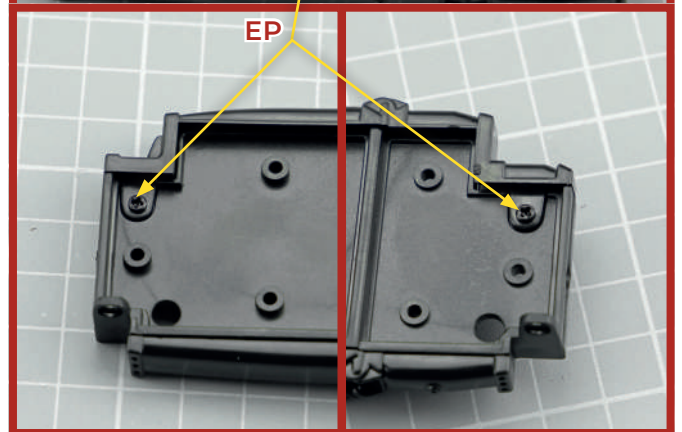
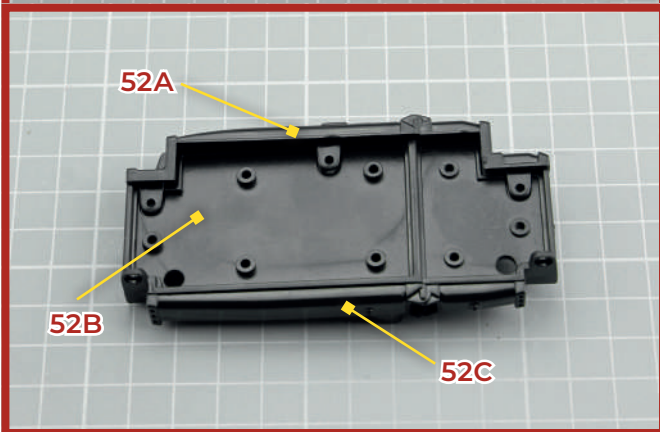
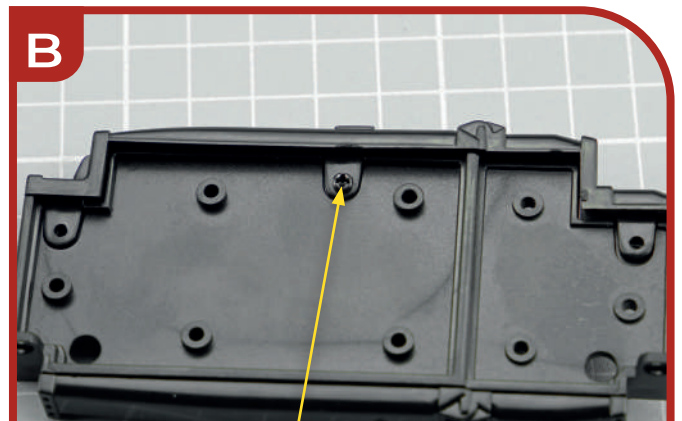
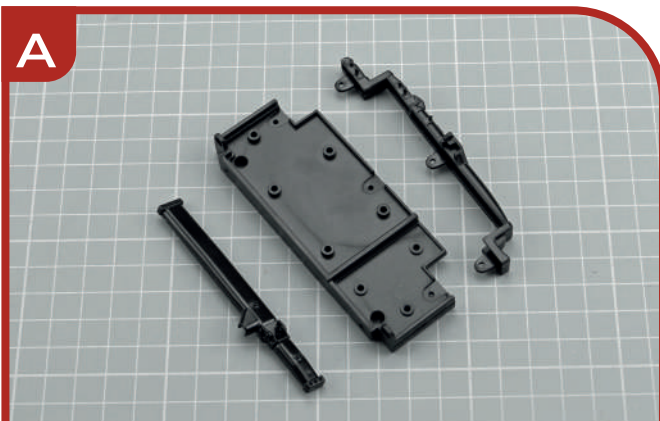


Stage 52: Assembling the Radiator Frame

5-52# PARTS LIST

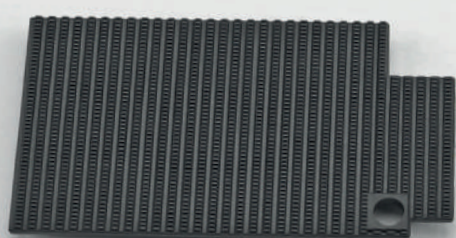


| | | | | | |
|------------|----------------------|------------|----------------------|-----------|---------------------|
| 52A | Radiator upper cover | 52C | Radiator lower cover | EP | 4 screws (2 x 4 mm) |
| 52B | Radiator frame | | | | |

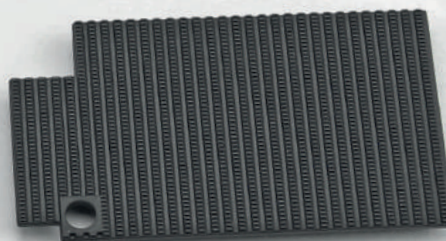


Stage 53: Attaching the Radiator Panels

5-53# PARTS LIST



53B

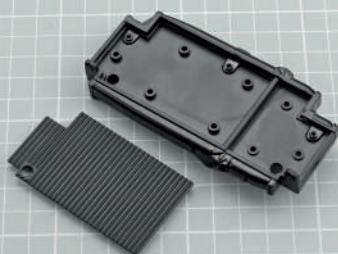


53A

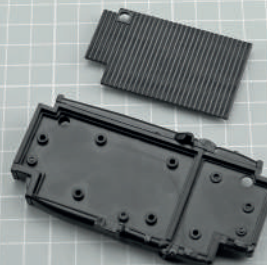
53A Radiator front panel

53B Radiator rear panel

A



B



53A



52B

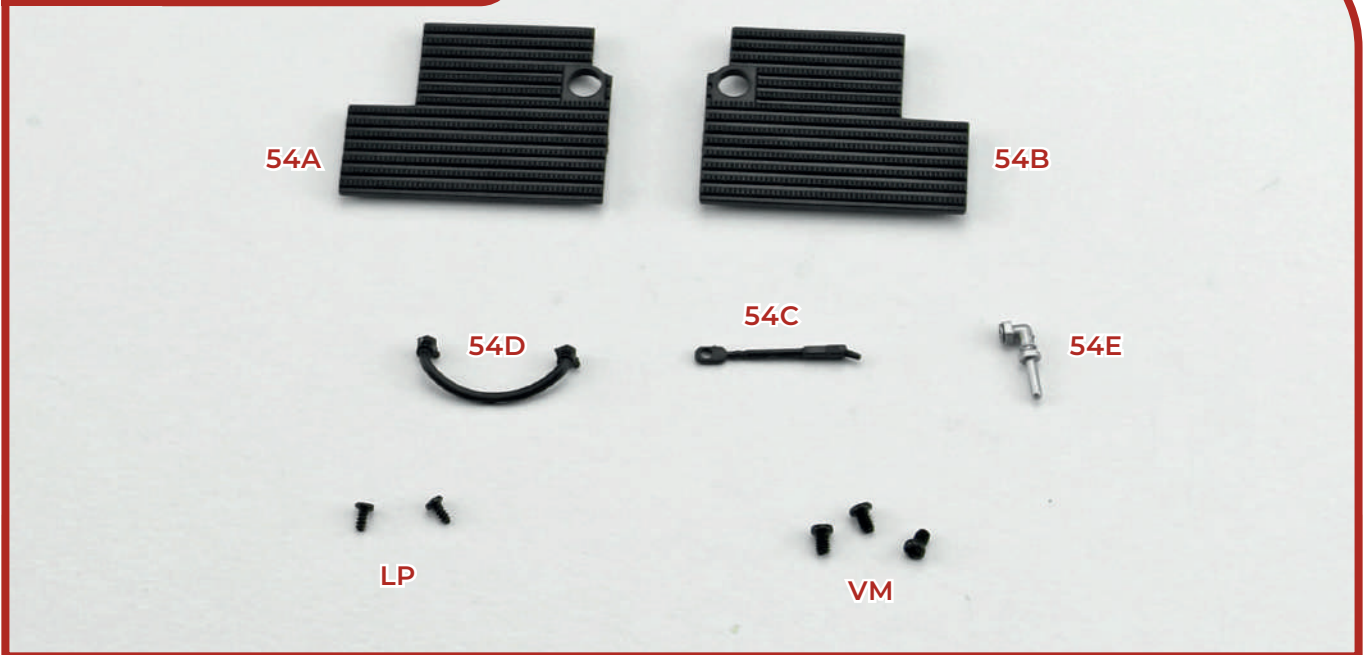
53B



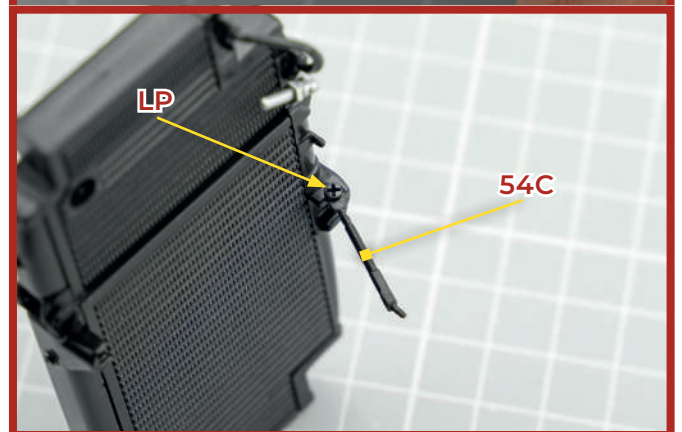
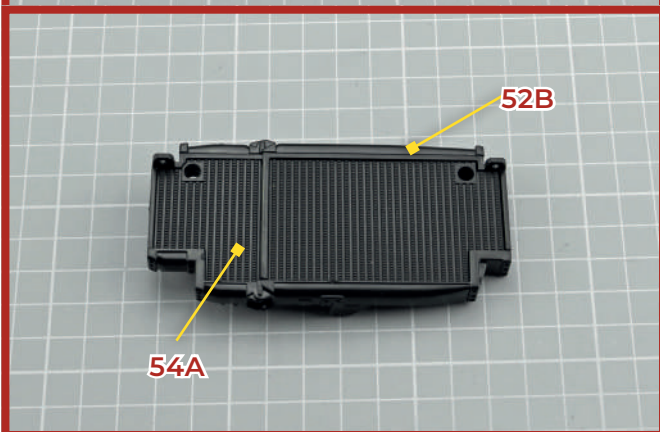
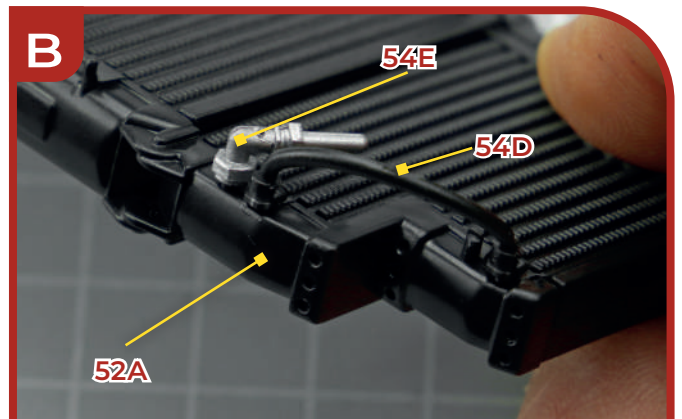
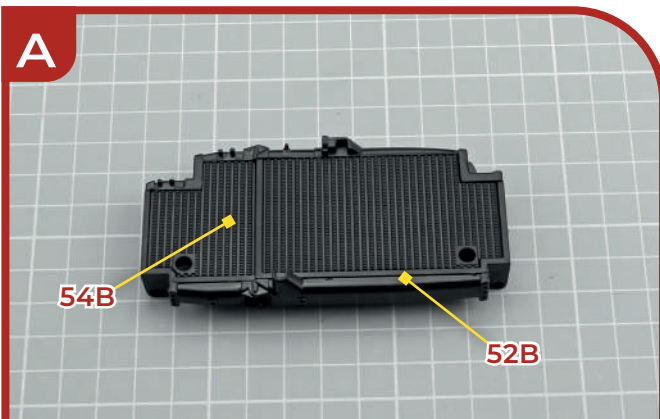
52B

Stage 54: Detailing and Fitting the Radiator

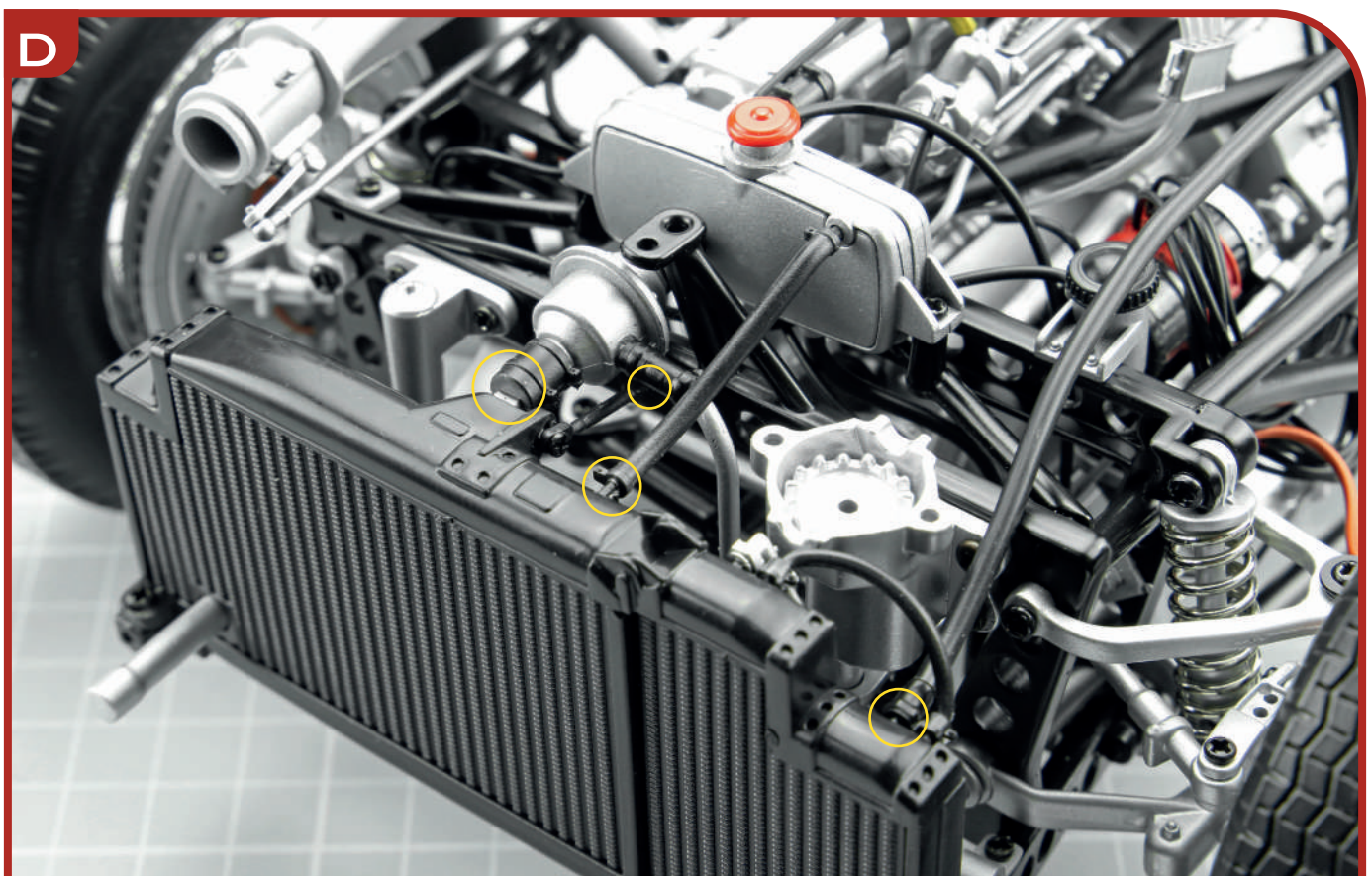
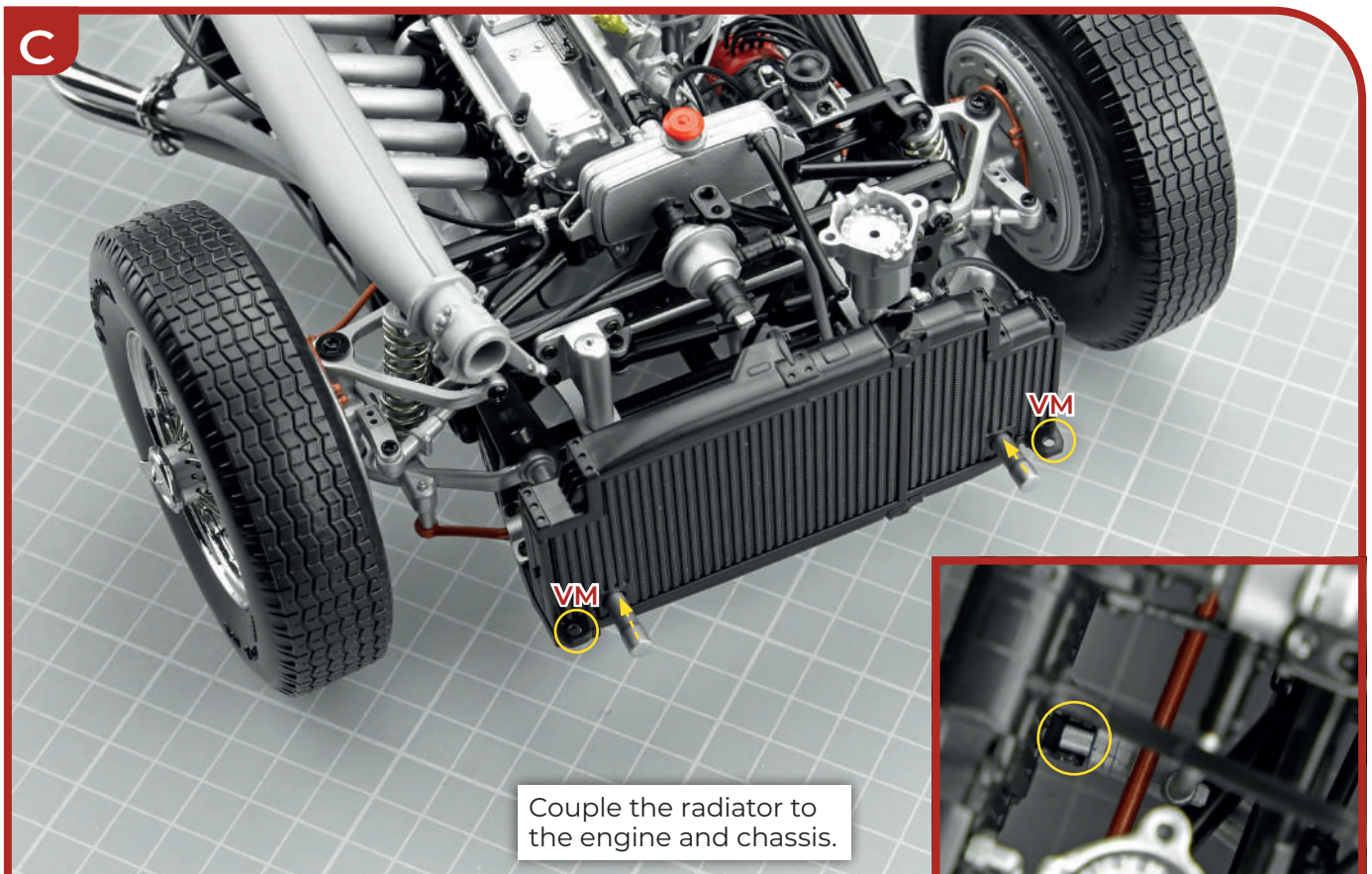
5-54# PARTS LIST



- | | | | | | |
|------------|--------------------------|------------|--------|-----------|-----------------------|
| 54A | Oil radiator front panel | 54D | Pipe 1 | LP | 2 screws (1.5 x 3 mm) |
| 54B | Oil radiator rear panel | 54E | Pipe 2 | VM | 3 screws (2 x 3 mm) |
| 54C | Radiator shock absorber | | | | |



Stage 54: Detailing and Fitting the Radiator



Stage 55: Building the Seat Frame

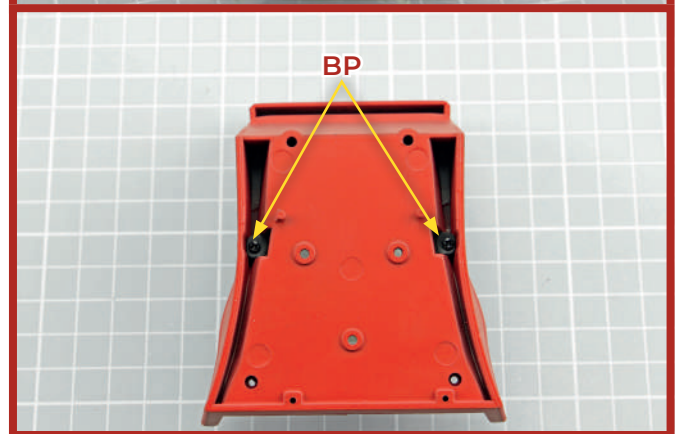
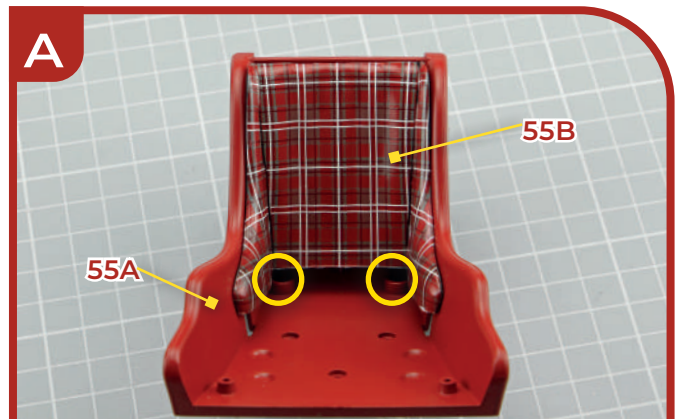
5-55# PARTS LIST



55A Seat frame
55B Seatback

55C Back padding

BP 3 screws (2 x 5 mm)



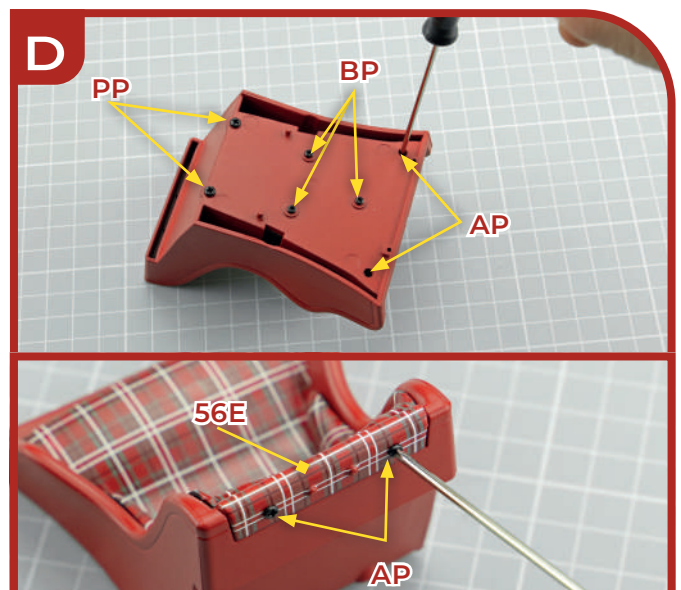
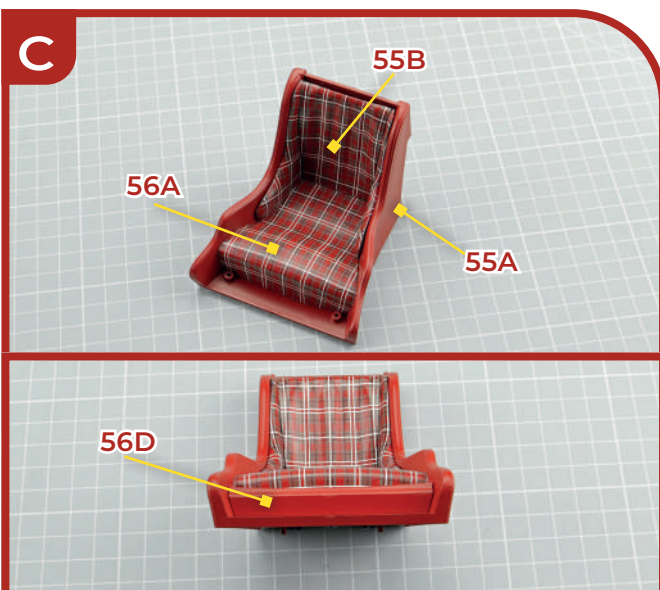
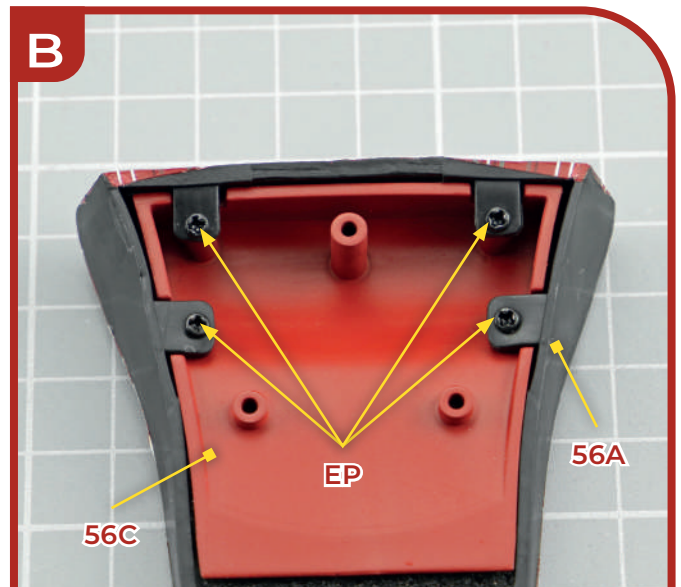
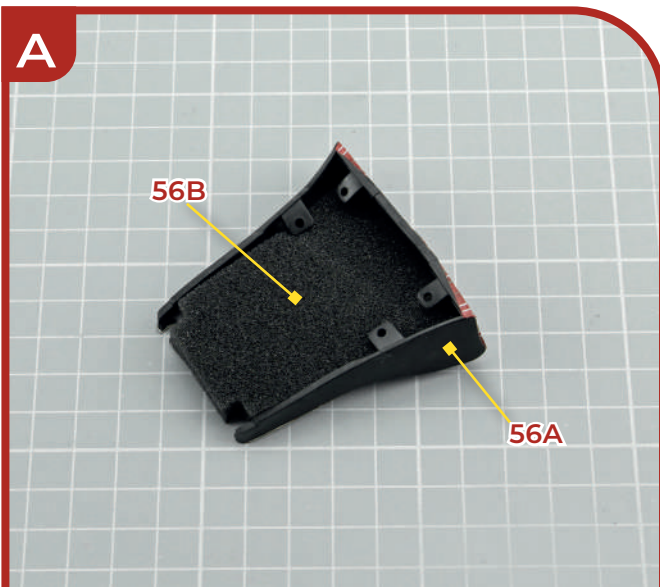
Stage 56: Fitting the Seat Padding and Headrest

5-56# PARTS LIST



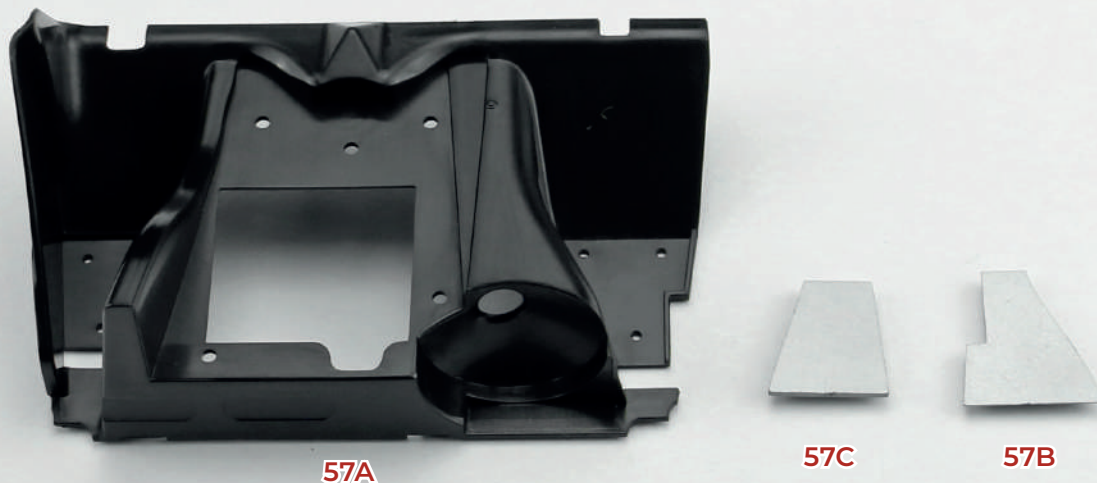
- 56A Seat
- 56B Seat padding
- 56C Frame part A
- 56D Frame part B
- 56E Headrest

- AP 5 screws (1.7 x 4 mm)
- BP 4 screws (2 x 5 mm)
- EP 5 screws (2 x 4 mm)
- PP 3 screws (2.6 x 7 mm)



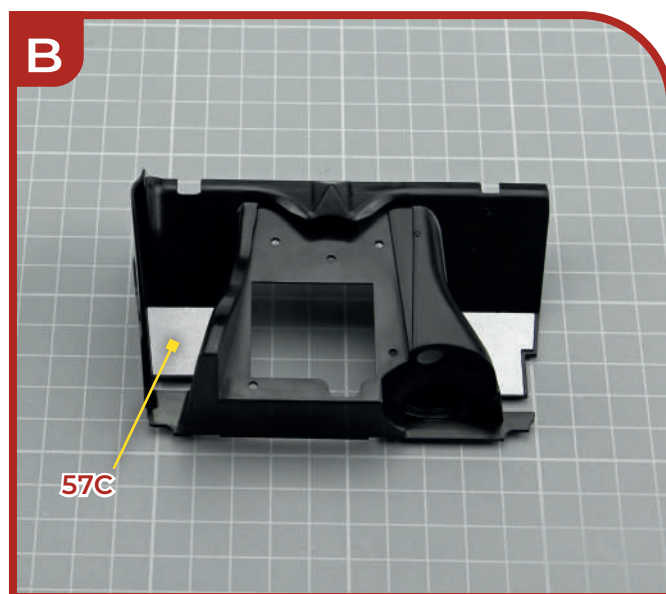
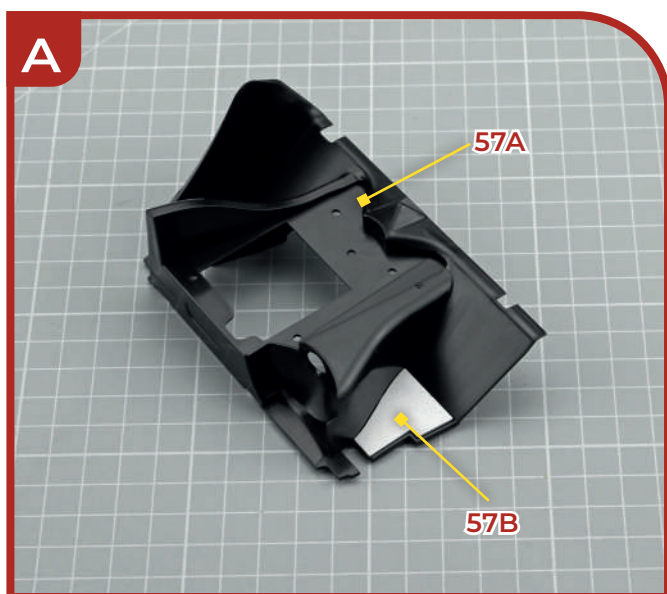
Stage 57: Preparing the Cockpit Floor Panel

5-57# PARTS LIST



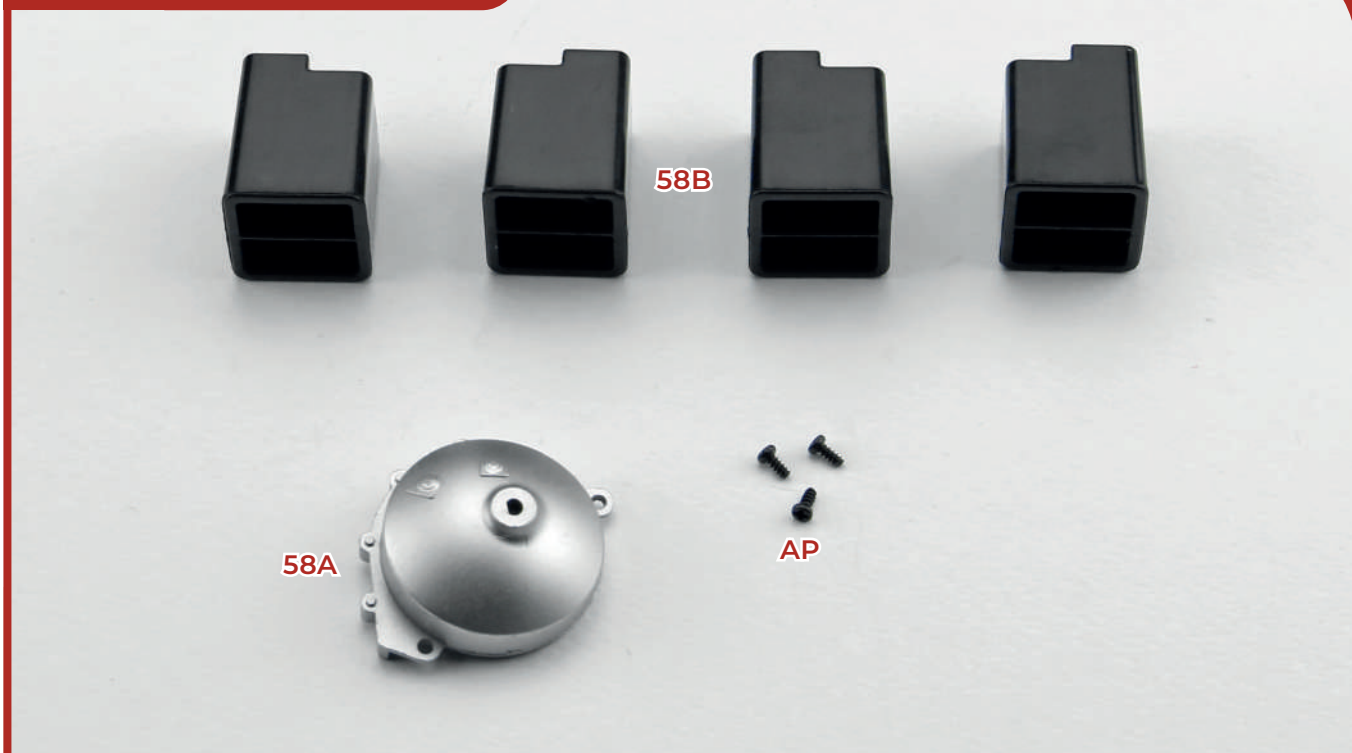
57A Cockpit floor panel
57B Panel 1

57C Panel 2



Stage 58: Fixing the Clutch Bell Housing

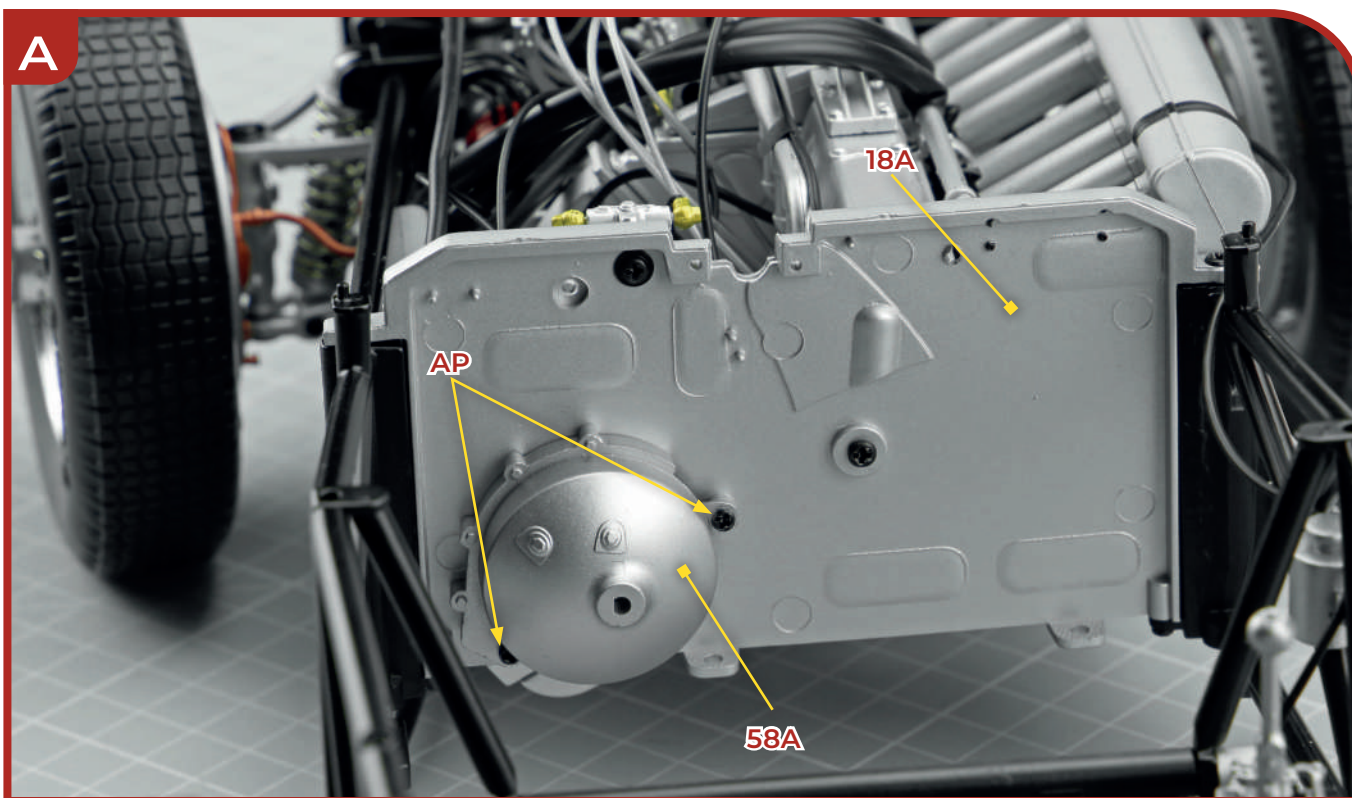
5-58# PARTS LIST



58A Clutch bell housing
58B Model supports (x4)*

* You may choose to put supports **58B** beneath your model to keep wheels raised.

AP 3 screws (1.7 x 4 mm)



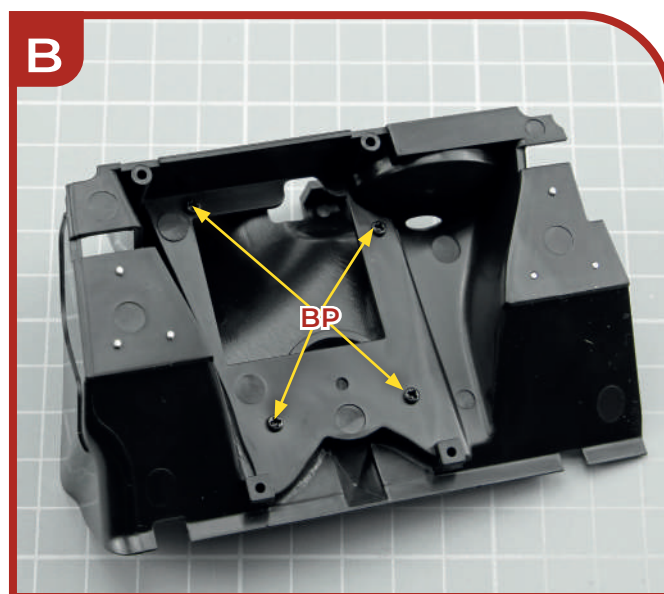
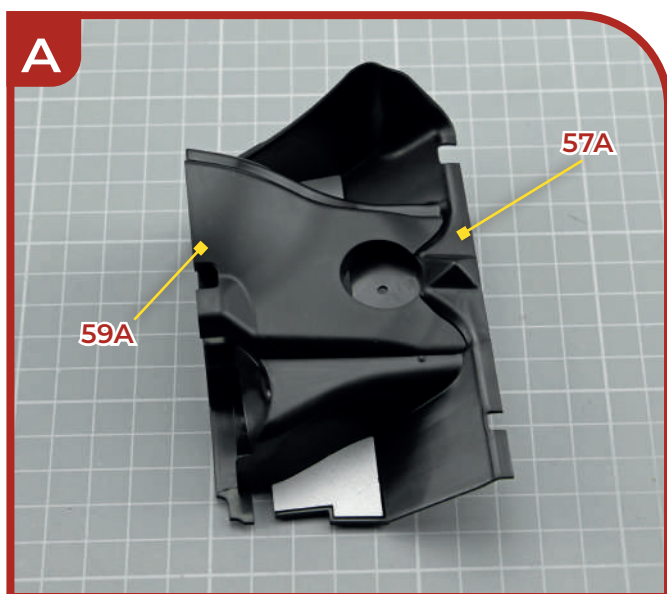
Stage 59: Fitting the Cockpit Floor Panel

5-59# PARTS LIST

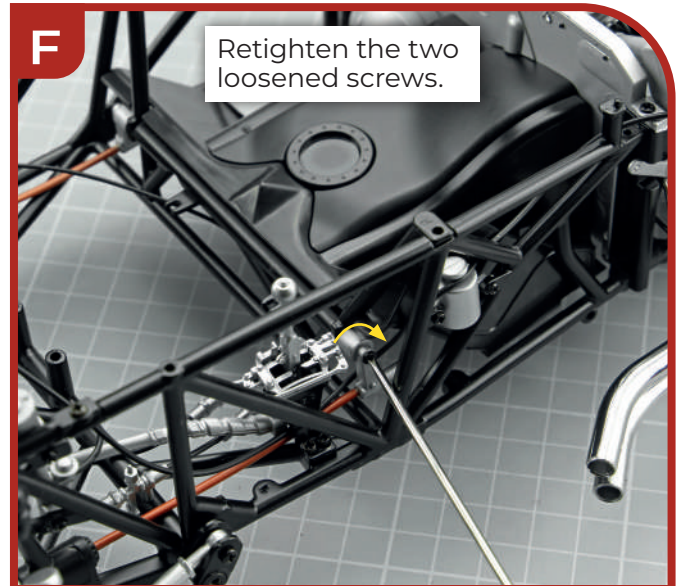
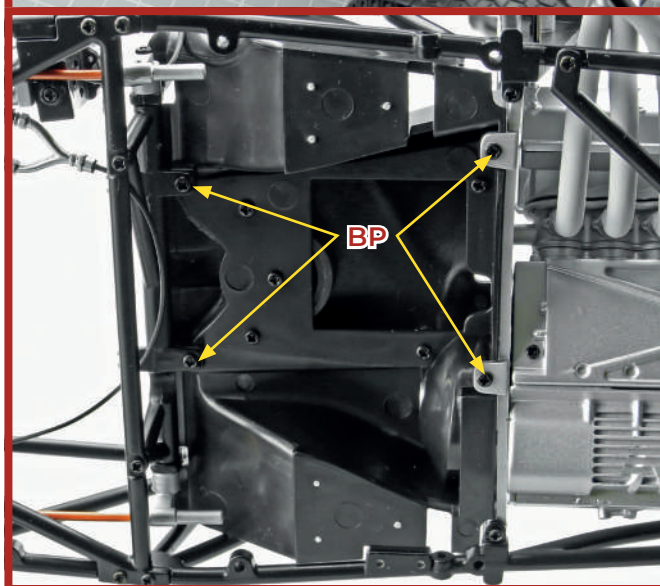
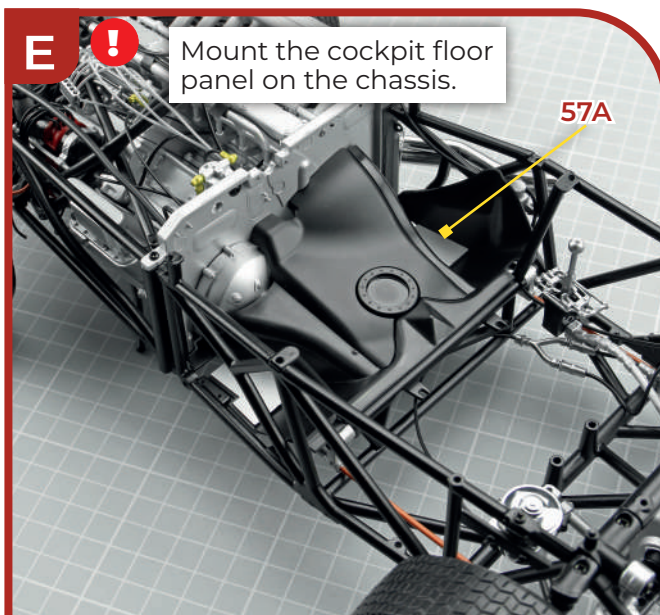
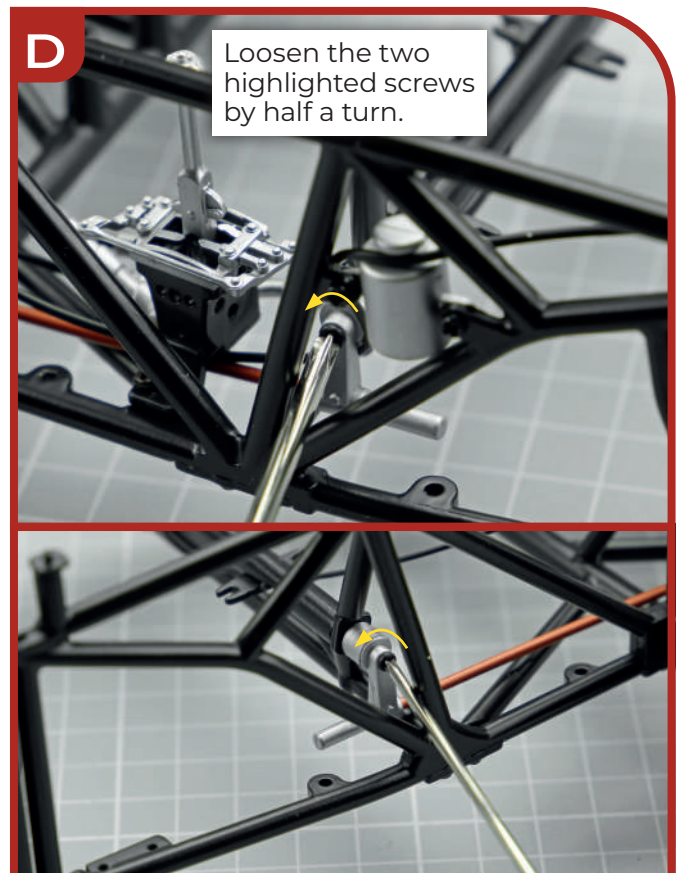
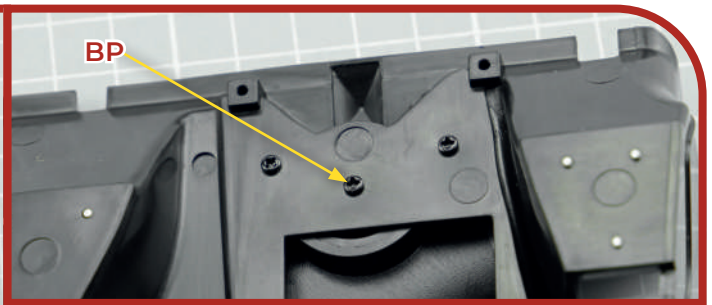
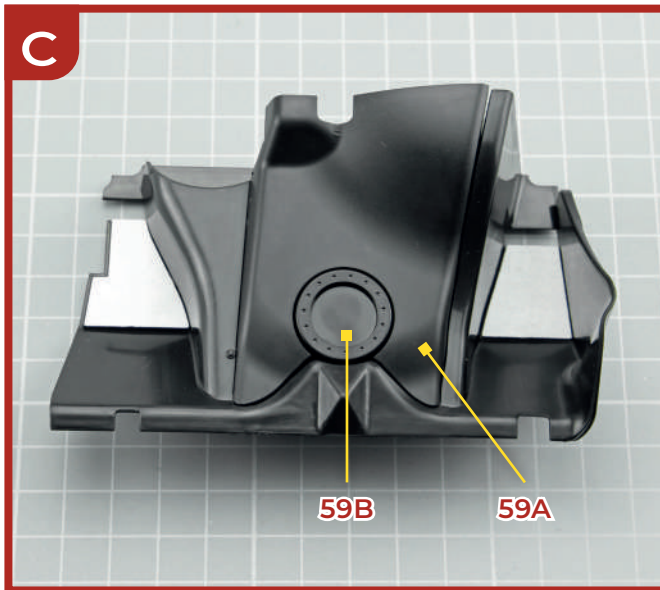


59A Panel 1
59B Panel 2

BP 11 screws (2 x 5 mm)

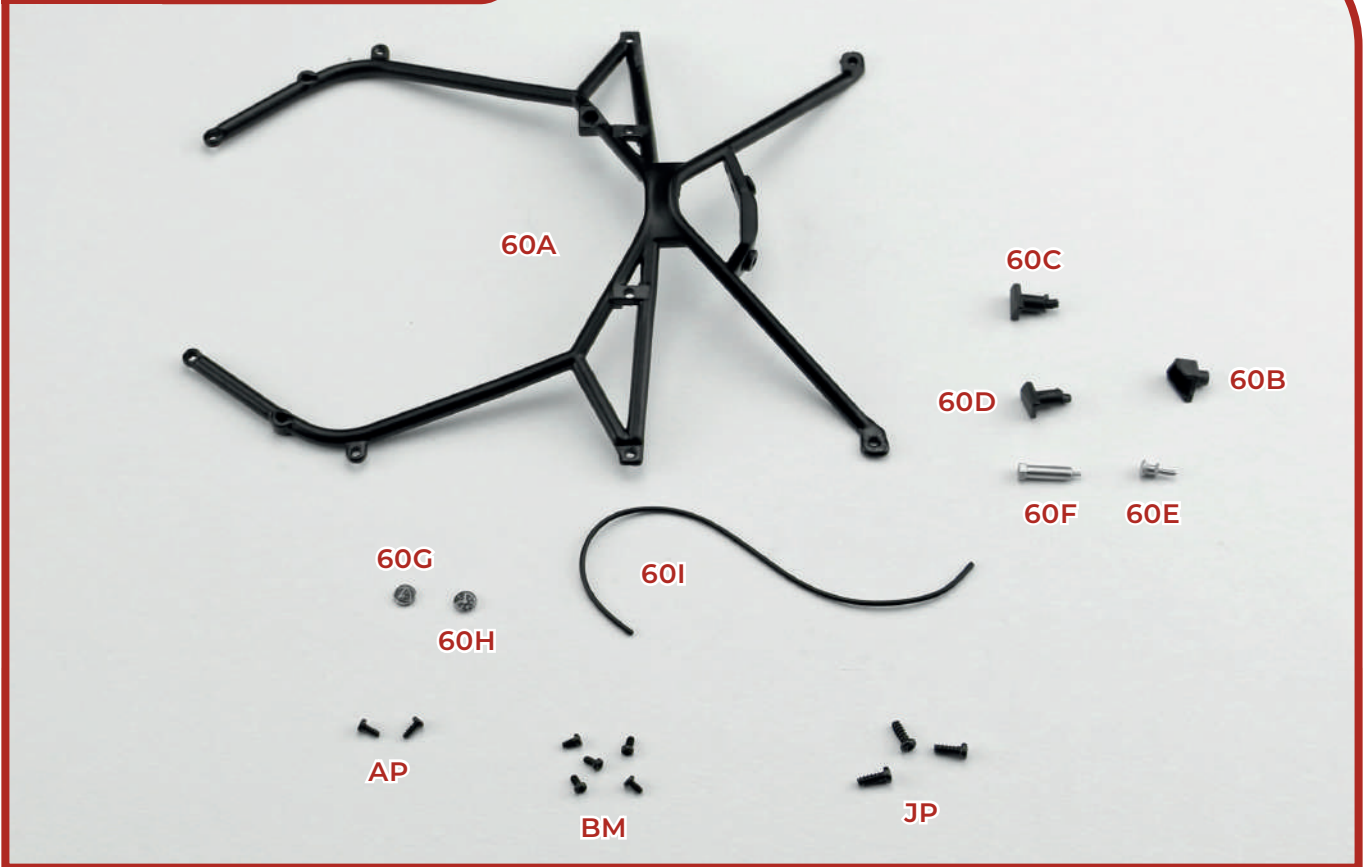


Stage 59: Fitting the Cockpit Floor Panel



Stage 60: Detailing the Cockpit Frame and Fitting the Steering Wheel

5-60# PARTS LIST



60A Cockpit frame

60B Detail 1

60C Detail 2

60D Detail 3

60E Detail 4

60F Detail 5

60G Oil pressure gauge

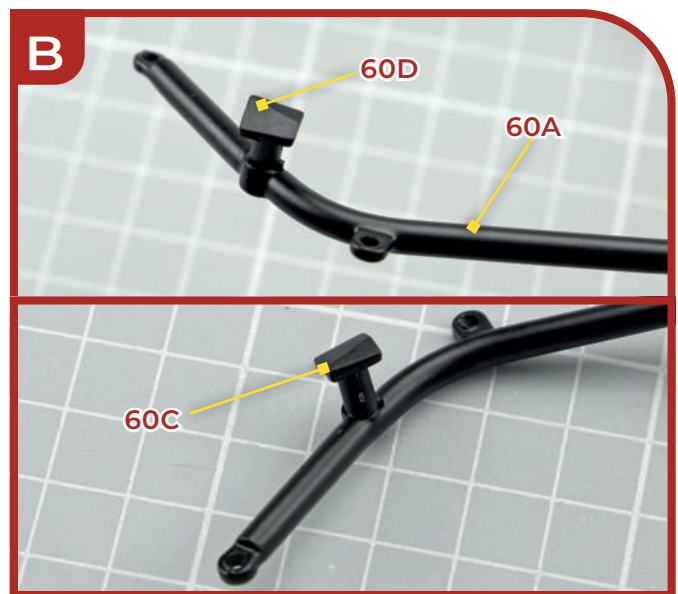
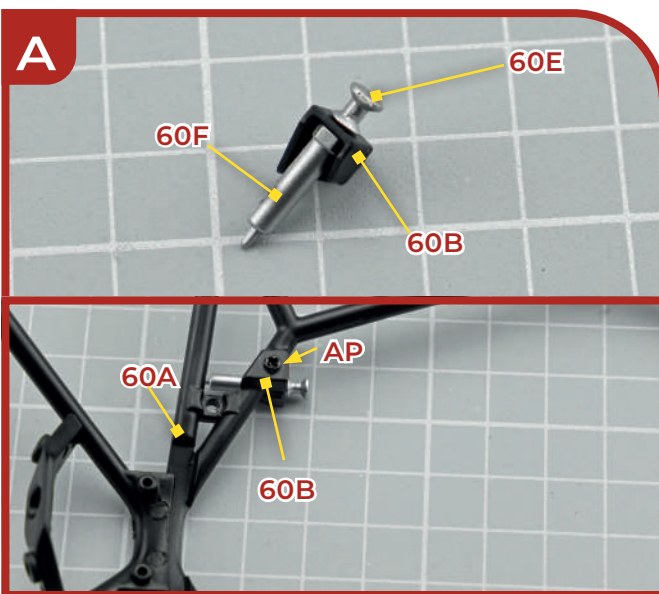
60H Water temperature gauge

60I Tube

AP 2 screws (1.7 x 4 mm)

JP 3 screws (2.3 x 6 mm)

BM 5 screws (1.7 x 3 mm)



Stage 60: Detailing the Cockpit Frame and Fitting the Steering Wheel

