Build the

PORSCHE 917 KH #23 SALZBURG



Over **839** Parts
158 in metal

DIFFICULTY LEVEL

FULL KIT
1:8
Die-cast

ixo COLLECTIONS

Build the

PORSCHE 917 KH #23 SALZBURG

Guide to the instructions

This set of step-by-step instructions will enable you to complete the build of your 1:8-scale Porsche 917 KH #23 Salzburg.

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:

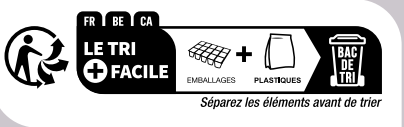
- Where left and right elements of the same part are supplied, these are listed as (left) and (right).
- You will not be using every part you receive in your shipment in that build section. Keep any parts that are not used aside for use in a later sequence.
- You will receive extra screws with each shipment 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 5 mm 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.

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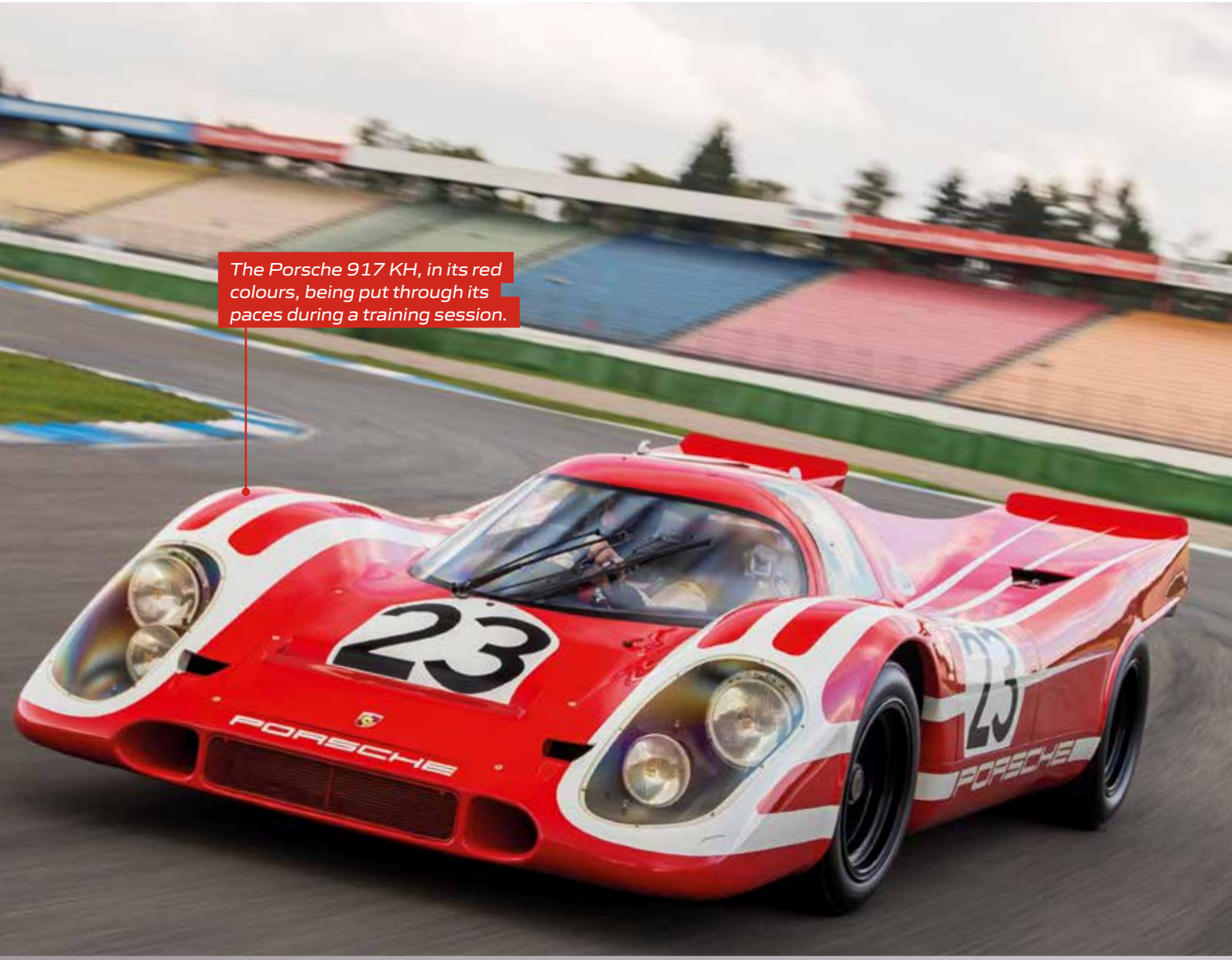


Numéro d'adhérent Léko : 1650353541044

PORSCHE 917 KH

Thanks to the new 'short' tail, the 917 redeems its uncertain debut in 1969 with a two-year reign as queen, taking its first overall victory at Le Mans

The debut of Porsche in the top category of the World Endurance Championship and the arrival of the first overall successes barely two years had passed: the company, long the queen of the classes up to 1.5/2 L, in fact only began. It was only in 1968 that the Federation limited the capacity of Group 6 prototypes to 3 L, with the 908. Alongside the 3 L cars, however, Sports cars up to 5 L could also race, provided they were built in at least 50 units, reduced to 25 from 1969 to entice manufacturers to take up the challenge. Porsche did this by building the 917, which however at birth is not yet perfect. It becomes so at the end of the year, when the 'KH' version is developed.

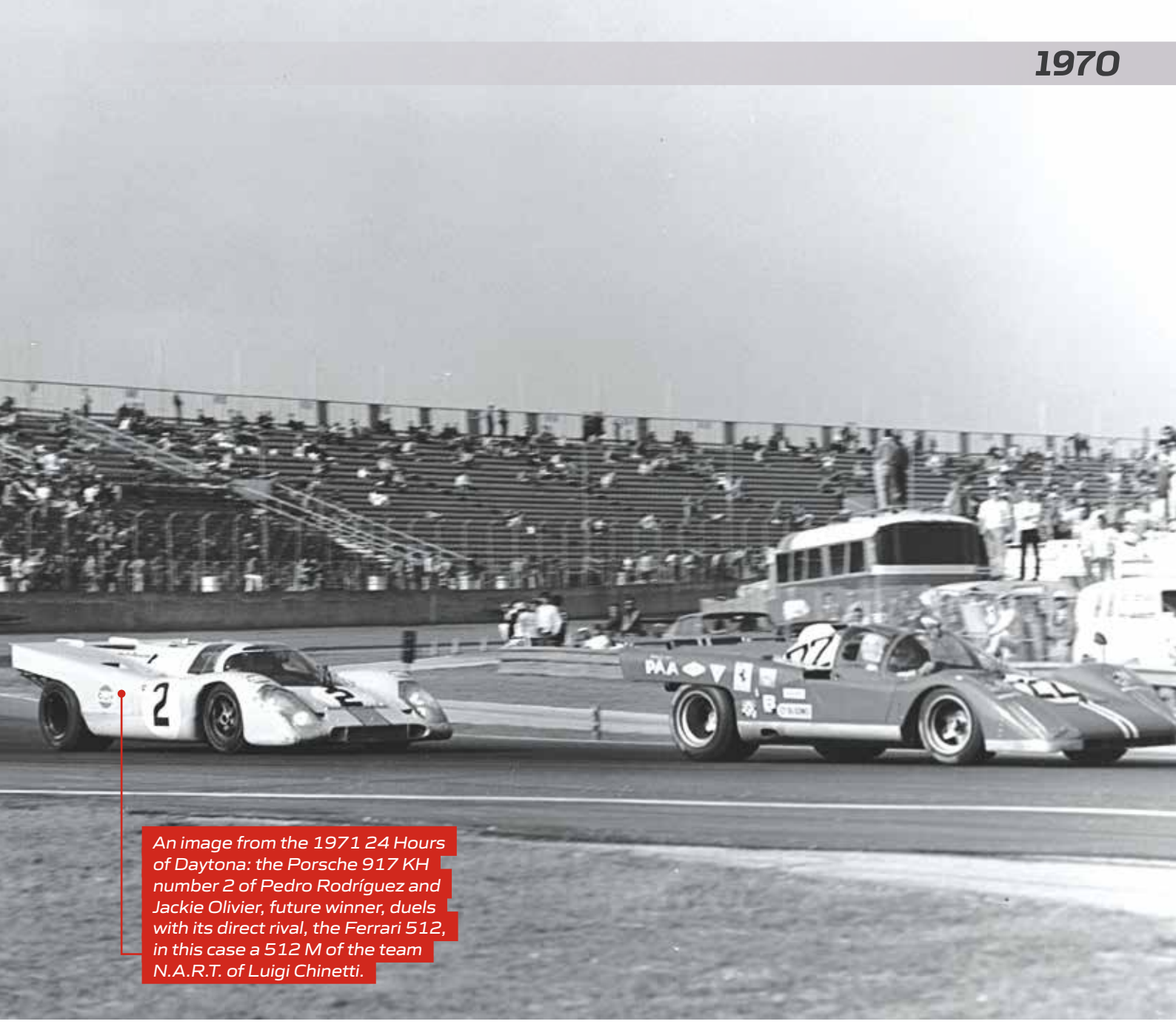


The Porsche 917 KH, in its red colours, being put through its paces during a training session.

The first 917 KH, from the German 'Kurzheck' meaning 'short tail', debuts at the end of a rather disappointing 1969 due to some youthful defects. 1969 was rather disappointing due to some youthful defects.
The new car, in fact, had serious aerodynamic problems that prevented it from expressing itself at its best except at the 1000 km of Zeltweg, where it took its only victory before being thoroughly overhauled. Equipped with a new tail line, tall and truncated, which which finally made it more stable, it immediately found success at the 9 Hours of Kyalami, confirming the goodness of the road taken. After some further refinement the 917 KH returns to the starting line-up for the 1970 season and is immediately successful: it wins the 24 Hours of Daytona, the 1000 km of Brands Hatch and Monza and the 1000 km of Spa, leaving the rival Ferrari 512 S with only the 12 Hours of Sebring. For the Targa Florio and the 1000 km of Nürburgring, the team decides instead to confirm the more agile 908.
The agile 908, a choice that proves to be the right one, gives Porsche the definitive advantage



The Porsche 917 KH that won the 1970 24 Hours of Le Mans for the Salzburg team bore the red and white colours of the Austrian flag for the first and only time.



An image from the 1971 24 Hours of Daytona: the Porsche 917 KH number 2 of Pedro Rodríguez and Jackie Olivier, future winner, duels with its direct rival, the Ferrari 512, in this case a 512 M of the team N.A.R.T. of Luigi Chinetti.

to secure the World Championship, at this time called the 'International Championship for Manufacturers', which it had already won in 1969 thanks to the 908.

At Le Mans the first great success

At the 24 Hours of Le Mans in June Porsche arrives with the legitimate ambition to finally take the first ever success. To this end, they lined up a fleet of around ten 917s, including two examples of the long-tailed 'L' variant developed to further increase advantage on the Sarthe track, where a more streamlined and 'flowing' line should be favoured. Success does indeed come, but it's the 917 KH of the Porsche-Salzburg satellite team with Hans Herrmann and Richard Attwood that takes it, while the best of the 917 Ls of the official Porsche team is the 917 KH with Hans Herrmann and Richard Attwood, of the 917Ls from the official Porsche-Martini team only finished second ahead of a 908. After Le Mans, the 917 KHs also won the remaining two races, at Watkins Glen and Zeltweg, and Porsche ended the season with almost twice as many points as Ferrari.

THE REGULATIONS EXCLUDE IT FROM 1972

In 1971, history repeats itself: the 917 KH has a new rival in the Alfa Romeo 33/3, but it keeps it under control by winning five of the eight races

Richard Attwood and Hans Herrmann

Hans Herrmann can be said to have Porsche in his blood: born in Stuttgart in 1928, during his career he took part in various Sportscar, Grand Touring and finally Sport prototype championships, mainly at the wheel of Porsche models.
The 1970 victory at Le Mans is the only overall one of his career - (there were, however, first class places in 1958, 1962, 1967 and 1969) and came in the year of his last participation in the French race, but Herrmann's awards includes two successes at the 12 Hours of Sebring (1960 and 1968) and one at the Targa Florio in 1960. He also occasionally took part in Formula 1 races, appearing in a dozen championships between 1953 and 1969, but without any victories. For Richard Attwood, the 1970 victory at Le Mans and second place with Herbert Müller the following year were the best results in nine participations in the French race, but the British driver also boasts a win at the 1000 km of Zeltweg and three successes at the 9 Hours of Kyalami.
He also took part in five Formula 1 championships between 1964 and 1969, his best result being a second place in the 1968 Monaco Grand Prix. From 1966 to 1968, he also participated in the Tasman Series, raced between Australia and New Zealand, winning the Levin Grand Prix in 1966.



From left, Hans Herrmann and Richard Attwood awarded after their victory in the 1970 Le Mans 24 Hours, the first overall success in Porsche's history in this race. The German driver, born in 1928, also has to his credit four class victories in the French race.

preceding the 24 of Le Mans, plus the 1000 km of Nurburgring won by the 'usual' 908.
Porsche thus appeared in France again firmly in the lead of the World Championship, and confirmed its supremacy at Le Mans by winning with the 'official' 917 KH of Helmut Marko and Gijs van Lennep, followed by Richard Attwood and Herbert Müller running for the private team of British driver John Wyer on cars with a 4.9-L engine. The subsequent triumph at Zeltweg secured the world title, the third consecutive title for the Stuttgart-based manufacturer.
In 1972, the FIA, fearing that this dominance would discourage other manufacturers, decides to abolish the Sport 5.0, putting a premature end to the 917's career, which nevertheless continued to race and win in other specialty races such as the Can-Am with its 917/10 and 917/30 derivatives.

1-8 Porsche 917 KH Car 23 packaging list

Your Porsche 917 KH full kit is broken down as follows:

Blister	Pack 1	80A, screws box(G1)	
	Pack 2	90A, 90B, 90C	
	Pack 3	1A, 1B, 1C, 1D, 1E, 1F, 1G, 1H, 1I, screwdriver (red) 2A, 2B, 2C, 2D, 2E, 2F, 2G	
	Pack 4	3A, 3B, 3C, 3D, 3E, 3F, 3G, 3H, 3I, 3J, 3K, 3L, 3M, 3N, 3O 4A, 4B, 4C, 4D, 4E, 4F, 4G, 4H 63A, 63B, 63C, 63D, 63E, 63F, 63G	
White box	Pack 5	#05-#20, #47, Tweezers, screwdriver (small)	
	Pack 6	#21-#24, #26-#35	
		#25 refer to pack 7	Pack 7
	Pack 7	#25, #38-#40	
		#26-#35 refer to pack 6	Pack 6
		#36, #37 refer to pack 8	Pack 8
	Pack 8	#36, #37, #41-#46, #48, #49	
		screws, screwdriver (long)	
		#38, #39, #40 refer to pack 7	Pack 7
		#47 refer to pack 5	Pack 5
	Pack 9	#50-#62, glove	
		#63 refer to pack 4	Pack 4
	Pack 10	#64-#79, #81, #82	
		#80 refer to pack 1	Pack 1
	Pack 11	#83-#89, #91-#100	
		#90 refer to pack 2	Pack 2

Parts of the issue 1

1A Left side door

1B Hood cover with radiator air outflow niche

1C Left headlight plexiglass nacelle

1D Left headlight housing

1E Big headlight bezel

1F Big headlight reflector

1G Big headlight lens

1H Small headlight housing

1I Small headlight lens

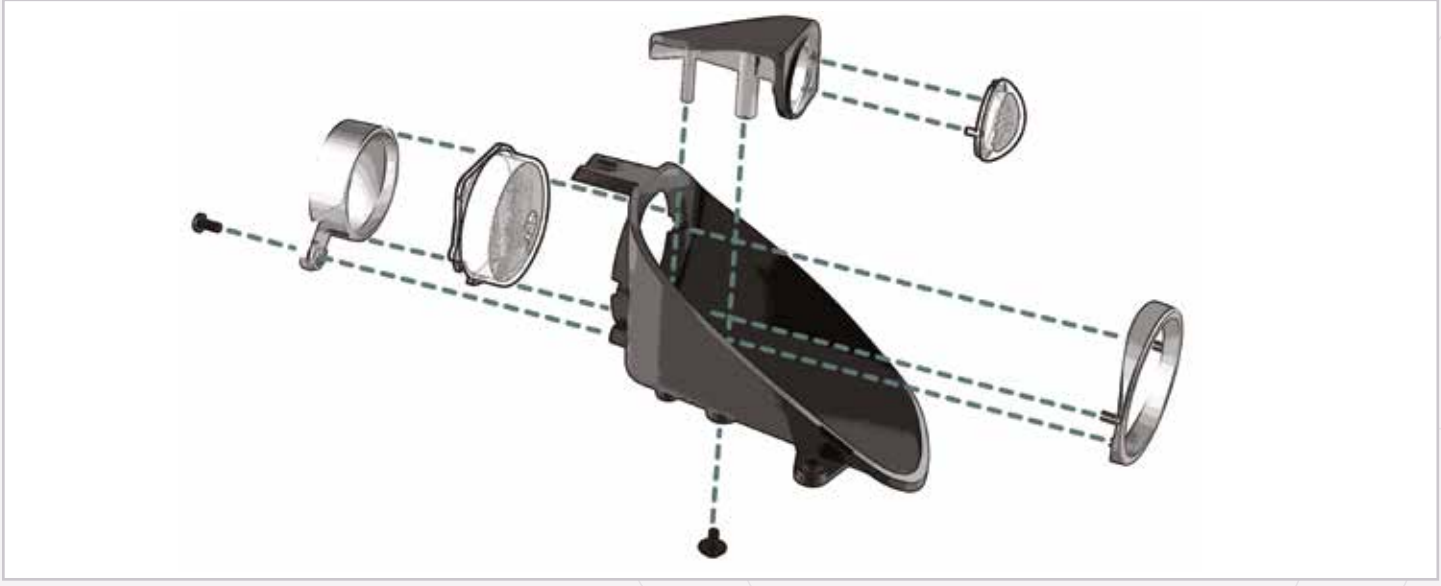
AP M1,7 x4mm (x2)

BP M1,7 x4x5mm (x2)



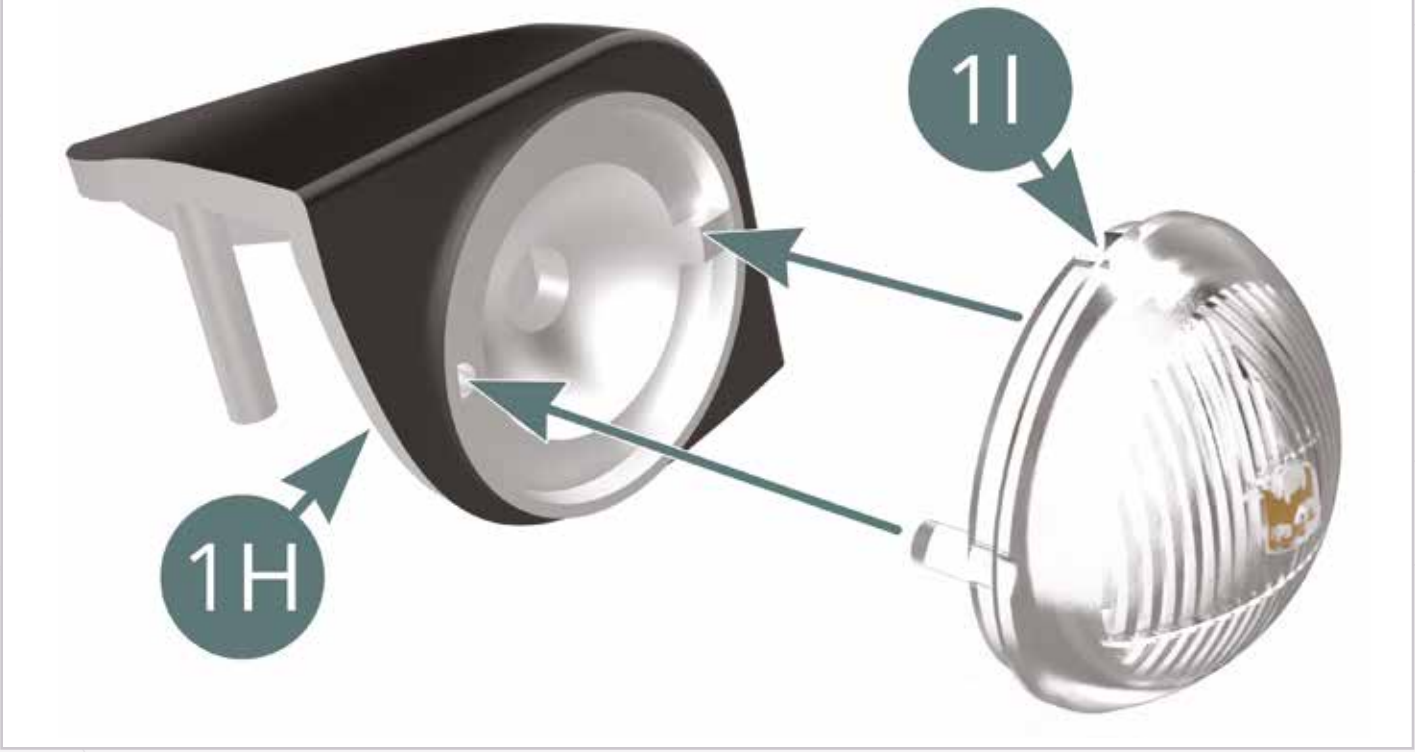
Left front Headlight assembly

Assembly diagram

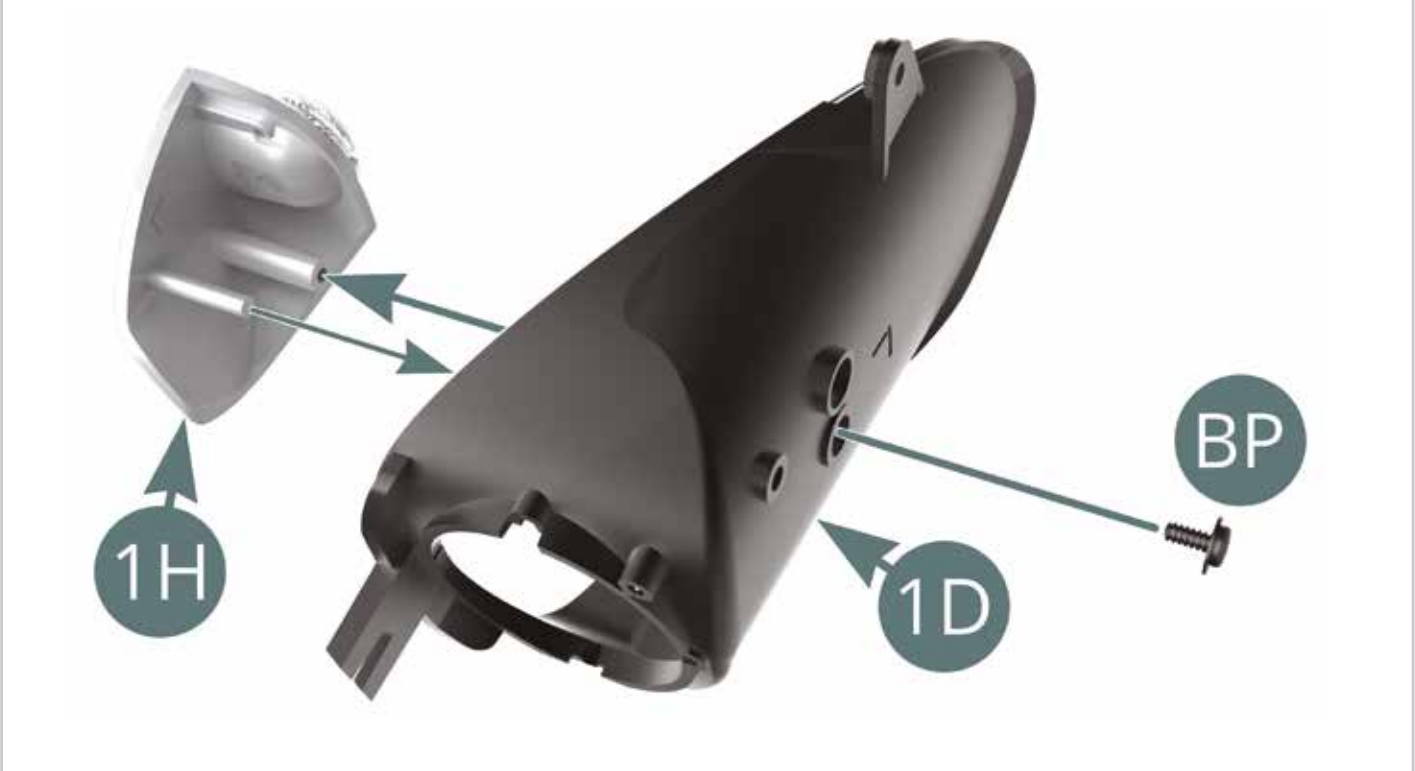


STEP 1

Fit 1I Small headlight lens to 1H Small headlight housing.



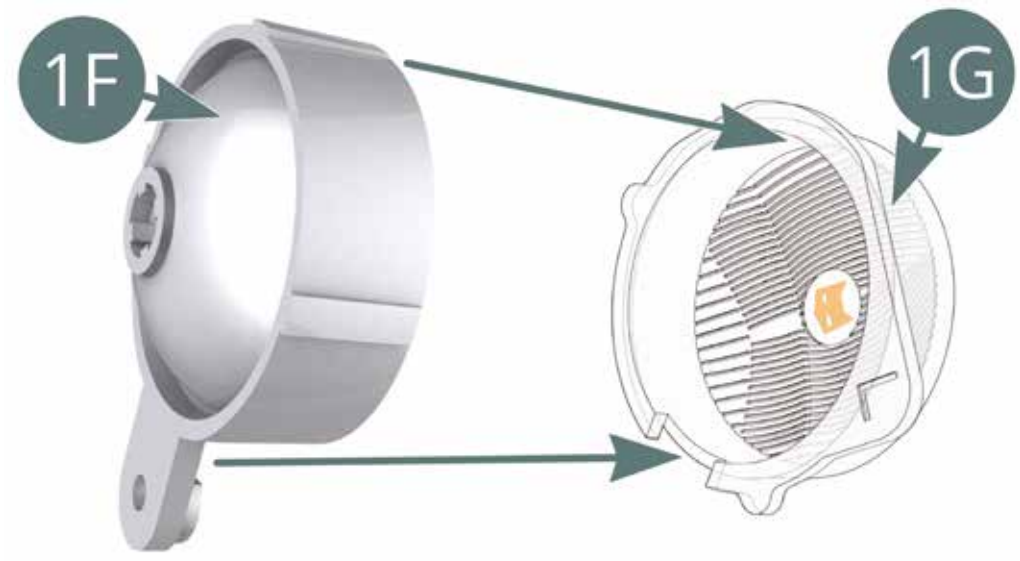
Fit 1H Small headlight housing to 1D Left headlight housing and fix with BP screw.



STEP 2



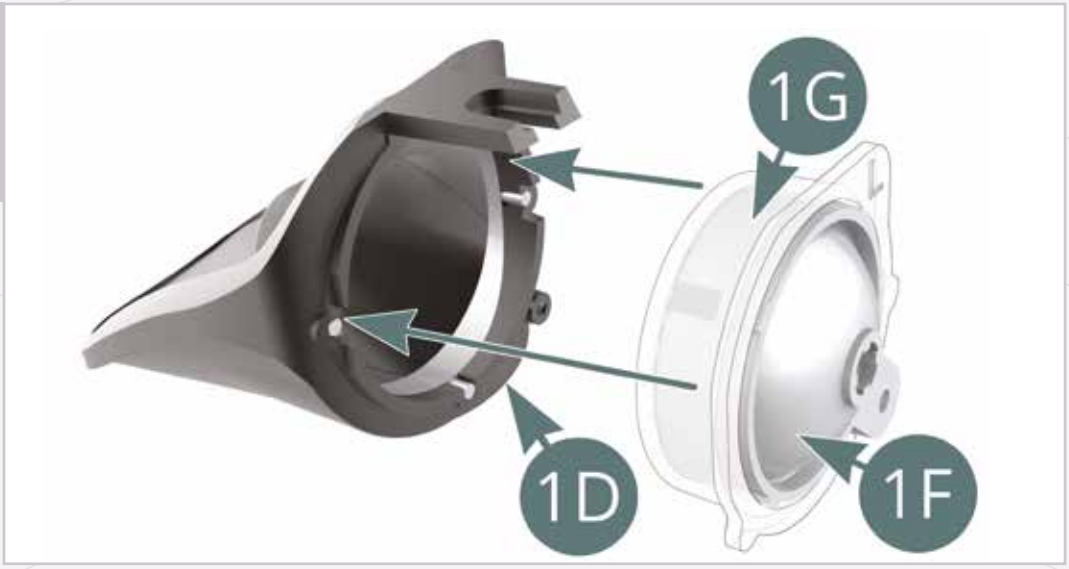
Fit 1E Big headlight bezel to 1D Left headlight housing.



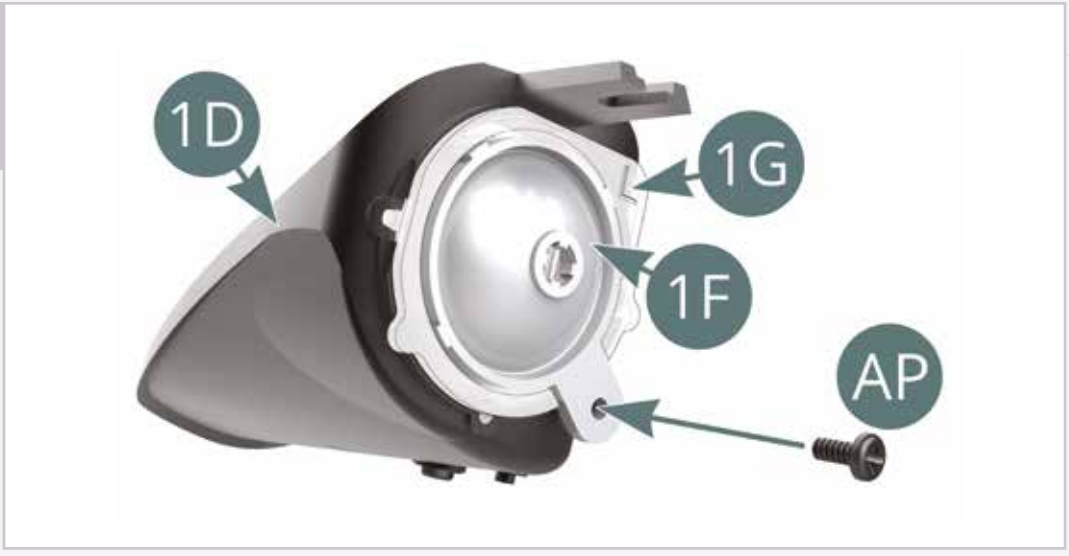
Fit 1F Big headlight reflector into 1G Big headlight lens cup.

STEP 3

Fit 1G Big headlight lens with installed 1F Big headlight reflector into 1D Left headlight housing.



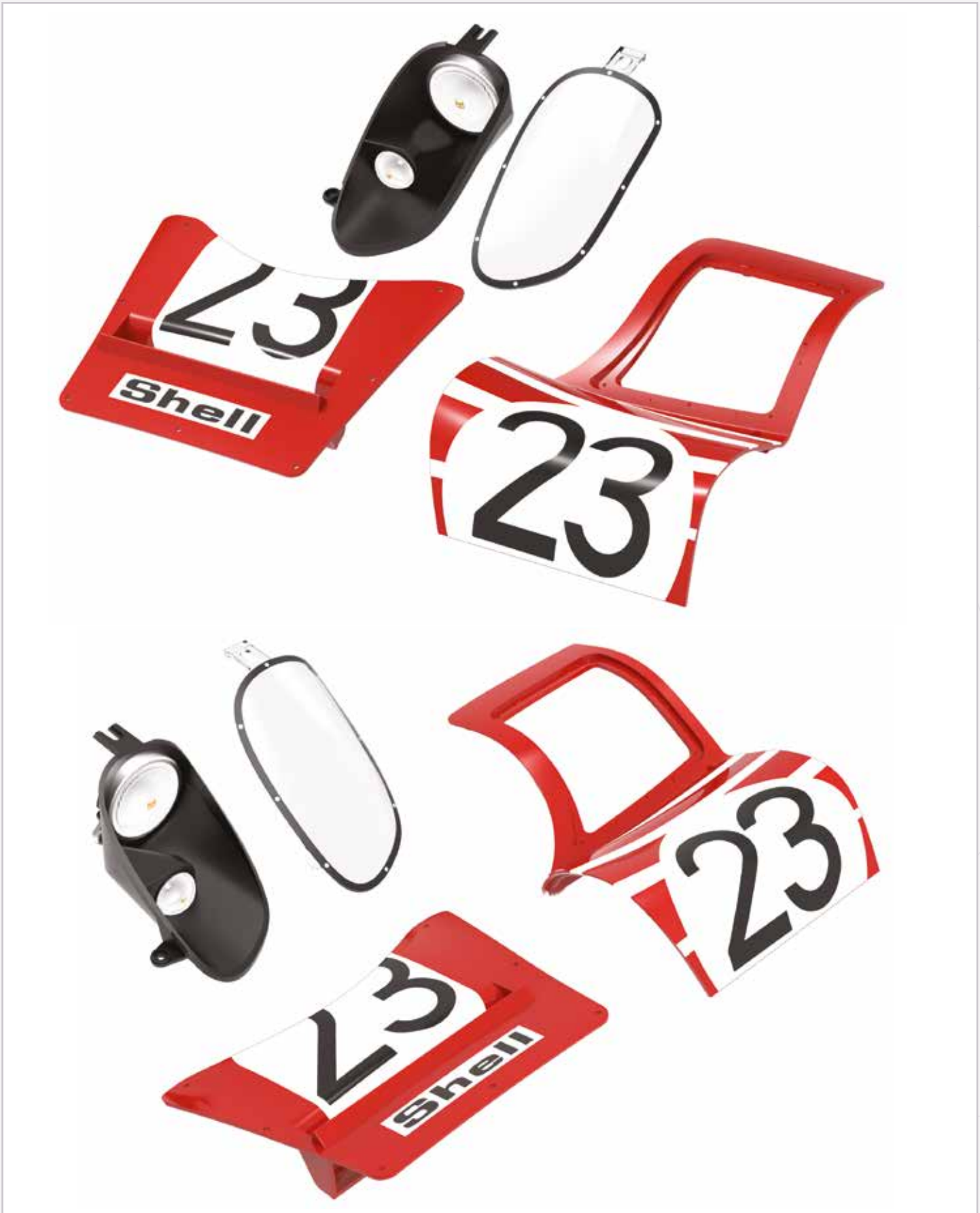
Fix 1F Big headlight reflector to 1D Left headlight housing with AP screw.





Preassembled Left Headlight

General view



Parts of the issue 2

2A Steering wheel

2B Steering column

2C Steering wheel cap

2D Front left tire

2E Outer front wheel rim

2F Inner front wheel rim

2G Hub cover

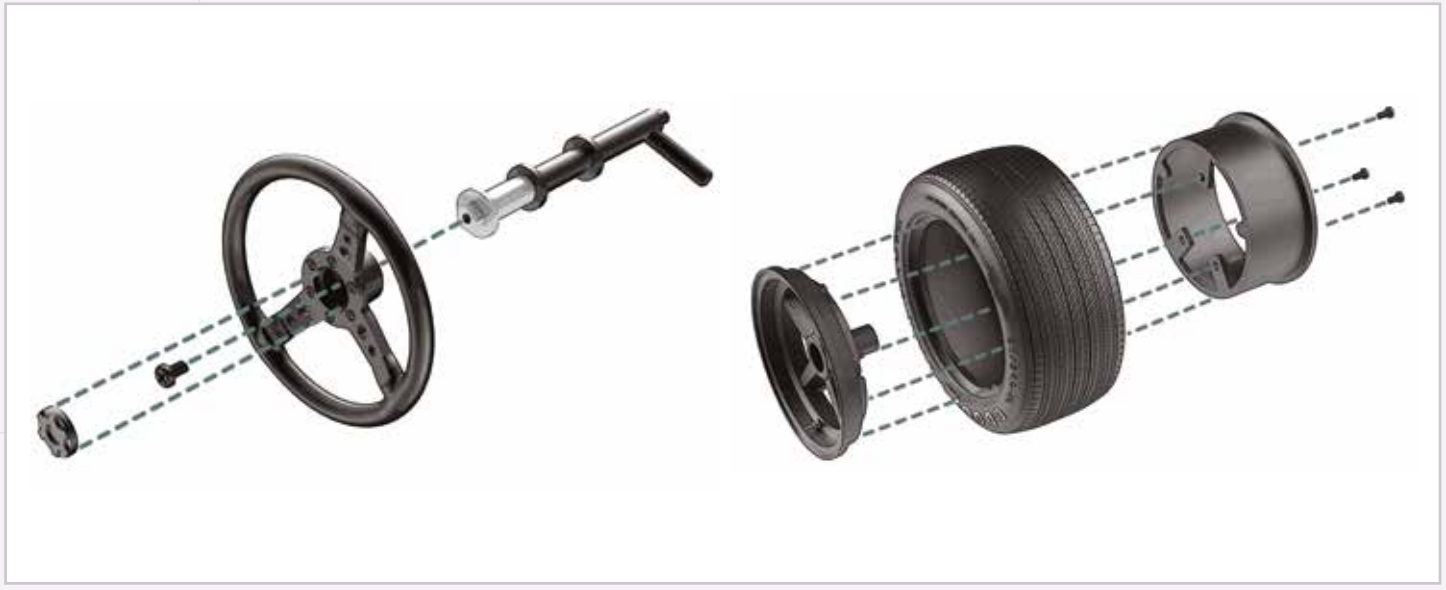
AM M1,7 x3mm (x2)

BM M2,0 x4mm (x4)



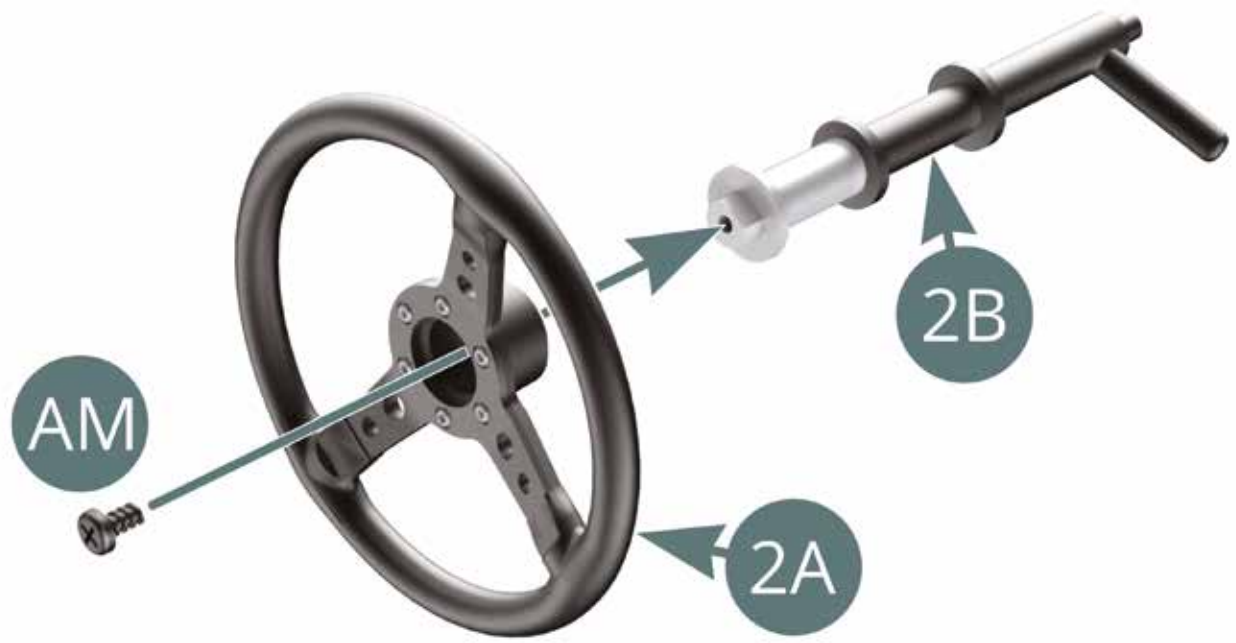
Steering wheel and front left wheel assembly

Assembly diagram

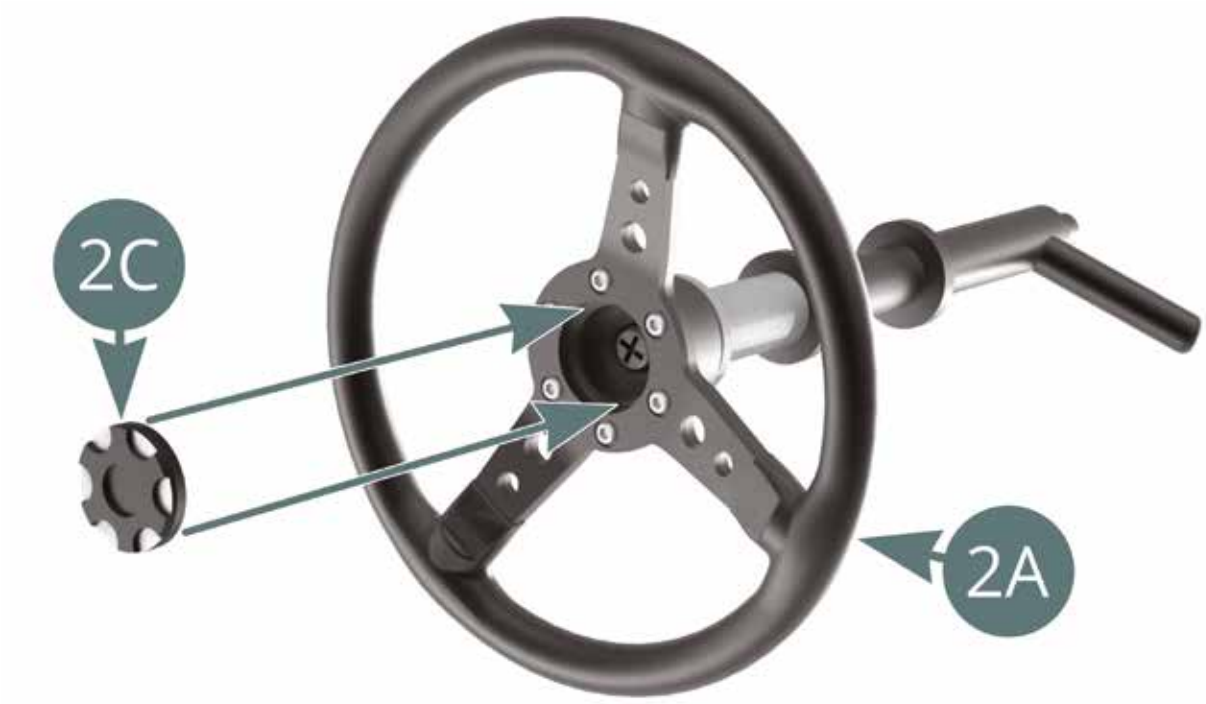


STEP 1

Fit 2A Steering wheel to 2B Steering column and fix with AM screw.



Fit 2C Cap to 2A Steering wheel center.



STEP 2



Preassembled Steering wheel



Identify wheel rotation direction Front arrow marking on 2D Tire. Blue arrow points Left Front Wheel rotation.

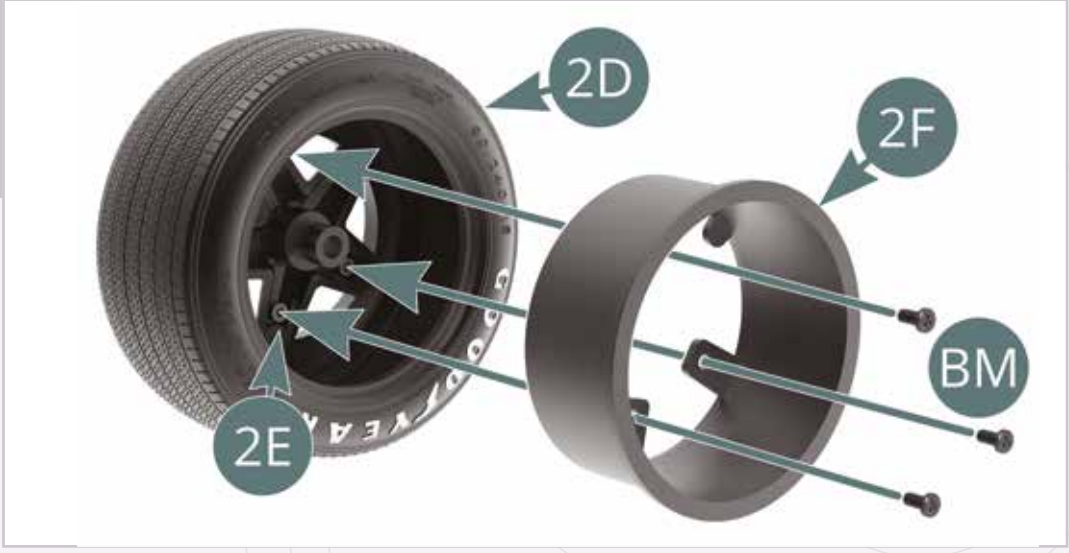
STEP 3



Put 2D Front left tire for two minutes into hot water, and then fit it over 2E Outer front wheel rim with FRONT arrow rotation direction marking facing its outer side (upper and lower illustrations).

STEP 4

Fit 2F Inner front wheel rim to 2D Front tire and fix to 2E Outer front wheel rim with three BM screws.



Preassembled Front wheel

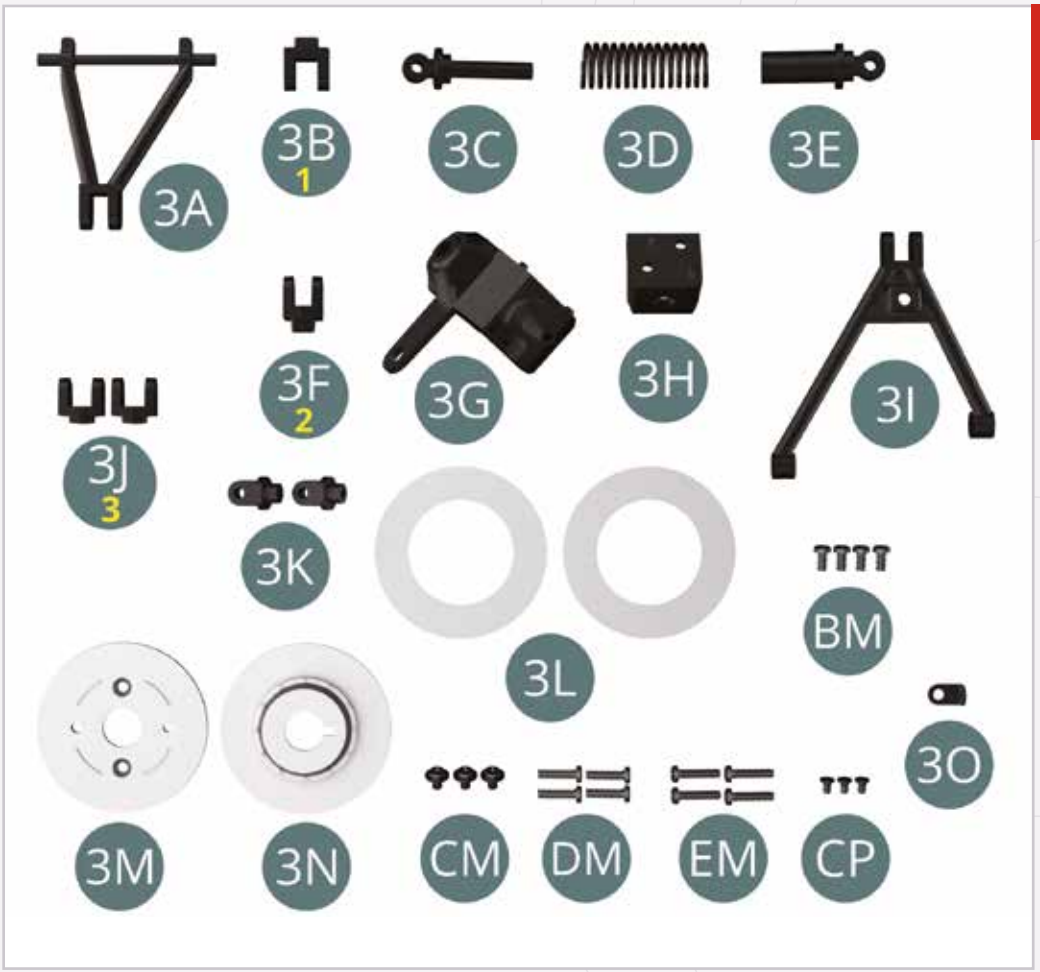


General view



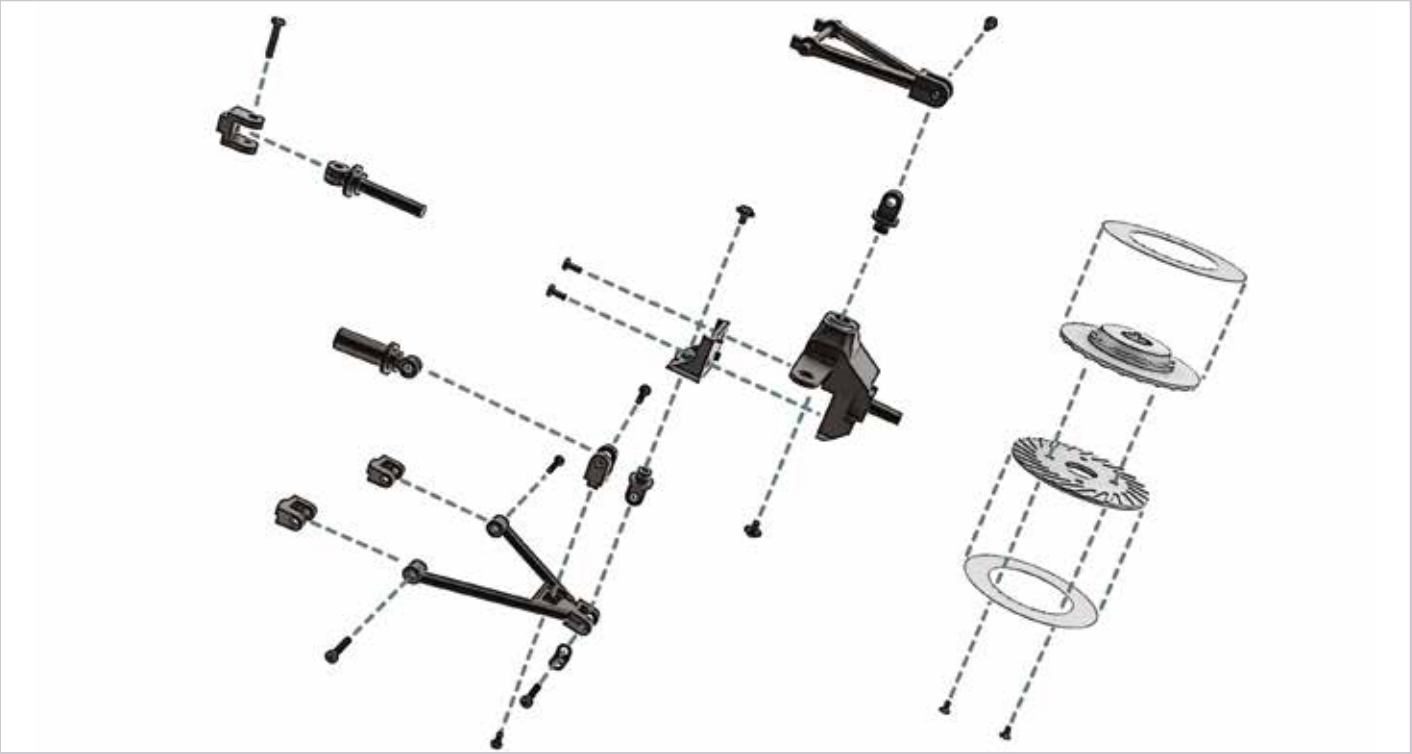
Parts of the issue 3

3A Upper front wishbone
3B Damper upper mount (marked 1)
3C Piston rod
3D Suspension spring
3E Suspension damper
3F Damper lower mount (marked 2)
3G Upright upper body
3H Upright lower body
3I Lower front wishbone
3J Lower wishbone mounts (x2, marked 3)
3K Upright eye link (x2)
3L Brake discs
3M Inner rotor
3N Outer rotor and hub
3O Bracket
BM M 2,0x4mm (x4)
CM M 2,0x3x5mm (x3)
CP M 1,7x3x3mm (x3)
DM M 2,0x8mm (x4)
EM M 2,0 x9mm (x4)



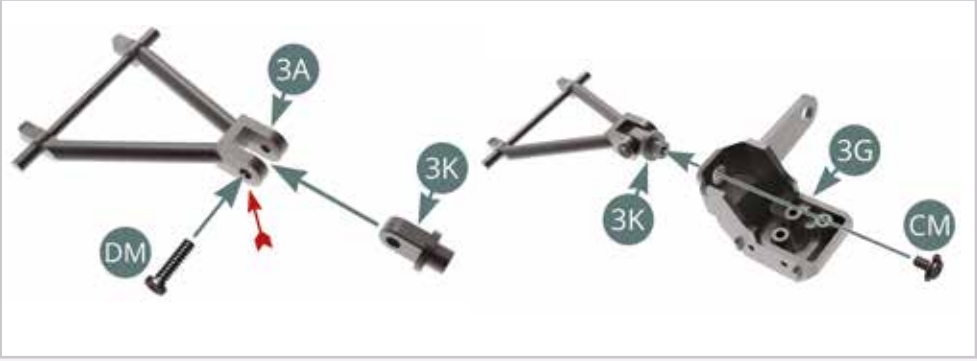
Front left suspension and brake disc assembly

Assembly diagram



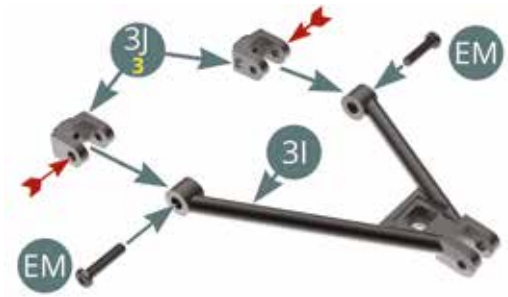
STEP 1

Fit 3K Upright eye link to 3A Upper front wishbone and fix with DM screw from bigger hole direction (red arrow) forming moving joint. Fit 3G Upright upper body to 3K Upright eye link and fix with CM screw, forming rotating joint for enabling front wheels turn.



STEP 2

Fit consecutively, two 3J Lower wishbone mounts (marked 3) to 3I Lower front wishbone and fix each one with EM screw from bigger hole direction orientation (red arrows), forming two moving joints.





Fit 3F Damper lower mount (marked 2) to 3E Suspension damper and fix with DM screw from bigger hole direction (red arrow), forming moving joint.

STEP 3

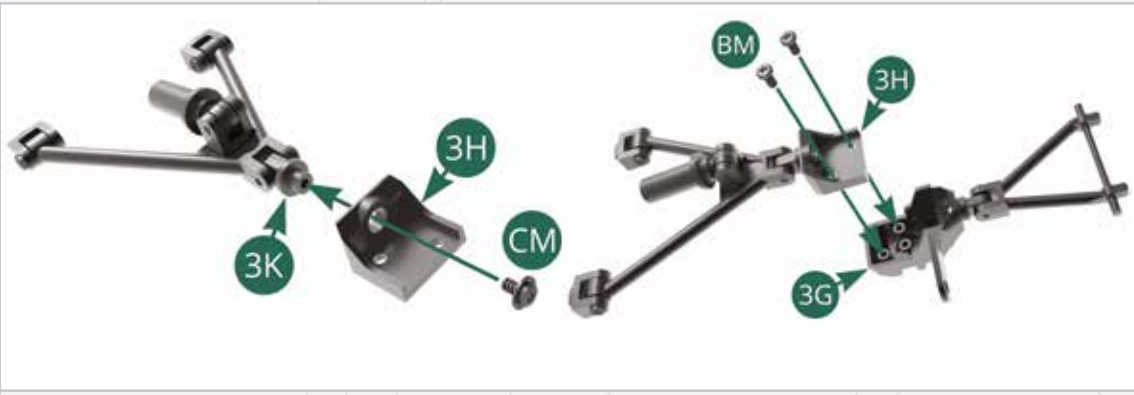


Fit 3F Damper lower mount to 3I Lower front wishbone and fix with BM screw.

Fit 3K Upright eye link to 3I Lower front wishbone and fix with DM screw through 3O Bracket.

STEP 4

Fit 3H Upright lower body to 3K Upright eye link and fix with CM screw, forming rotating joint.
Fit 3H Upright lower body to 3G Upright upper body and fix with two BM screws.

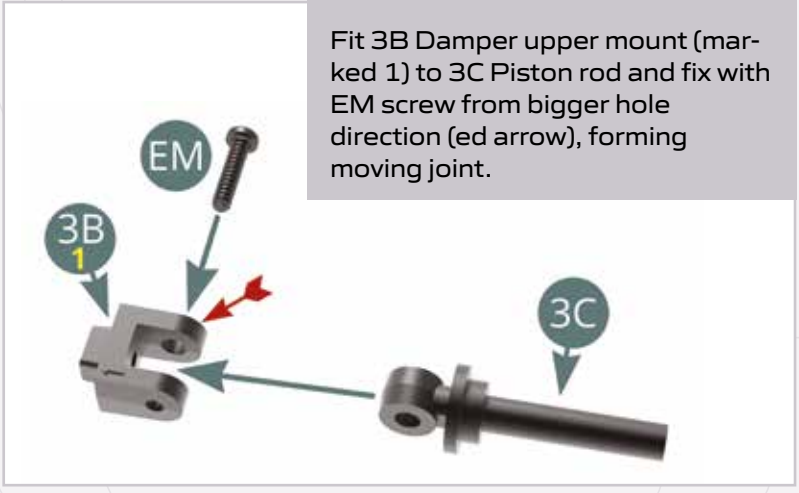


STEP 5

Preassembled Front left suspension in unfolded condition

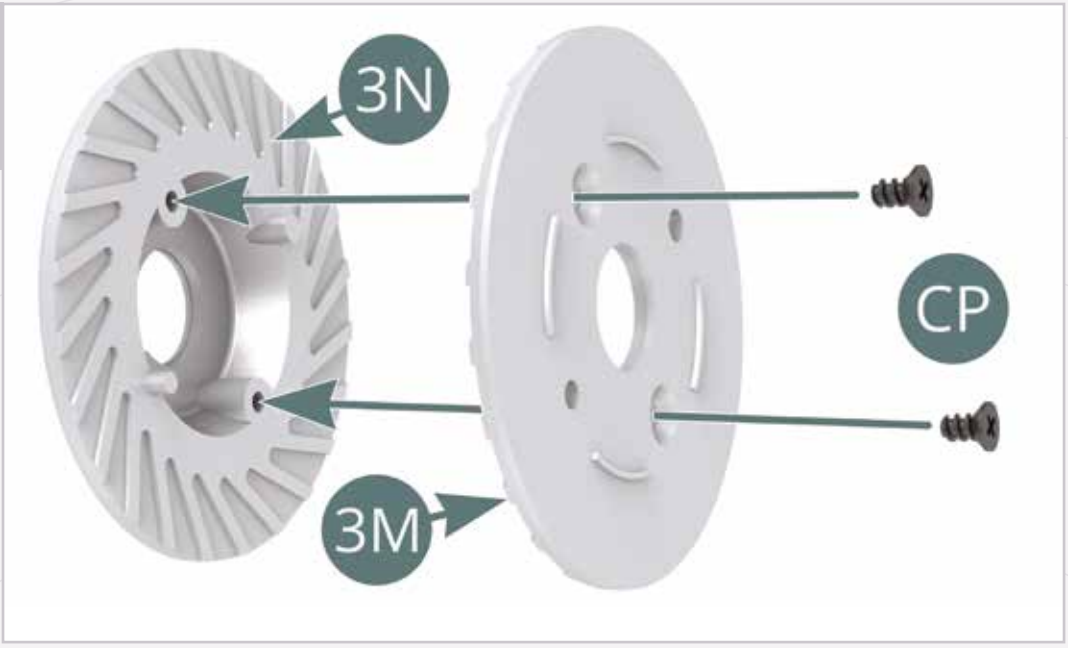


Fit 3B Damper upper mount (marked 1) to 3C Piston rod and fix with EM screw from bigger hole direction (ed arrow), forming moving joint.



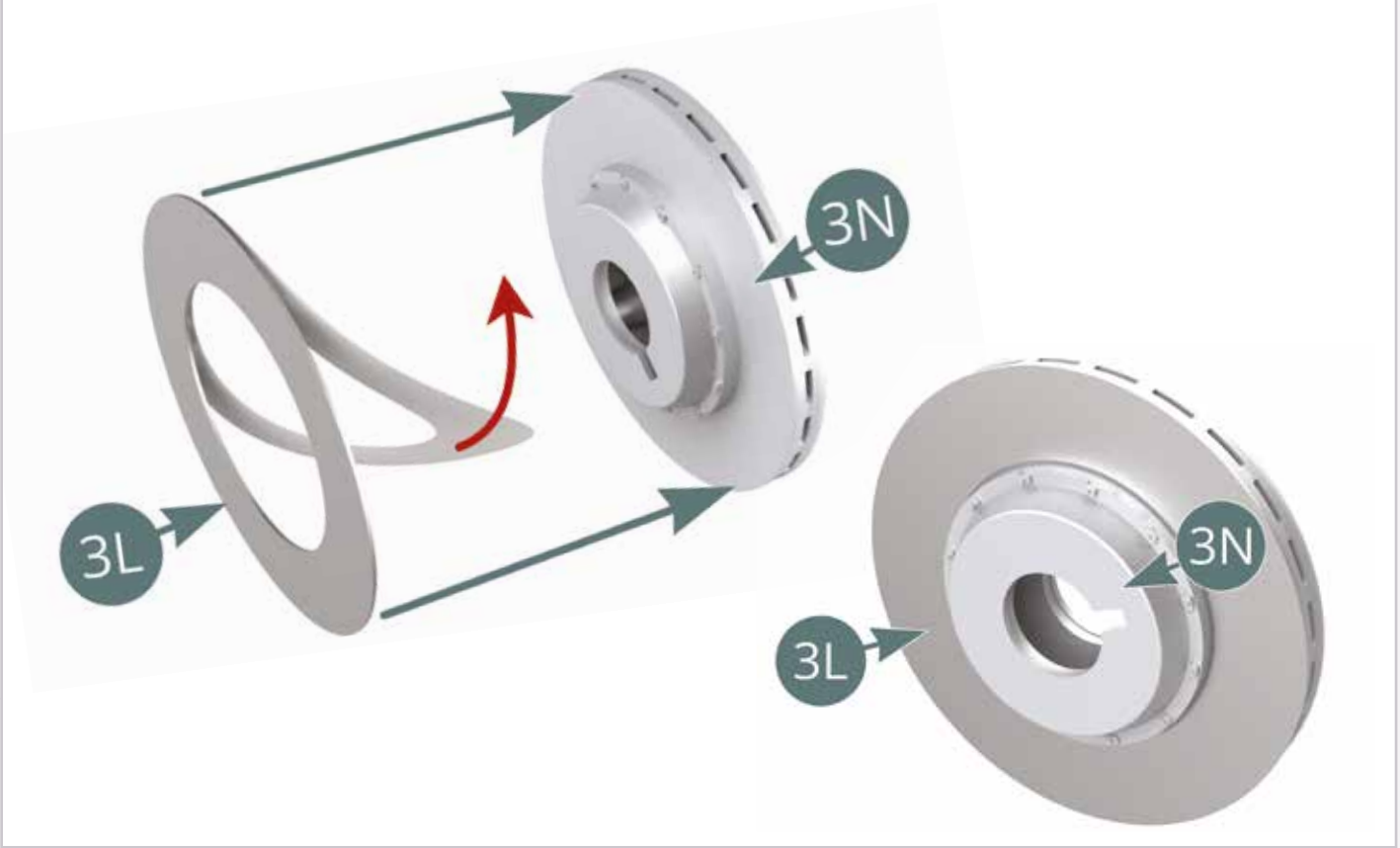
STEP 6

Fit together 3M Inner rotor and 3N Outer rotor and hub and fix with two CP screws.



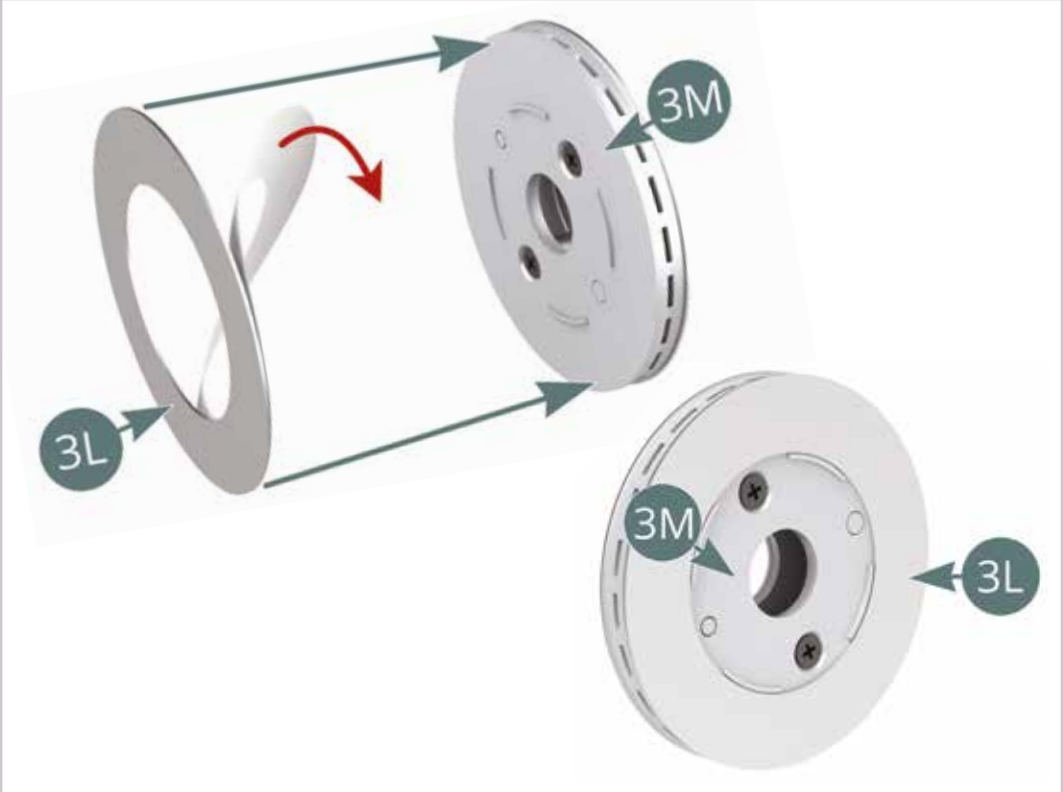
STEP 7

Peel away (red arrow) backing paper from 3L Brake disc and apply with its self adhesive side to 3N Outer rotor and hub (upper and lower illustrations).



STEP 8

Peel away (red arrow) backing paper from 3L Brake disc and apply with its self adhesive side to 3M Inner rotor (upper and lower illustrations).

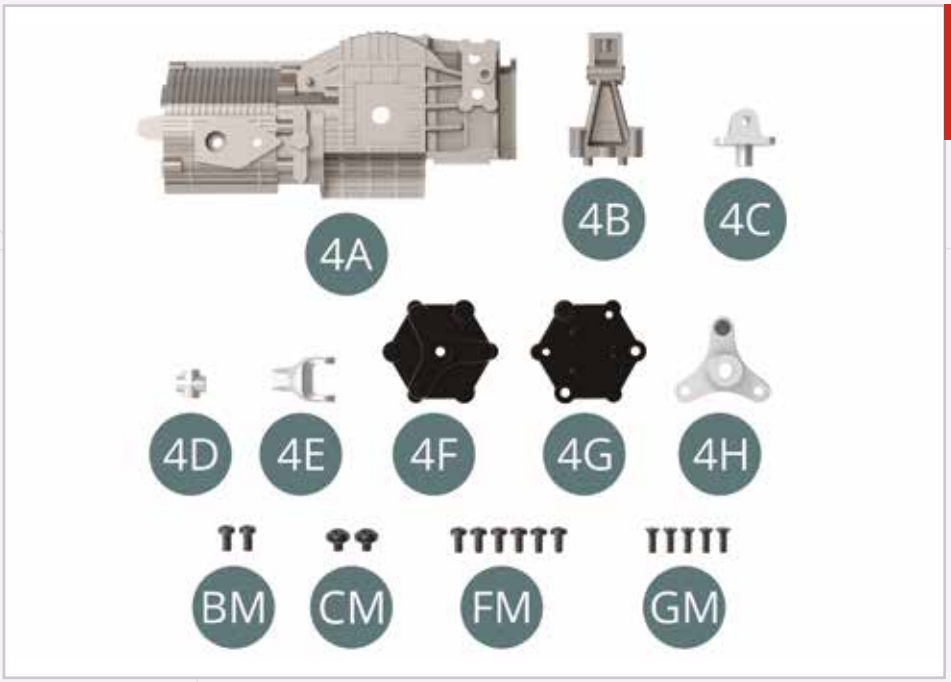


GENERAL VIEW



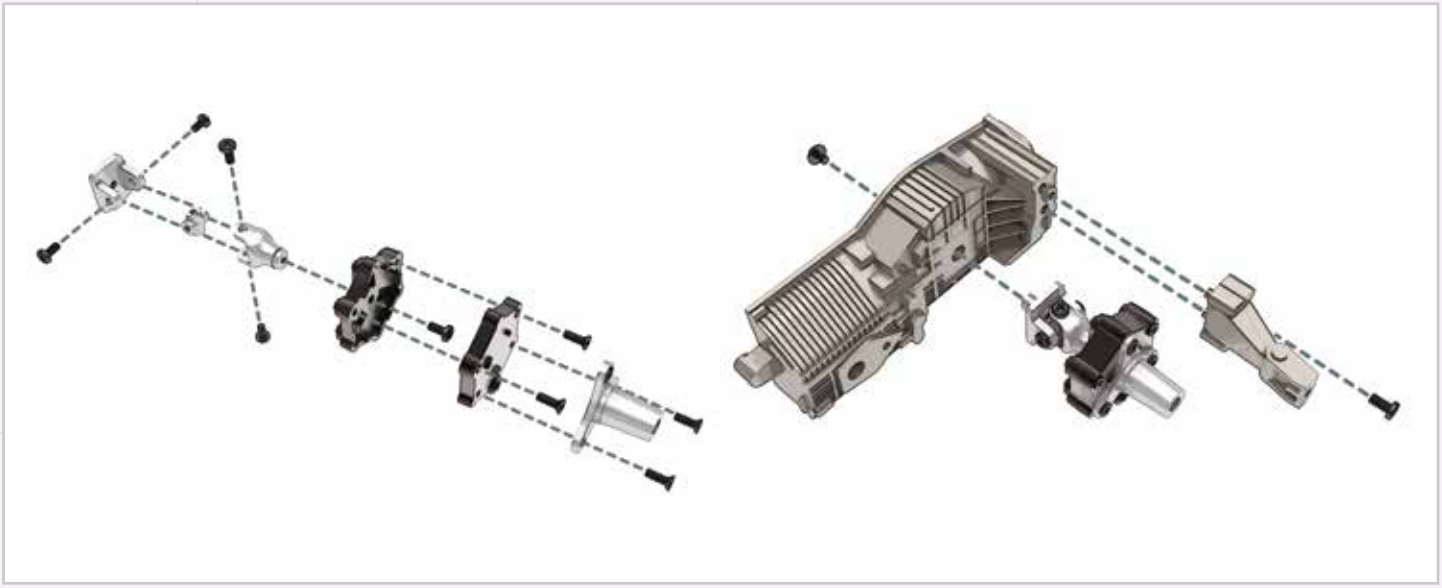
Parts of the issue 4

4A Gearbox right side casing
4B Right side mounting arm
4C Universal joint fork
4D Universal joint cross link
4E Universal joint fork
4F Inner shock absorber
4G Outer shock absorber
4H Drive shaft compensation sleeve
BM M2,0 x4mm (x2)
CM M2,0 x3x5mm (x2)
FM M1,7 x4mm (x6)
GM M1,7 x5mm (x5)



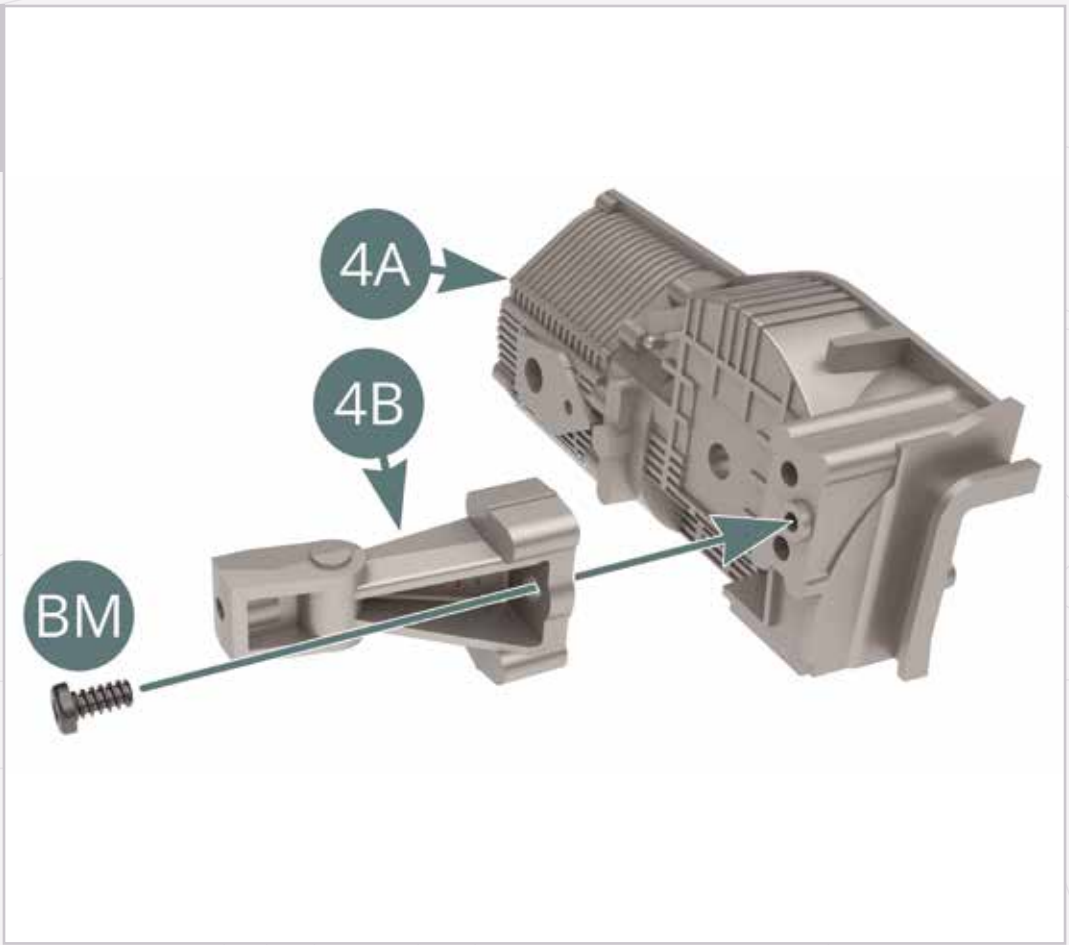
Gearbox right side casing and drive shaft preassembly

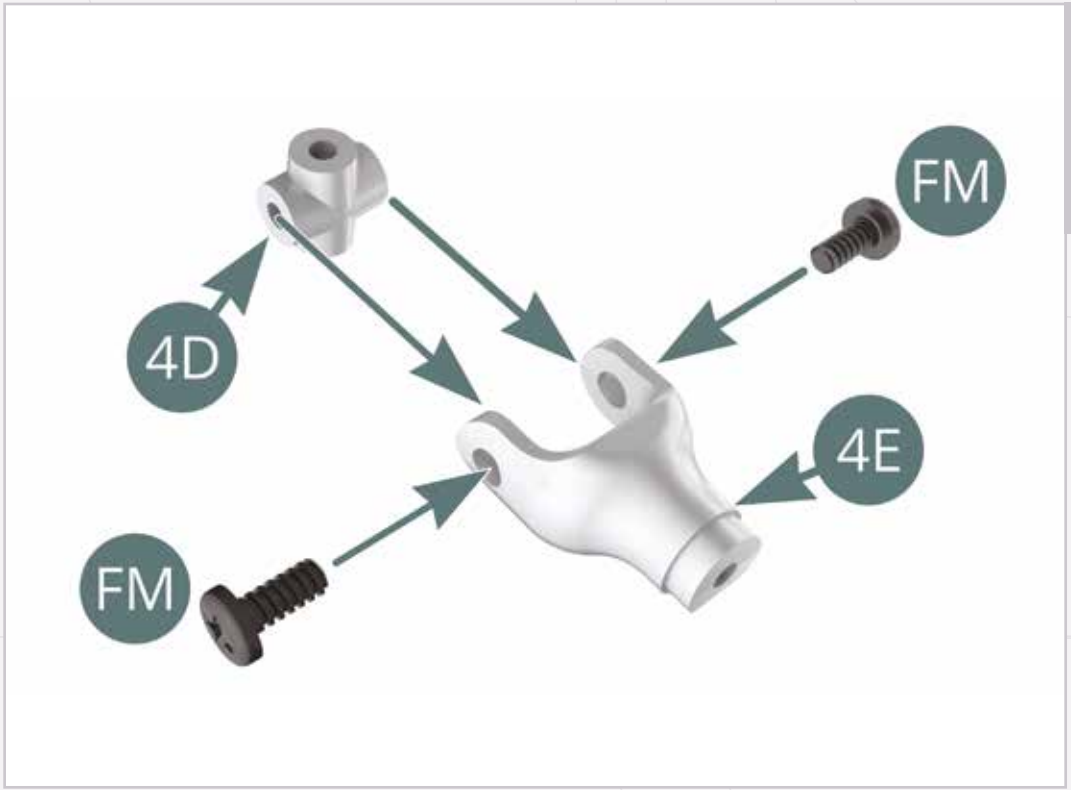
Assembly diagram



STEP 1

Fit 4B Right side mounting arm to 4A Gearbox right side casing and fix with BM screw.

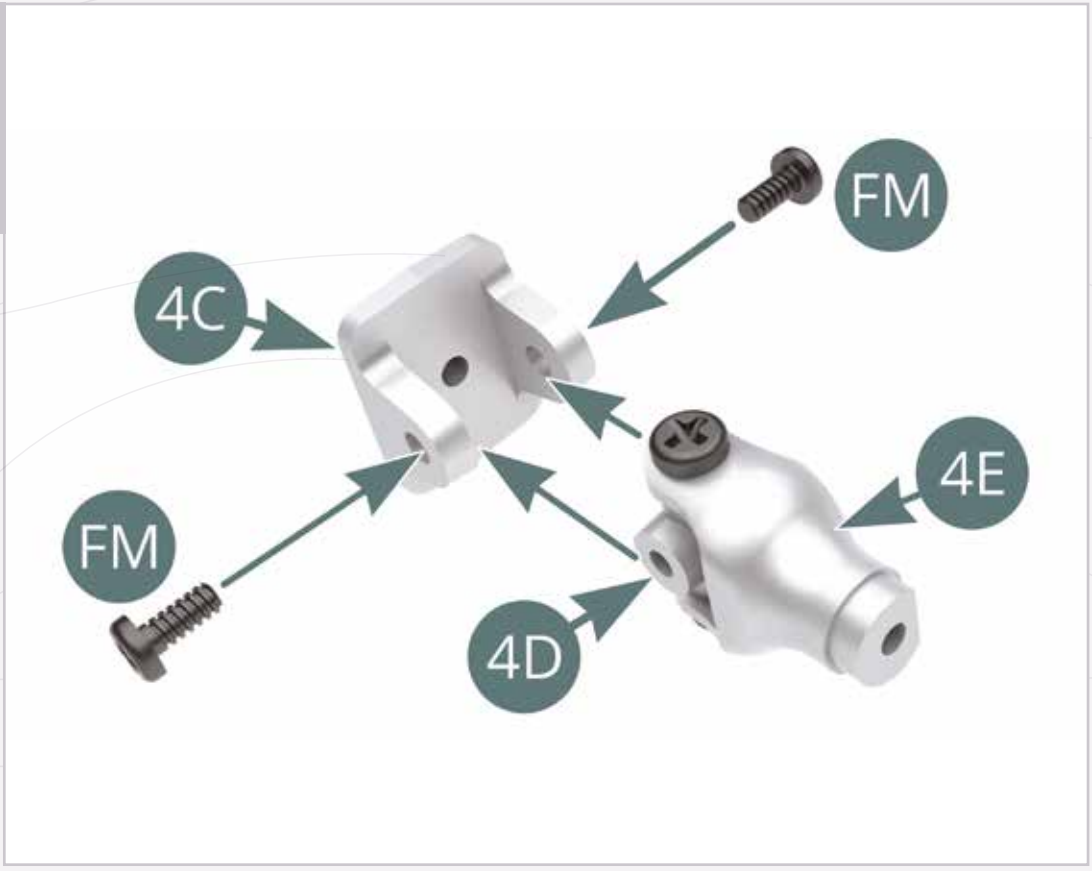


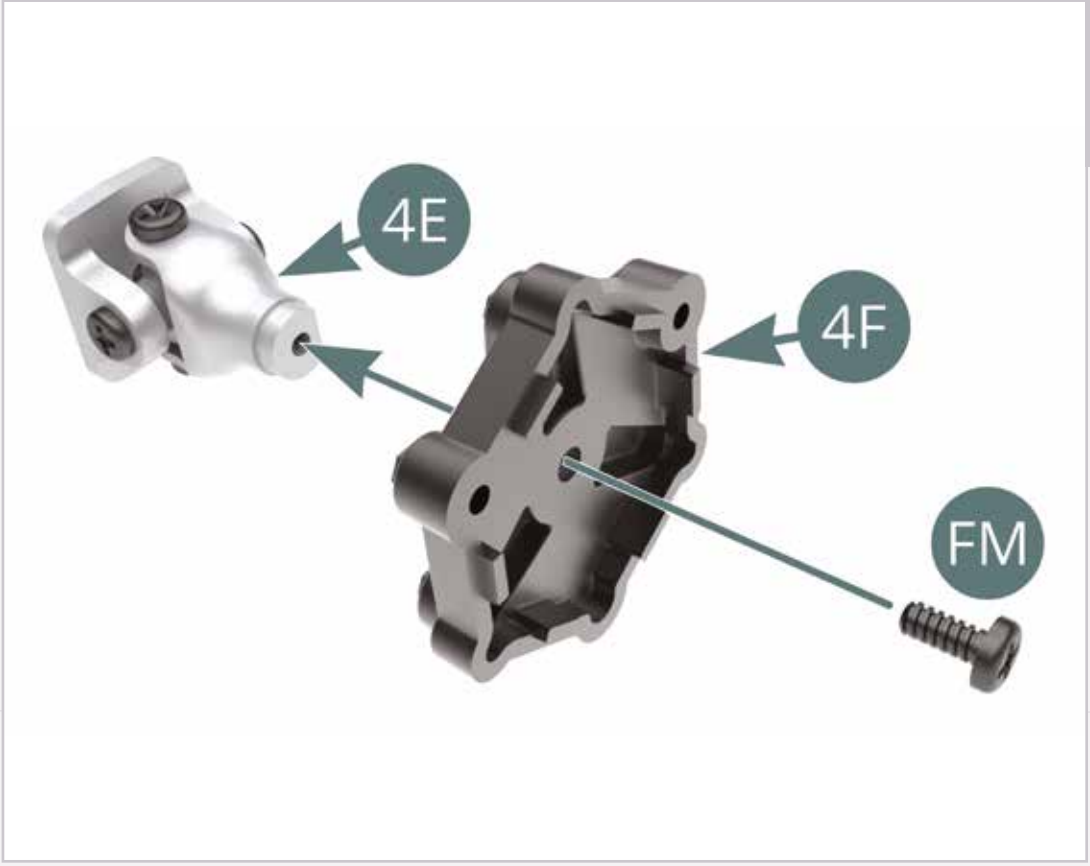


Fit 4D Universal joint cross link to 4E Universal joint fork and fix from both sides with two FM screws, froming moving joint.

STEP 2

Fit 4D Universal joint cross link to 4C Universal joint fork and fix from both sides with two FM screws forming moving joint.

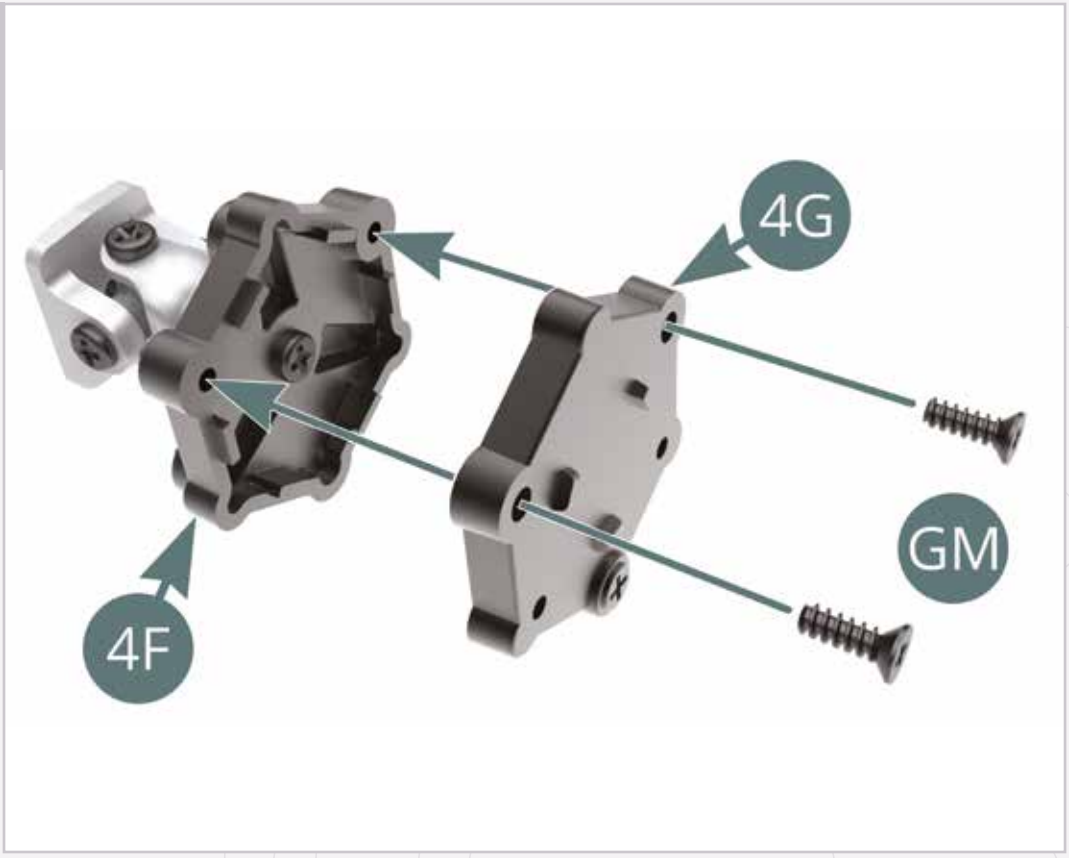




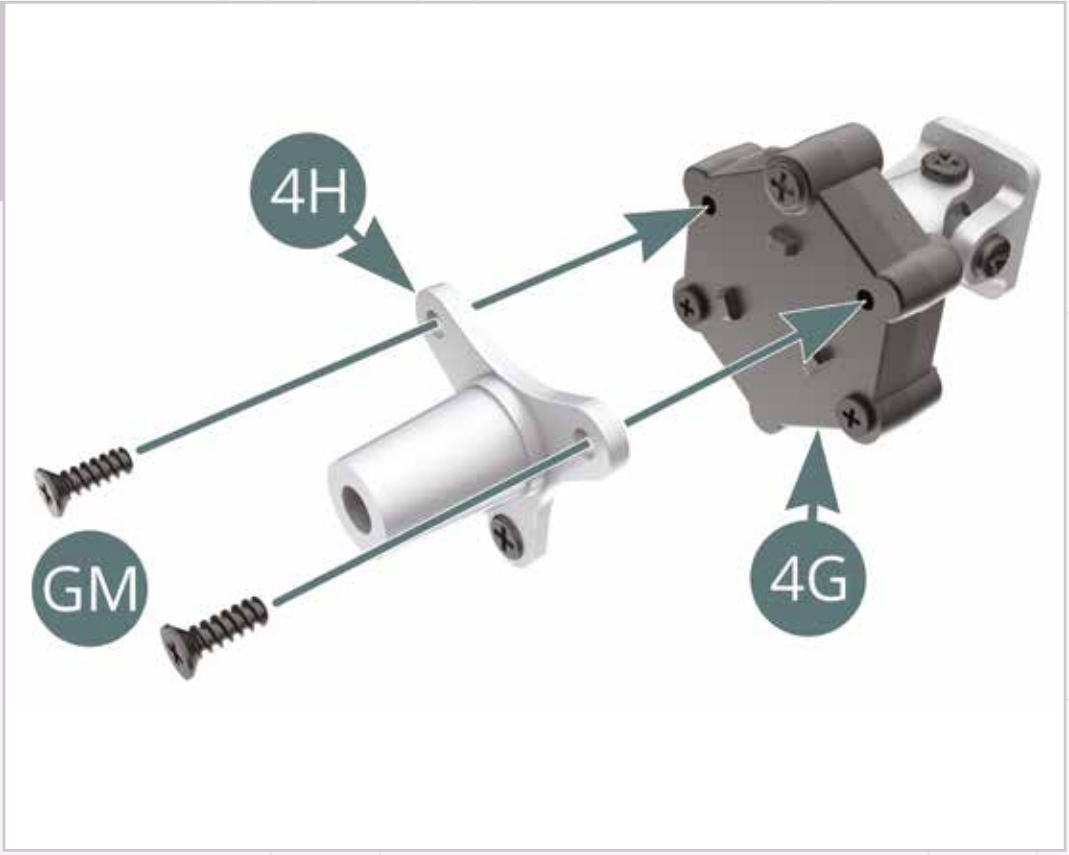
Fit 4F Inner shock absorber to 4E Universal joint fork stub axle and fix with FM screw.

STEP 3

Fit 4G Outer shock absorber to 4F Inner shock absorber and fix with two GM screws.

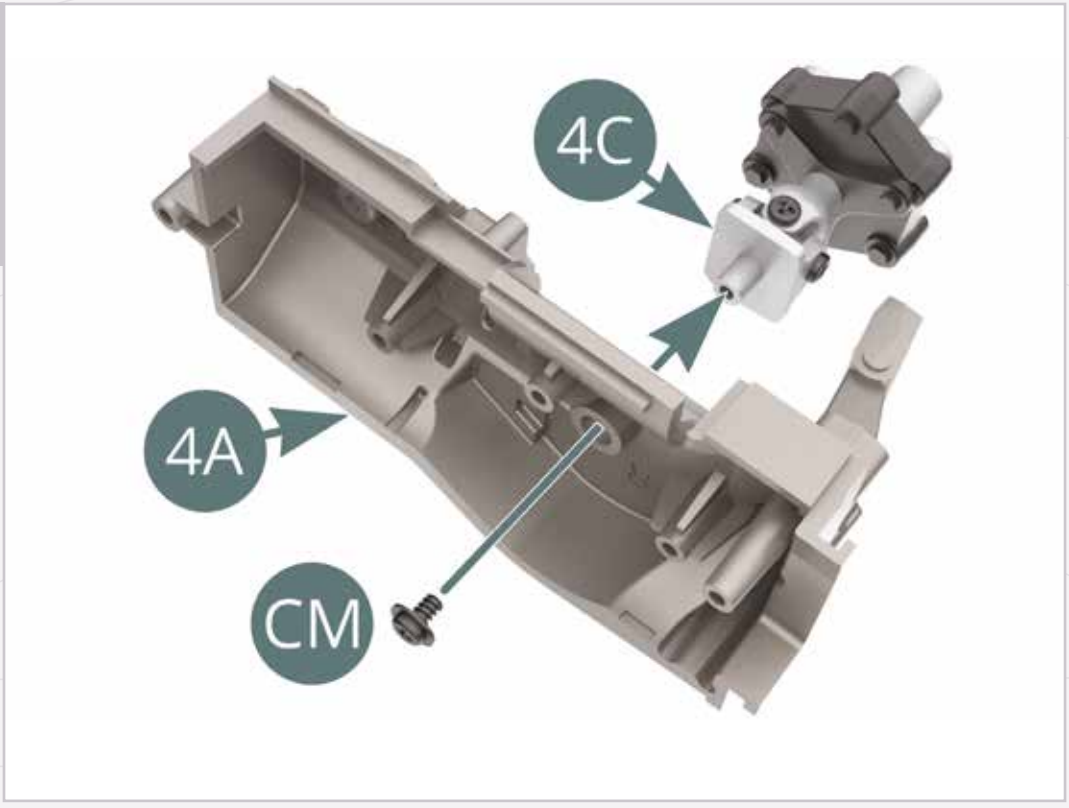


Fit 4H Drive shaft compensation sleeve to 4G Outer shock absorber and fix with two GM screws.

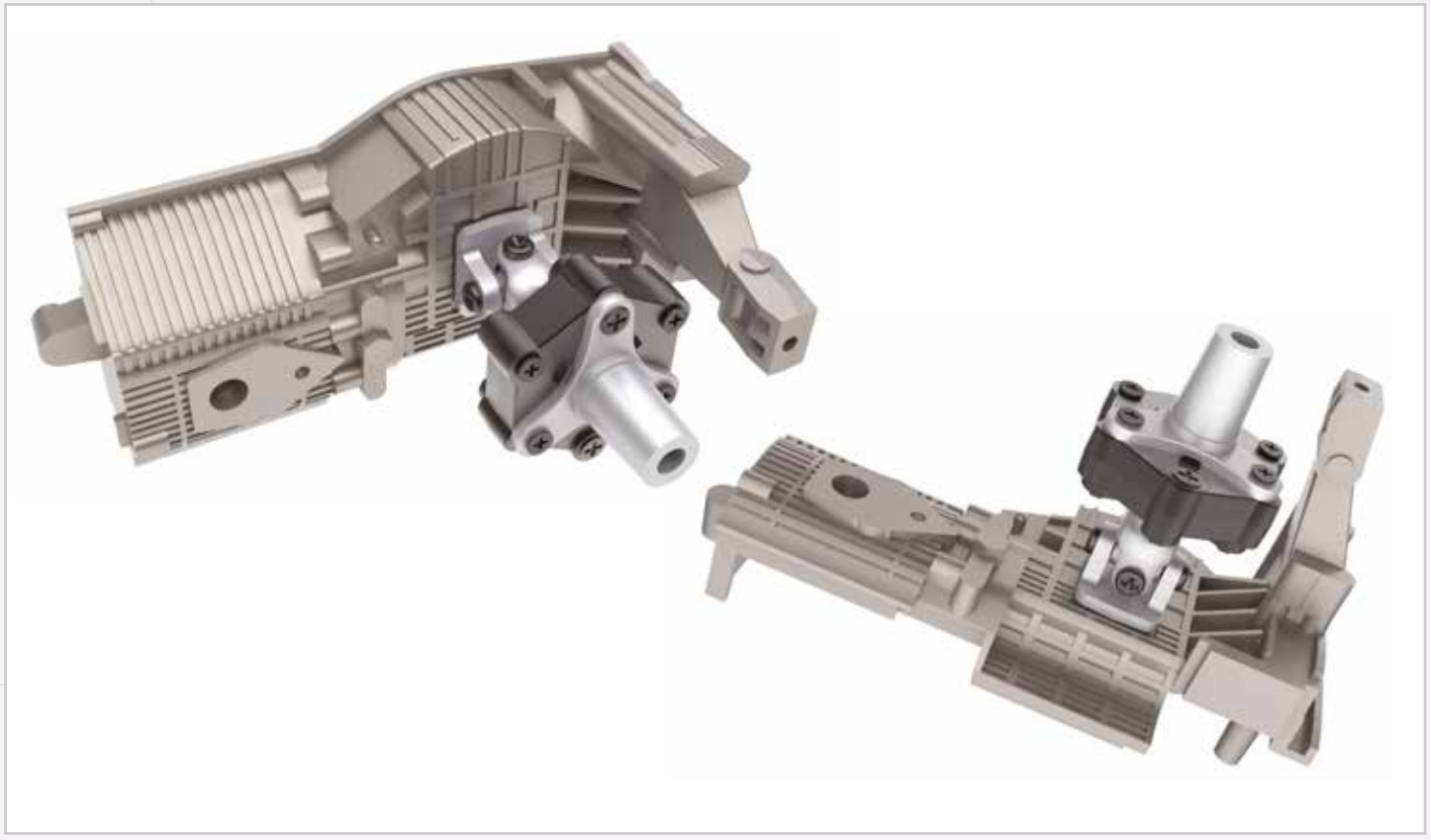


STEP 4

Fit 4C Universal joint fork stub axle to 4A Gearbox right side casing and fix with CM screw, forming rotation joint for right wheel drive shaft.



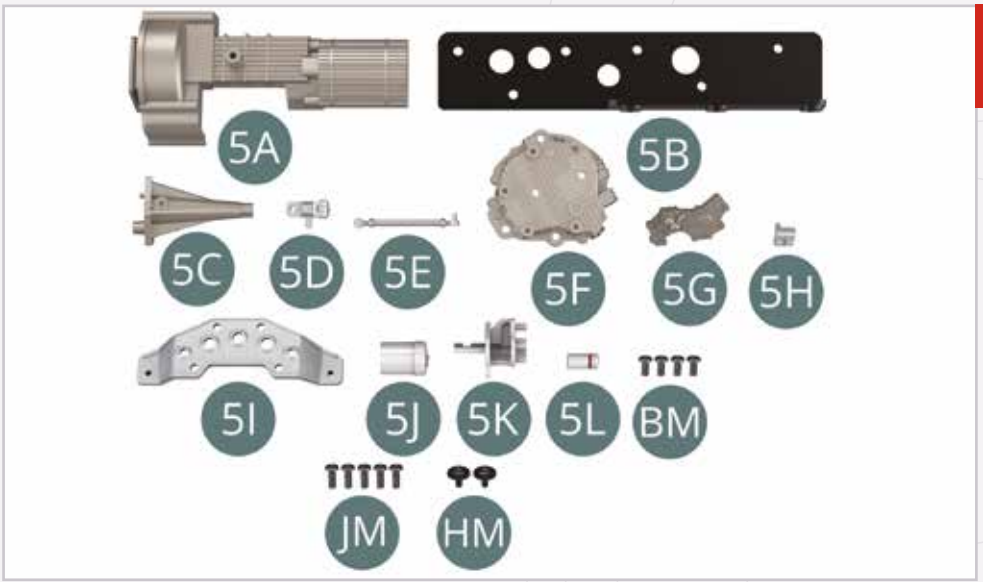
GENERAL VIEW



Assembly guide

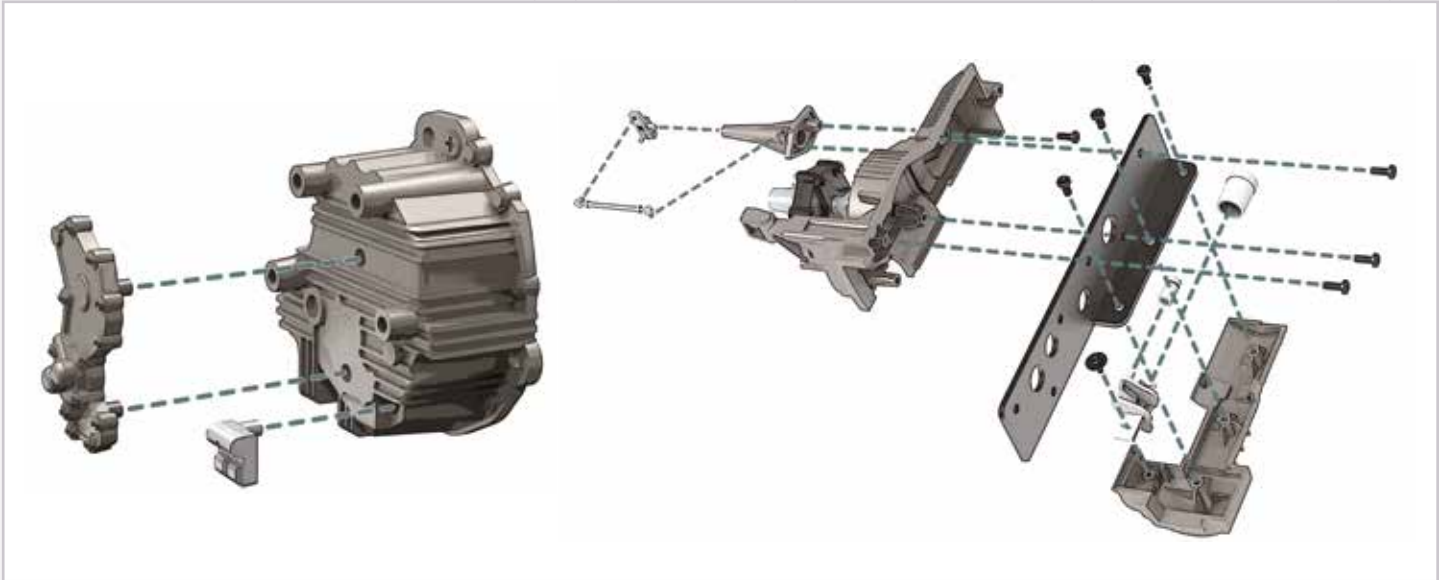
Parts of the issue 5

5A Gearbox casing bottom panel
5B Inner connection bracket
5C Gearbox control support
5D Gearbox control joint
5E Stabilizing rod
5F Gearbox rear casing
5G Gearbox rear cover
5H Gearbox rear pump
5I Exhaust pipe holder
5J Starter motor
5K Starter drive side bracket
5L Starter
BM M2,0 x4mm (x4)
HM M1,7 x4x6 (x2)
JM M2,0 x5mm (x5)



Starter unit assembly

Assembly diagram



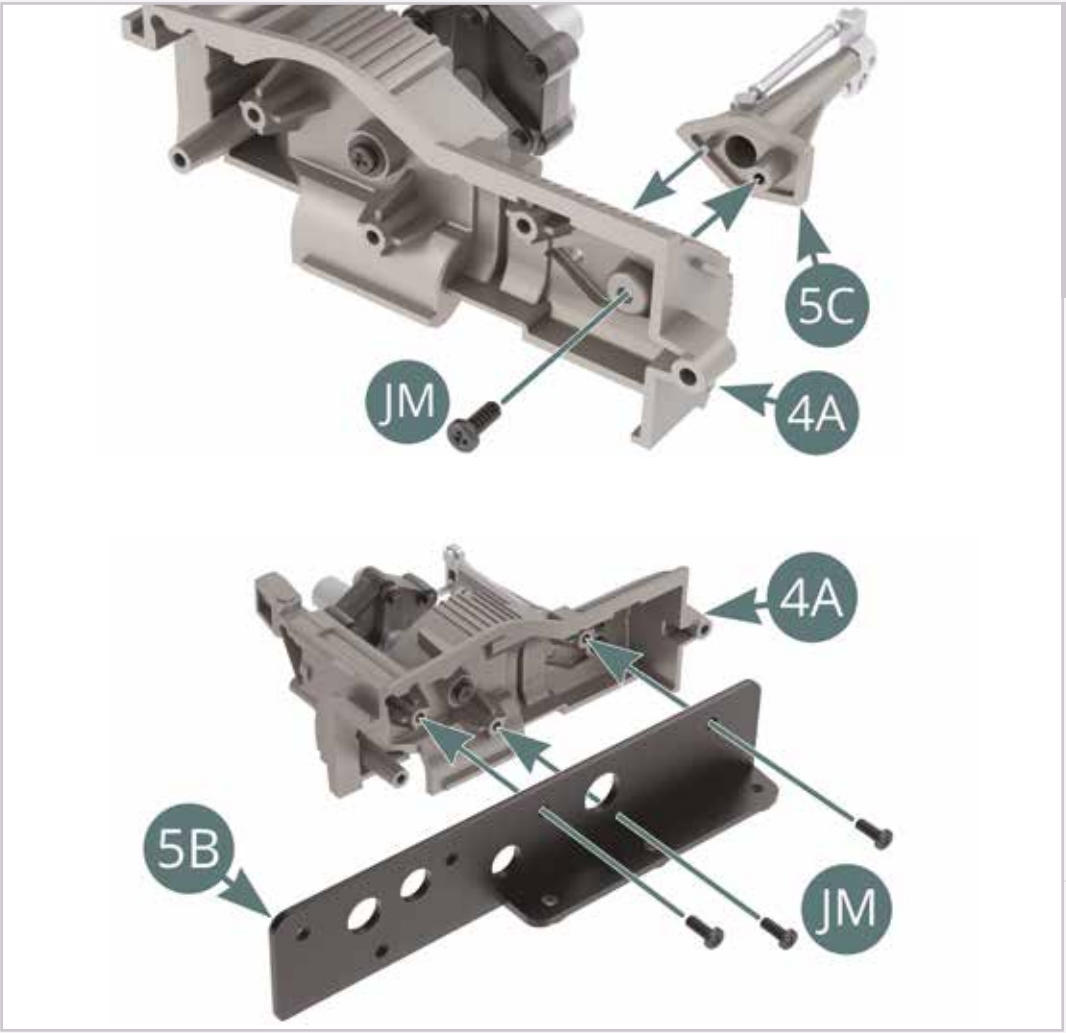
STEP 1

Fit 5D Gearbox control joint to 5C Gearbox control support. Fit 5E Stabilizing rod to 5D Gearbox control joint, and then with rotation motion (blue arrow) fit its end peg into 5C Gearbox control support socket (lower illustrations).





STEP 2

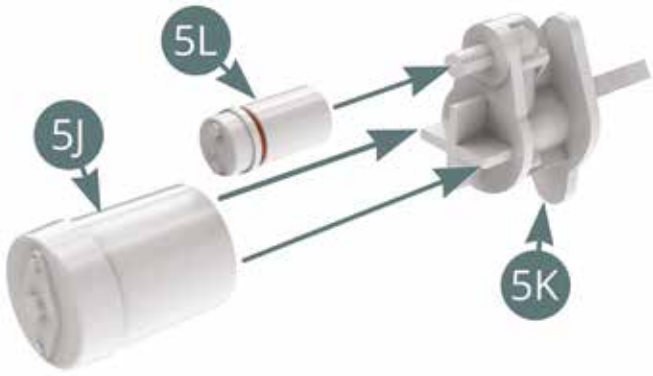


Fit 5C Gearbox control support to 4A Gearbox right side casing and fix with JM screw.
Fit 5B Inner connection bracket to 4A Gearbox right side casing and fix with three JM screws.

STEP 3

5B Inner connection bracket attached to the inner side of 4A Gearbox right side casing.





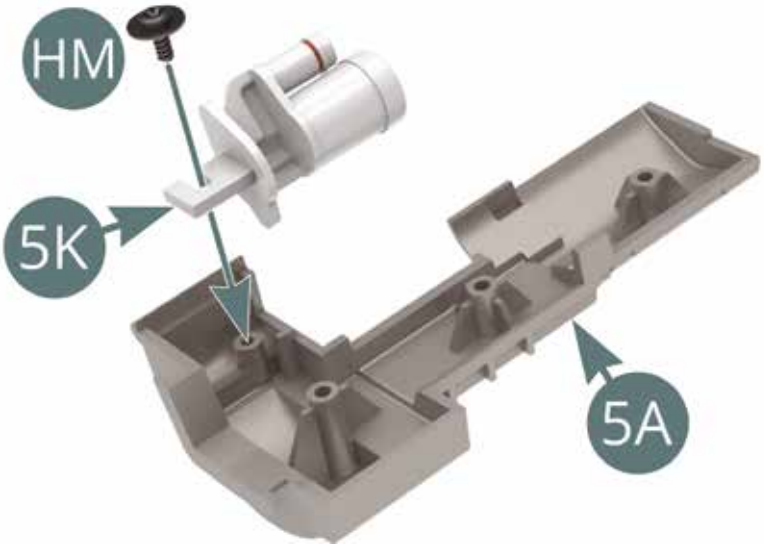
Fit 5L Starter and 5J Starter motor to 5K Starter drive side bracket.

STEP 4

Assembled Starter unit

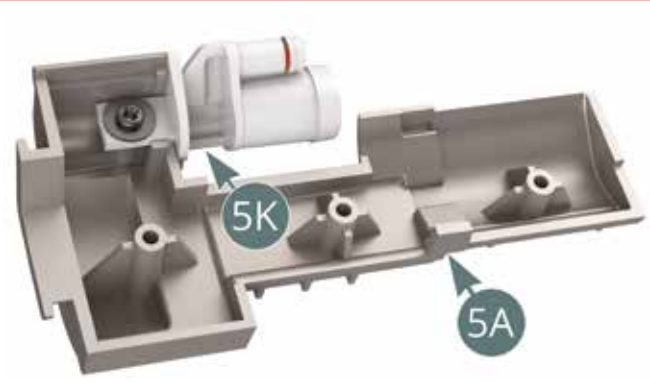


Fit assembled Starter unit by its 5K Starter drive side bracket to 5A Gearbox casing bottom panel and fix with HM screw.

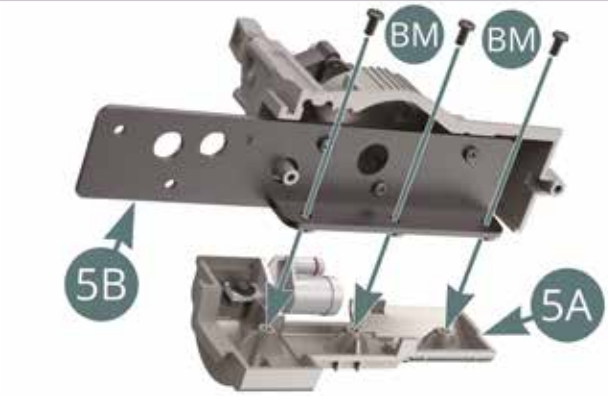


STEP 5

Starter unit attached to Gearbox casing



Fit 5A Gearbox casing bottom panel to 5B Inner connection bracket and fix with three BM screws.



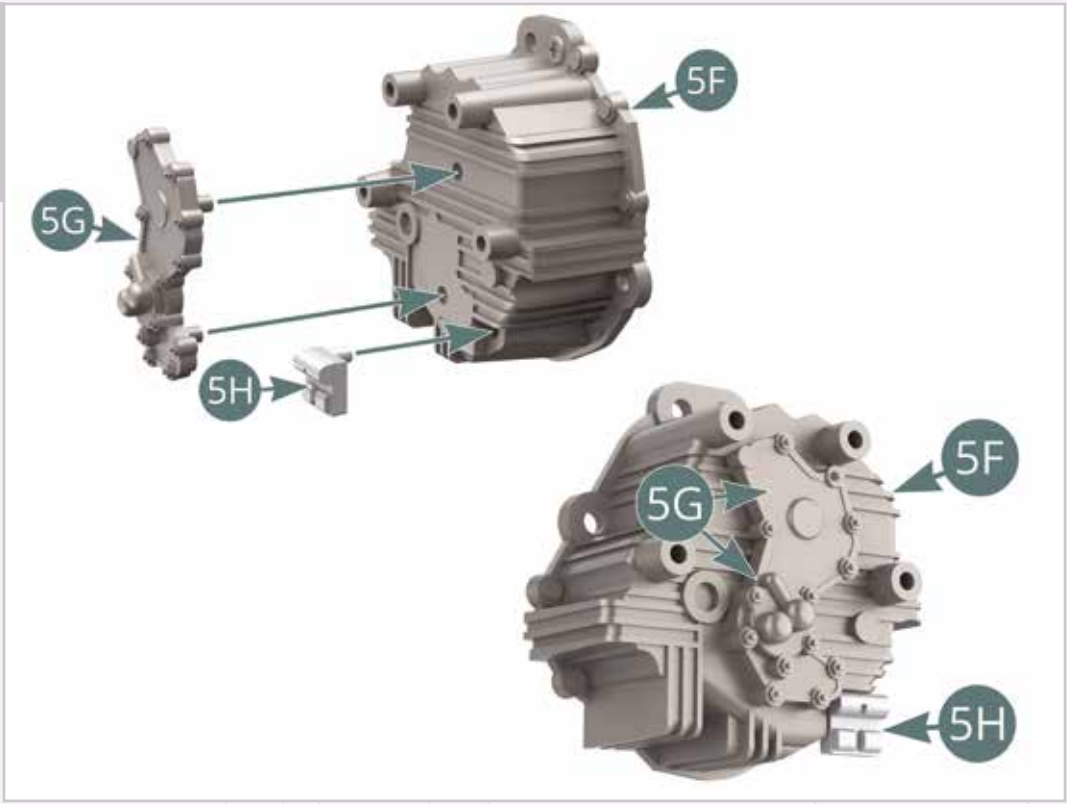
STEP 6

Preassembled 4A Gearbox right side and 5A Bottom Casing panels.



STEP 7

Fit 5G Gearbox rear cover and 5H Gearbox rear pump to 5F Gearbox rear casing (top and bottom illustrations).

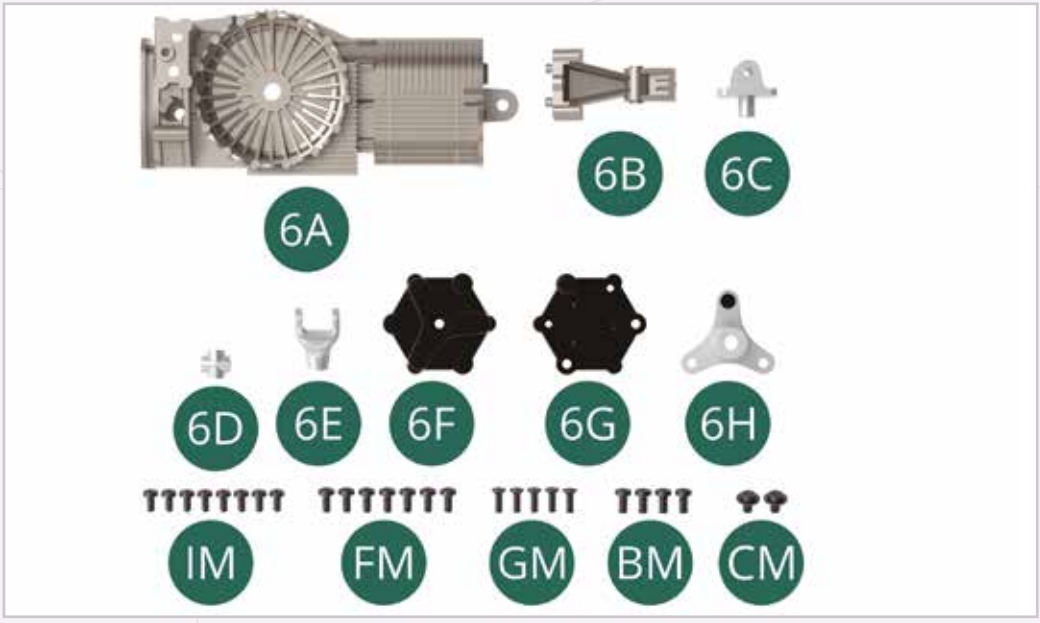


GENERAL VIEW



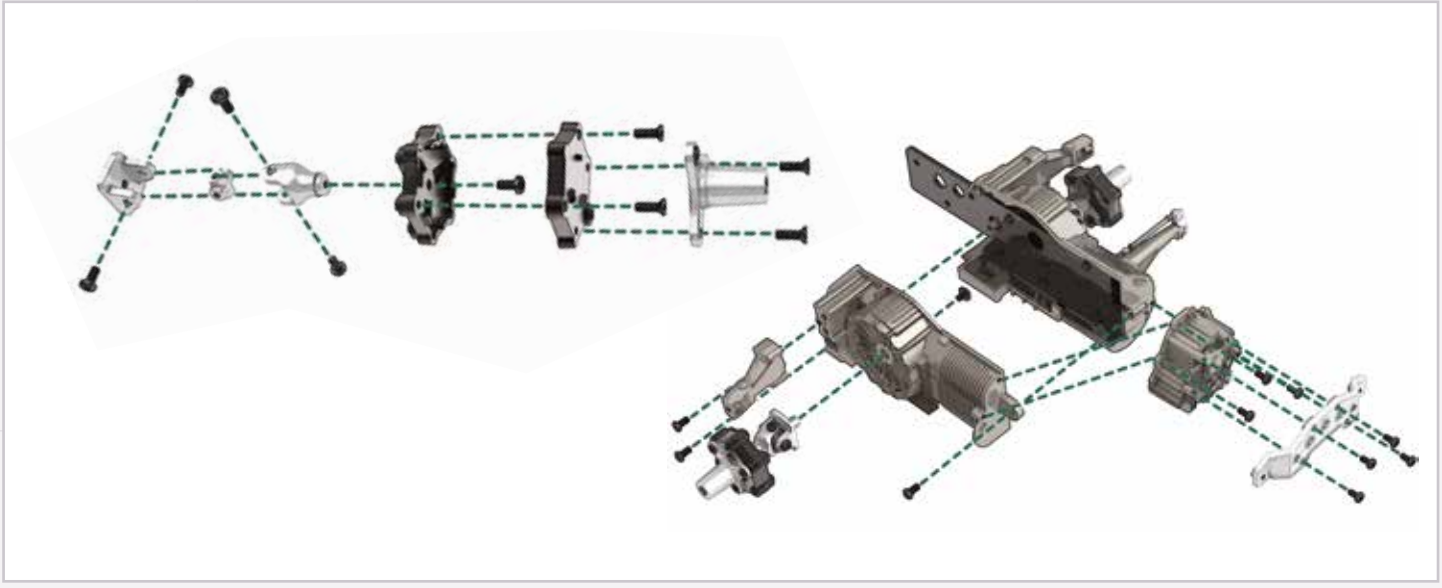
Parts of the issue 6

6A Gearbox left side casing
6B Left side mounting arm
6C Universal joint fork
6D Universal joint cross link
6E Universal joint fork
6F Inner shock absorber
6G Outer shock absorber
6H Drive shaft compensation sleeve
BM M2,0 x4mm (x4)
CM M2,0 x3x5mm (x2)
FM M1,7 x4mm (x7)
GM M1,7 x5mm (x5)
IM M1,7 x3,5mm (x8)



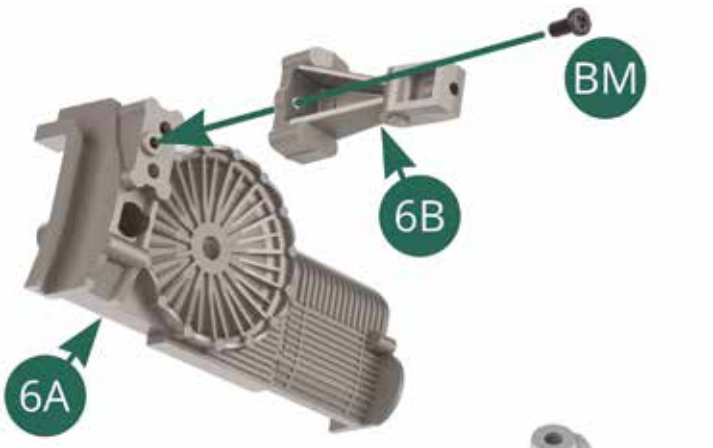
Gear box left side casing and drive shaft preassembly
Full gearbox casing assembly

Assembly diagram

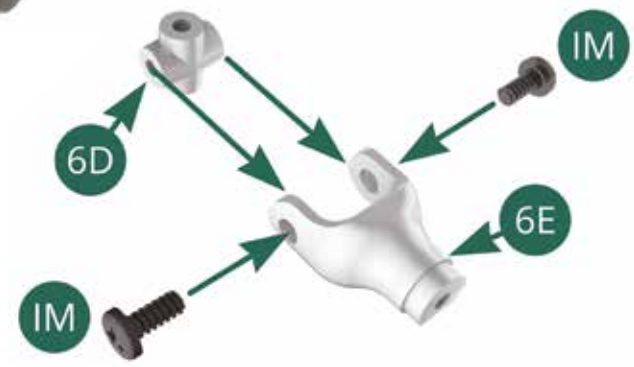


STEP 1

Fit 6B Left side mounting arm to 6A Gearbox left side casing and fix with BM screw.

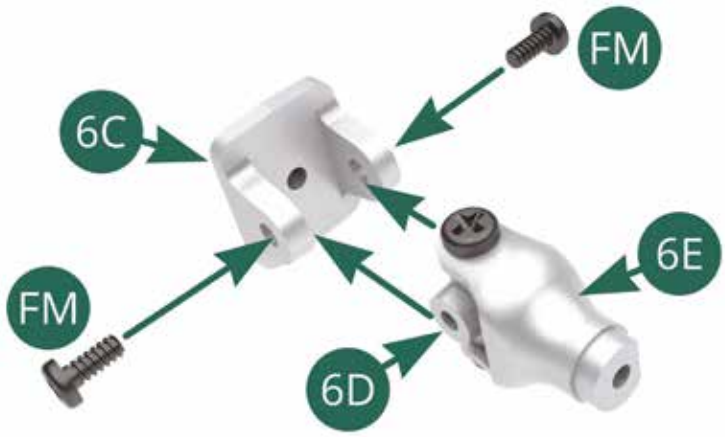


Fit 6D Universal joint cross link to 6E Universal joint fork and fix from both sides with two IM screws, forming moving joint.

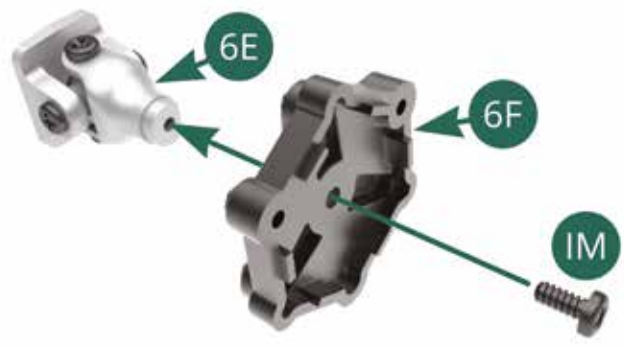


STEP 2

Fit 6D Universal joint cross link to 6C Universal joint fork and fix from both sides with two FM screws forming moving joint.

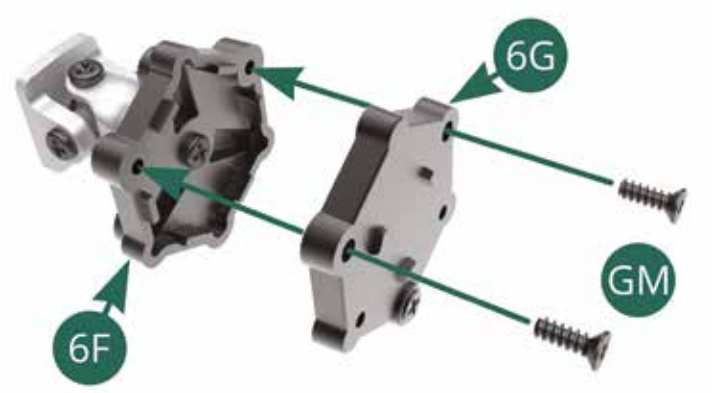


Fit 6F Inner shock absorber to 6E Universal joint fork stub axle and fix with IM screw.

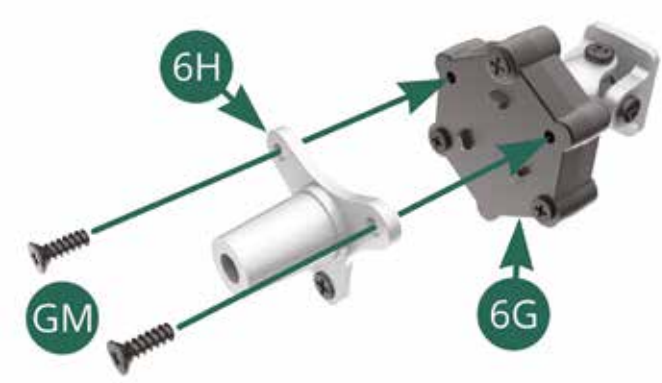


STEP 3

Fit 6G Outer shock absorber to 6F Inner shock absorber and fix with two GM screws.

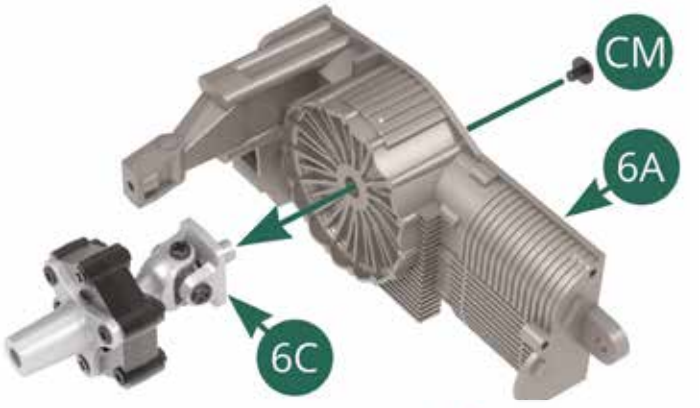


Fit 6H Drive shaft compensation sleeve to 6G Outer shock absorber and fix with two GM screws.

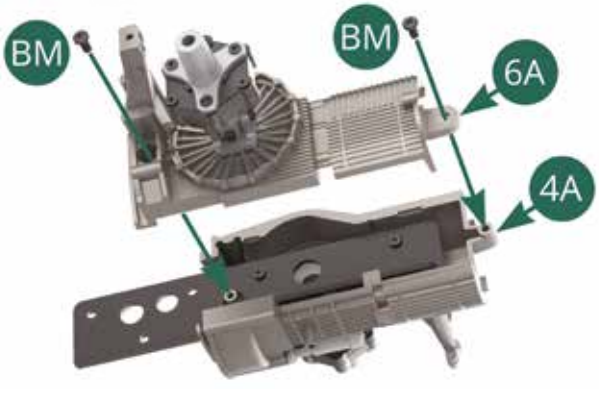


STEP 4

Fit 6C Universal joint fork stub axle to 6A Gearbox left side casing and fix with CM screw, forming rotating joint for left wheel drive shaft.

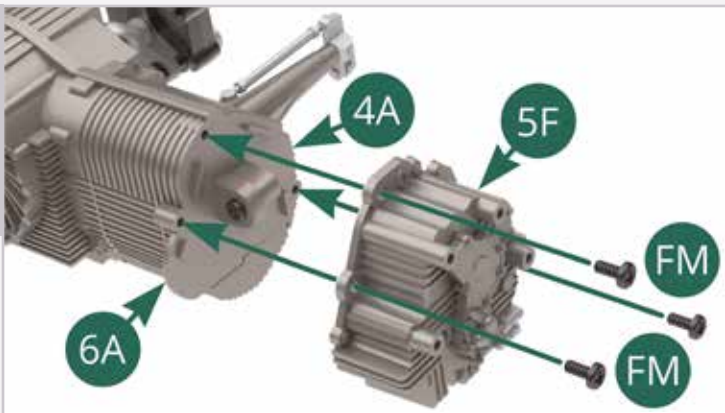


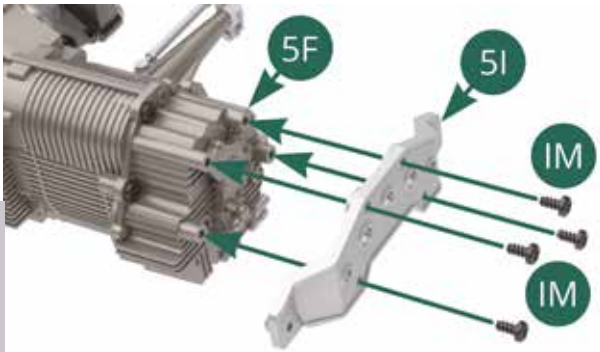
Fit together 6A Gearbox left and 4A Gearbox right side casings and fix with two BM screws.



STEP 5

Fit 5F Gearbox rear casing to 4A Gearbox right and 6A Gearbox left side casings ends and fix with three FM screws





Fit 5I Exhaust pipe holder to 5F Gearbox rear casing and fix with four IM screws.

General view



Parts of the issue 7

7A Right Engine block

7B Camshaft drive housing

7C Camshaft drive cover

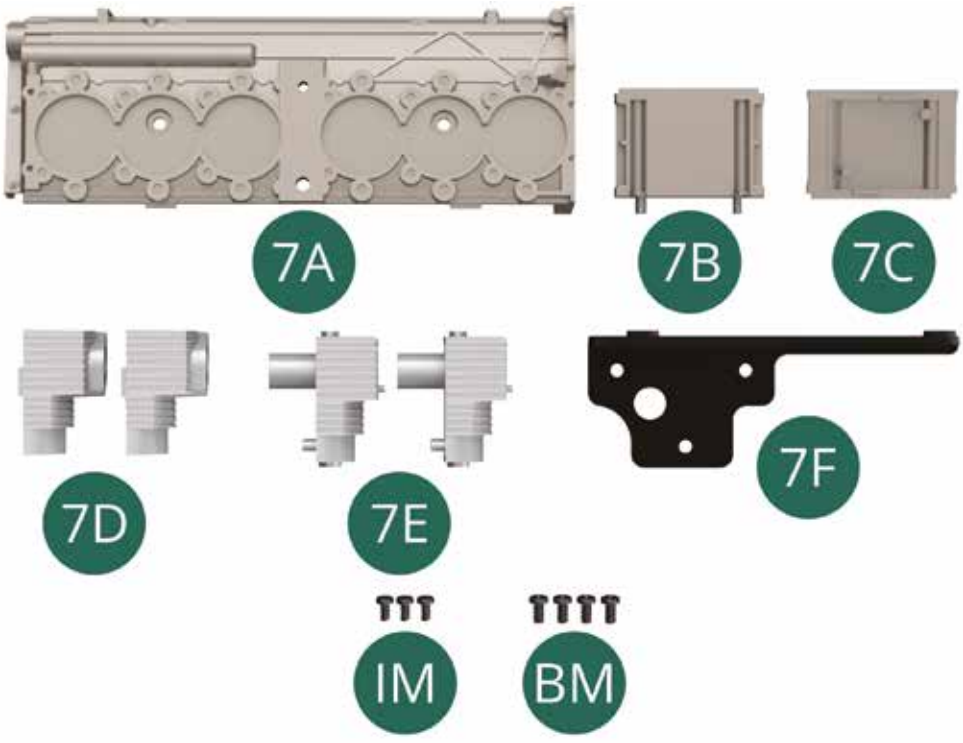
7D Cylinder upper part (x2)

7E Cylinder lower part (x2)

7F Connection bracket

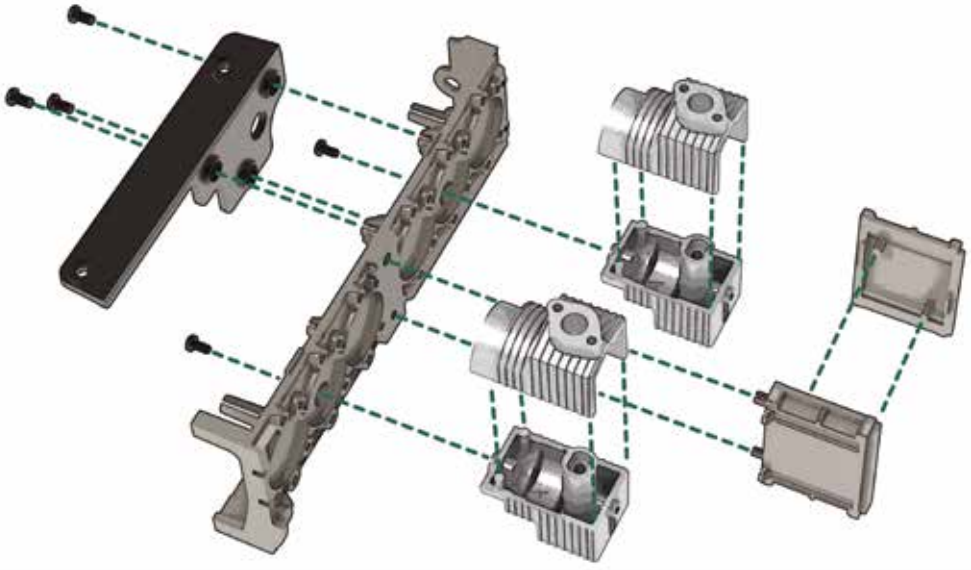
BM M2,0 x4mm (x4)

IM M1,7 x3,5mm (x3)



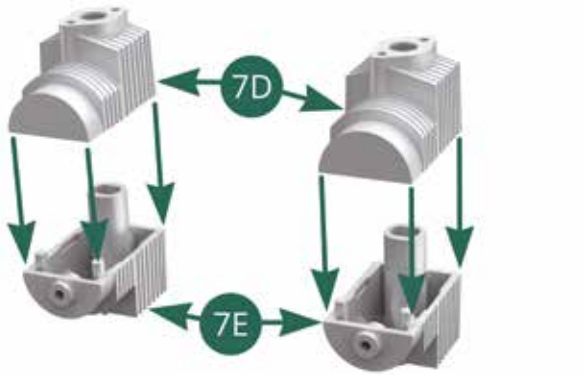
Engine assembly

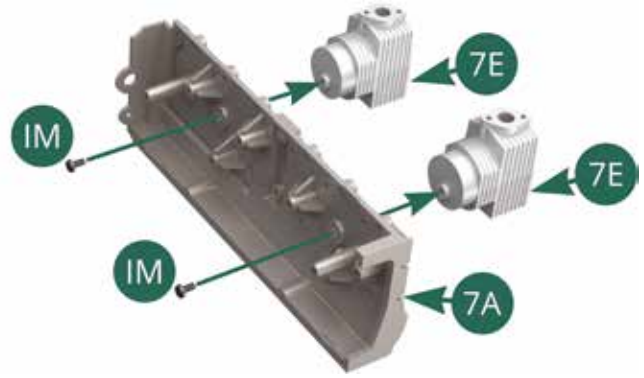
Assembly diagram



STEP 1

Fit together 7D Cylinder upper and 7E Cylinder lower parts forming two preassembled Cylinders.

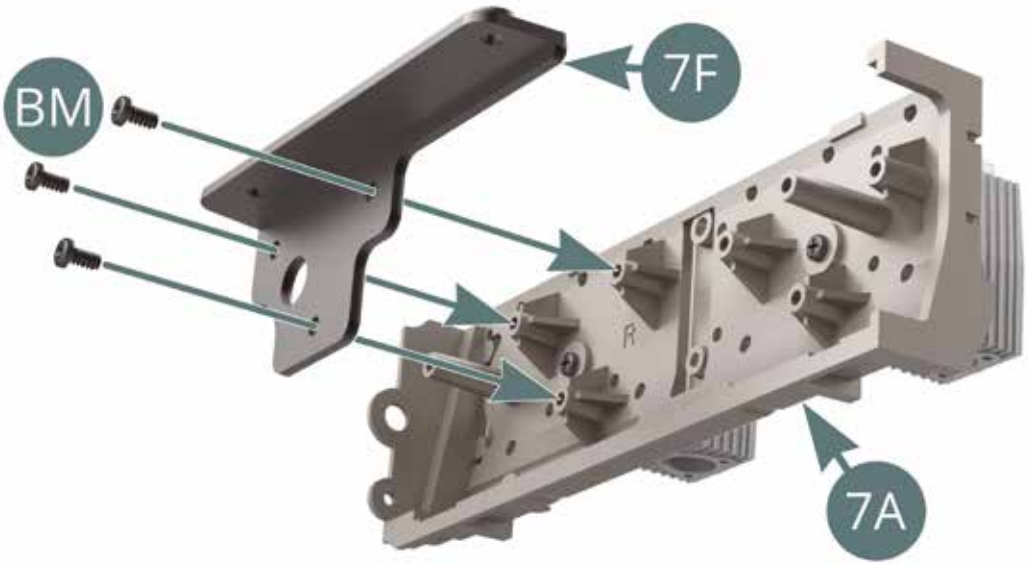




Fit two preassembled Cylinders by ther 7E Lower parts to 7A Right Engine Block wall and fix with two IM screws.

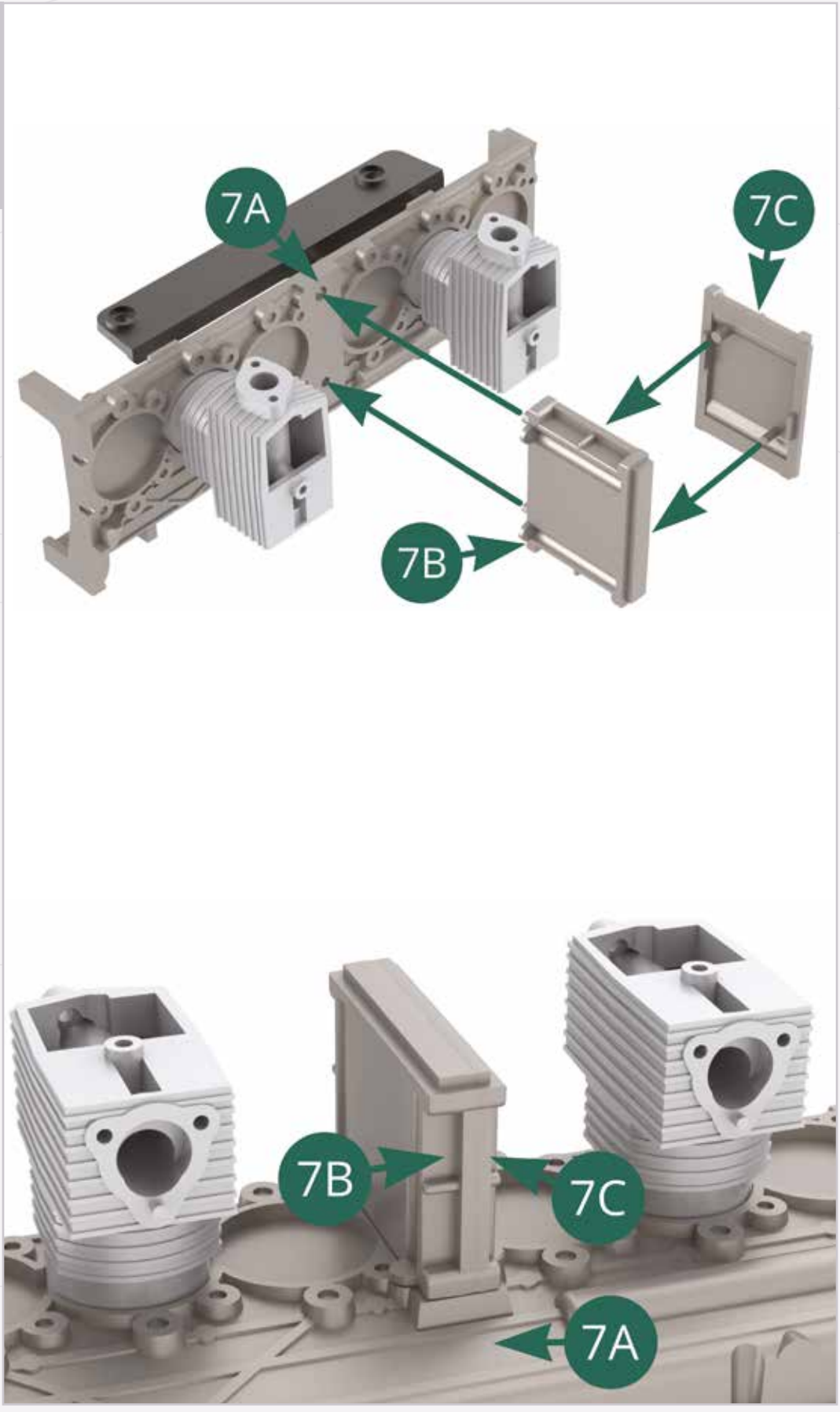
STEP 2

Fit 7F Connection bracket to inner side of 7A Right Engine block wall and fix with three BM screws.



STEP 3

Attach 7C Camshaft drive cover to 7B Camshaft drive housing and fit the latter to 7A Right engine block on its two pins (upper and lower illustrations).



General view





Parts of the issue 8

8A Front cover

8B Distributor housing

8C Oil hose (x2)

8D Oil filter

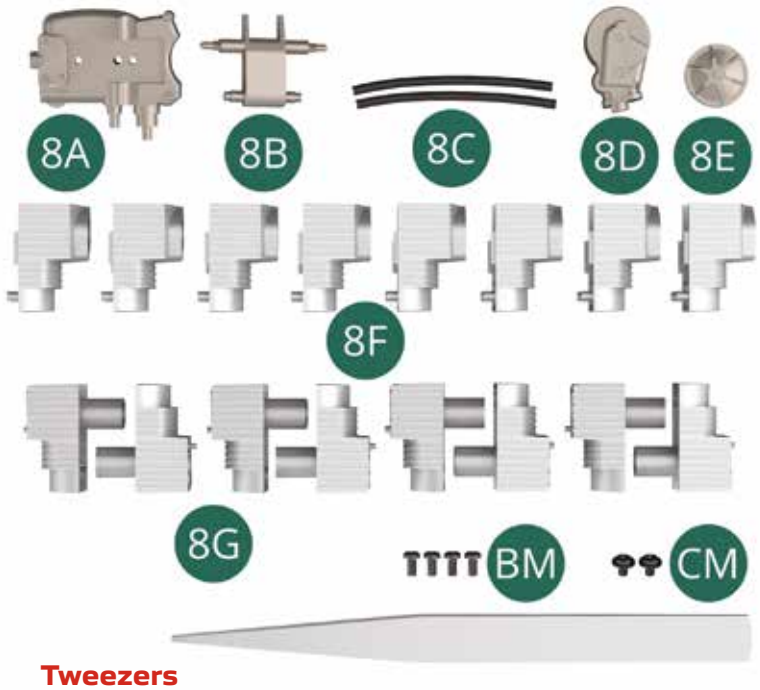
8E Oil filter cover

8F Cylinder upper part (x8)

8G Cylinder lower part (x8)

BM M2,0 x4mm (x4)

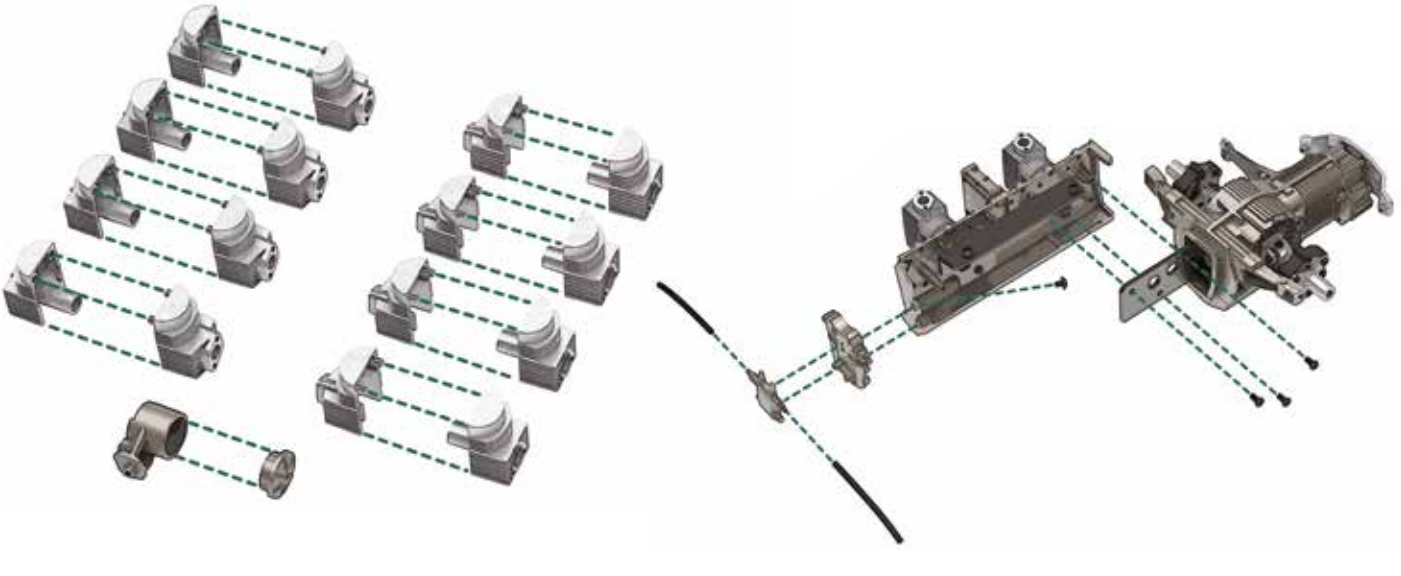
CM M2,0 x3x5mm (x2)



Tweezers

Engine, and engine components assembly. Engine connection with transmission body

Assembly diagram



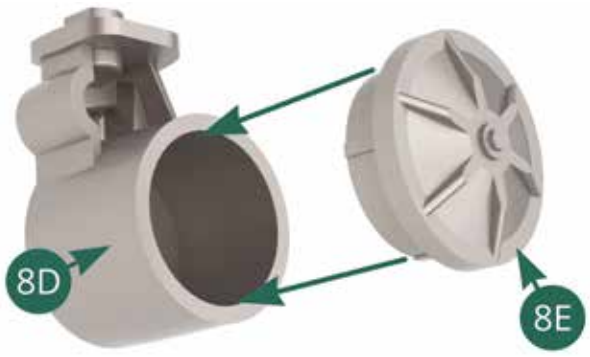
STEP 1

Fit together 8F Cyliner upper and 8G Cylinder lower parts, forming eight preassembled Cylinders as shown on illustration below.

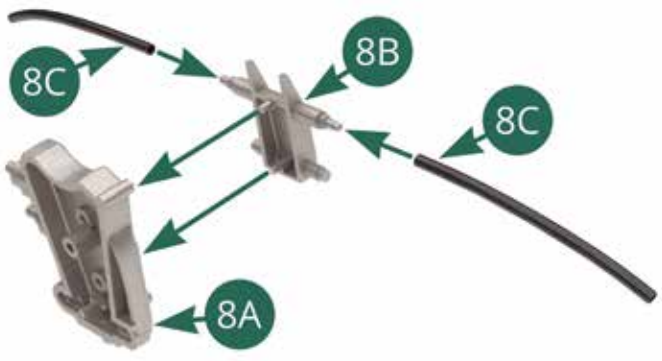


STEP 2

Fit 8E Oil filter cover to 8D Oil filter.

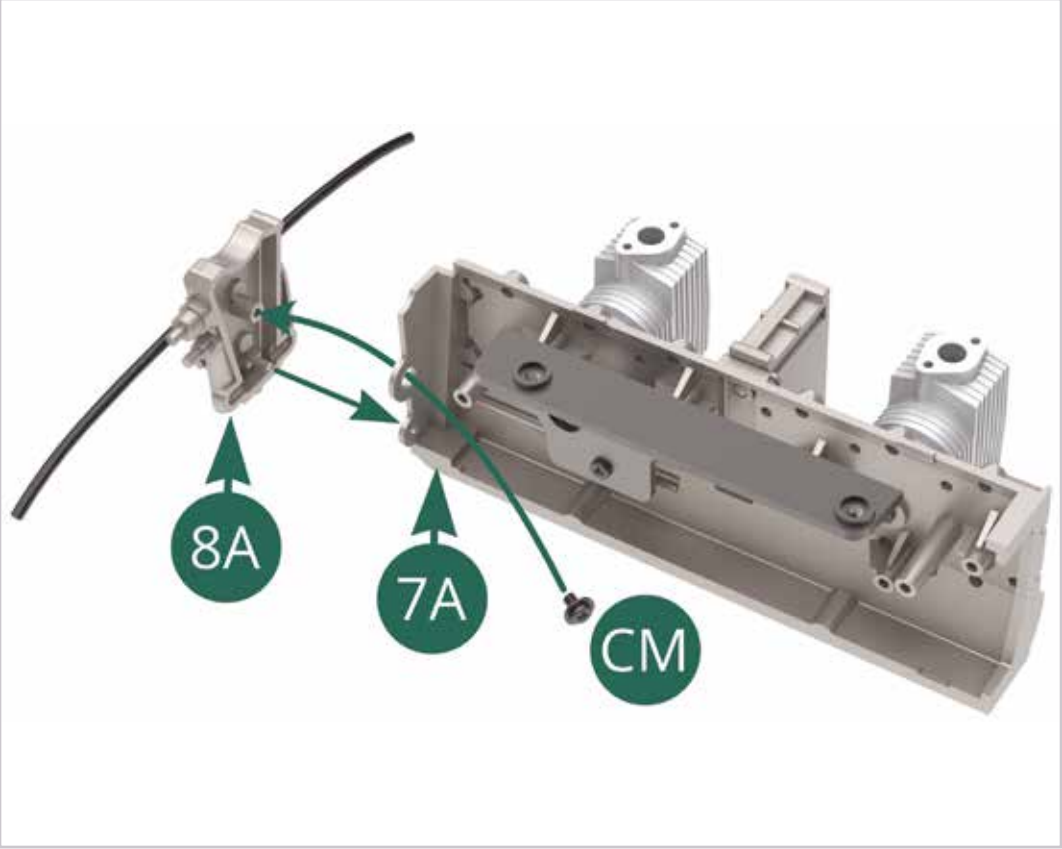


Fit two 8C Oil hoses to 8B Distributor housing. Fit 8B Distributor housing on top of 8A Front cover.

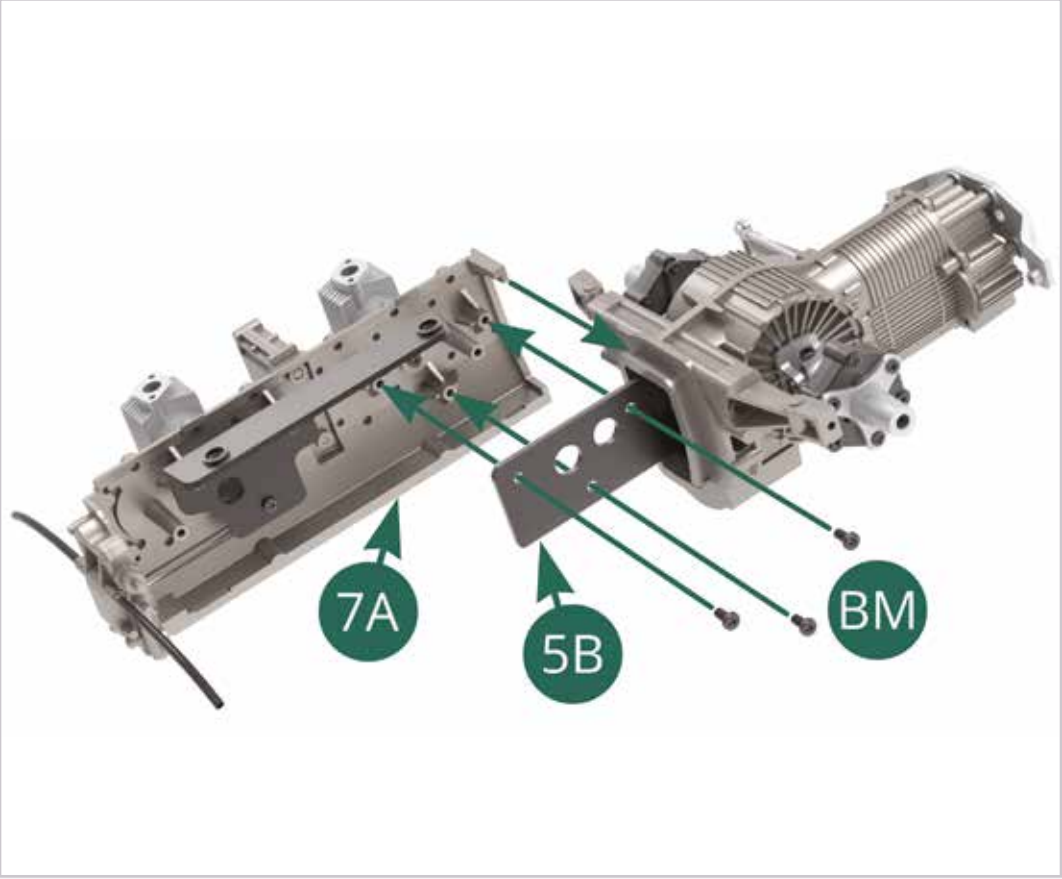


STEP 3

Fit 8A Front cover to 7A Right engine block end wall and fix with CM screw.

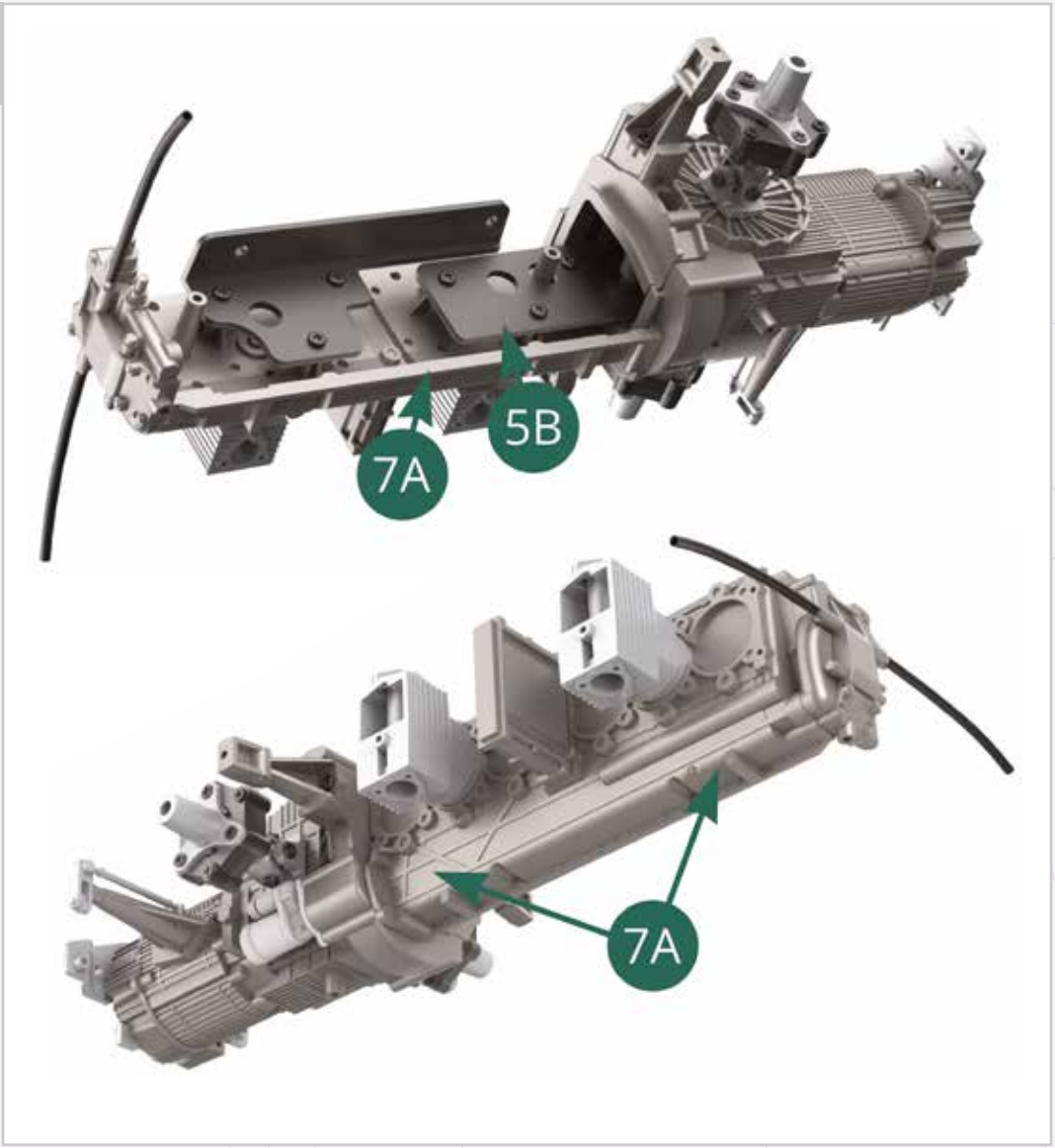


Fit 7A Right engine block to 5B Inner connection bracket of preassembled Transmission and fix with three BM screws.



STEP 4

Right engine block fitted to Transmission.



General view



Parts of the issue 9

9A Right Cylinder head

9B Spark plug (x12 plus x6 extra)

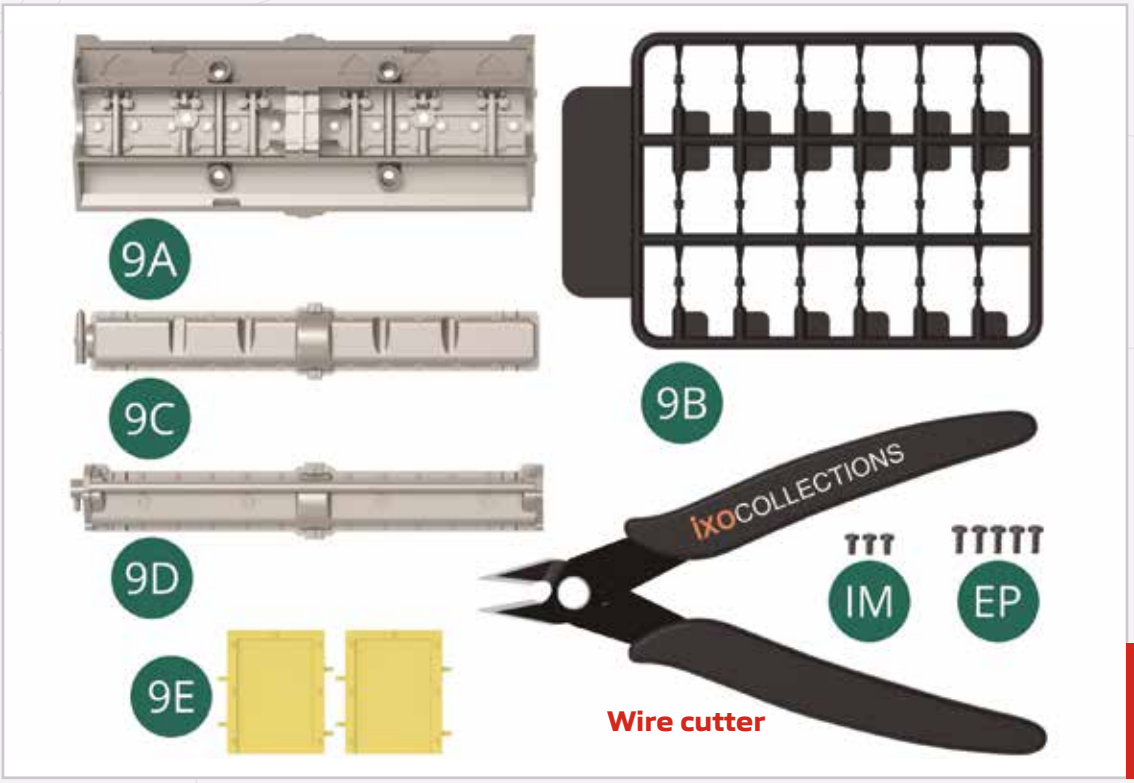
9C Intake valve cover

9D Exhaust valve cover

9E Partition (x2)

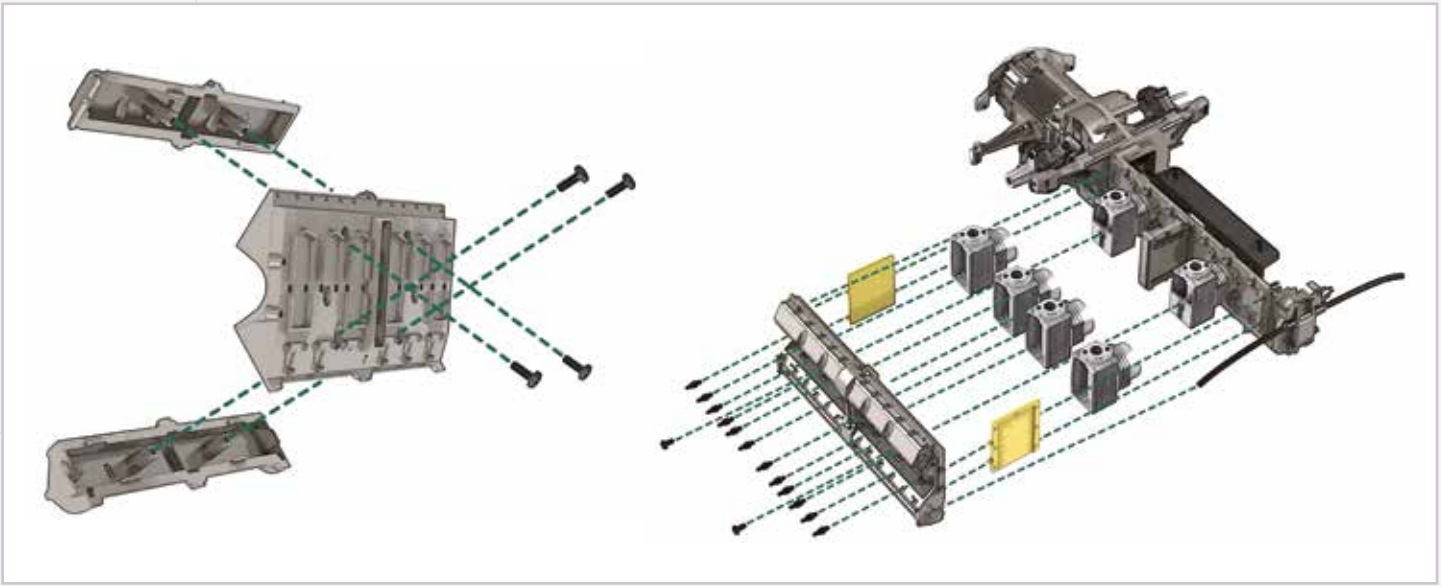
EP M1,7 x5mm (x5)

IM M1,7 x3,5mm (x3)



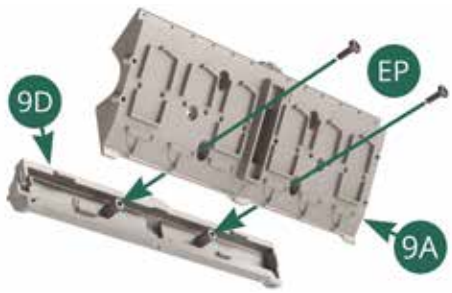
Right Cylinder head assembly and installation

Assembly diagram

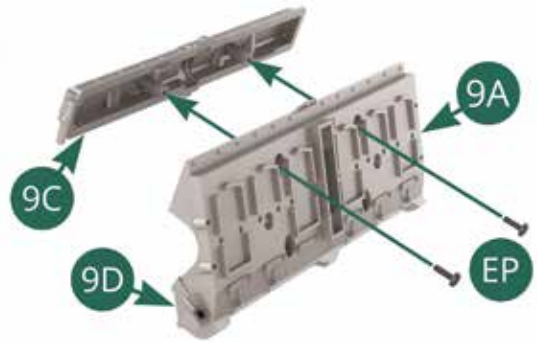


STEP 1

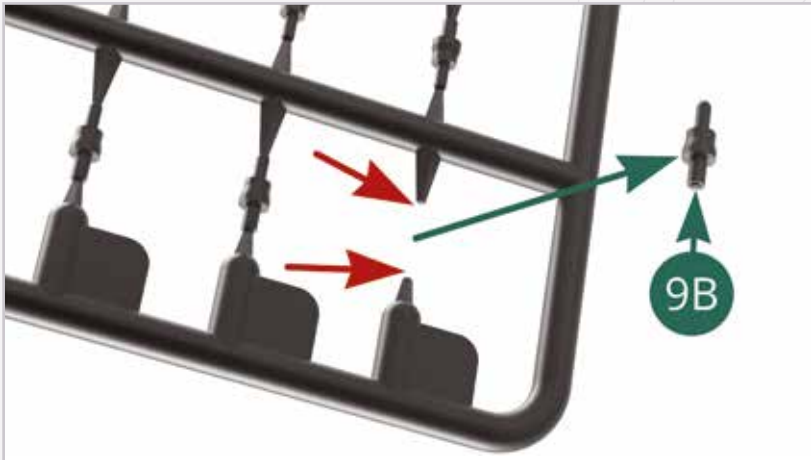
Fit 9D Exhaust valve cover to 9A Right Cylinder head lower side and fix with two EP screws.

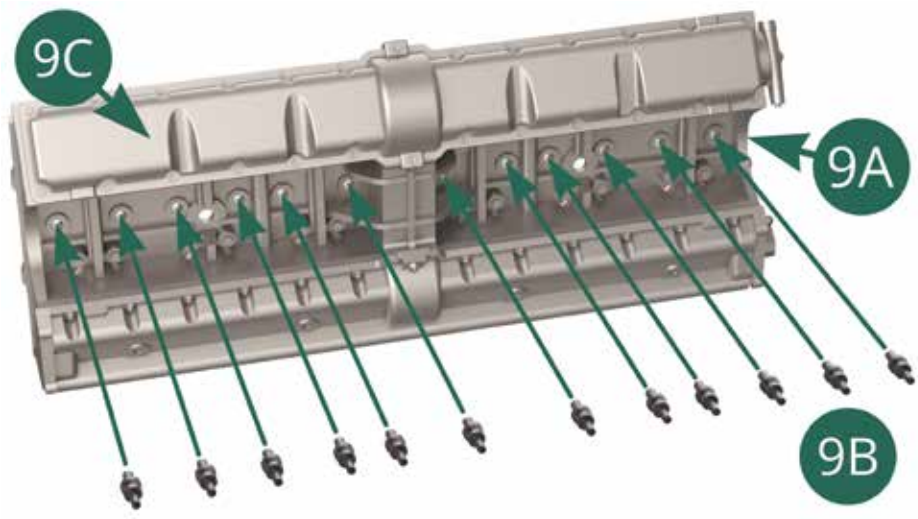


Fit 9C Intake valve cover to 9A Right Cylinder head upper side and fix with two EP screws.



STEP 2

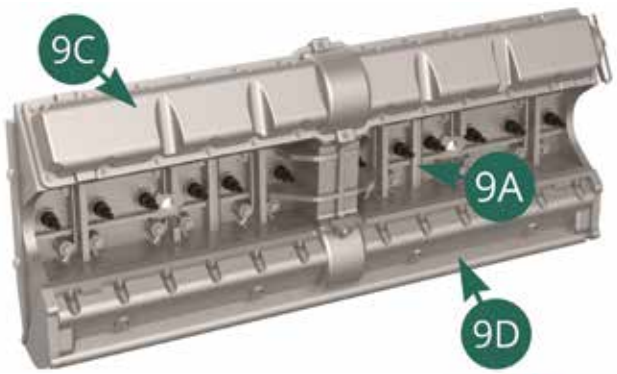




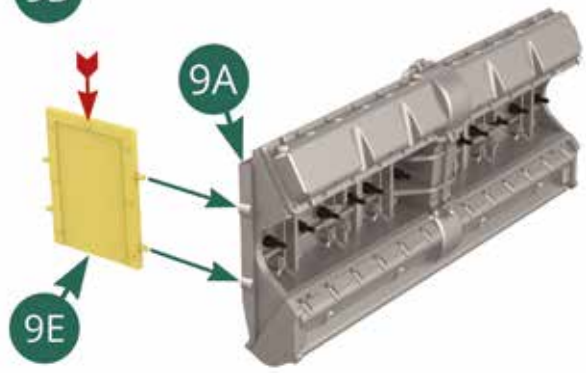
Using precision nippers and tweezers, one by one, nip off twelve 9B Spark plugs and fit to 9A Right Cylinder head (upper and lower illustrations).

STEP 3

9C Intake, 9D Exhaust valve covers and Spark plugs installed on 9A Right Cylinder head.

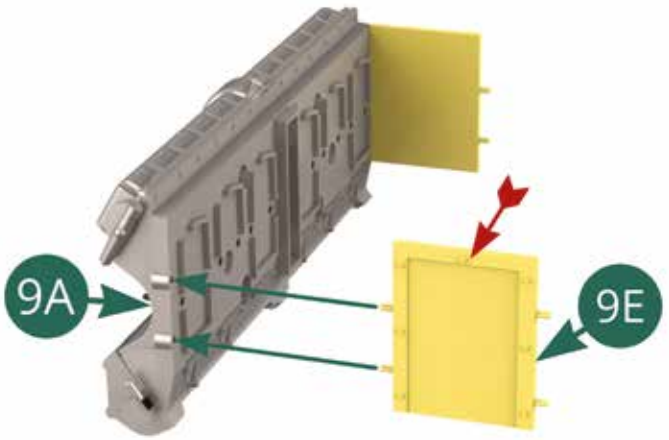


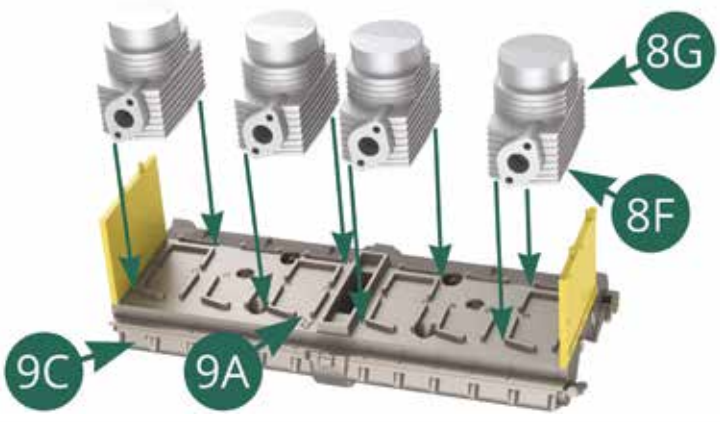
Fit first 9E partition, facing its riveted side (red arrow), to 9A Right Cylinder head left end side.



STEP 4

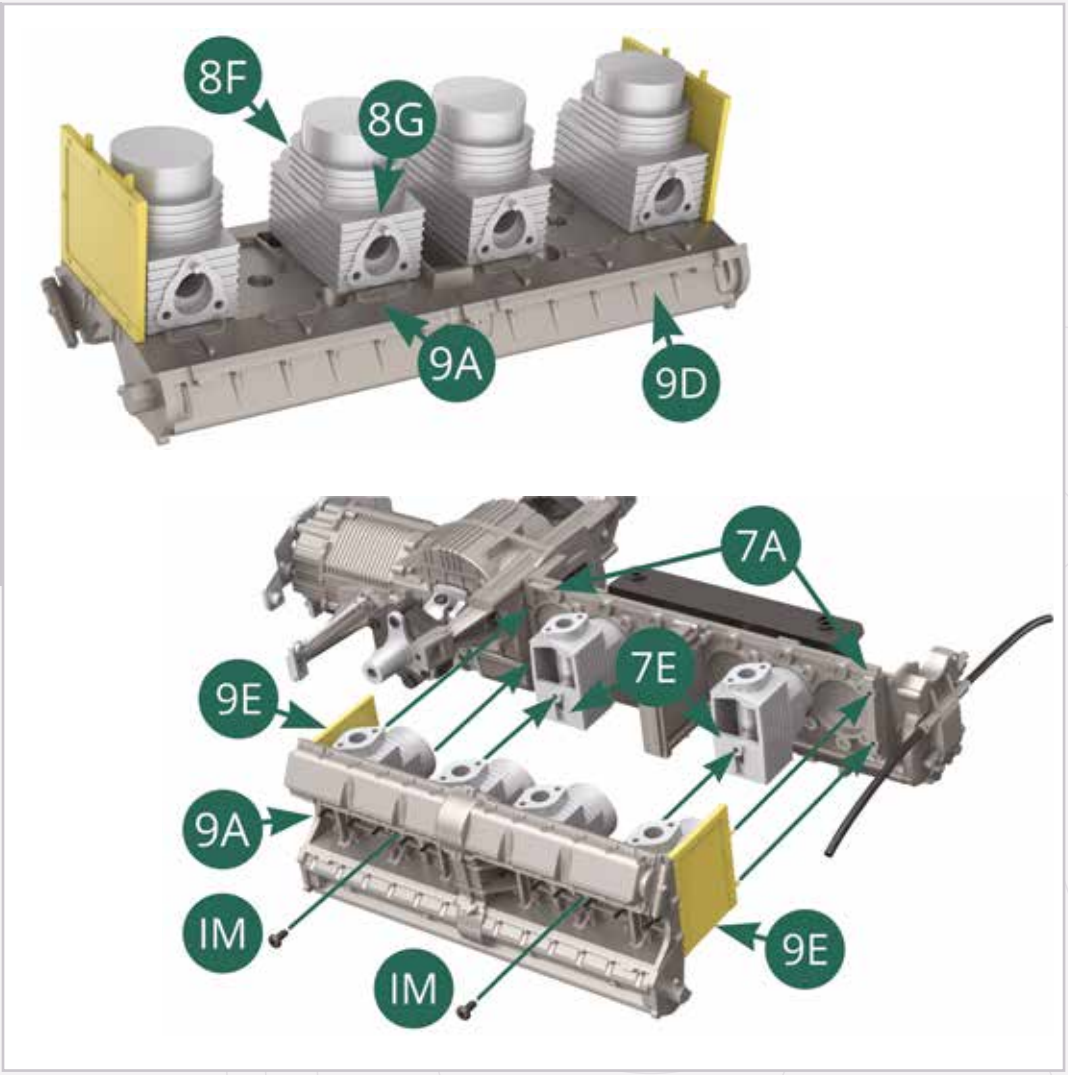
Fit second 9E partition, facing its riveted side (red arrow), to 9A Right Cylinder head right end side.
Fit four preassembled Cylinders formed by parts 8G and 8F to guiding ribs on 9A Right Cylinder head back wall.





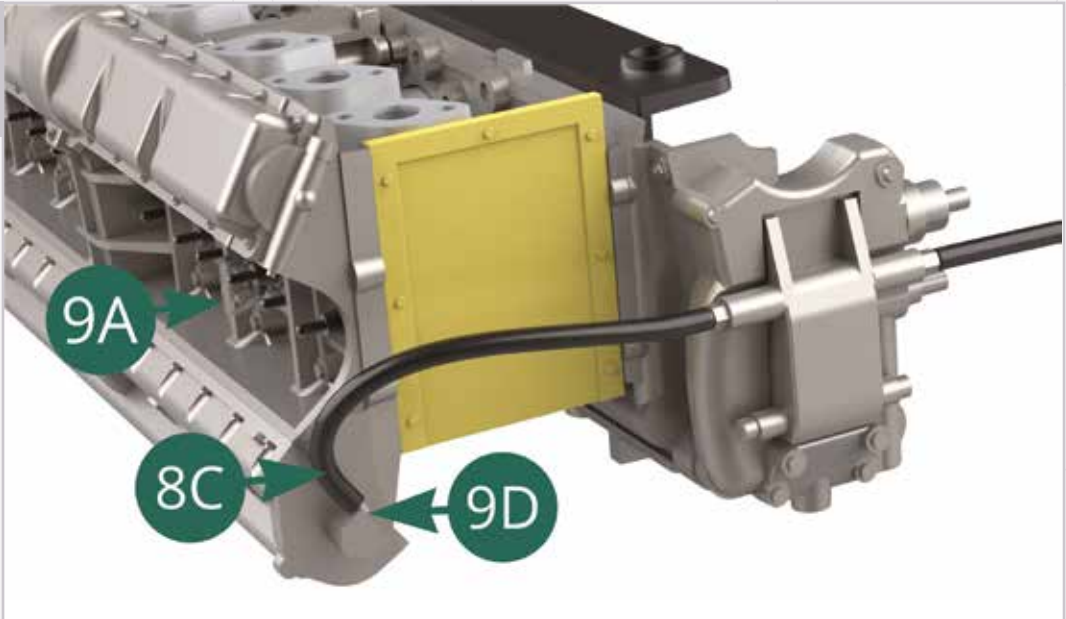
STEP 5

Four preassembled Cylinders formed by parts 8G and 8F installed on 9A Right Cylinder head back wall. Fit preassembled 9A Right Cylinder head with its four Cylinders and two 9E Partitions to 7A Right engine block and two 7E Cylinders and fix to the latter with two IM screws. While fitting consider holding 9A Cylinder head upright to avoid its four cylinders displacement.

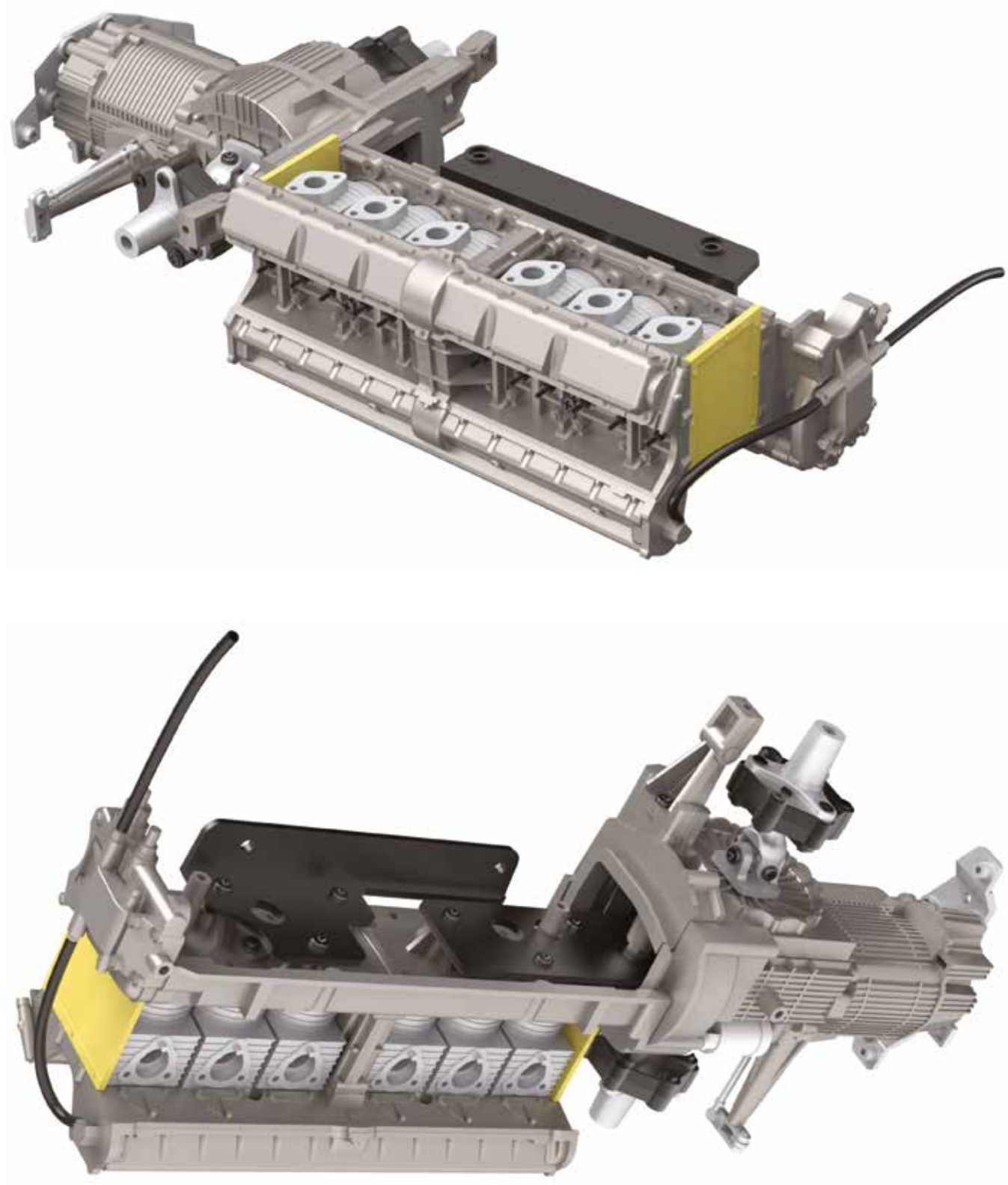


STEP 6

Fit 8C Oil hose to the intake peg on 9D Exhaust valve cover end side.

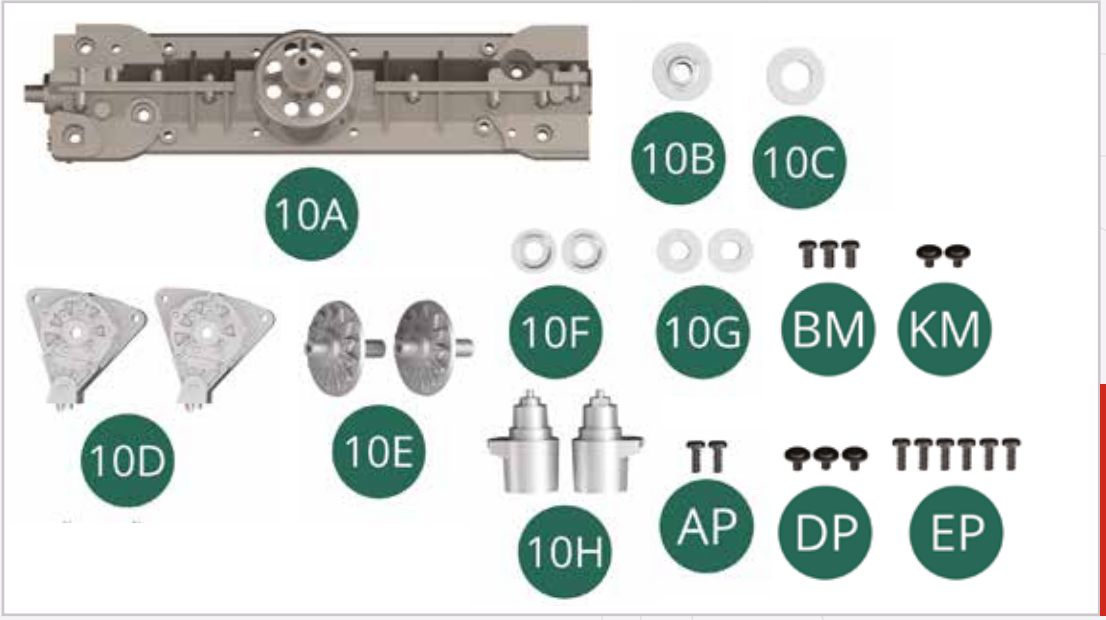


General view



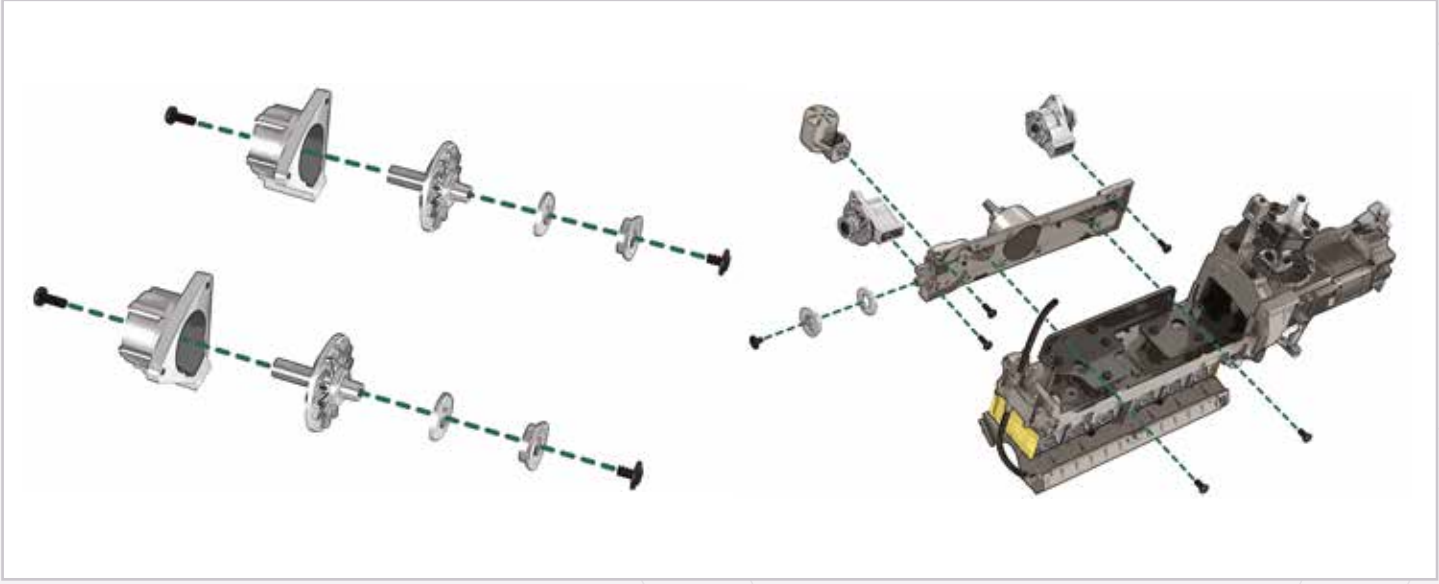
Parts of the issue 10

10A 10A Crankcase top panel
10B Sheave
10C O-ring
10D Generator (x2)
10E Front cover and axle (x2)
10F Sheave (x2)
10G O-ring (x2)
10H Distributor base (x2)
AP M1,7 x4mm (x2)
BM M2,0 x4mm (3)
DP M1,7 x3x5mm (x3)
EP M1,7 x5mm (x6)
KM M1,7 x3x5mm (x2)



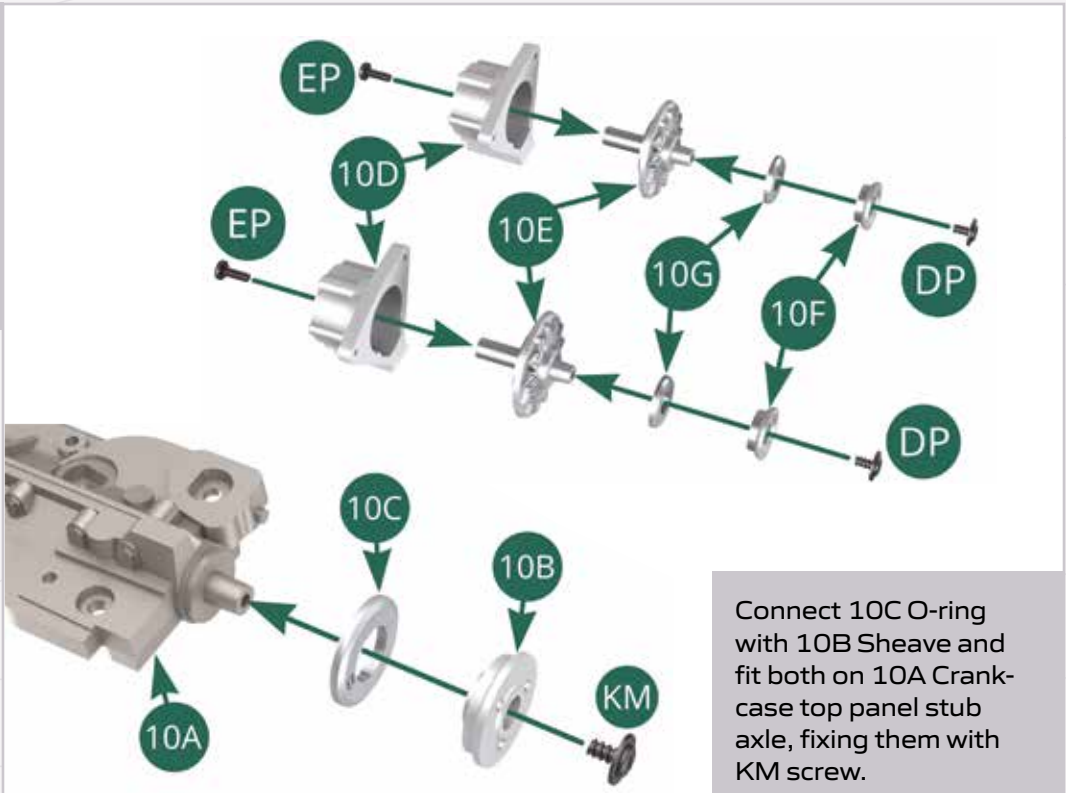
Generators, Crankcase top panel and Oil Pump assembly and installation on the engine

Assembly diagram



STEP 1

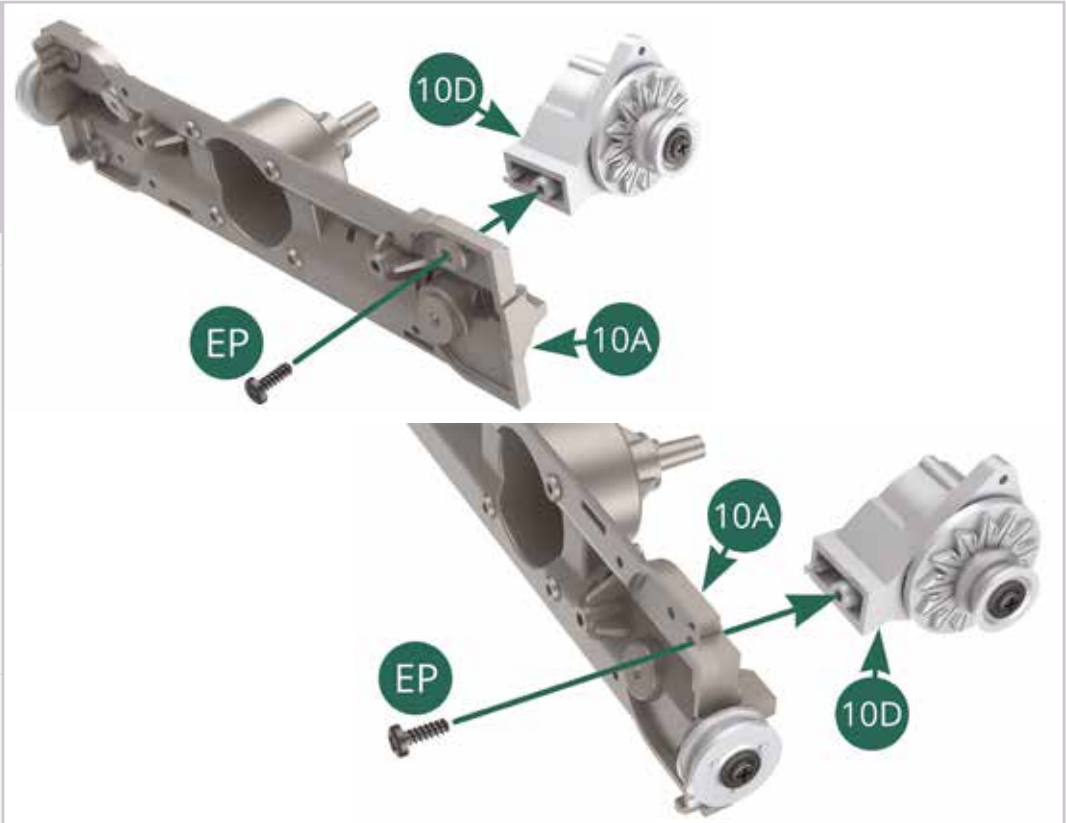
Fit 10G O-ring followed by 10F Sheave on 10E Front cover and axle and fix with DP screw. Fit 10E Front cover and axle to 10D Generator and fix with EP screw. Assemble this way two generators.



Connect 10C O-ring with 10B Sheave and fit both on 10A Crank-case top panel stub axle, fixing them with KM screw.

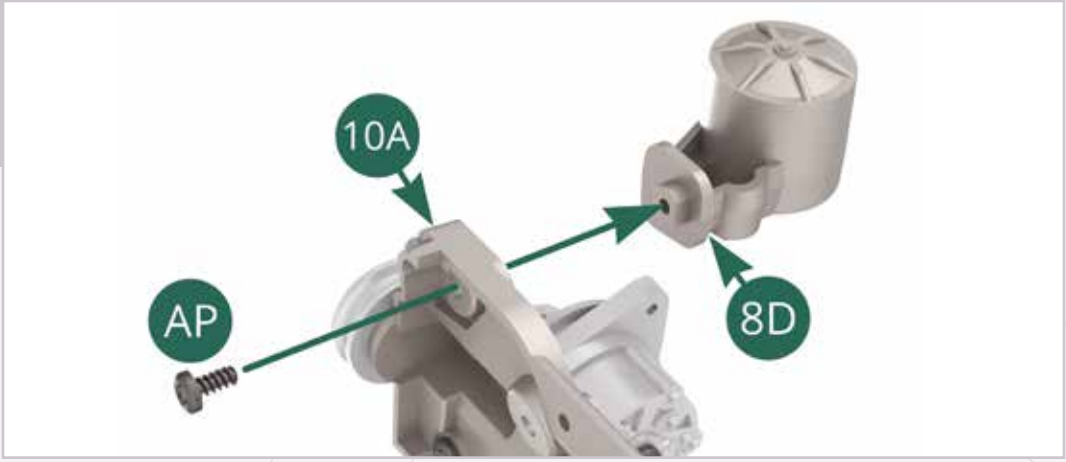
STEP 2

Fit 10D Generators at the ends of 10A Crank-case top panel and fix both with EP screws (top and bottom illustrations).

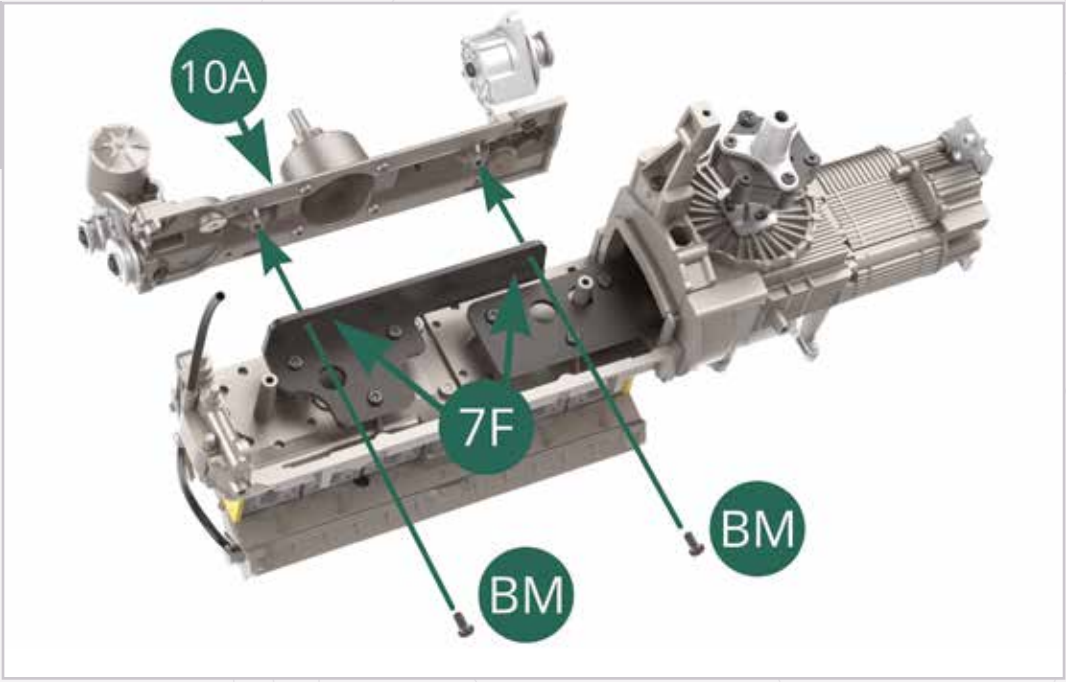


STEP 3

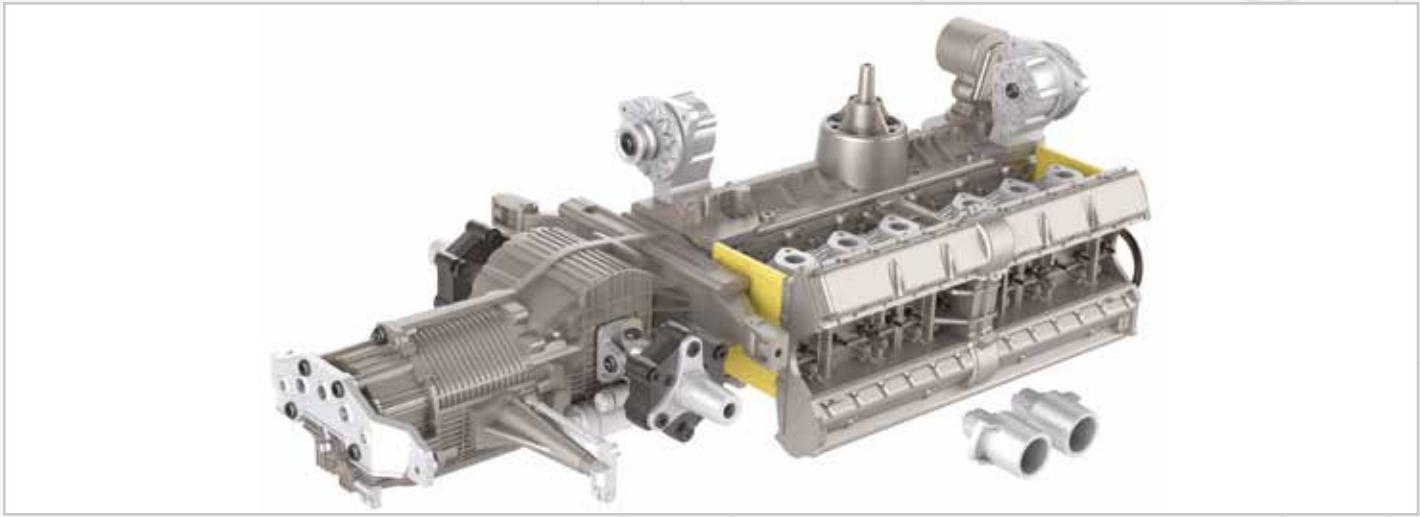
Fit 8D Oil filter mount to 10A Crankcase top panel and fix with AP screw.



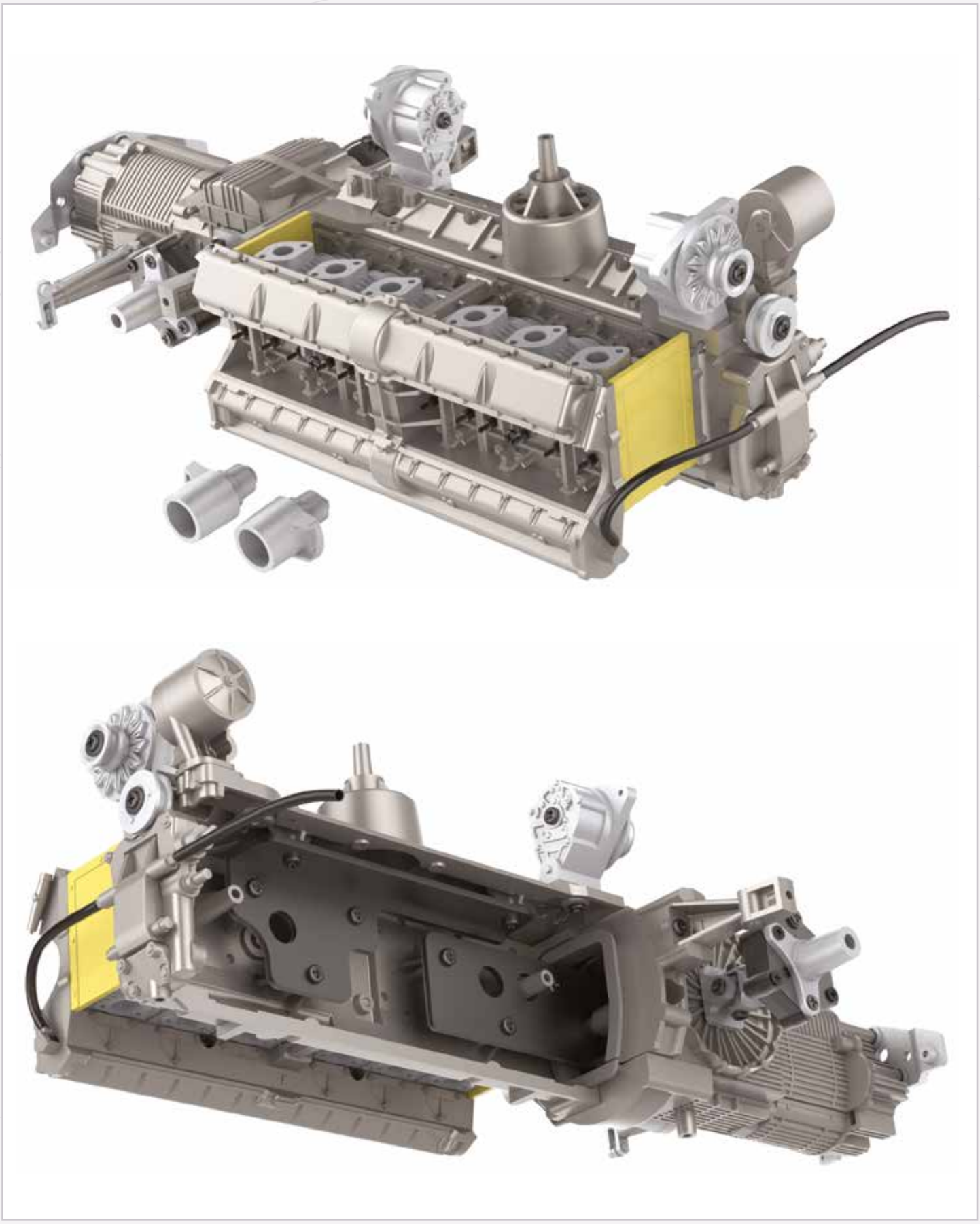
Fit 10A Crankcase top panel to 7F Connection bracket and fix with two BM screws.



GENERAL VIEW



General view



Parts of the issue 11

11A Left Engine block

11B Camshaft drive housing

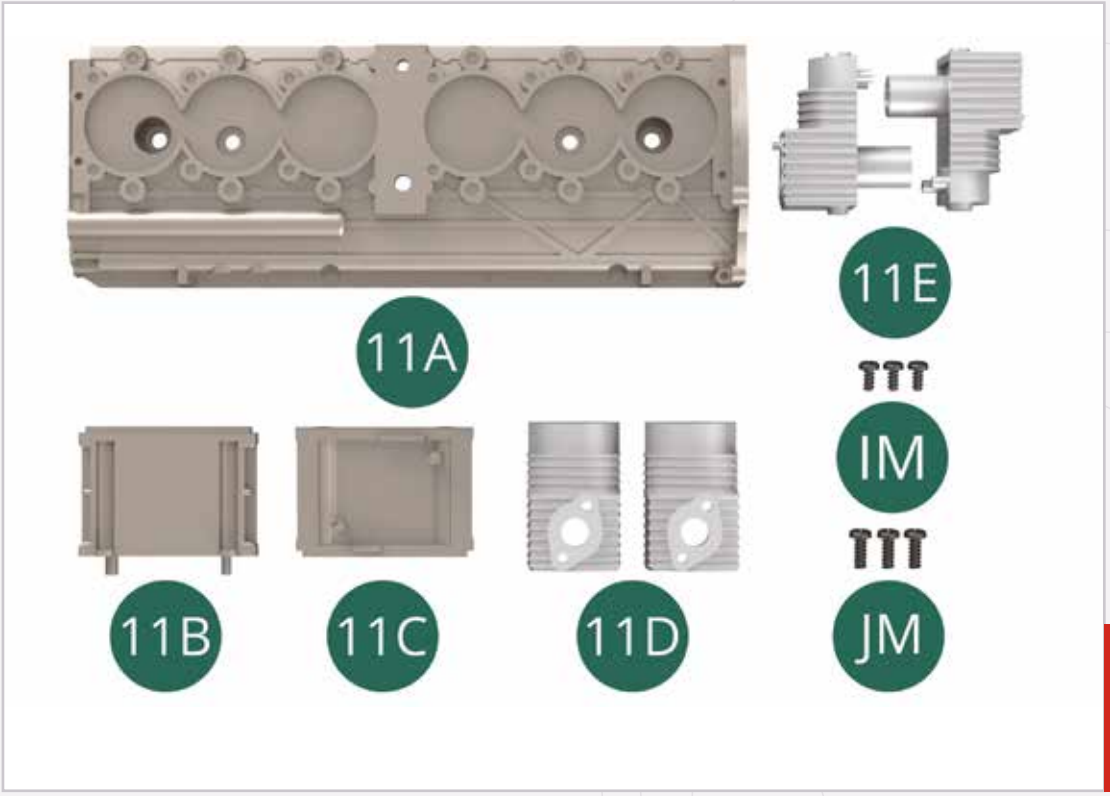
11C Camshaft drive cover

11D Cylinder upper part (x2)

11E Cylinder lower part (x2)

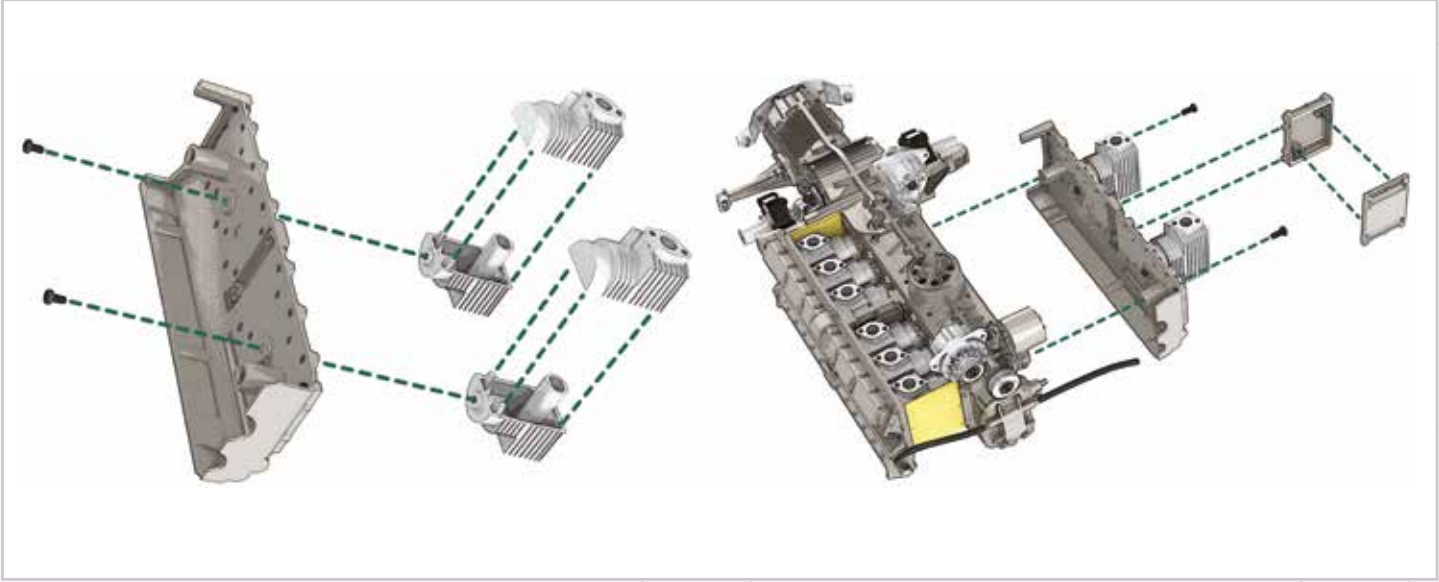
IM M1,7 x3,5mm (x3)

JM M2,0 x5mm (x3)



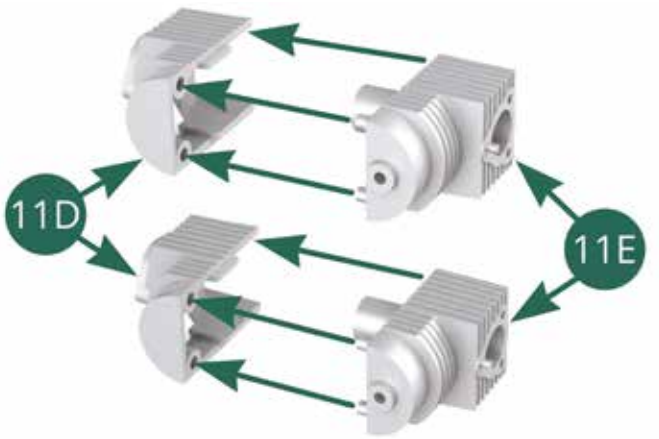
Left Engine block preassembly and installation on the engine

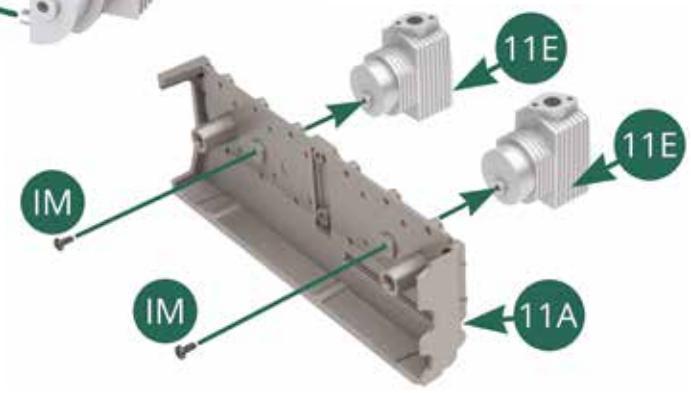
Assembly diagram



STEP 1

Fit together 11D Cylinder upper and 11E Cylinder lower parts forming two preassembled Cylinders.

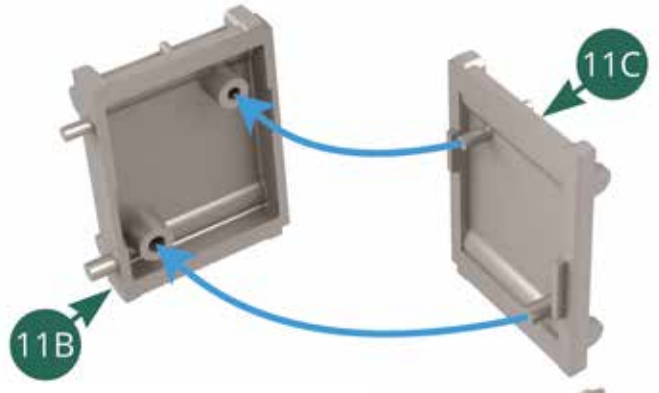


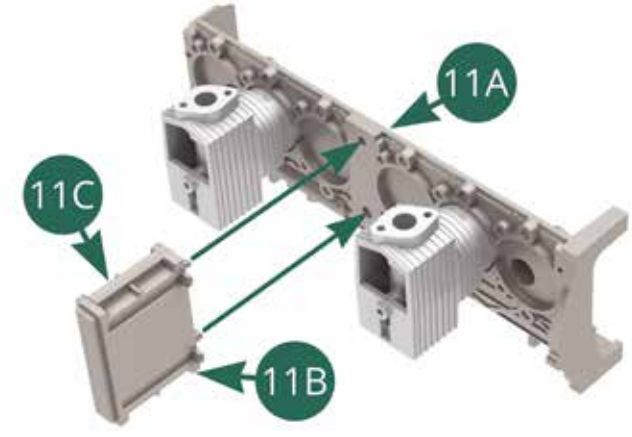


Fit two preassembled Cylinders by ther 11E Lower parts to 11A Left Engine Block wall and fix with two IM screws.

STEP 2

Fit 11C Camshaft drive cover to 11B Camshaft drive housing.

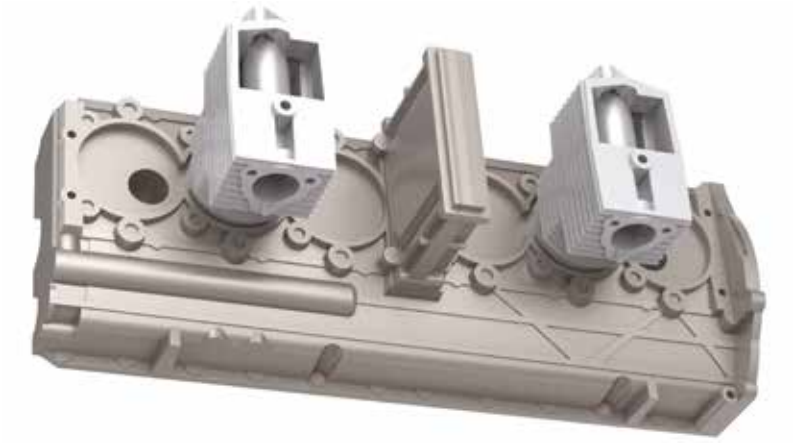




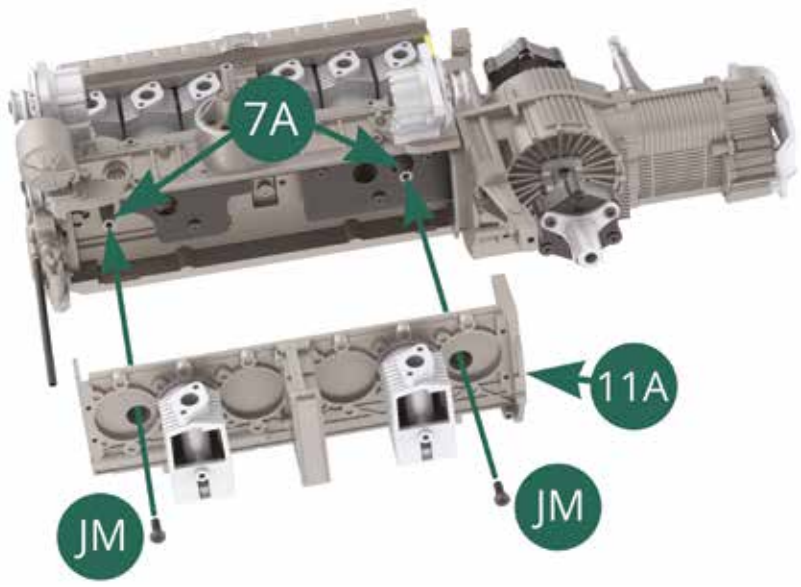
Fit 11B Camshaft drive housing to 11A Left engine block on its two pins.

STEP 3

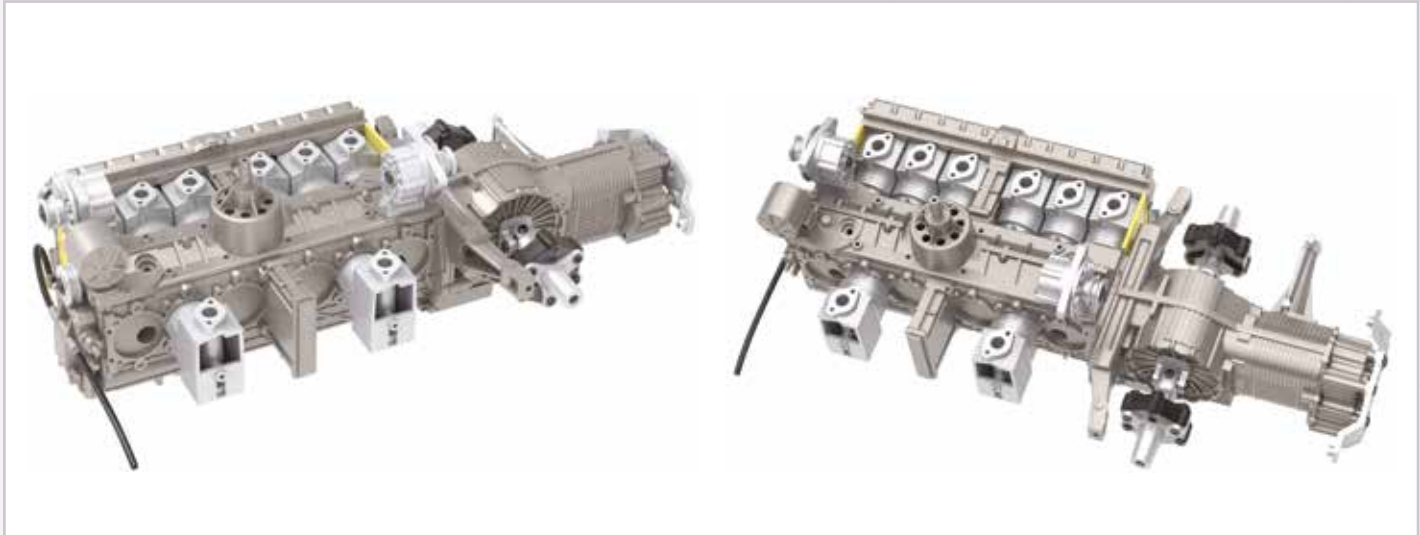
Preassembled Left Engine block



Fit 11A Left Engine block to 7A Right Engine block and fix with two JM screws.

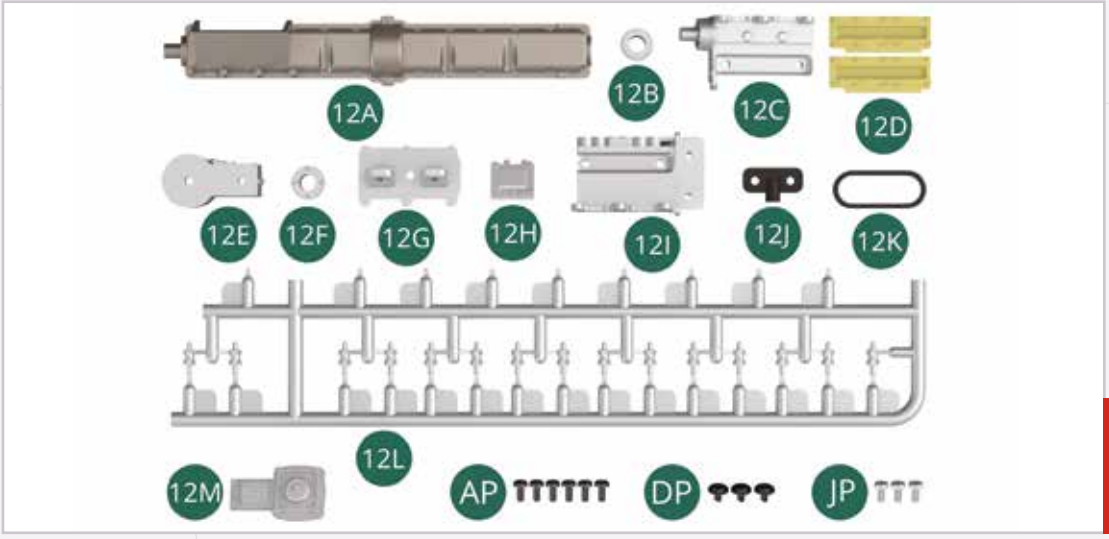


General view



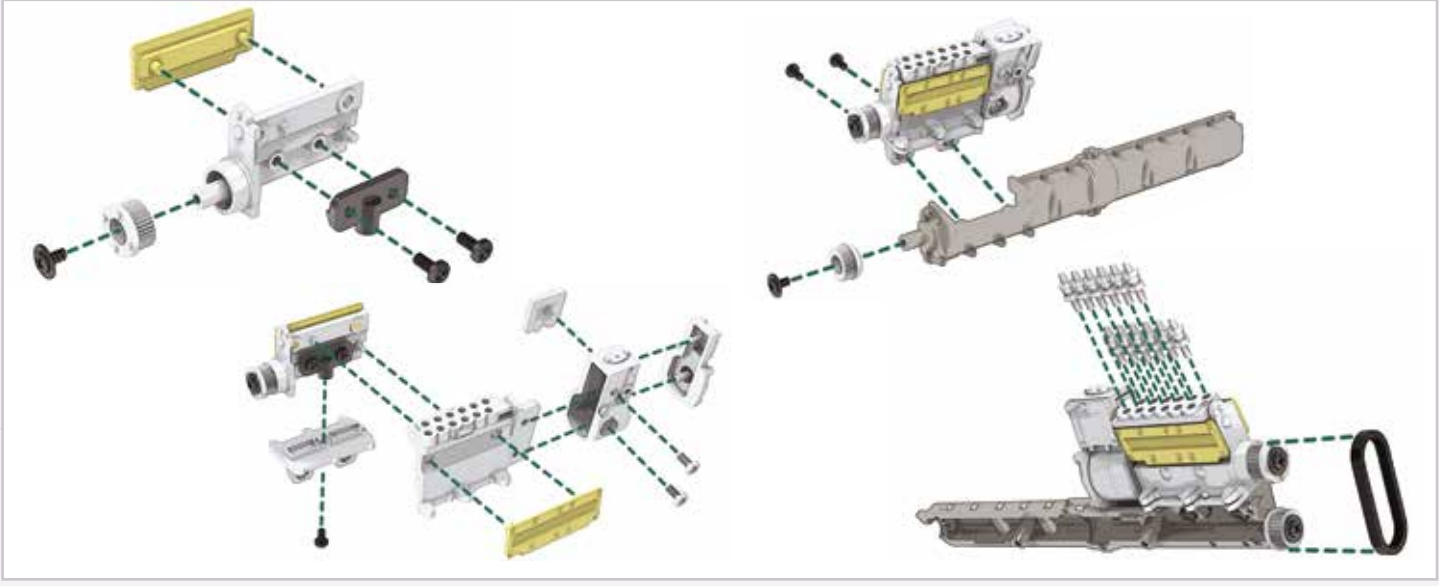
Parts of the issue 12

12A Intake valve cover
12B Master sprocket
12C Bosch injector pump
12D Side cover (x2)
12E Injector end housing
12F Slave sprocket (note four rivets on flange)
12G Injector base
12H Service hatch
12I Injector outer body
12J Connector
12K Toothed belt
12L Gas injector nozzles fret (x15)
12M End housing cover
AP M1,7 x4mm (x6)
DP M1,7 x3x5mm (x3)
JP M1,7 x4mm (x3, silver)



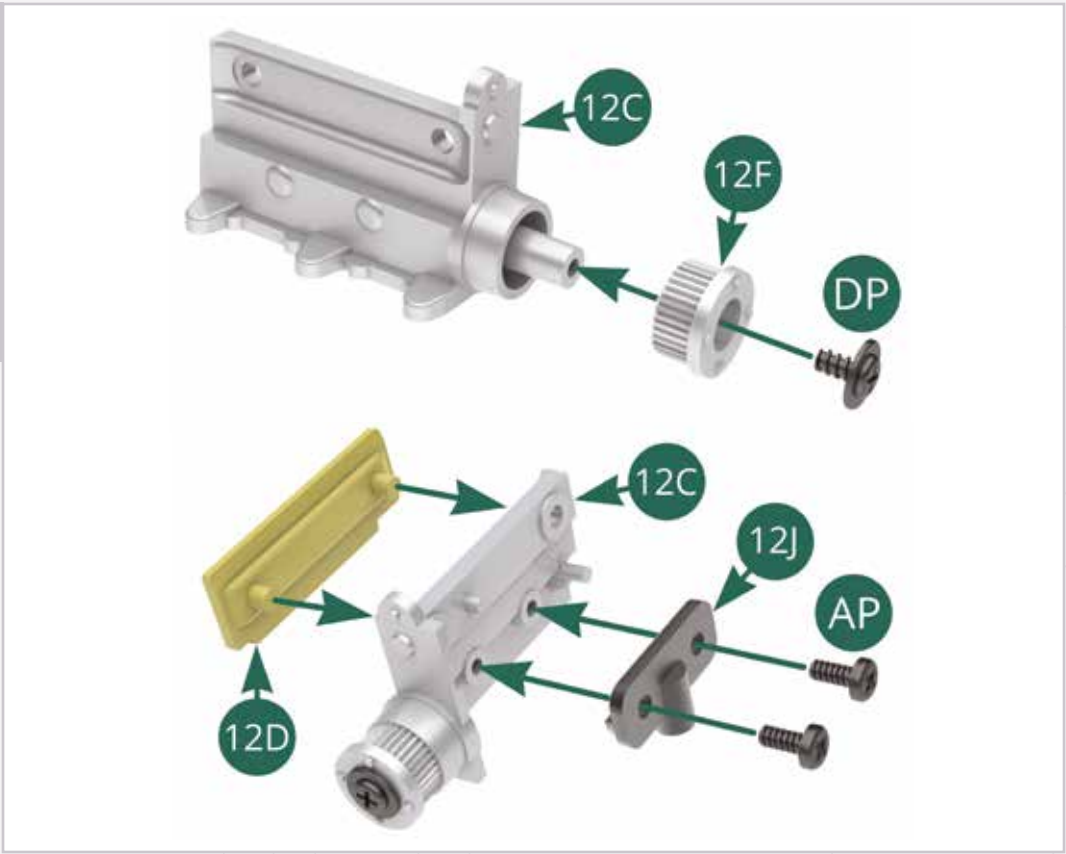
Gas Booster and its drive assembly and mounting

Assembly diagram



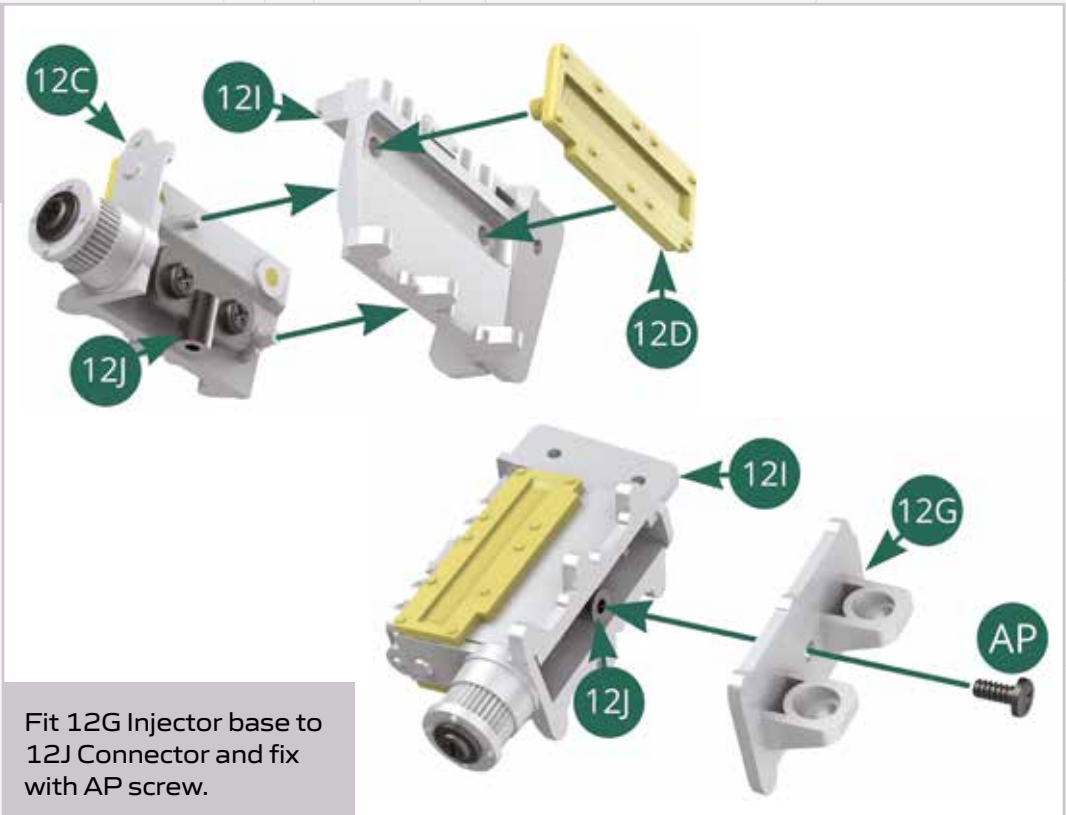
STEP 1

Fit 12F Slave sprocket on 12C Bosch injector pump axle and fix with DP screw.
Fit 12J Connector to 12C Bosch injector pump and fix with two AP screws. Fit 12D Side cover to 12C Bosch injector pump.



STEP 2

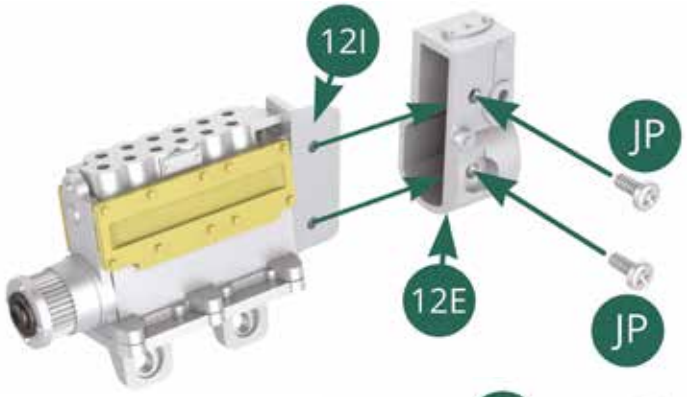
Fit 12I Injector outer body to 12C Bosch injector pump.
Fit 12D Side cover to 12I Injector outer body.



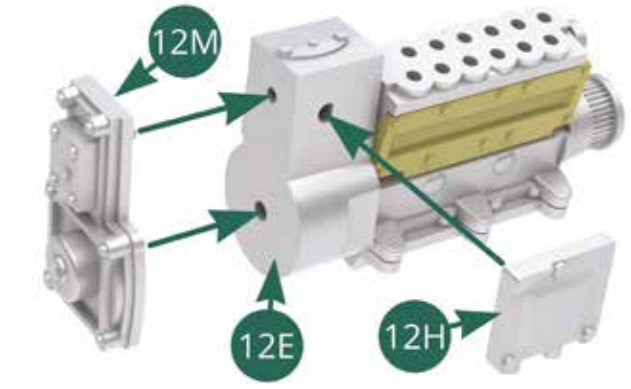
Fit 12G Injector base to 12J Connector and fix with AP screw.

STEP 3

Fit 12E Injector end housing to 12I Injector outer body and fix with two silver color JP screws.

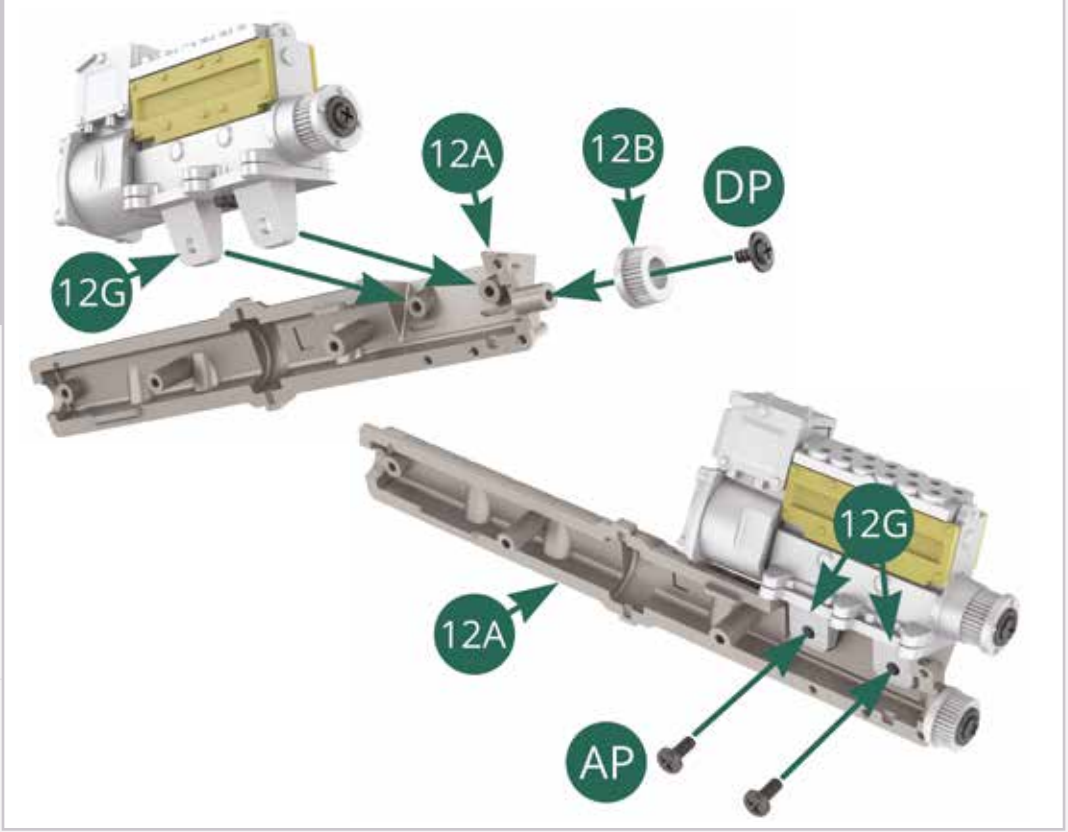


Fit 12M End housing cover and 12H Service hatch to 12E Injector end housing.



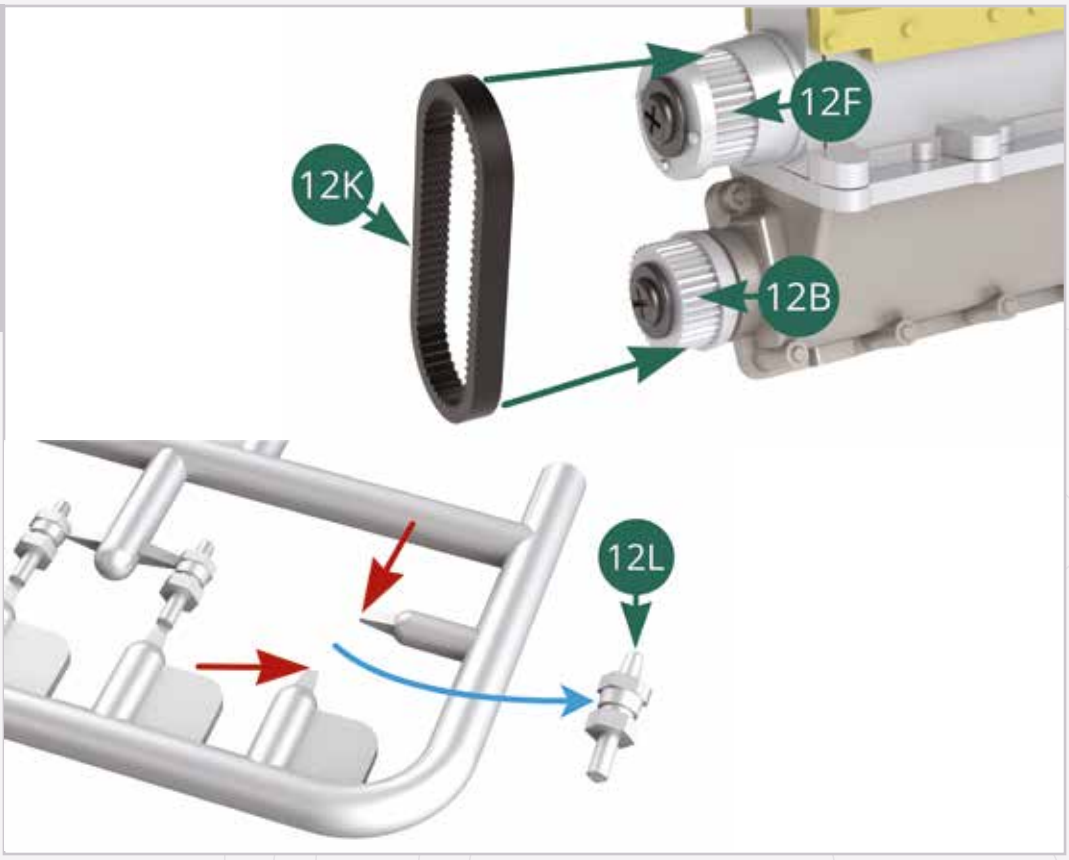
STEP 4

Fit 12B Master sprocket to 12A Intake valve cover axle and fix with DP screw. Fit 12G Injector base to 12A Intake valve cover and fix with two AP screws (upper and lower illustrations).



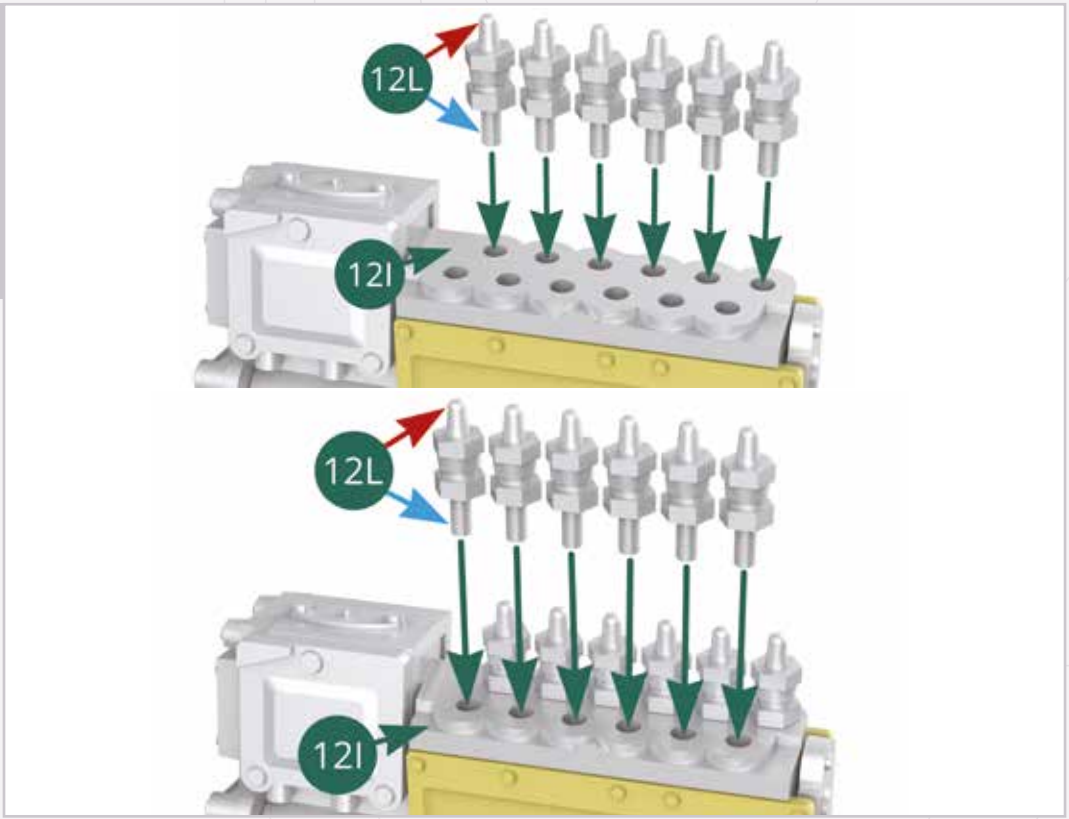
STEP 5

Fit 12K Toothed belt over 12F Slave and 12B Master sprockets. Prepare twelve 12L Gas injector nozzles for installation by nipping them off (red arrows) 12L Gas injector nozzles fret.

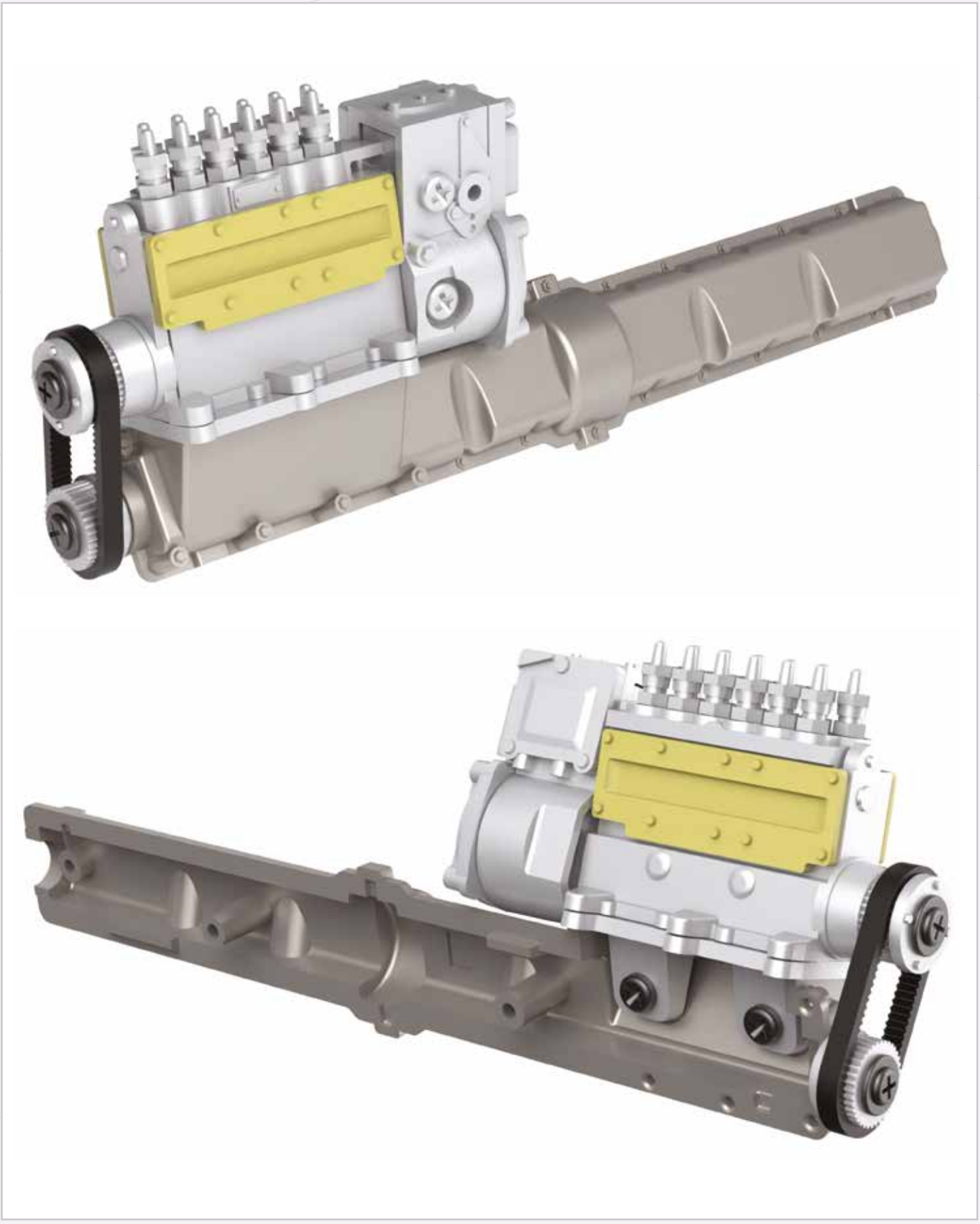


STEP 6

One by one, fit first, and then second row of six 12L Gas injector nozzles to 12I Injector outer body (note upper and lower shapeof the nozzles pointed by red and blue arrows).

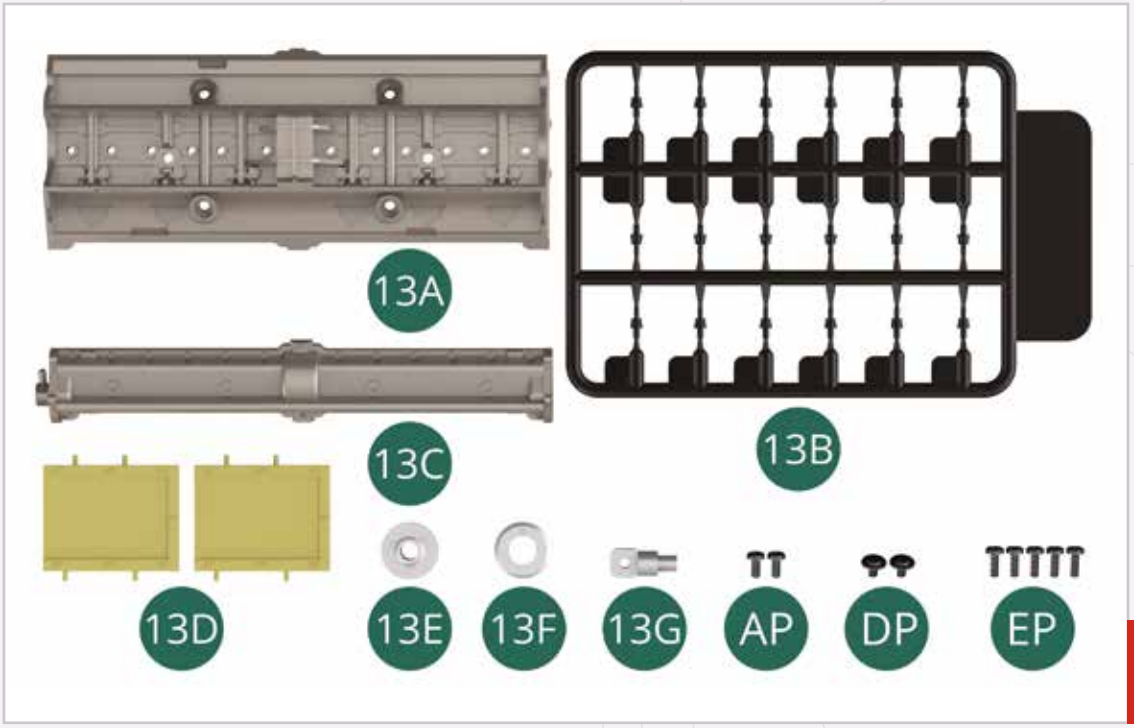


General view



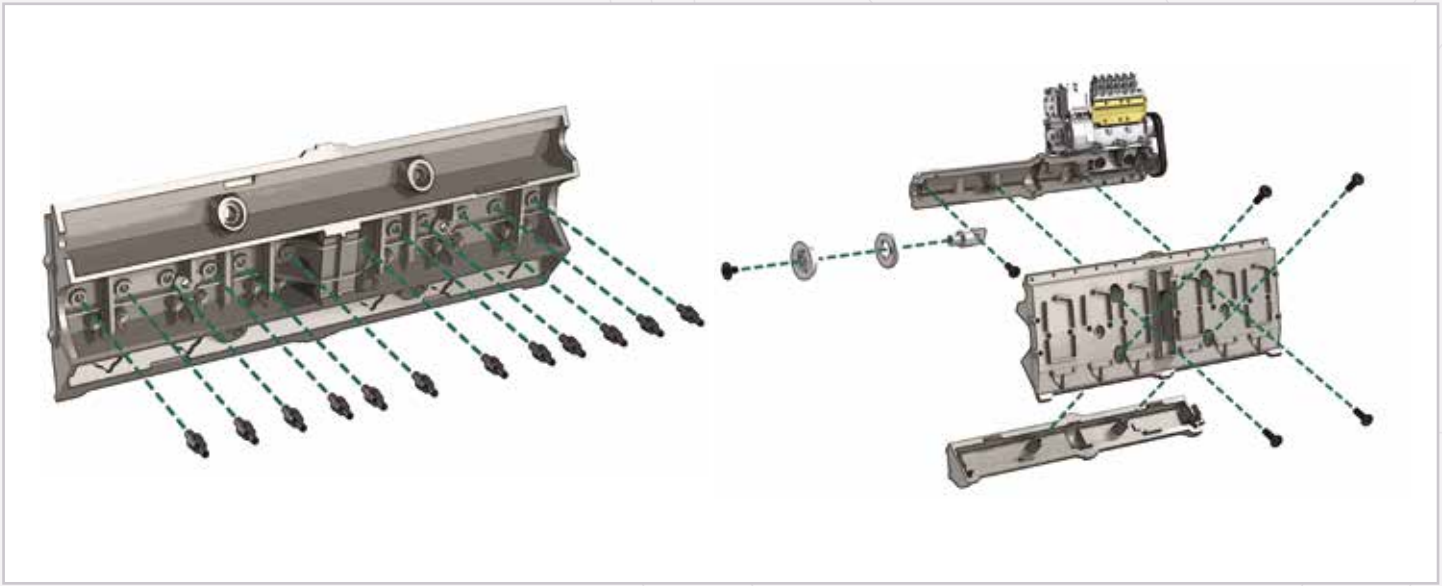
Parts of the issue 13

13A Left Cylinder head
13B Spark plug (x12 plus x6 extra)
13C Exhaust valve cover
13D Partition (x2)
13E Outer sheave
13F Inner sheave
13G Valve axle
AP M1,7 x4mm (x2)
DP M1,7 x3x5mm (x2)
EP M1,7 x5mm (x5)



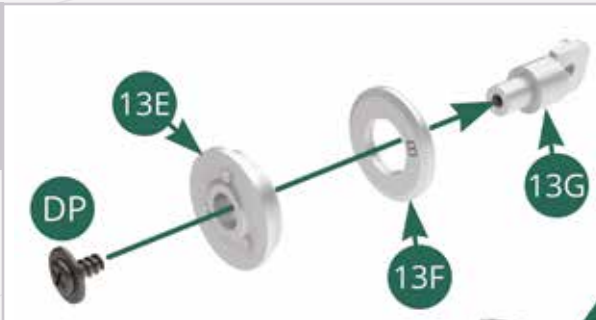
Left Cylinder head assembly

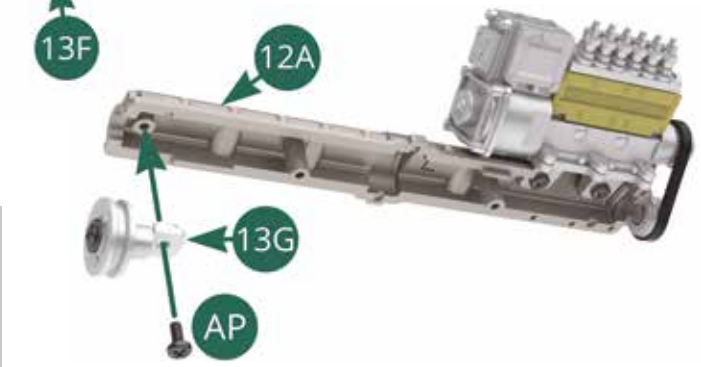
Assembly diagram



STEP 1

Fit 13F Inner and 13E Outer sheaves on 13G Valve axle and fix with DP screw.

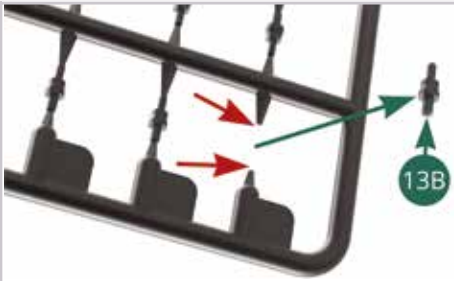


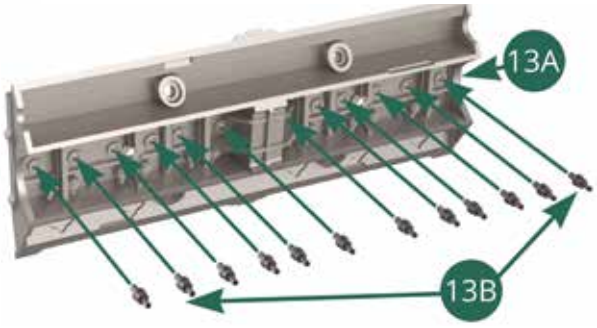


Fit 13G Valve axle to inner wall of 12A Intake valve cover and fix with AP screw.

STEP 2

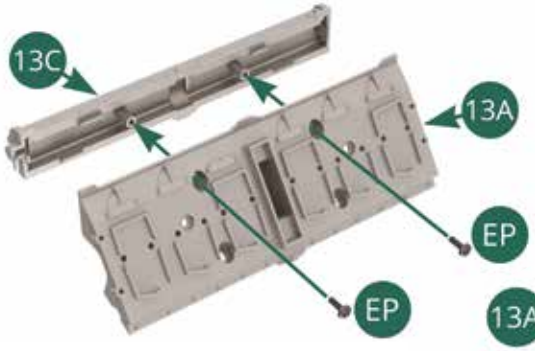
Using precision nippers and tweezers, one by one, nip off twelve 13B Spark plugs and fit to 13A Left Cylinder head (upper and lower illustrations).

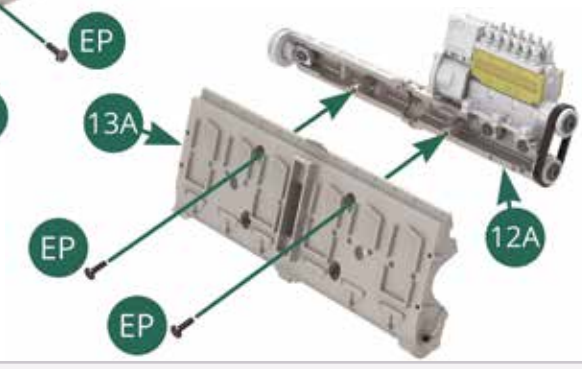




STEP 3

Fit 13C Exhaust valve cover to 13A Left cylinder head and fix with two EP screws.

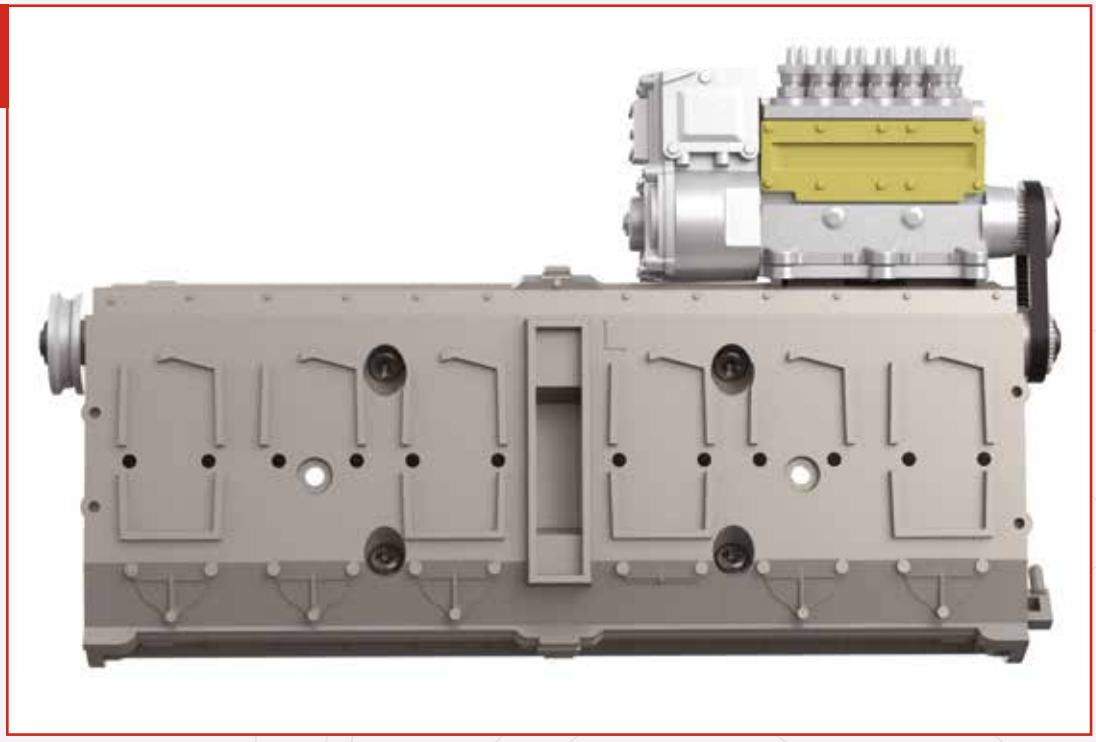




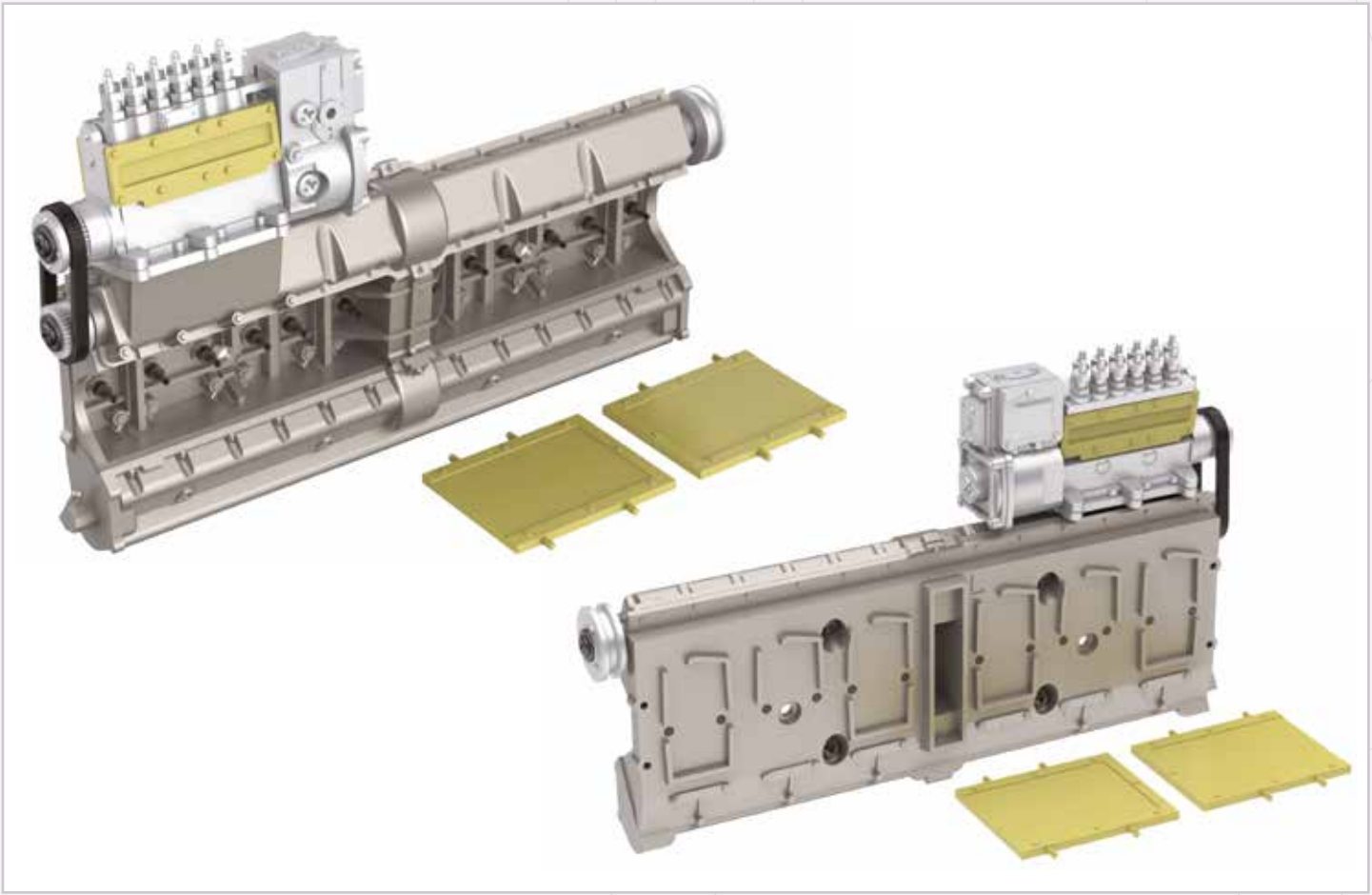
Fit 12A Intake valve cover to 13A Left cylinder head and fix with two EP screws.

STEP 4

Preassembled Left cylinder head



General view



Parts of the issue 14

14A Air cooling chamber top

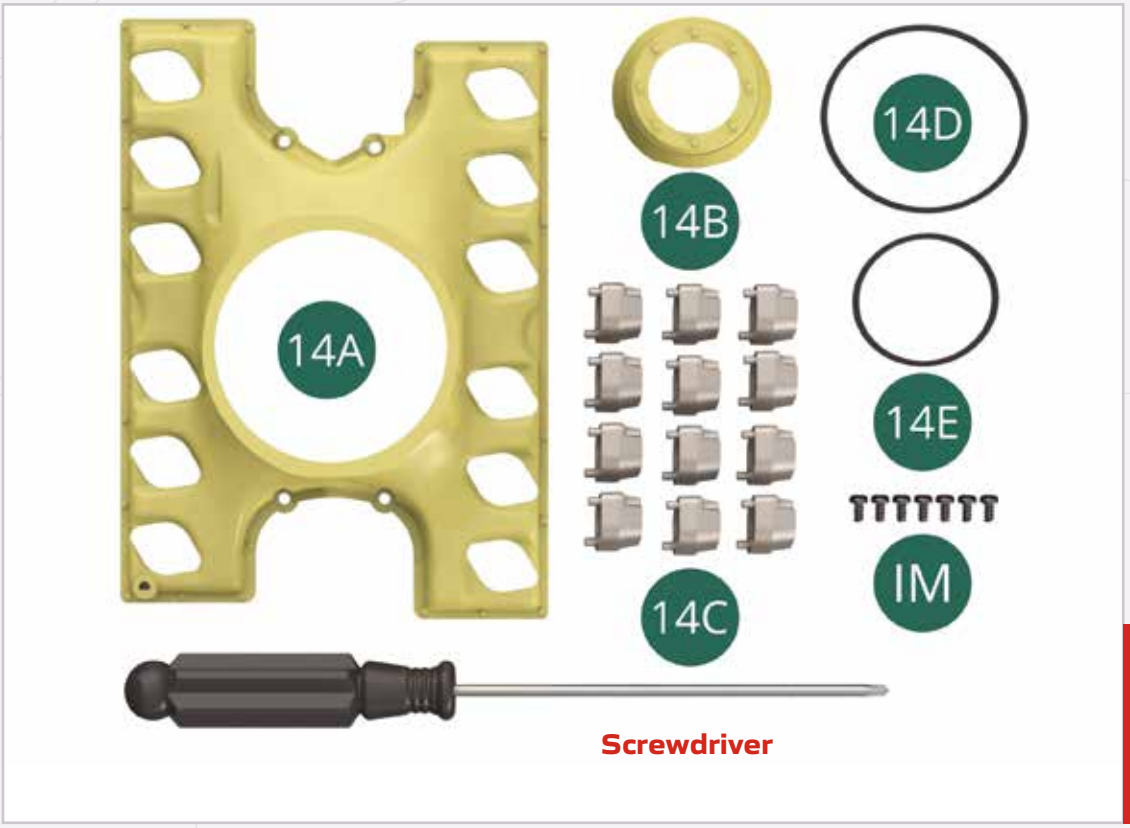
14B Top air flow guide

14C Air intake mount (x12)

14D Generator bigger belt

14E Generator smaller belt

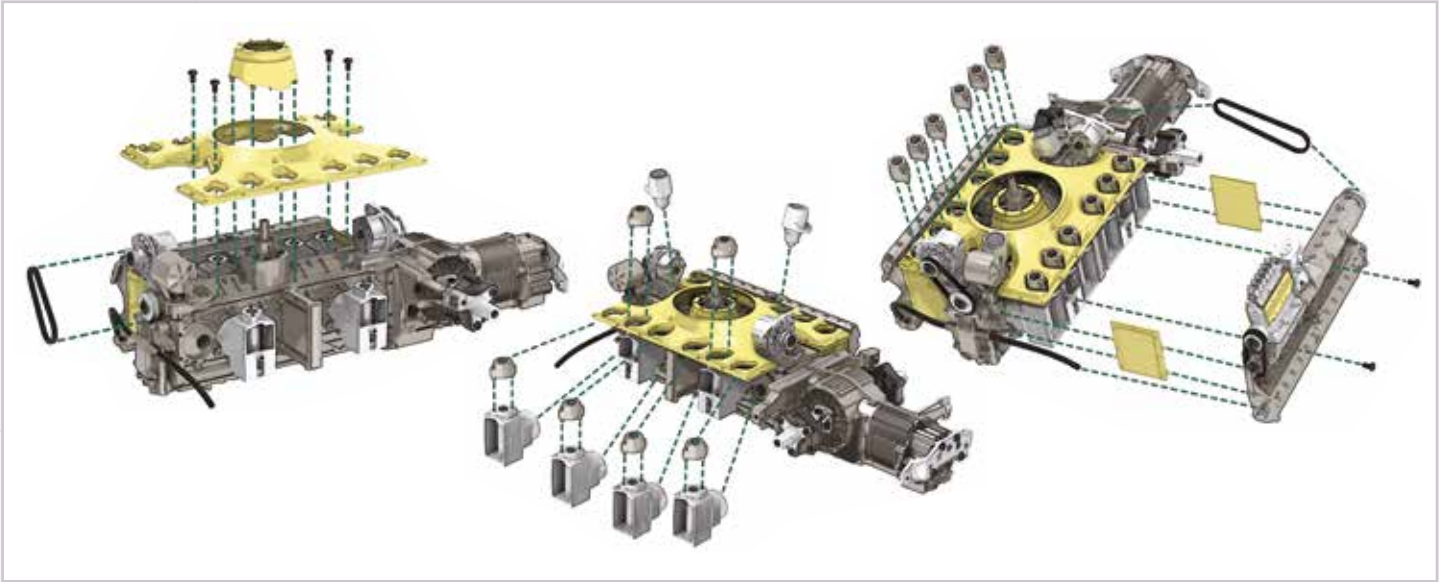
IM M1,7 x3,5mm (x7)



Screwdriver

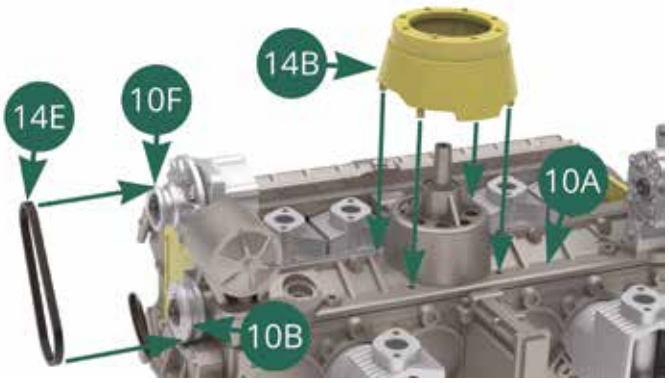
Air cooling chamber top, generators belts and Left cylinder head installation on engine

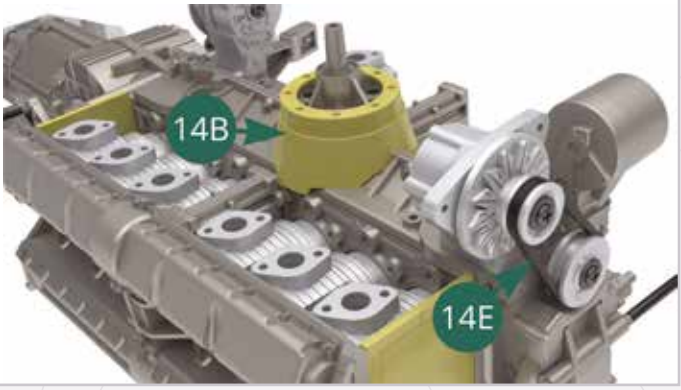
Assembly diagram



STEP 1

Fit 14B Top air flow guide to 10A Crankcase top panel.

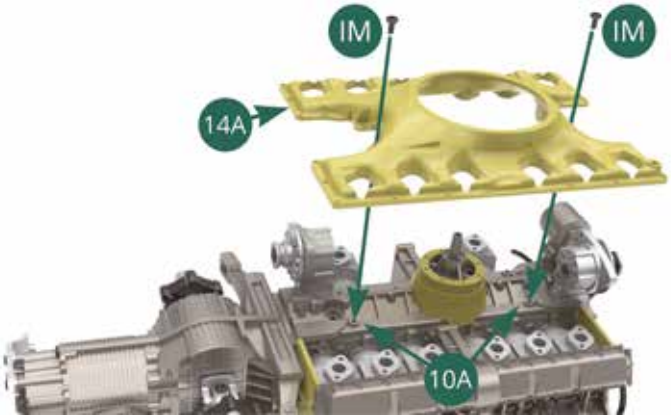


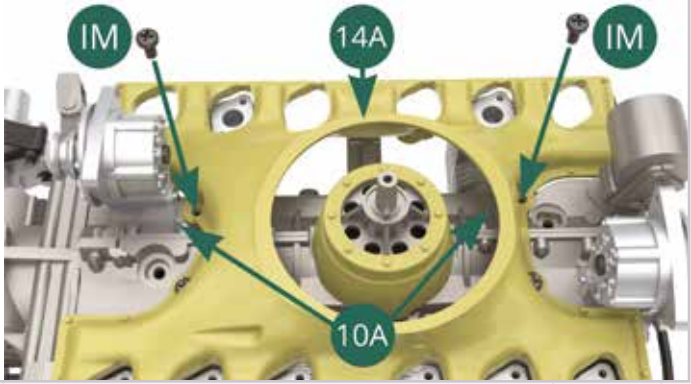


Fit 14E Generator smaller belt to 10F and 10B Sheaves (top and bottom illustrations).

STEP 2

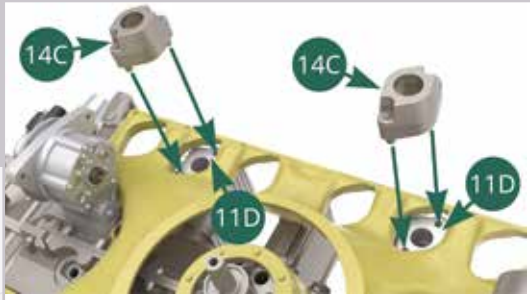
Fit 14A Air cooling chamber top to 10A Crankcase top panel and fix with two IM screws (top illustration) and then two more IM screws (bottom illustration).





STEP 3

Fit two 14C Air intake mounts to 11D Cylinder upper parts on the left side of engine.

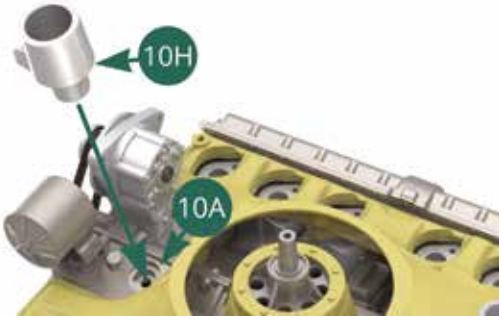


Fit one 10H Distributor base to 10A Crankcase top panel.

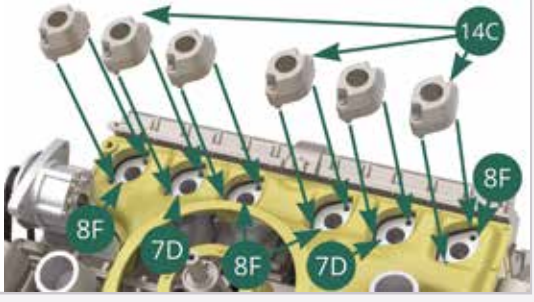


STEP 4

Fit one more 10H Distributor base to 10A Crankcase top panel.



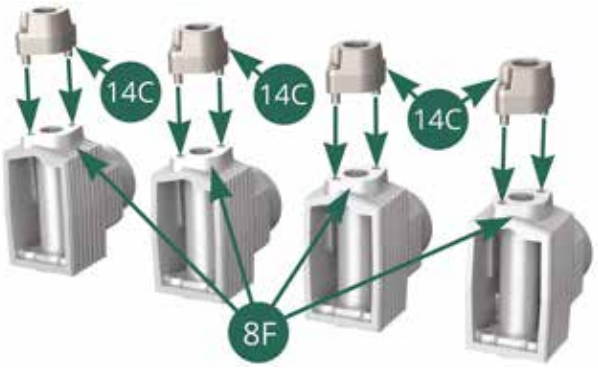
Fit six 14C Air intake mounts to four 8F and two 7D Cylinder upper parts on the right side of engine.



STEP 5

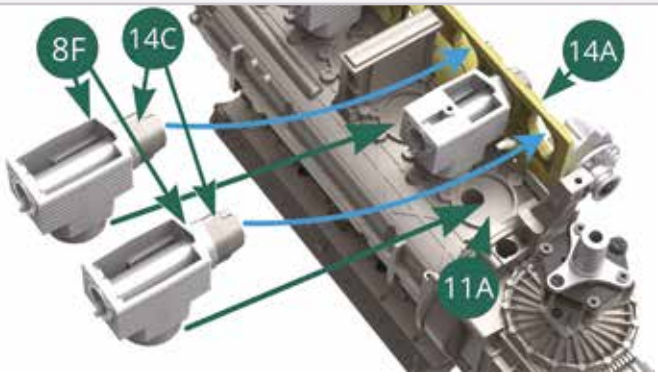
Six Air intake mounts are installed on the right side of engine

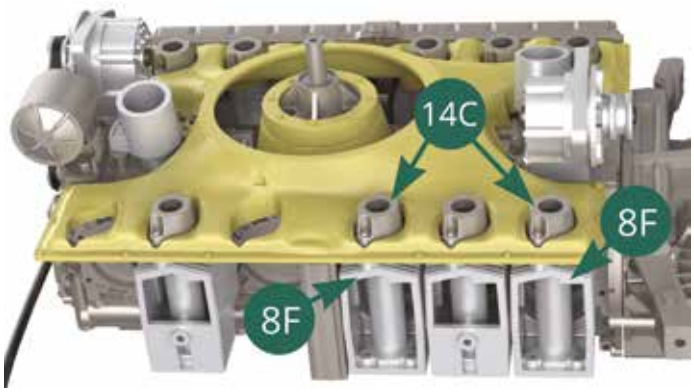




Fit four 14C Air intake mounts to four preassembled 8F Cylinder upper parts.

STEP 6

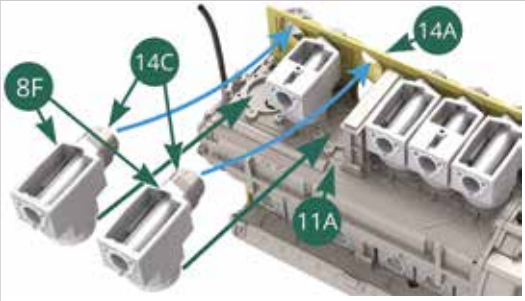




Fit two 8F Cylinder upper parts to 11A Left engine block with two 14C Air intake mounts passing through openings in 14A Air cooling chamber top as blue arrows point (upper and lower illustrations).

STEP 7

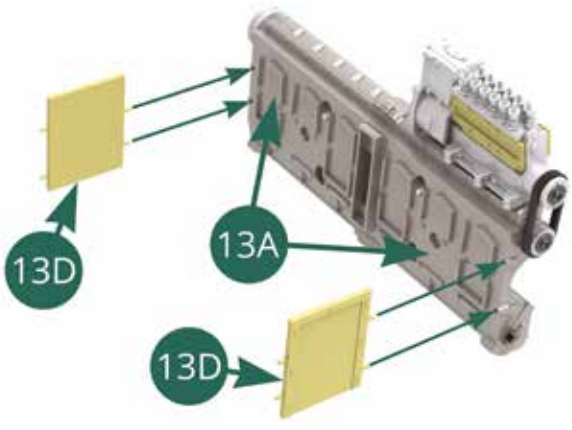
Fit two more 8F Cylinder upper parts to 11A Left engine block with two 14C Air intake mounts passing through openings in 14A Air cooling chamber top as blue arrows point (upper and lower illustrations).





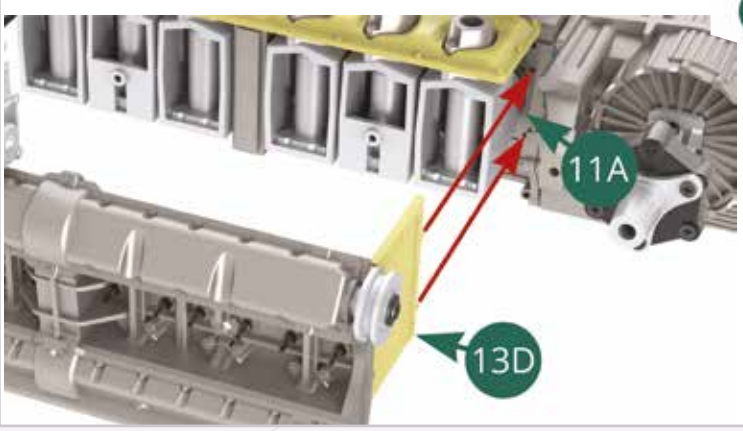
STEP 8

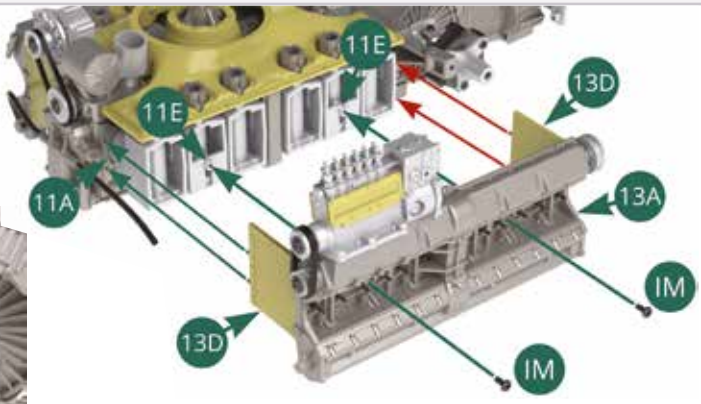
Fit two 13D Partitions (please note the riveted side outward orientation) to 13A Left cylinder head wall.



STEP 9

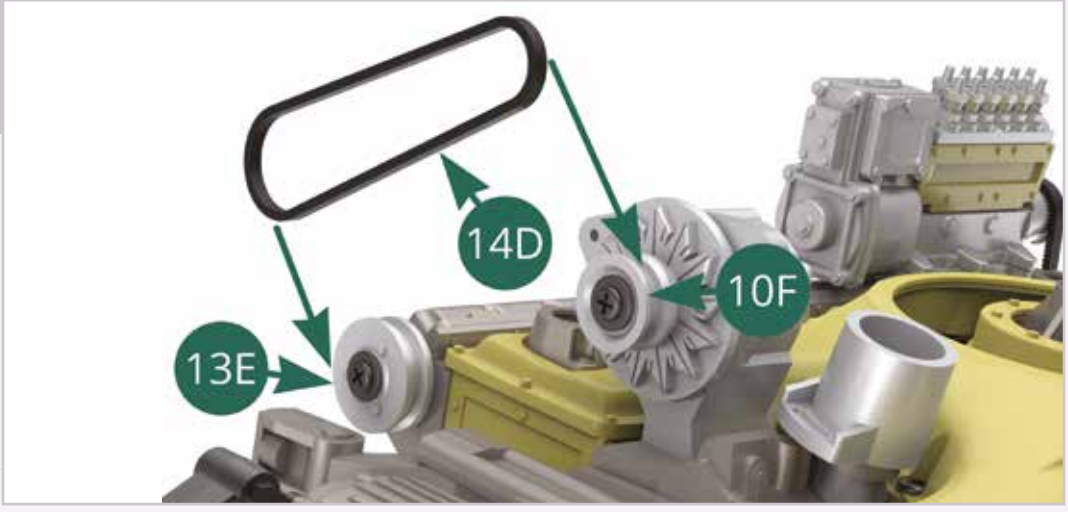
Fit 13A Left cylinder head to 11E Cylinder lower parts, taking care to fit two 13D Partitions to 11A Left engine block, and fix with two IM screws (top and bottom illustrations).



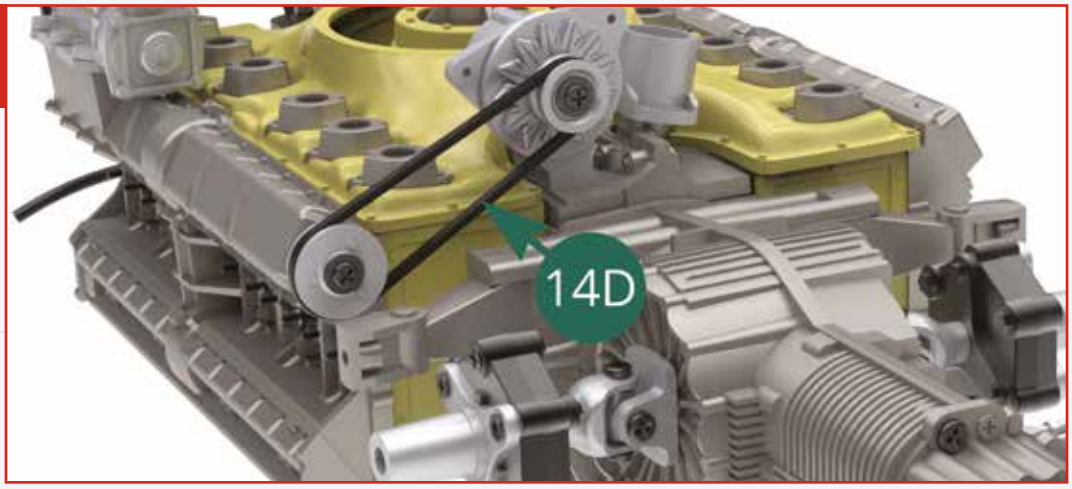


STEP 10

Fit 14D Generator bigger belt to 10F and 13E Sheaves.

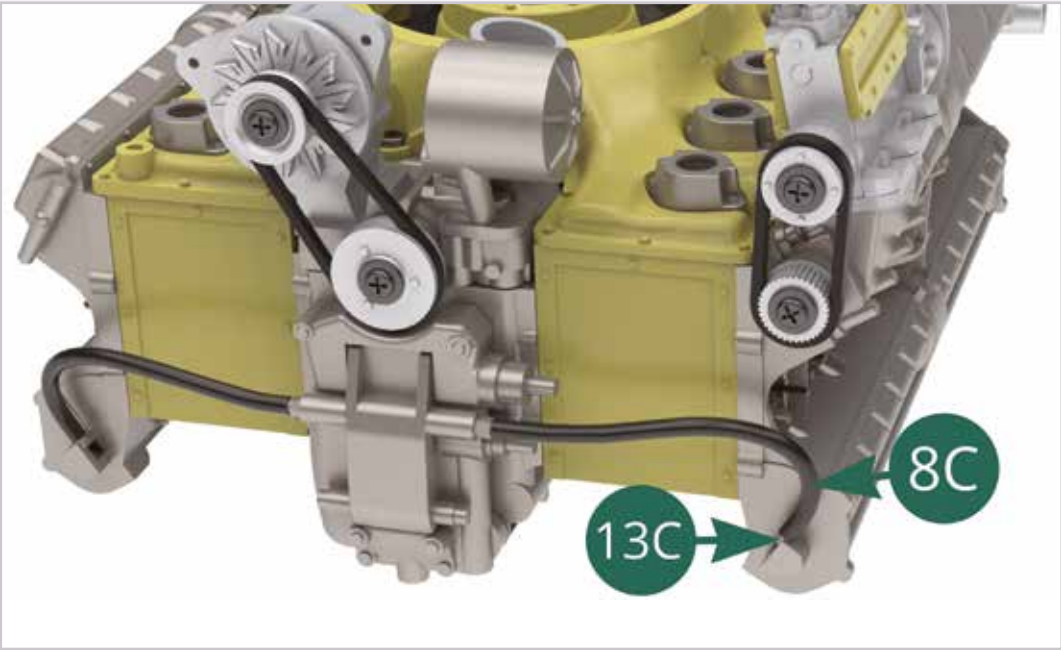


14D Generator belt is installed

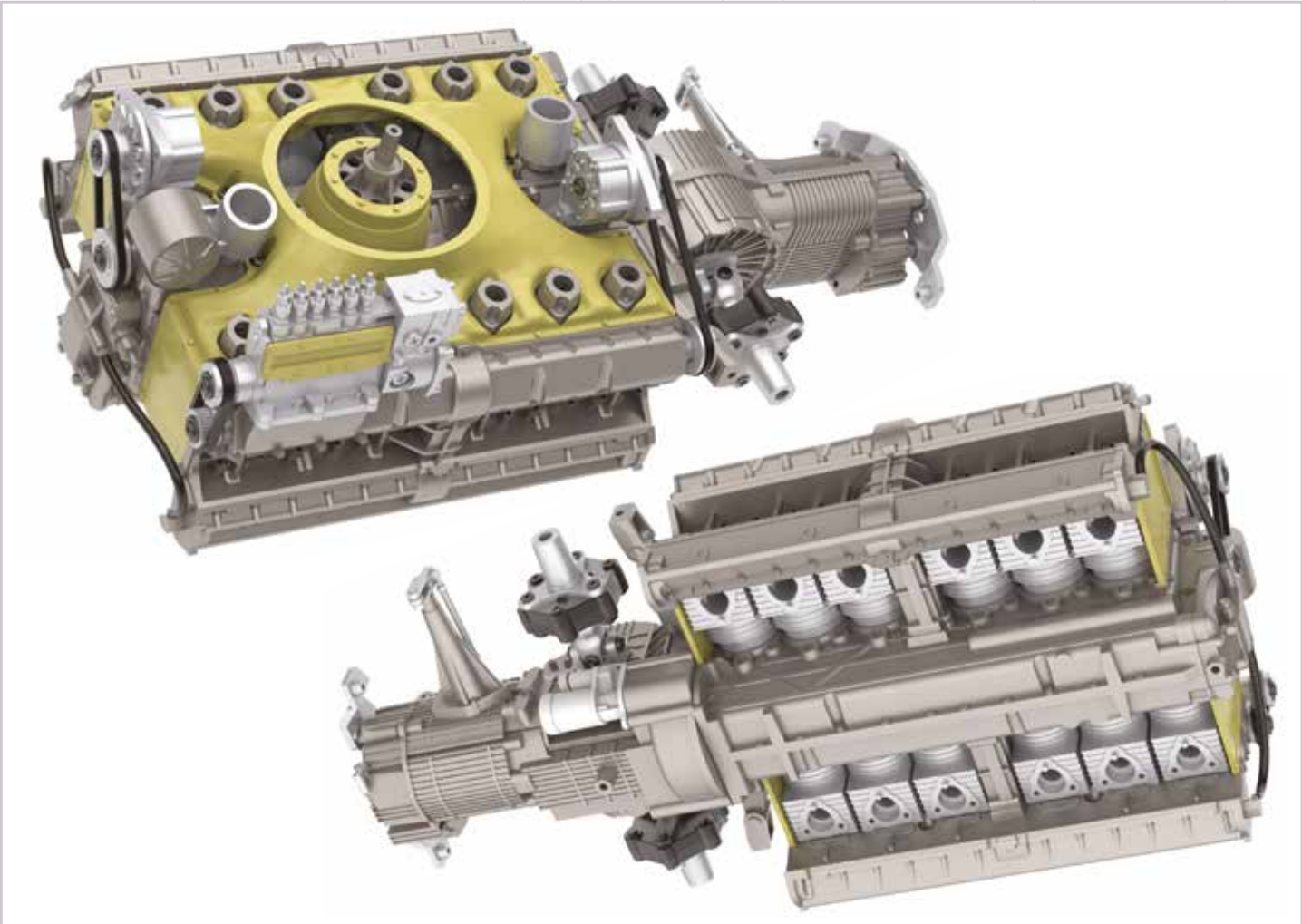


STEP 11

Fit the loose end of 8C Oil hose to the intake peg on 13C Exhaust valve cover end side.



General view



Assembly guide

Parts of the issue 15

15A Intake trumpet base top

15B Intake trumpet base bottom

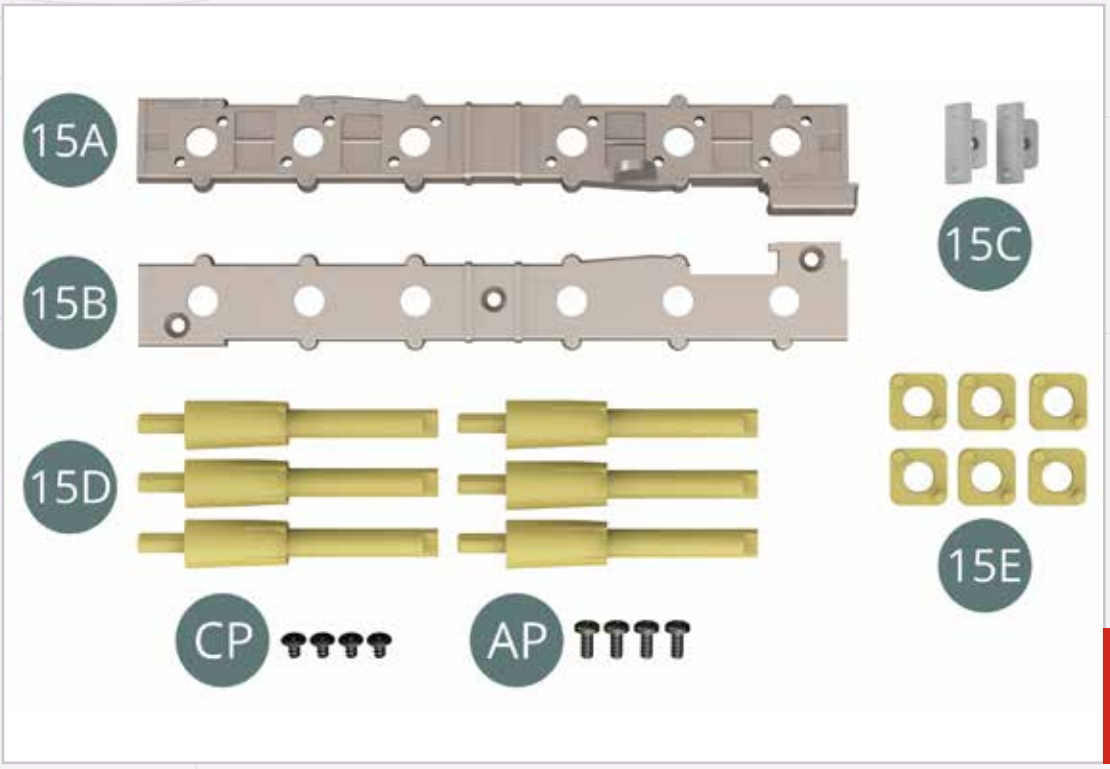
15C End cover (x2)

15D Intake trumpet (x6)

15E Intake trumpet flange (x6)

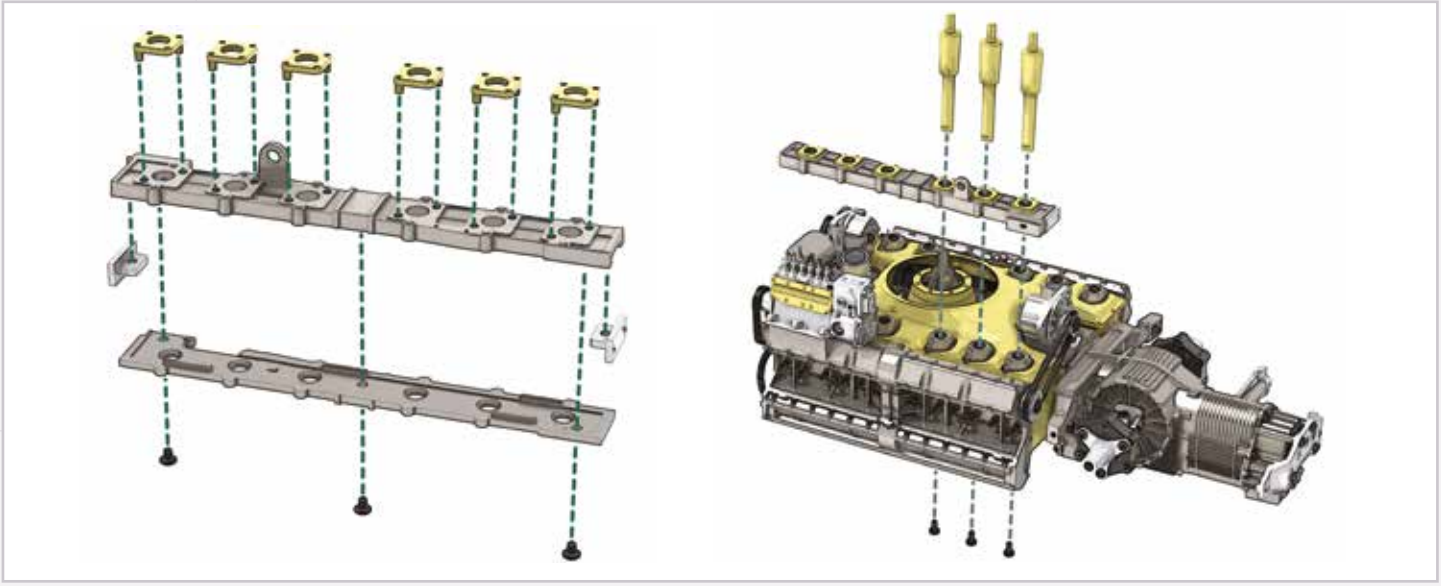
AP M1,7 x4mm (x4)

CP M1,7 x3x3mm (x4, flat head)



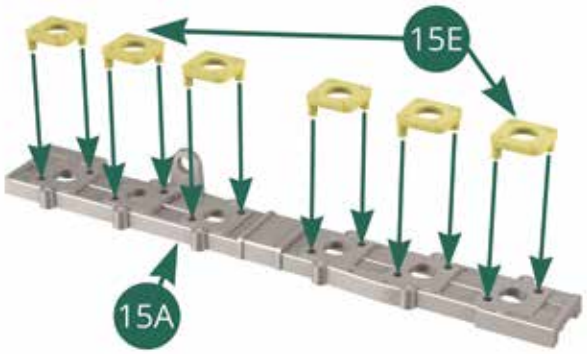
Left side Intake trumpets installation on the engine

Assembly diagram



STEP 1

Fit six 15E Intake trumpet flanges on 15A Intake trumpet base top.

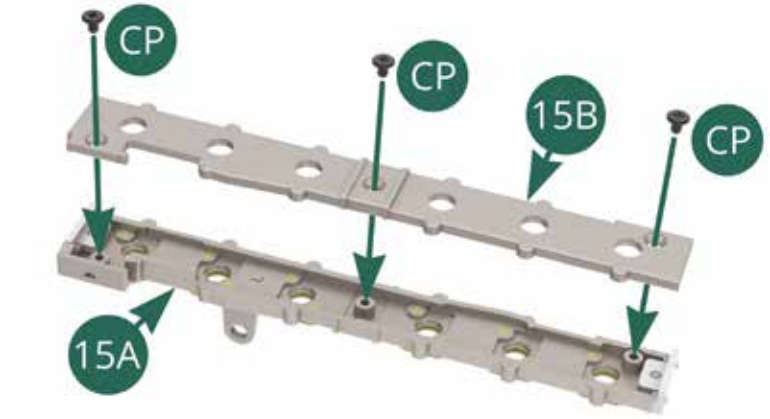




Fit two 15C End covers to 15A Intake trumpet base top.

STEP 2

Fit 15B Intake trumpet base bottom to 15A Intake trumpet base top and fix with three CP screws.

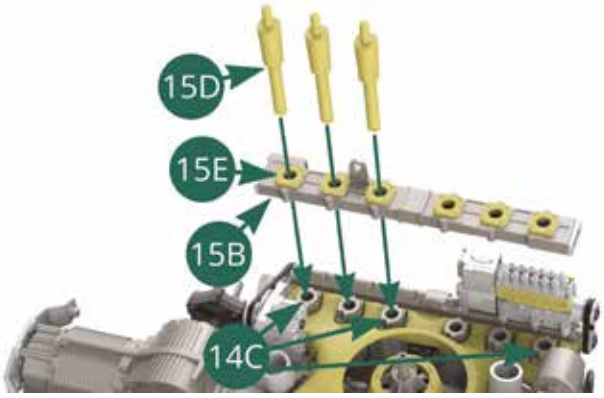


Preassembled Intake trumpet base

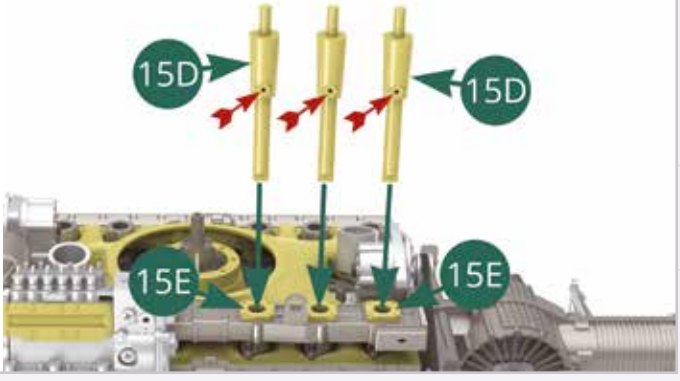


STEP 3

Placing 15B Intake trumpet base on six 14C Air intake mounts, fit three 15D Intake trumpets through three respective 15E Intake trumpet flanges and down into three respective 14C Air intake mounts.

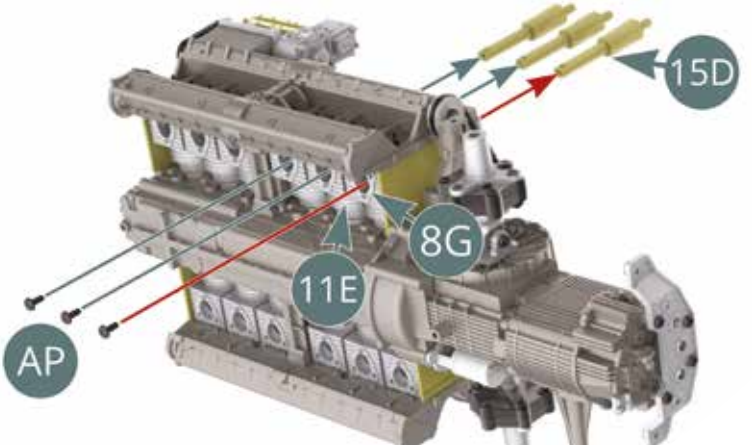


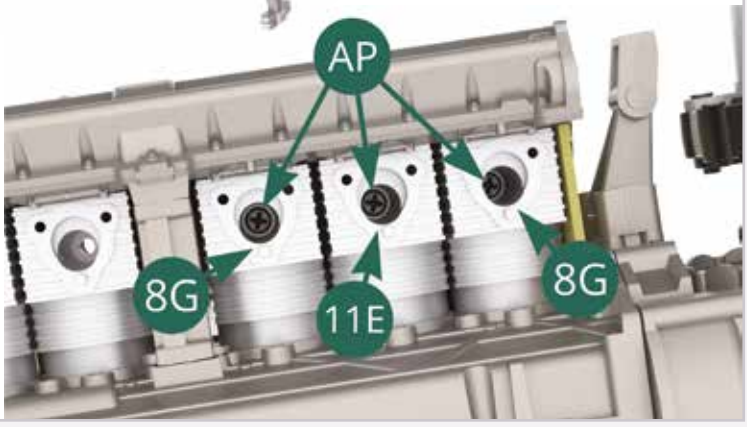
Check the correct orientation towards the outside of the holes on the 15D trumpets (red arrows in the illustrations opposite).



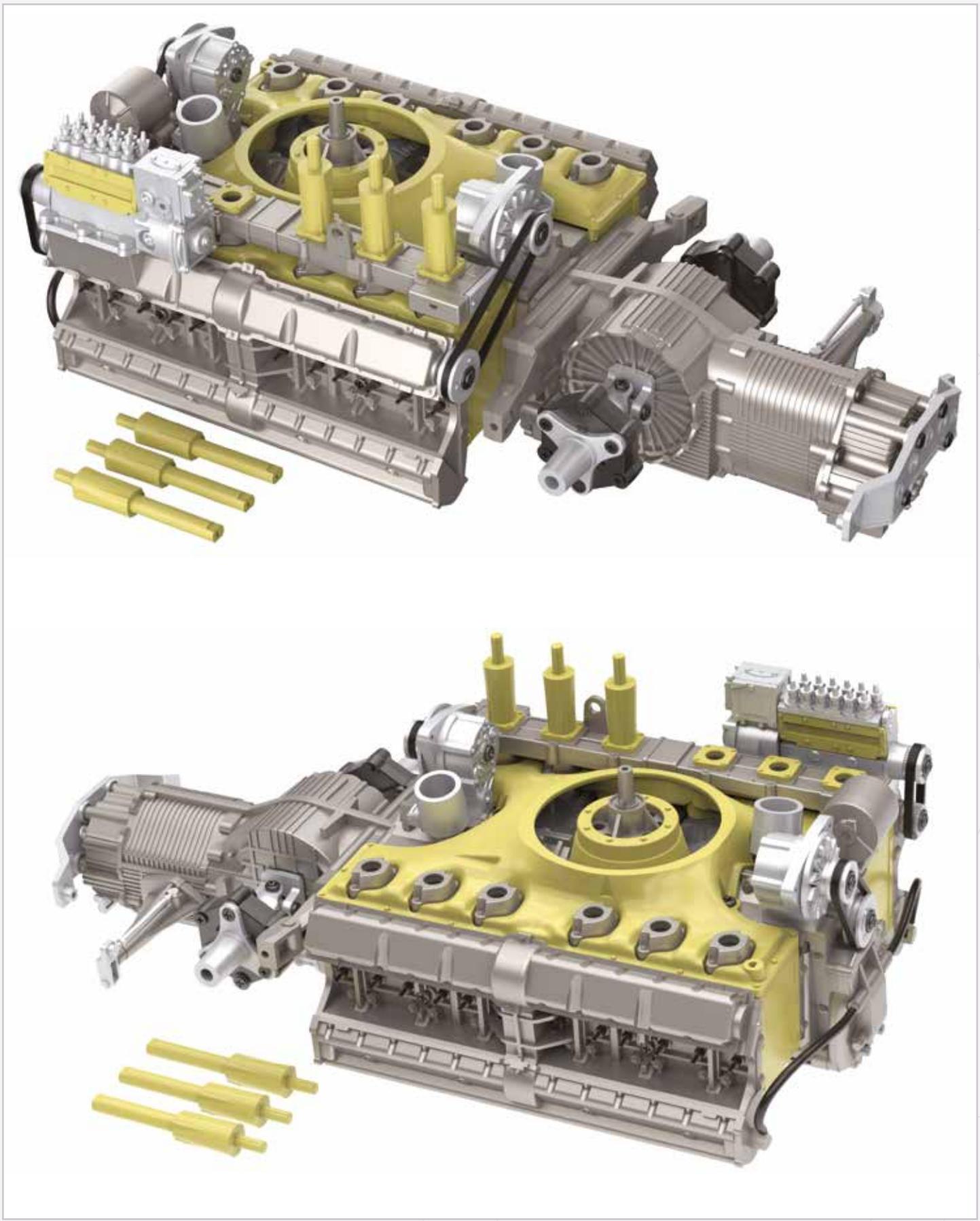
STEP 4

Fix each one of 15D Air intake trumpets to 11E and two 8G Cylinder lower parts, starting with endmost 8G pointed by red arrow, with three AP screws (top and bottom illustrations)





General view



Parts of the issue 16

16A Intake trumpet base top

16B Intake trumpet base bottom

16C End cover (x2)

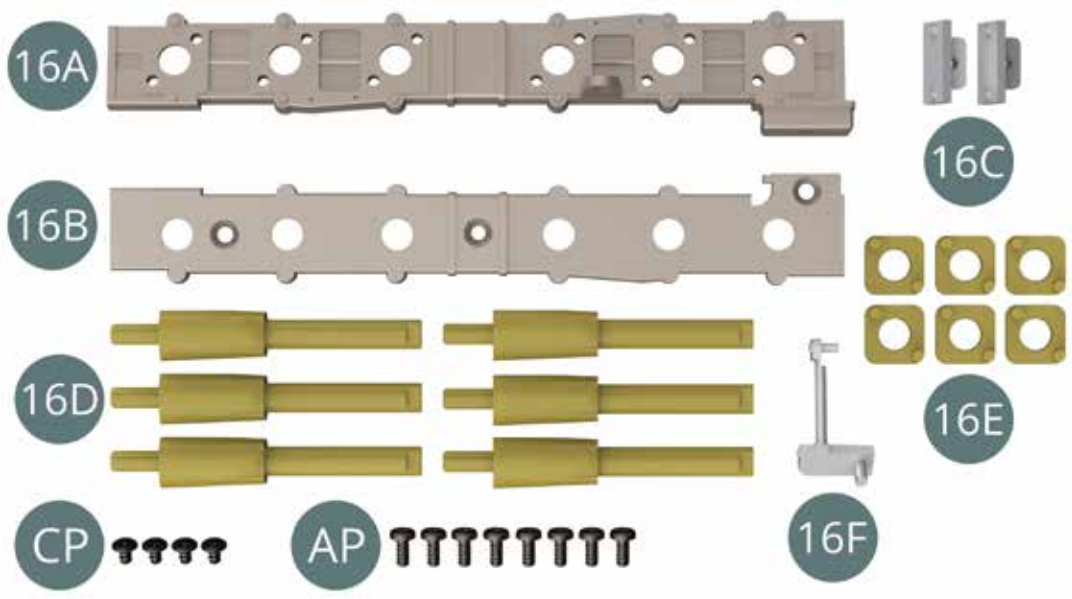
16D Intake trumpet (x6)

16E Intake trumpet flange (x6)

16F Generator strut

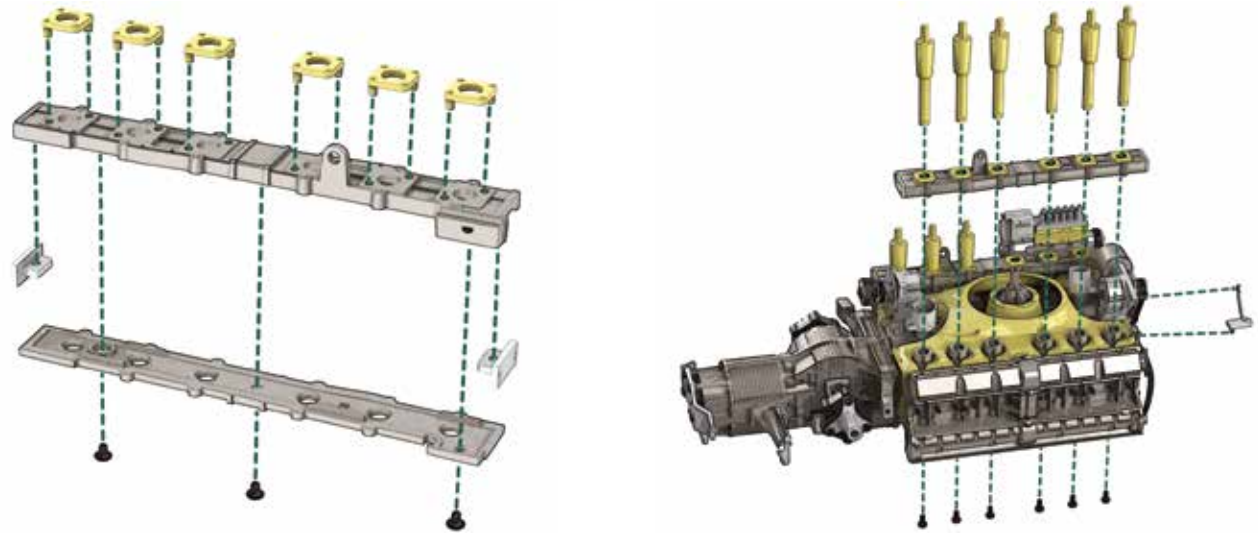
AP M1,7 x4mm (x8)

CP M1,7 x3x3mm (x4, flat head)



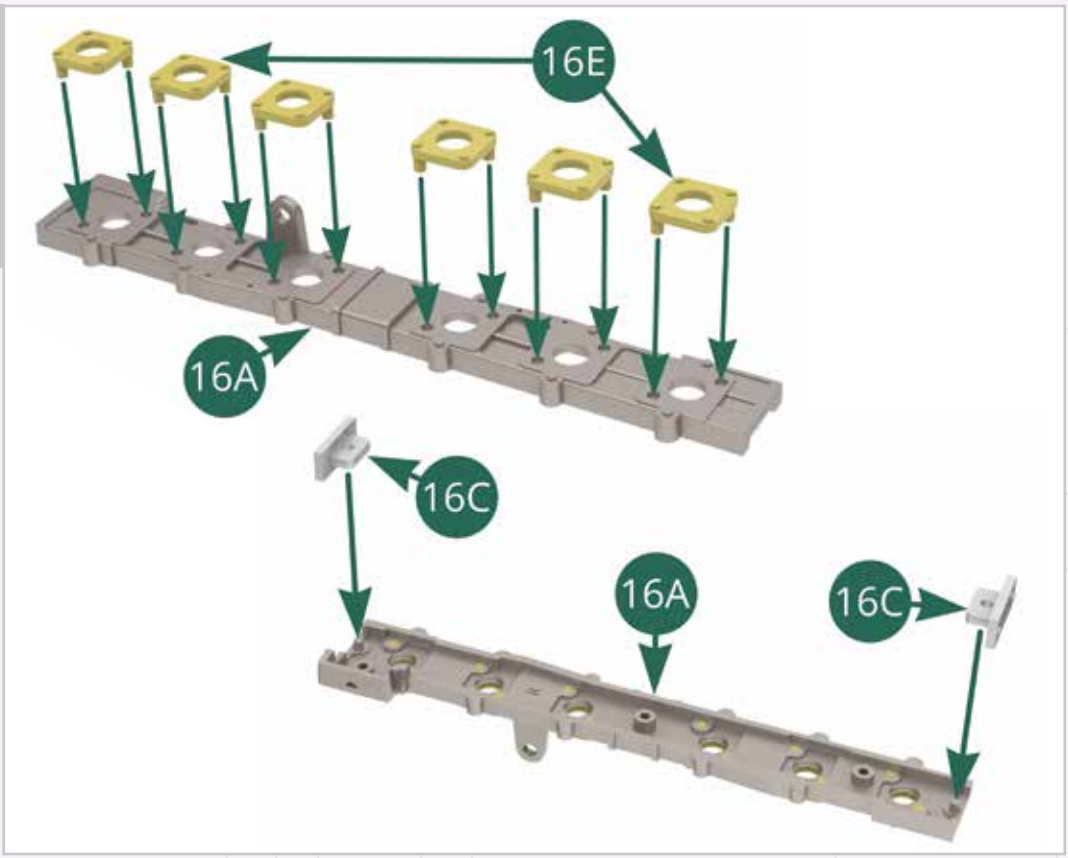
Right side Intake trumpets installation on the engine

Assembly diagram



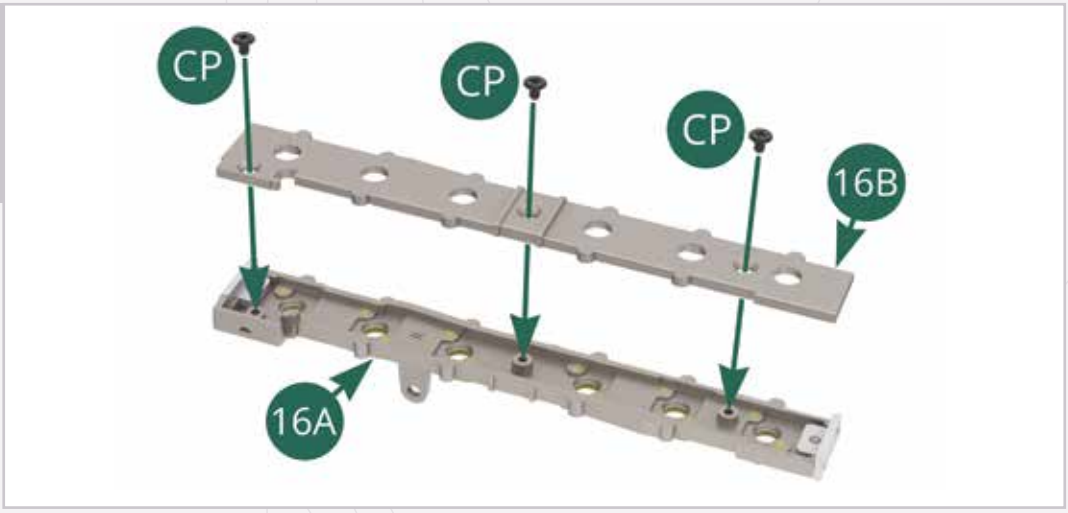
STEP 1

Fit six 16E Intake trumpet flanges on 16A Intake trumpet base top.
Fit two 16C End covers to 16A Intake trumpet base top.

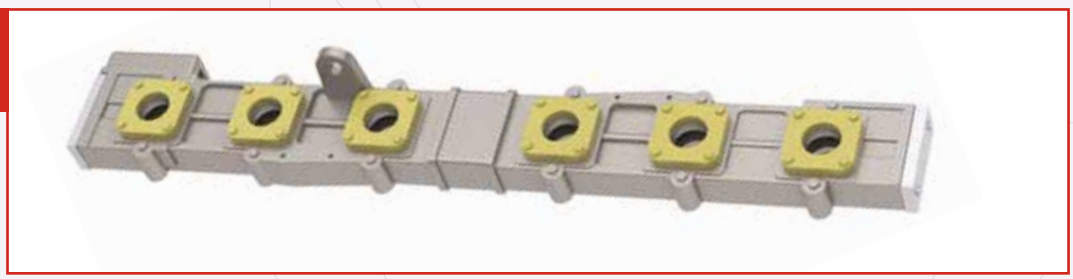


STEP 2

Fit 16B Intake trumpet base bottom to 16A Intake trumpet base top and fix with three CP screws.

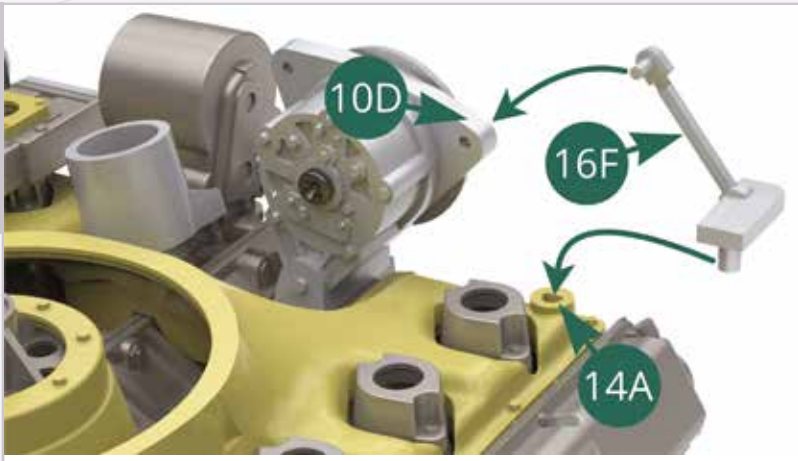


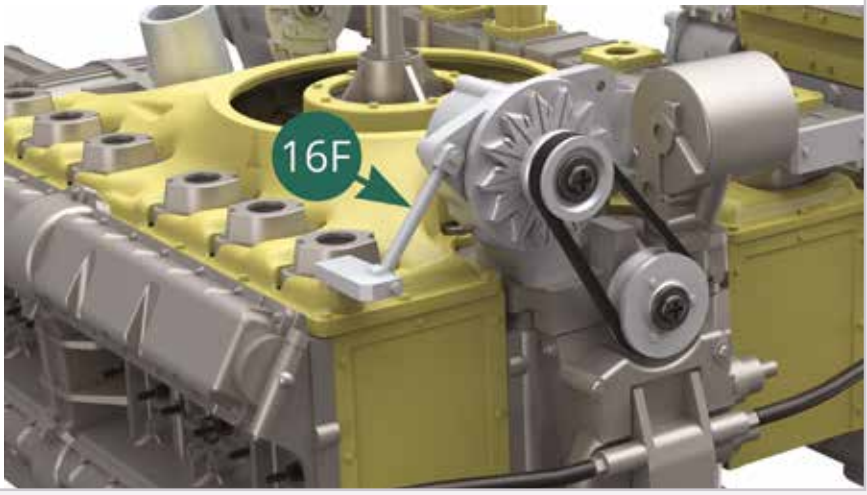
Preassembled Intake trumpet base



STEP 3

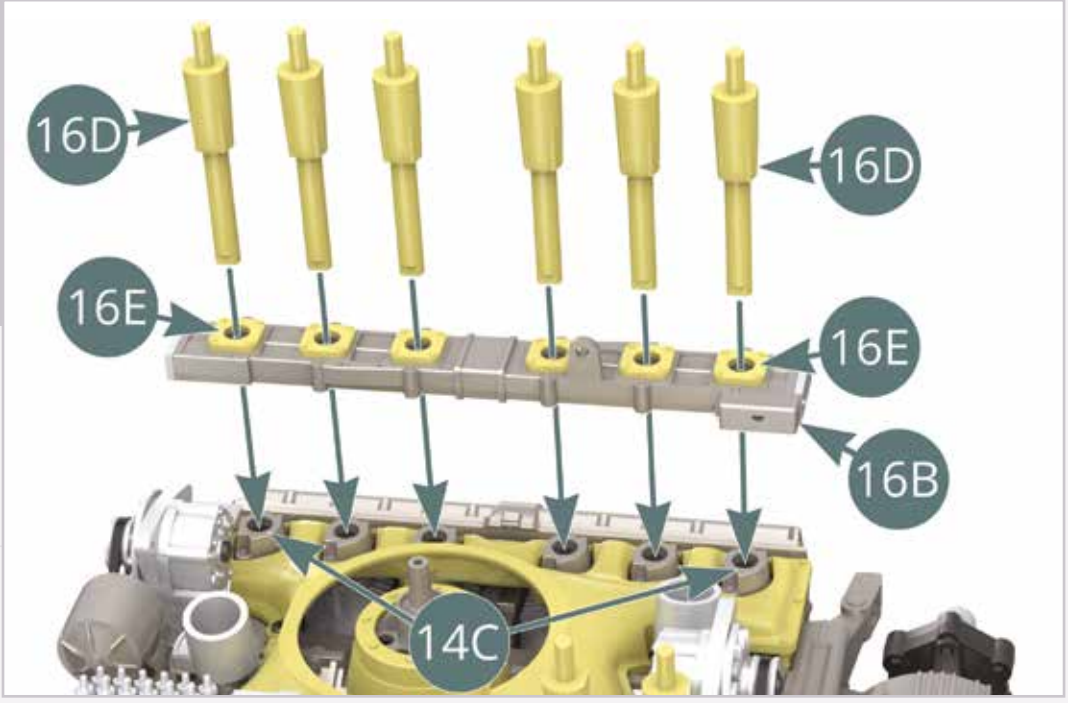
Fit 16F Generator strut to 10D Generator ear and 14A Air cooling chamber top cover corner (top and bottom illustrations).





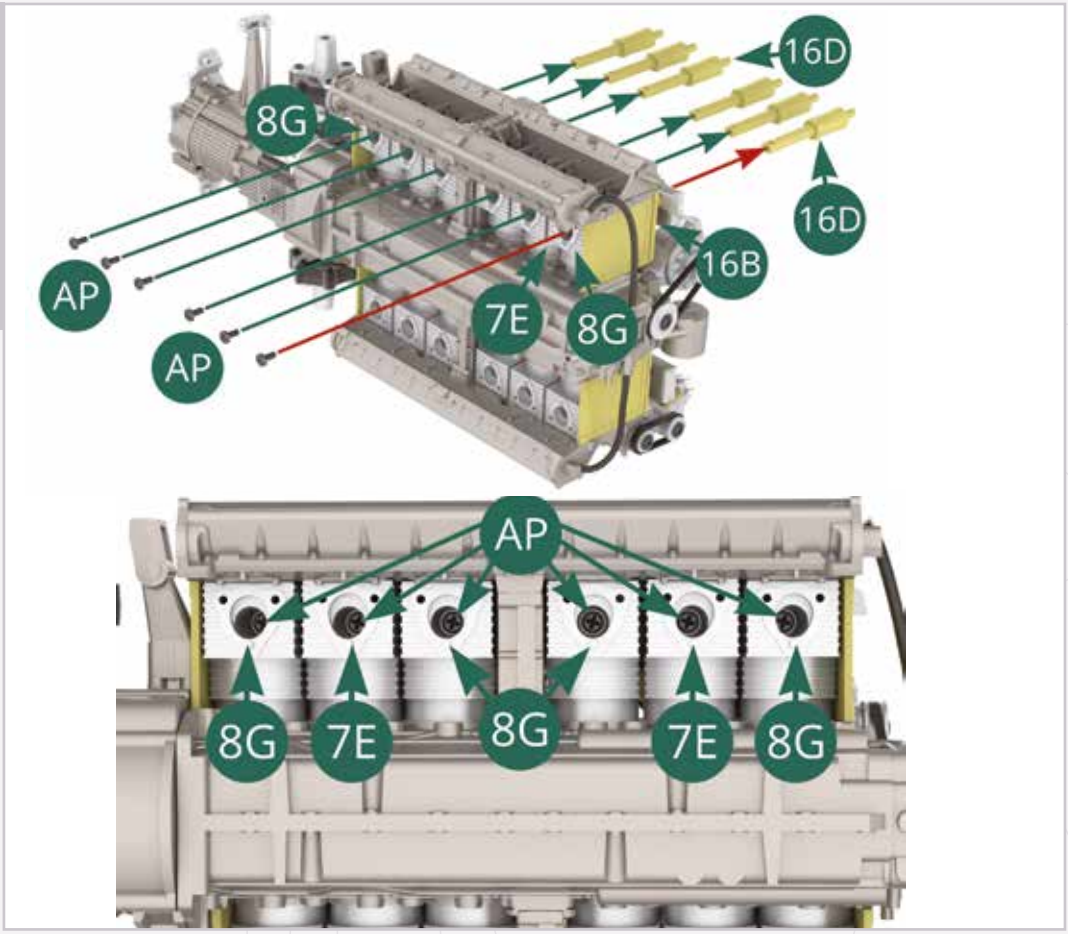
STEP 4

Placing 16B Intake trumpet base on six 14C Air intake mounts, fit six 16D Intake trumpets through six respective 16E Intake trumpet flanges and down into six respective 14C Air intake mounts.

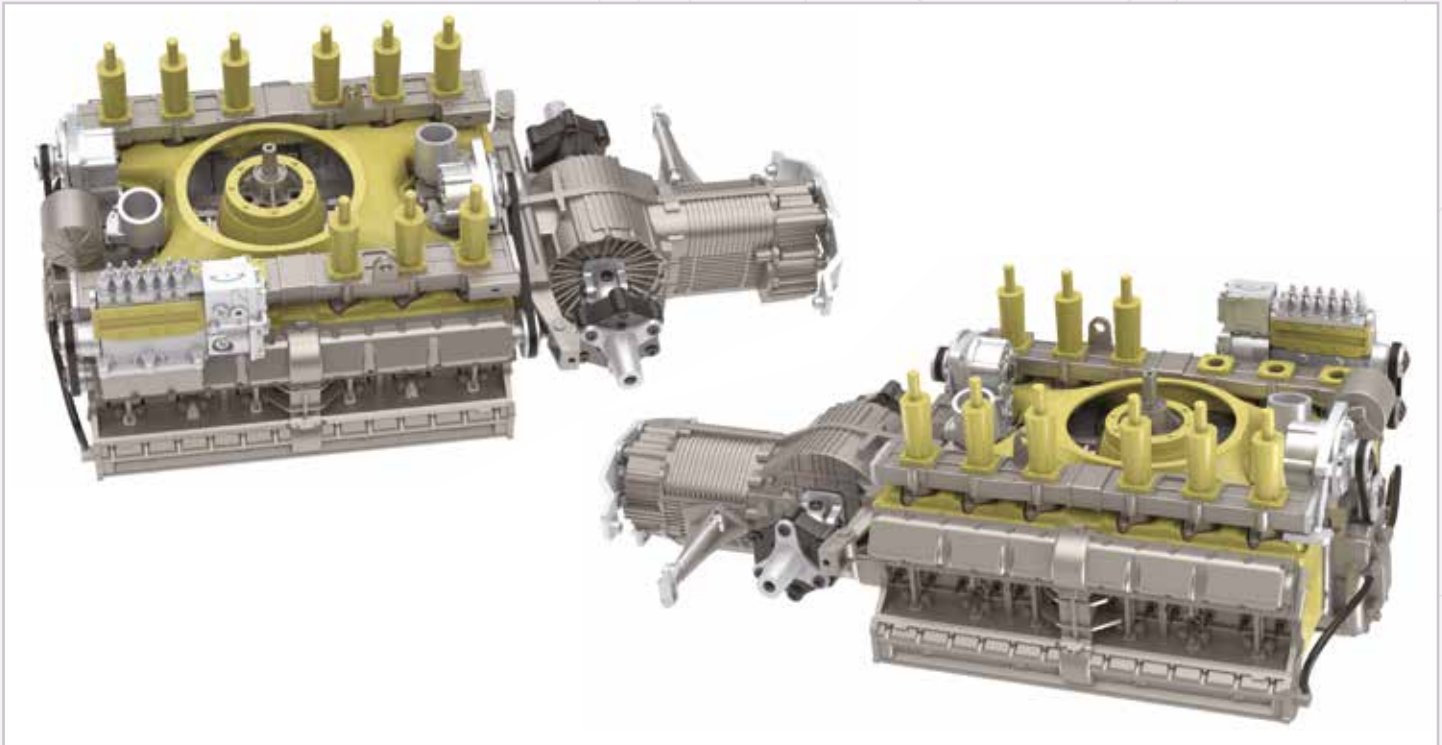


STEP 5

Fix each one of 16D Air intake trumpets to four 8G and two 7E Cylinder lower parts, starting with endmost 8G pointed by red arrow, with six AP screws (top and bottom illustrations).



General view



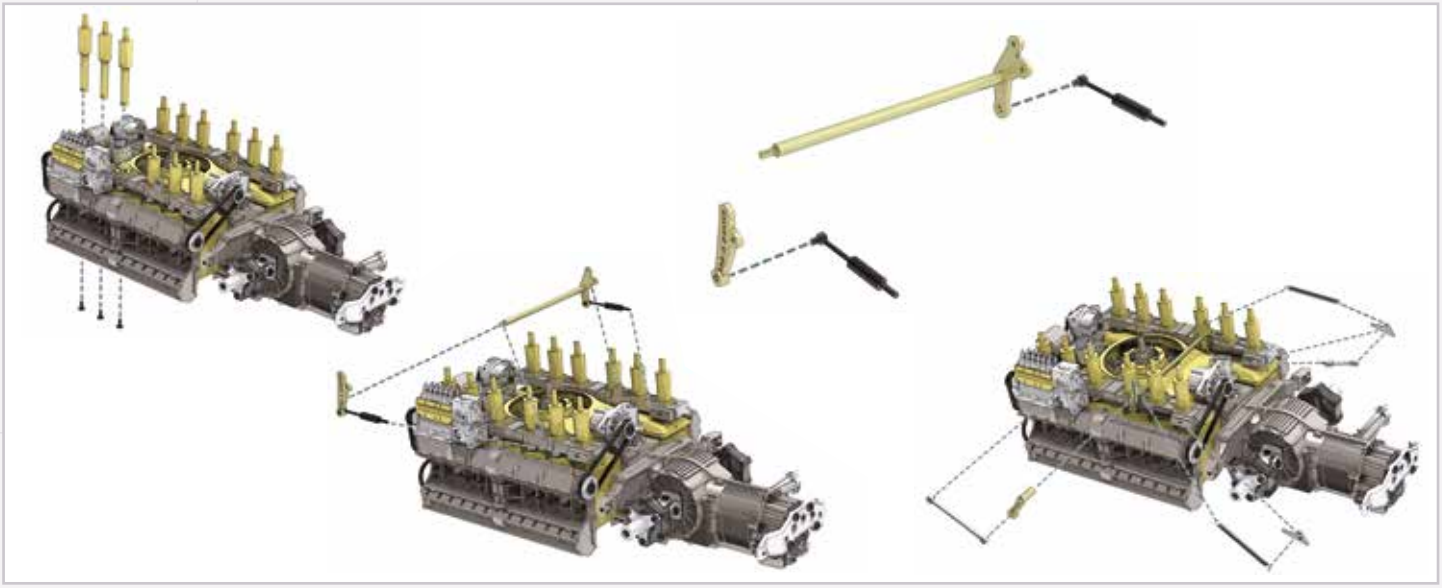
Parts of the issue 17

17A Return spring (x2)
17B Generator strut
17C Control rod
17D Rocker axle
17E Control lever
17F Rocker
17G Bracket (x2)
17H Damper (x2)
AP M1.7 x4mm (x4)



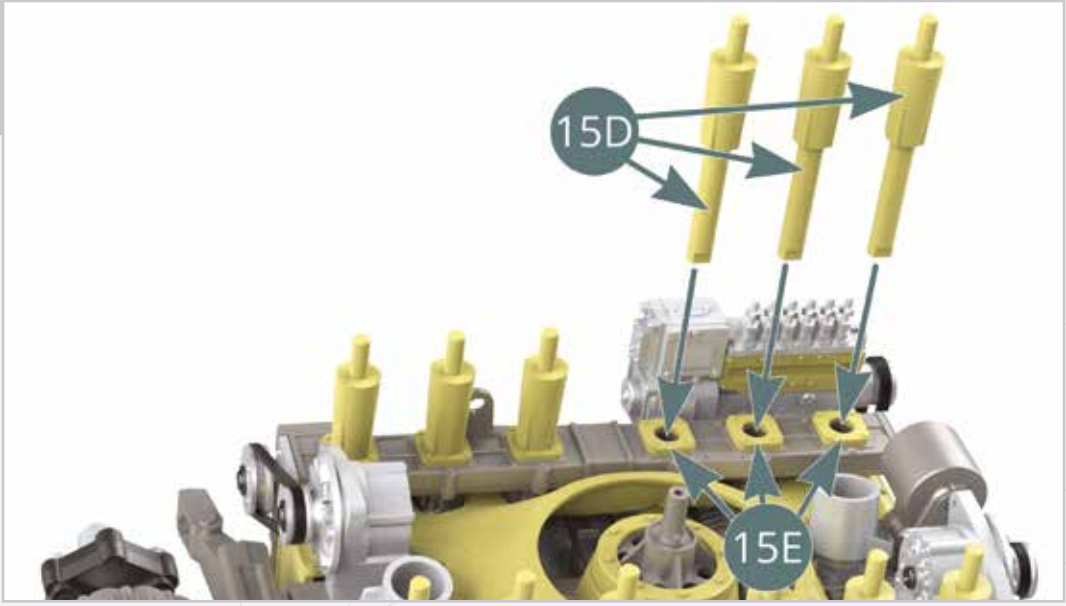
Throttle control installation on the engine

Assembly diagram



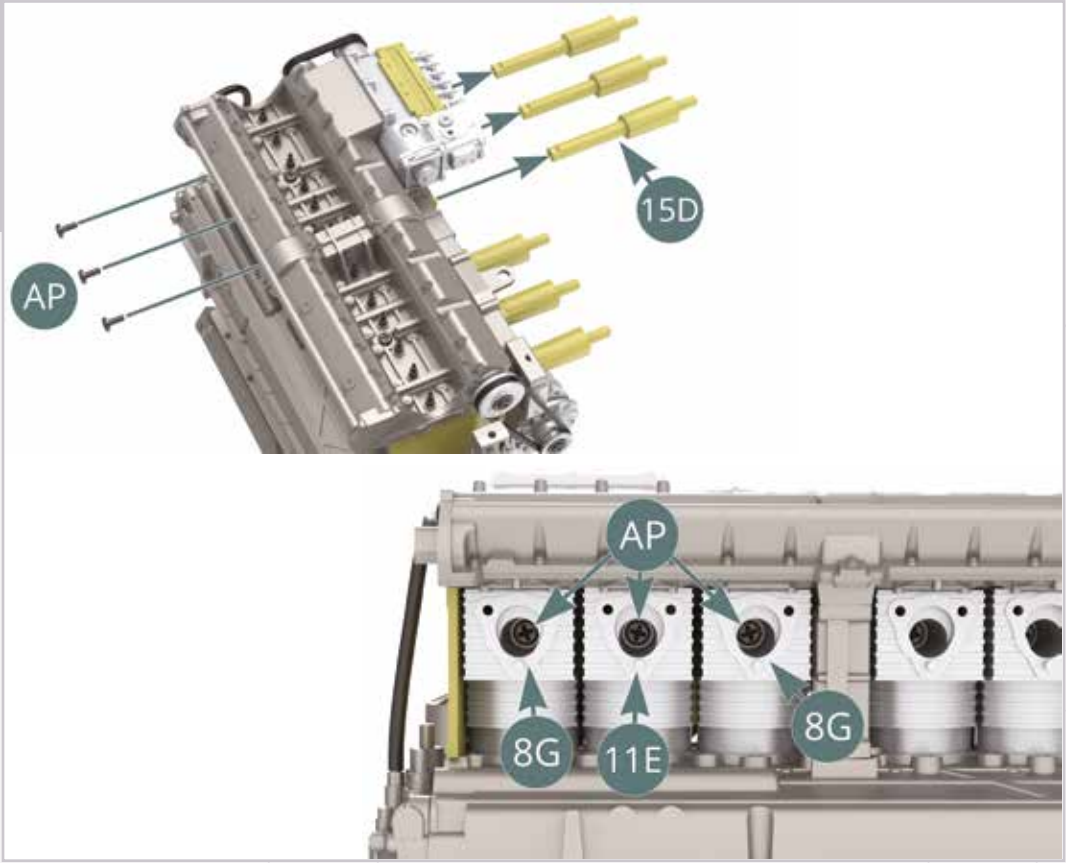
STEP 1

Fit three 15D Intake trumpets into three 15E Intake trumpet flanges.



STEP 2

Fix three 15D Intake trumpets to 11E and 8G Cylinder lower parts with three AP screws (top and bottom illustrations).



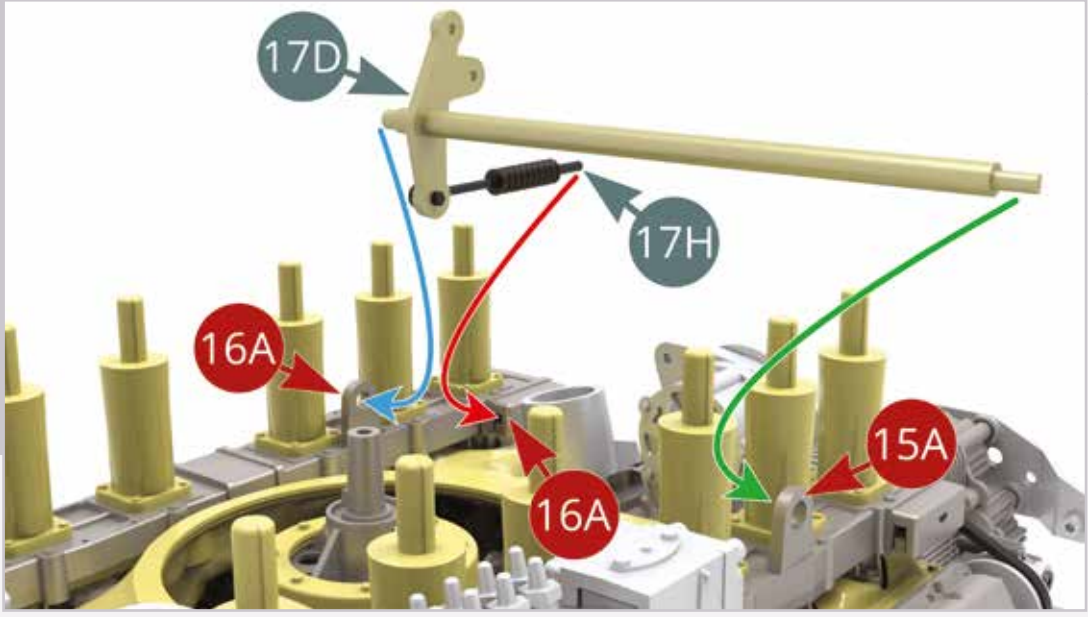
STEP 3

Fit 17H Damper to 17D Rocker axle.



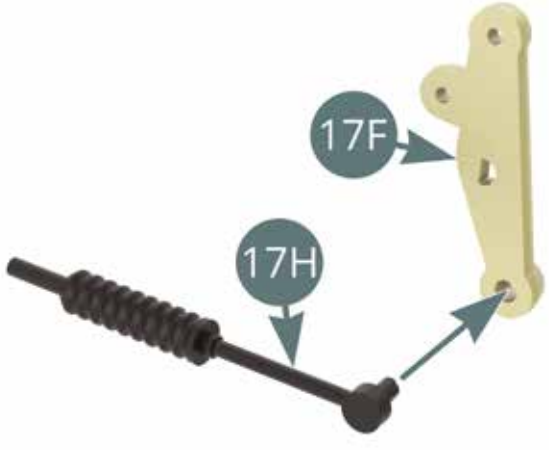
STEP 4

Start fitting 17D Rocker axle by passing its free end into 15A Intake trumpet base eye plate (green arrow) and 17H Damper into 16A Intake trumpet base (red arrow). Finish 17D Rocker axle installation by fitting its rocker end into 16A Intake trumpet base eye plate (blue arrow).



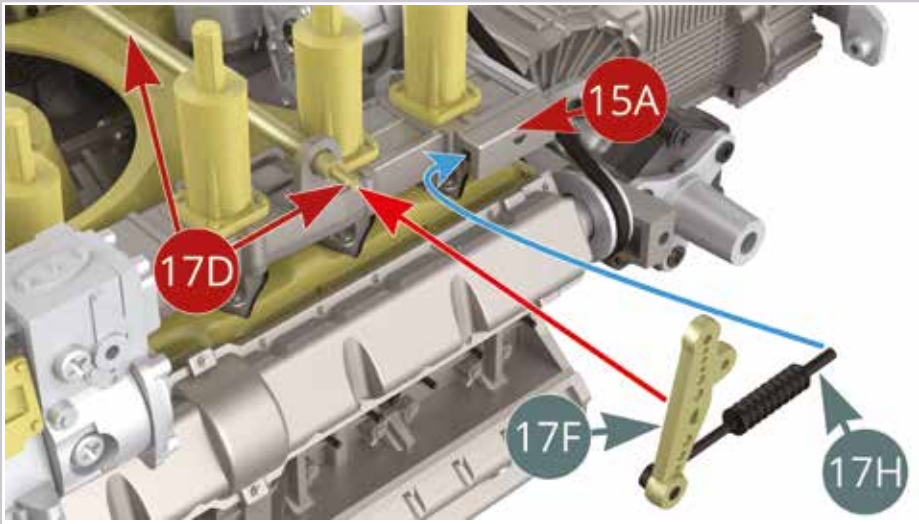
STEP 5

Fit 17H Damper to 17F Rocker.



STEP 6

Fit 17H Damper into 15A Intake trumpet base (blue arrow) and 17F Rocker to 17D Rocker axle (red arrows).

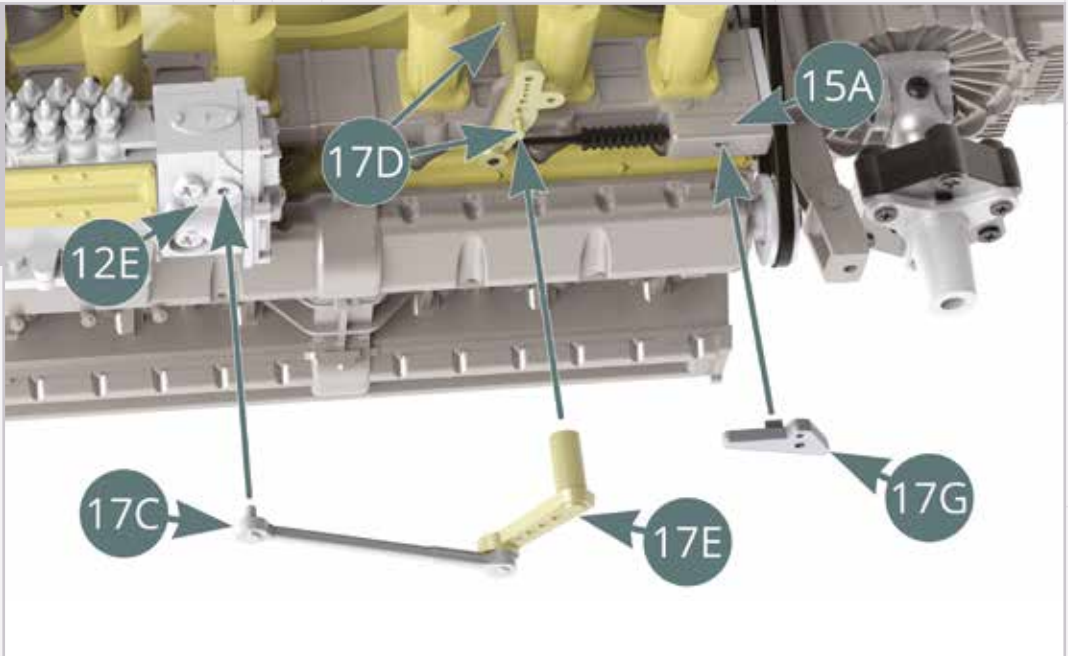




Fit 17C Control rod to 17E Control lever.

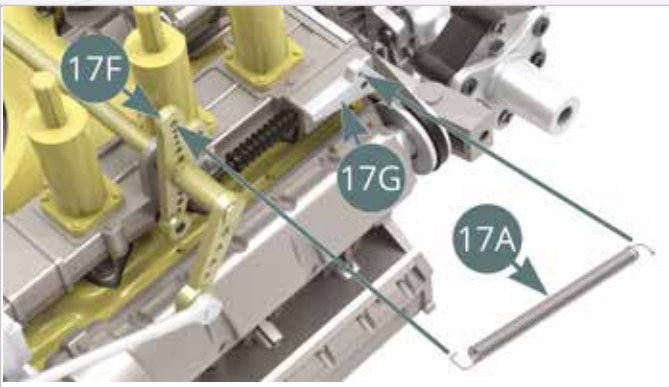
STEP 7

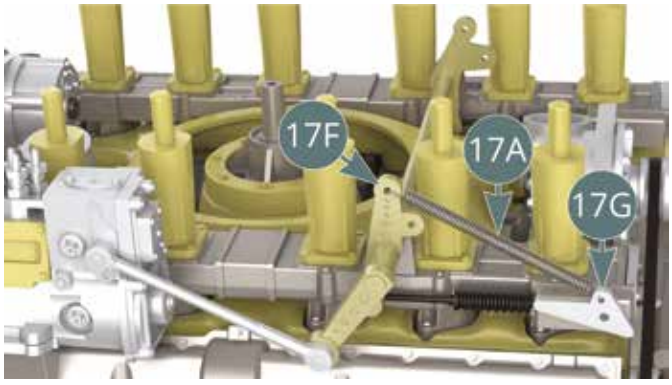
Fit 17E Control lever to 17D Rocker axle end, and 17C Control rod to 12E Bosch injector pump. Fit 17G Bracket to 15A Intake trumpet base.



STEP 8

Fit 17A Return spring between 17G Bracket and 17F Rocker.



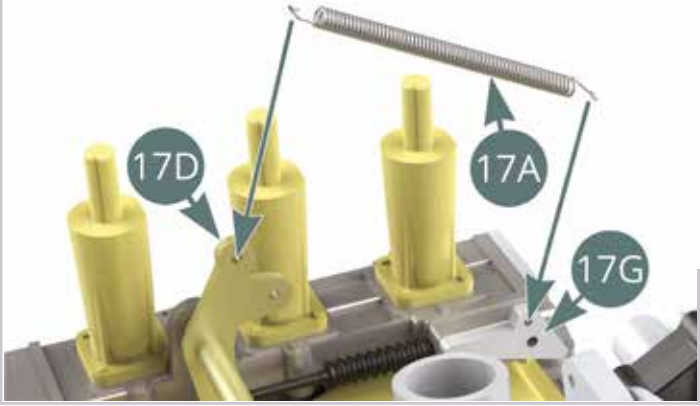


17A Return spring is installed between 17G Bracket and 17F Rocker.

STEP 9

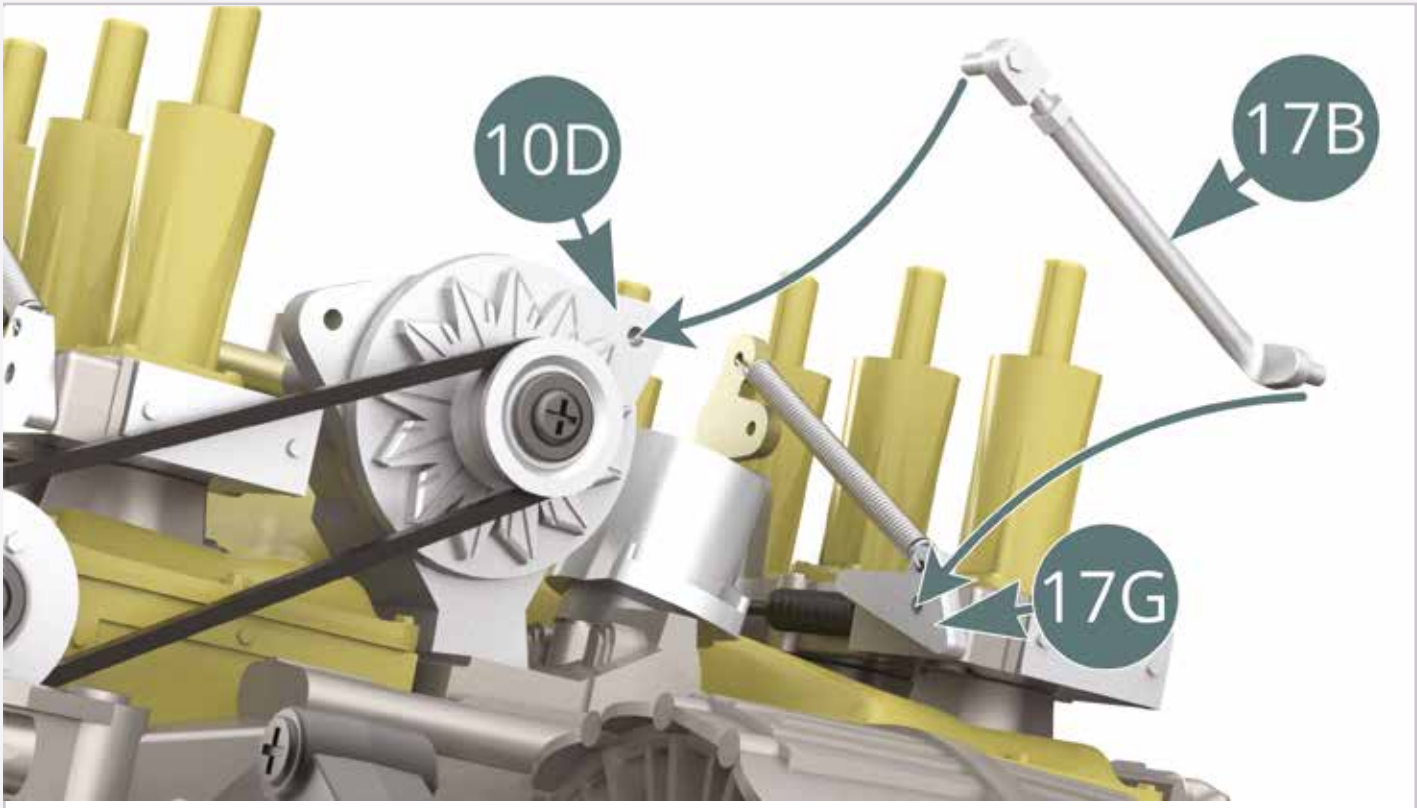
Fit 17G Bracket to 16A Intake trumpet base.



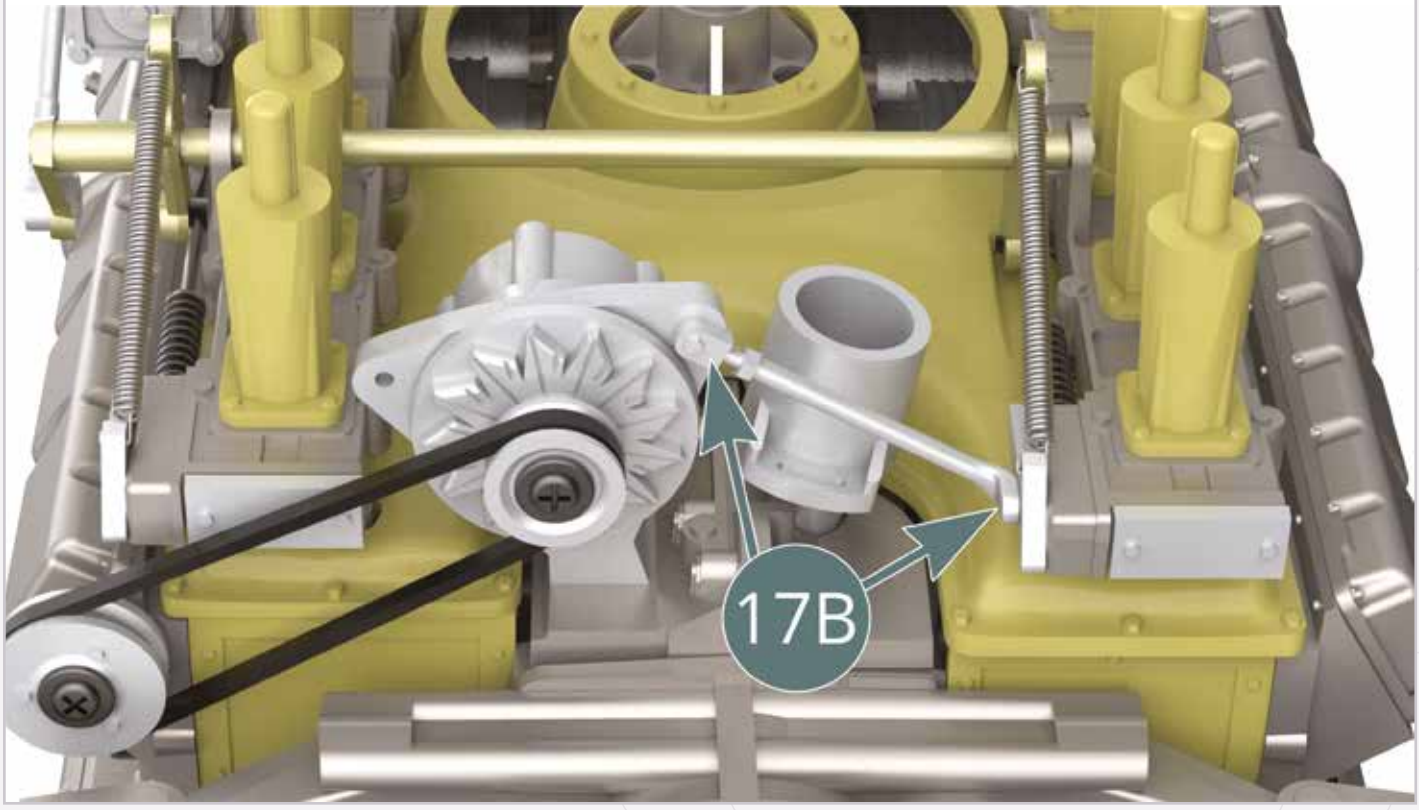


Fit 17A Return spring between 17G Bracket and 17D Rocker axle.

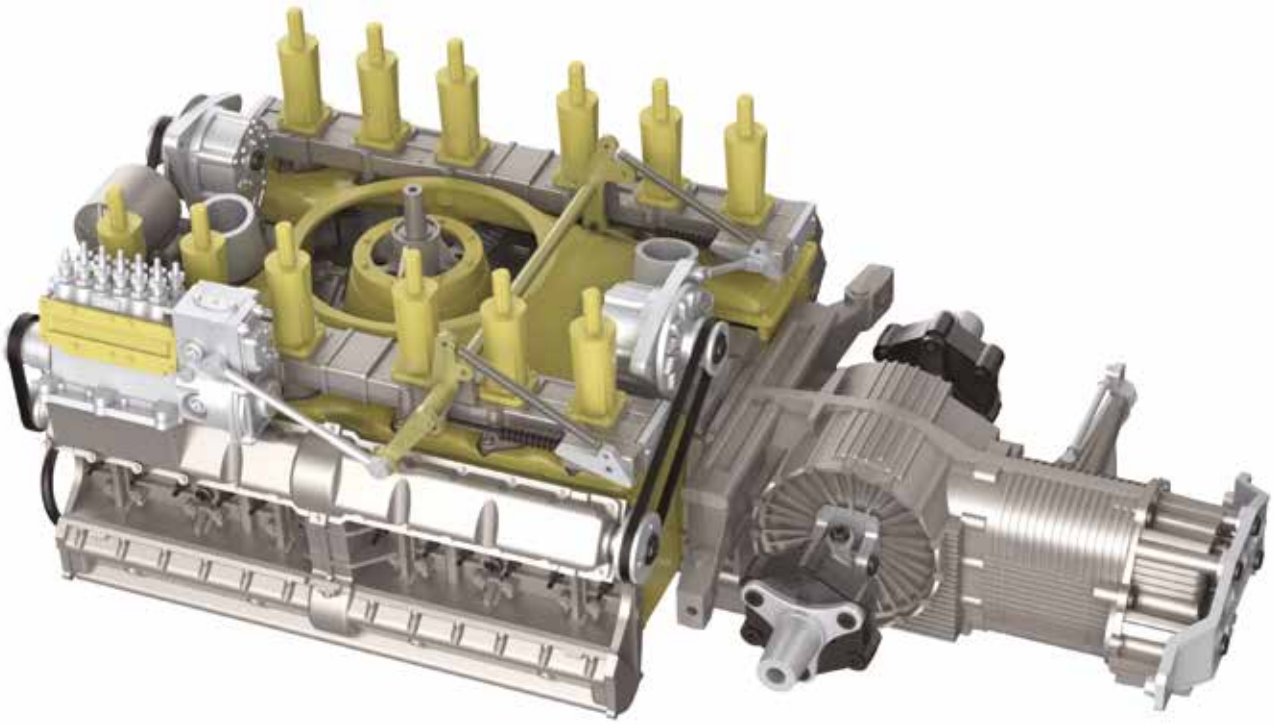
STEP 10

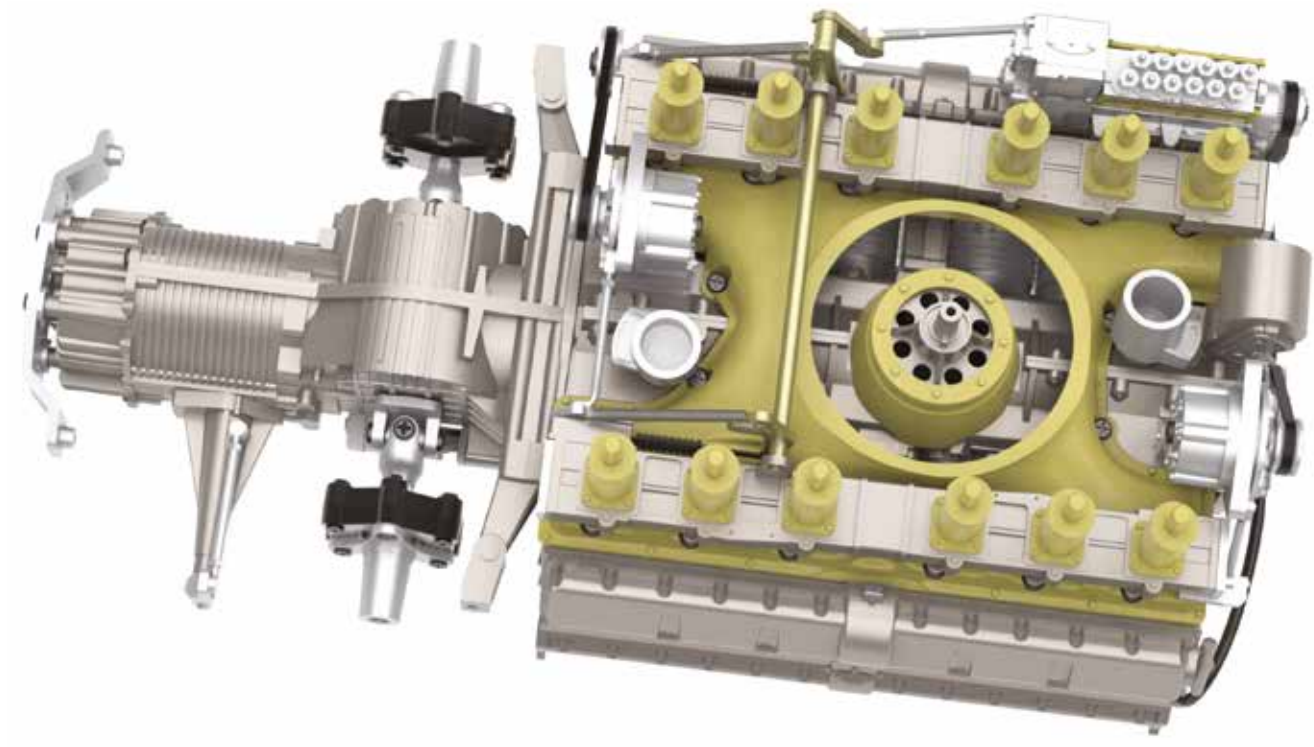


Fit 17B Generator strut between 17G Bracket and 10D Generator (upper and lower illustrations).



General view





Parts of the issue 18

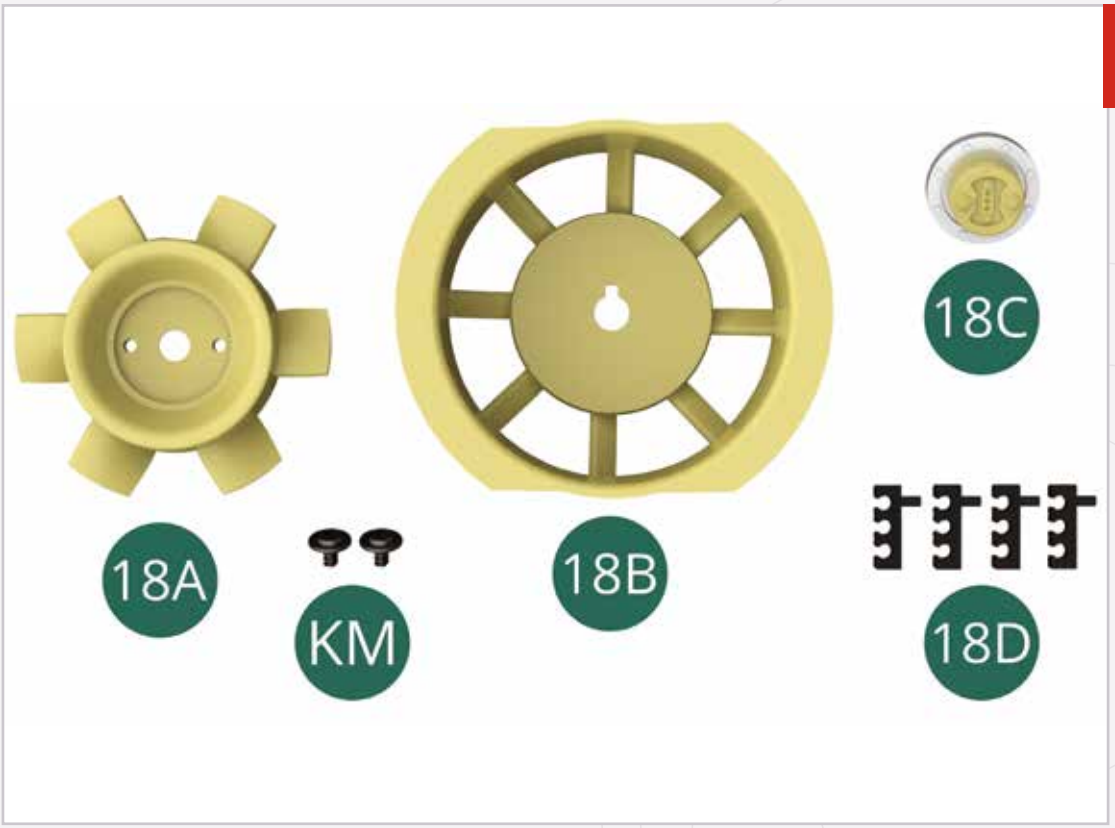
18A Fan

18B Fan housing

18C Hub cover

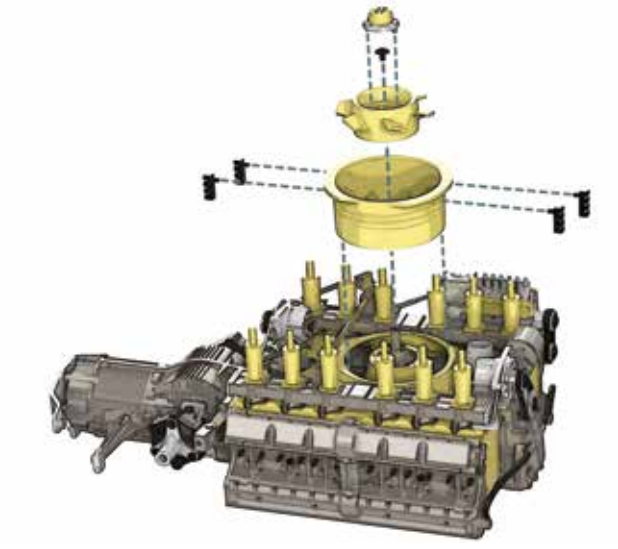
18D Fuel line guide (x4)

KM M1,7 x3x5mm (x2)



Cooler fan installation on the engine

Assembly diagram



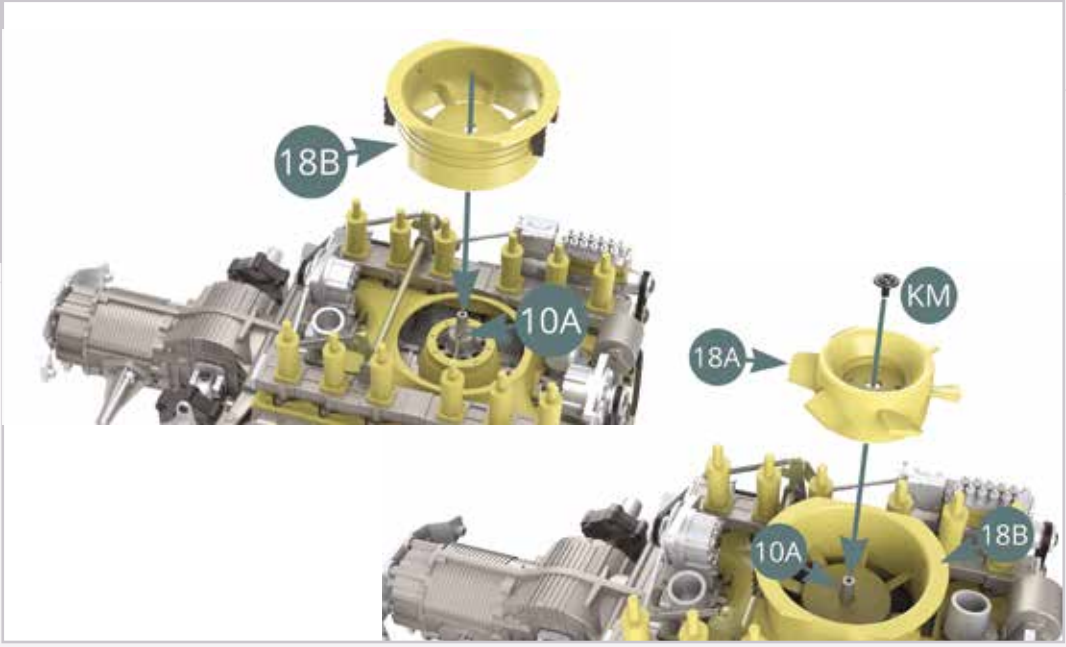
STEP 1

Fit two 18D Fuel line guides to one side of 18B Fan housing and two more to its opposite side (top and bottom illustrations).



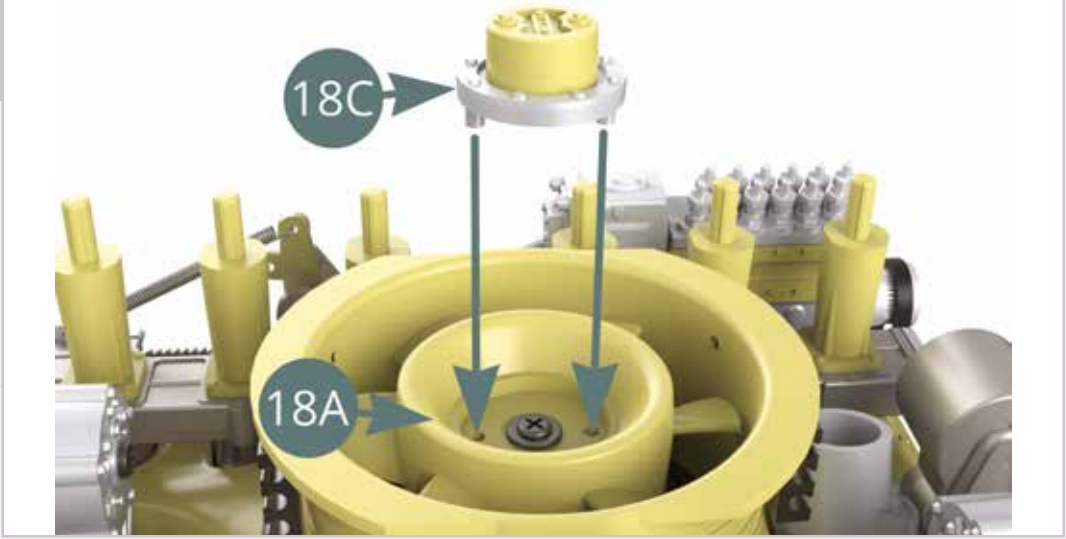
STEP 2

Fit 18B Fan housing to 10A Crankcase top panel stub axle.
Fit 18A Fan to 10A Crankcase top panel stub axle and fix with KM screw.

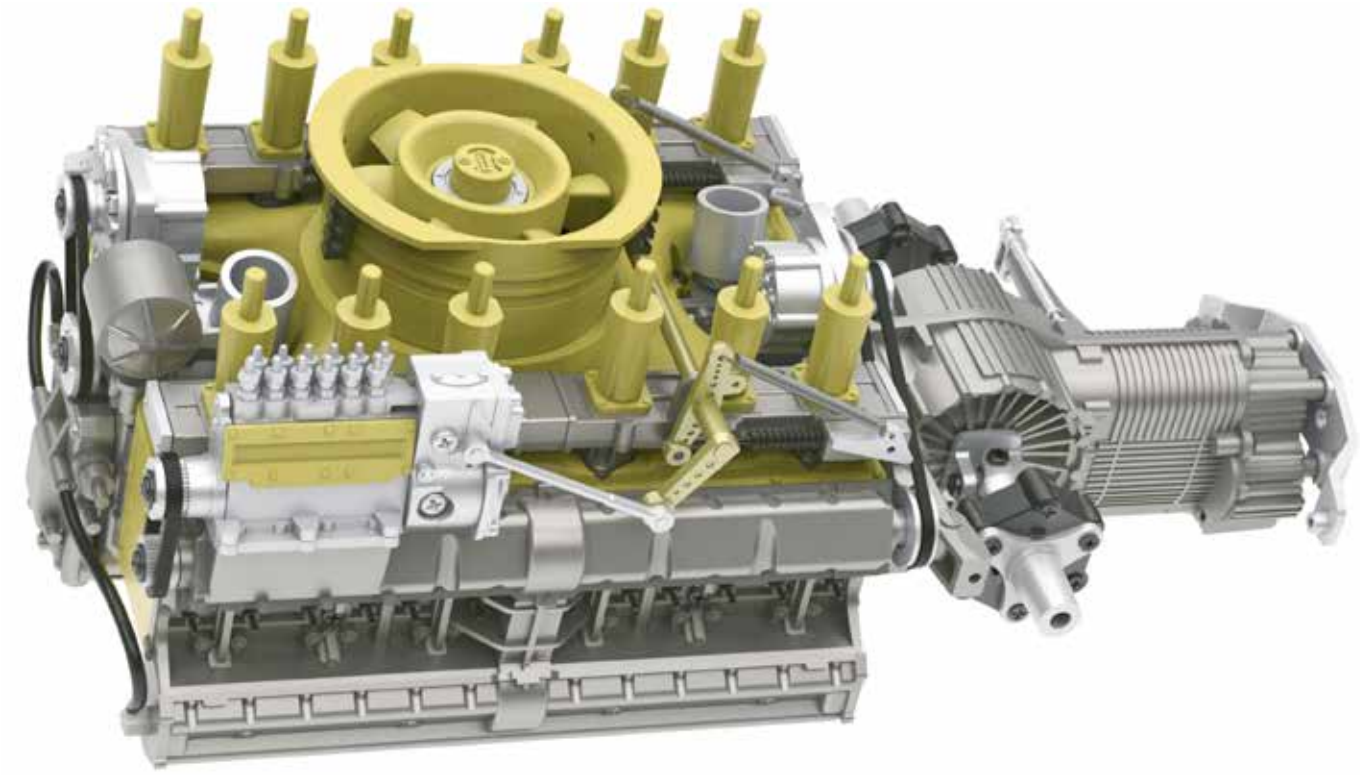


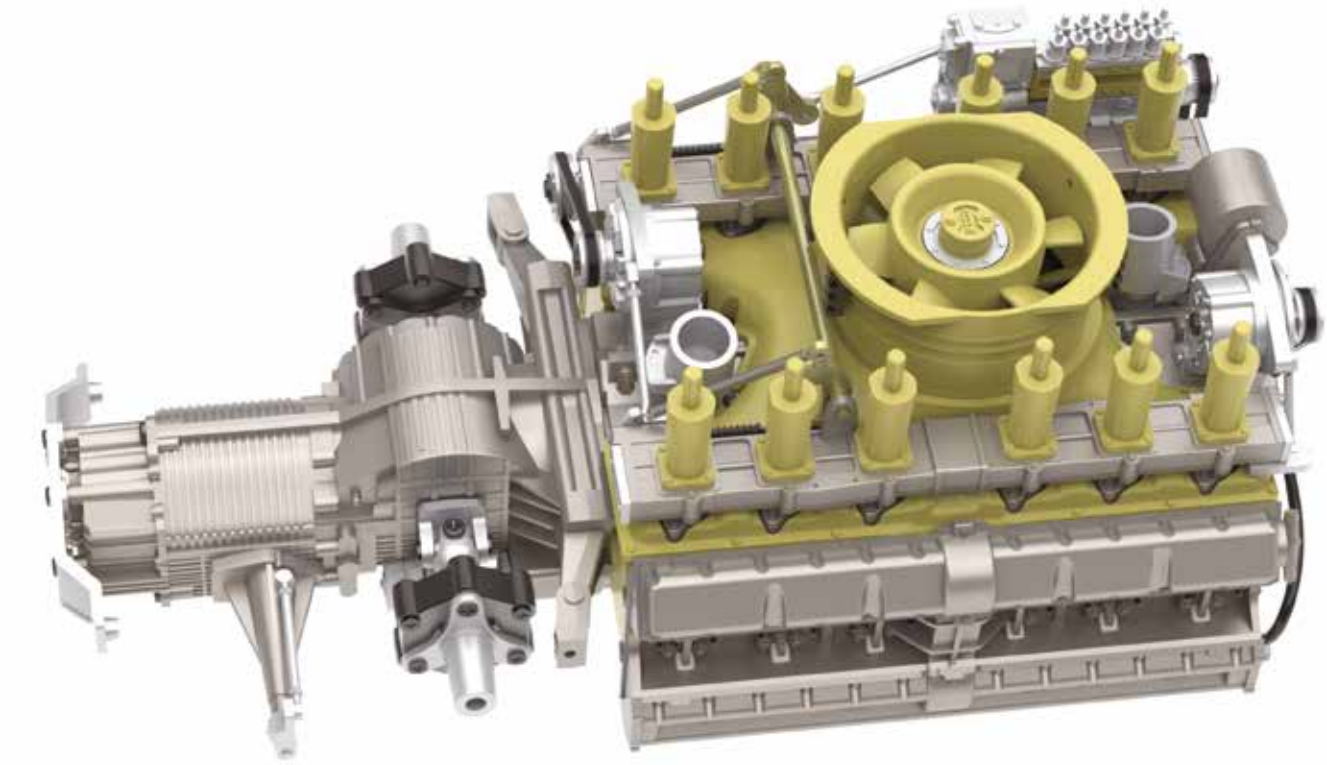
STEP 3

Fit 18C Hub cover to 18A Fan.



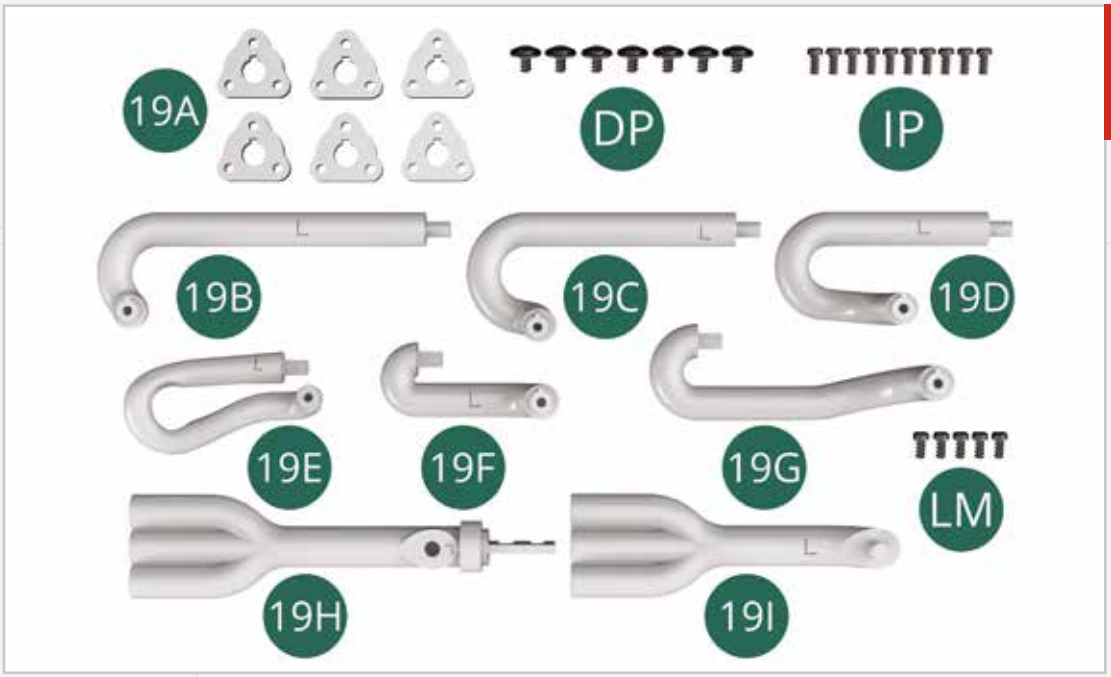
General view





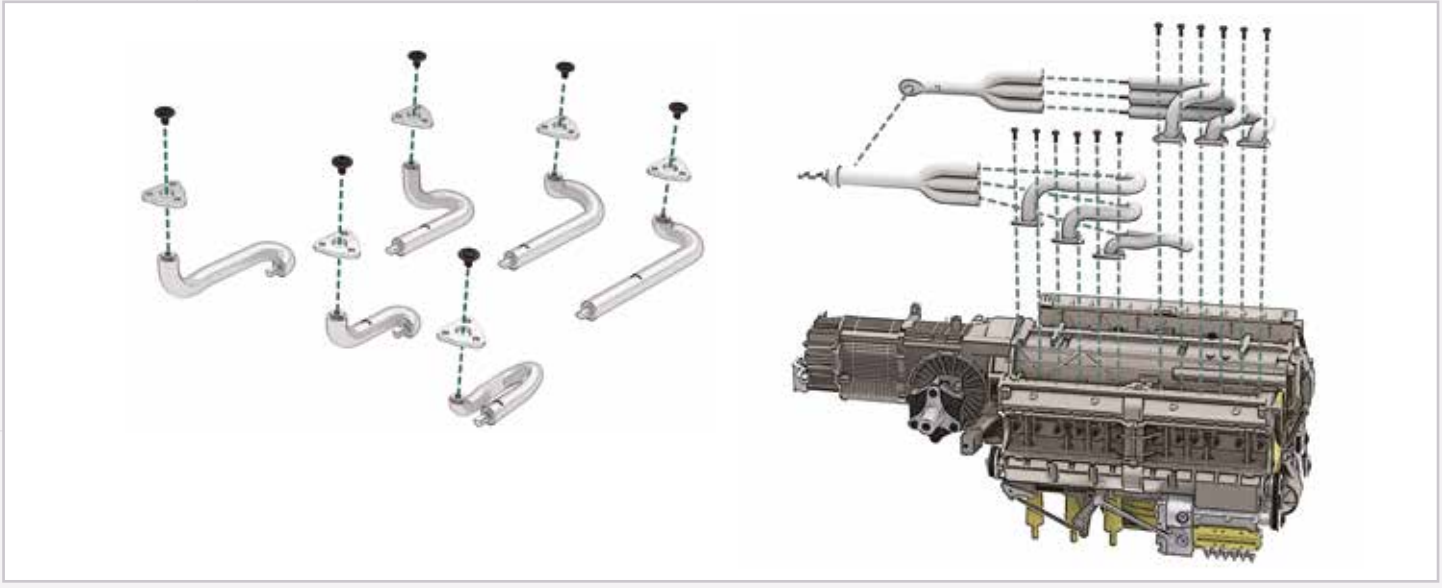
Parts of the issue 19

19A Flange (x6)
19B Exhaust pipe
19C Exhaust pipe
19D Exhaust pipe
19E Exhaust pipe
19F Exhaust pipe
19G Exhaust pipe
19H Exhaust manifold
19I Exhaust manifold
DP M1,7 x3x5mm (x7)
IP M1,5 x3mm (x10)
LM M1,5 x3mm (x5)



Left exhaust manifold installation on the engine

Assembly diagram



STEP 1

Fit six 19A Flanges consecutively on 19B, 19C, 19D, 19E, 19F and 19G Exhaust pipes and fix with six DP screws (upper and lower illustrations).

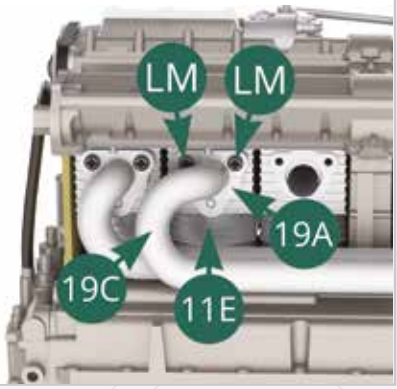


STEP 2

Fit 19A Flange of 19B Exhaust pipe to 8G Cylinder and fix with two IP screws.

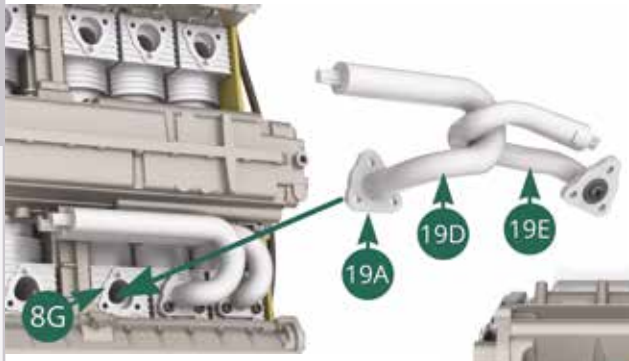


Fit 19A Flange of 19C Exhaust pipe to 11E Cylinder and fix with two LM screws.

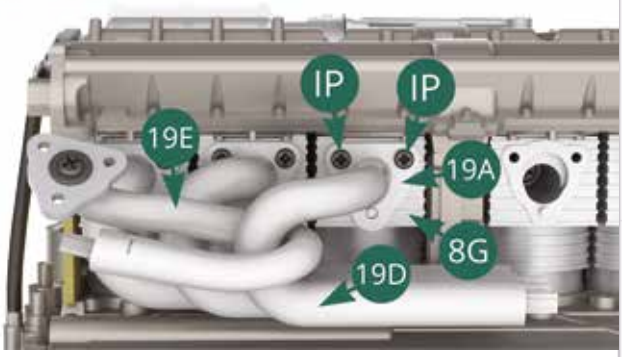


STEP 3

Hook 19E Exhaust pipe to 19D Exhaust pipe and fit the latter's 19A Flange to 8G Cylinder.

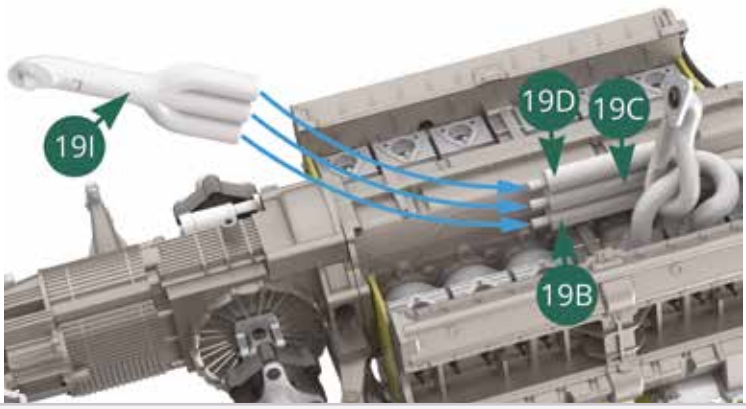


Fix 19A Flange of 19D Exhaust pipe to 8G Cylinder with two IP screws.



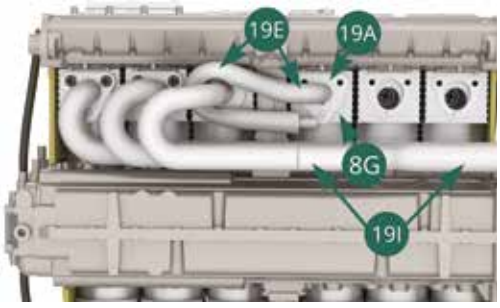
STEP 4

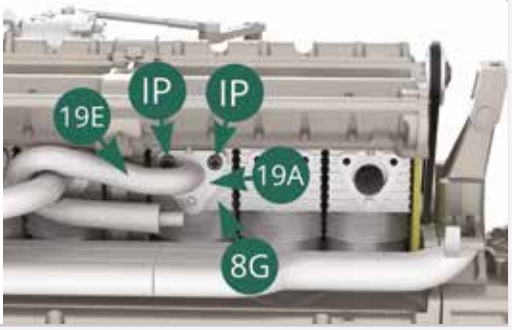
Fit 19I Exhaust manifold to connecting pins of 19B, 19C and 19D Exhaust pipes.



STEP 5

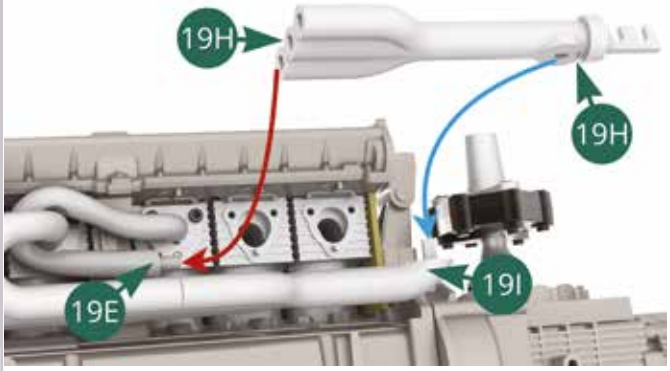
Fit 19A Flange of 19E Exhaust pipe to 8G Cylinder and fix with two IP screws (upper and lower illustrations).

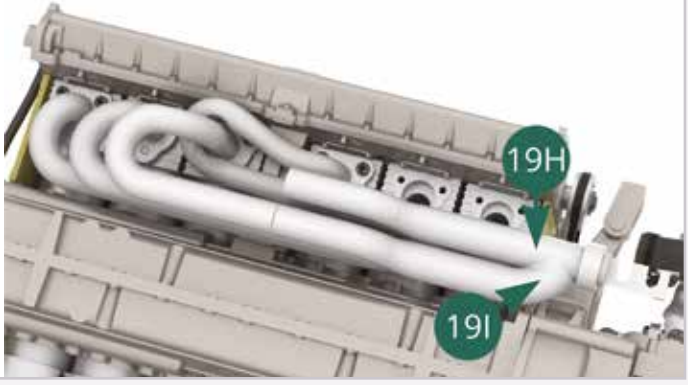




STEP 6

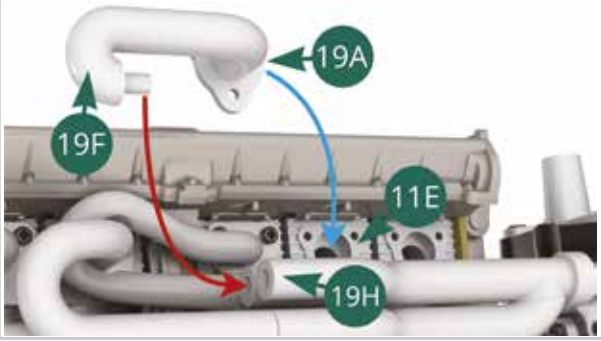
Fit 19H Exhaust manifold lower socket to 19E Exhaust pipe pin (red arrow) and then fit 19H Exhaust manifold other extremity socket to 19I Exhaust manifold pin (blue arrow), referring to top and bottom illustrations.

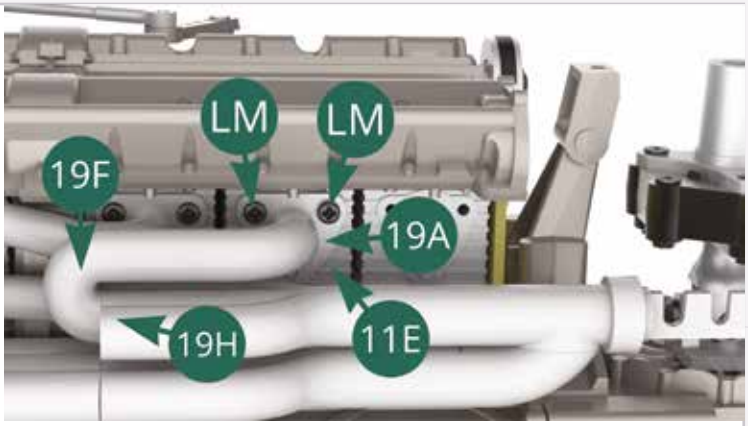




STEP 7

Fit 19F Exhaust pipe pin to middle socket of 19H Exhaust manifold (red arrow), aligning at the same time 19A Flange to 11E Cylinder (blue arrow).

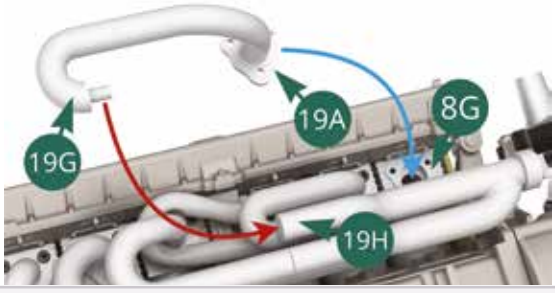




Fix 19A Flange of 19F exhaust pipe to 11E Cylinder with two LM screws.

STEP 8

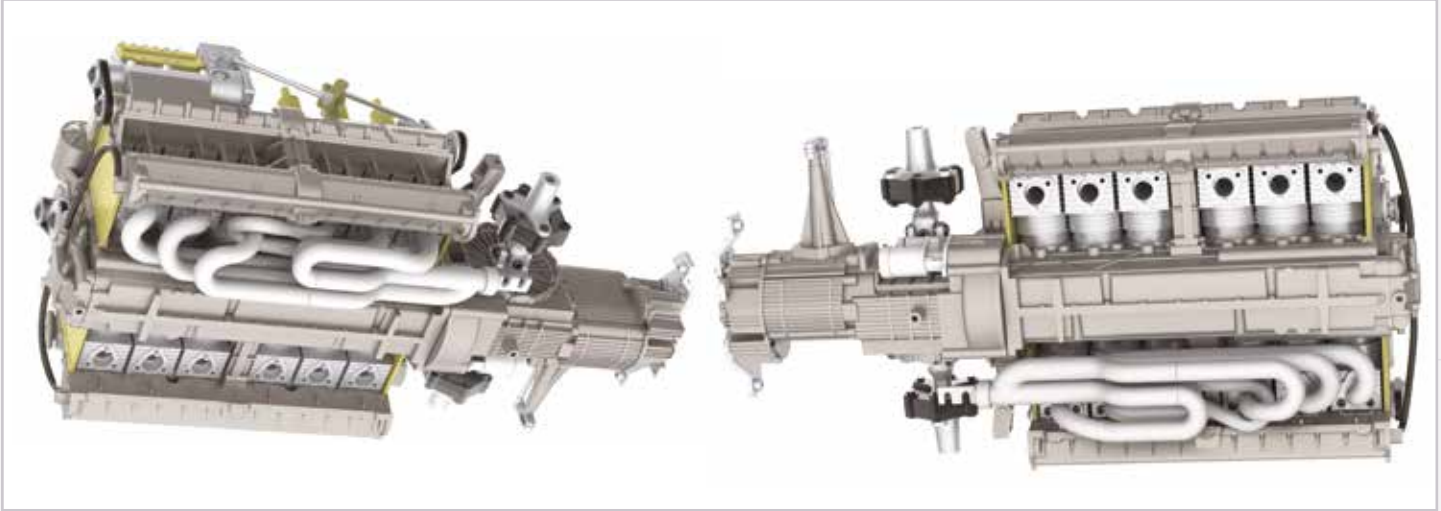
Fit 19G Exhaust pipe pin to top socket of 19H Exhaust manifold (red arrow), aligning at the same time 19A Flange to 8G Cylinder (blue arrow).





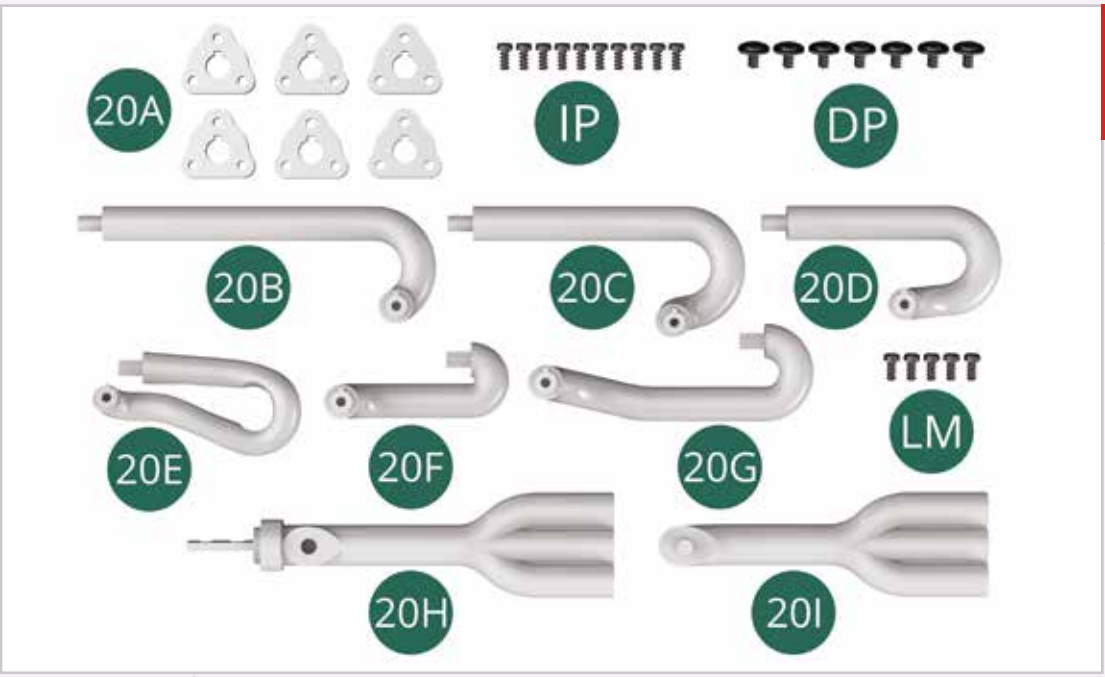
Fix 19A Flange of 19G exhaust pipe to 8G Cylinder with two IP screws.

General view



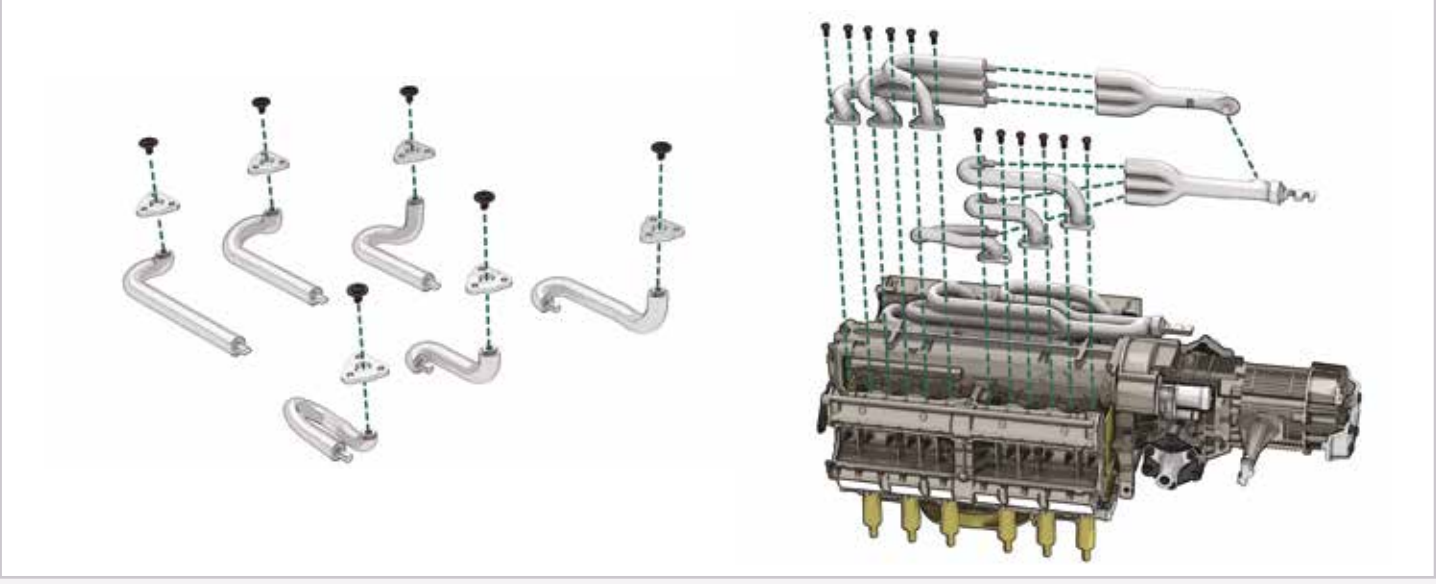
Parts of the issue 20

20A Flange (x6)
20B Exhaust pipe
20C Exhaust pipe
20D Exhaust pipe
20E Exhaust pipe
20F Exhaust pipe
20G Exhaust pipe
20H Exhaust manifold
20I Exhaust manifold
DP M1,7 x3x5mm (x7)
IP M1,5 x3mm (x10)
LM M1,5 x3mm (x5)



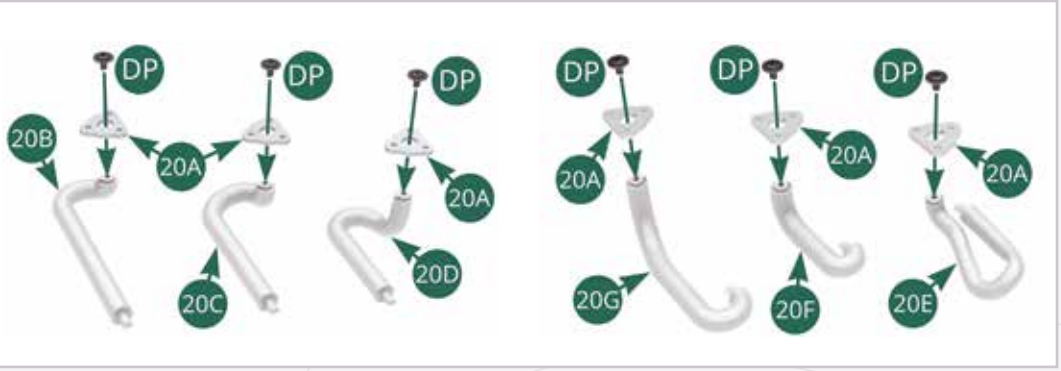
Right exhaust manifold installation on the engine

Assembly diagram



STEP 1

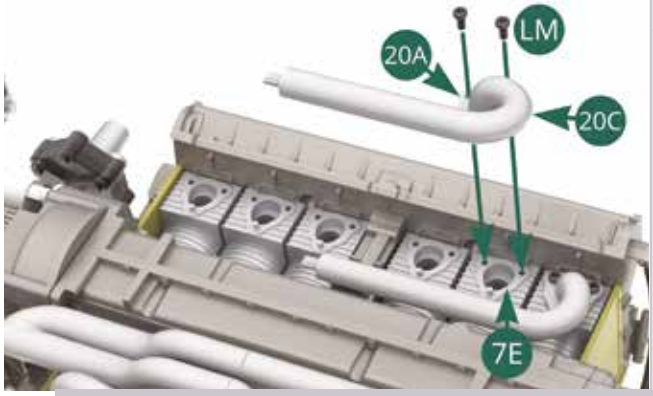
Fit six 20A Flanges consecutively on 20B, 20C, 20D, 20E, 20F and 20G Exhaust pipes and fix with six DP screws (upper and lower illustrations).



STEP 2

Fit 20A Flange of 20B Exhaust pipe to 8G Cylinder and fix with two IP screws.



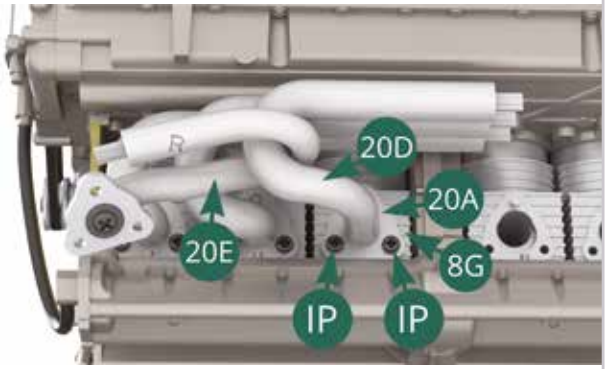


Fit 20A Flange of 20C Exhaust pipe to 7E Cylinder and fix with two LM screws.

STEP 3

Hook 20E Exhaust pipe to 20D Exhaust pipe and fit the latter's 20A Flange to 8G Cylinder.

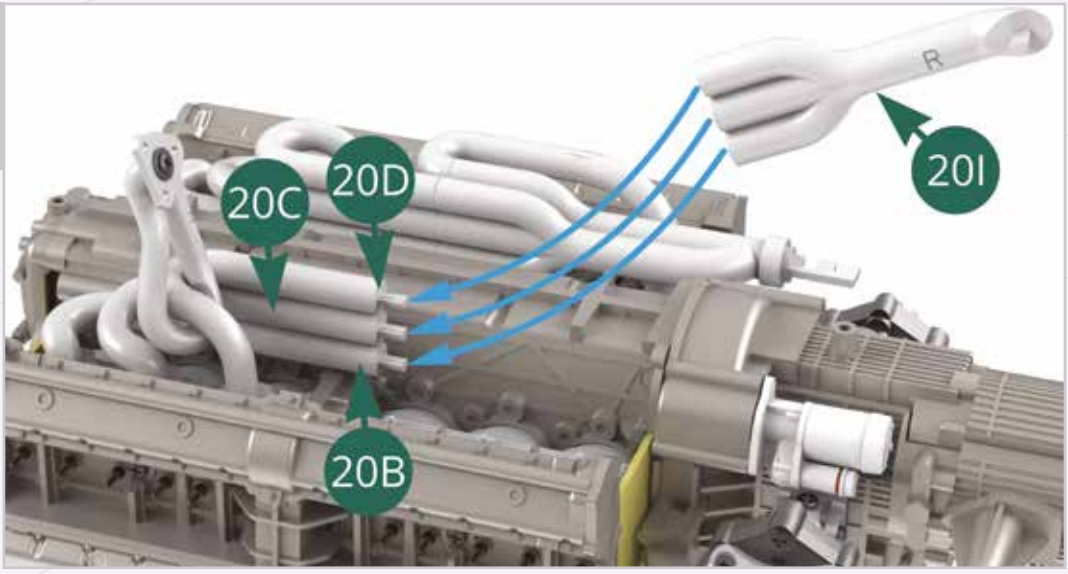




Fix 20A Flange of 20D Exhaust pipe to 8G Cylinder with two IP screws.

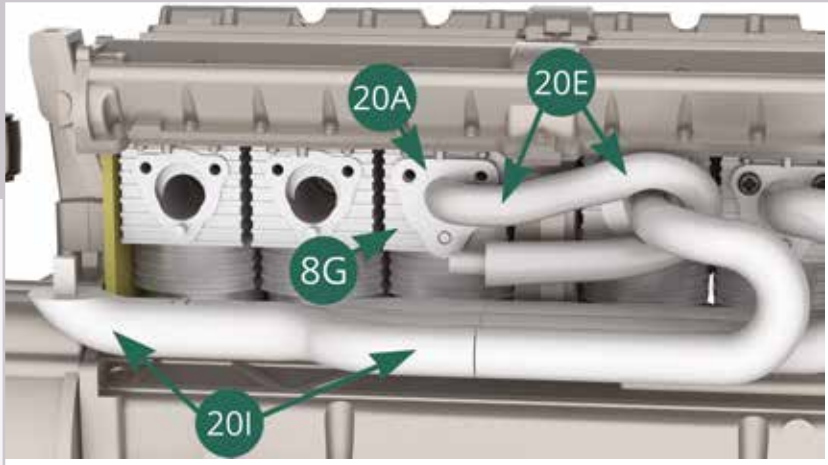
STEP 4

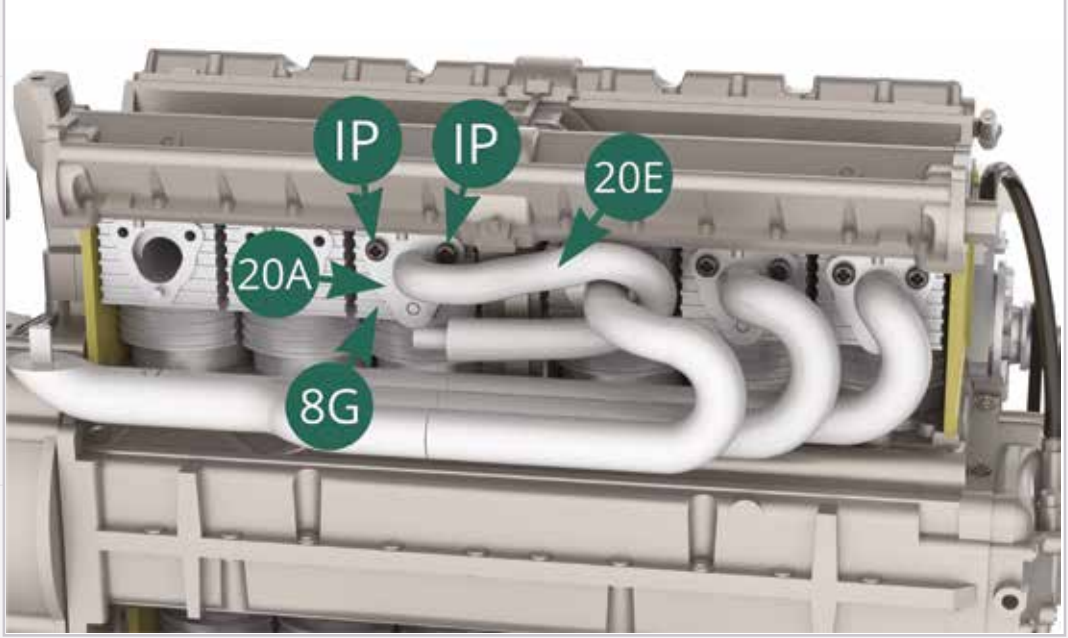
Fit 20I Exhaust manifold to connecting pins of 20B, 20C and 20D Exhaust pipes.



STEP 5

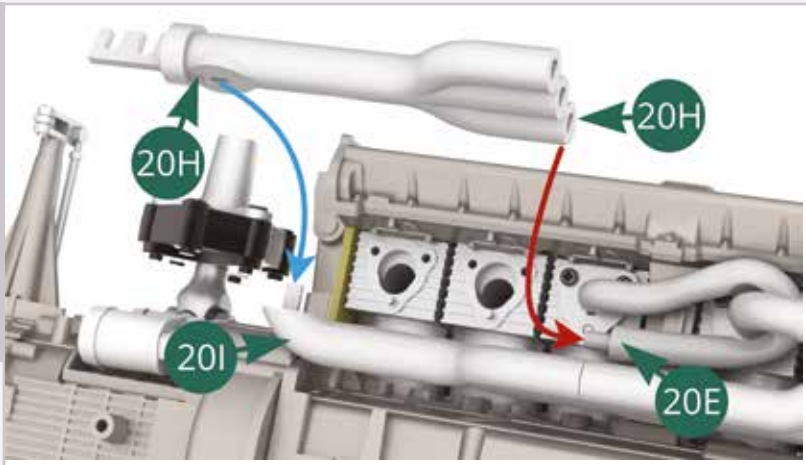
Fit 20A Flange of 20E Exhaust pipe to 8G Cylinder and fix with two IP screws (upper and lower illustrations).

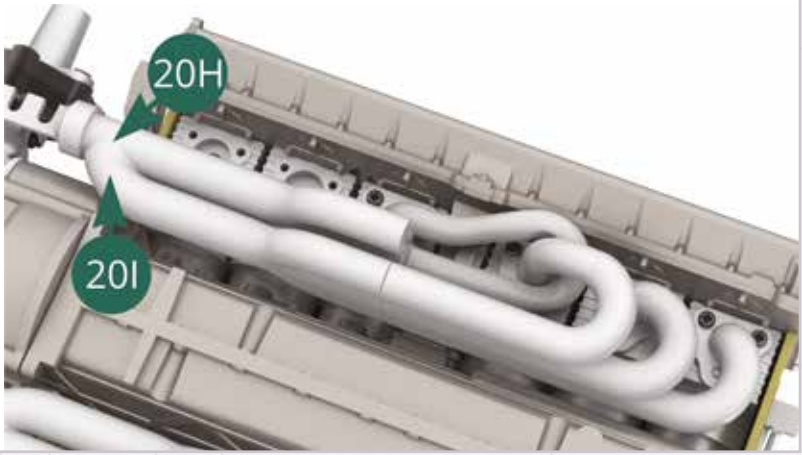




STEP 6

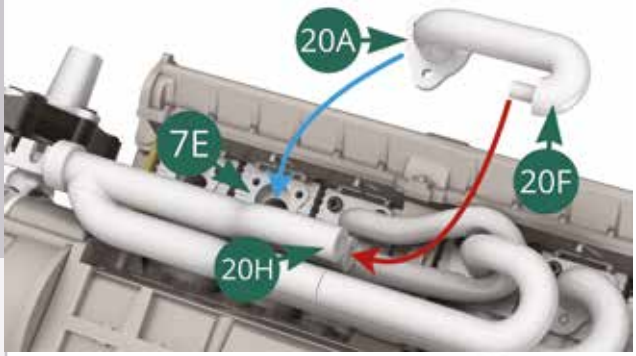
Fit 20H Exhaust manifold lower socket to 20E Exhaust pipe pin (red arrow) and then fit 20H Exhaust manifold other extremity socket to 20I Exhaust manifold pin (blue arrow), referring to top and bottom illustrations.



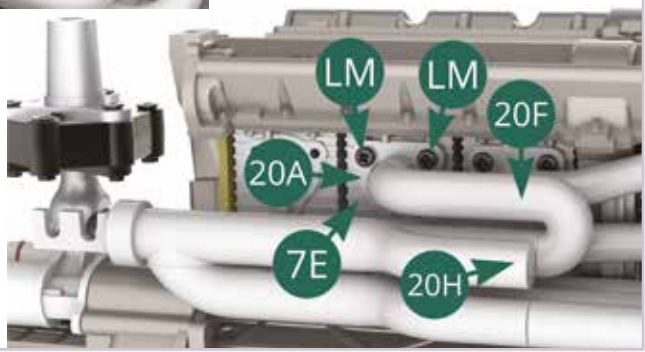


STEP 7

Fit 20F Exhaust pipe pin to middle socket of 20H Exhaust manifold (red arrow), aligning at the same time 20A Flange to 7E Cylinder (blue arrow).

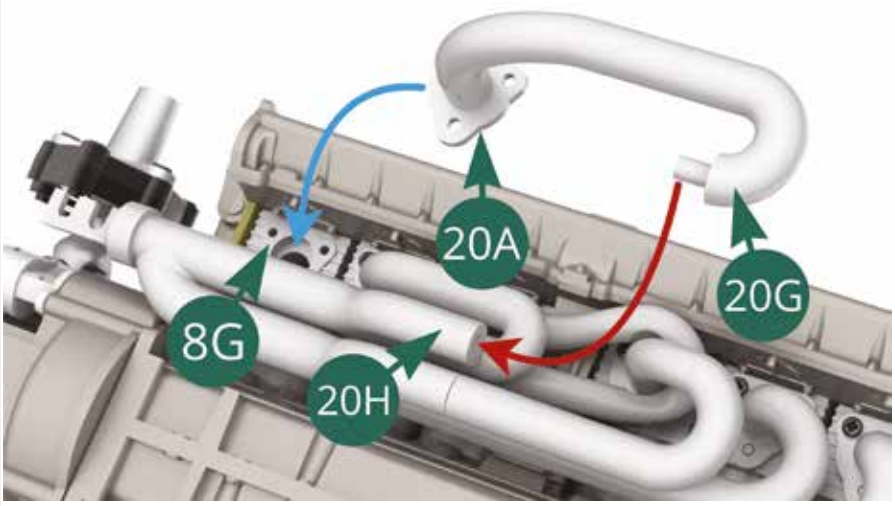


Fix 20A Flange of 20F exhaust pipe to 7E Cylinder with two LM screws.



STEP 8

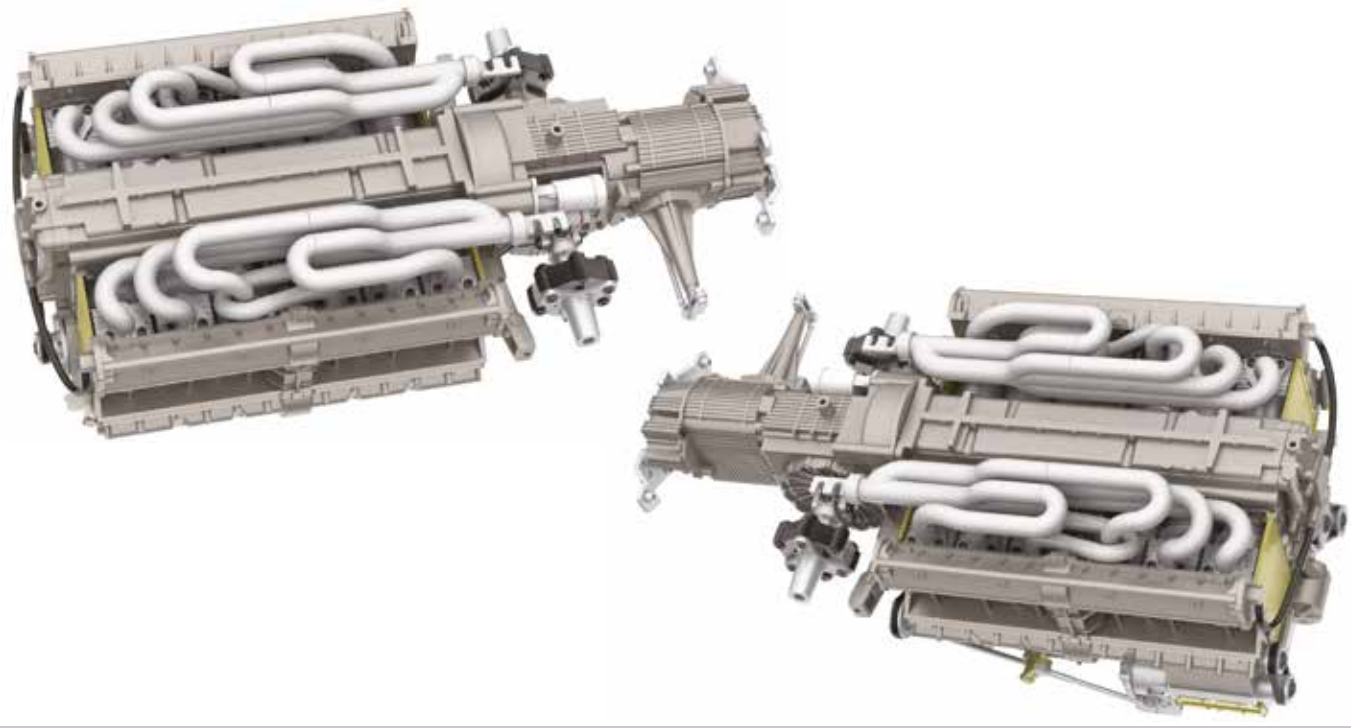
Fit 20G Exhaust pipe pin to top socket of 20H Exhaust manifold (red arrow), aligning at the same time 20A Flange to 8G Cylinder (blue arrow).





Fix 20A Flange of 20G Exhaust pipe to 8G Cylinder with two IP screws.

GENERAL VIEW



Parts of the issue 21

21A Left upper exhaust pipe

21B Left lower exhaust pipe

21C Exhaust pipe end bracket (x2)

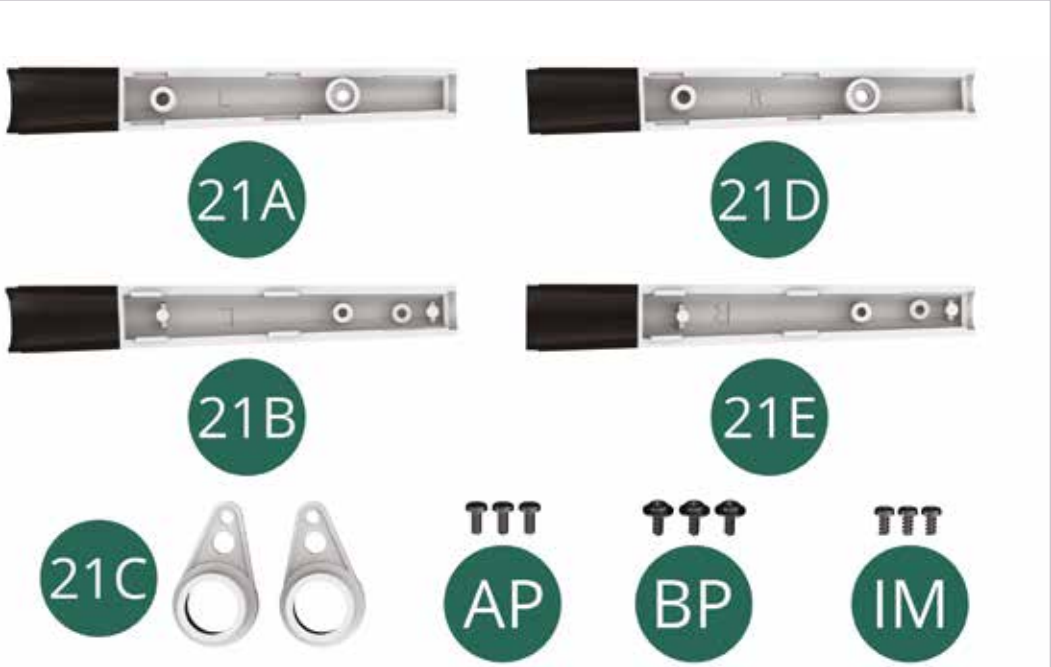
21D Right upper exhaust pipe

21E Right lower exhaust pipe

AP M1,7 x4mm (x3)

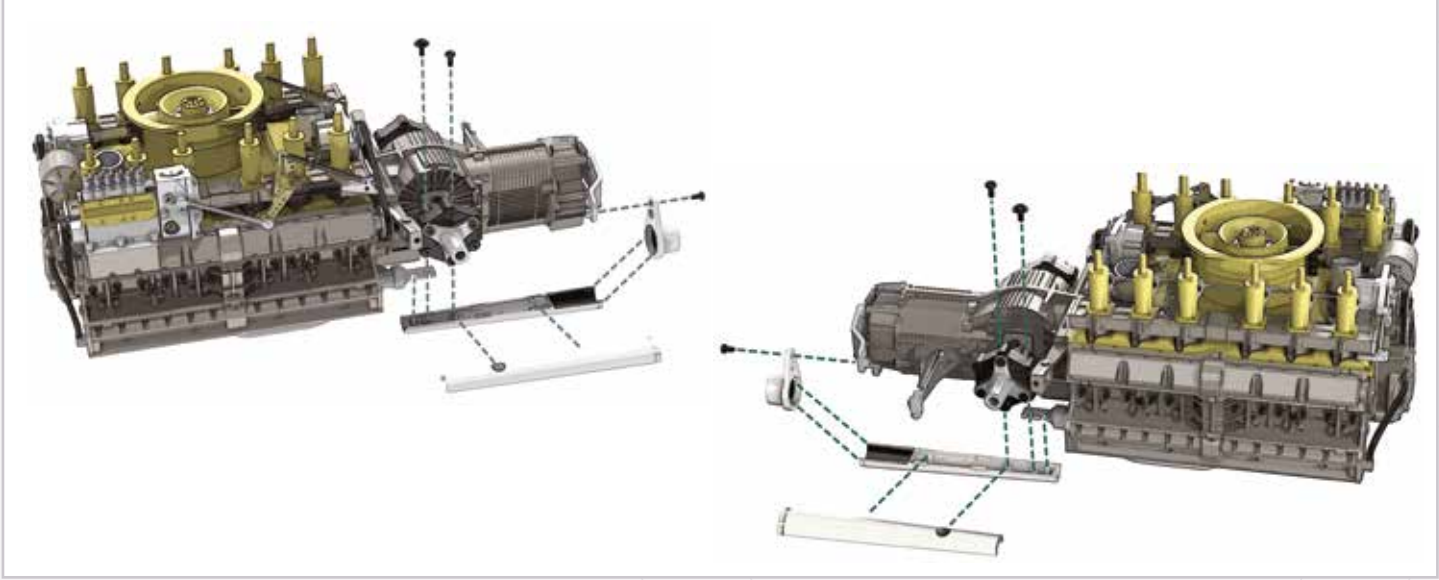
BP M1,7 x4x5mm (x3)

IM M1,7 x3,5mm (x3)



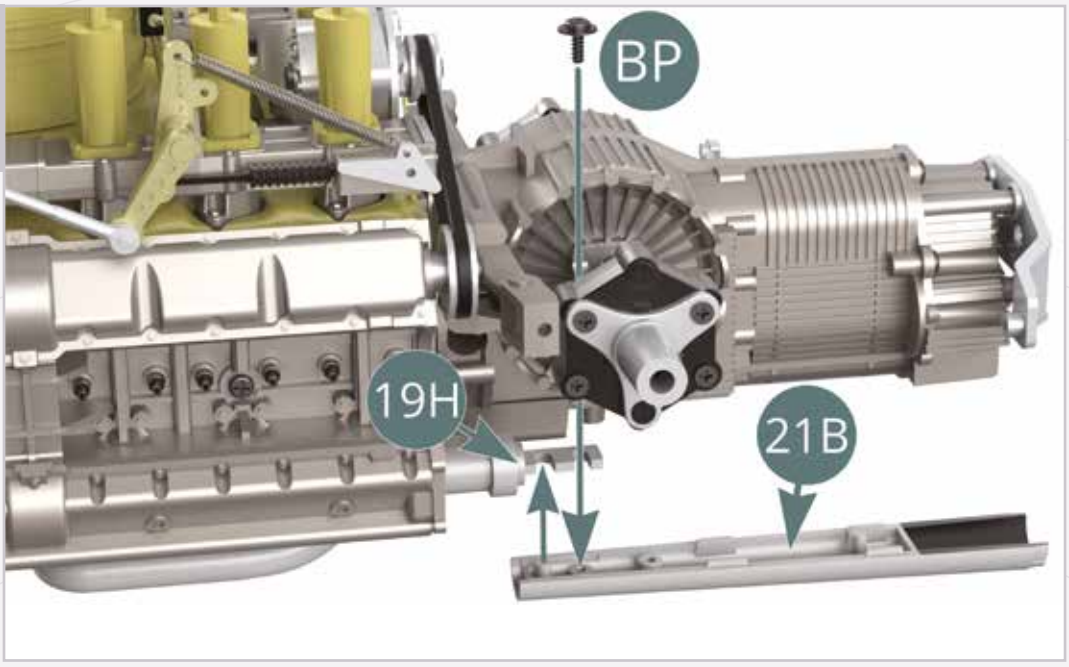
Exhaust pipes installation on the engine

Assembly diagram



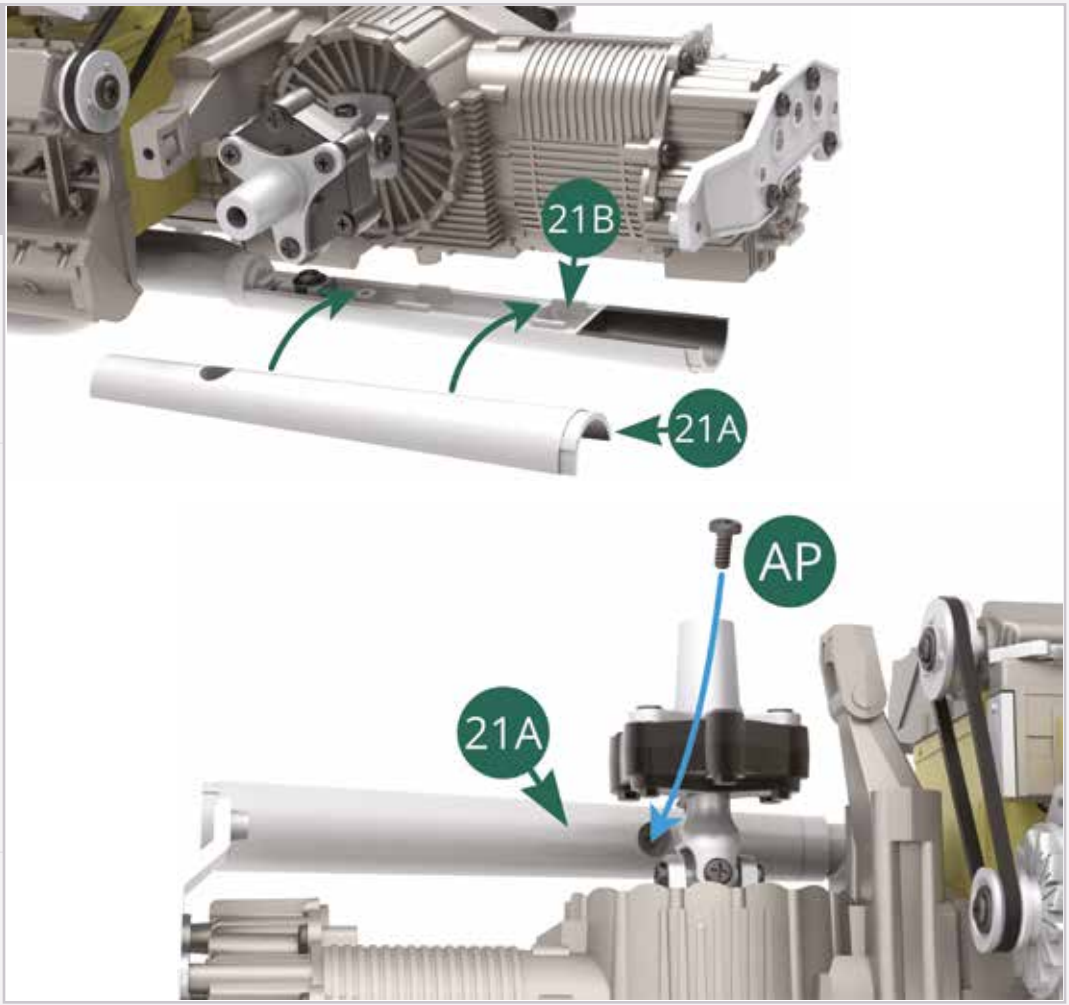
STEP 1

Fit 21B Left lower exhaust pipe to 19H Exhaust manifold and fix with BP screw.



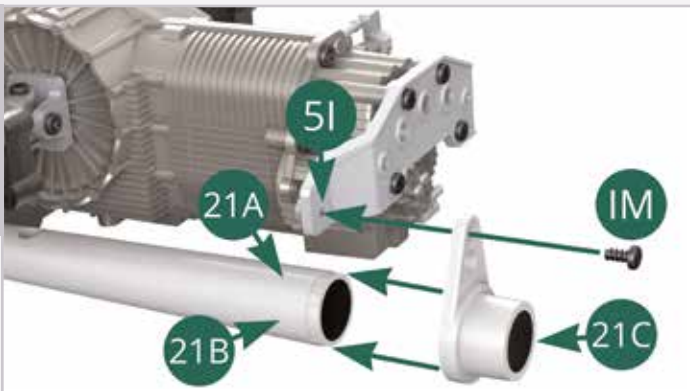
STEP 2

Fit 21A Left upper exhaust pipe on top of 21B Left lower exhaust pipe, and fix with AP screw (upper and lower illustrations).

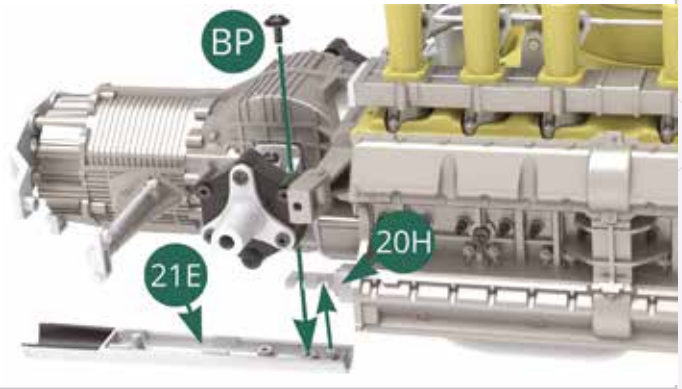


STEP 3

Align and fit 21C Exhaust pipe end bracket to 21A, 21B Exhaust pipe and 5I Exhaust pipe holder, and fix to the latter with IM screw.

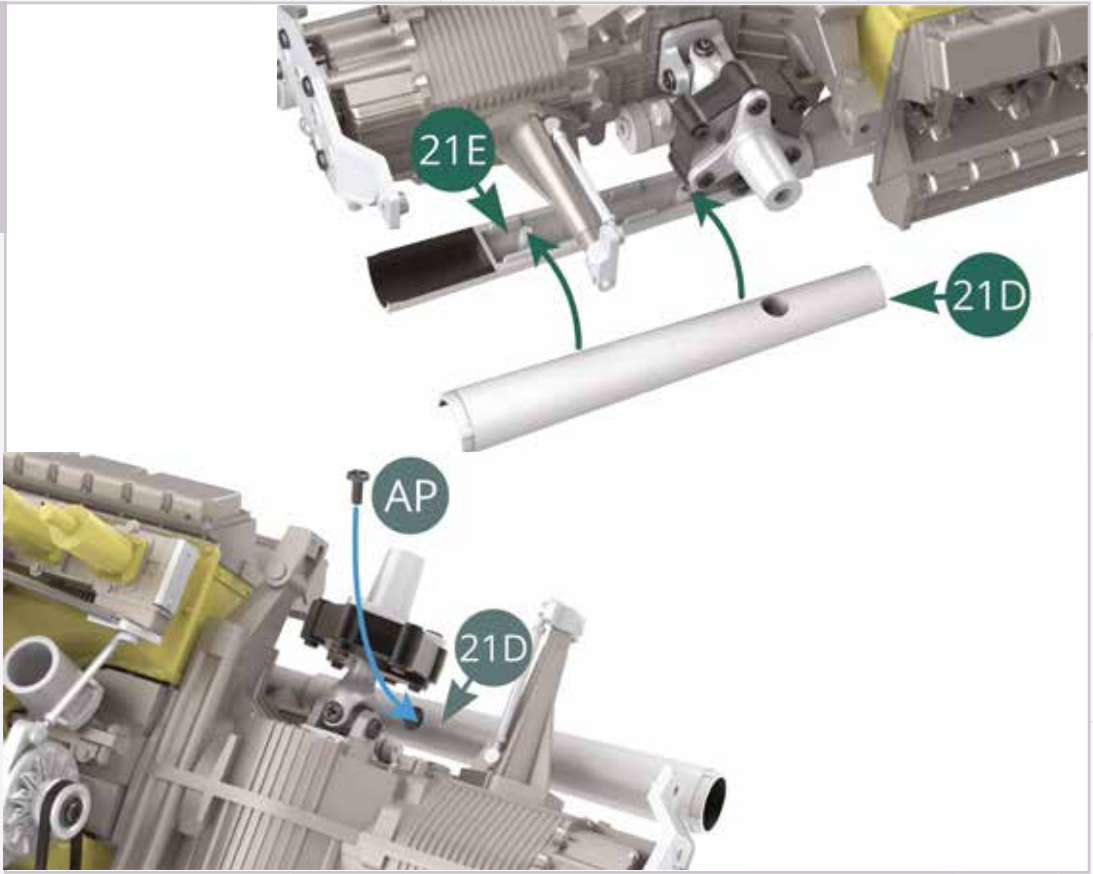


Fit 21E Right lower exhaust pipe to 20H Exhaust manifold and fix with BP screw.



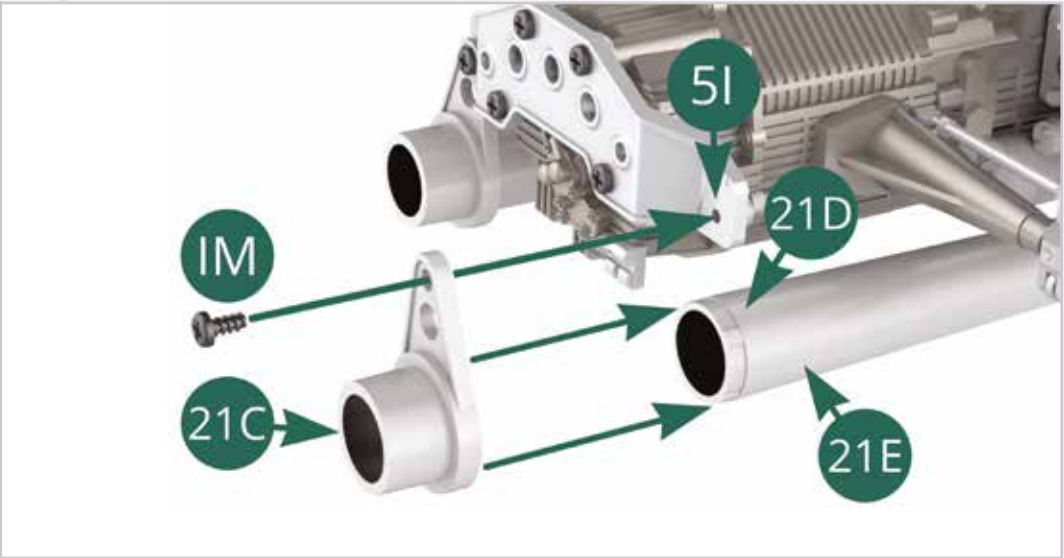
STEP 4

Fit 21D Right upper exhaust pipe on top of 21E Right lower exhaust pipe, and fix with AP screw (upper and lower illustrations).

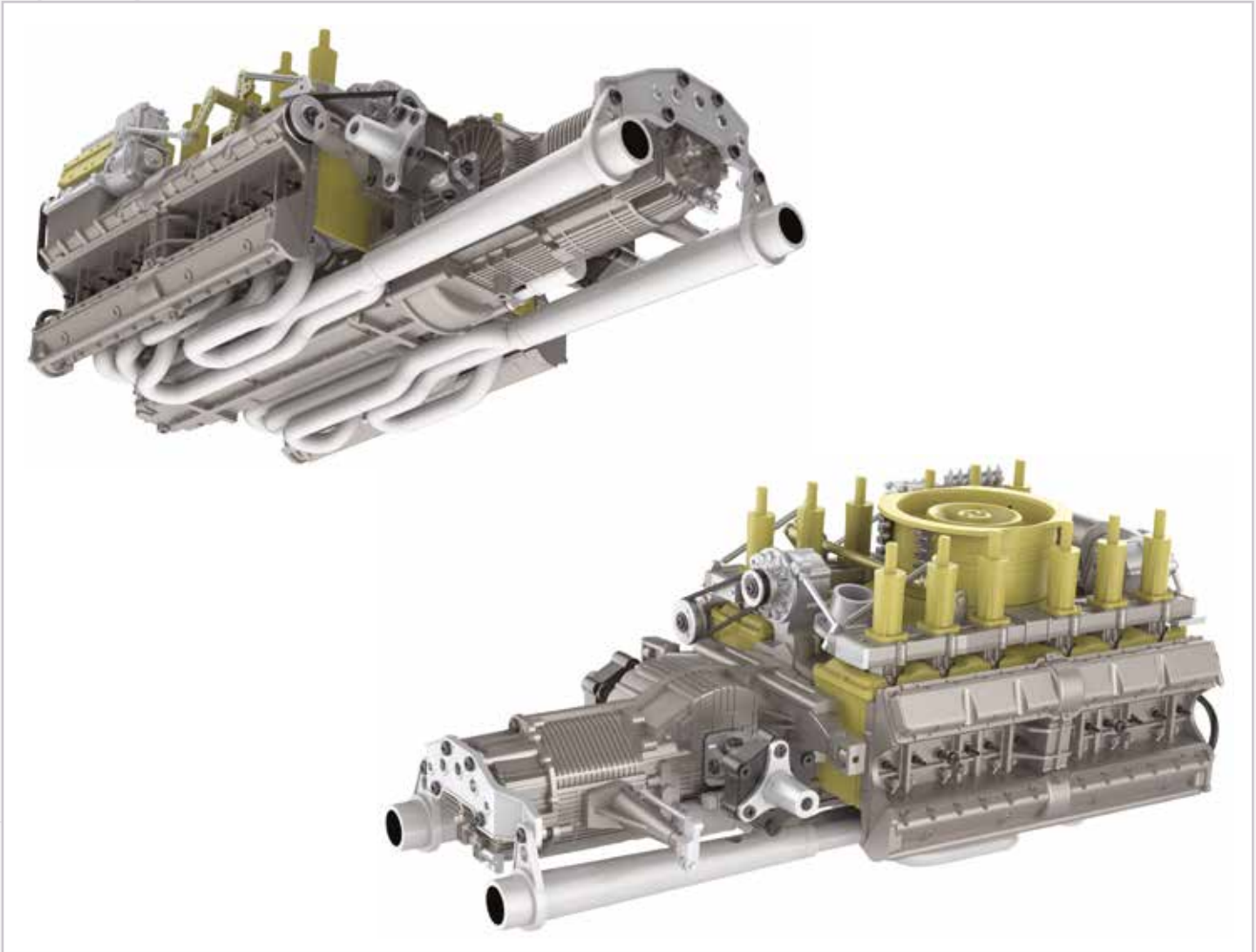


STEP 5

Align and fit 21C Exhaust pipe end bracket to 21D, 21E Exhaust pipe and 5I Exhaust pipe holder, and fix to the latter with IM screw.



GENERAL VIEW



Parts of the issue 22

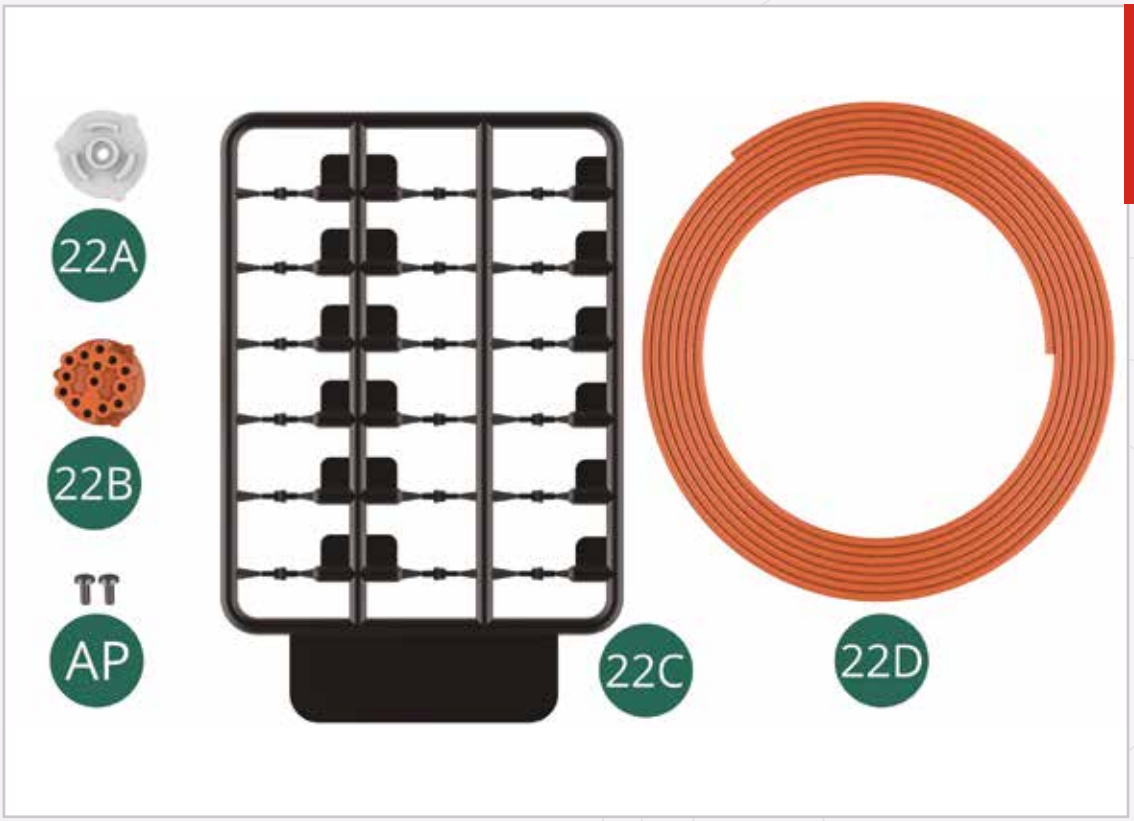
22A Ignition distributor

22B Distributor cover

22C Ignition wire plugs (x18)

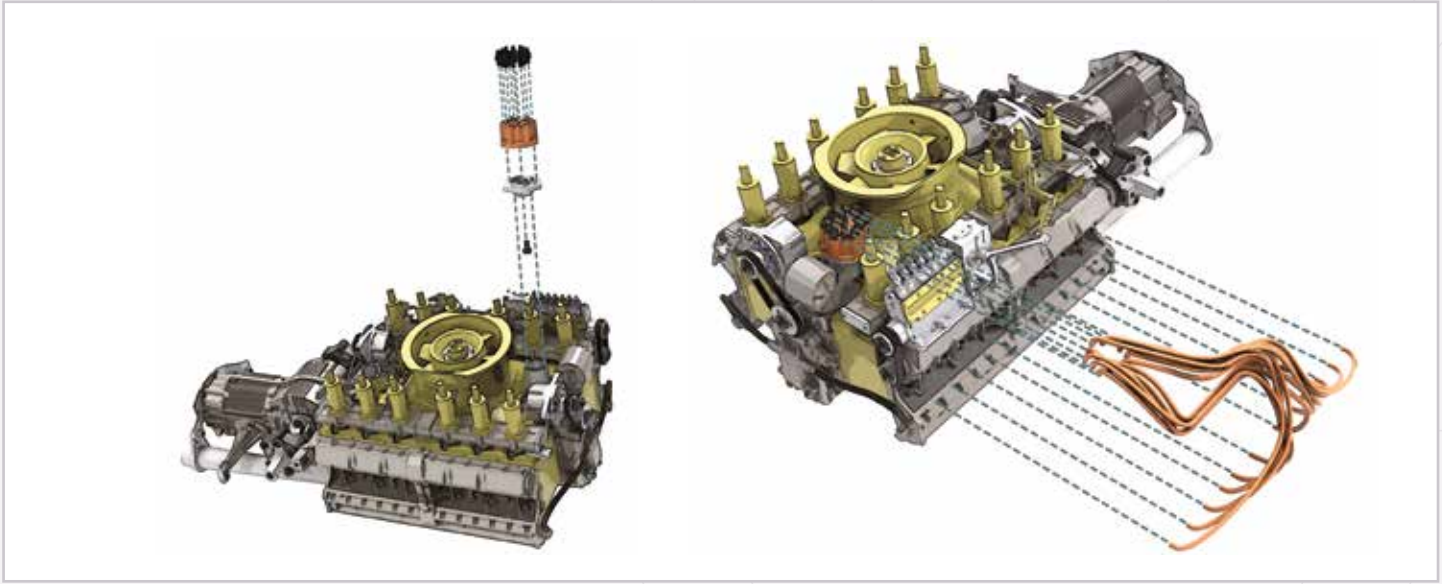
22D Ignition wire (x12)

AP M1,7 x4mm (x2)



Left side Ignition wires and Ignition distributor installation on the engine

Assembly diagram

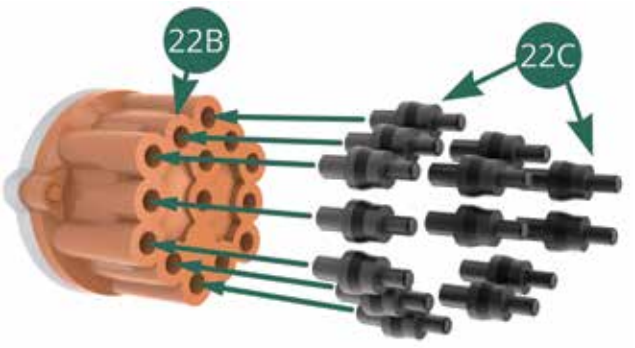


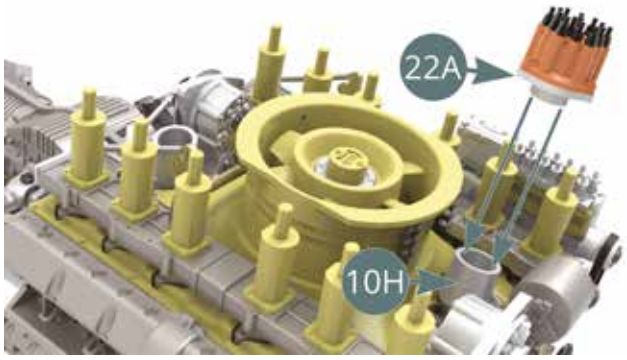
STEP 1

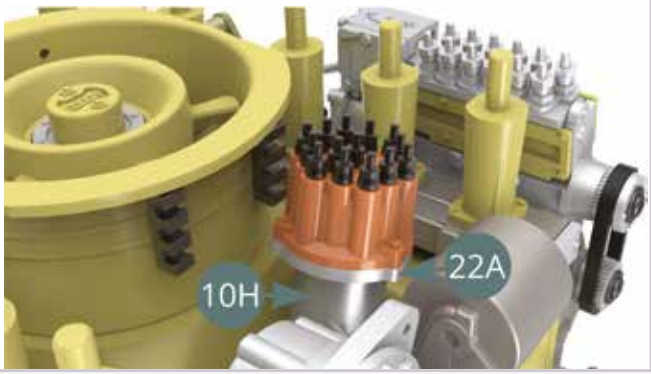
Fit 22B Distributor cover to 22A Ignition distributor and fix with AP screw.
Nip off fourteen 22C Ignition wire plugs from the molded fret.



STEP 2



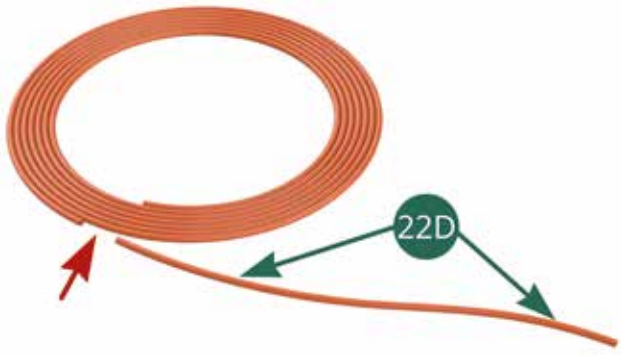




Fit fourteen 22C Ignition wire plugs to 22B Distributor cover.
Fit 22A Ignition distributor to 10H Distributor base, note its orientation when fitted on next illustration.

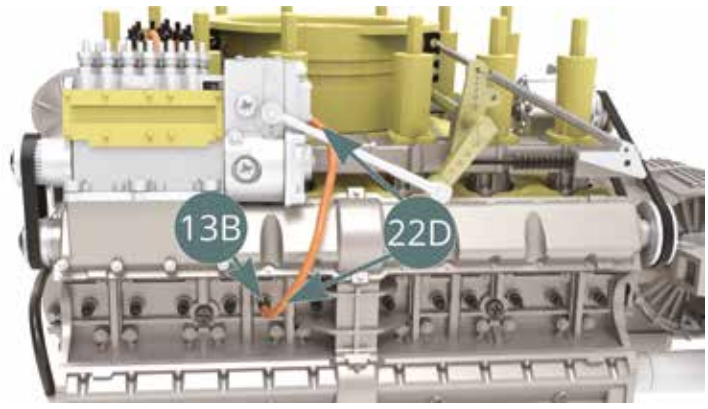
STEP 3

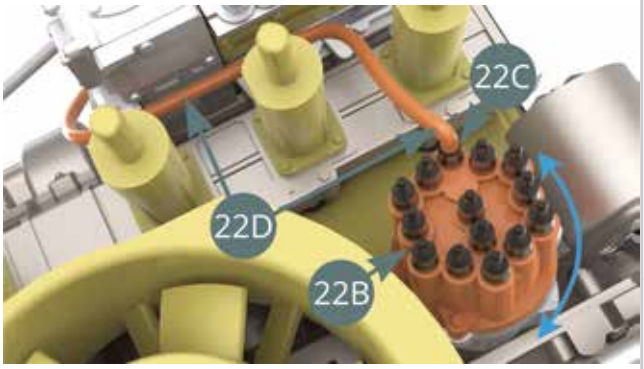
Cut first 22D Ignition wire 100mm long from the Ignition wire roll.



STEP 4

Fit first 22D Ignition wire to 13B Spark plug (upper illustration), then lead and fit to 22C Ignition wire plug (lower illustration).

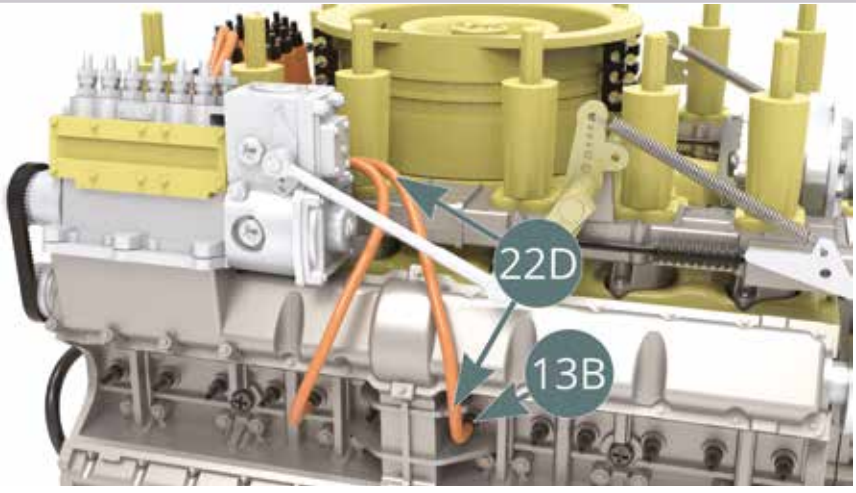


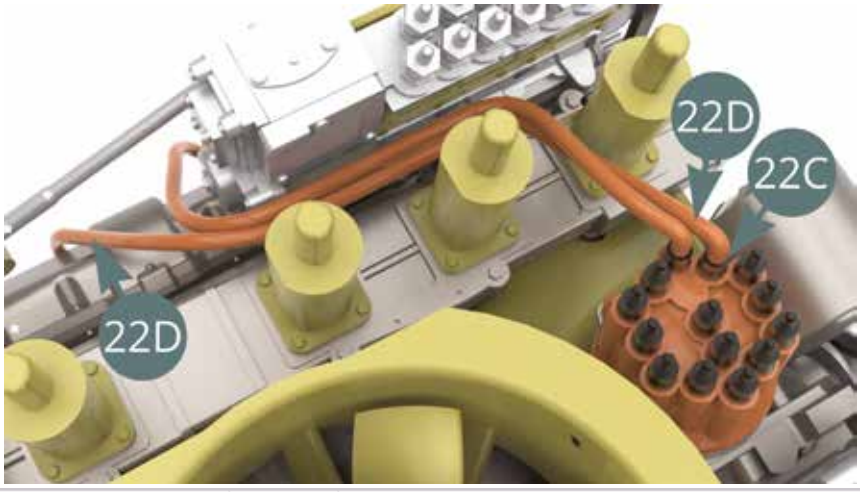


Turn 22B distributor cover (blue arrow) to match its below illustrated position.

STEP 5

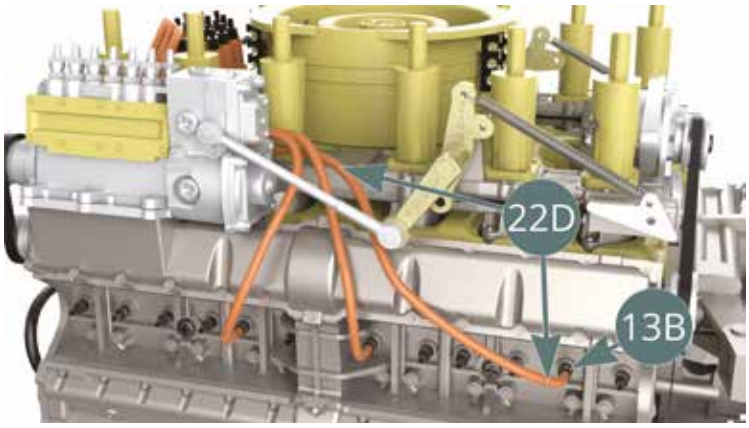
Cut second 22D Ignition wire 100mm long from the Ignition wire roll and fit it to next 13B Spark plug (upper illustration), then lead and fit to 22C Ignition wire plug (lower illustration).

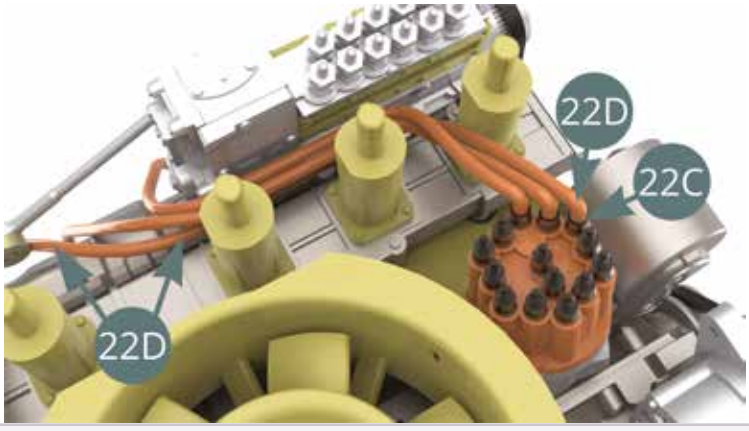




STEP 6

Cut third 22D Ignition wire 120mm long from the Ignition wire roll and fit it to next 13B Spark plug (upper illustration), then lead and fit to 22C Ignition wire plug (lower illustration).

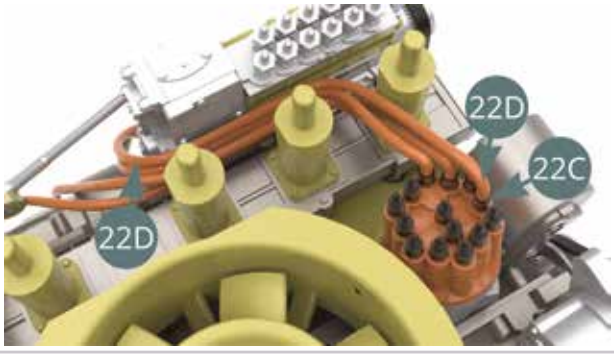




STEP 7

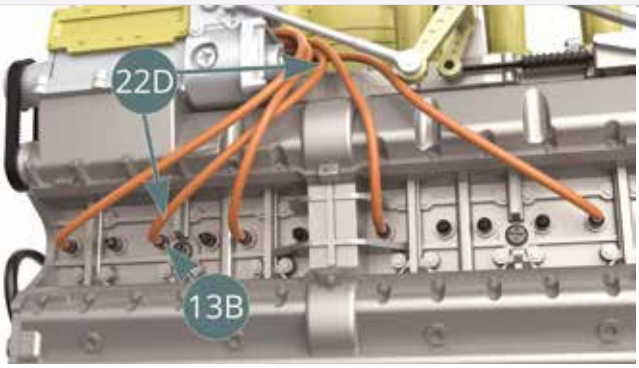
Cut fourth 22D Ignition wire 125mm long from the Ignition wire roll and fit it to next 13B Spark plug (upper illustration), then lead and fit to 22C Ignition wire plug (lower illustration).





STEP 8

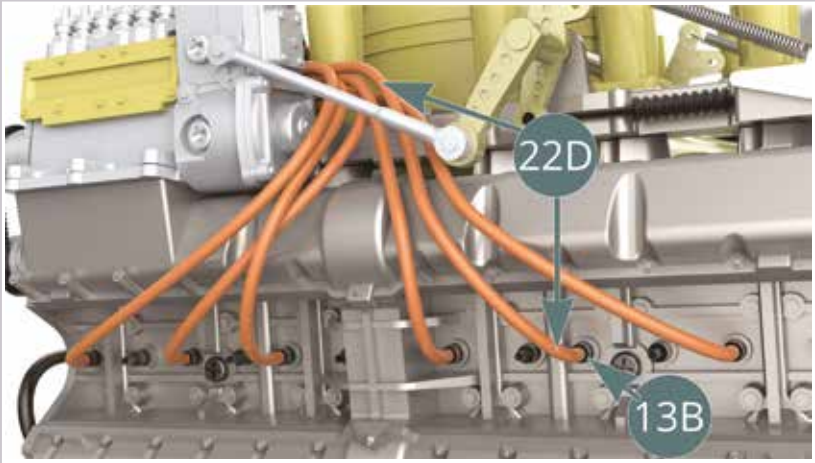
Cut fifth 22D Ignition wire 120mm long from the Ignition wire roll and fit it to next 13B Spark plug (upper illustration), then lead and fit to 22C Ignition wire plug (lower illustration).

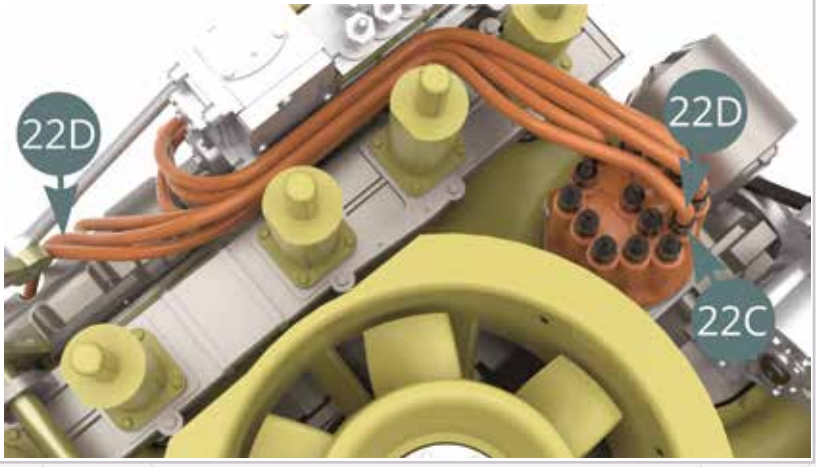




STEP 9

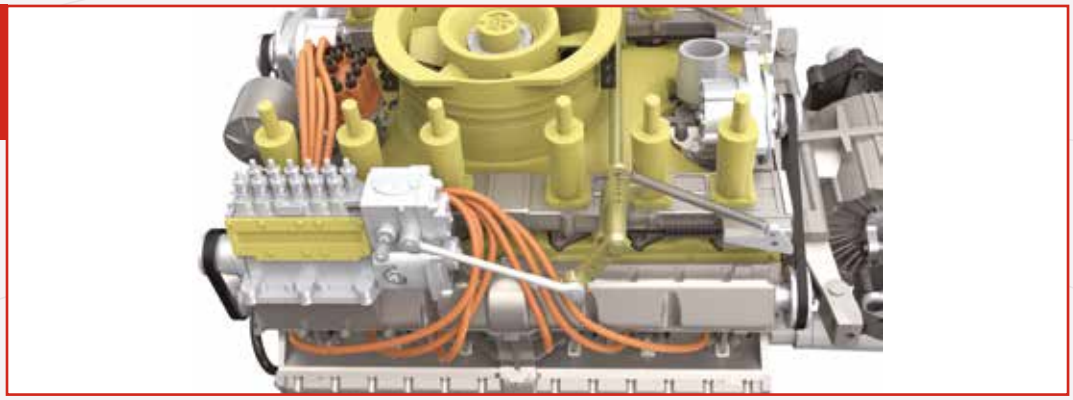
Cut sixth 22D Ignition wire 120mm long from the Ignition wire roll and fit it to next 13B Spark plug (upper illustration), then lead and fit to 22C Ignition wire plug (lower illustration).





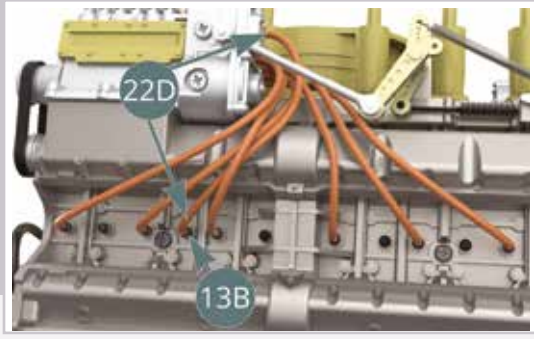
STEP 10

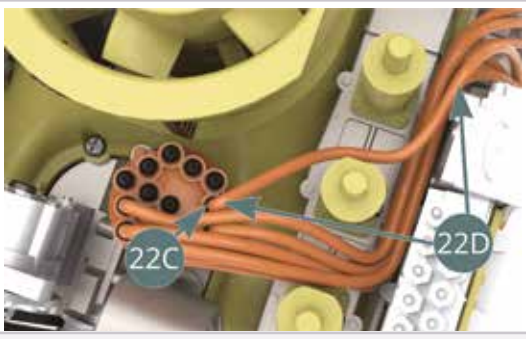
First six 22D Ignition wires are attached to the engine



STEP 11

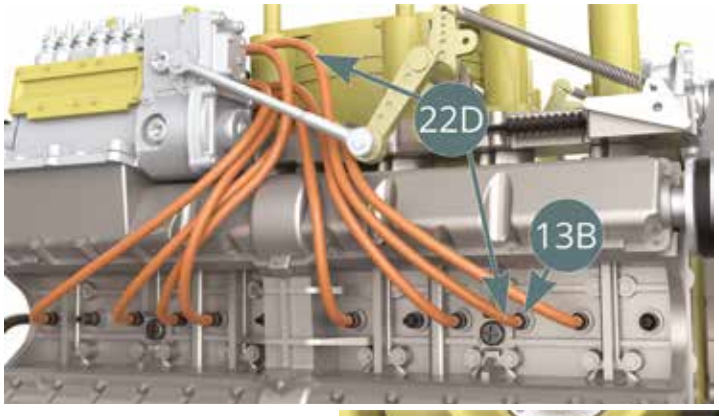
Cut seventh 22D Ignition wire 100mm long from the Ignition wire roll and fit it to next 13B Spark plug (upper illustration), then lead and fit to 22C Ignition wire plug (lower illustration).

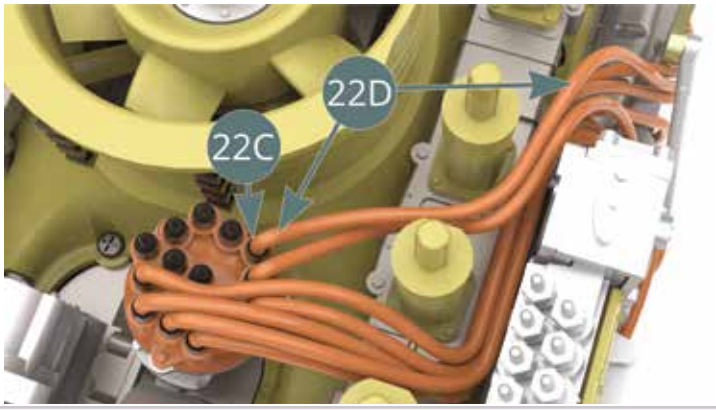




STEP 12

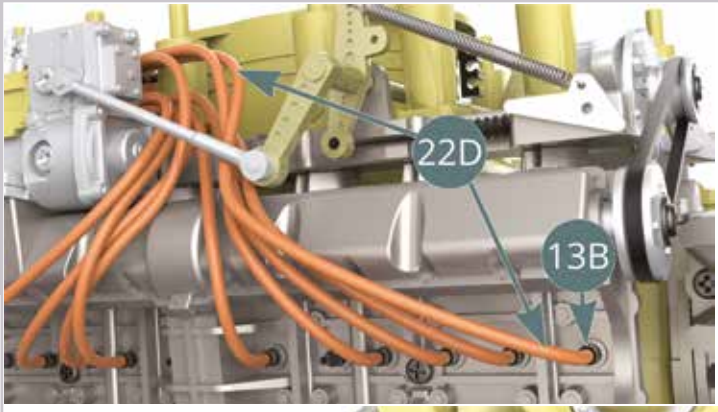
Cut eigth 22D Ignition wire 105mm long from the Ignition wire roll and fit it to next 13B Spark plug (upper illustration), then lead and fit to 22C Ignition wire plug (lower illustration).

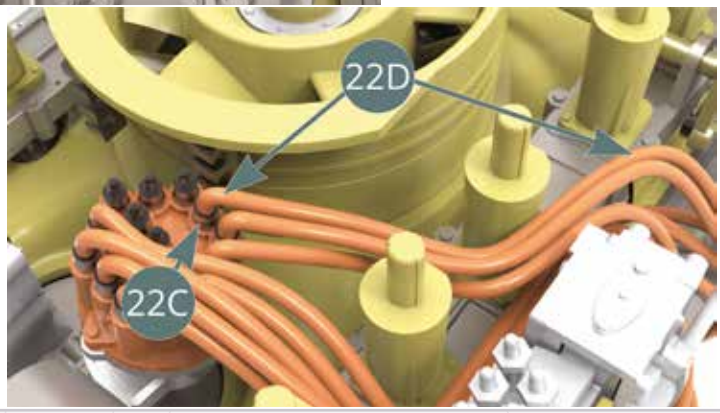




STEP 13

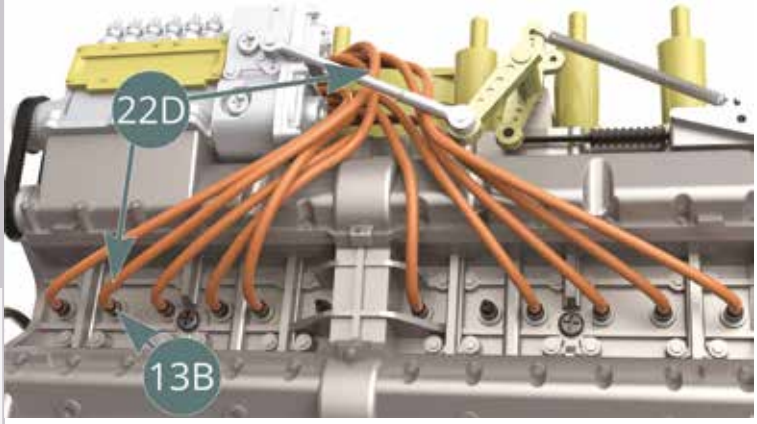
Cut nineth 22D Ignition wire 120mm long from the Ignition wire roll and fit it to next 13B Spark plug (upper illustration), then lead and fit to 22C Ignition wire plug (lower illustration).

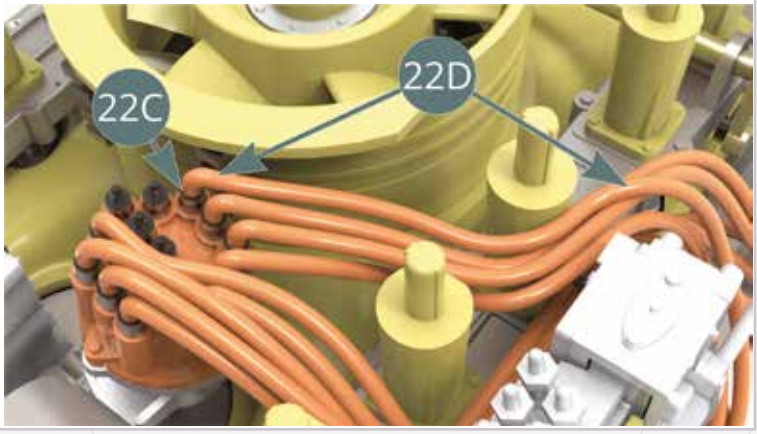




STEP 14

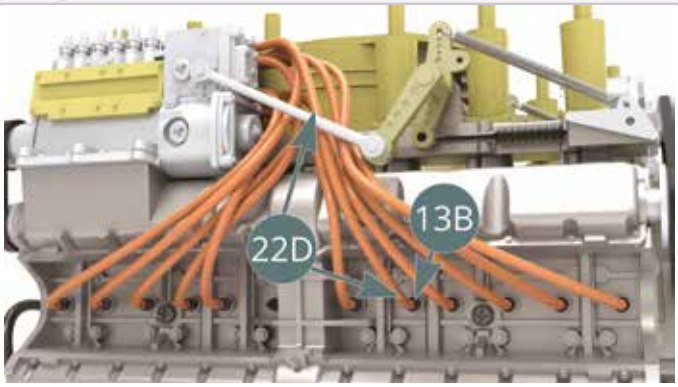
Cut tenth 22D Ignition wire 115mm long from the Ignition wire roll and fit it to next 13B Spark plug (upper illustration), then lead and fit to 22C Ignition wire plug (lower illustration).

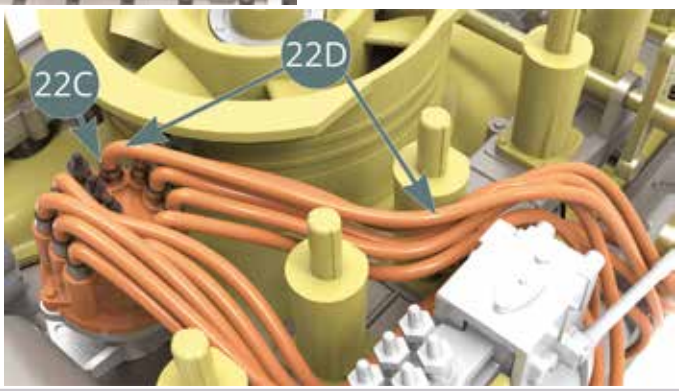




STEP 15

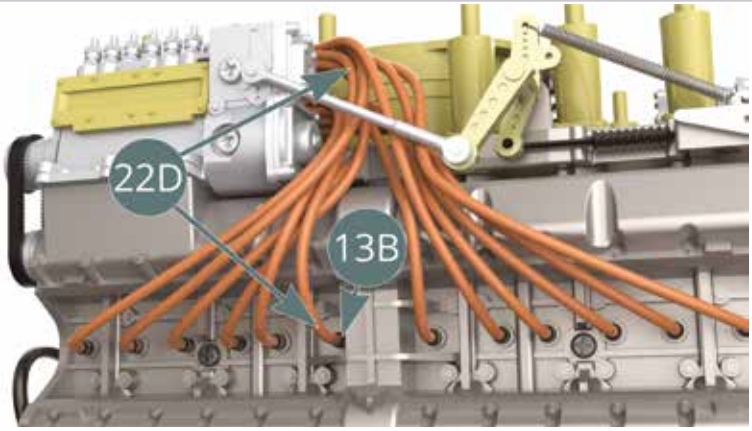
Cut eleventh 22D Ignition wire 105mm long from the Ignition wire roll and fit it to next 13B Spark plug (upper illustration), then lead and fit to 22C Ignition wire plug (lower illustration).

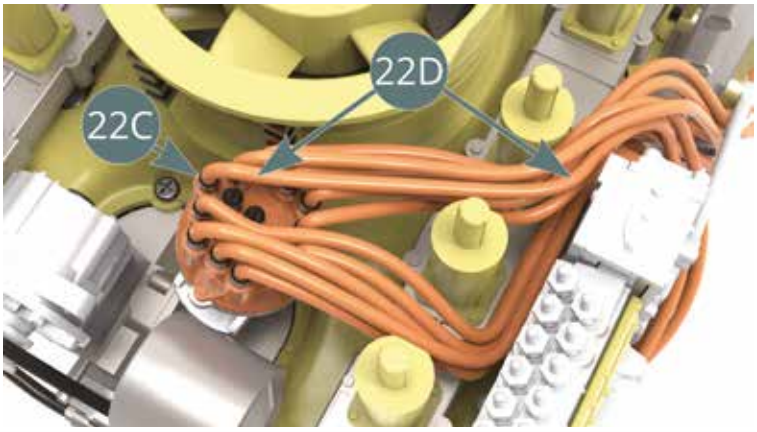




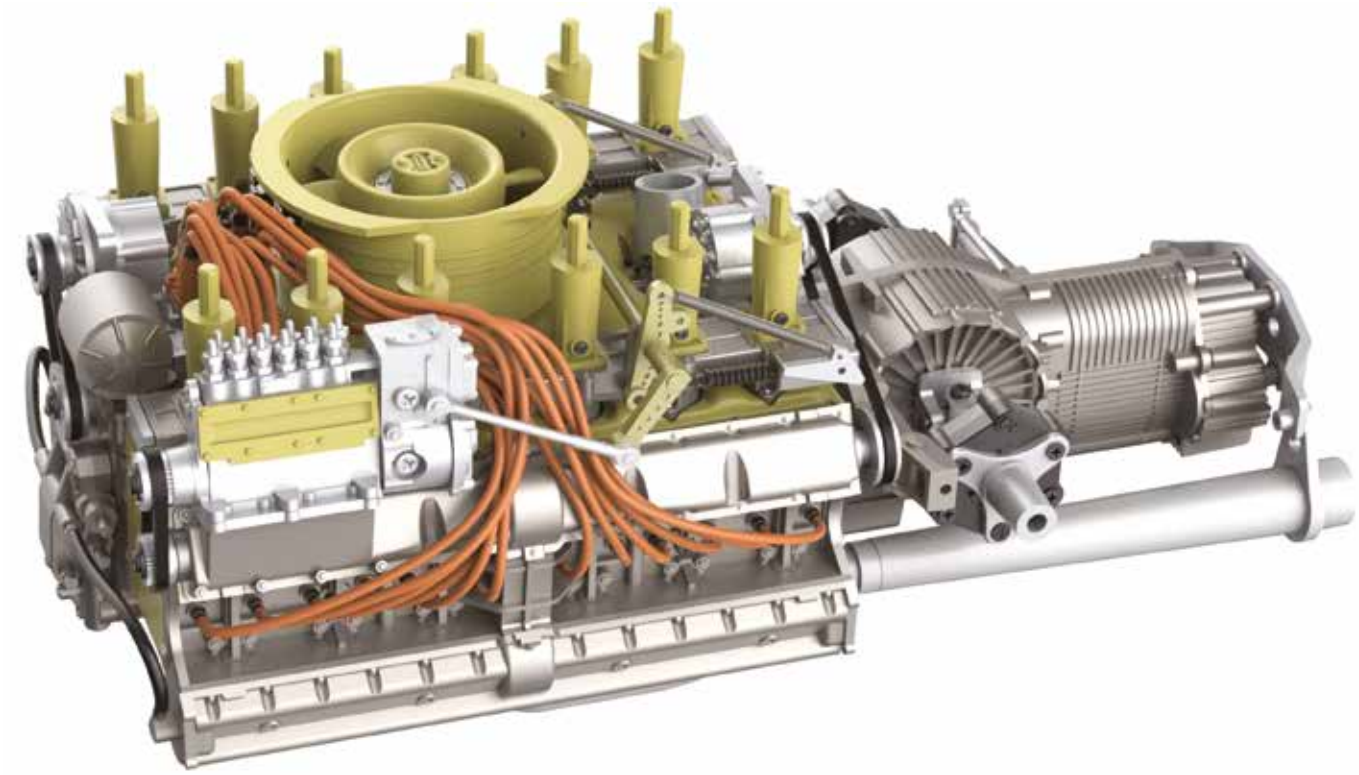
STEP 16

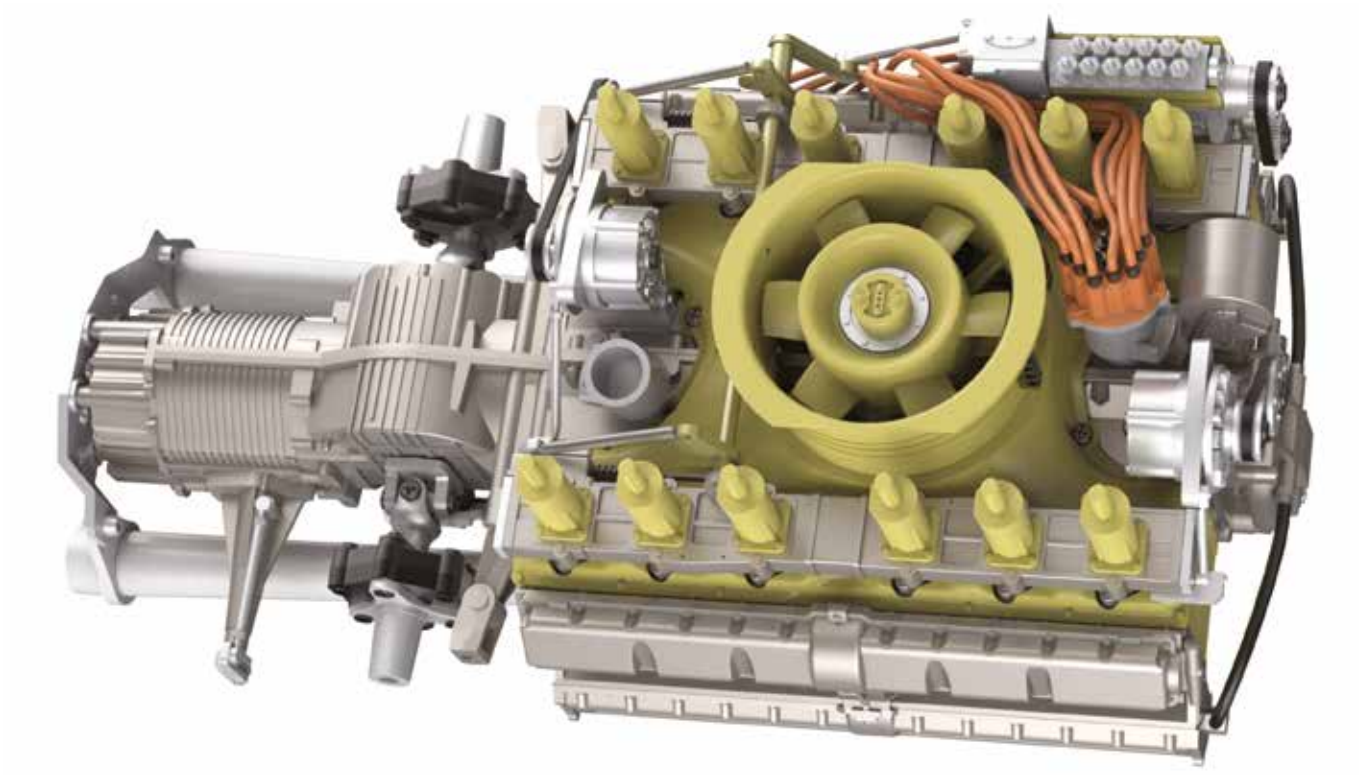
Cut twelveth 22D Ignition wire 105mm long from the Ignition wire roll and fit it to next 13B Spark plug (upper illustration), then lead and fit to 22C Ignition wire plug (lower illustration).





General view





Parts of the issue 23

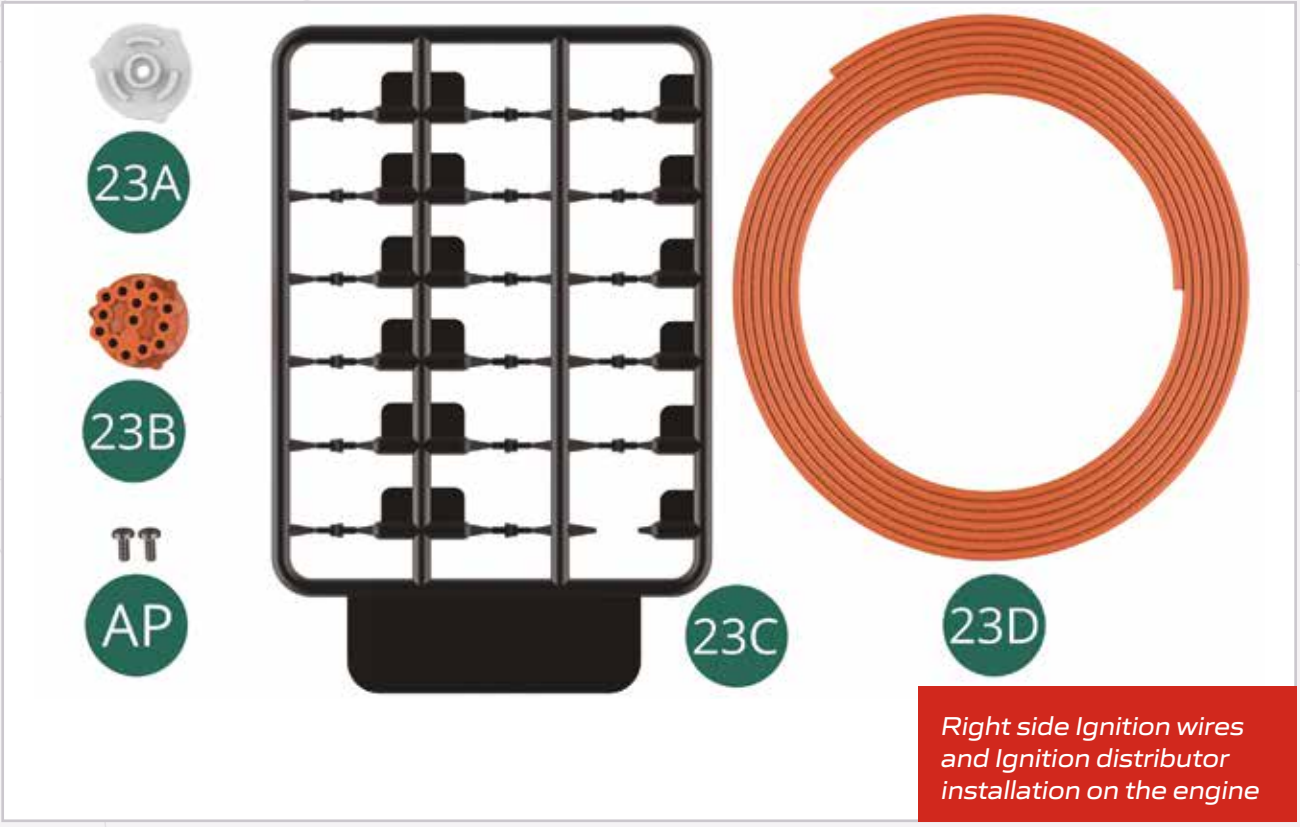
23A Ignition distributor

23B Distributor cover

23C Ignition wire plugs (x17)

23D Ignition wire (x 12) on a roll

AP M1,7 x4mm (x2)



Right side Ignition wires and Ignition distributor installation on the engine

Assembly diagram



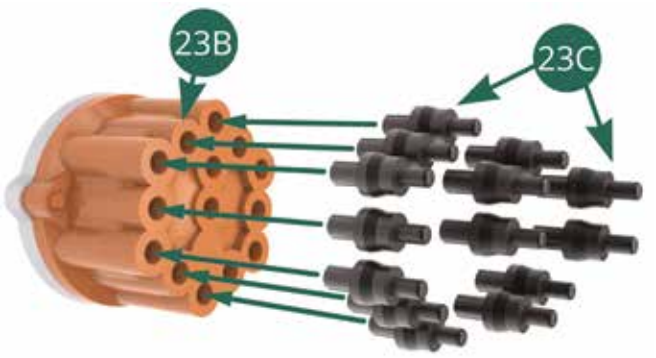
STEP 1

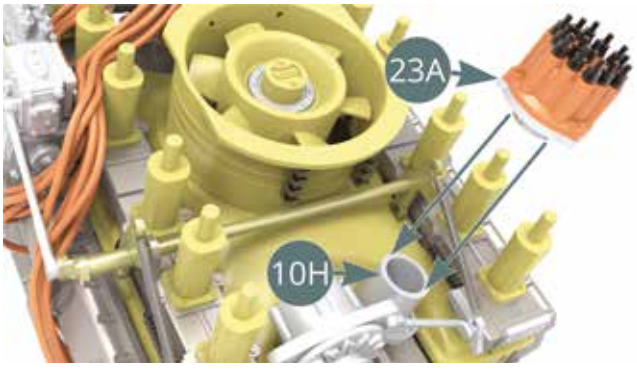
Fit 23B Distributor cover to 23A Ignition distributor and fix with AP screw. Nip off fourteen 23C Ignition wire plugs from the molded fret.

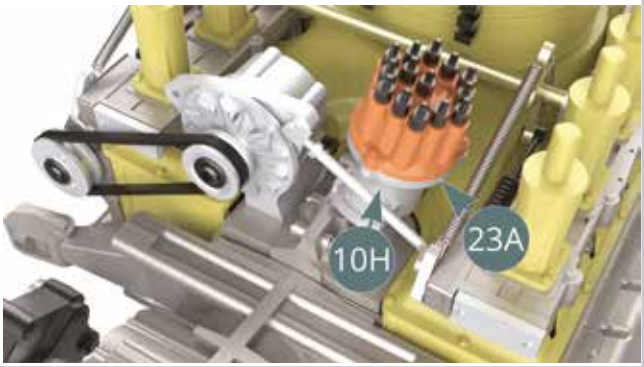


STEP 2

Fit fourteen 23C Ignition wire plugs to 23B Distributor cover. Fit 23A Ignition distributor to 10H Distributor base, note its orientation when fitted on next illustration.

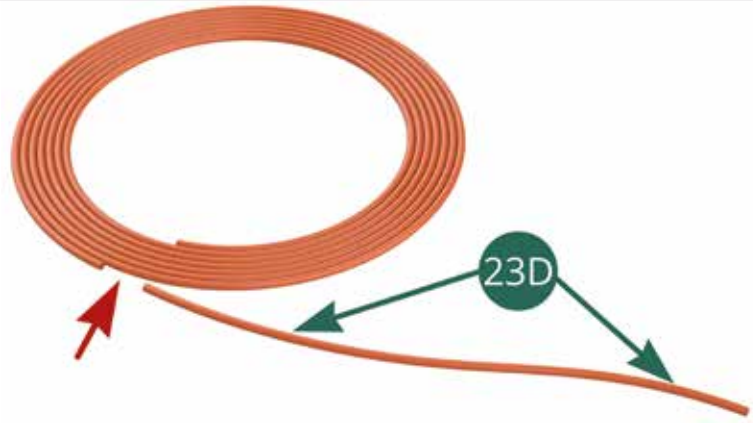






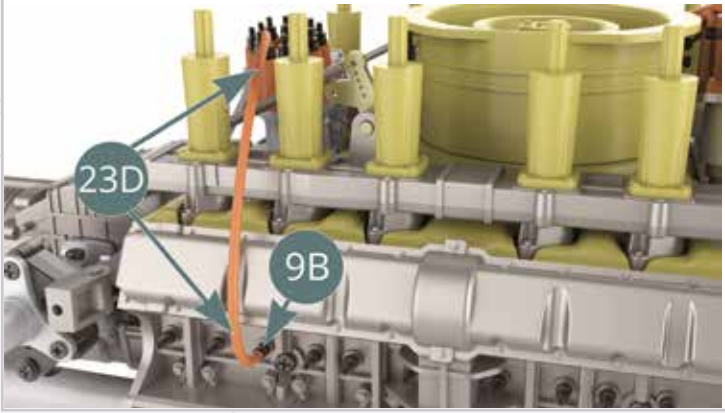
STEP 3

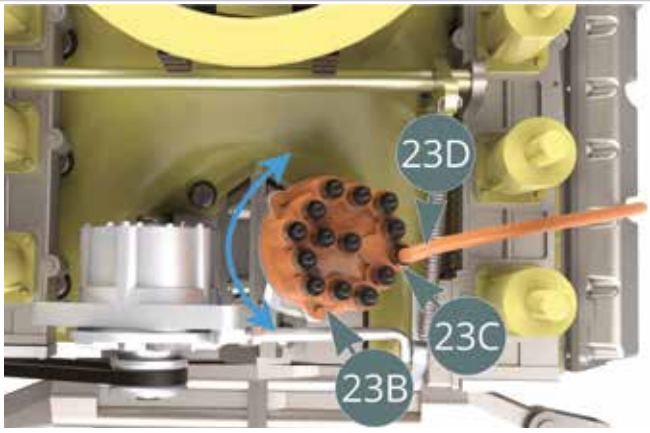
Cut first 23D Ignition wire 75mm long from the Ignition wire roll.



STEP 4

Fit first 23D Ignition wire to 9B Spark plug (upper illustration), then lead and fit to 23C Ignition wire plug (lower illustration).

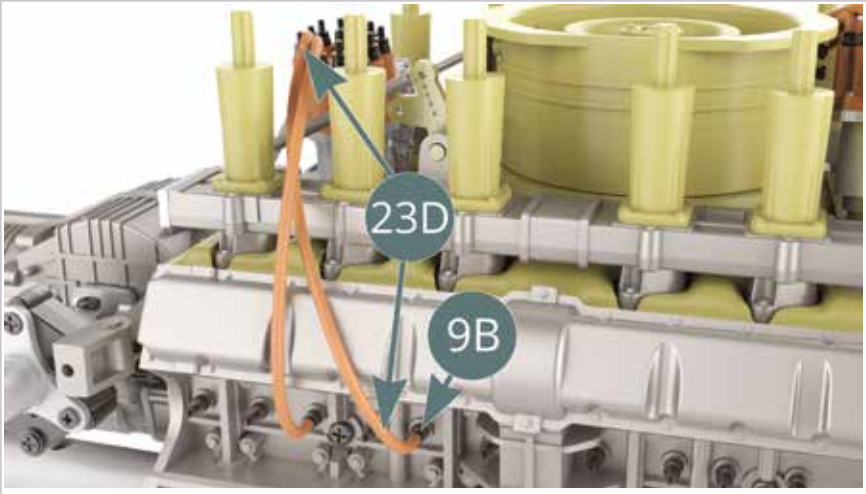


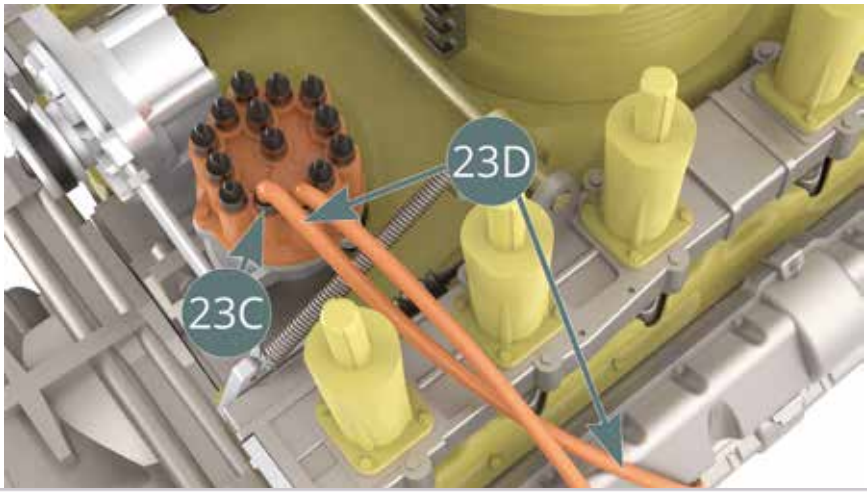


Turn 23B distributor cover (blue arrow) to match its below illustrated position.

STEP 5

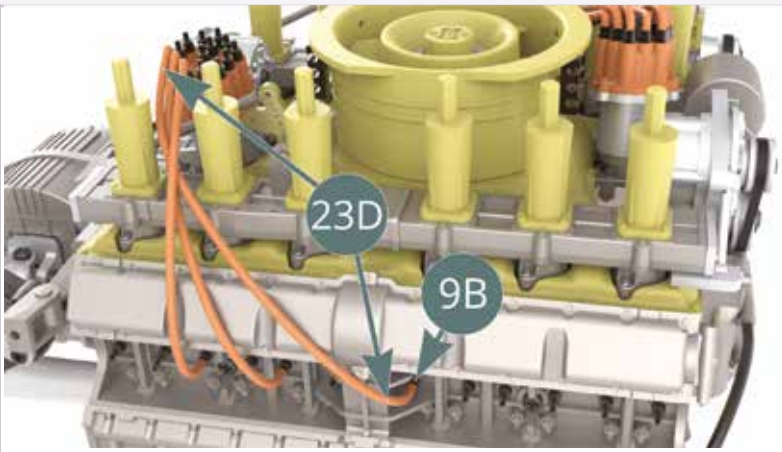
Cut second 23D Ignition wire 82 mm long from the Ignition wire roll and fit it to next 9B Spark plug (upper illustration), then lead and fit to 23C Ignition wire plug (lower illustration).

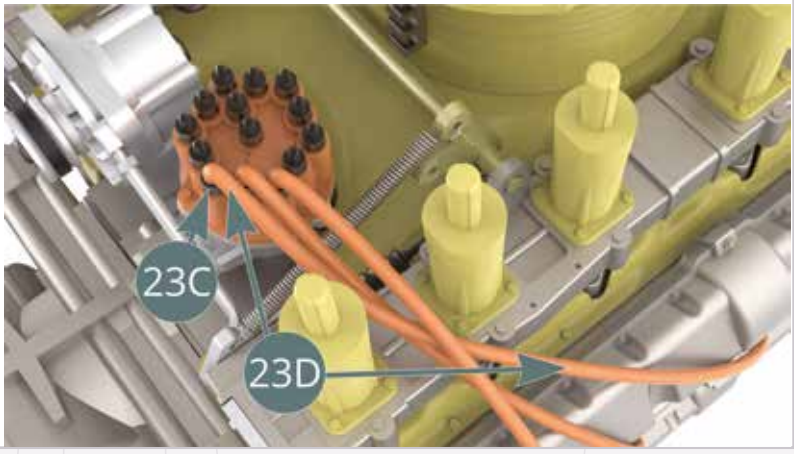




STEP 6

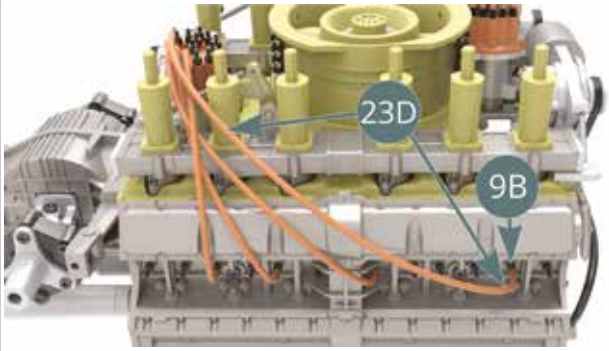
Cut third 23D Ignition wire 98 mm long from the Ignition wire roll and fit it to next 9B Spark plug (upper illustration), then lead and fit to 23C Ignition wire plug (lower illustration).

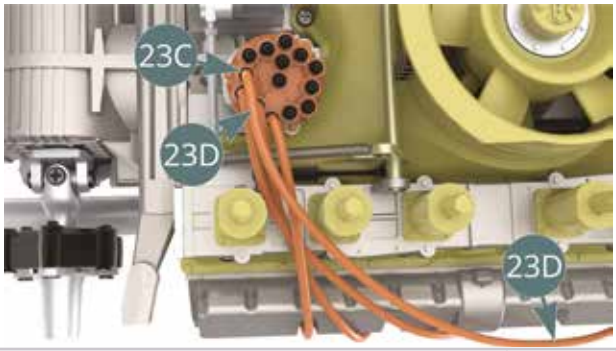




STEP 7

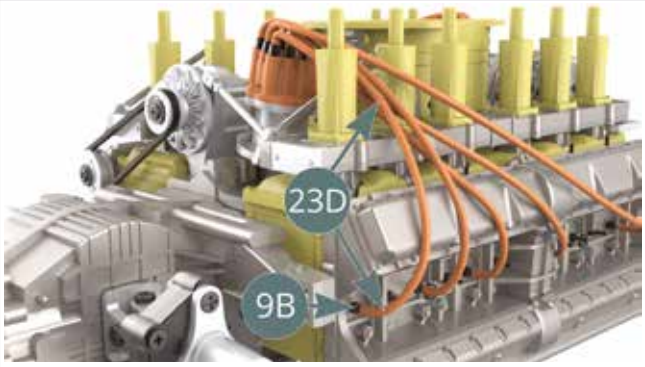
Cut fourth 23D Ignition wire 120 mm long from the Ignition wire roll and fit it to next 9B Spark plug (upper illustration), then lead and fit to 23C Ignition wire plug (lower illustration).

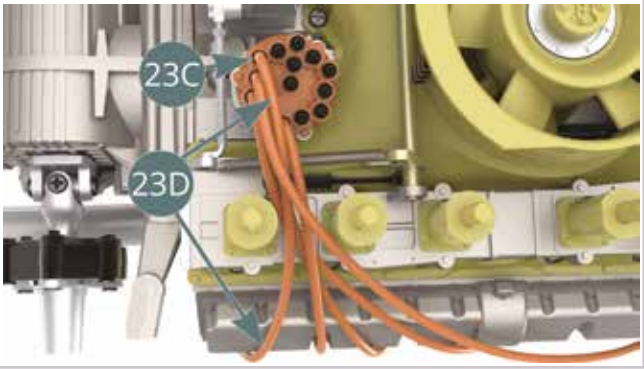




STEP 8

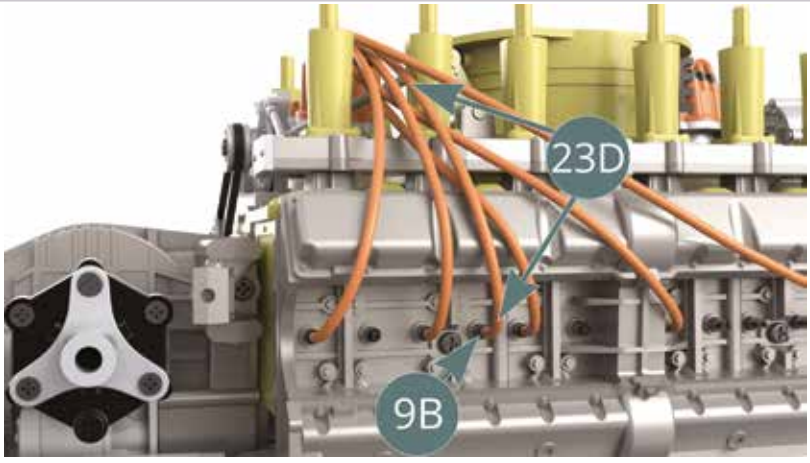
Cut fifth 23D Ignition wire 85mm long from the Ignition wire roll and fit it to next 9B Spark plug (upper illustration), then lead and fit to 23C Ignition wire plug (lower illustration).

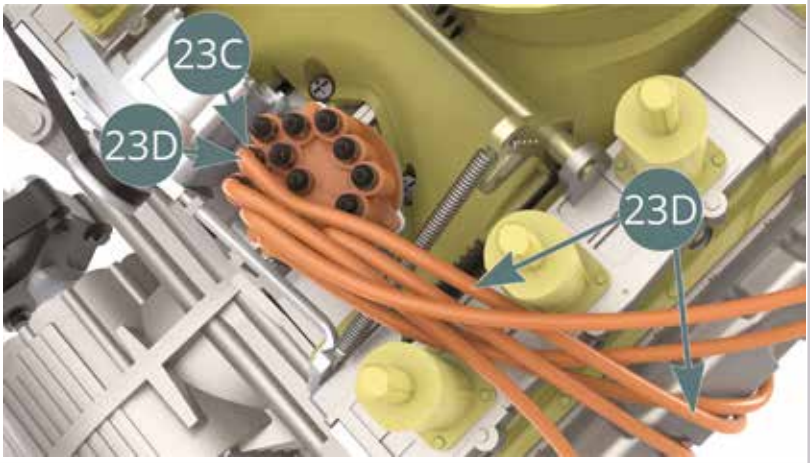




STEP 9

Cut sixth 23D Ignition wire 90 mm long from the Ignition wire roll and fit it to next 9B Spark plug (upper illustration), then lead and fit to 23C Ignition wire plug (lower illustration).





STEP 10

First six 23D Ignition wires are attached to the right side of the engine



STEP 11

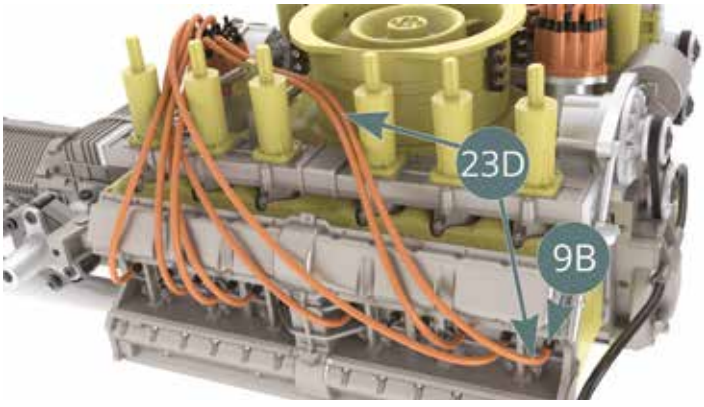
Cut seventh 23D Ignition wire 105mm long from the Ignition wire roll and fit it to next 9B Spark plug (upper illustration), then lead and fit to 23C Ignition wire plug (lower illustration).

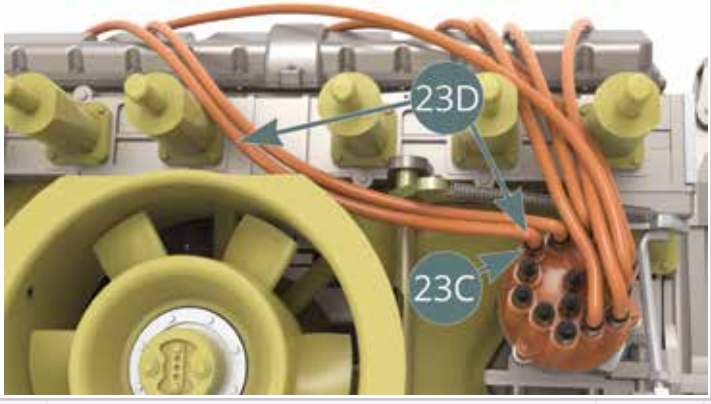




STEP 12

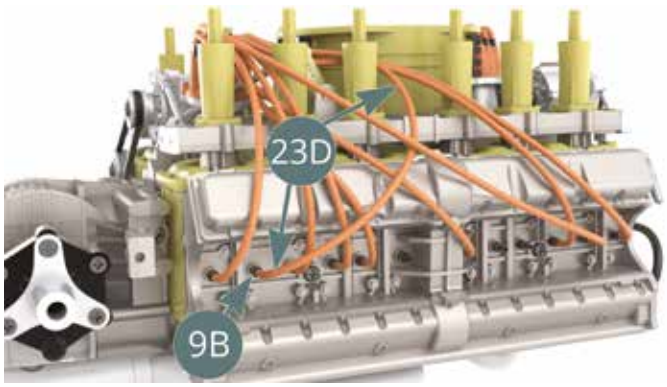
Cut eigth 23D Ignition wire 115 mm long from the Ignition wire roll and fit it to next 9B Spark plug (upper illustration), then lead and fit to 23C Ignition wire plug (lower illustration).

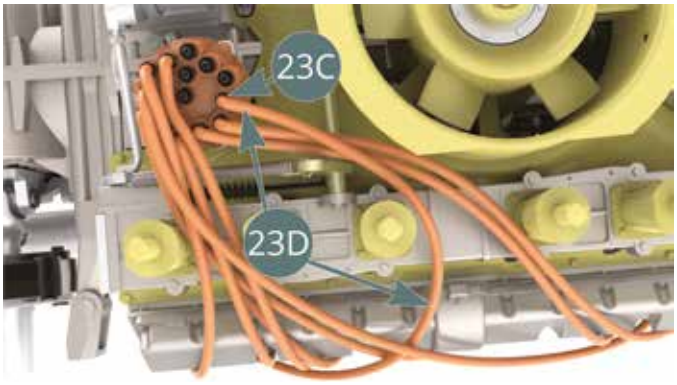




STEP 13

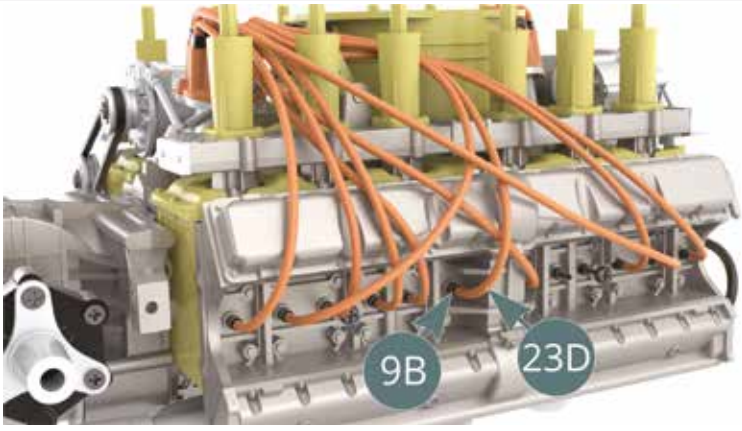
Cut nineth 23D Ignition wire 105mm long from the Ignition wire roll and fit it to next 9B Spark plug (upper illustration), then lead and fit to 23C Ignition wire plug (lower illustration).





STEP 14

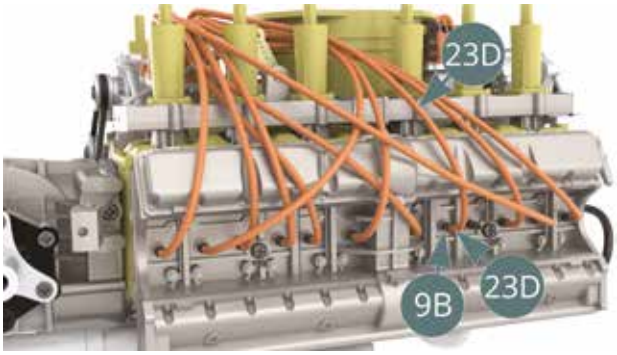
Cut tenth 23D Ignition wire 95 mm long from the Ignition wire roll and fit it to next 9B Spark plug (upper illustration), then lead and fit to 23C Ignition wire plug (lower illustration).

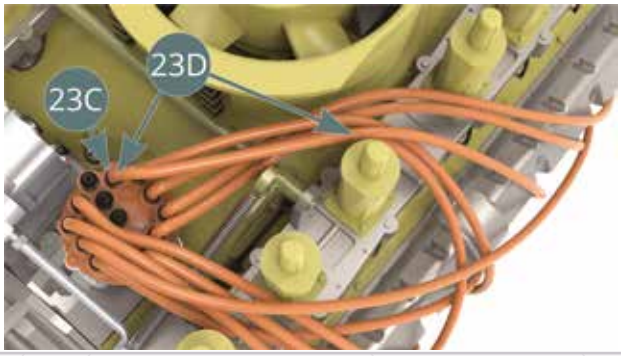




STEP 15

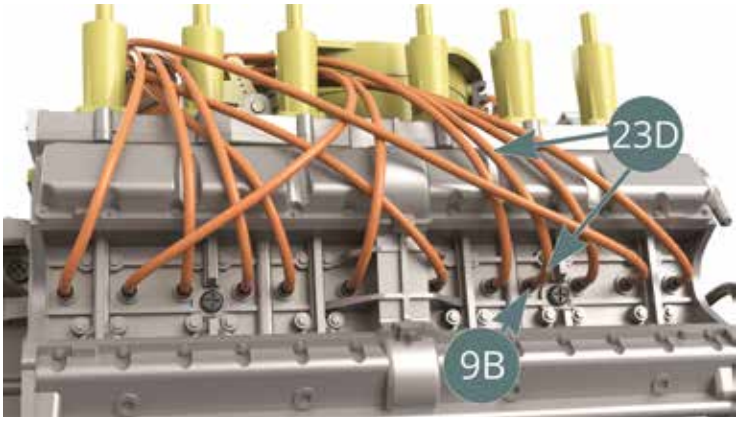
Cut eleventh 23D Ignition wire 105 mm long from the Ignition wire roll and fit it to next 9B Spark plug (upper illustration), then lead and fit to 23C Ignition wire plug (lower illustration).





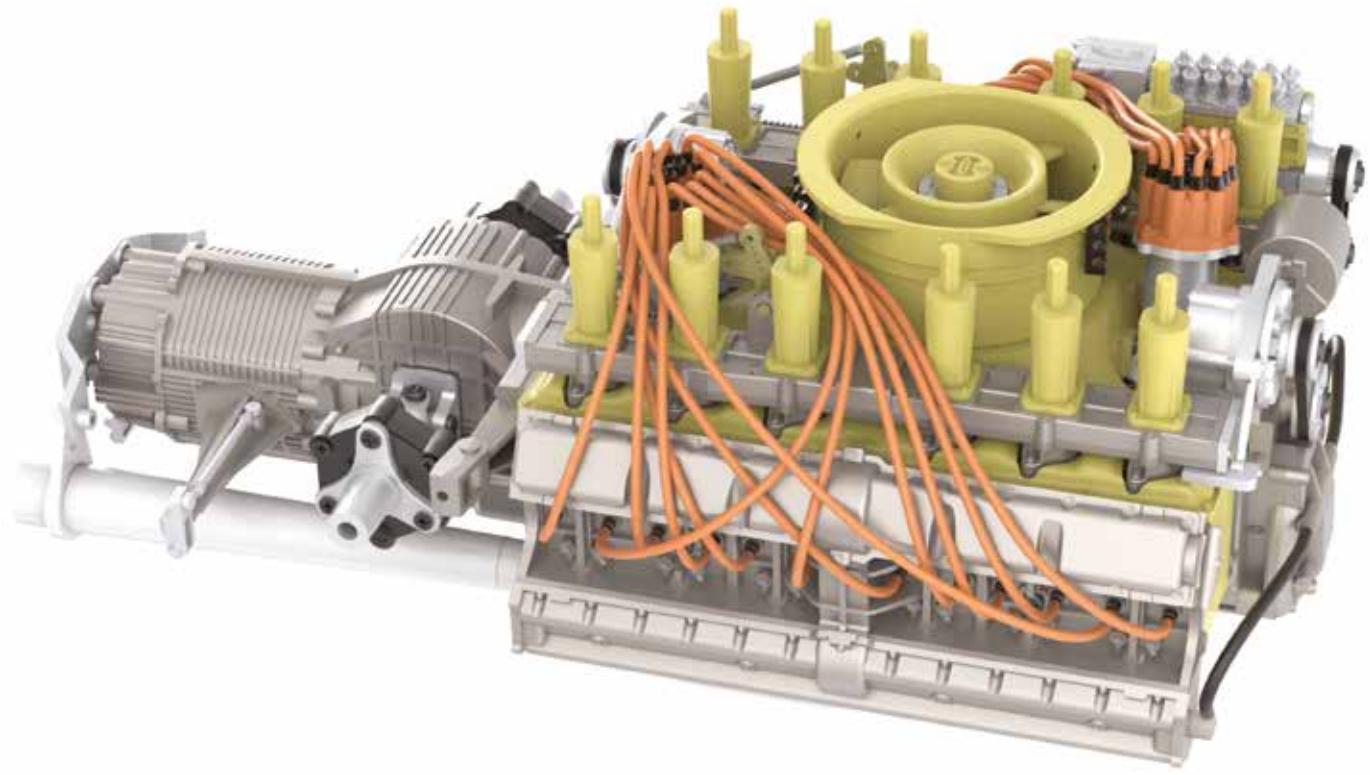
STEP 16

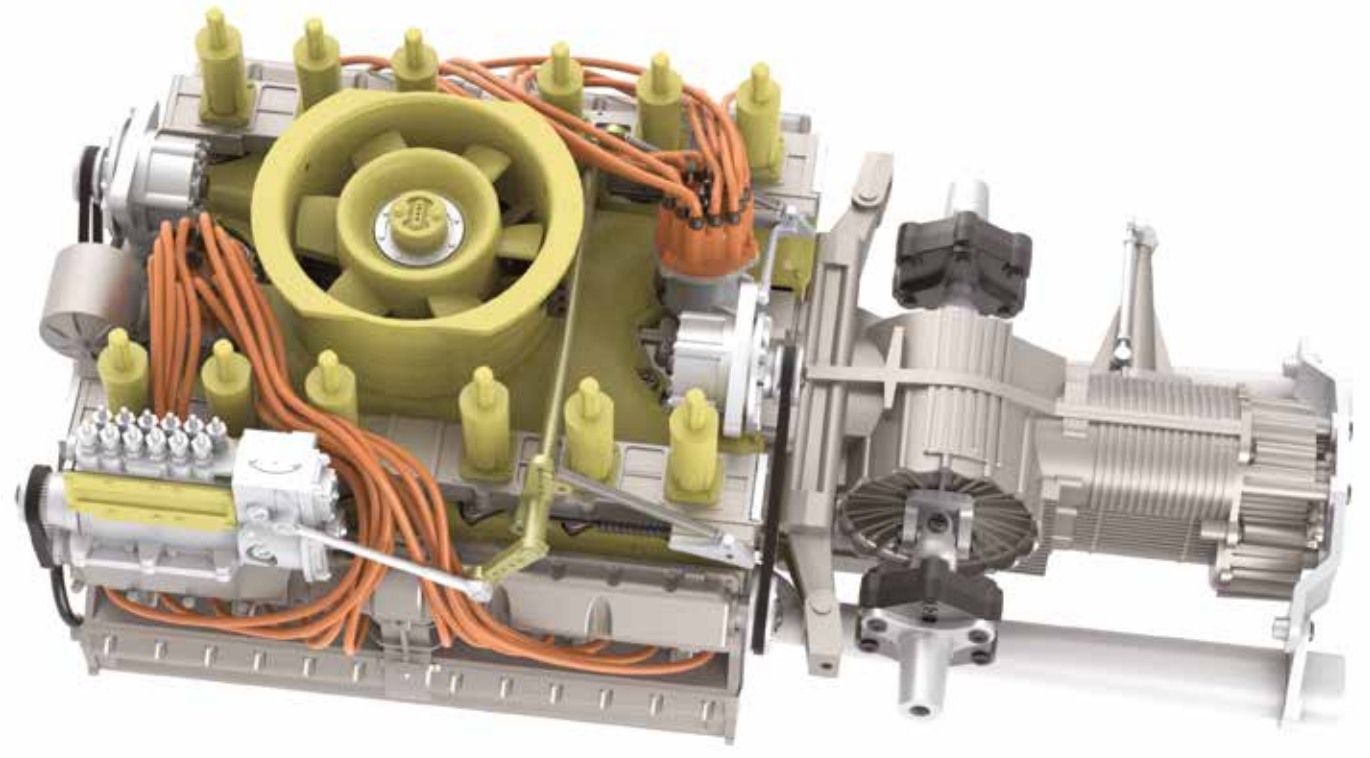
Cut twelveth 23D Ignition wire 110mm long from the Ignition wire roll and fit it to next 9B Spark plug (upper illustration), then lead and fit to 23C Ignition wire plug (lower illustration).





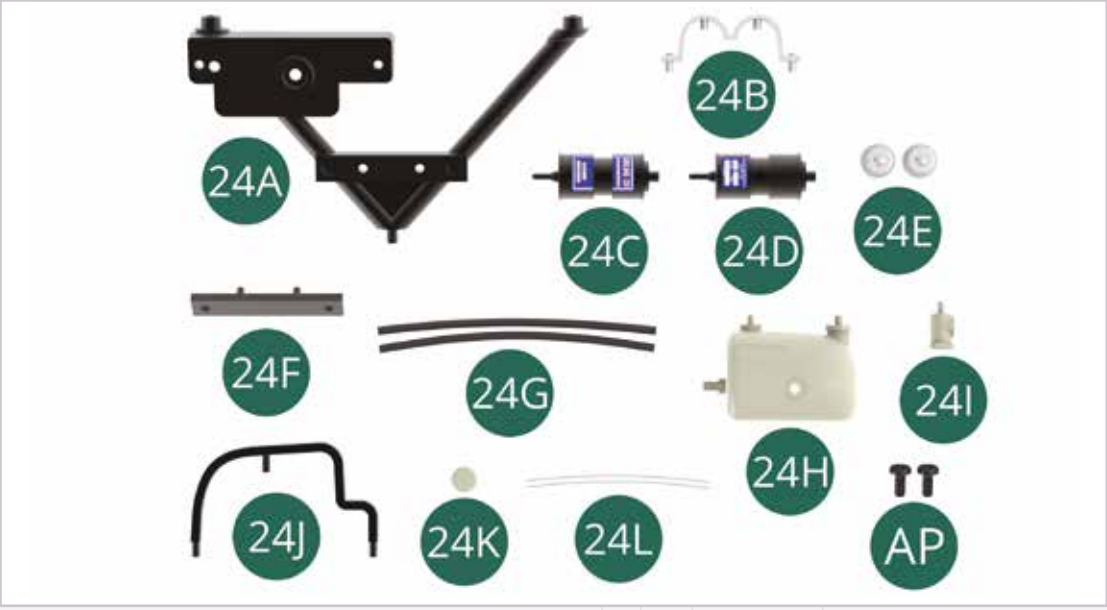
General view





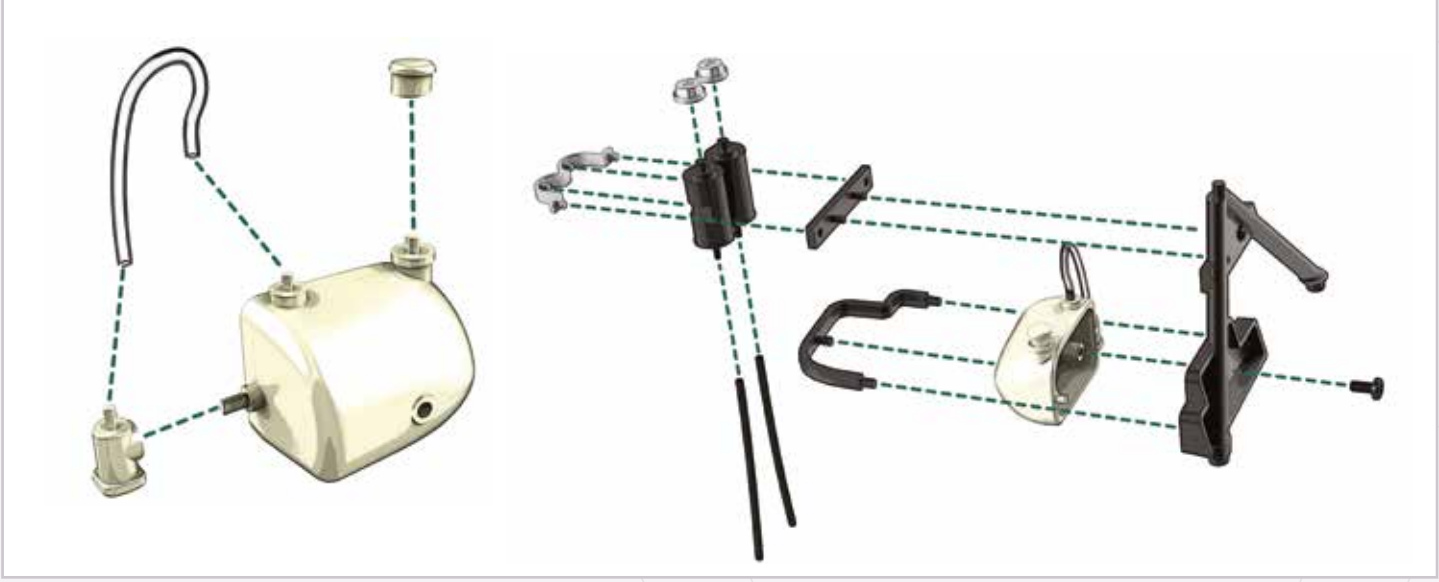
Parts of the issue 24

24A V-Frame
24B Saddle clip
24C Brake fluid reservoir
24D Brake fluid reservoir
24E Cap (x2)
24F Plank
24G Brake fluid hoses (x2)
24H Windscreen washer reservoir
24I Washer fluid pump
24J Clip
24K Cap
24L Washer fluid hose
AP M1,7 x4mm (x2)



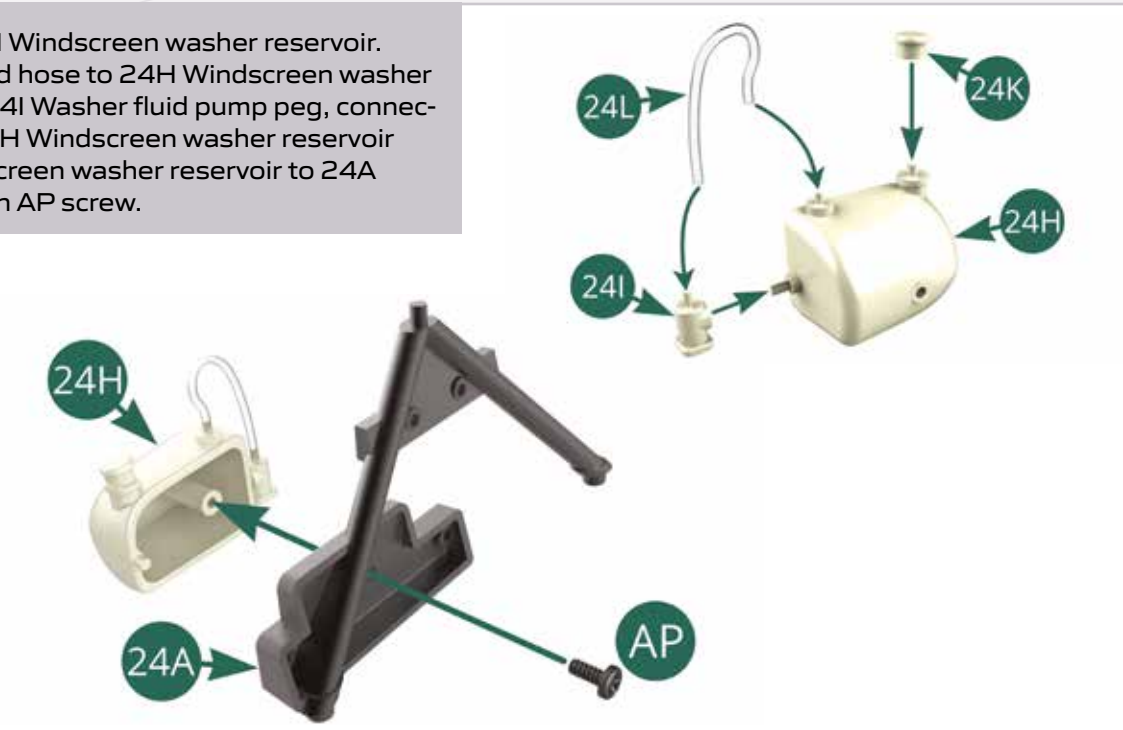
Brake and Washer fluid reservoirs assembly

Assembly diagram



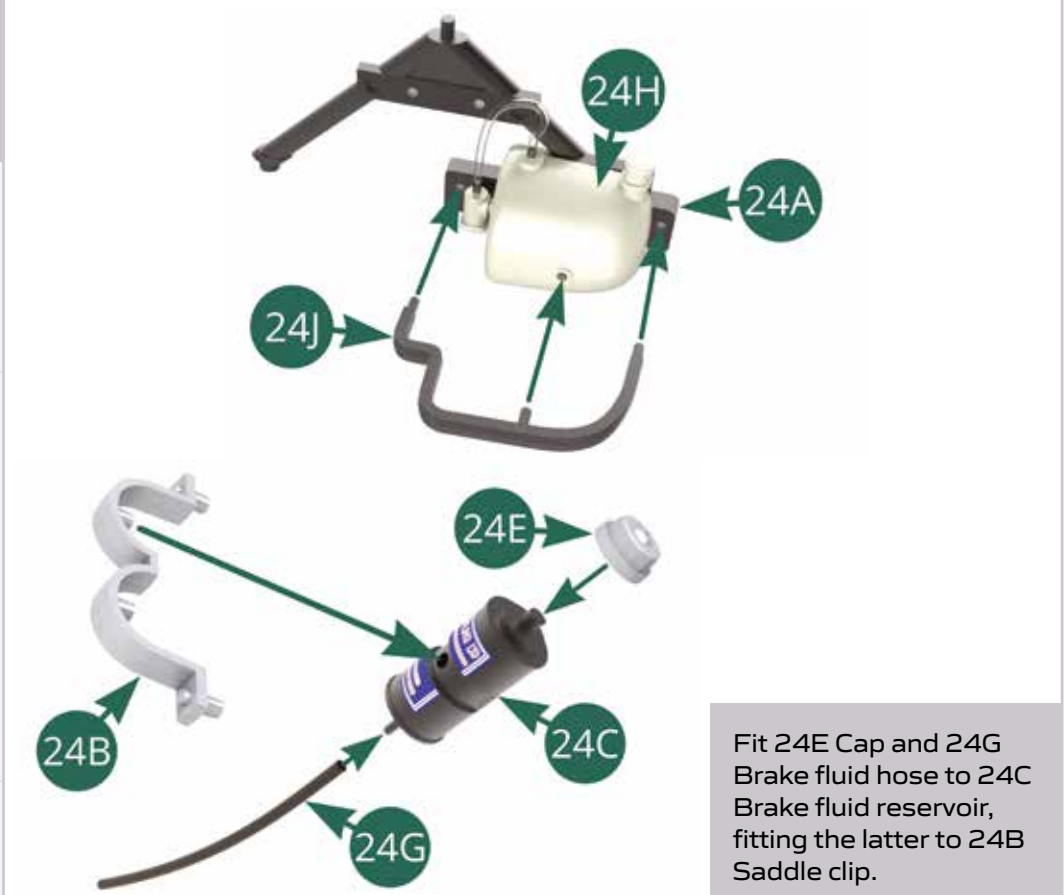
STEP 1

Fit 24K Cap to 24H Windscreen washer reservoir. Fit 24L Washer fluid hose to 24H Windscreen washer reservoir peg and 24I Washer fluid pump peg, connecting the latter to 24H Windscreen washer reservoir too. Fit 24H Windscreen washer reservoir to 24A V-Frame and fix with AP screw.



STEP 2

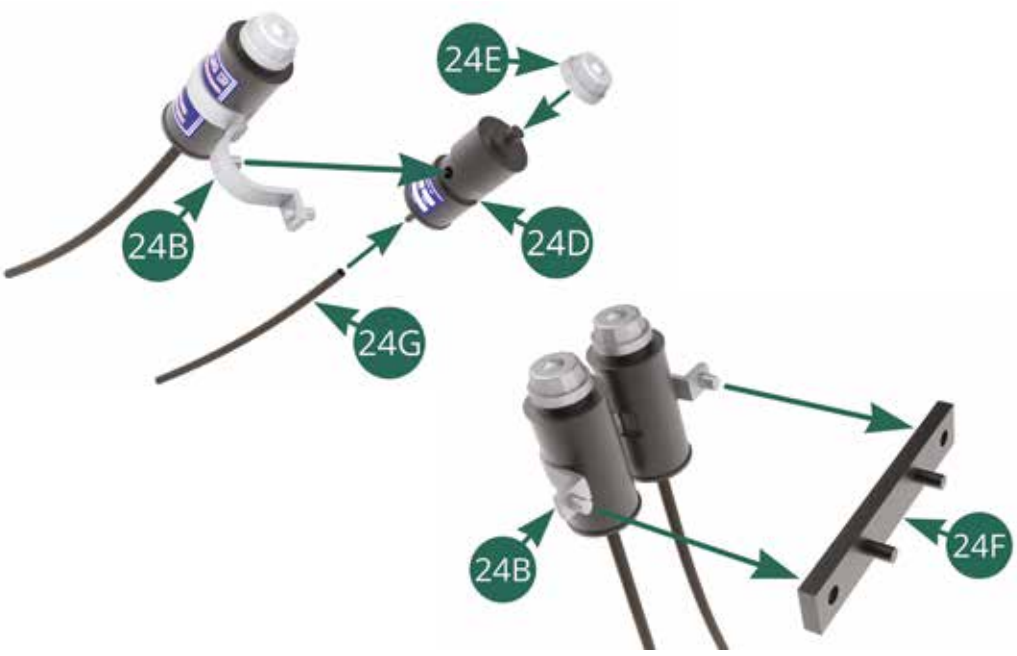
Fit 24J Clip to 24A V-Frame and 24H Windscreen washer reservoir.



Fit 24E Cap and 24G Brake fluid hose to 24C Brake fluid reservoir, fitting the latter to 24B Saddle clip.

STEP 3

Fit 24E Cap and 24G Brake fluid hose to 24D Brake fluid reservoir, fitting the latter to 24B Saddle clip.



Fit 24B Saddle clip to 24F Plank.

STEP 4

Fit 24F Plank to 24A V-Frame (upper and lower illustrations).



General view

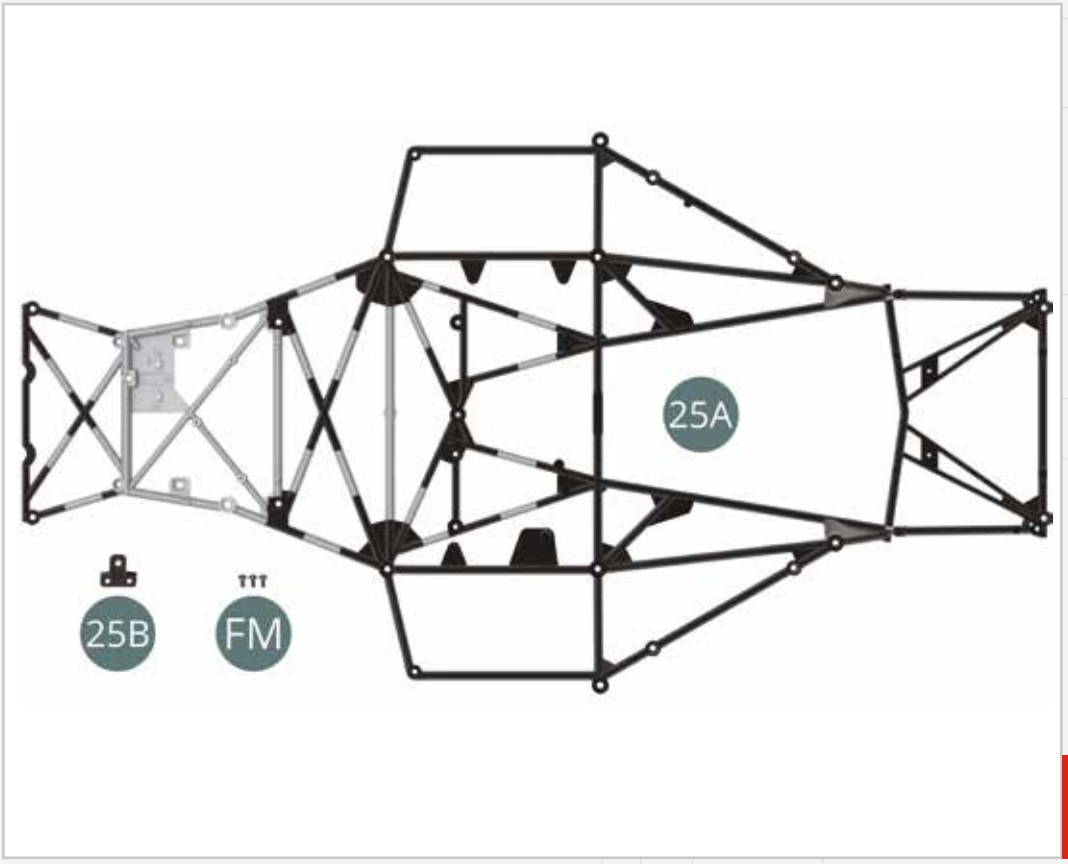


Parts of the issue 25

25A Chassis lower frame

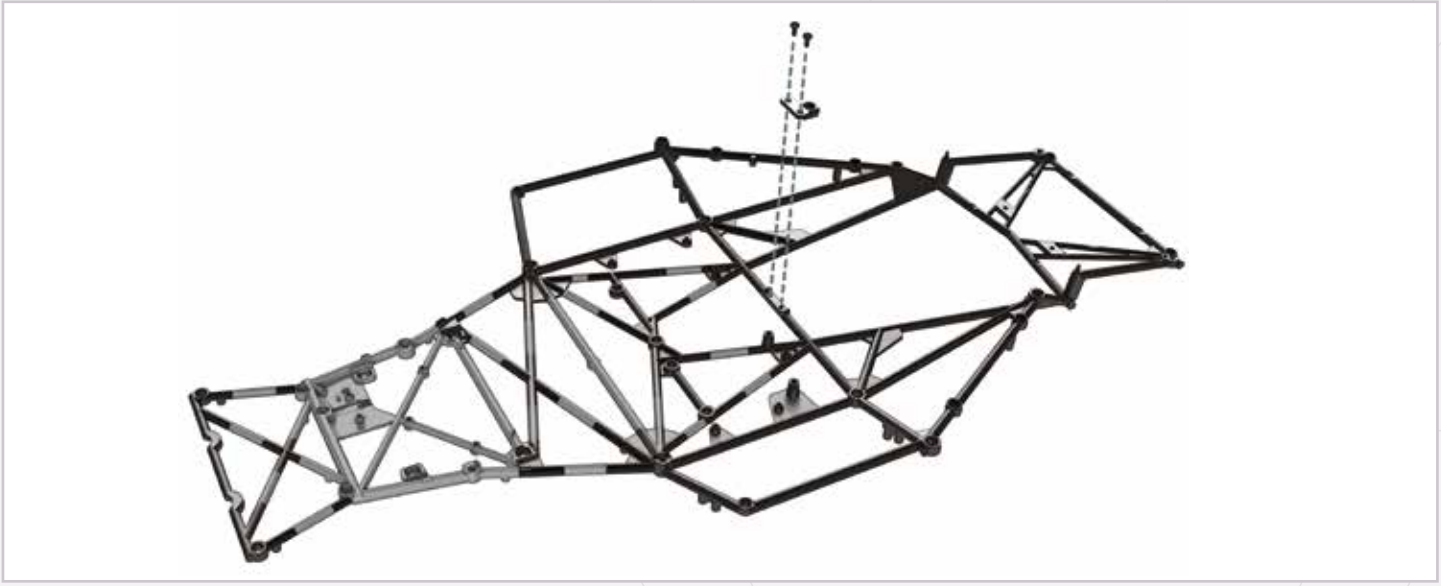
25B Engine front mount

FM M1,7 x4mm (x3)



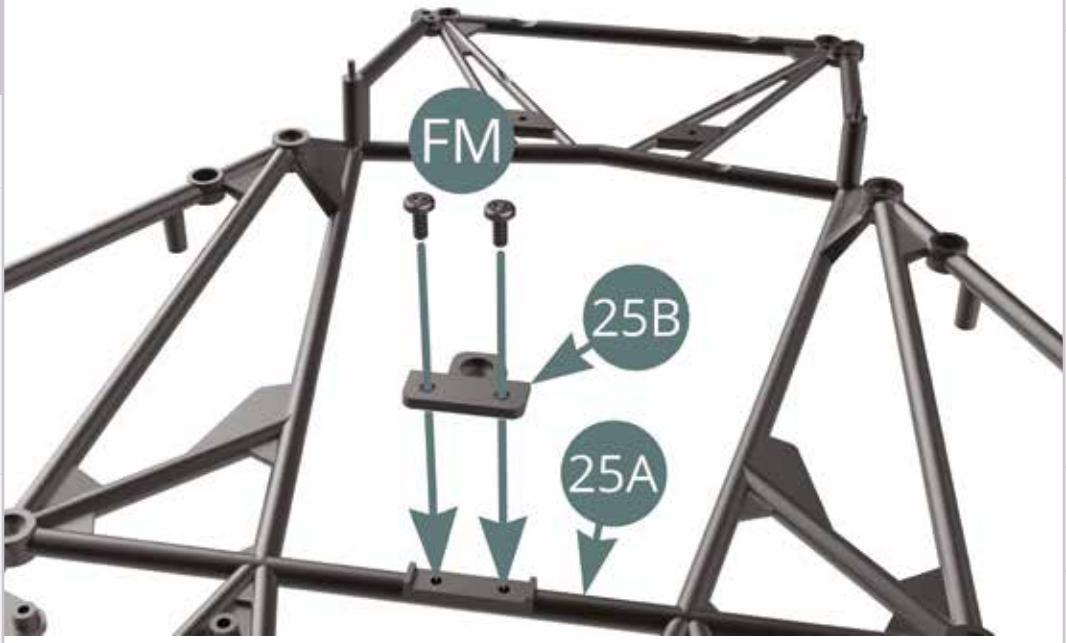
Chassis frame assembly

Assembly diagram



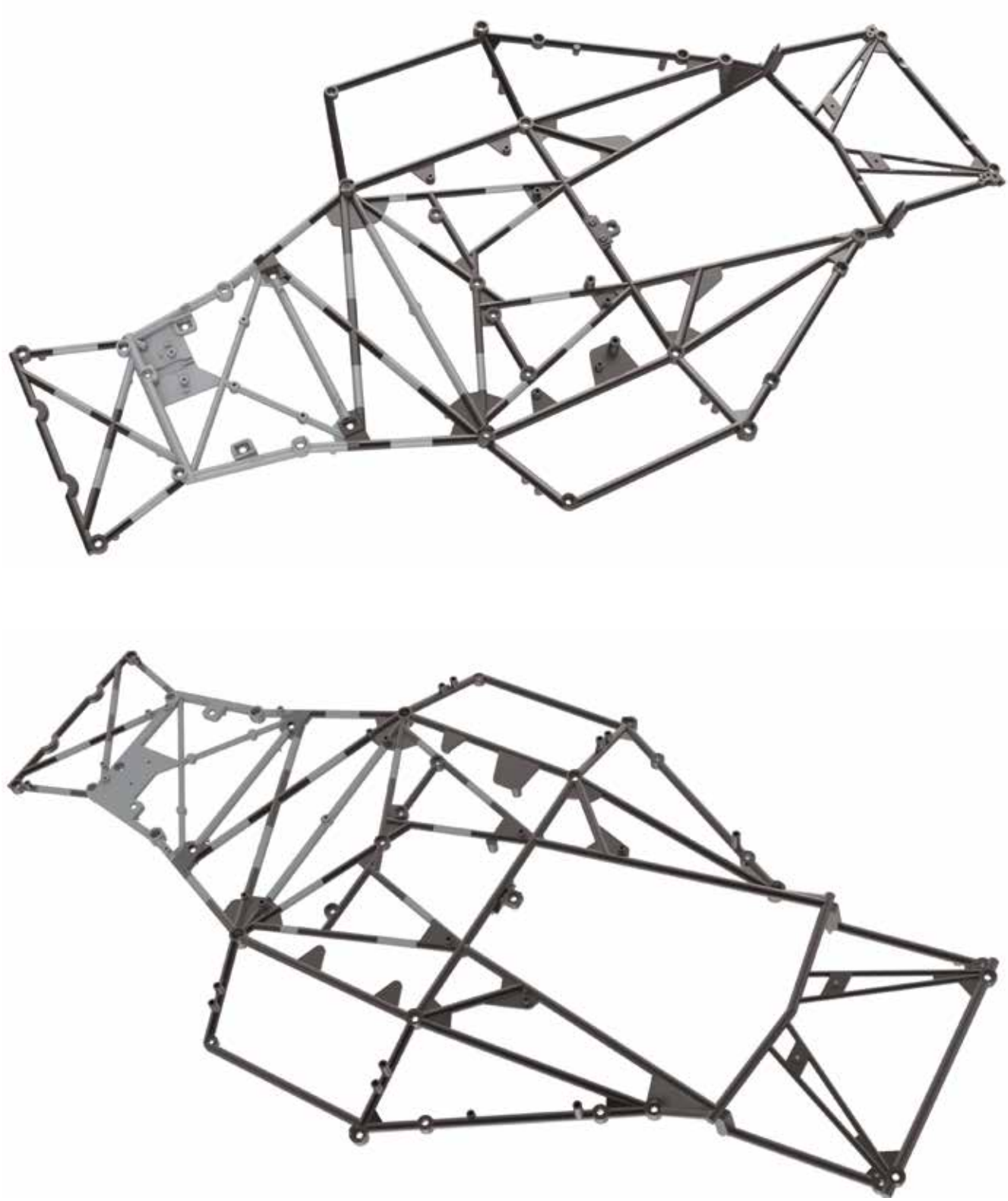
STEP 1

Fit 25B Engine front mount to 25A Chassis lower frame and fix with two FM screws (upper and lower illustrations).



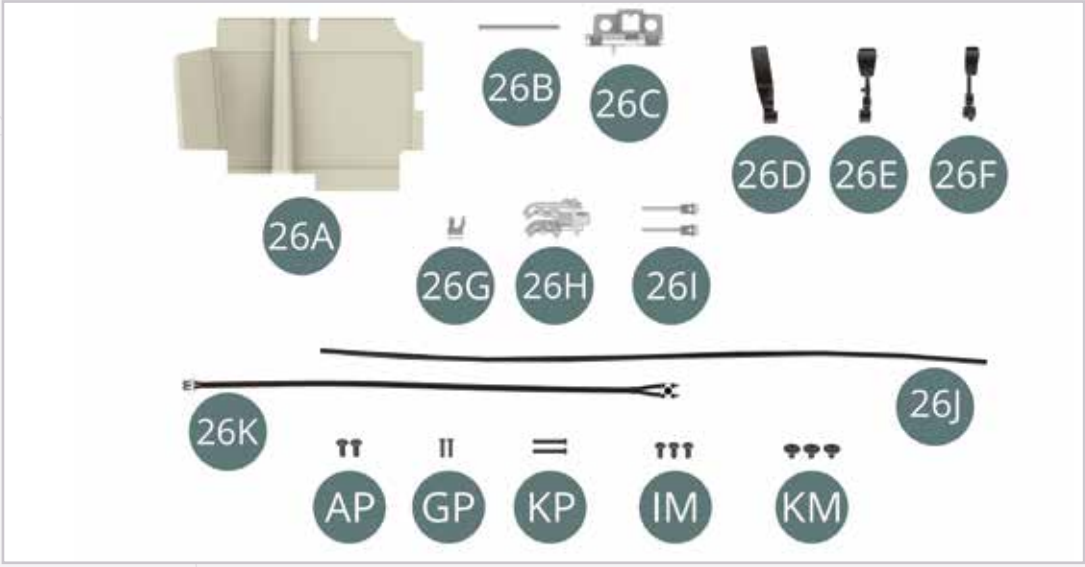


General view



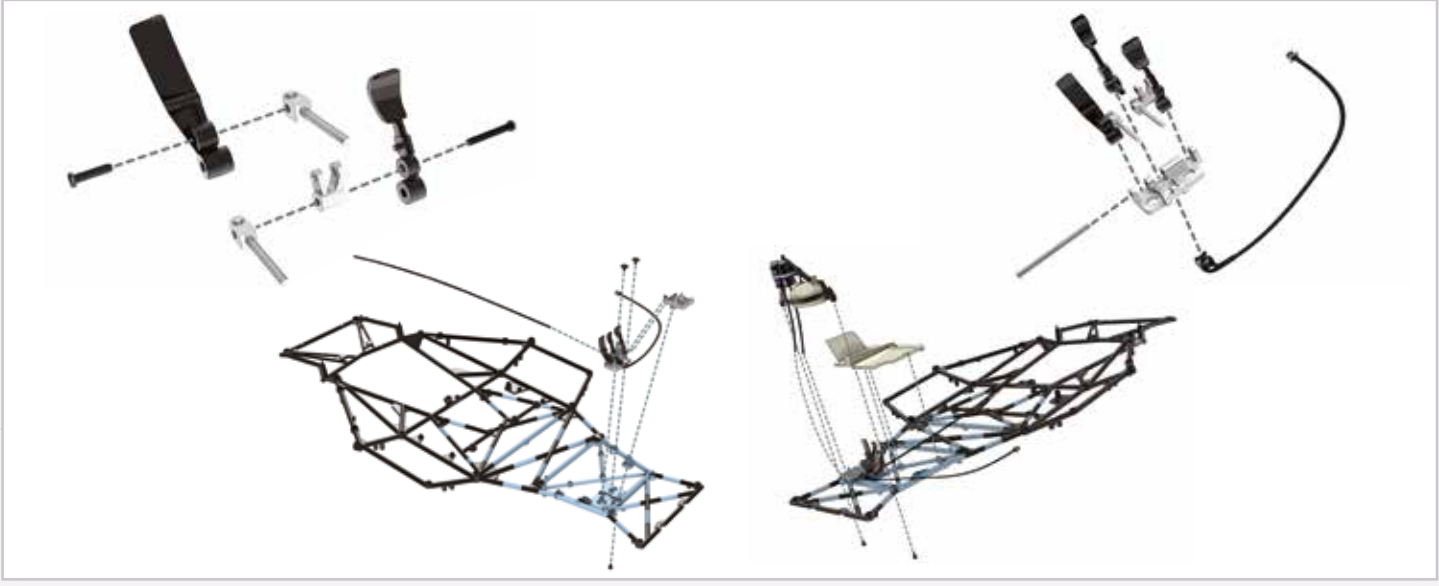
Parts of the issue 26

26A Foot plate
26B Pin
26C Pedals fixture
26D Gas pedal
26E Clutch pedal
26F Brake pedal
26G Fork
26H Master cylinders
26I Pushrods (x2)
26J Clutch cord
26K Brake light switch cable
AP M1,7 x4mm (x2)
GP M1,2 x5mm (x2)
IM M1,7 x3,5mm (x3)
KM M1,7 x3x5mm (x3)
KP M1,2 x9,5mm (x2)



Chassis assembly, pedals installation

Assembly diagram



STEP 1

Fit KP screw via 26E Clutch pedal and 26G Fork into 26I Pushrod.

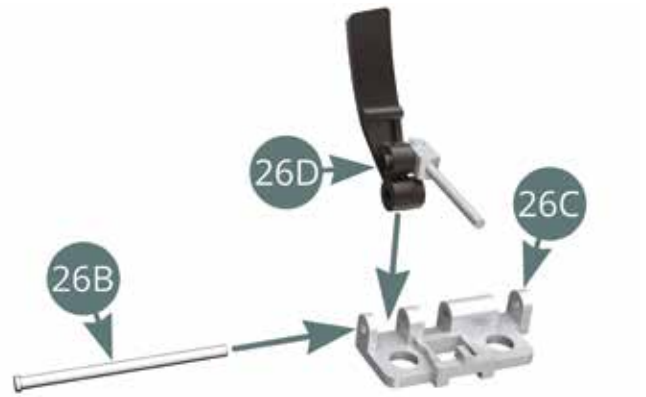


Fit GP screw via 26D Gas pedal into 26I Pushrod.

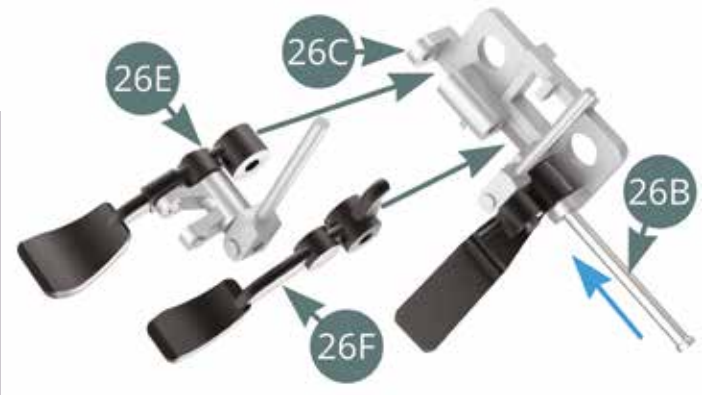


STEP 2

Fit 26D Gas pedal to 26C Pedals fixture and lock it with 26B Pin.

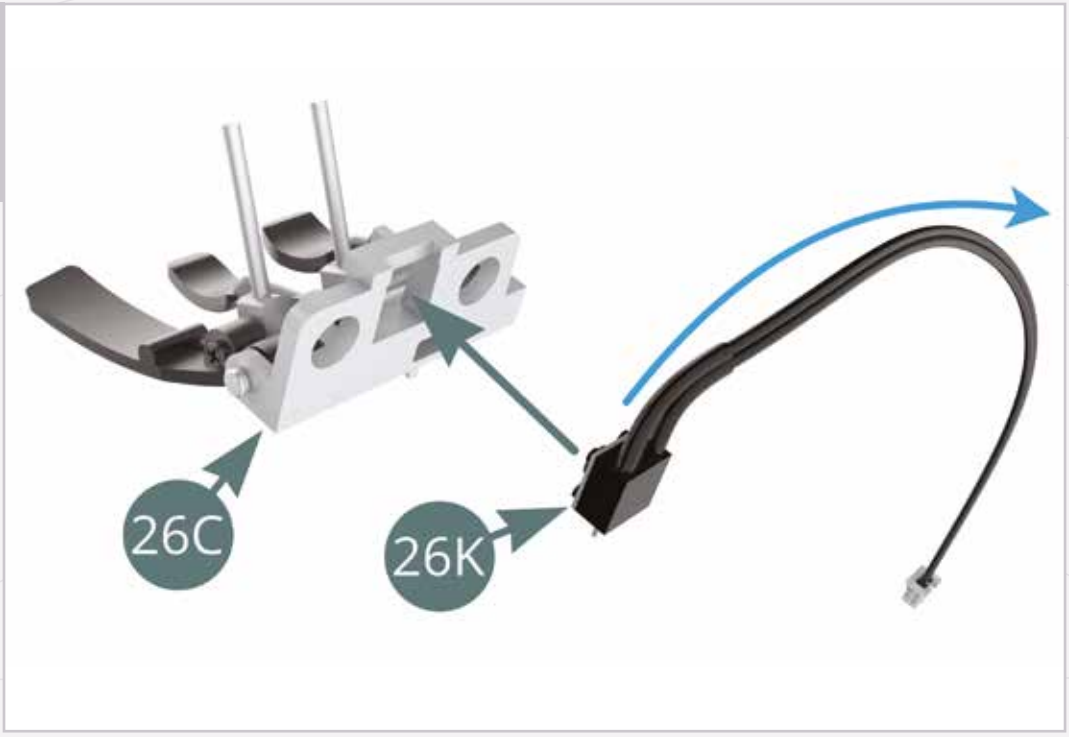


One by one fit 26F Brake pedal and 26E Clutch pedal to 26C Pedals fixture and lock them by advancing 26B Pin (blue arrow) with each pedal attachment.



STEP 3

Bend 26K Brake light switch cable sideways (blue arrow) and fit the switch into 26C Pedals fixture nest.



Preassembled pedals block



STEP 4

Fit 26C Pedals fixture to 25A Chassis lower frame plate and fix with two KM screws.

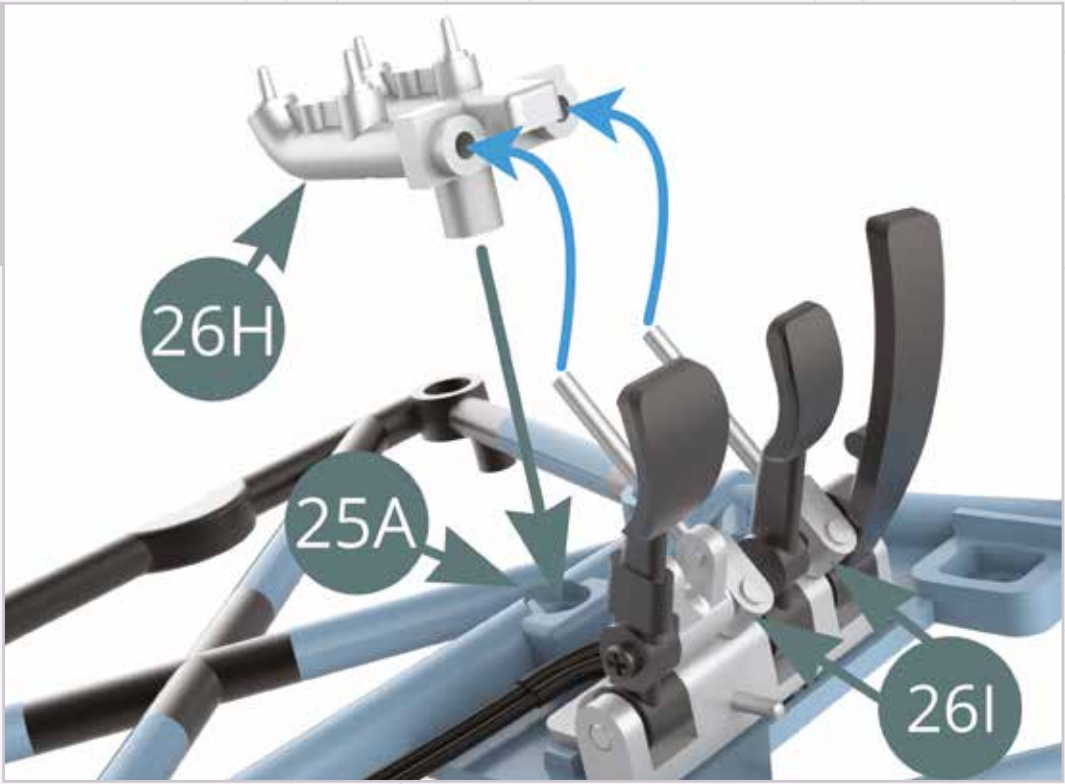


Pedals block is installed on chassis



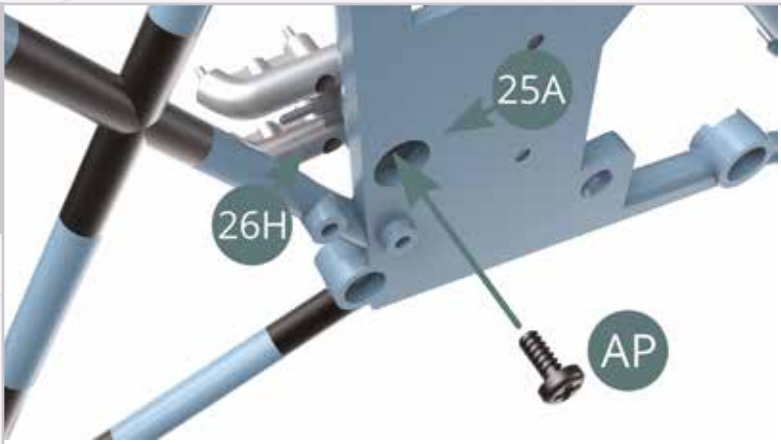
STEP 5

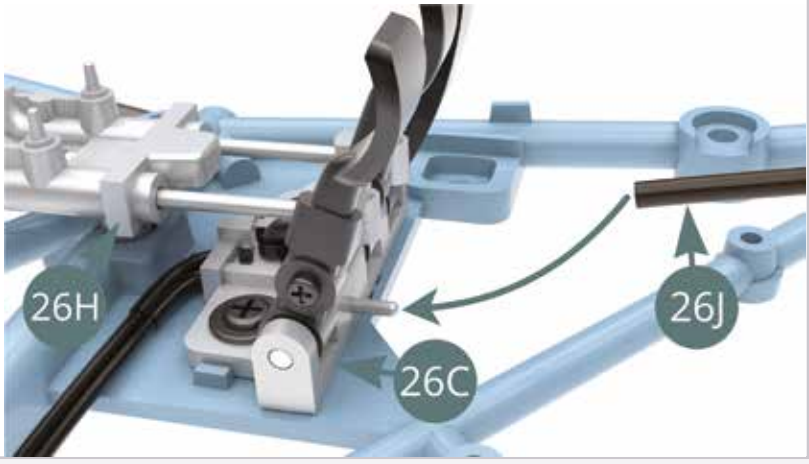
Fit 26H Master cylinders to 25A Chassis lower frame, inserting at the same time two 26I Pushrods into 26H Master cylinders holes (blue arrows).



STEP 6

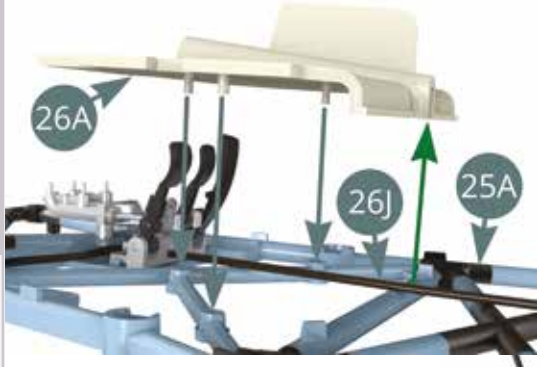
Fix 26H Master cylinders to 25A Chassis lower frame with AP screw. Fit 26J Clutch cord to 26C Pedals fixture nozzle.

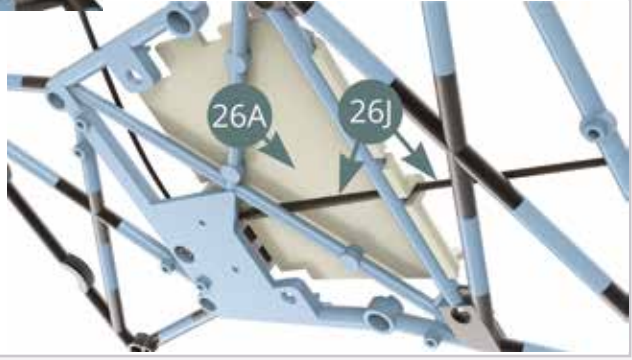




STEP 7

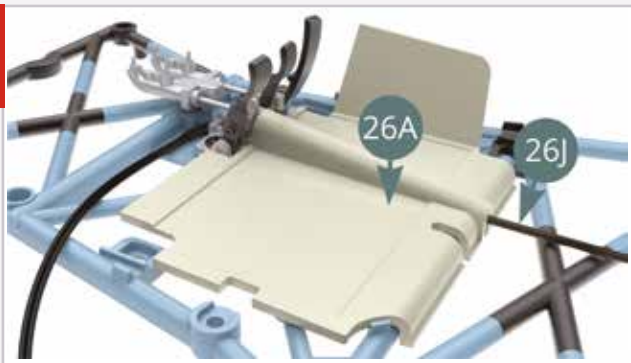
Fit 26A Foot plate on its three pegs to 25A Chassis lower frame, passing 26J Clutch cord through the slot pointed by green arrow (upper and next two illustrations).

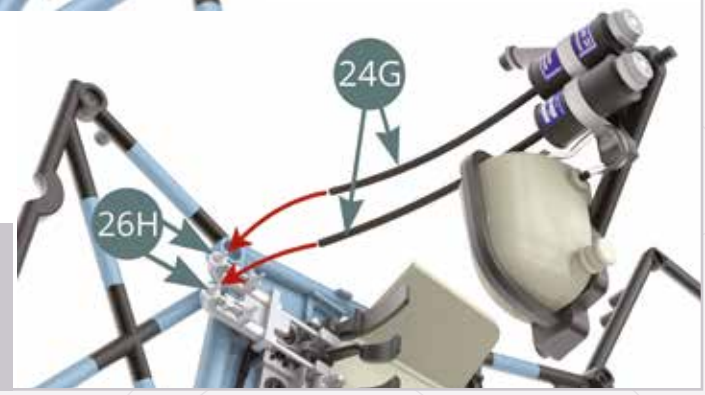




STEP 8

26A Foot plate is fitted on chassis

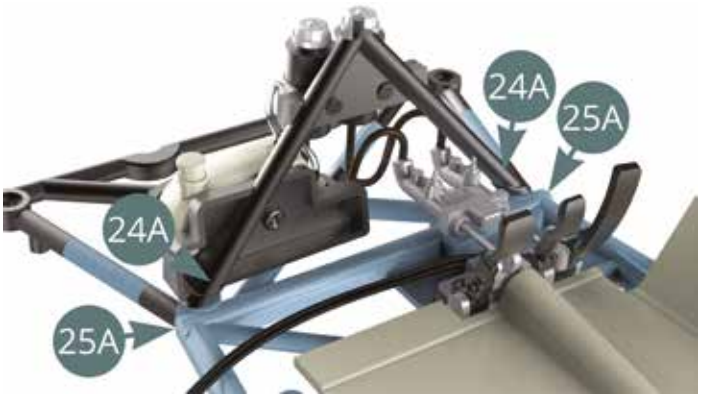


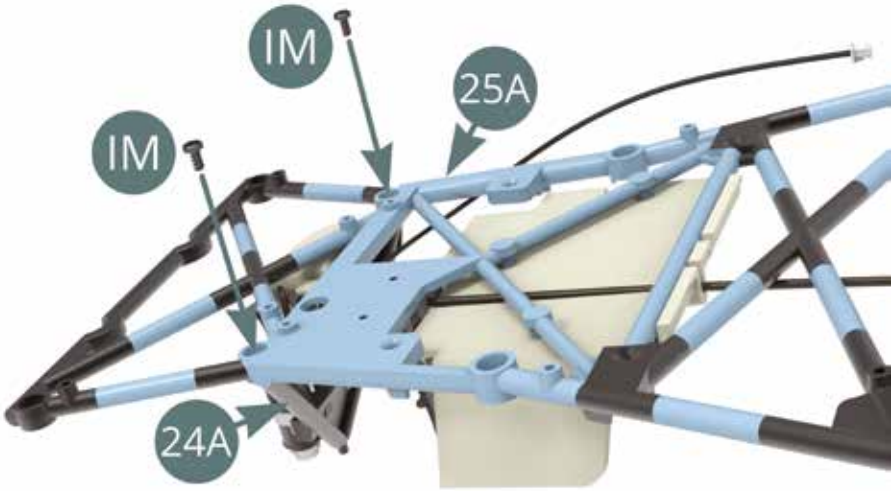


Fit 24G Brake fluid hoses to 26H Master cylinders front nozzles (continued on next illustration)

STEP 9

Continue to fit 24A V-Frame to 25A Chassis lower frame and fix with two IM screws from below (upper and lower illustrations).





General view









Parts of the issue 27

27A Dashboard subframe

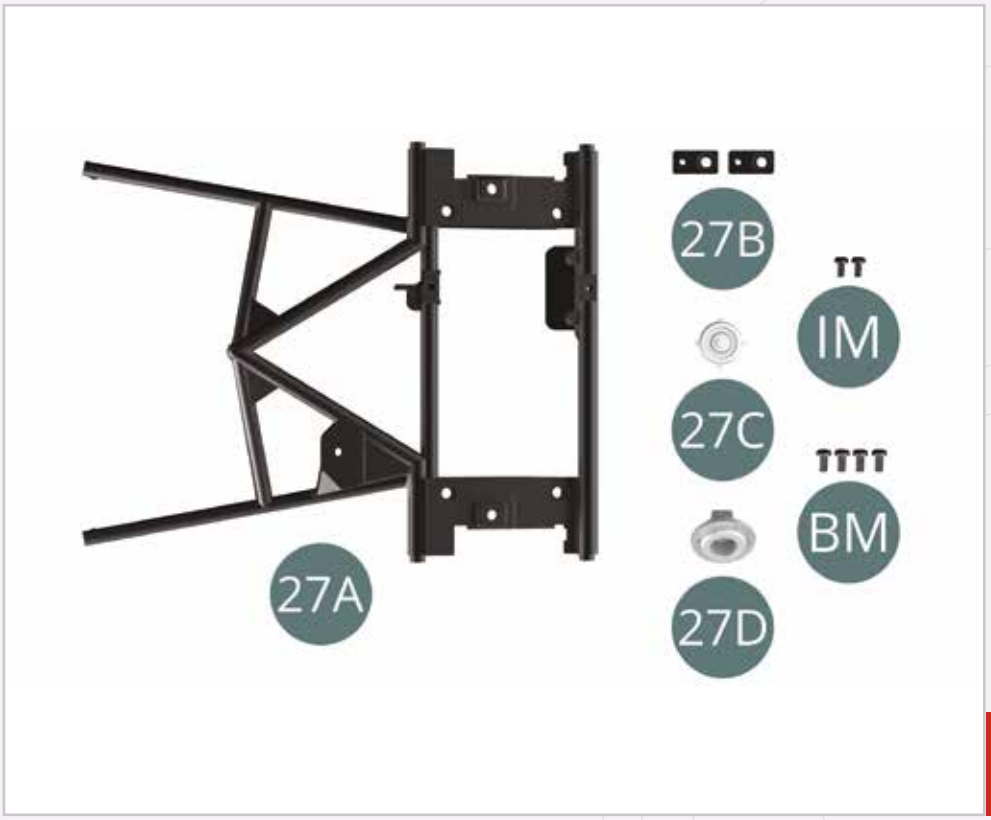
27B Tie down plank (x2)

27C Wiper drive

27D Horn

BM M2,0 x4mm (x4)

IM M1,7 x3,5mm (x2)



Dashboard subframe and Front left suspension preassembly

Assembly diagram



STEP 1

Fit 27C Wiper drive and 27D Horn to 27A Dashboard subframe, fixing the latter with IM screw.



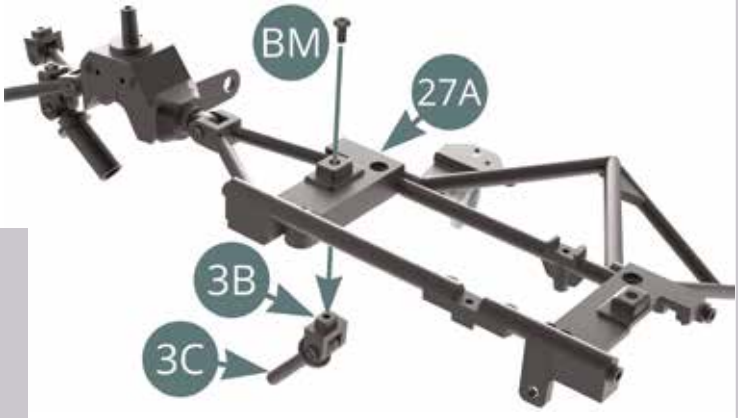


Fit 3A Upper front wishbone to 27A Dashboard subframe.

STEP 2

Fix 3A Upper front wishbone to 27A Dashboard subframe via two 27B Tie down planks with two BM screws.





Fit 3B Damper mount with 3C Piston rod to 27A Dashboard subframe and fix with BM screw.

General view



Views of Front left suspension in its anticipated working position

Parts of the issue 28

28A Clip

28B Bracket

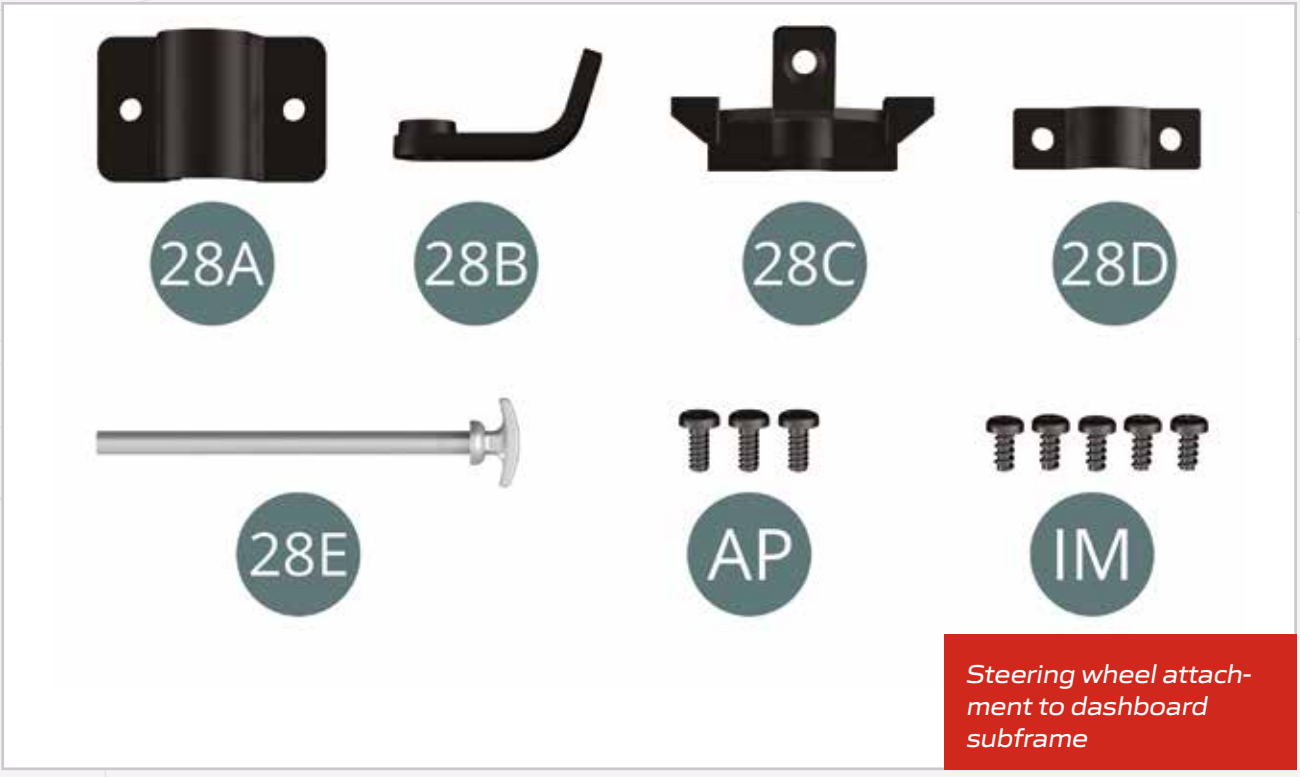
28C Bracket

28D Clip

28E Extinguisher lever

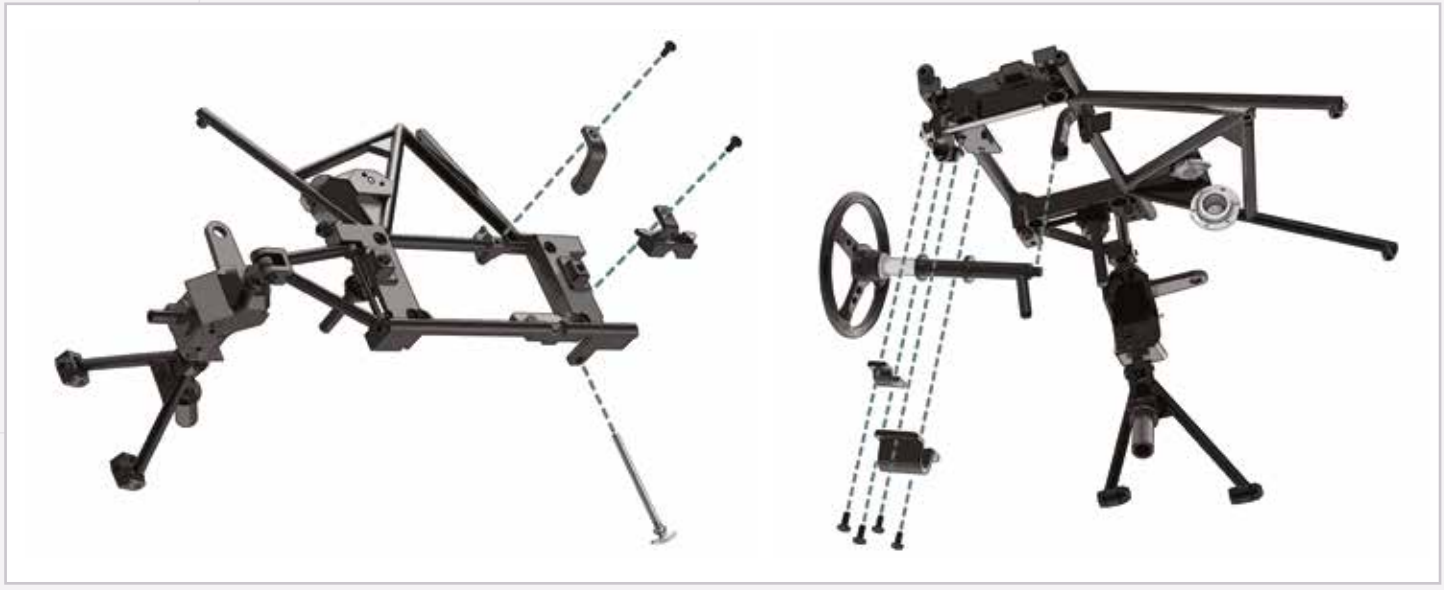
AP M1,7 x4mm (x3)

IM M1,7 x3,5mm (x5)



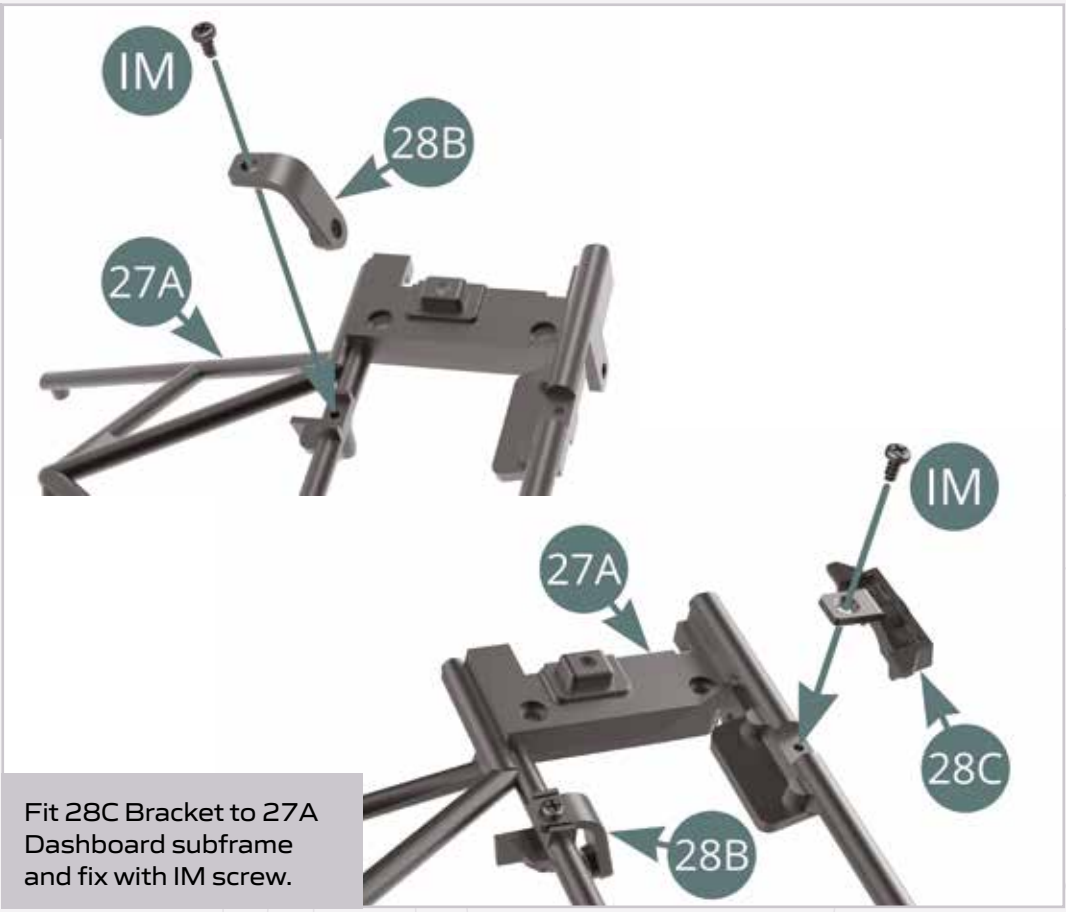
Steering wheel attachment to dashboard subframe

Assembly diagram



STEP 1

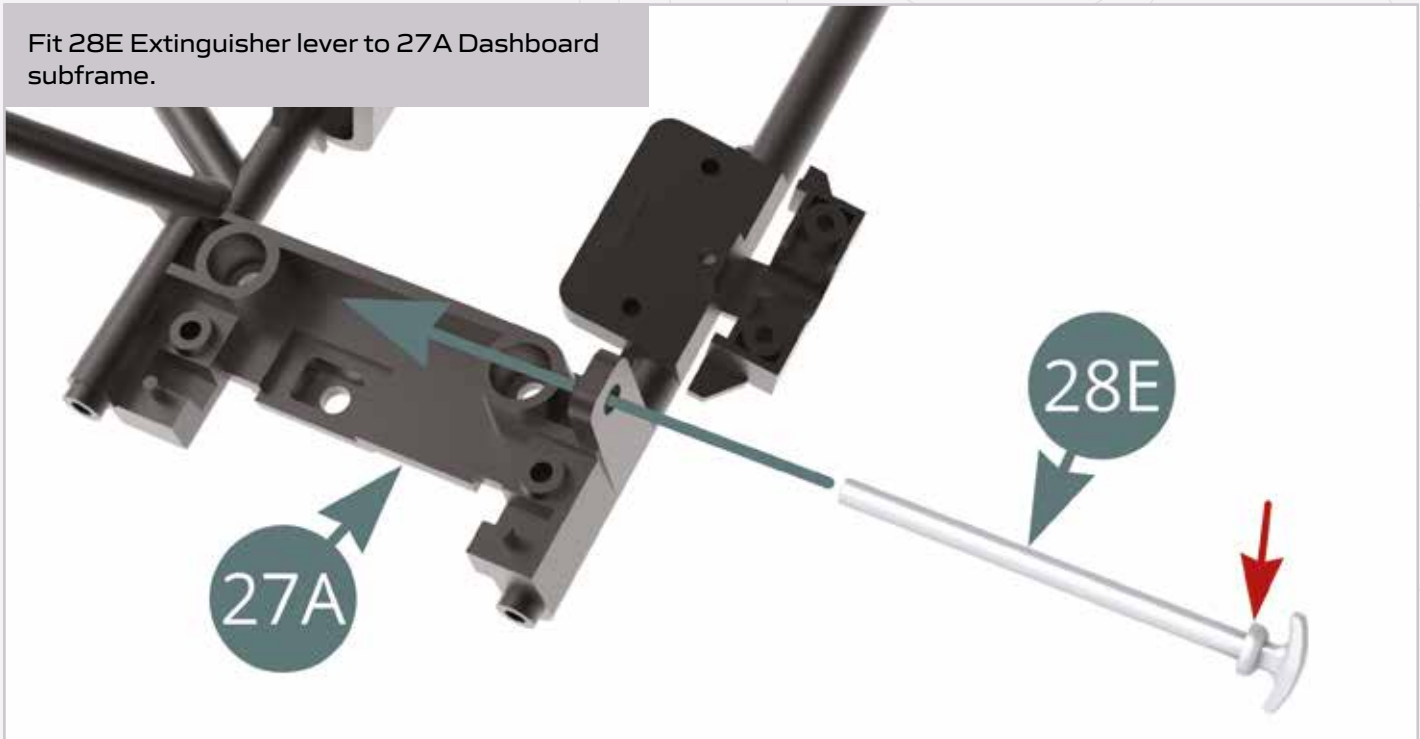
Fit 28B Bracket to 27A Dashboard subframe and fix with IM screw.



Fit 28C Bracket to 27A Dashboard subframe and fix with IM screw.

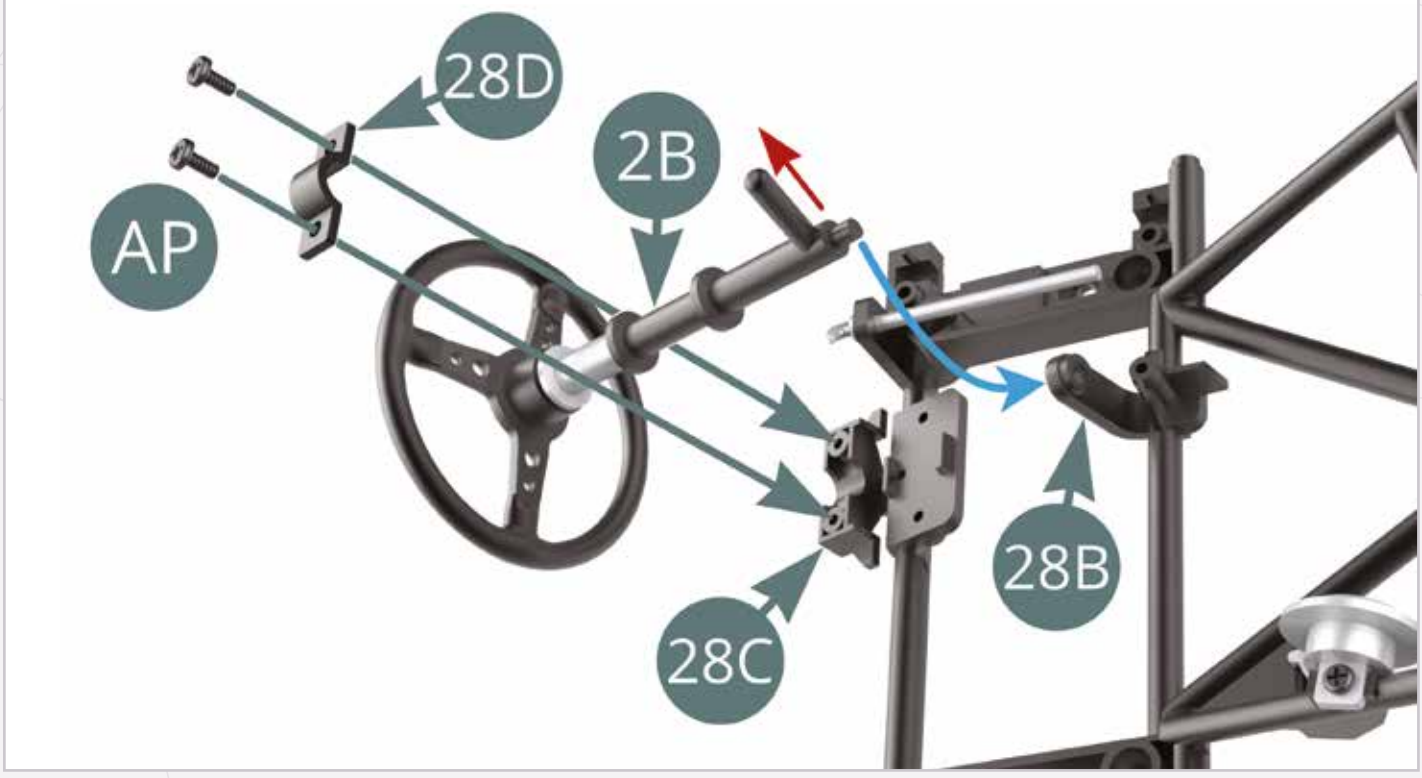
STEP 2

Fit 28E Extinguisher lever to 27A Dashboard subframe.



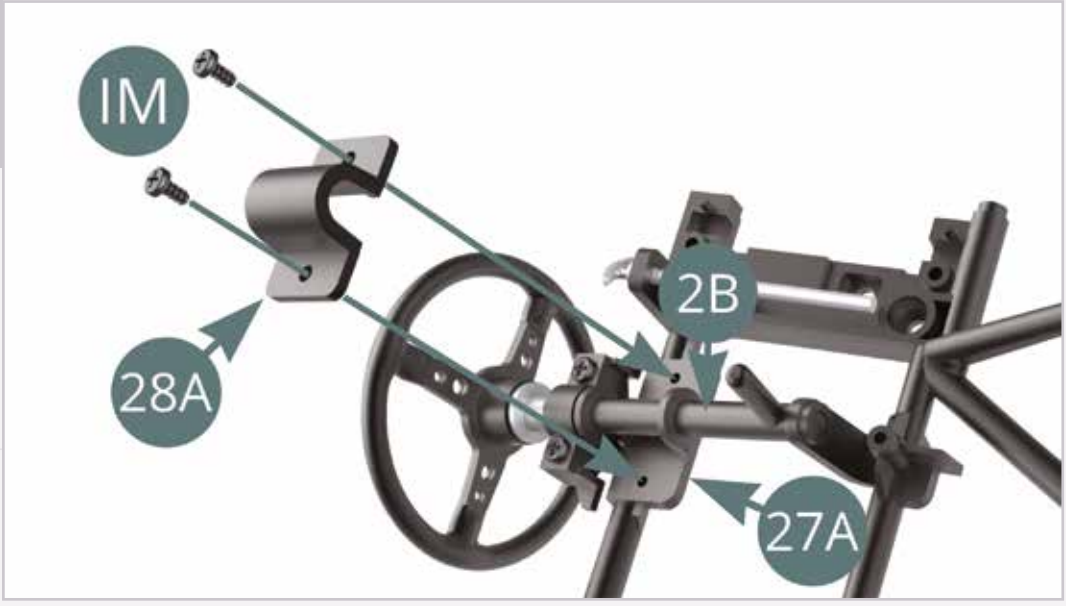
STEP 3

Fit 2B Steering column to 28B Bracket (blue arrow) and fix to 28C Bracket by aid of 28D Clip with two AP screws. Note 2B Steering column end pin orientation (red arrow).



STEP 4

Fix 2B Steering column to 27A Dashboard subframe by aid of 28A Clip with two IM screws.



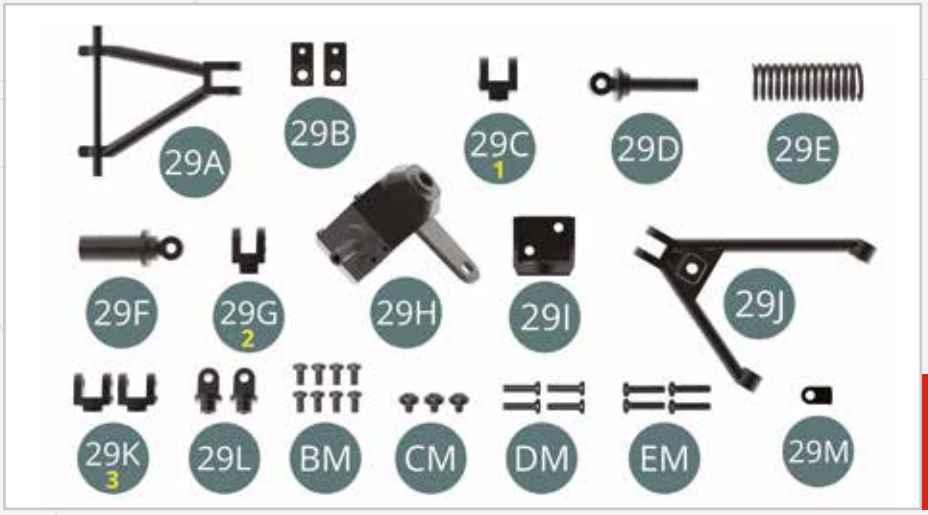
General view





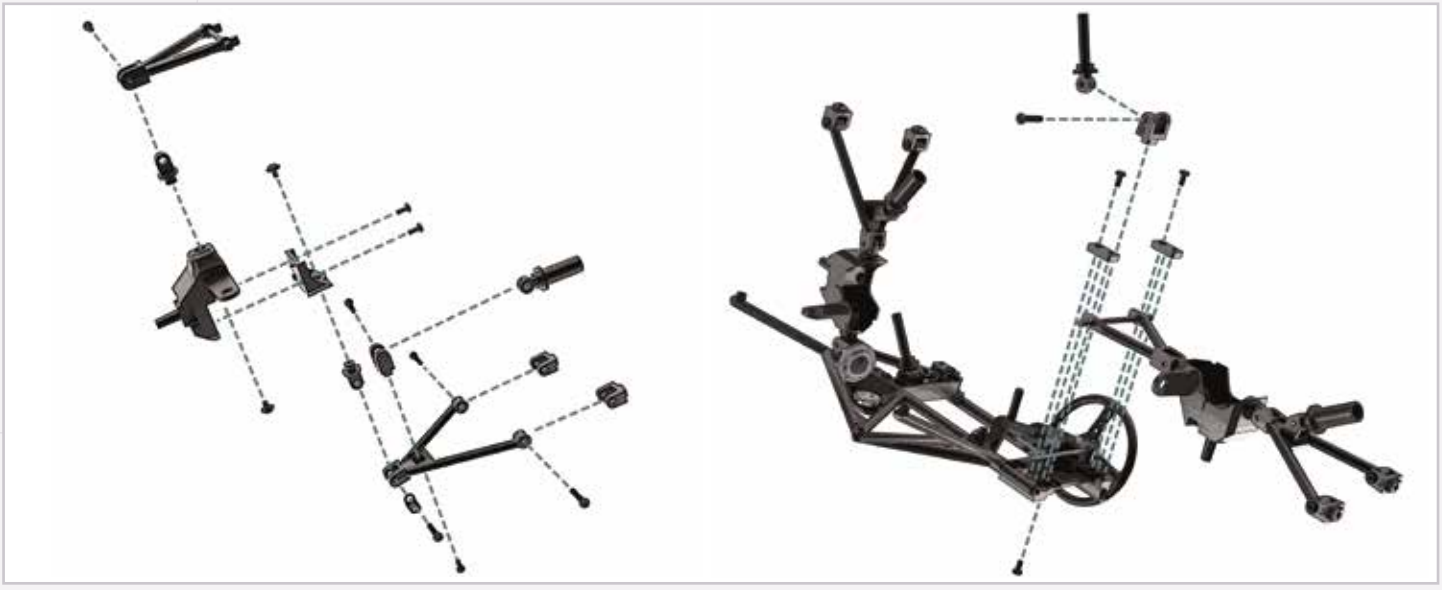
Parts of the issue 29

29A Upper front wishbone
29B Tie down plank (x2)
29C Damper upper mount (marked 1)
29D Piston rod
29E Suspension spring
29F Suspension damper
29G Damper lower mount (marked 2)
29H Upright upper body
29I Upright lower body
29J Lower front wishbone
29K Lower wishbone mounts (x2, marked 3)
29L Upright eye link (x2)
29M Bracket
BM M2,0 x4mm (x8)
CM M2,0 x3x5mm (x3)
DM M2,0 x8mm (x4)
EM M2,0 x9mm (x4)



Front Right suspension assembly and installation on Dashboard subframe

Assembly diagram



STEP 1

Fit 29L Upright eye link to 29A Upper front wishbone and fix with DM screw from bigger hole direction (red arrow) forming moving joint.





Fit 29H Upright upper body to 29L Upright eye link and fix with CM screw, forming rotating joint for enabling front wheels turn.

STEP 2

Fit consecutively, two 29K Lower wishbone mounts (marked 3) to 29J Lower front wishbone and fix each one with EM screw from bigger hole direction orientation (red arrows), forming two moving joints.





Fit 29G Damper lower mount (marked 2) to 29F Suspension damper and fix with DM screw from bigger hole direction (red arrow), forming moving joint.

STEP 3

Fit 29G Damper lower mount to 29J Lower front wishbone and fix with BM screw.





Fit 29L Upright eye link to 29J Lower front wishbone and fix with DM screw through 29M Bracket.

STEP 4

Fit 29I Upright lower body to 29L Upright eye link and fix with CM screw, forming rotating joint for enabling front wheels to turn. Fit 29I Upright lower body to 29H Upright upper body and fix with two BM screws.

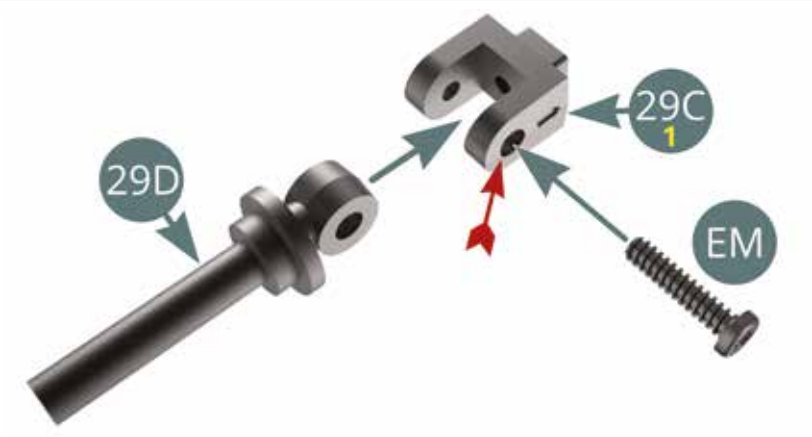


Preassembled Front Right suspension in unfolded condition



STEP 5

Fit 29C Damper upper mount (marked 1) to 29D Piston rod and fix with EM screw from bigger hole direction (red arrow), forming moving joint.

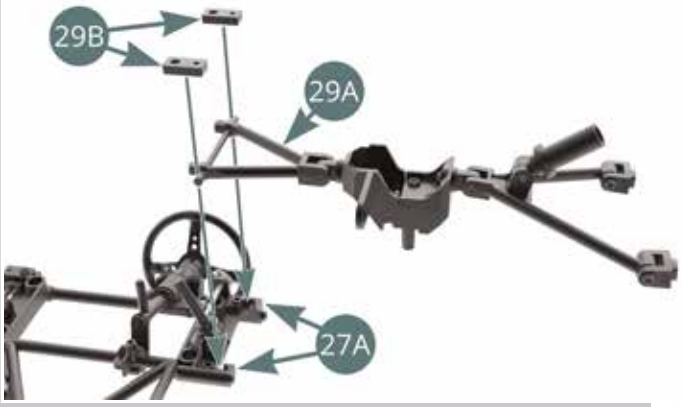


STEP 6

Fit 29C Damper upper mount (marked 1) to 27A Dashboard subframe and fix with BM screw.



STEP 7





Fit 29A Upper front wishbone to 27A Dashboard subframe with 29B Tie down planks on top of it and fixing them to 27A Dashboard subframe with two BM screws (upper and lower illustrations). Do not over tighten, allowing the joint to move.

General view





Parts of the issue 30

30A Left caliper
30B Cylinders housing (x2)
30C Left air blower support
30D Right inner brake disc
30E Right inner rotor
30F Right outer rotor and hub
30G Right caliper
30H Right air blower support
30I Steering link
30J Steering rod
BM M2,0x4mm (x8)
CM M2,0 x3x5mm (x3)
CP M1,7 x3x3mm (x3)
IM M1,7 x3,5mm (x10)
KM M1,7 x3x5 (x2)



Brake discs, steering and front suspension installation on chassis

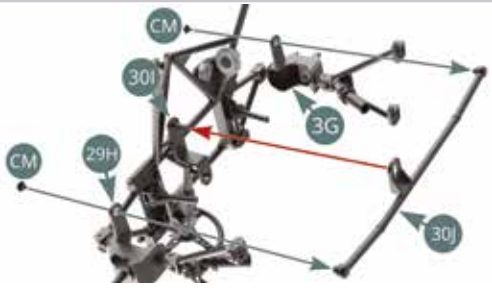
Assembly diagram



STEP 1

Fit 30I Steering link to 27A Dashboard subframe socket, aiming to catch 2B Steering column peg in its end slot (red arrow), and fix with KM screw.





Fit 30J Steering rod to 29H and 3G Upright upper bodies arms, aiming 30J Steering rod bracket to catch 30I Steering link peg (red arrow), and fix with two CM screws.

30J Steering rod is installed



STEP 2

Fit 30C Left air blower support to 3G Upright upper body and fix with two IM screws.



STEP 3

Fit 3M-3N Left rotor with brake discs to 3G Upright stub axle, entering into 30C Left air blower support (blue arrows). Upper and lower illustrations.



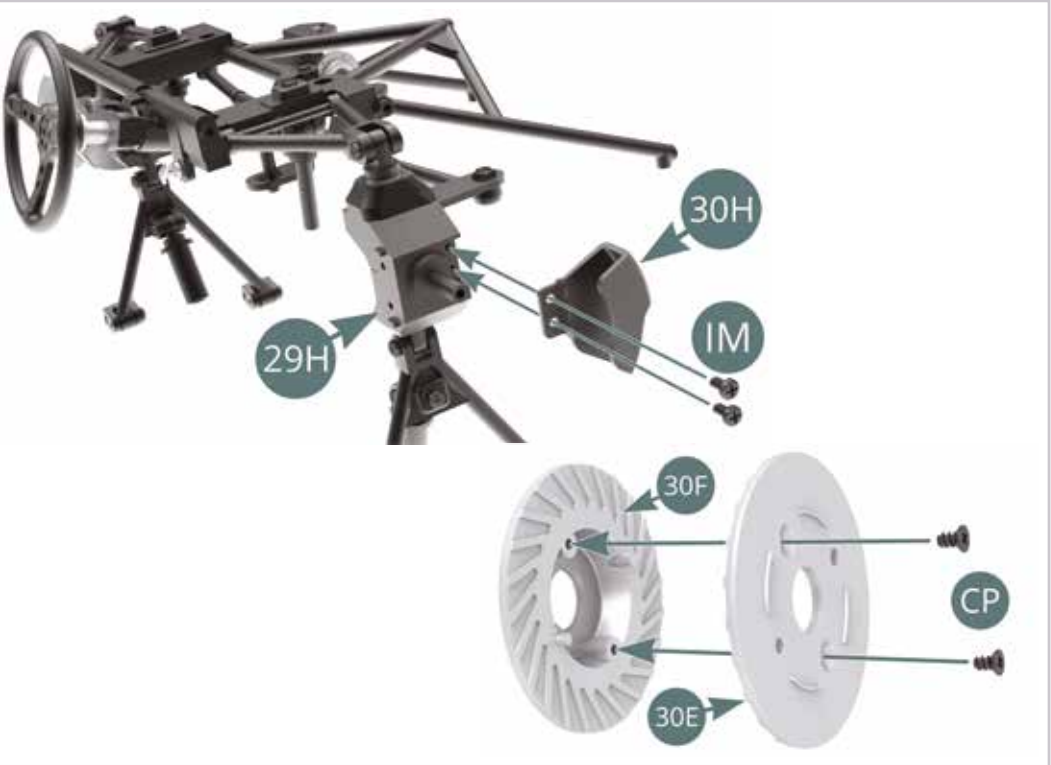
STEP 4

Fit 30A Left caliper to 3G Upright upper body and fix with two IM screws. Fit 30B Cylinders housing to 30A Left caliper.



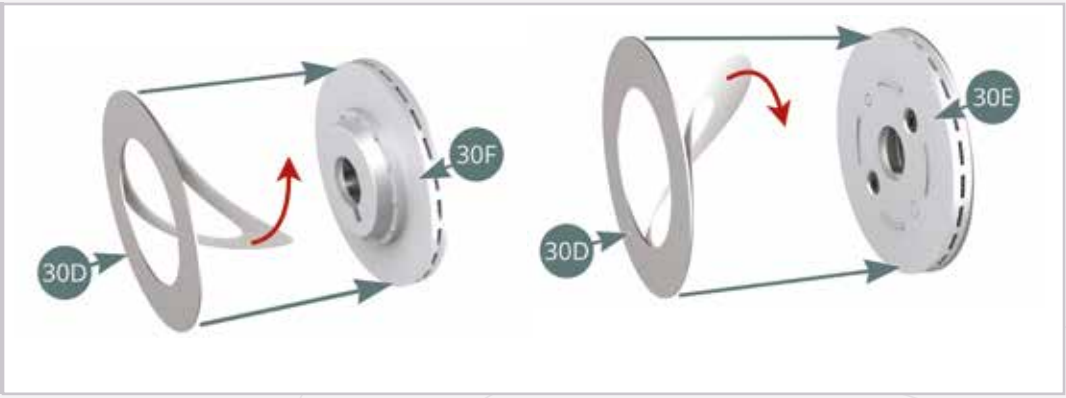
STEP 5

Fit 30H Right air blower support to 29H Upright upper body and fix with two IM screws.
Fit together 30E Inner rotor and 30F Outer rotor and hub and fix with two CP screws.



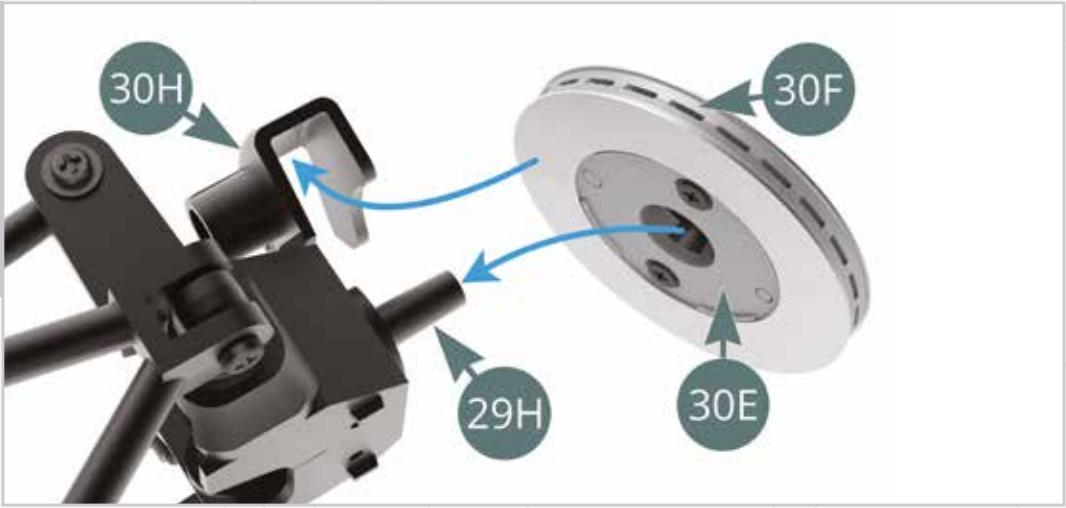
STEP 6

Peel away (red arrow) backing paper from 30D Brake disc and apply with its self adhesive side to 30F Outer rotor and hub.
Peel away (red arrow) backing paper from 30D Brake disc and apply with its self adhesive side to 30E Inner rotor.



STEP 7

Fit 30E-30F Right rotor with brake discs to 29H Upright stub axle, entering into 30H Right air blower support (blue arrows). Refer to illustration above and the next one.



STEP 8

Right rotor with brake discs is fitted to 29H Upright hub carrier.
Fit 30G Right caliper to 29H Upright upper body and fix with two IM screws.



STEP 9

Fit 30B Cylinders housing to 30G Right caliper.

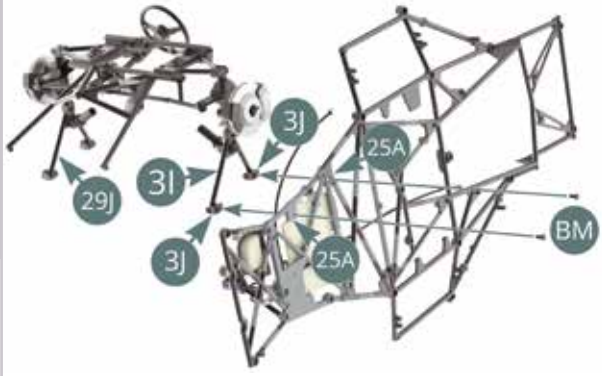




Preassembled Front suspension and Steering gear

STEP 10

Install preassembled Front suspension by fitting two 3J Lower wishbone mounts to 25A Chassis lower frame and fixing with two BM screws.

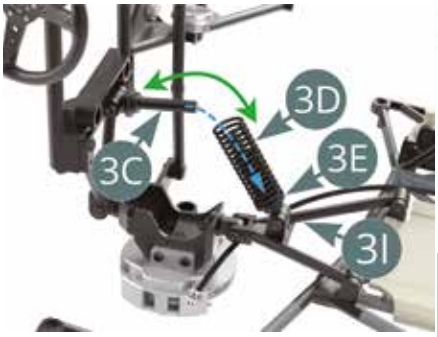


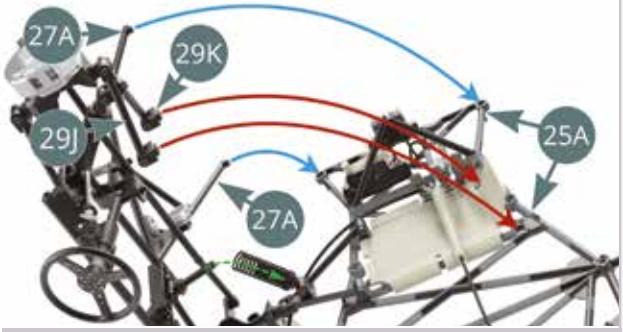


Fit 29E Suspension spring (interchangeable with 3D Spring) on 29F Suspension damper, and with mutual swinging motion (green arrow) fit 29D Piston rod into 29F Suspension damper via 29E Suspension spring (blue dashed arrow).

STEP 11

Fit 3D Suspension spring (interchangeable with 29E Spring) on 3E Suspension damper, and with mutual swinging motion (green arrow) fit 3C Piston rod into 3E Suspension damper via 3D Suspension spring (blue dashed arrow).

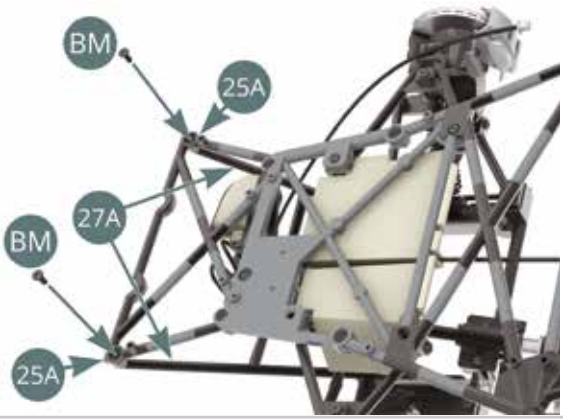




With swinging motion, align 27A Dashboard subframe front legs (blue arrows) and 29K Lower wishbone mounts (red arrows) to their respective nests on 25A Chassis lower frame.

STEP 12

Fix 27A Dashboard subframe front legs to forward extremities of 25A Chassis lower frame with two BM screws. Align two 29K Lower wishbone mounts to 25A Chassis lower frame upper right side nests.





STEP 13

Fix two 29K Lower wishbone mounts to 25A Chassis lower frame with two BM screws.





Front suspension and steering gear installed on Chassis frame

General view





Parts of the issue 31

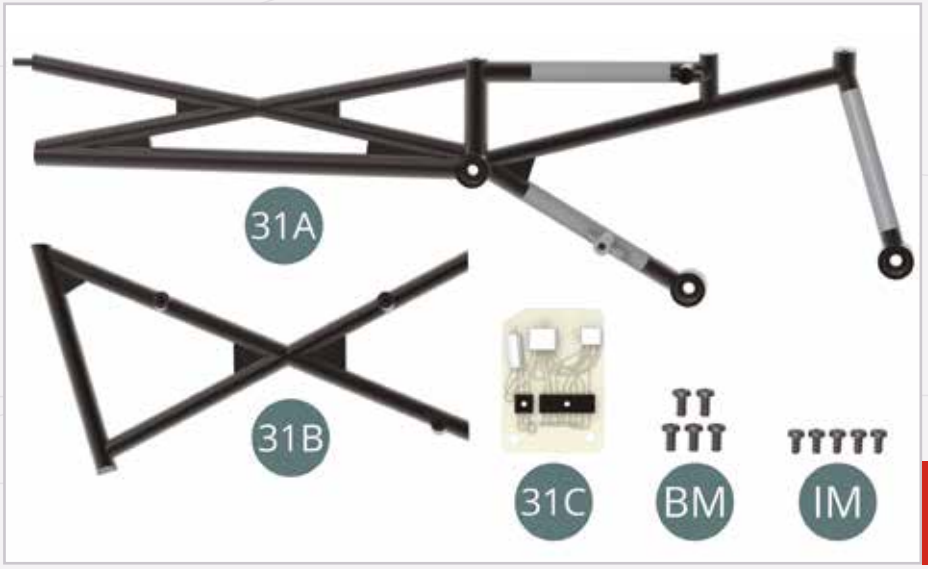
31A Frame

31B Frame

31C Junction panel

BM M2,0 x4mm (x5)

IM M1,7 x3,5mm (x5)



Cockpit framework assembly on chassis

Assembly diagram



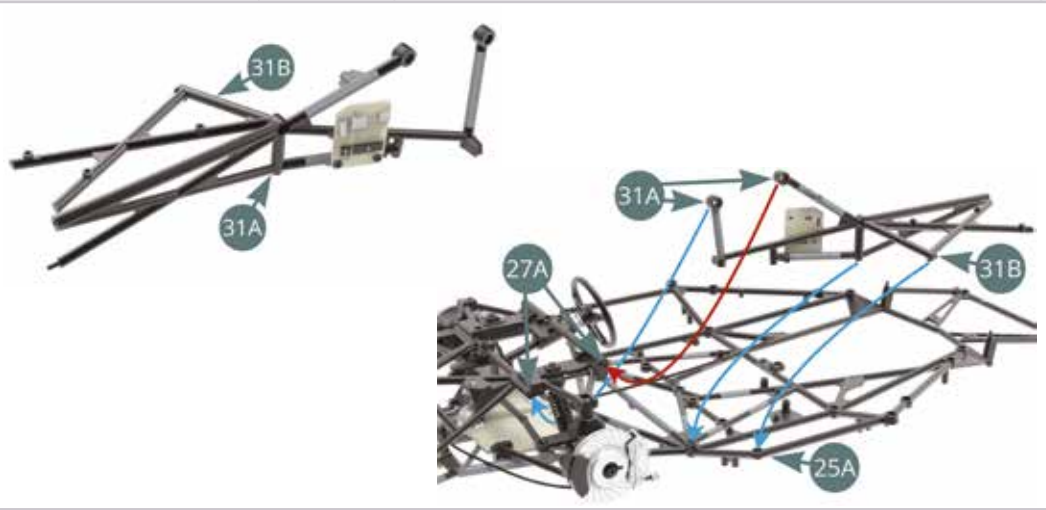
STEP 1

Fit 31C Junction panel to 31A Frame and fix with two IM screws.
Fit 31B Frame to 31A Frame and fix with IM screw.



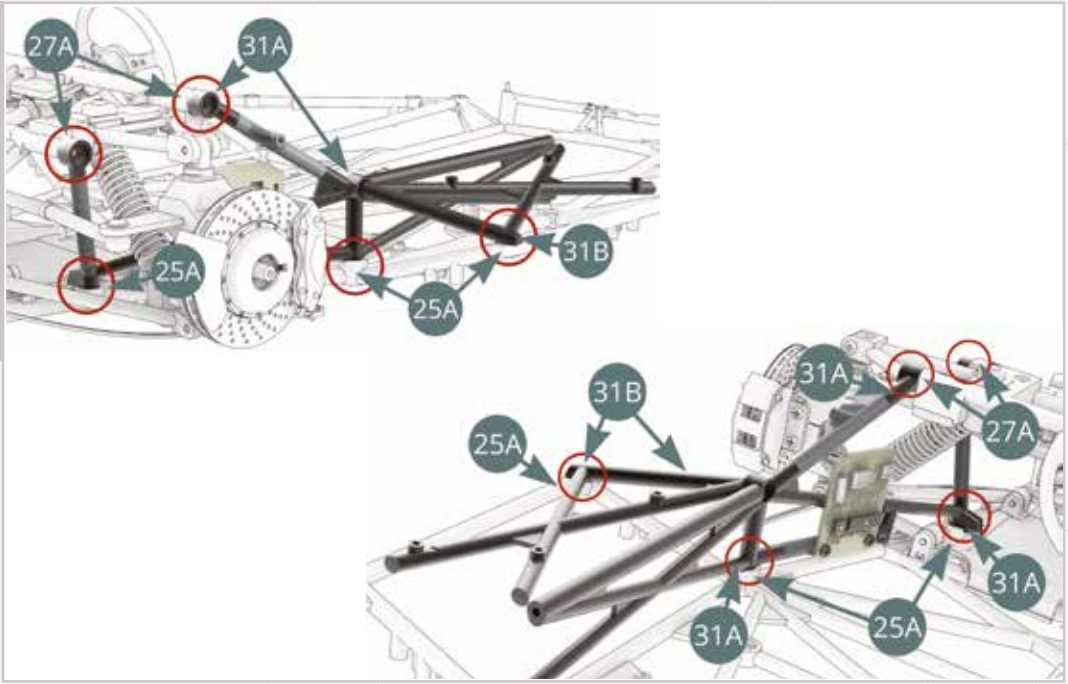
STEP 2

Install preassembled 31A-31B Framework (illustration above) to 25A Chassis lower frame and 27A Dashboard subframe (red and blue arrows on lower illustration). To better understand the connection points, study the illustrations on next page. Disregard perforated version of brake disc.



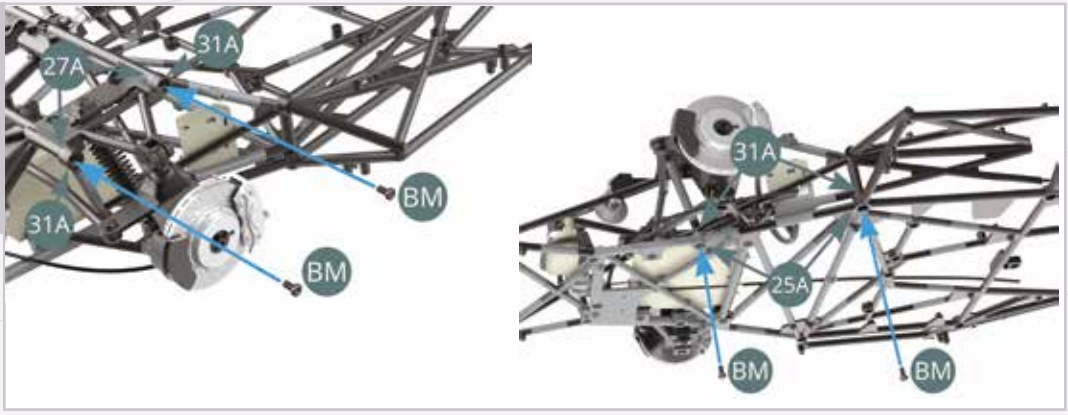
STEP 3

Please identify five red circled connection points between 31A-31B Framework and 25A Chassis frame / 27A Dashboard subframe, that will have to be secured with respective screws as shown on the following two pages.



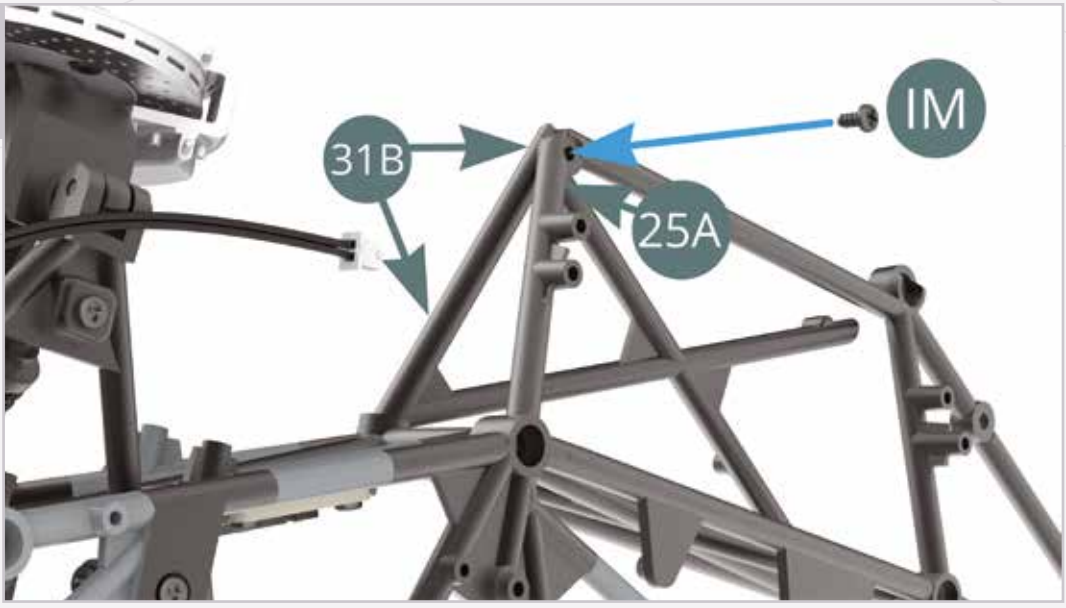
STEP 4

Fix 31A Frame to 27A Dashboard subframe with two BM screws.
Fix 31A Frame to 25A Chassis lower frame with two BM screws.

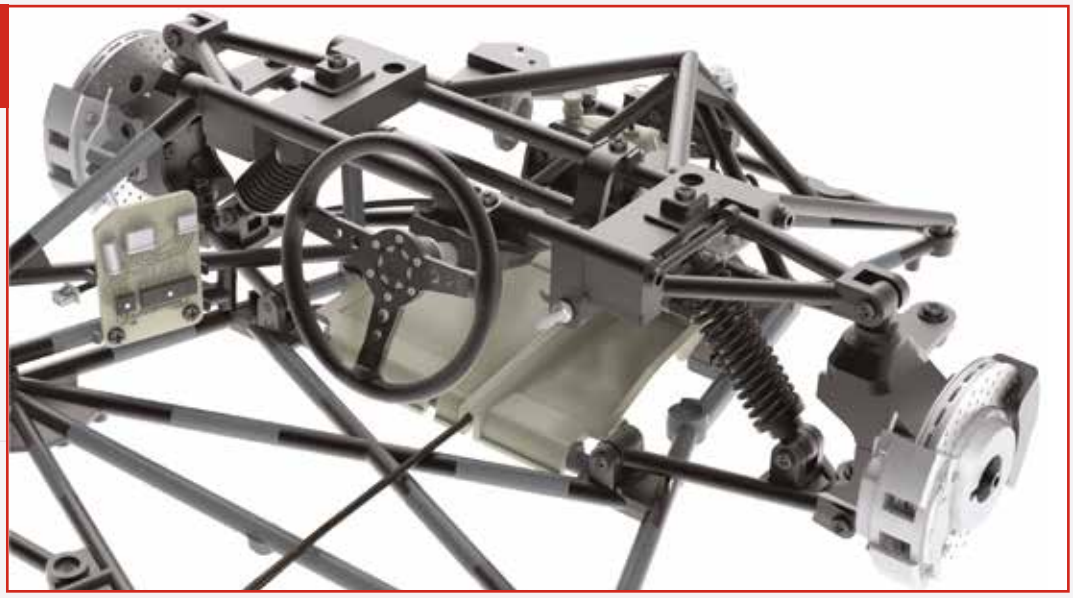


STEP 5

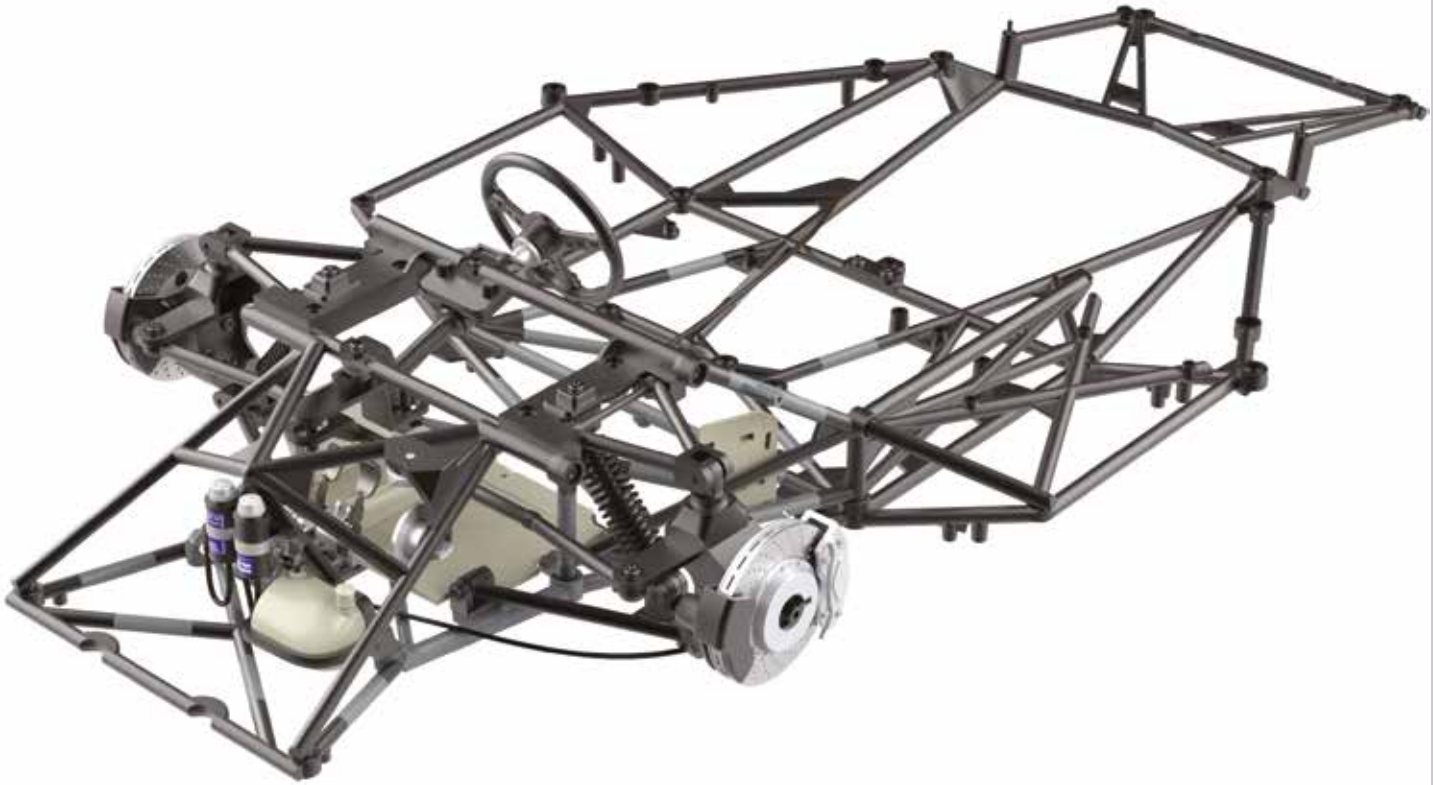
Fix 31B Frame to 25A Chassis lower frame with IM screw.

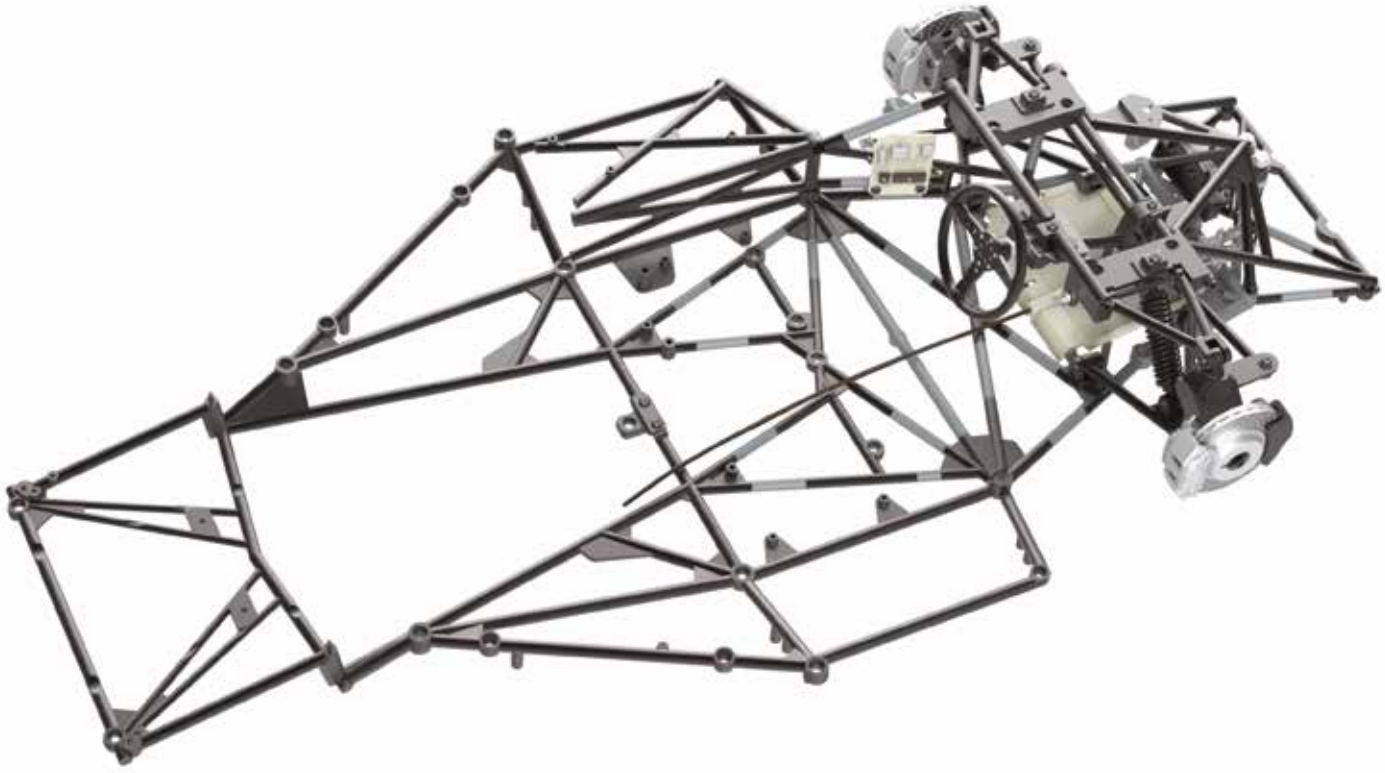


Resulting Cockpit area close up view



General view





Parts of the issue 32

32A Top panel

32B Left fuel tank

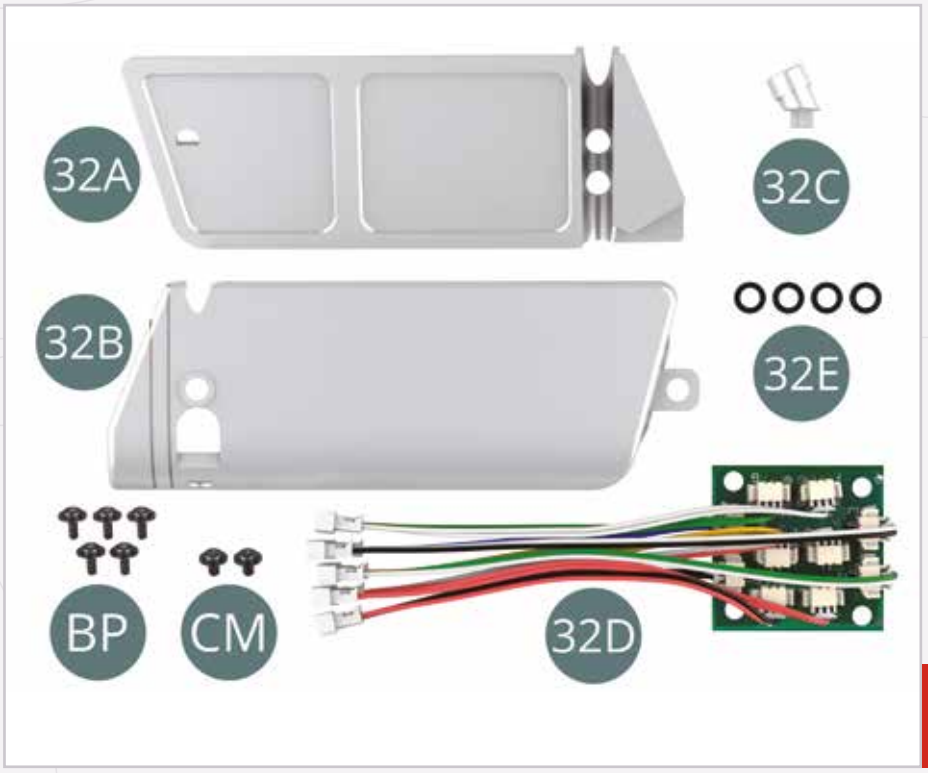
32C Low filler neck

32D Circuit board with wires

32E Spacer washers

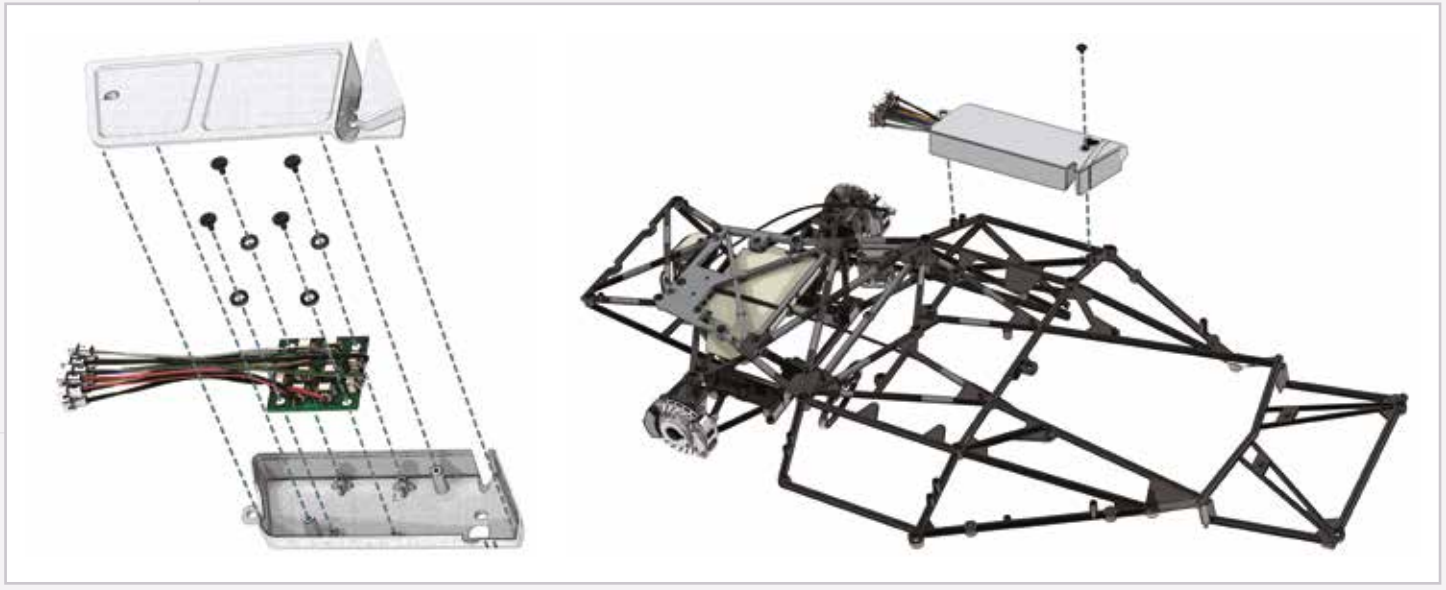
BP M1,7 x4x5mm (x5)

CM M2,0 x3x5mm (x2)



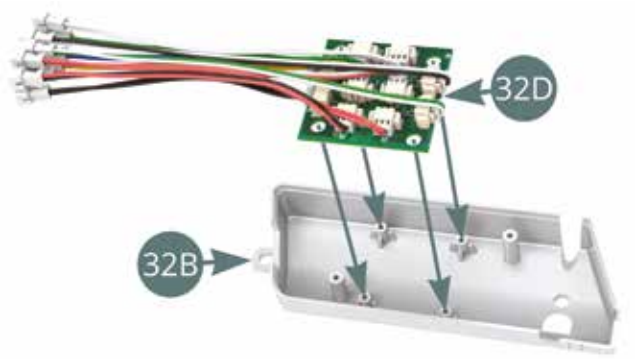
Left fuel tank and circuit board installation

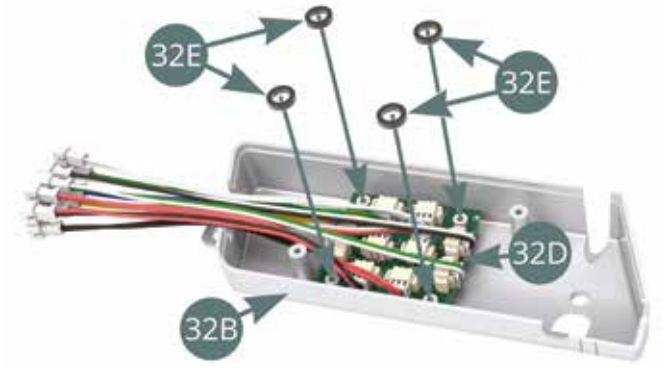
Assembly diagram



STEP 1

Fit 32D Circuit board to four pegs inside 32B Left fuel tank and then fit four 32E Spacer washers on top of them (upper and lower illustrations).





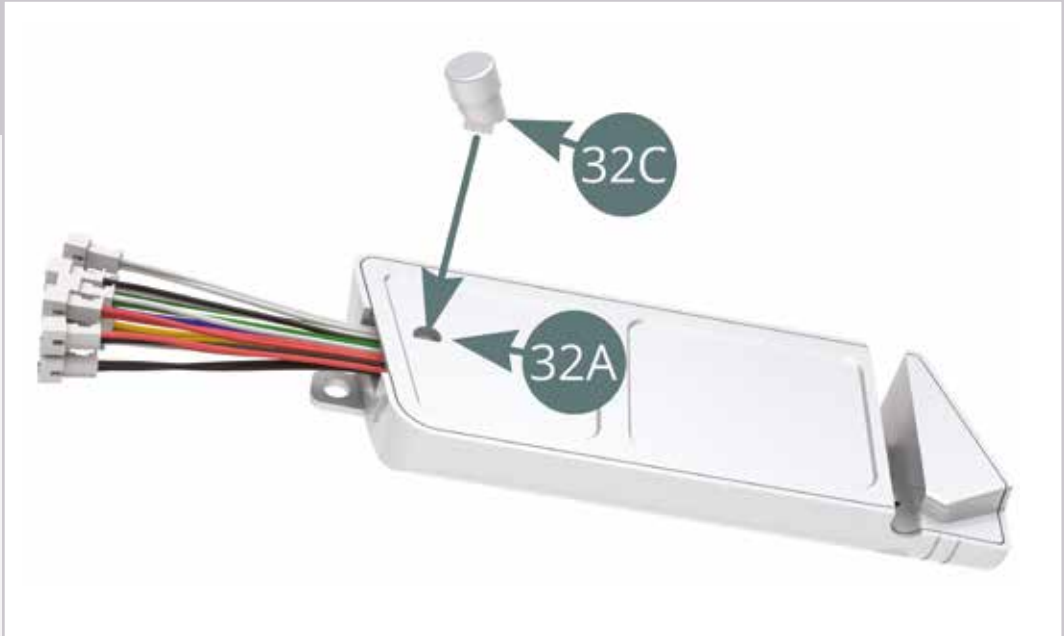
STEP 2

Fix 32D Circuit board to 32B Left fuel tank via 32E Spacer washers with four BP screws.
Fit 32A Top panel to 32B Left fuel tank connecting them on two pin joints (red arrows).



STEP 3

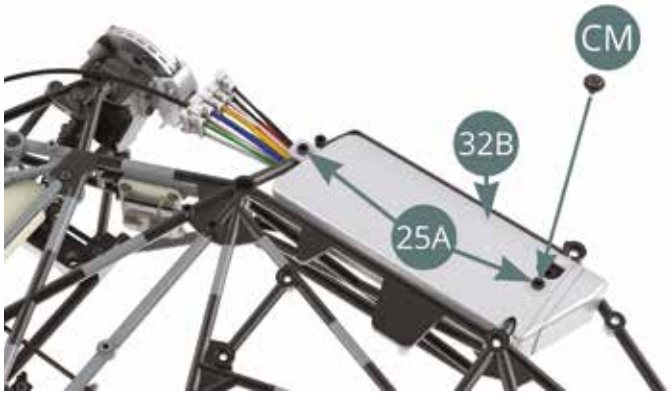
Fit 32C Low filler neck to 32A Top panel of Left fuel tank.



STEP 4

Fit 32B Left fuel tank to 25A Chassis frame pegs and fix with one CM screw (upper and lower illustrations). Refer to next page illustrations showing contact wires passage arrangement.

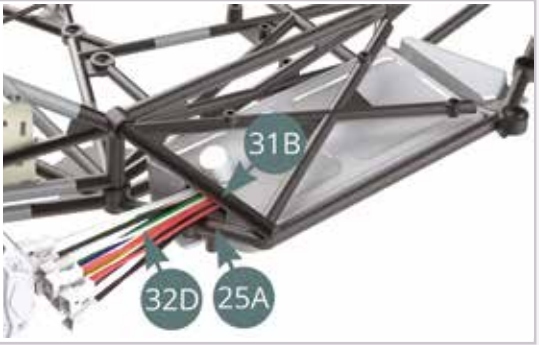




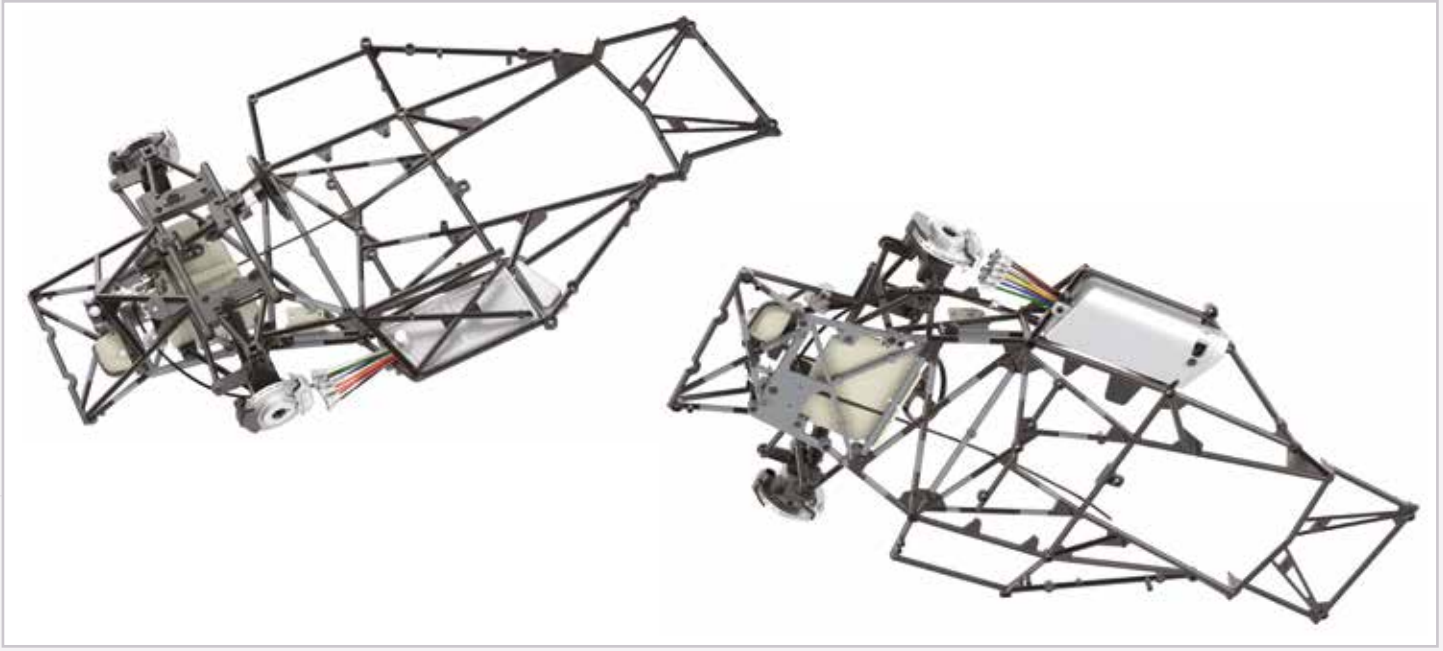
STEP 5

32D Contact wires should be passing between 25A and 31B Frame bars as shown on upper and lower illustrations.





General view



Parts of the issue 33

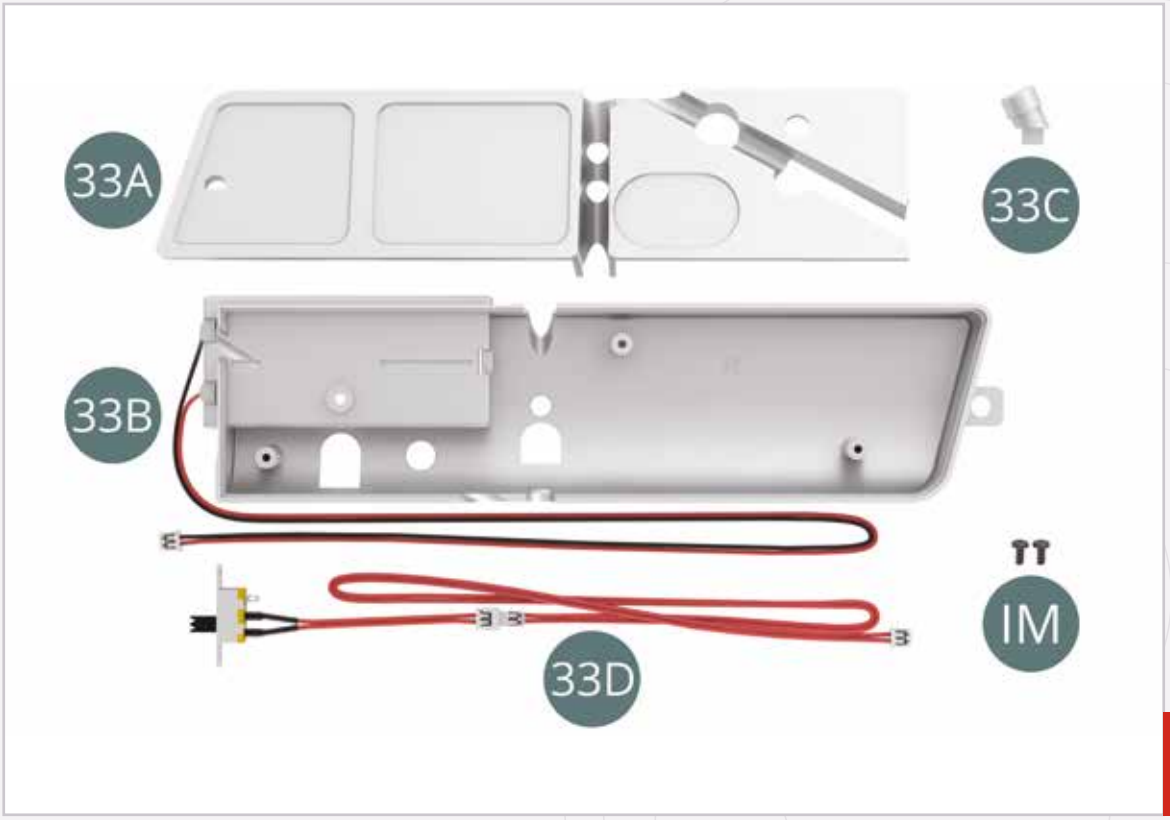
33A Top panel

33B Right fuel tank

33C Low filler neck

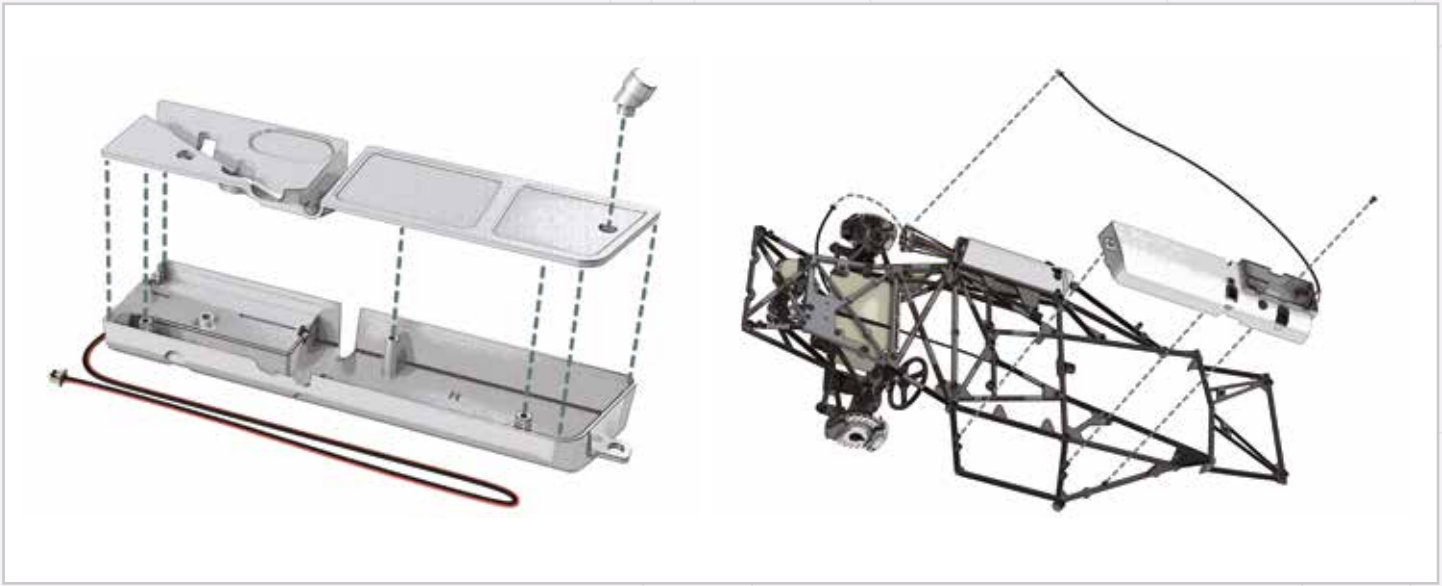
33D Switch cable (twin red)

IM M1,7 x3,5mm (x2)



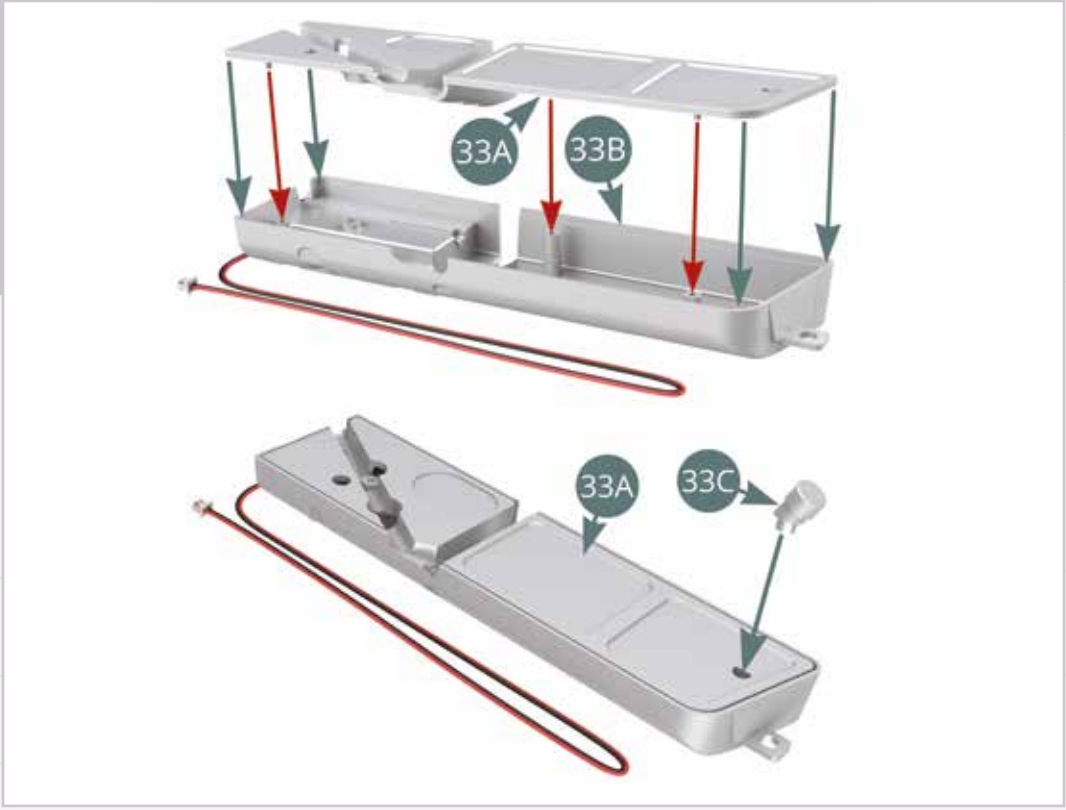
Right fuel tank installation

Assembly diagram



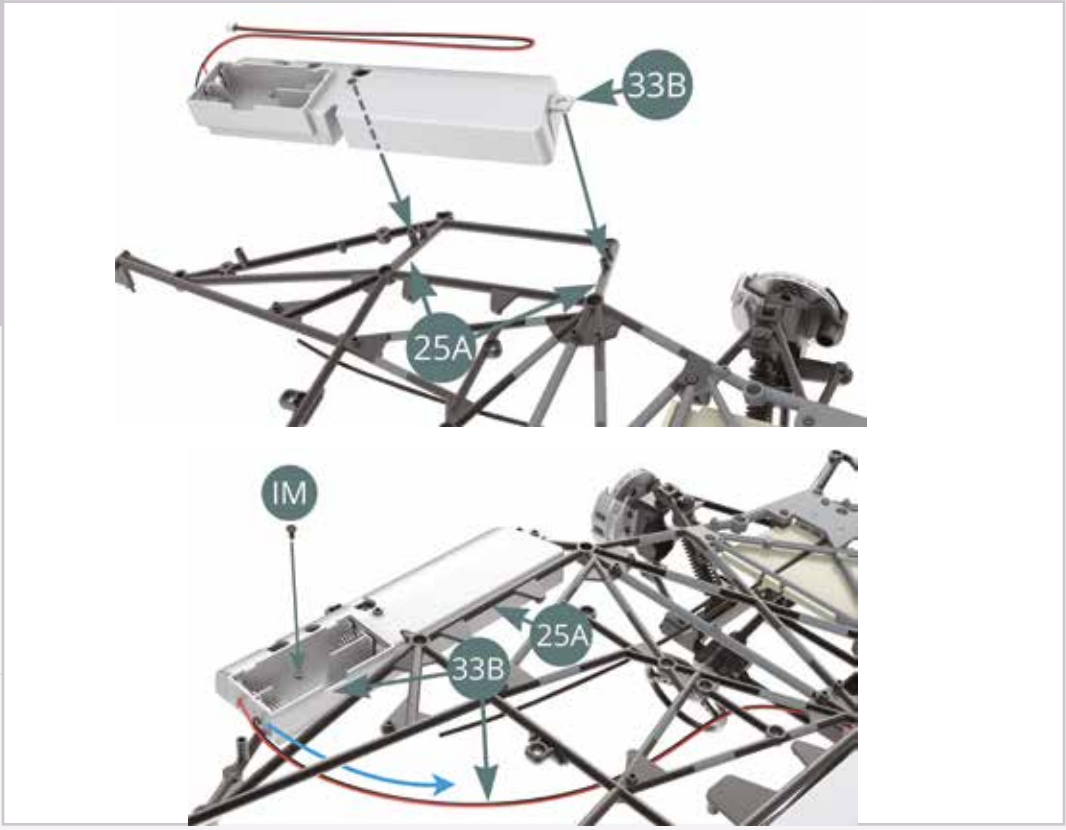
STEP 1

Fit 33A Top panel to 33B Right fuel tank connecting them on three pin joints (red arrows).
Fit 33C Low filler neck to 33A Top panel of Right fuel tank.



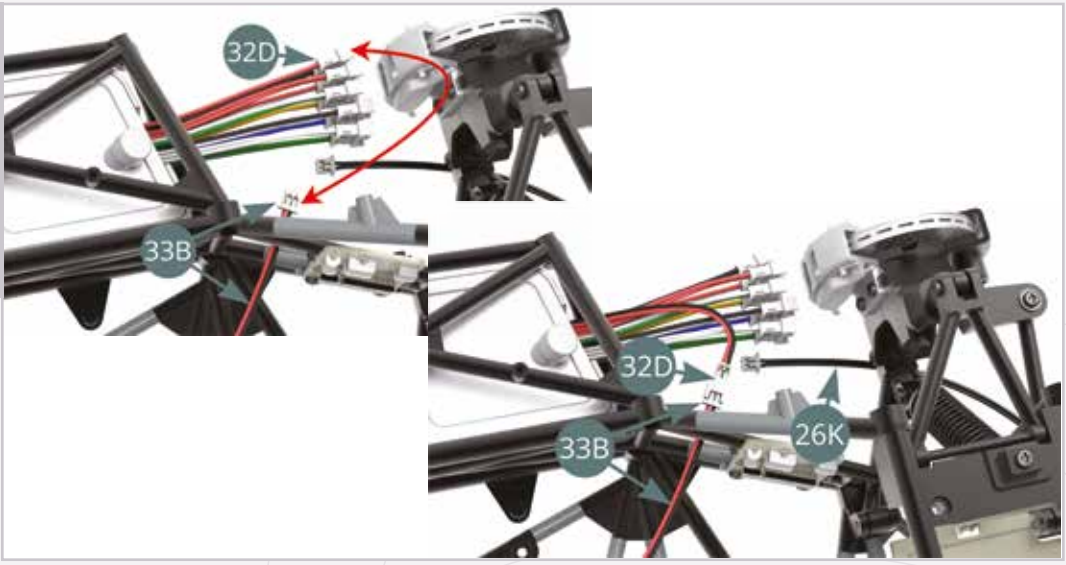
STEP 2

Fit 33B Left fuel tank to 25A Chassis frame pegs and fix with one IM screw (upper and lower illustrations).
Pass 33B Red - black cable to the upper side of 25A Chassis frame (blue arrow).



STEP 3

Plug 33B Red - black cable (note its passage through framework bars) of battery compartment to 32D Circuit board Red - black cable socket (upper and lower illustrations).

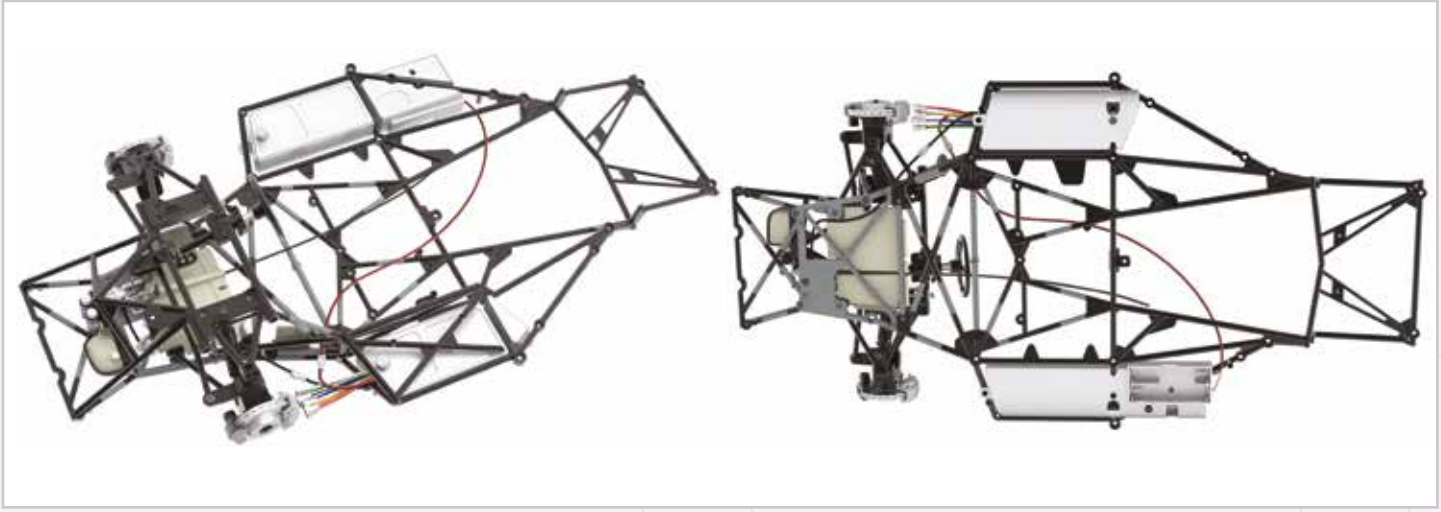


STEP 4

Lead 26K Twin black cable along 26A Foot plate, then through the chassis framework bars and plug to 32D Circuit board twin black cable socket (upper and lower illustrations).



GENERAL VIEW



Parts of the issue 34

34A Frame

34B Frame

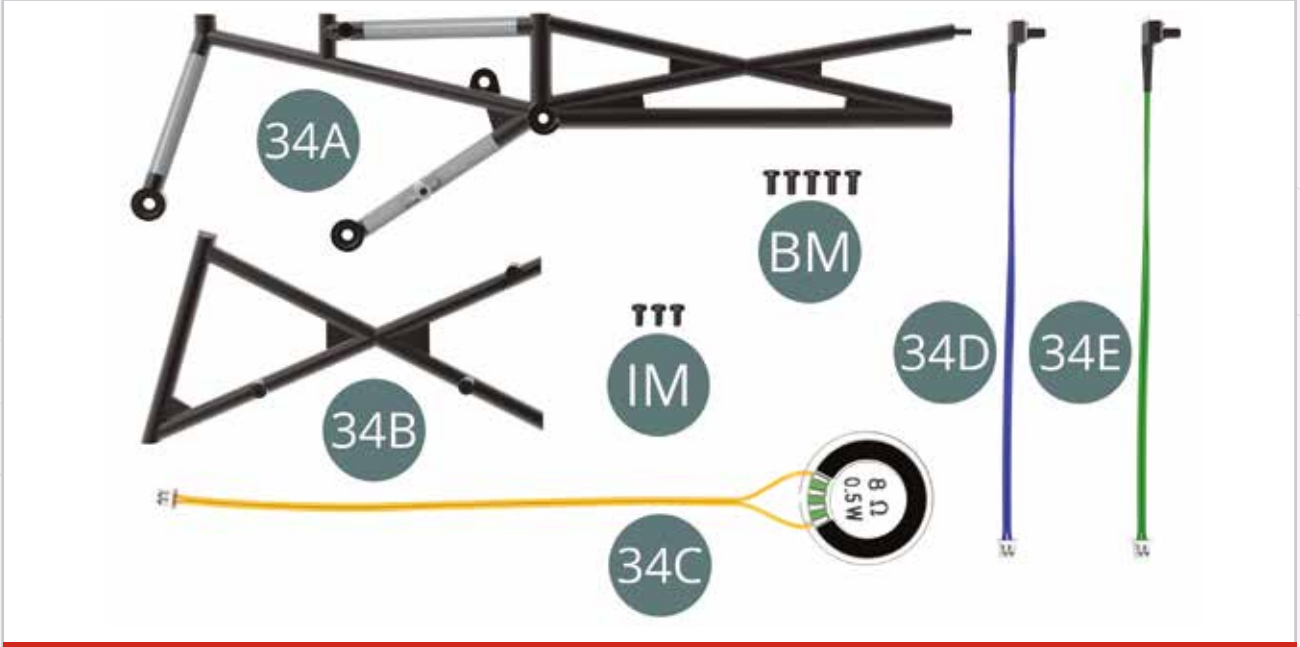
34C Speaker (yellow cable)

34D Engine sound switch (blue cable)

34E Horn sound switch (green cable)

BM M2,0 x4mm (x5)

IM M1,7 x3,5mm (x3)



Cockpit framework assembly on chassis. (34C, 34D and 34E will be used later, in next assembly stages)

Assembly diagram



STEP 1

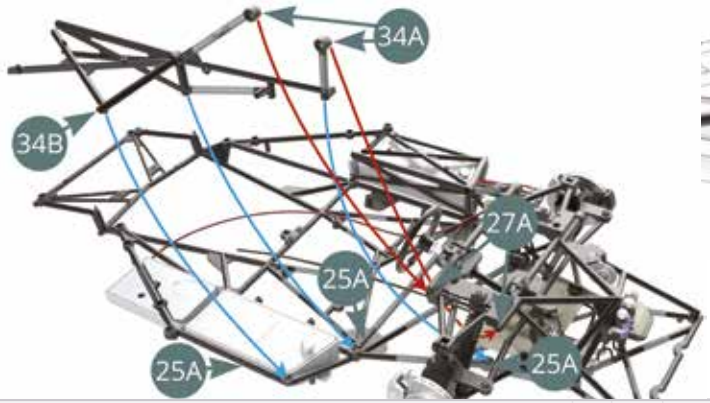
Fit 34B Frame to 34A Frame and fix with IM screw (upper and lower illustrations).

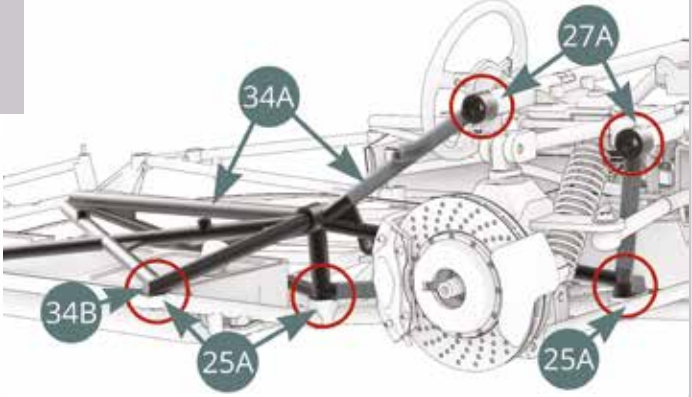


Preassembled 34A-34B Framework

STEP 2

Install preassembled 34A-34B Framework (illustration above) to 25A Chassis lower frame and 27A Dashboard subframe (red and blue arrows).

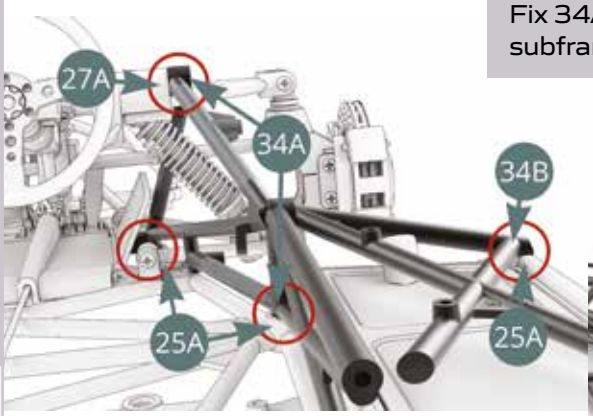




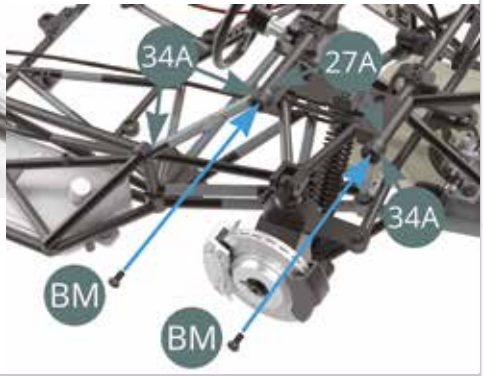
To better understand the connection points, study the next two illustrations. Disregard perforated version of brake disc.

STEP 3

Please identify red circled connection points between 34A-34B Framework and 25A Chassis frame / 27A Dashboard subframe, that will have to be secured with respective screws as shown on the following three illustrations.

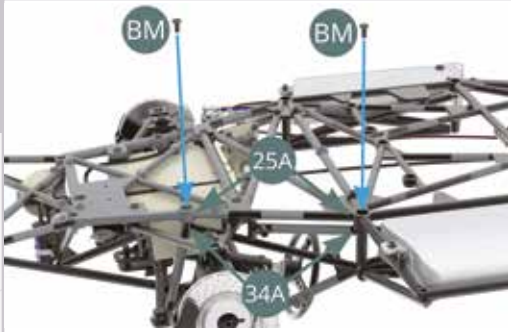


Fix 34A Frame to 27A Dashboard subframe with two BM screws.



STEP 4

Fix 34A Frame to 25A Chassis lower frame with two BM screws.





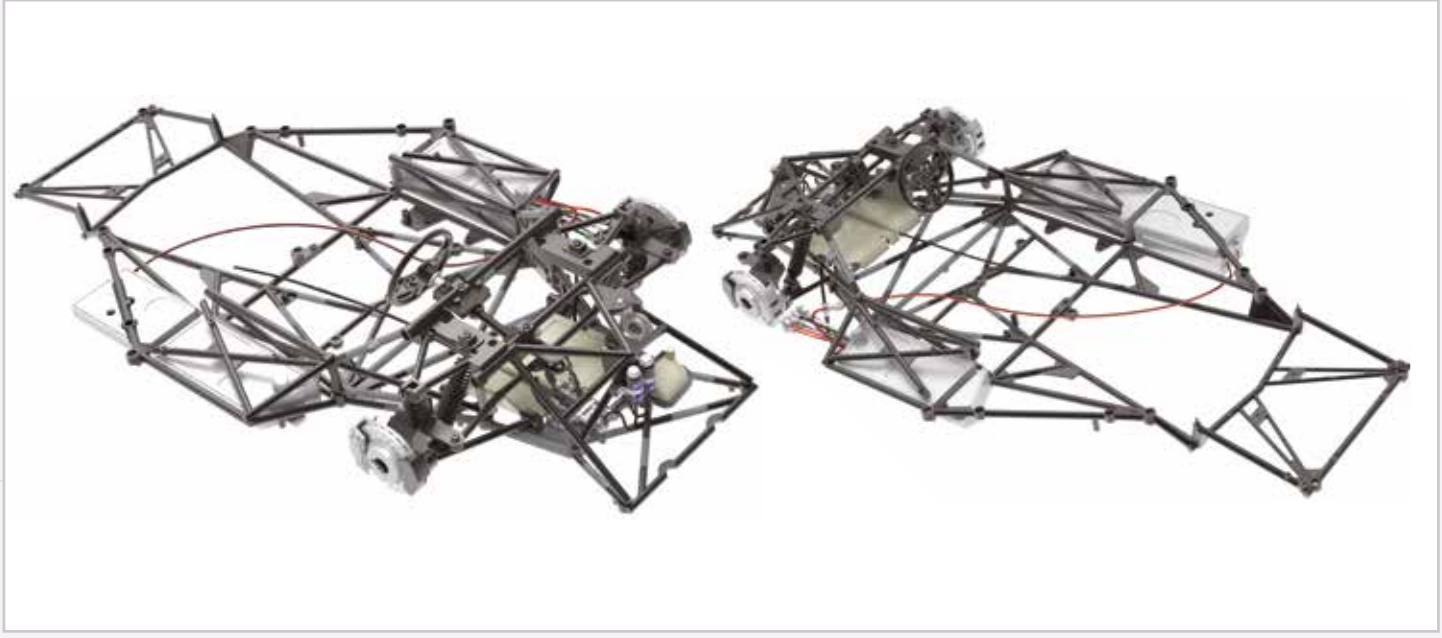
Fix 34B Frame to 25A Chassis lower frame with IM screw.

STEP 5

The installation of 34A-34B Framework on 25A Chassis lower frame is completed.



GENERAL VIEW



Parts of the issue 35

35A Left mudguard

35B Right mudguard

35C Washer

35D Left brake line

35E Right brake line

35F Headlight LED cable (white-green)

35G Rear light LED cable (black - white)

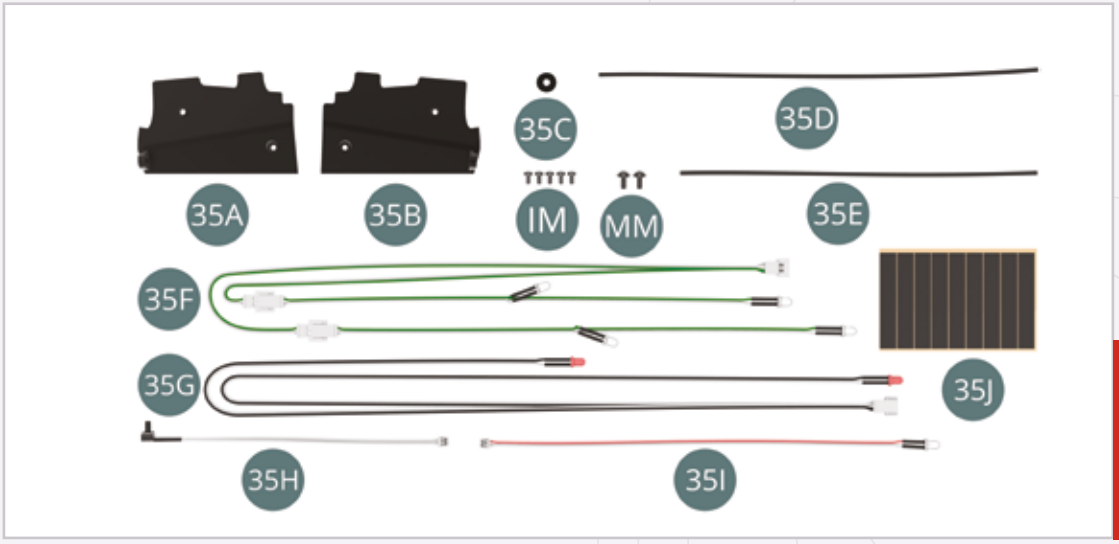
35H Light switch cable (white)

35I Instrument light LED cable (red-white)

35J Tape strips (x6)

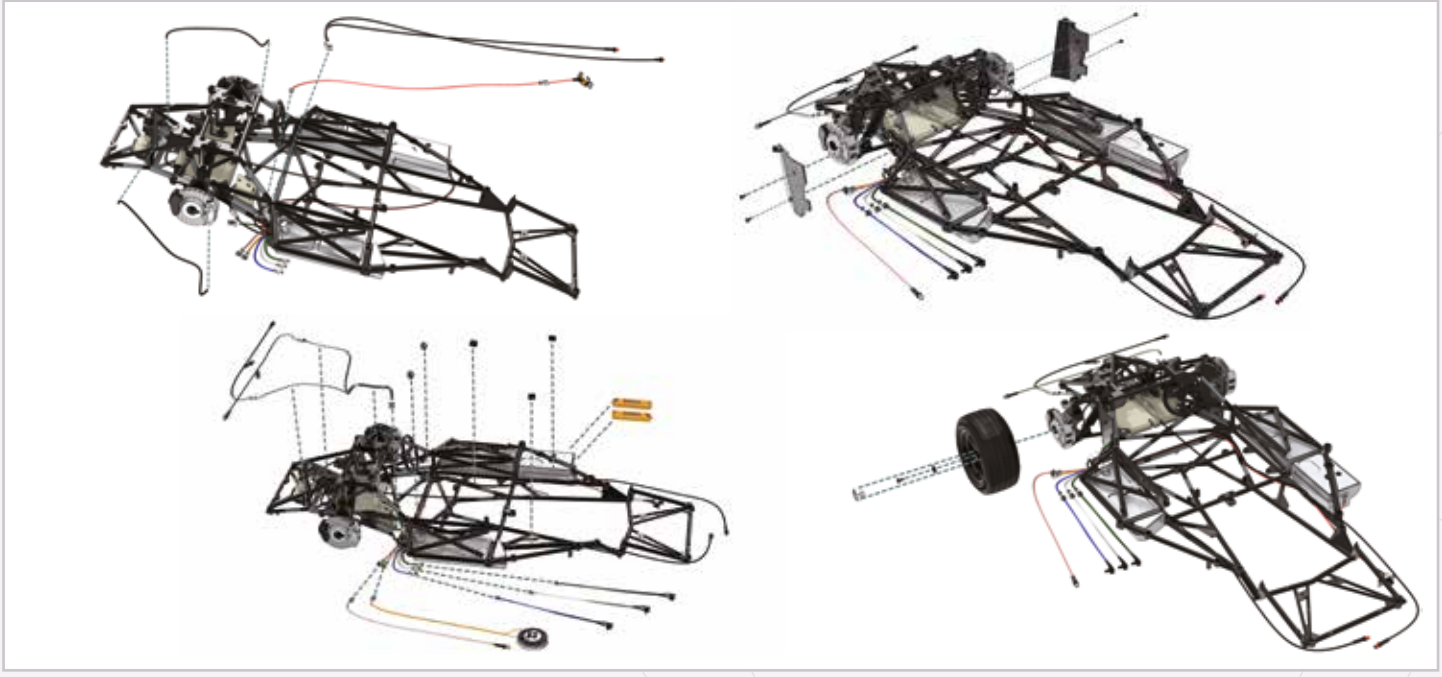
IM M1,7 x3,5mm (x5)

MM M2,0 x5x5mm (x2)



Electric cables installation and functions testing. Mudguard and front left wheel installation

Assembly diagram



STEP 1

The above preview shows 35E Right and 35D Left brake lines overall layout, to be achieved in following four assembly steps.



STEP 2

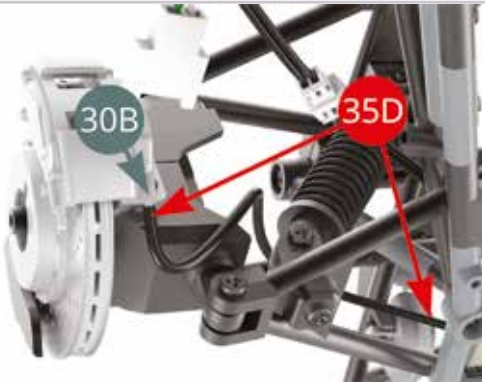
Fit 35E Right brake line to 30B Cylinders housing lower pin. Lead and attach the other end of 35E Right brake line to 26H Right master cylinder pin (upper and lower illustrations).

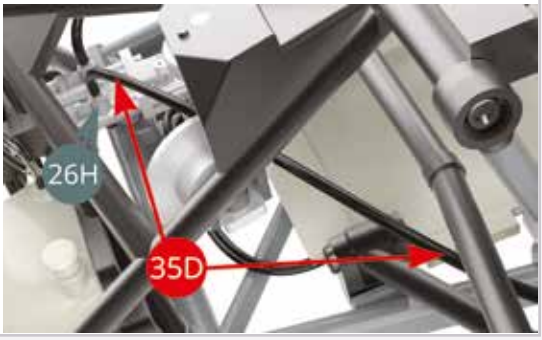




STEP 3

Fit 35D Left brake line to 30B Cylinders housing lower pin. Lead and attach the other end of 35D Left brake line to 26H Left master cylinder pin (upper and lower illustrations).

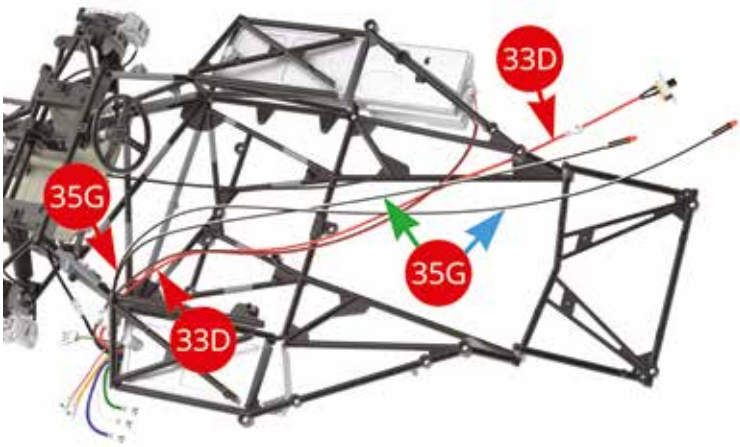




STEP 4

Connect 35G Rear light LED cable (black - white) and 33D Switch cable (red) to same color cables of 32D Circuit board.

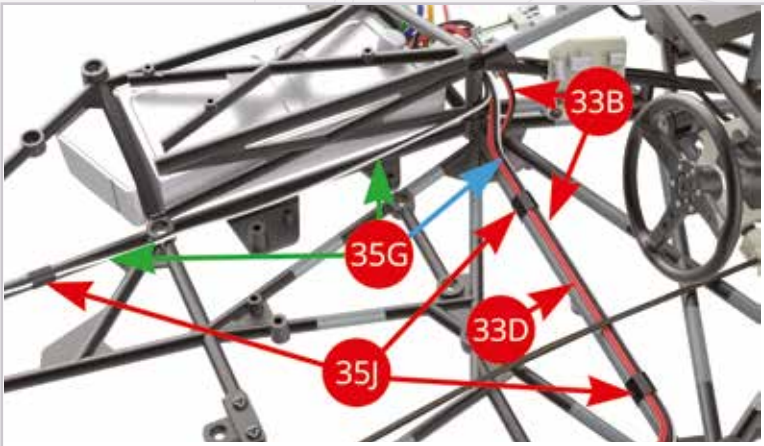




Take note of longer and shorter (black-white) cables 35G on lower image.

STEP 5

Lead 33B Right fuel tank cable (black-red), 33D Switch cable (red) and 35G Rear light LED longer cable (black - white) to the right side of chassis and tie with two 35J Tape strips to supporting frame rod. Lead 35G Rear light LED shorter cable (black - white) along left side of chassis and tie with one 35J Tape strip to supporting frame rod.

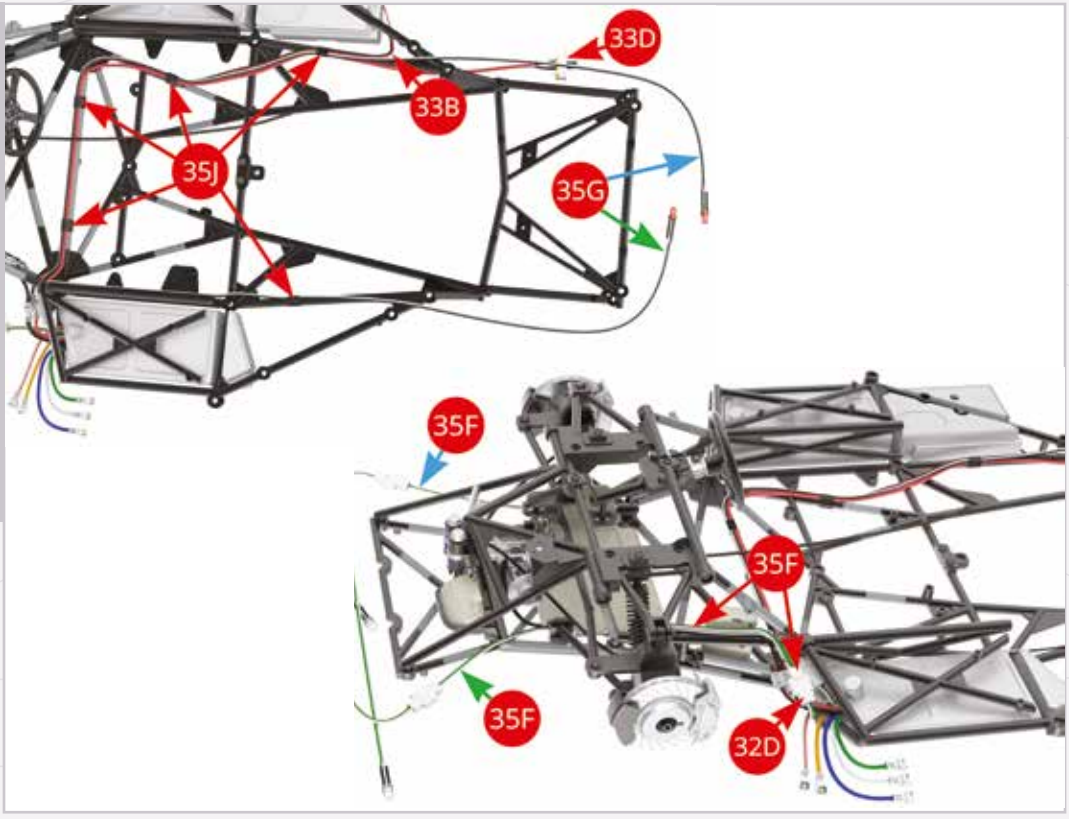




Fix with two more 35J Tape strips 33B Right fuel tank cable (black-red), 33D Switch cable (red) and 35G Rear light LED longer cable (black - white) along the right side of chassis frame.

STEP 6

33B Right fuel tank cable (black-red), 33D Switch cable (red) and 35G Rear light LED cable (black - white) installed on chassis frame. Connect 35F Headlight LED cable (white-green) with same color cable of 32D Circuit board, note Longer and Shorter ends of 35F Cable, their installation is shown in close up detail on next page.



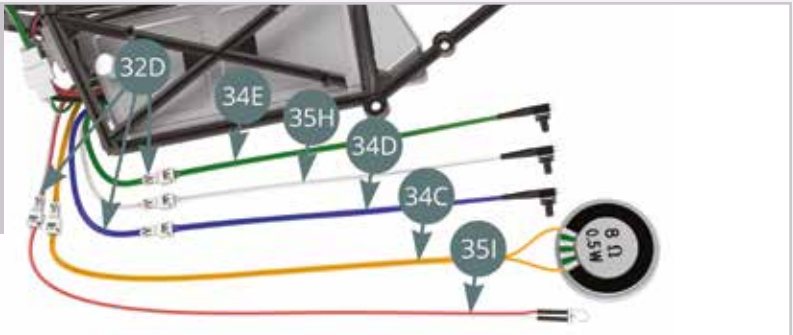
STEP 7

Note the passage of longer Right and shorter Left 35F Headlight LED cables (white-green) on upper and lower illustrations.

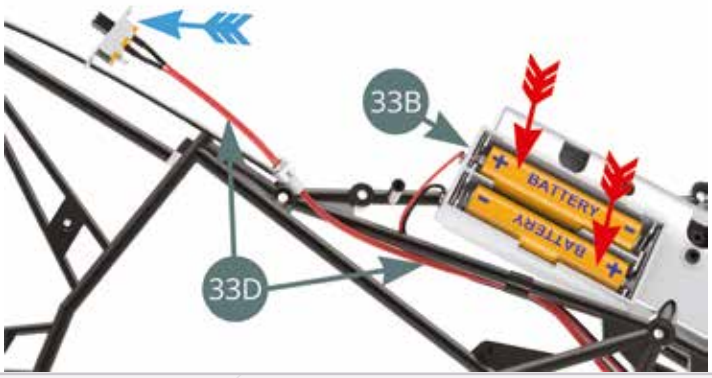


STEP 8

Connect with same color cables of 32D Circuit board with: 34E Horn sound switch cable (green), 35H Light switch cable (white), 34D Engine sound switch cable (blue), 34C Speaker cable (yellow) and 35I Instrument panel light cable (red-white).



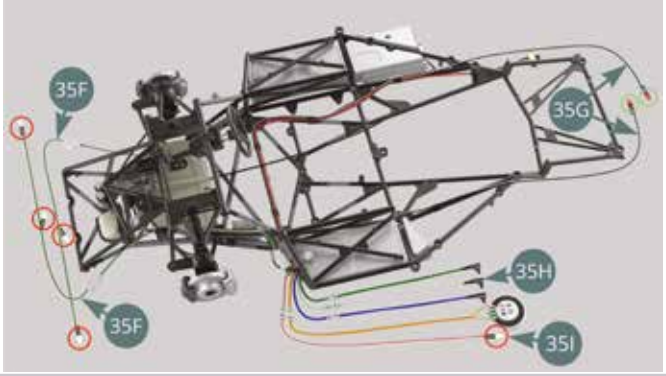
Fit two AAA size batteries (not included) into 33B Battery compartment (red arrows). Turn 33D Power switch ON (blue arow).



STEP 9

Press 34E Horn sound switch (green cable) to hear Horn sound from 34C Dynamic. Press 34D Engine sound switch (blue cable) to hear Engine sound from 34C Dynamic.

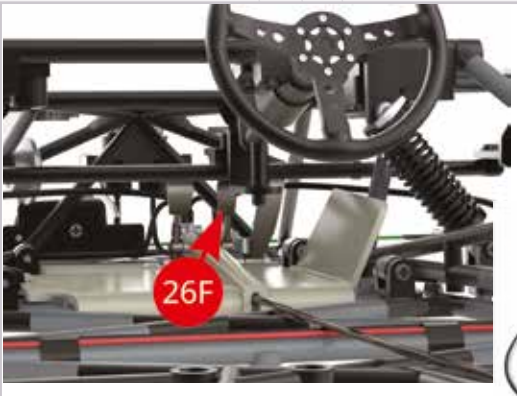




Dim the light for starker effect and press 35H Light switch (white cable) to observe 35F Headlight LEDs, 35I Instrument panel LED (red circled) glow warm white, and 35G Rear light LEDs glow red (green circled).

STEP 10

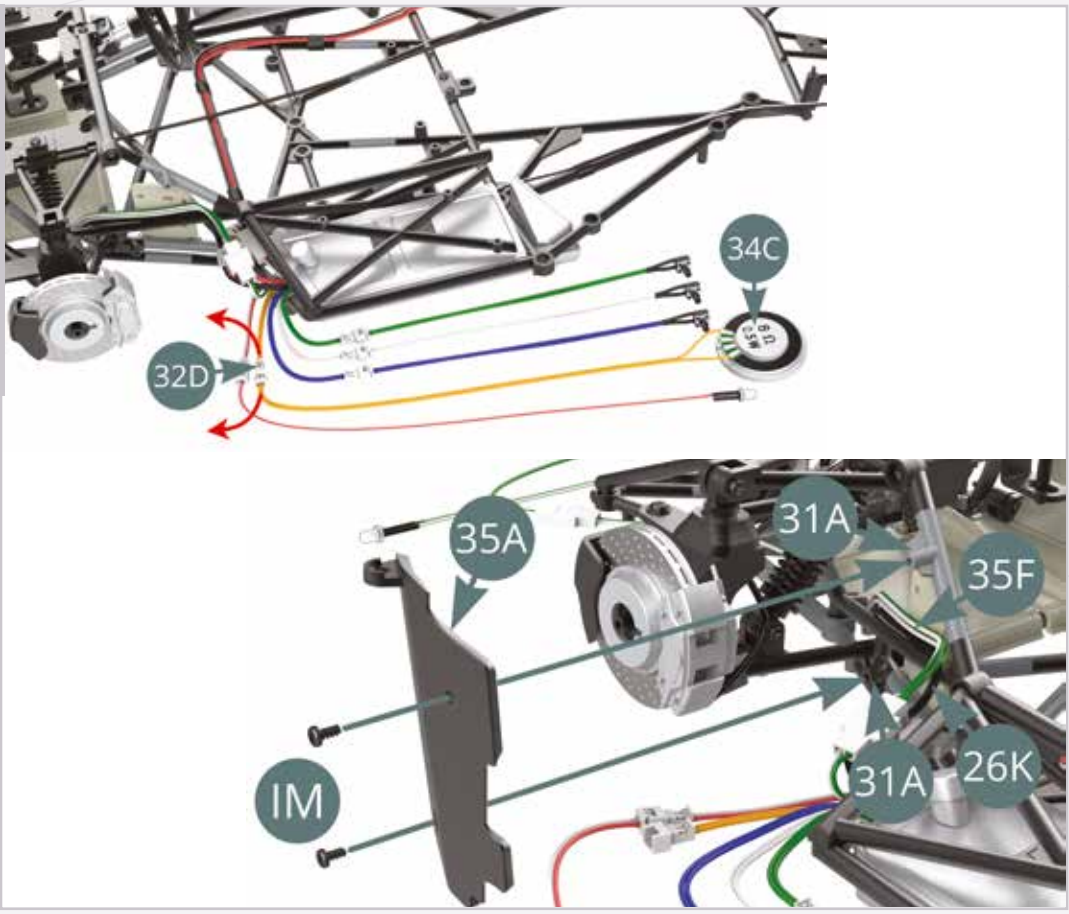
Reach with screwdriver tip and press middle 26F Brake pedal to observe 35G Rear red brake LEDs go on.
Upper and lower illustrations.
Having tested all electric functions, turn Power switch OFF (red arrow).





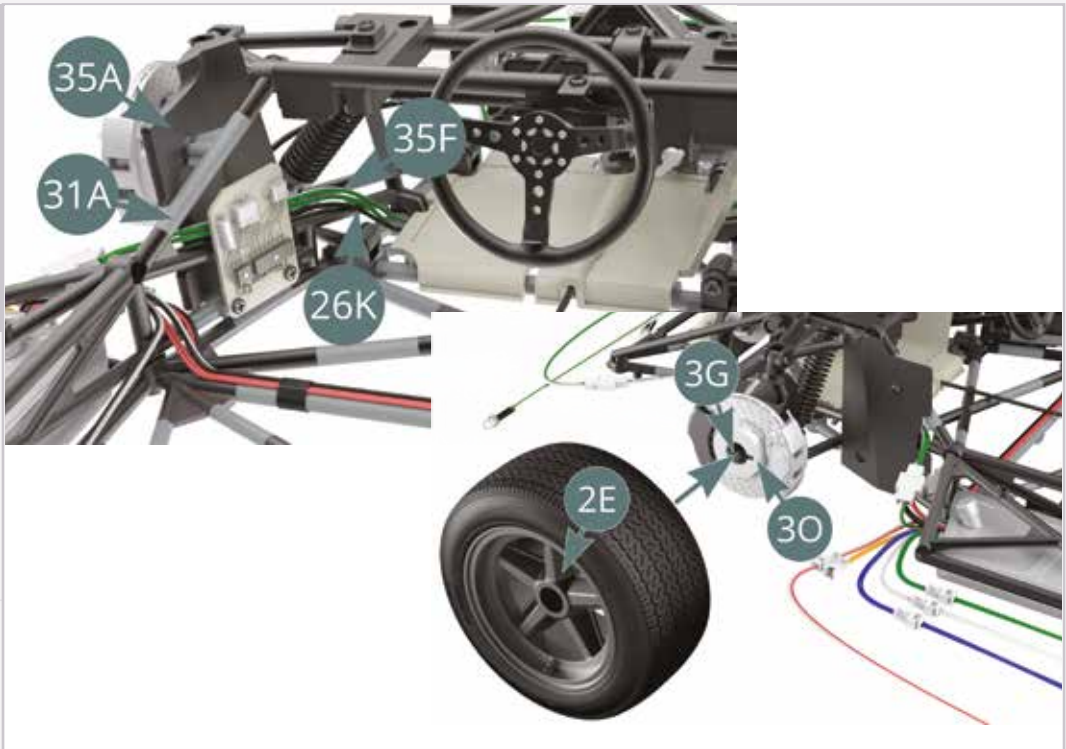
STEP 11

Disconnect 34C Speaker yellow cable from 32D Circuit board yellow cable, to keep it safe during next assembly steps.
Fit 35A Left mudguard to 31A Frame (hiding 35F and 26K cables behind it) and fix with two IM screws.



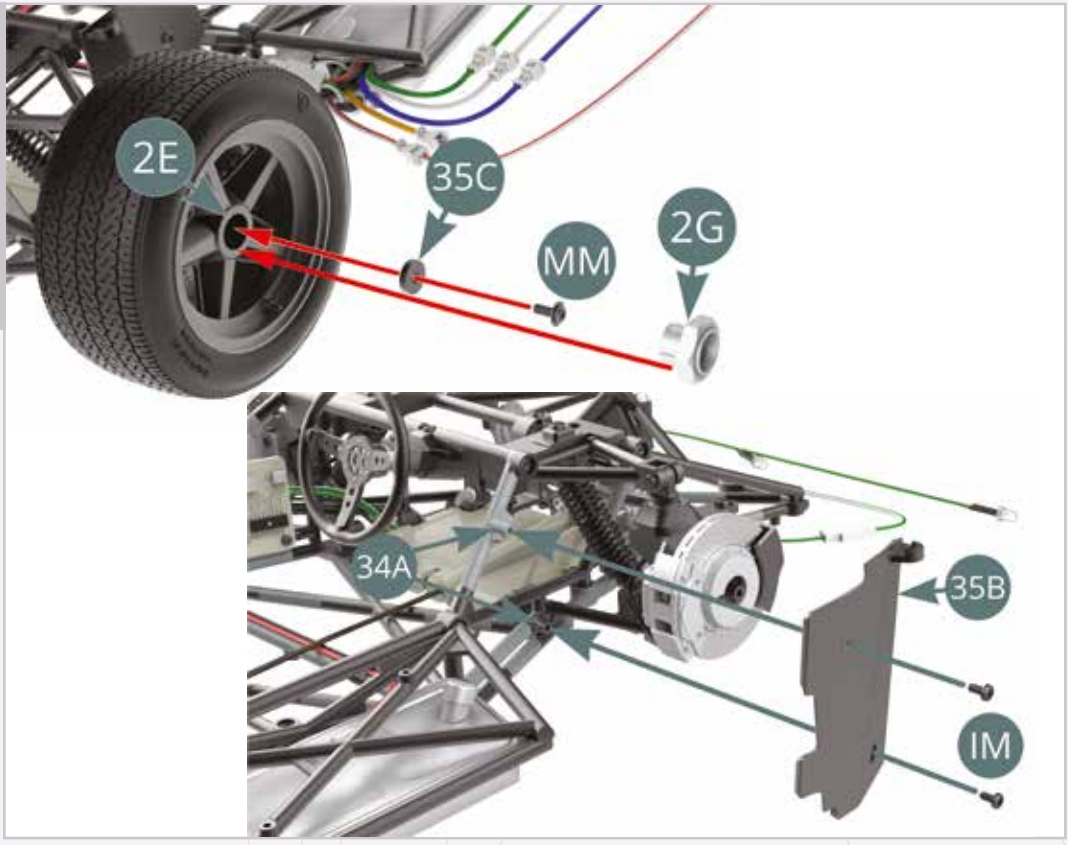
STEP 12

Note the position of 35F (green-white) and 26K (black) cables after 35A Left mudguard is installed.
Fit Left front wheel by 2E Wheel hub to 3G Axle (turning slightly to catch into 3O Hub slot).

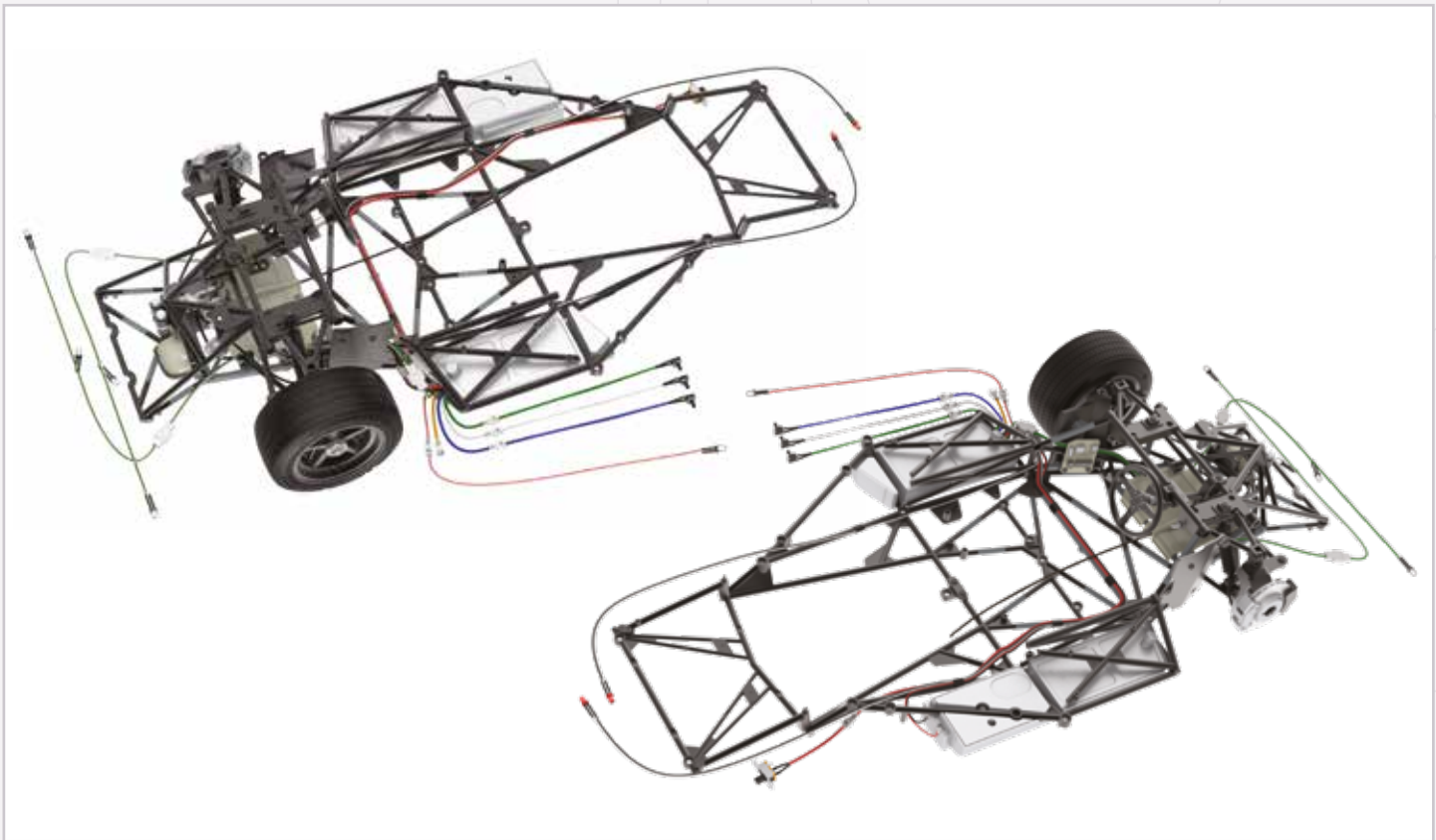


STEP 13

Fix 2E Wheel rim hub with MM screw via 35C Washer.
Fit 2G Hub nut to 2E Wheel rim hub.
Fit 35B Right mud-guard to 34A Frame and fix with two IM screws.



General view



Parts of the issue 36

36A Front tire

36B Outer front wheel rim

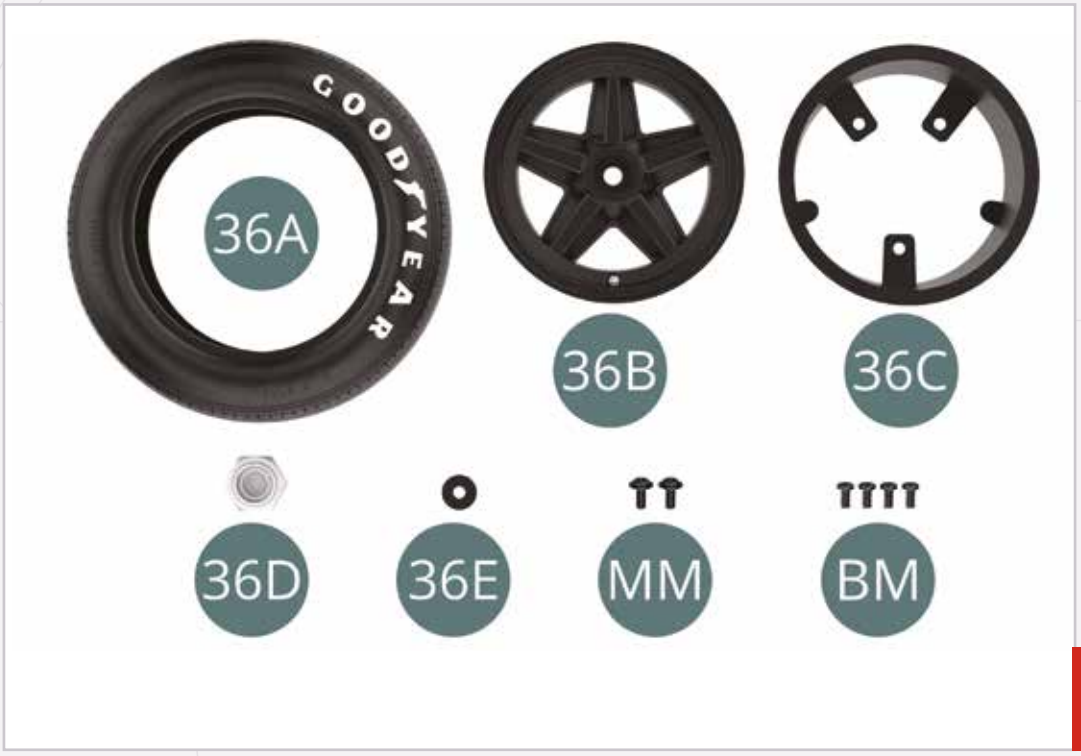
36C Inner front wheel rim

36D Hub nut

36E Washer

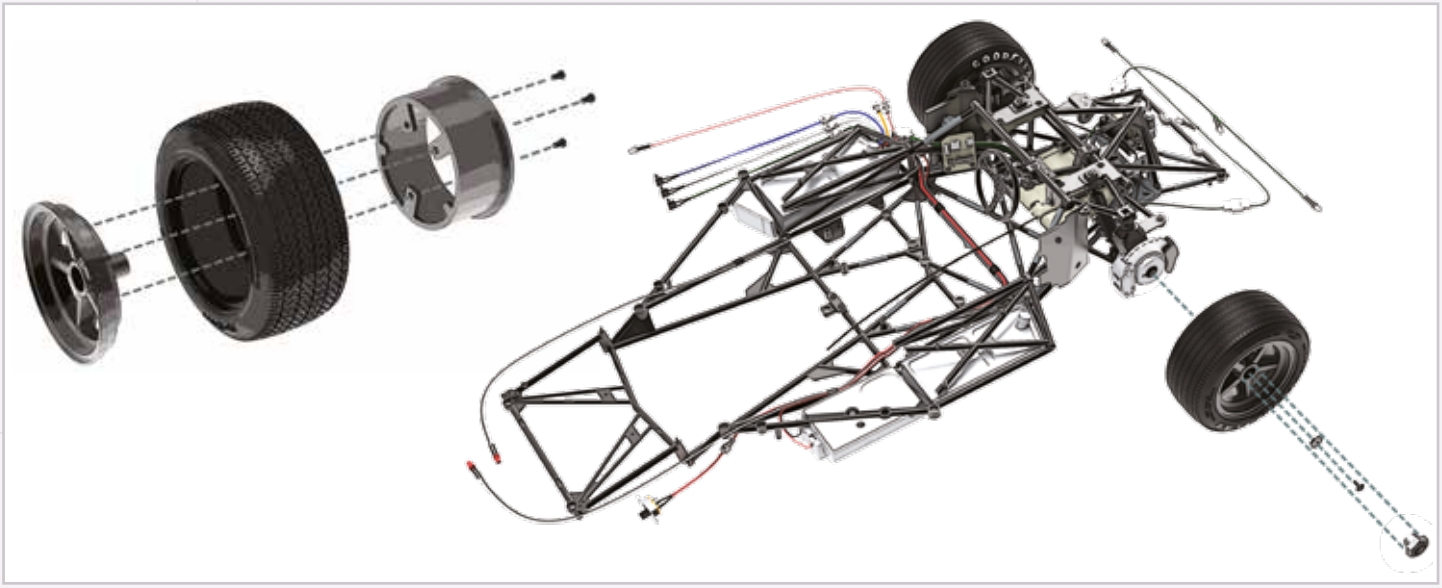
BM M2,0 x4mm (x4)

MM M2,0 x5x5mm (x2)



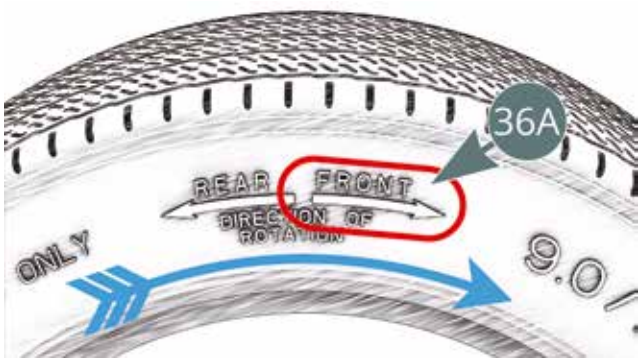
Right front wheel assembly and installation

Assembly diagram



STEP 1

Identify wheel rotation direction Front arrow marking on 36A Tire. Blue arrow points Right Front Wheel rotation.
Put 36A Front right tire for two minutes into hot water, and then fit it over 36B Outer front wheel rim with FRONT arrow rotation direction marking on its outer side (upper and lower illustrations).

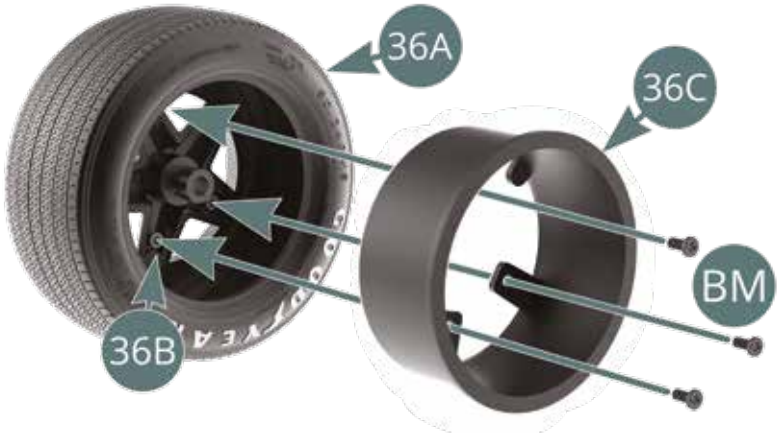




STEP 2

36A Front right tire with attached 36B Outer front wheel rim.
Fit 36C Inner front wheel rim to 36B Front tire and fix to 36B Outer front wheel rim with three BM screws.





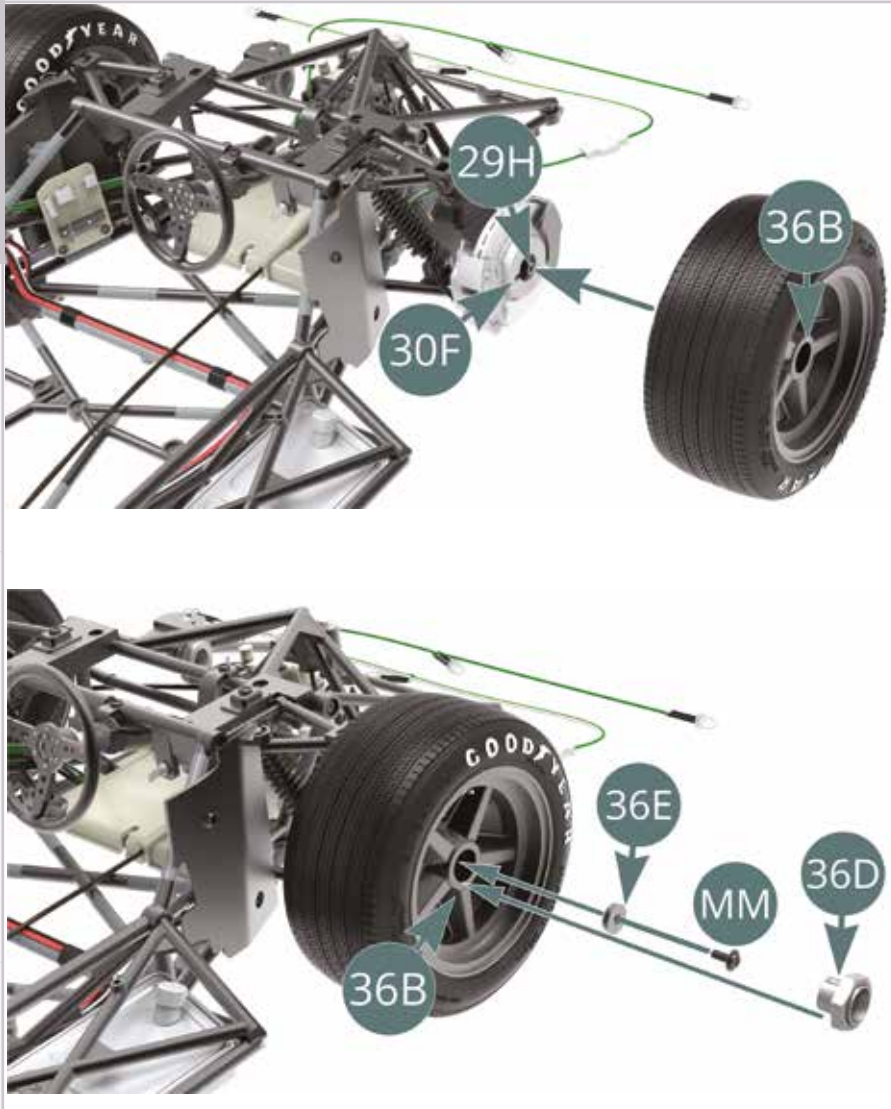
STEP 3

Preassembled Front wheel

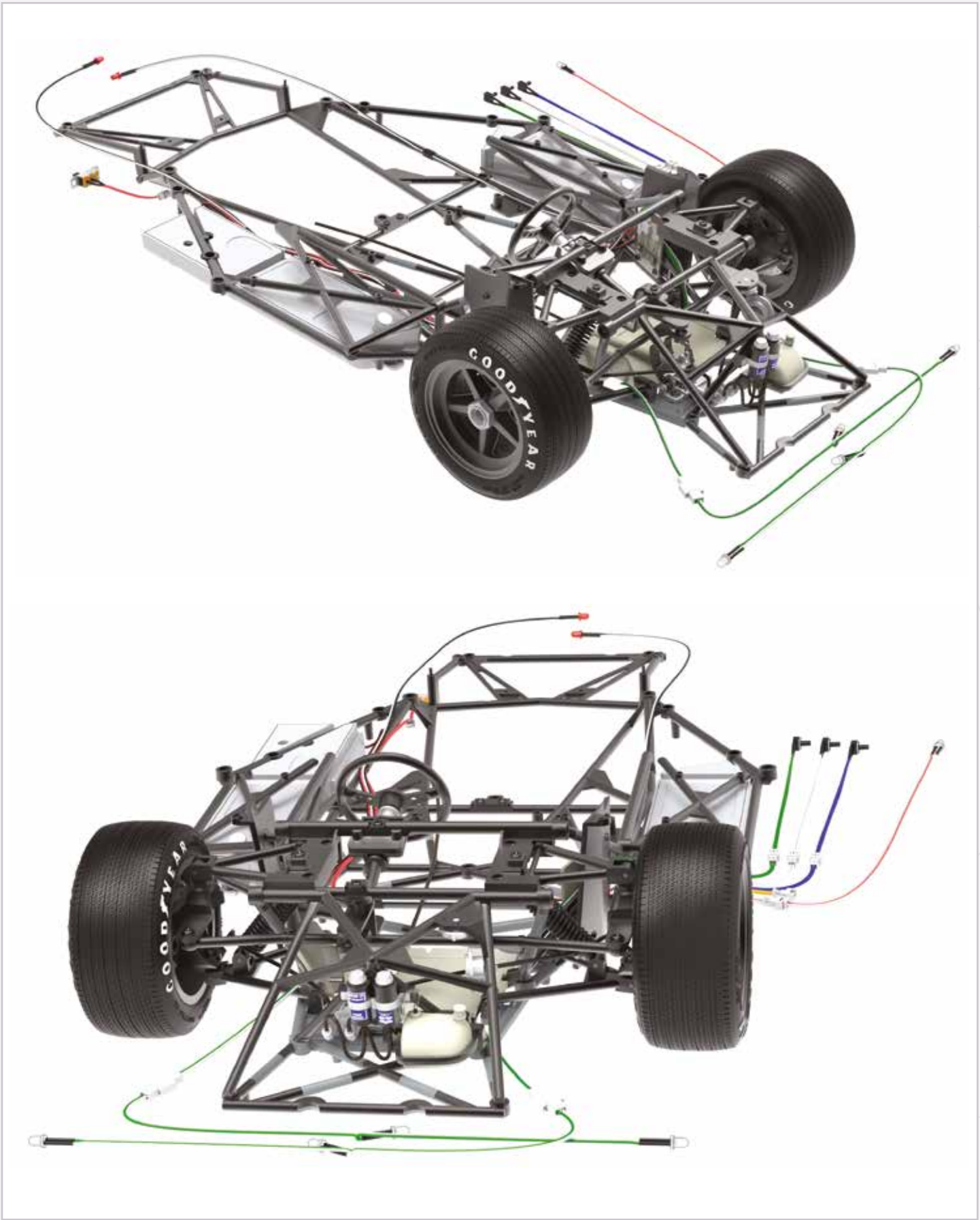


STEP 4

Fit Right front wheel by 36B Wheel hub to 29H Axle (turning slightly to catch into 30F Hub slot).
Fix 36B Wheel rim hub with MM screw via 36E Washer.
Fit 36D Hub nut to 36B Wheel rim hub.



General view

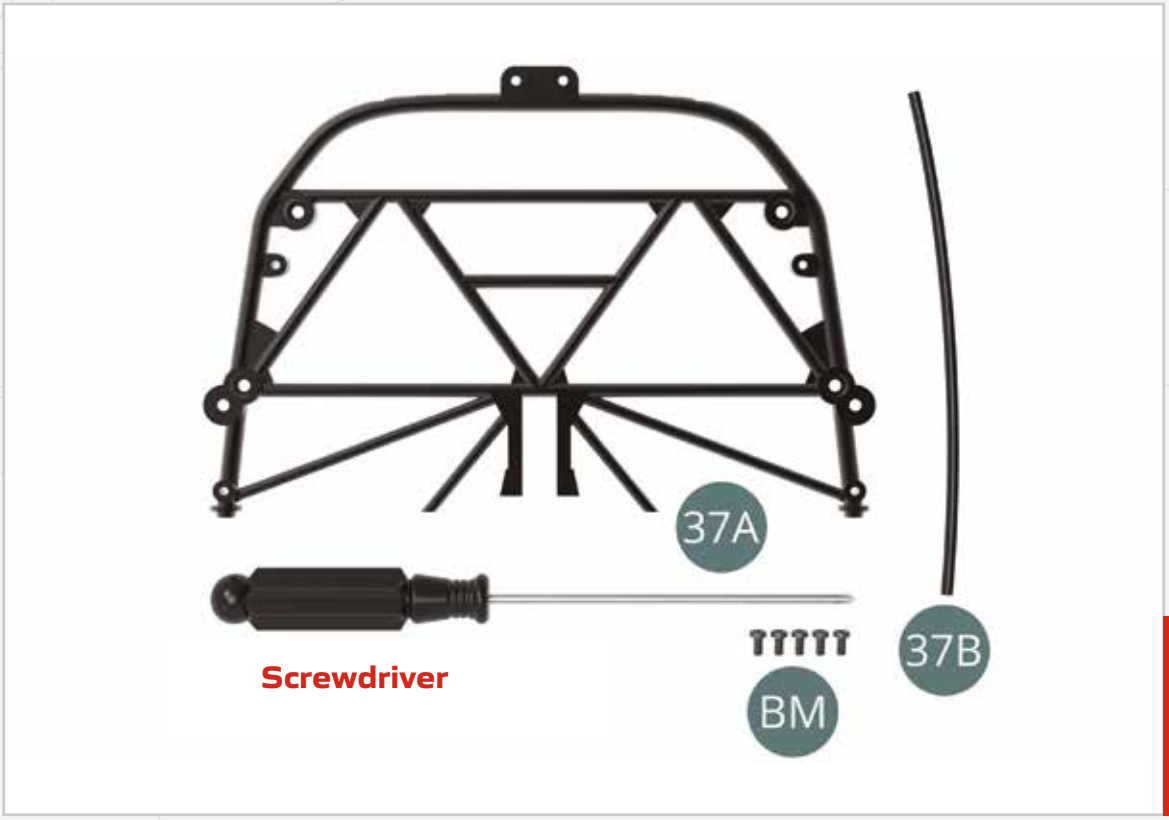


Parts of the issue 37

37A Cockpit partition frame

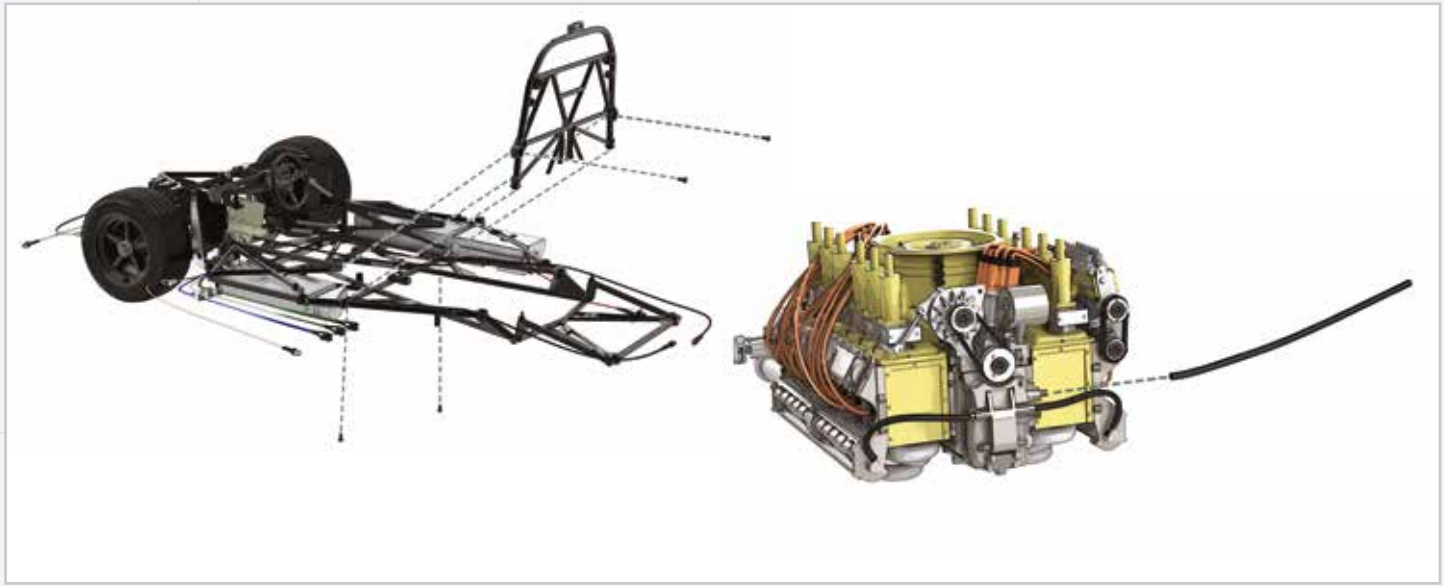
37B Oil hose

BM M2,0 x4mm (x5)

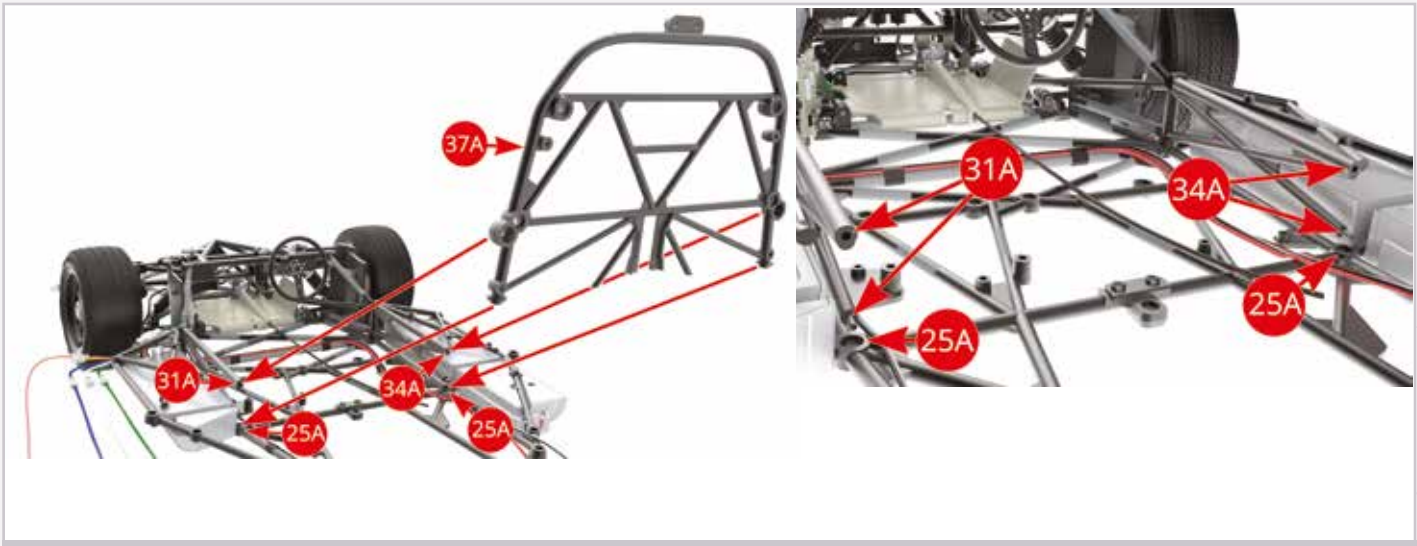


Cockpit partition frame and oil hose attachment to the engine

Assembly diagram



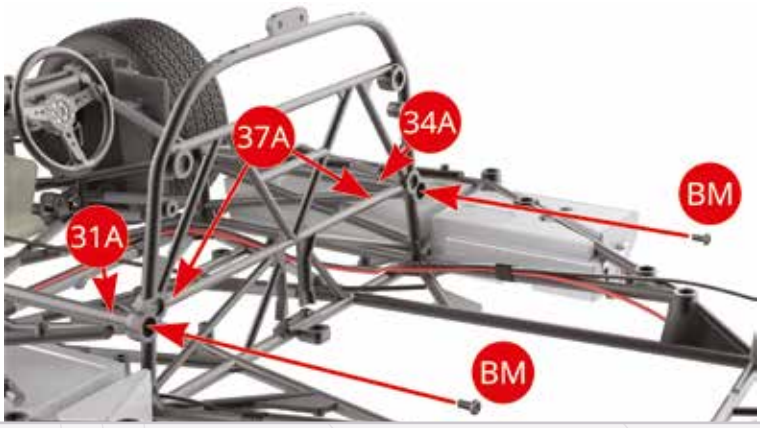
STEP 1



Fit 37A Cockpit partition frame to 25A Chassis lower frame sockets and 31A Left, 34A Right Side frames. Illustration above shows the attachment points on chassis in closer detail.

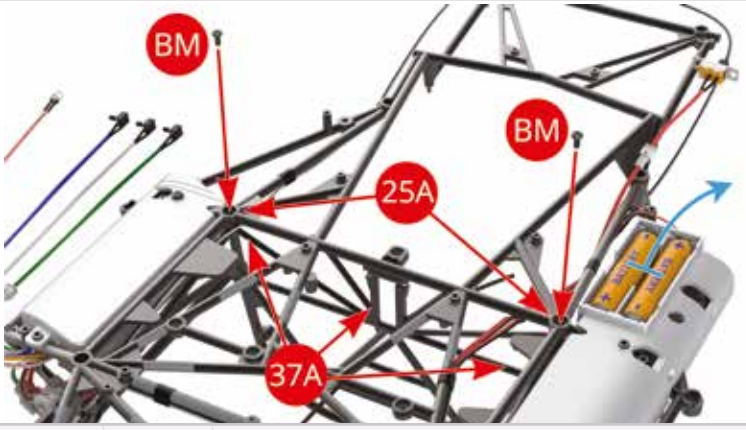
STEP 2

Fix 37A Cockpit partition frame to 31A Left and 34A Right Side frames with two BM screws.



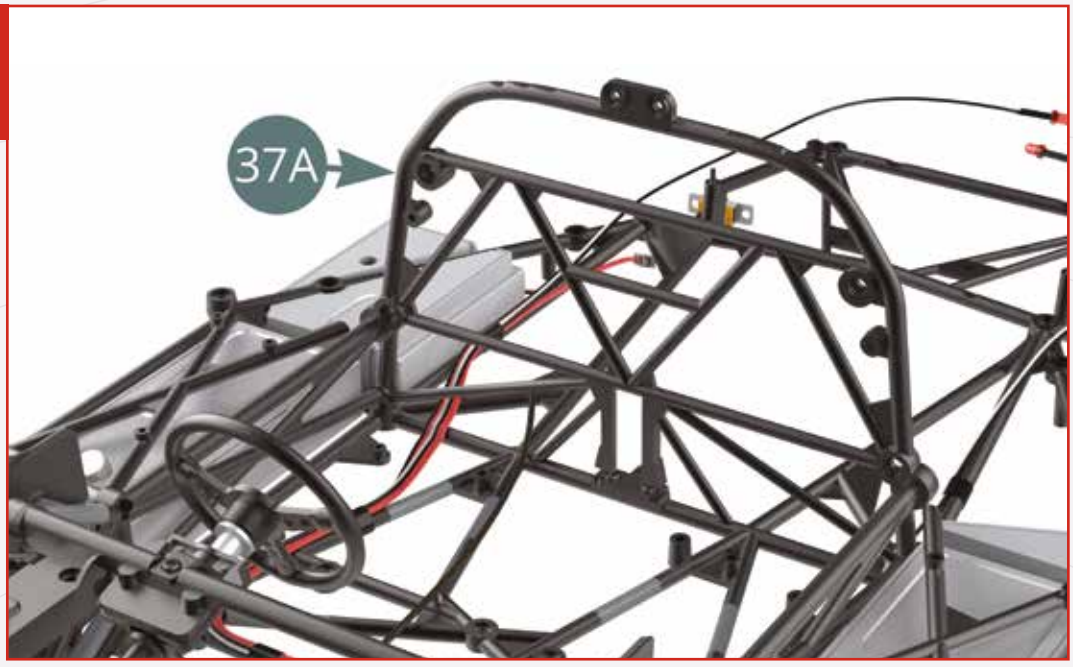
STEP 3

Fix 37A Cockpit partition frame to 25A Chassis lower frame with two BM screws. Take two AAA batteries out of battery compartment until further use.



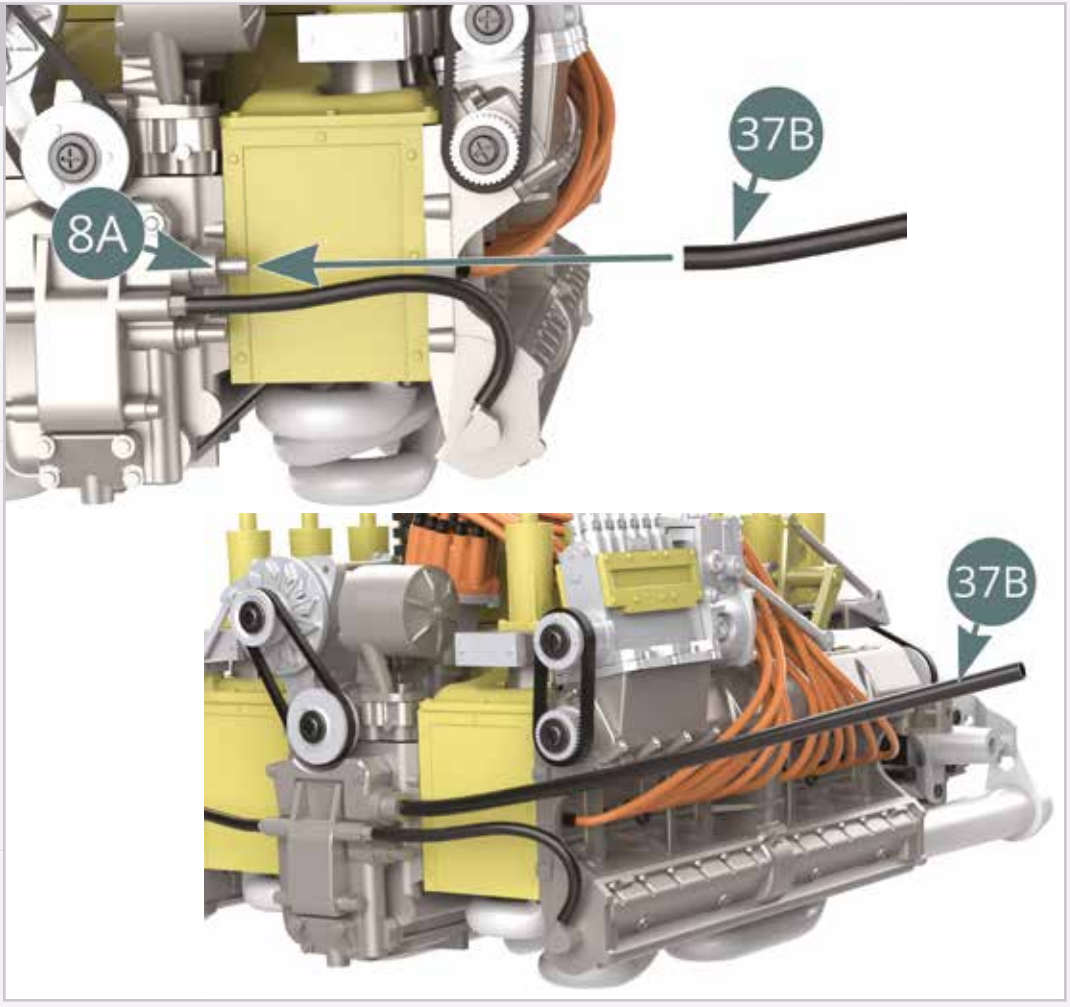
STEP 4

37A Cockpit partition frame installed on chassis

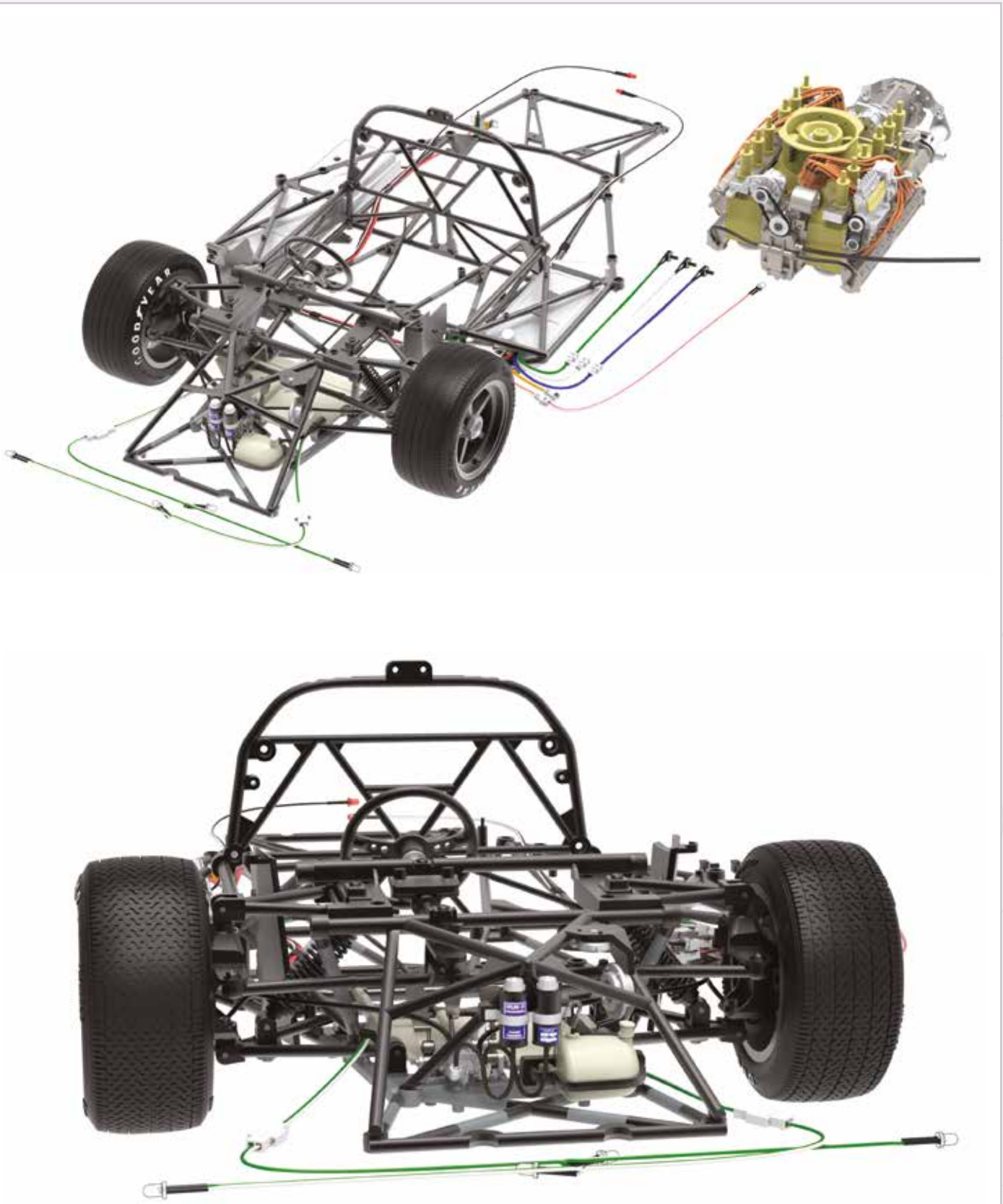


STEP 5

Fit 37B Oil hose to 8A Front cover upper pin.



General view



Parts of the issue 38

38A Left side frame

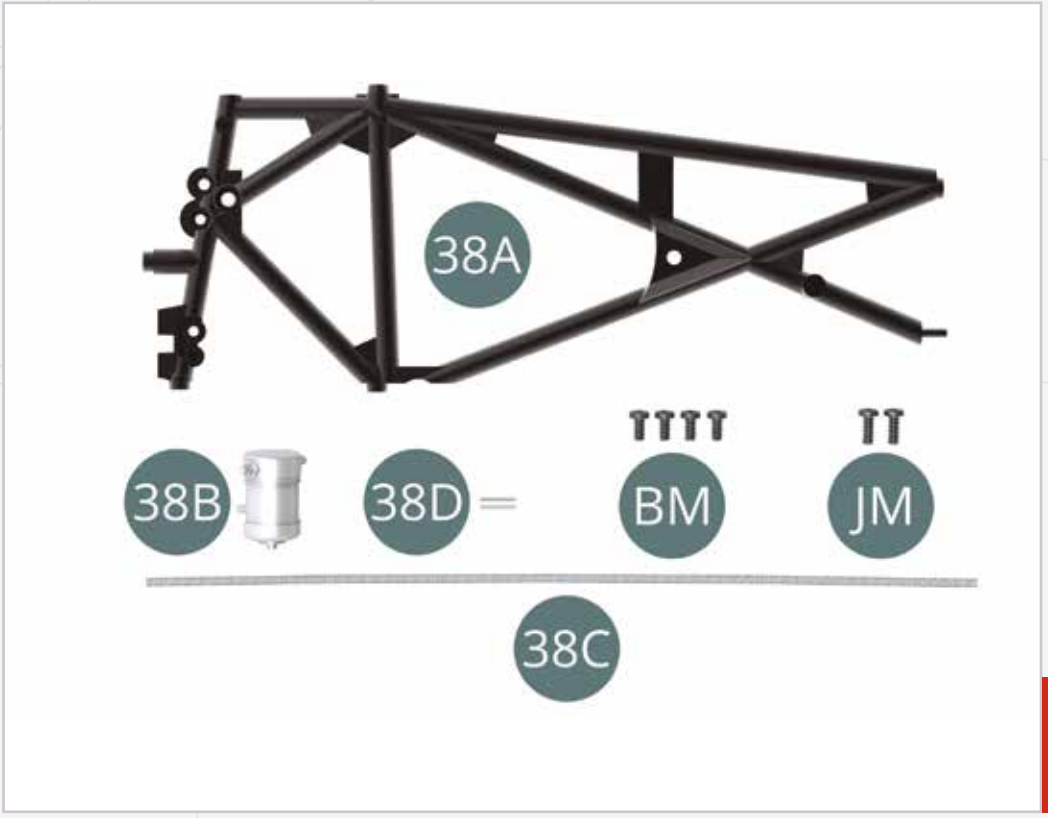
38B Fuel filter

38C Fuel hose

38D Connector

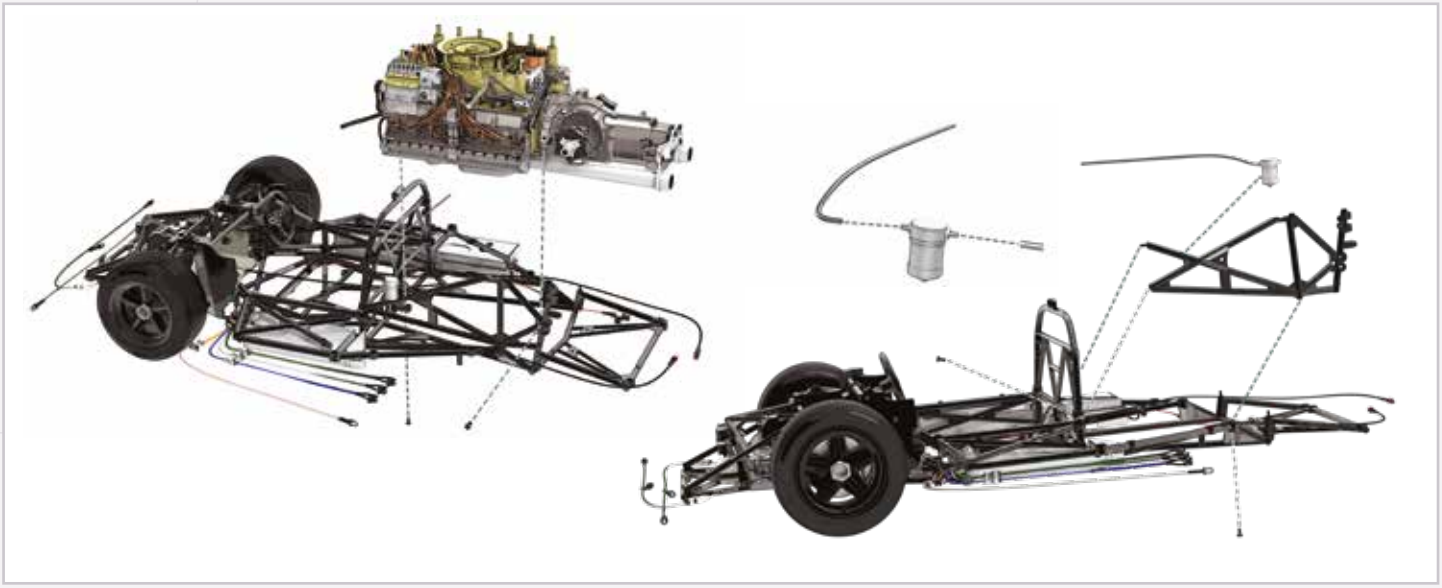
BM M2,0 x4mm (x4)

JM M2,0 x5mm (x2)



Fuel filter, side frame and Engine installation on chassis

Assembly diagram



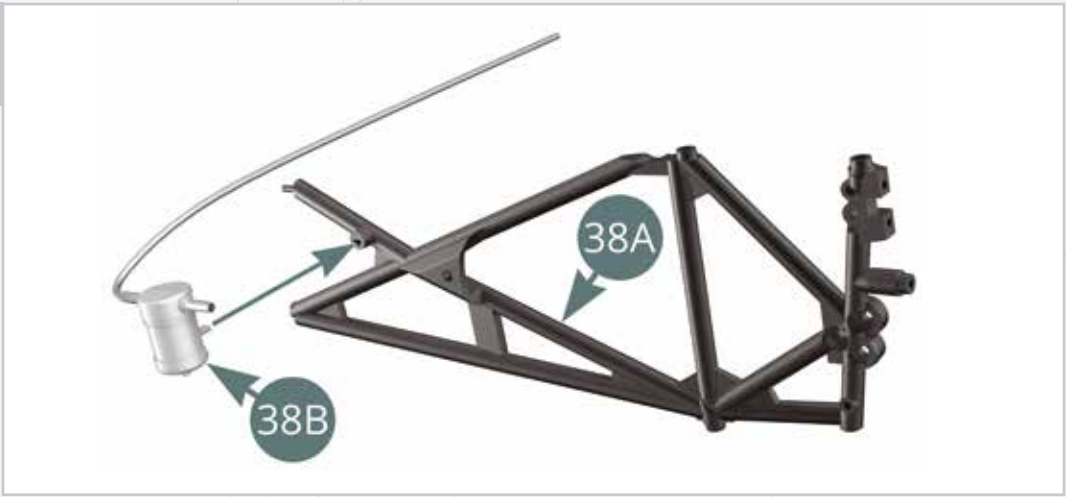
STEP 1

Fit 38D Connector to 38B Fuel filter right pin. Fit 38C Fuel hose to 38B Fuel filter left pin.



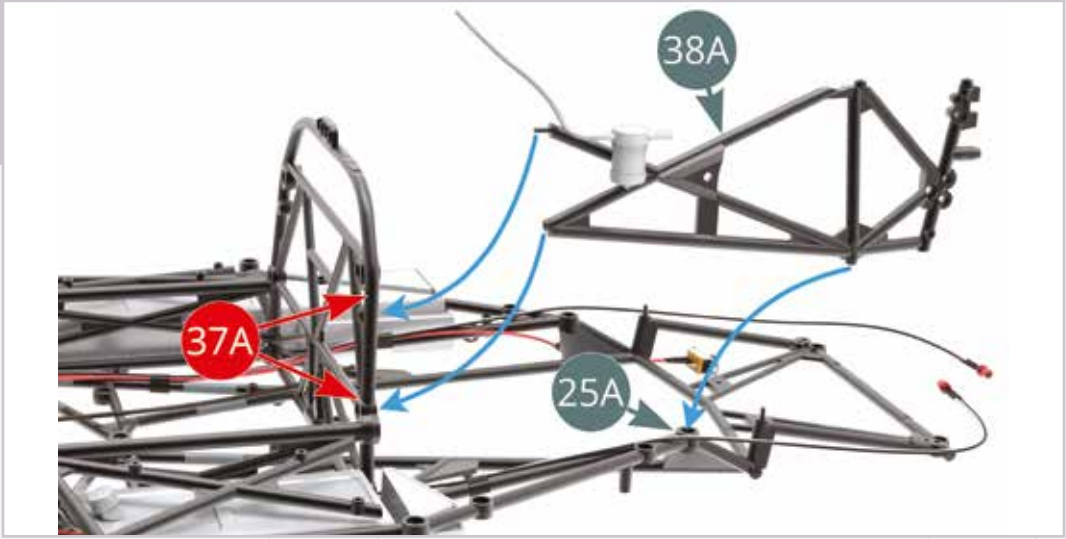
STEP 2

Fit 38B Fuel filter to 38A Left side frame.



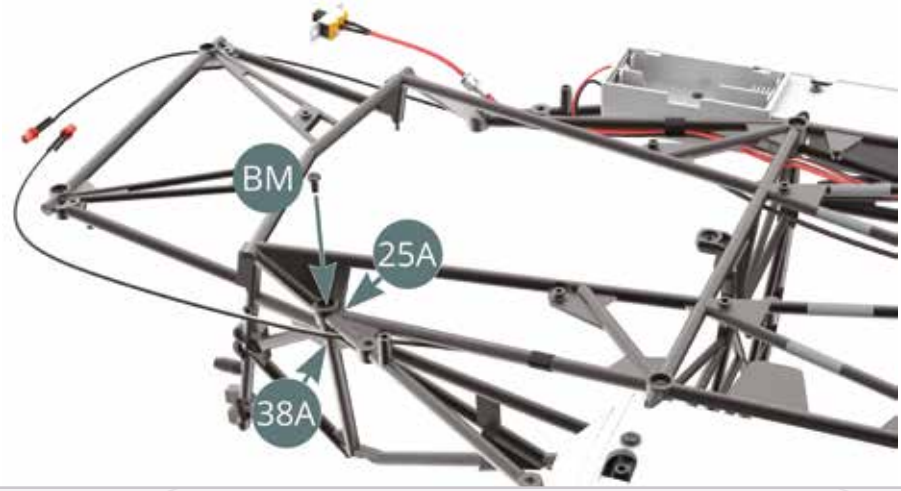
STEP 3

Fit 38A Left side frame to 37A Cockpit partition frame and 25A Chassis frame.



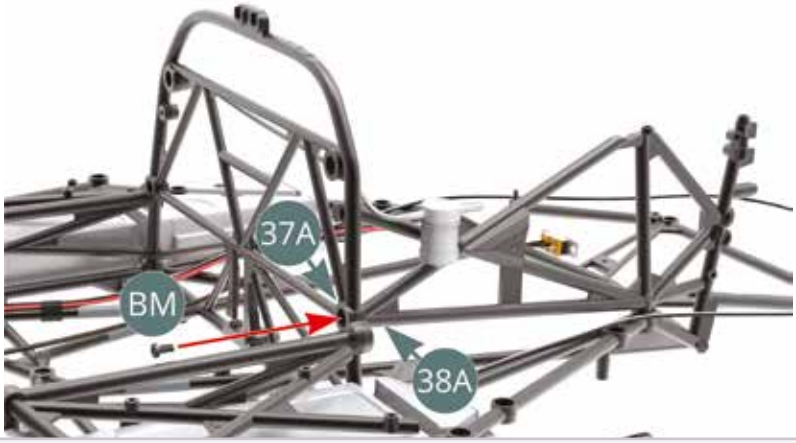
STEP 4

Fix 38A Left side frame to 25A Chassis frame with BM screw.



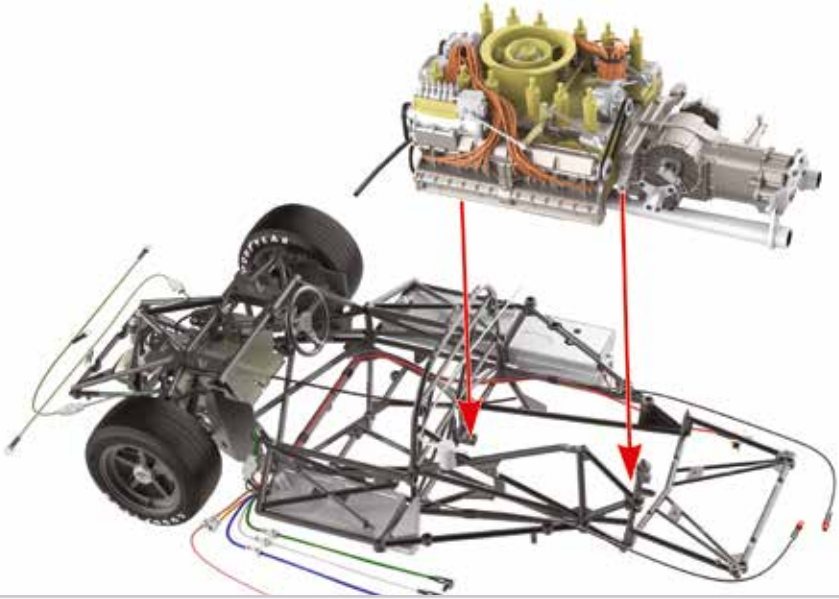
STEP 5

Fix 38A Left side frame to 37A Cockpit partition frame with BM screw.



STEP 6

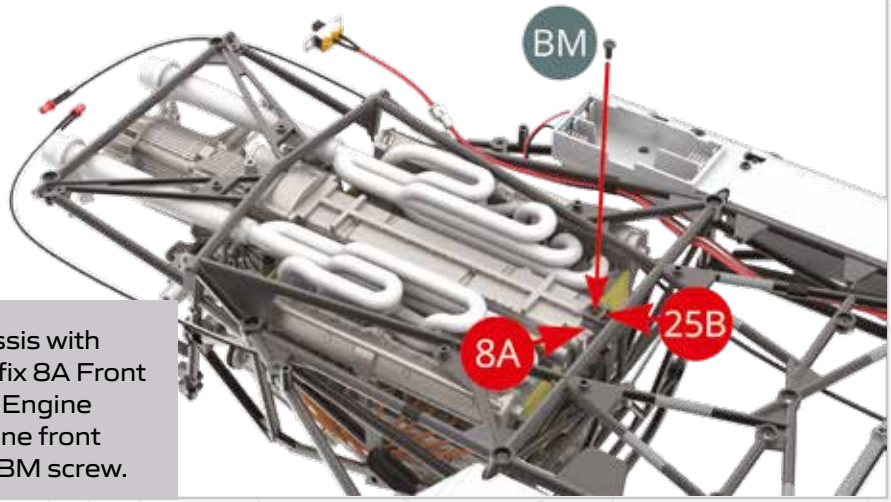
Fit Engine assembly to Chassis, aligning two immediate attachment points (red arrows) Lead 37B Oil hoses as shown on next illustration.



STEP 7

Pass the 37B Oil hose above 38A Left side frame V-bars.

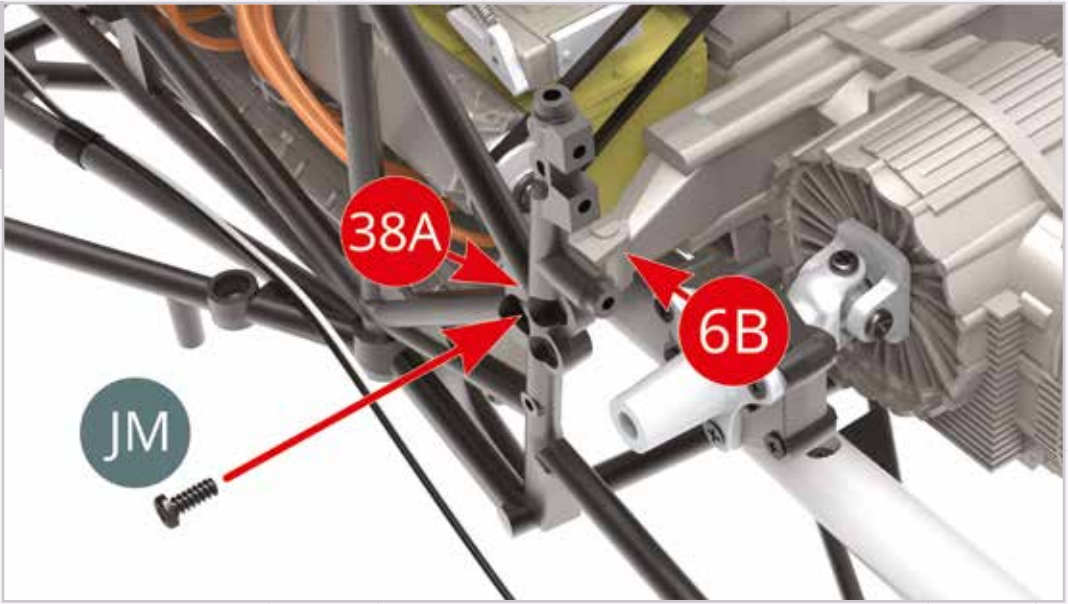




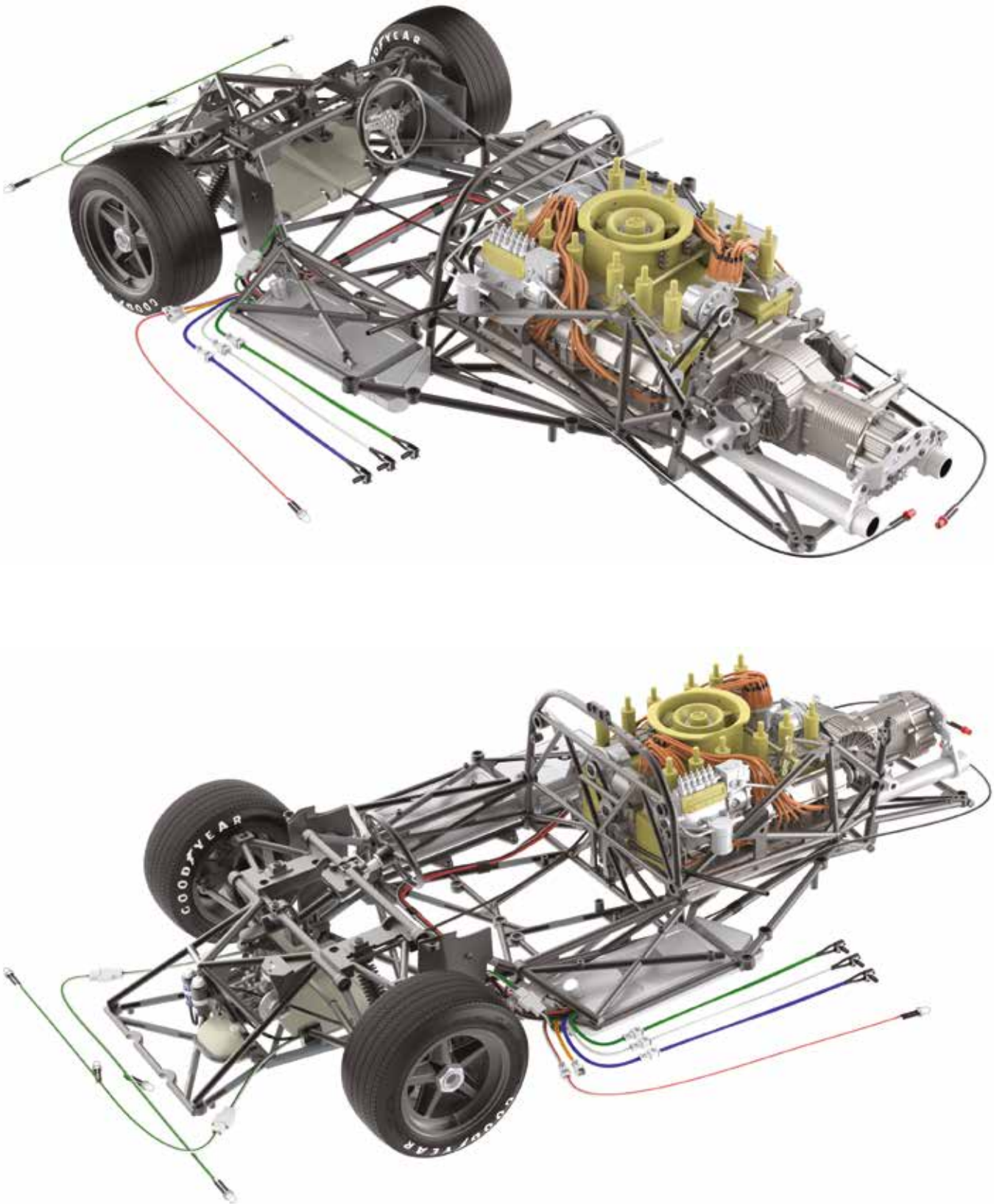
Upturn Chassis with Engine and fix 8A Front cover of the Engine to 25B Engine front mount with BM screw.

STEP 8

Fix Engine 6B Left side mounting arm to 38A Left side frame with JM screw.



General view



Parts of the issue 39

39A Right side frame

39B Hose manifold

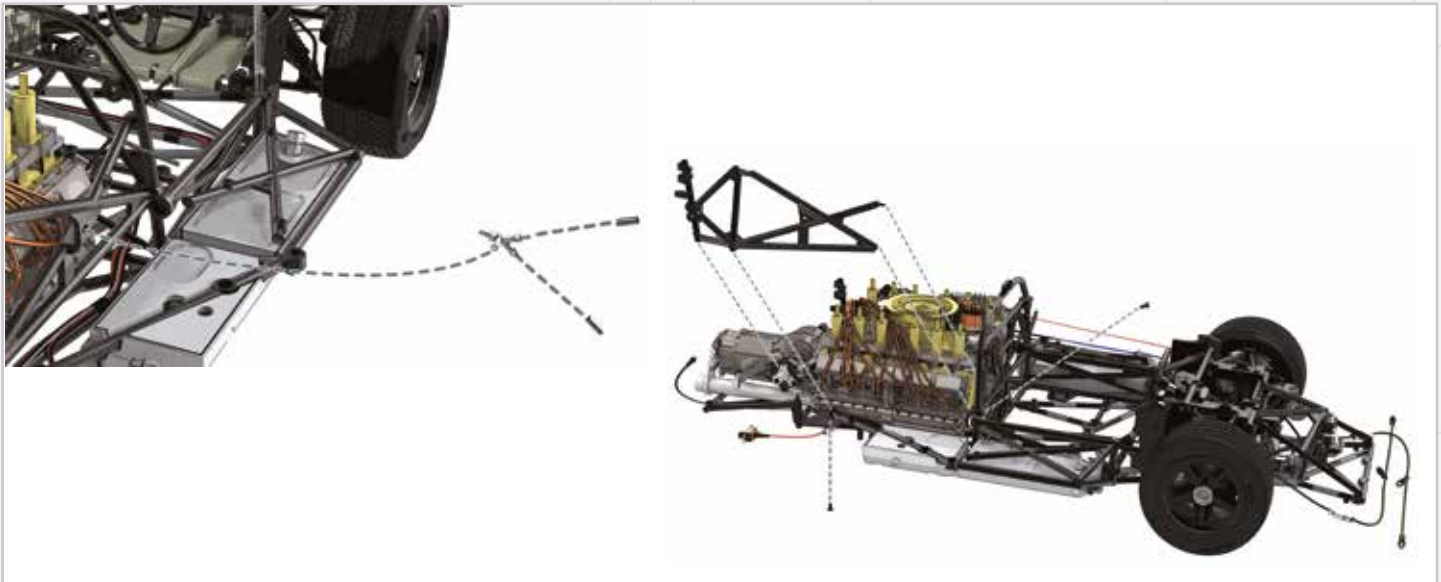
39C Connectors (x2)

BM M2,0 x4mm (x3)



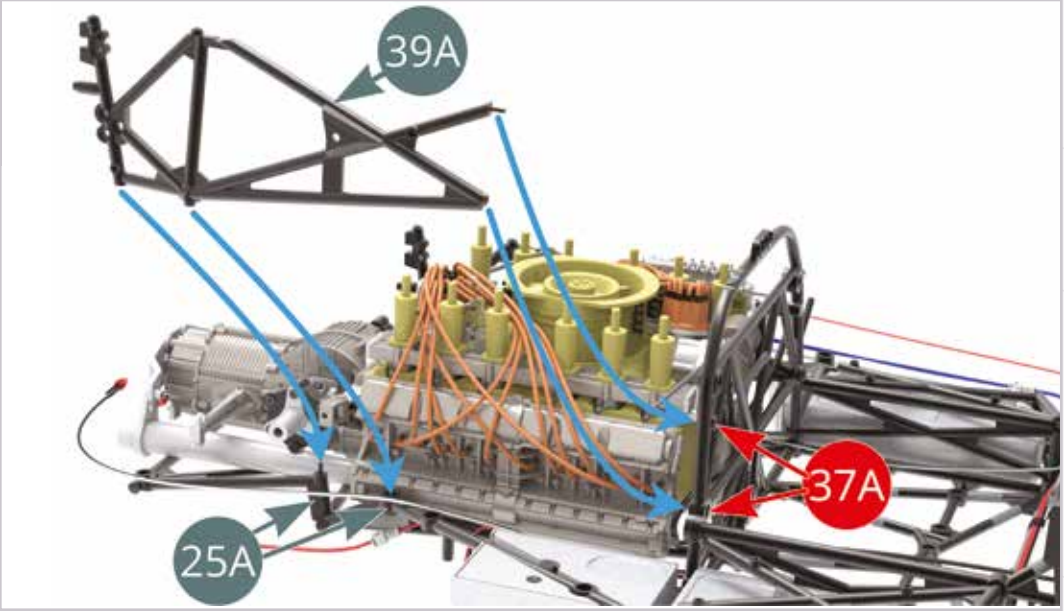
Right side frame and fuel hose attachment

Assembly diagram



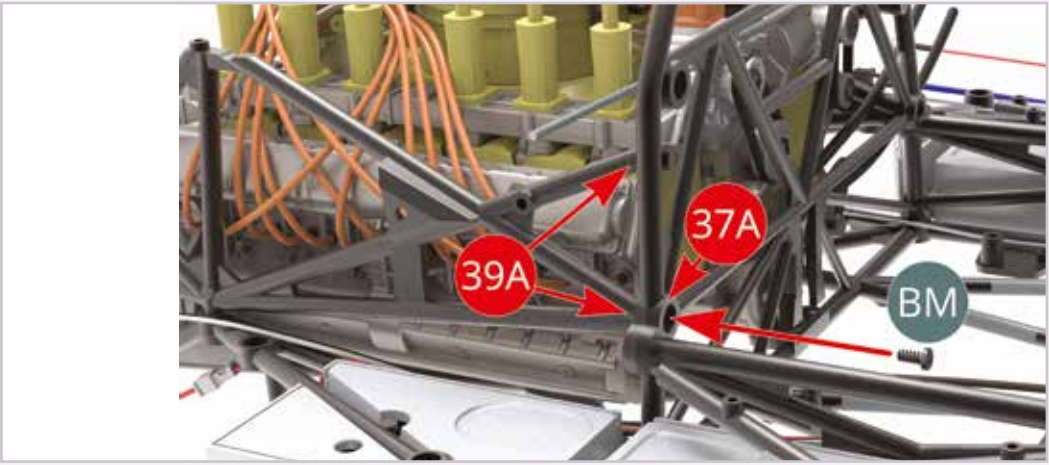
STEP 1

Fit 39A Right side frame to 25A Chassis frame and 37A cockpit partition frame.



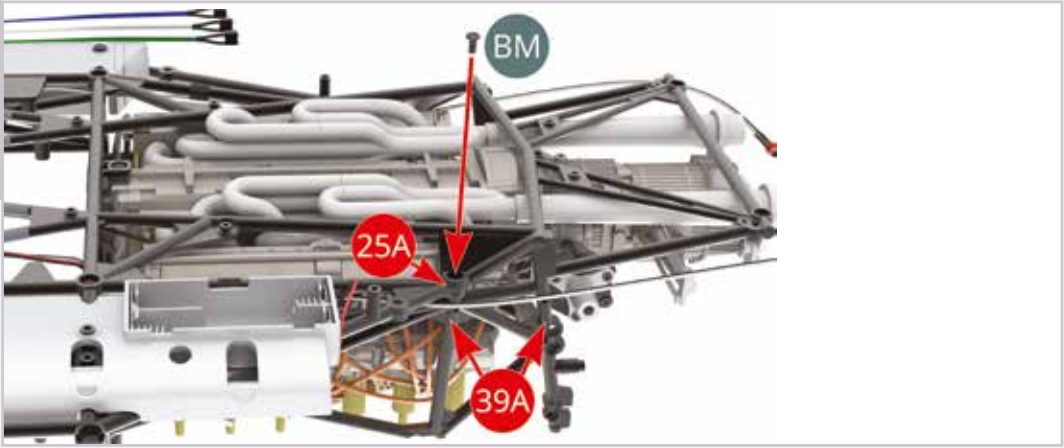
STEP 2

Fix 39A Right side frame to 37A cockpit partition frame with BM screw.



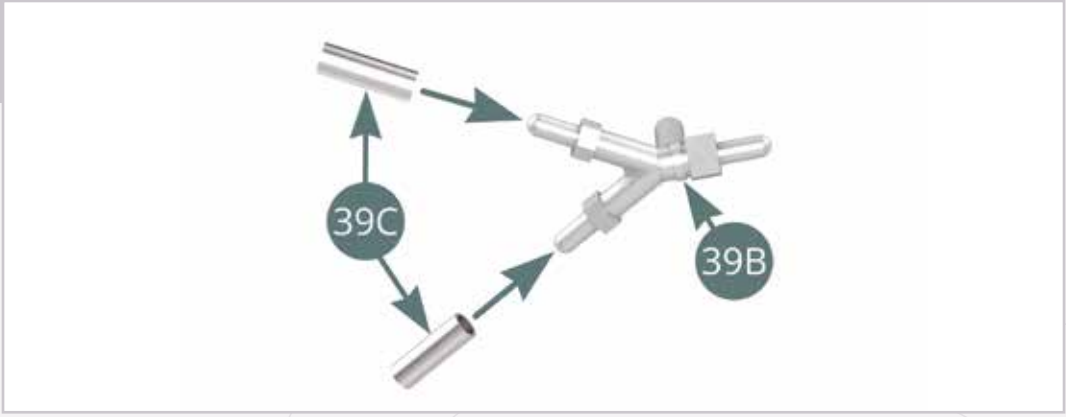
STEP 3

Fix 39A Right side frame to 25A Chassis frame with BM screw from under side of chassis.



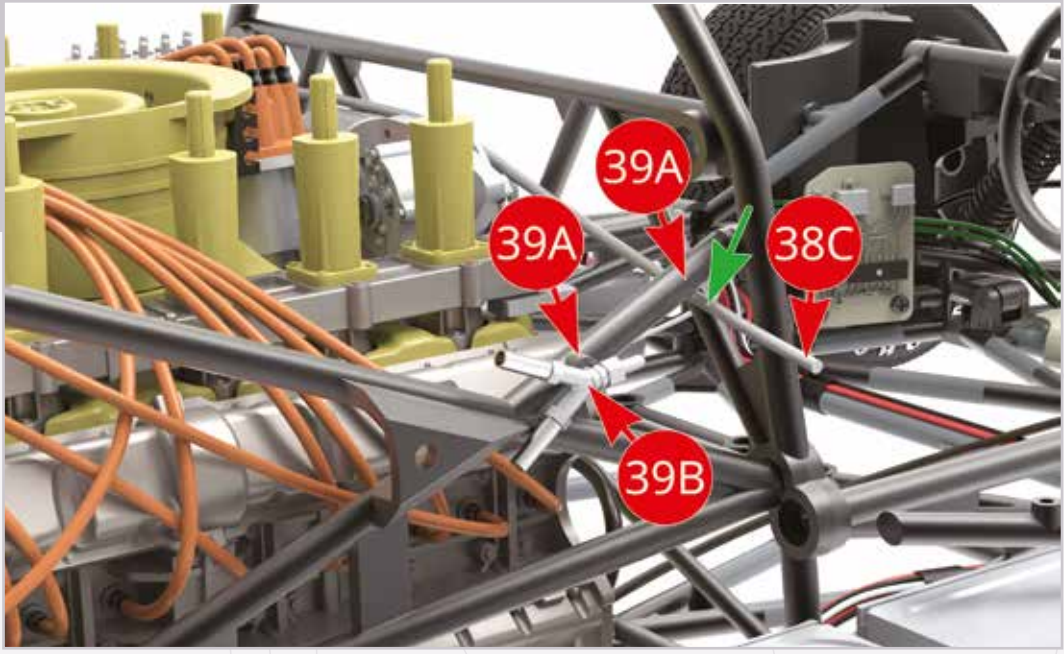
STEP 4

Fit two 39C Connectors to 39B Hose manifold.

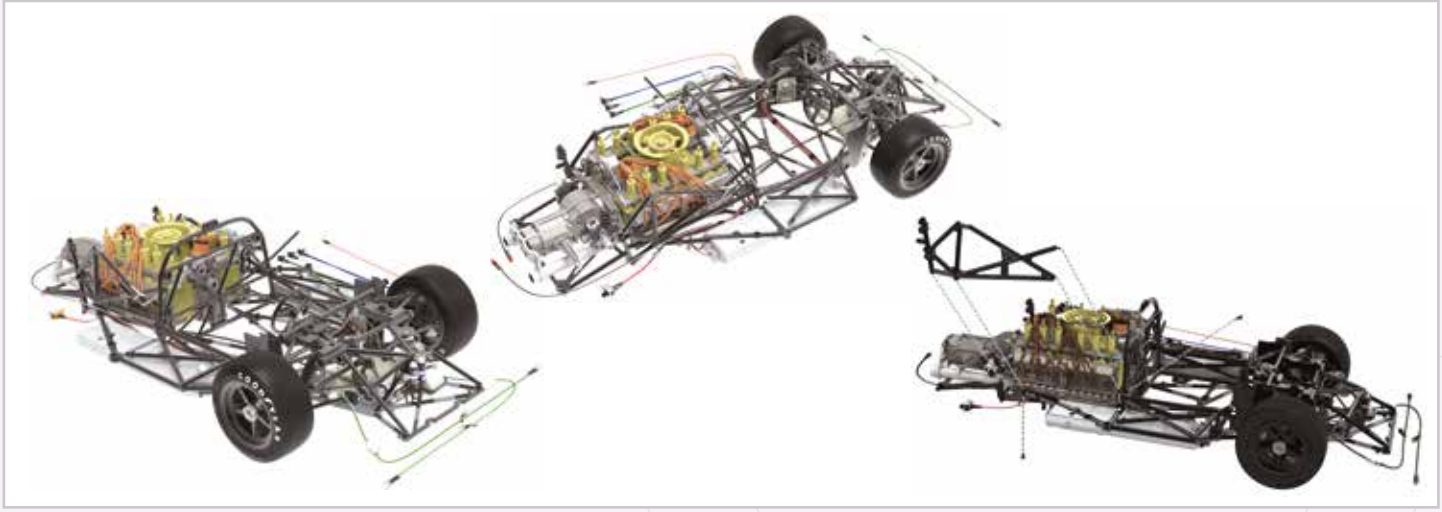


STEP 5

Pass 38C Hose under 39A Right side frame (green arrow), and leave it loose for now. Fit 39B Hose manifold to 39A Right side frame socket.



GENERAL VIEW



Parts of the issue 40

40A X- Frame

40B Ignition coils (x2)

40C High tension wire (x2)

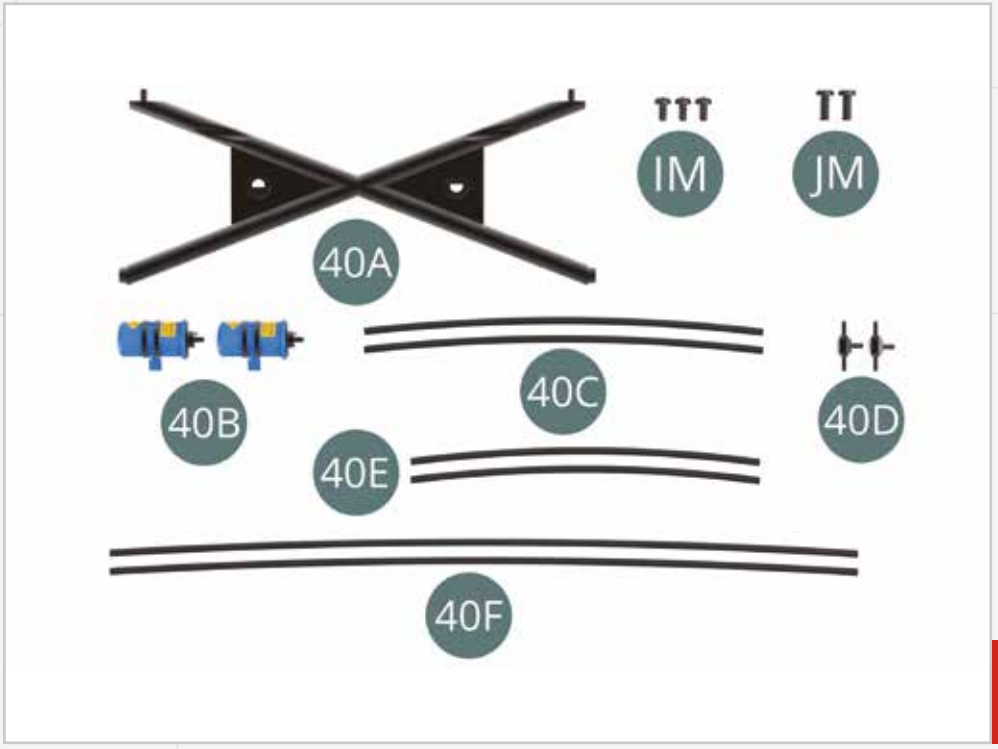
40D Connector (x2)

40E Brake line (x2)

40F Brake line (x2)

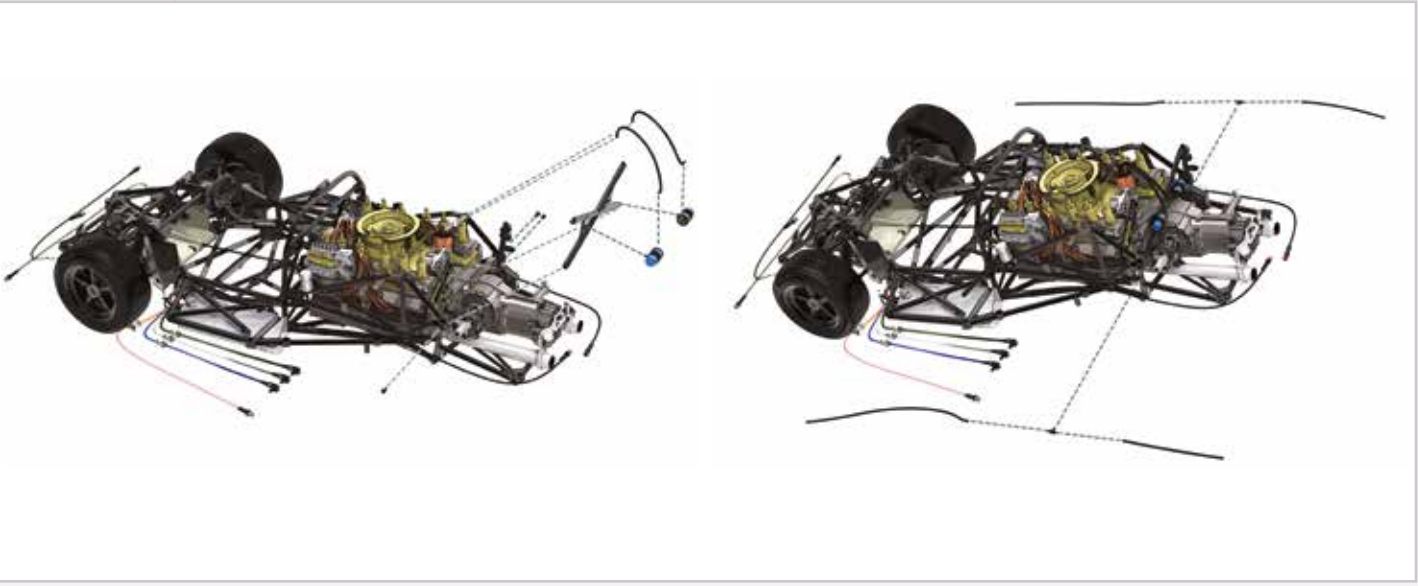
IM M1,7 x3,5mm (x3)

JM M2,0 x5mm (x2)



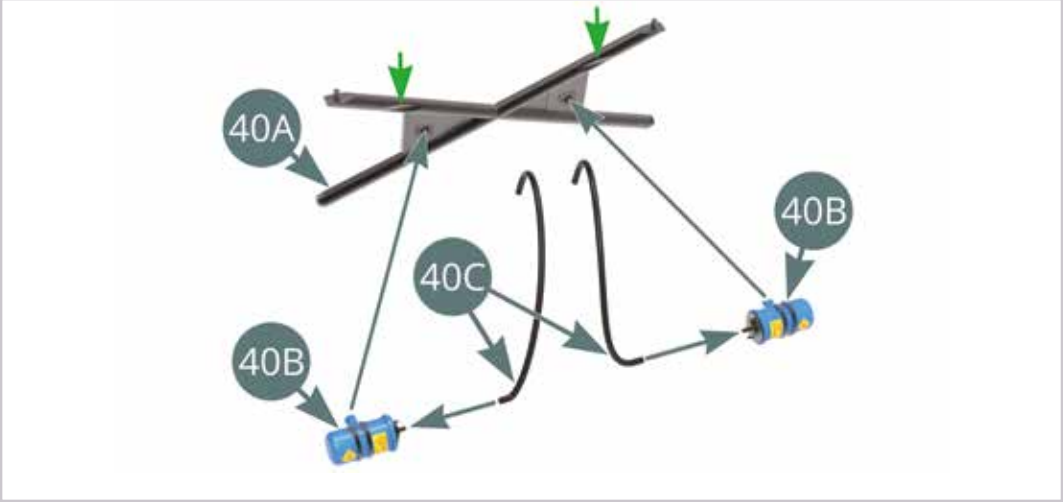
Ignition coils and rear brake line installation

Assembly diagram



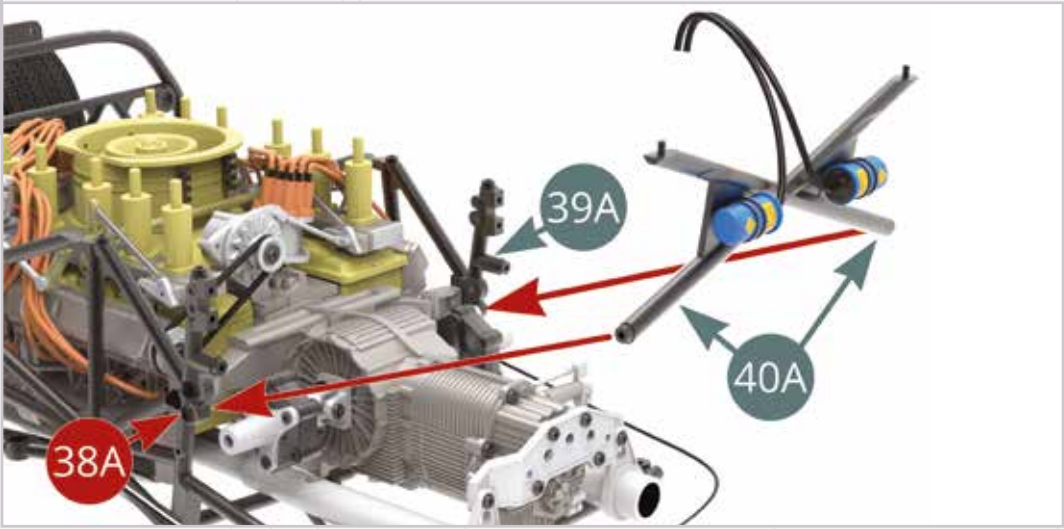
STEP 1

Fit 40C High tension wires to both 40B Ignition coils and fit them to 40A X-frame (note notch orientation pointed by green arrows).



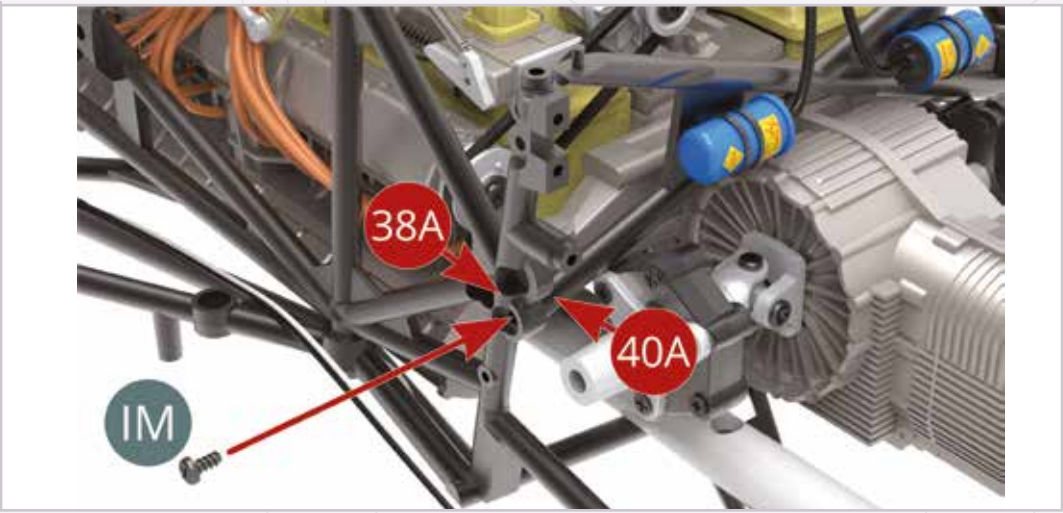
STEP 2

Fit 40A X-Frame to 38A Left and 39A Right side frames.



STEP 3

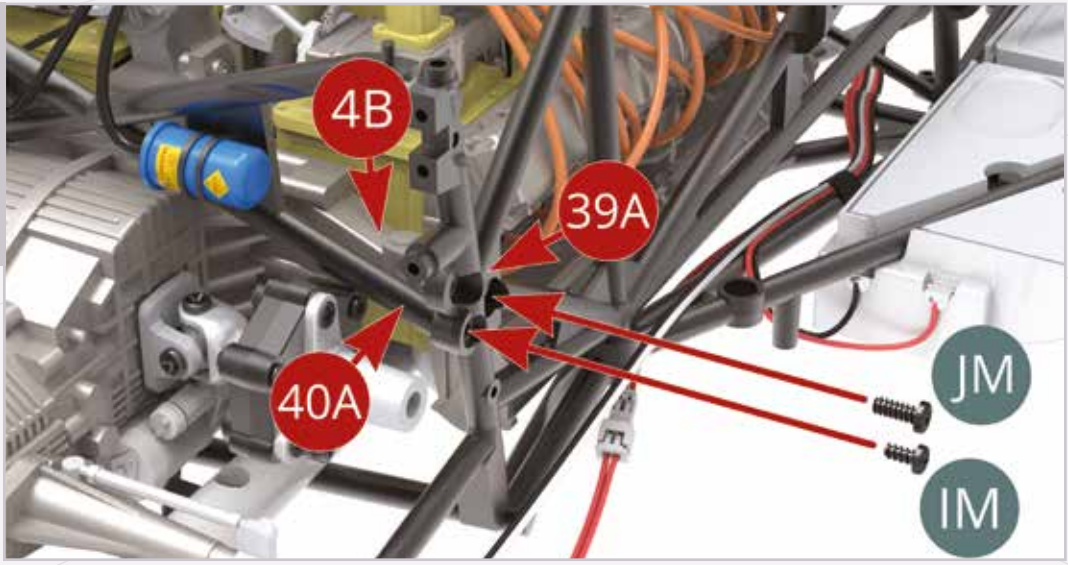
Fix 40A X-Frame to 38A Left side frame with IM screw.



STEP 4

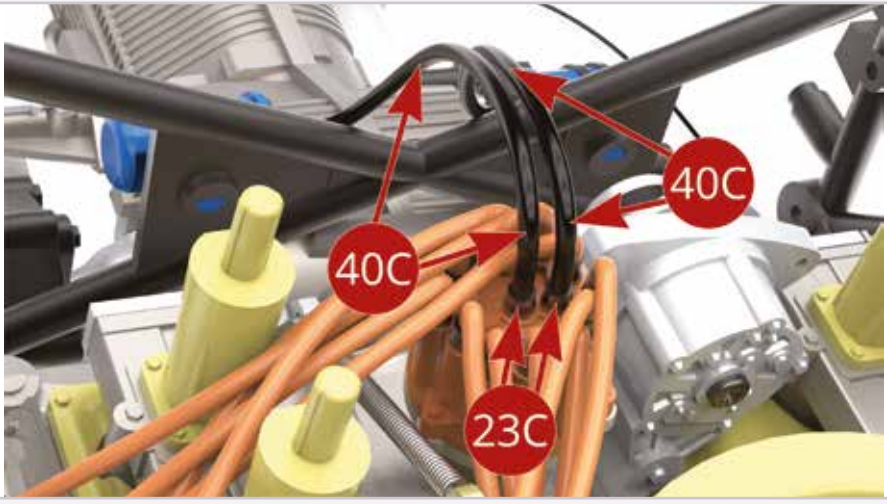
Fix 40A X-Frame to 39A Right side frame with IM screw.

Fix 4B Mounting arm to 39A Right side frame with JM screw.



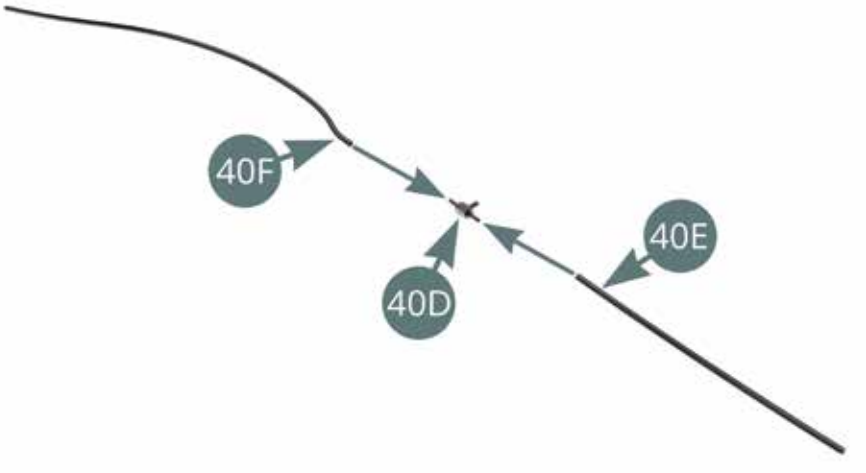
STEP 5

Fit both 40C High tension wires ends on two 23C Plugs.



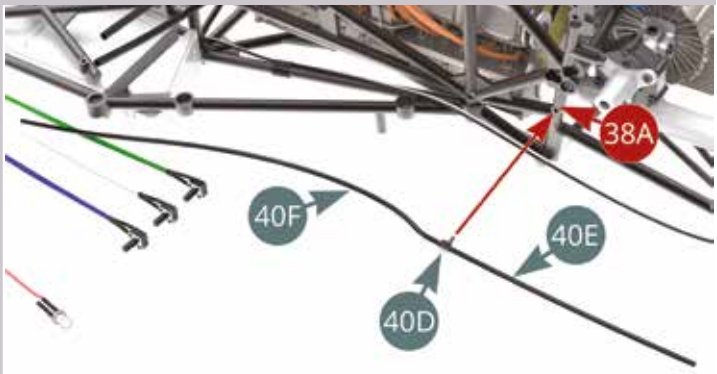
STEP 6

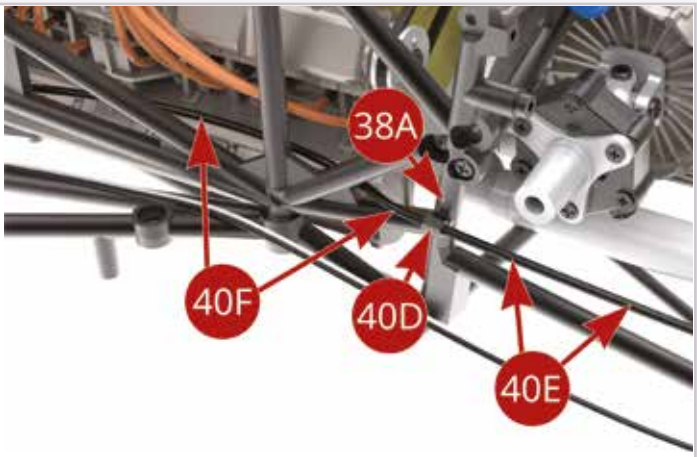
Fit 40F and 40E Brake lines to 40D Connector.



STEP 7

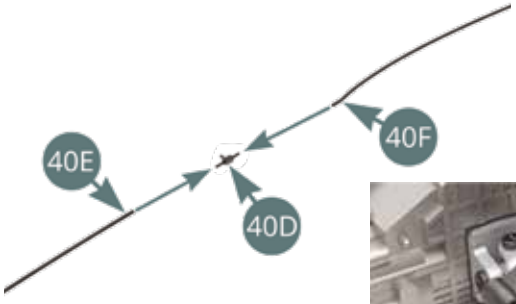
Fit 40D Connector with attached 40E and 40F Brake lines to 38A Left side frame bar (upper and lower illustrations).

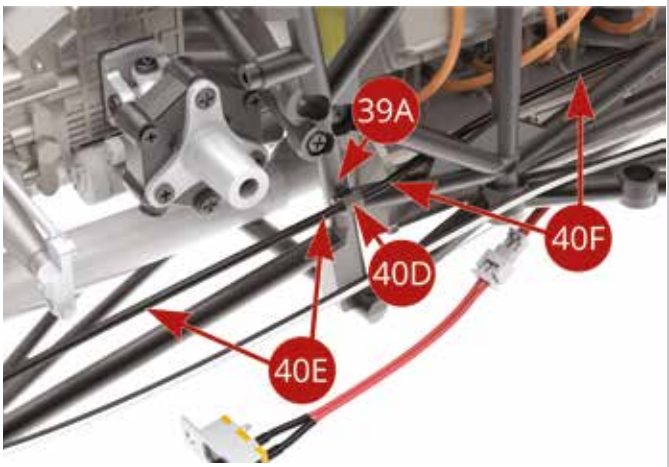


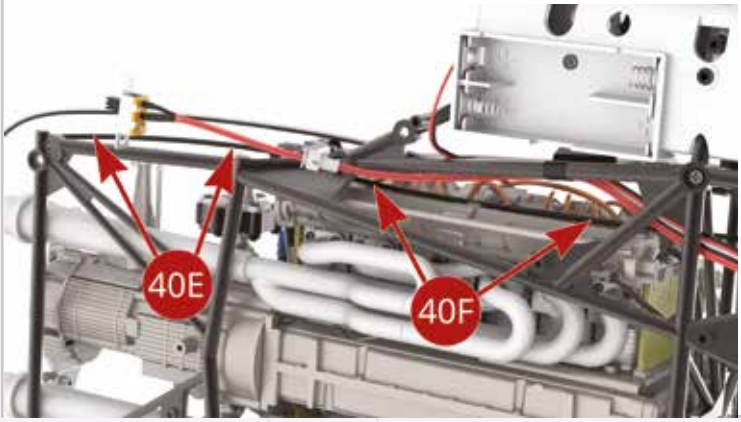


STEP 8

Fit 40F and 40E Brake lines to 40D Connector. Fit 40D Connector to 39A Right side frame bar (upper and two lower illustrations).

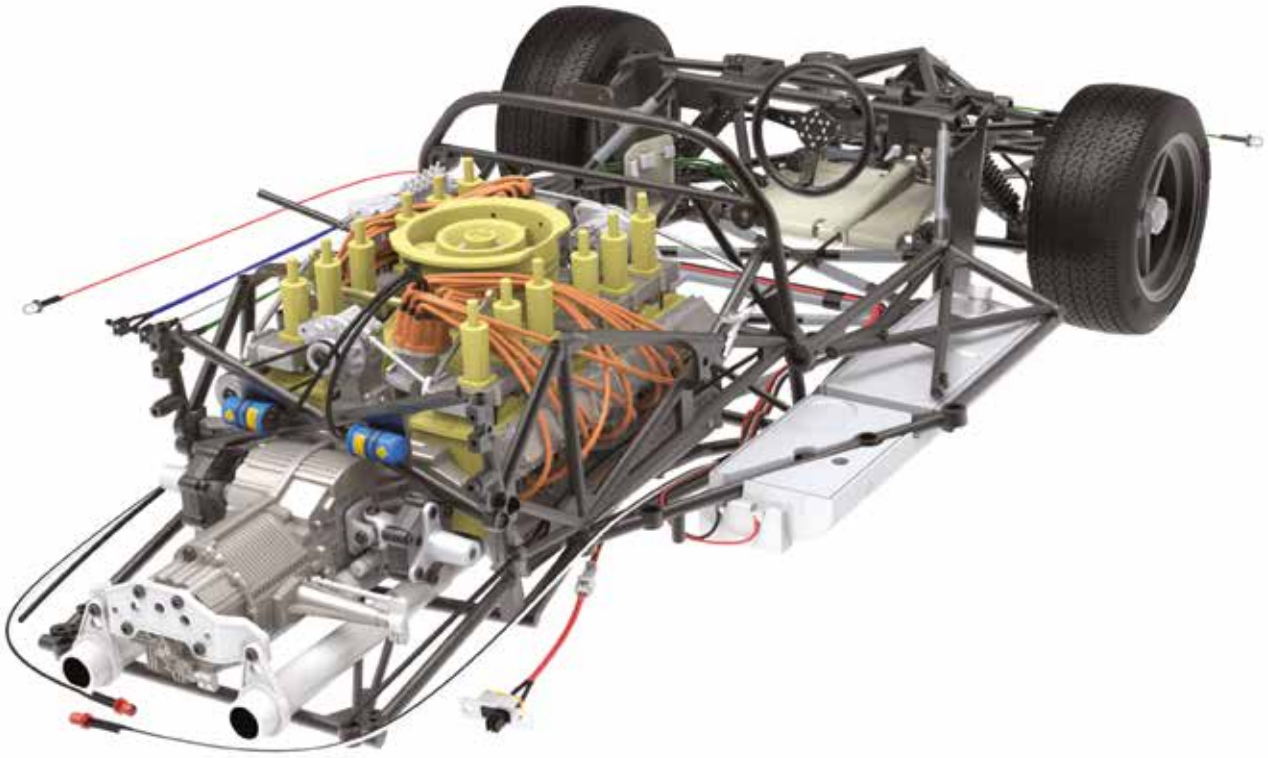






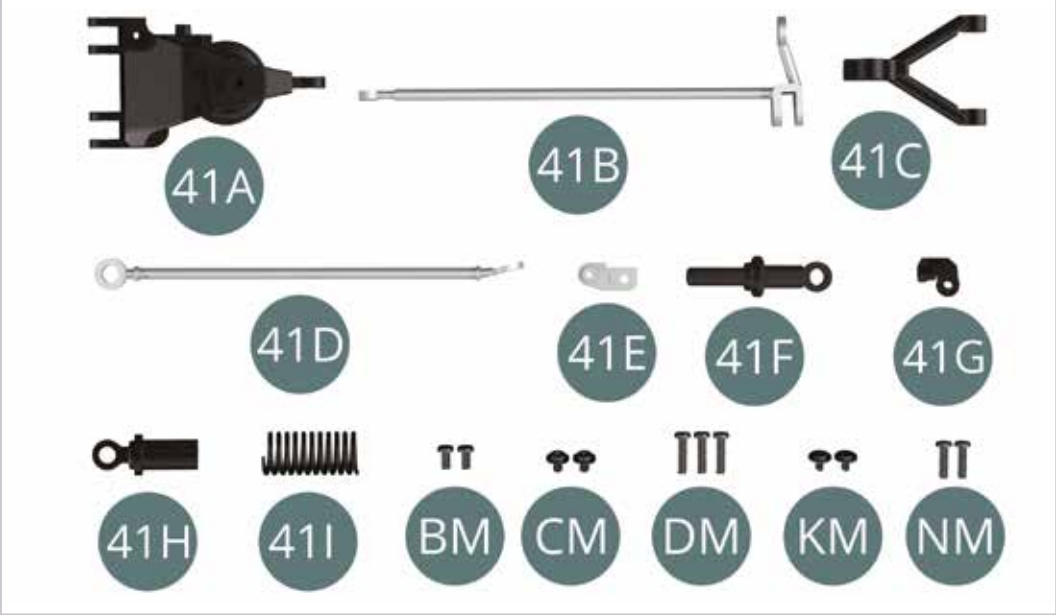
General view





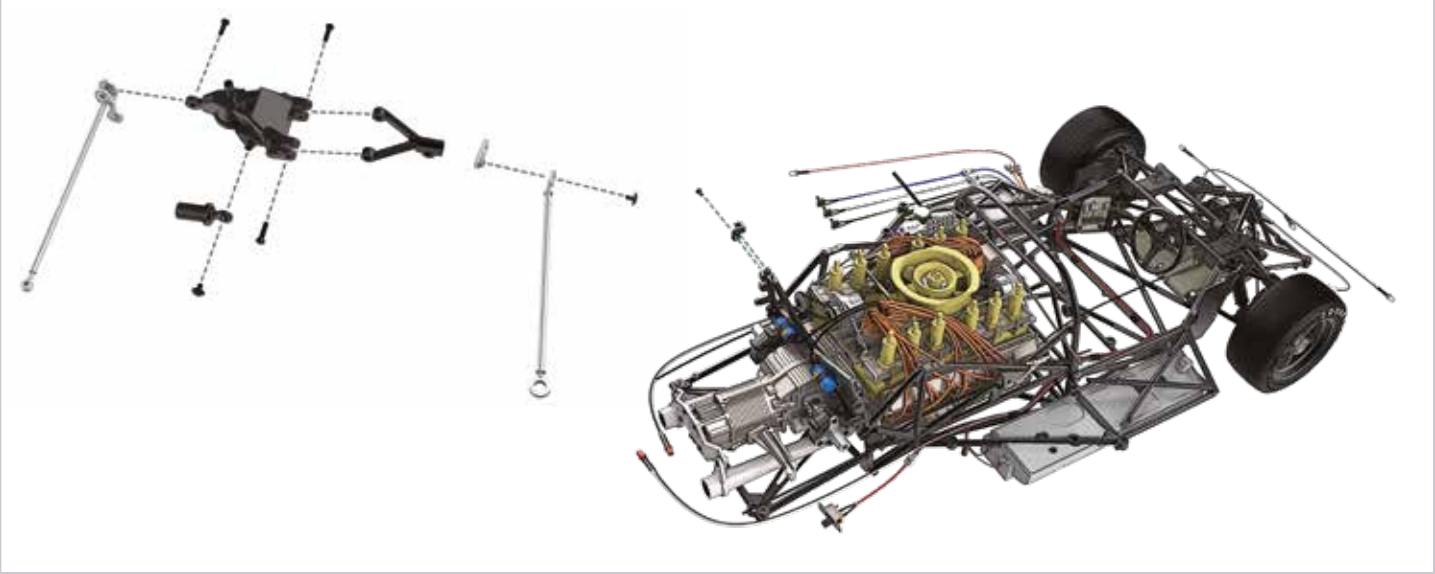
Parts of the issue 41

41A Rear left upright
41B Radius arm with upper link
41C Bottom wish bone
41D Radius arm
41E Bracket
41F Piston rod
41G Bracket
41H Suspension damper
41I Suspension spring
BM M2,0 x4mm (x2)
CM M2,0 x3x5mm (x2)
DM M2,0 x8mm (x3)
KM M1,7 x3x5mm (x2)
NM M2,0 x7mm (x2)



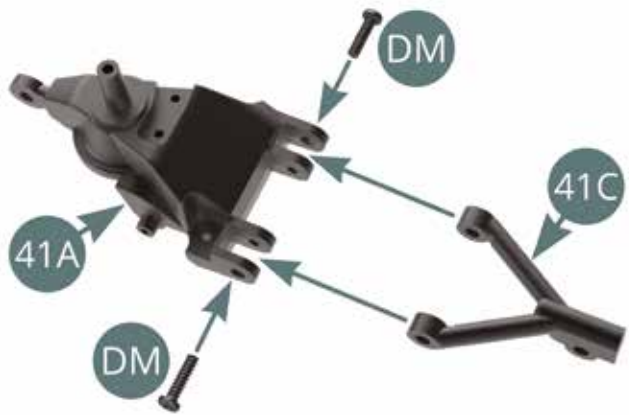
Left rear suspension preassembly

Assembly diagram



STEP 1

Fit 41C Bottom wish bone to 41A Rear left upright and fix with two DM screws.

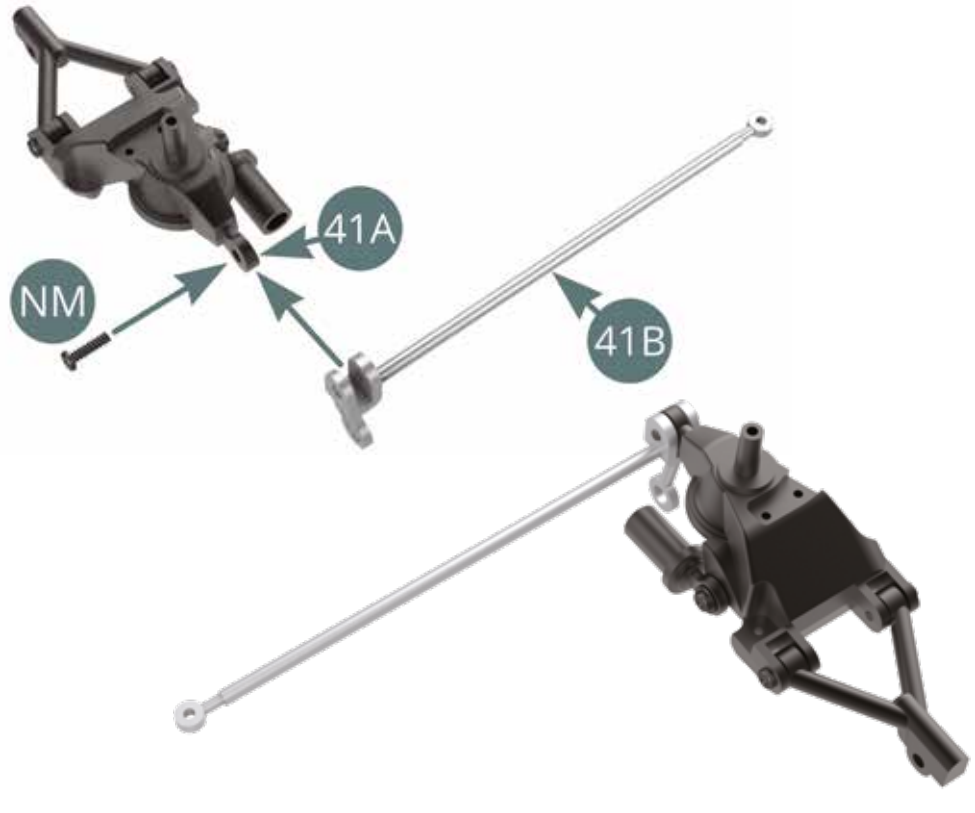


Fit 41H Suspension damper to 41A Rear left upright and fix with CM screw.



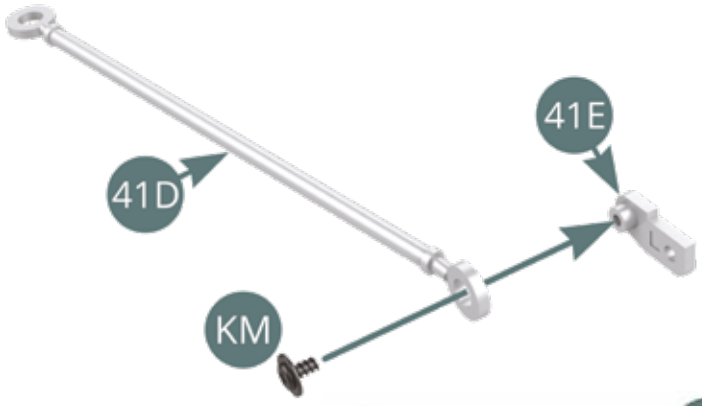
STEP 2

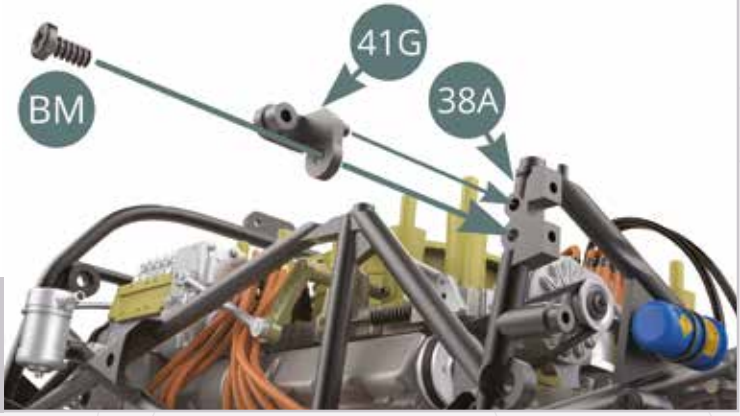
Fit 41B Radius arm with upper link to 41A Left rear upright and fix with NM screw (upper and lower illustrations).



STEP 3

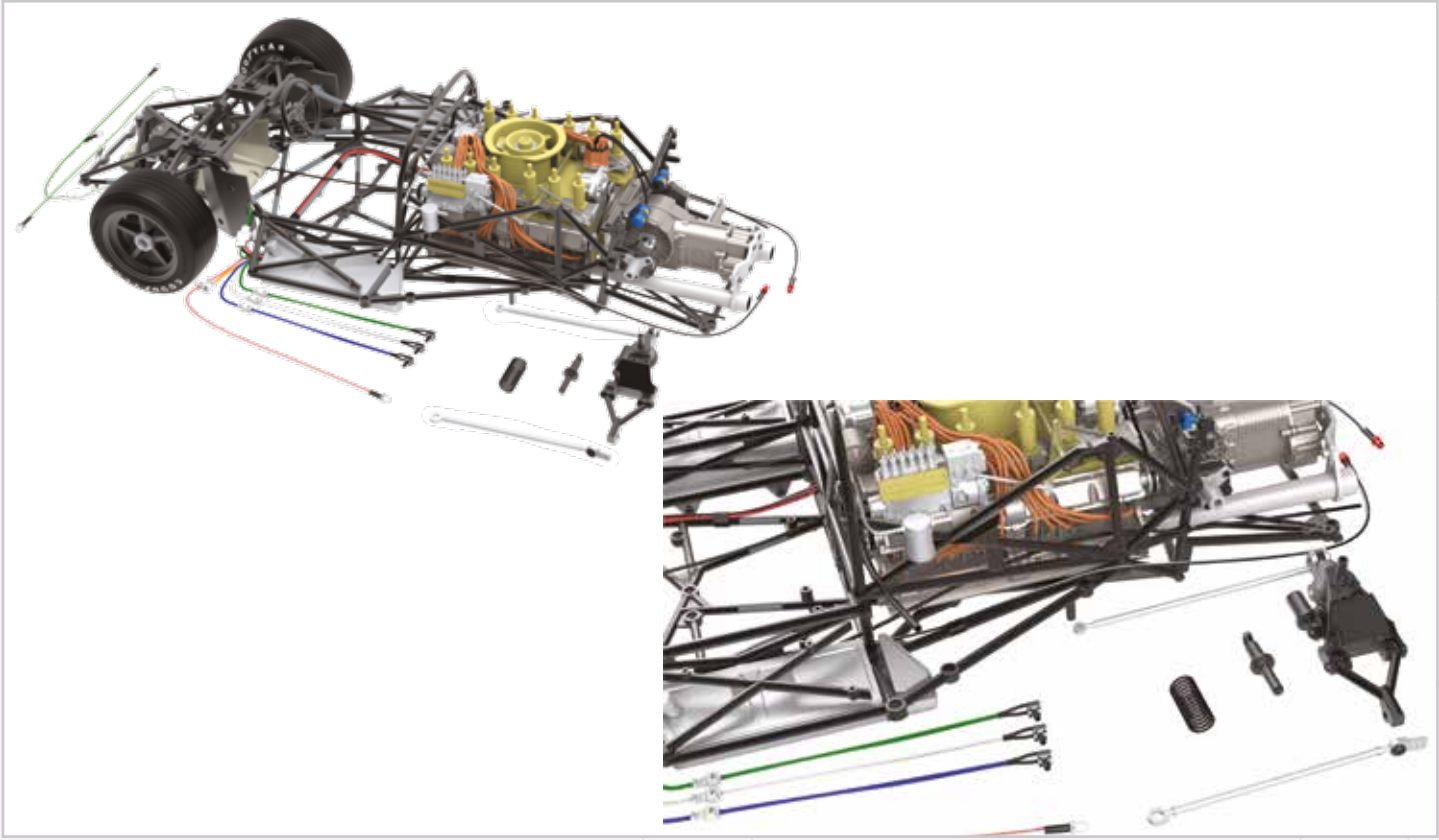
Fit 41D radius arm to 41E Bracket and fix with KM screw.





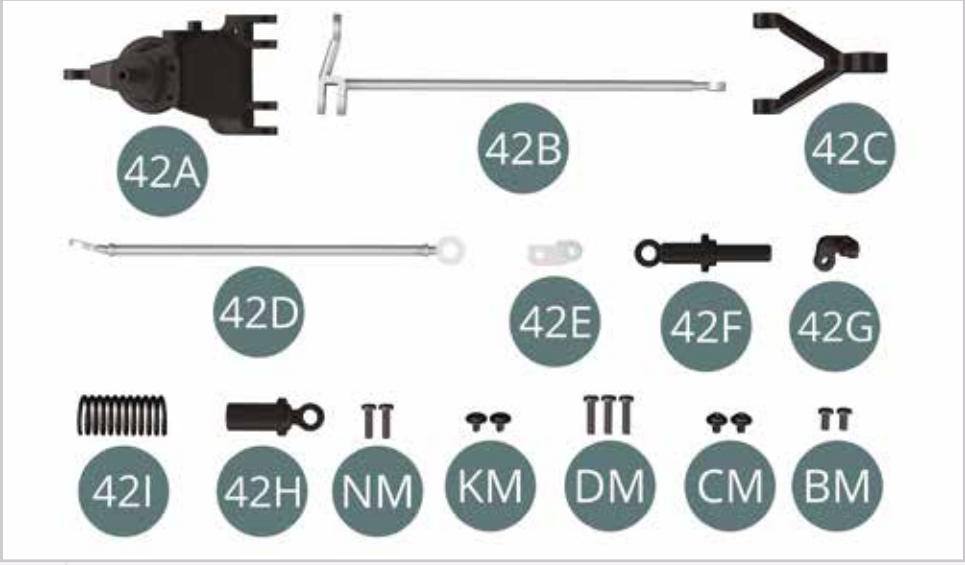
Fit 41G Bracket to 38A Left side frame and fix with BM screw.

General view



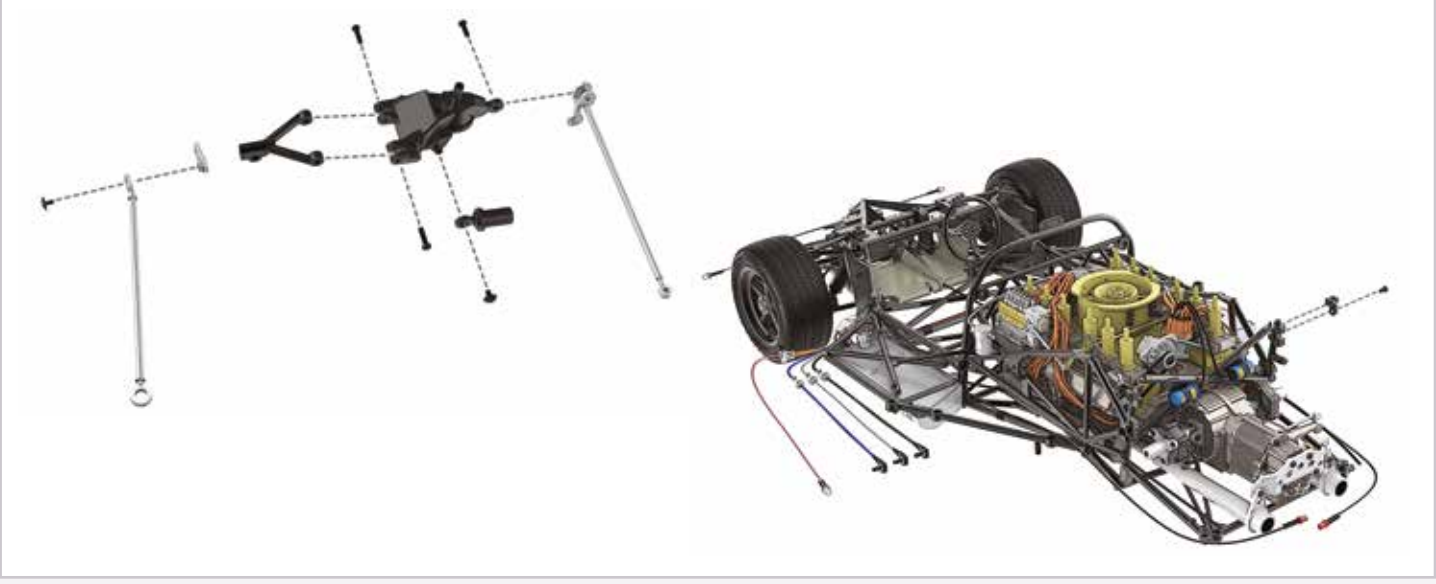
Parts of the issue 42

42A Rear right upright
42B Radius arm with upper link
42C Bottom wish bone
42D Radius arm
42E Bracket
42F Piston rod
42G Bracket
42H Suspension damper
42I Suspension spring
BM M2,0 x4mm (x2)
CM M2,0 x3x5mm (x2)
DM M2,0 x8mm (x3)
KM M1,7 x3x5mm (x2)
NM M2,0 x7mm (x2)



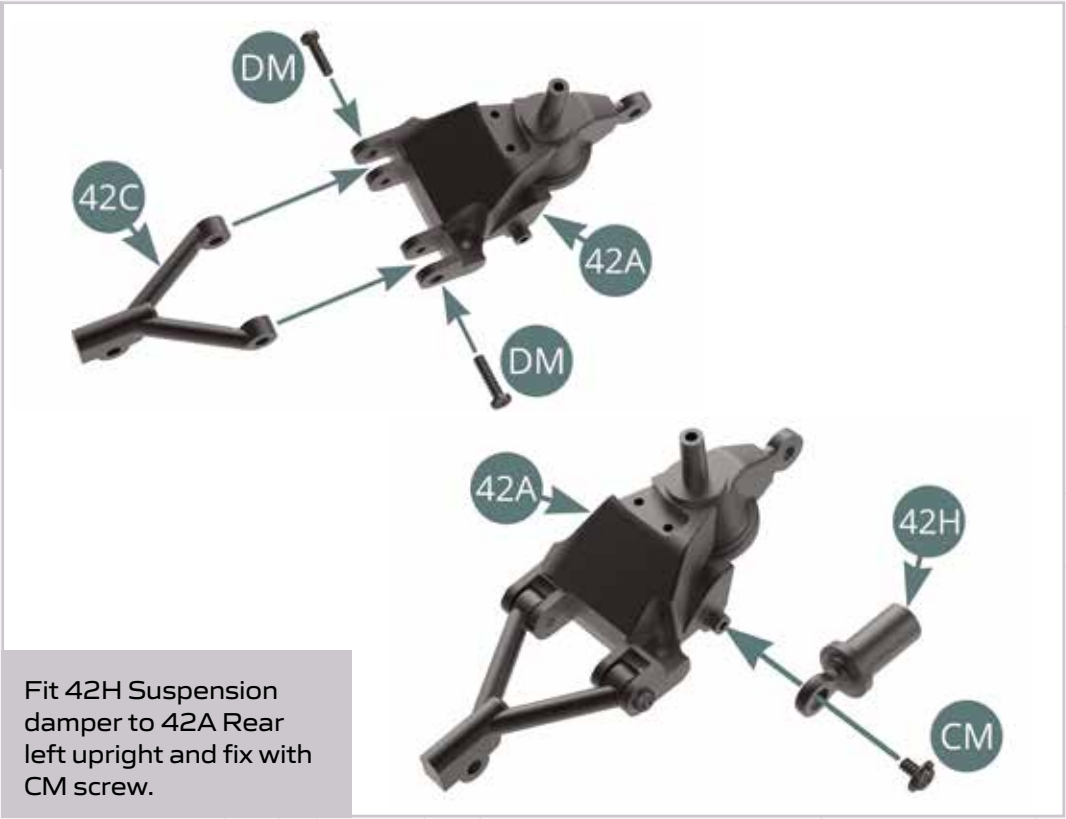
Right rear suspension preassembly

Assembly diagram



STEP 1

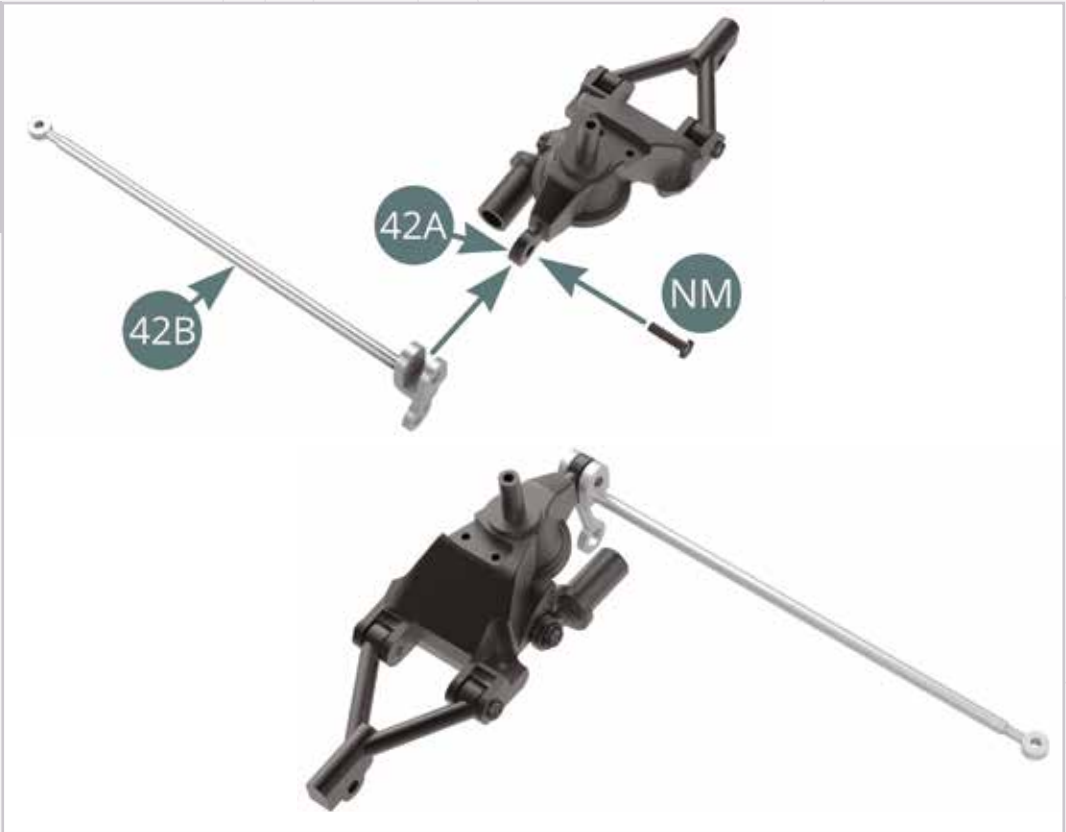
Fit 42C Bottom wish bone to 42A Rear right upright and fix with two DM screws.



Fit 42H Suspension damper to 42A Rear left upright and fix with CM screw.

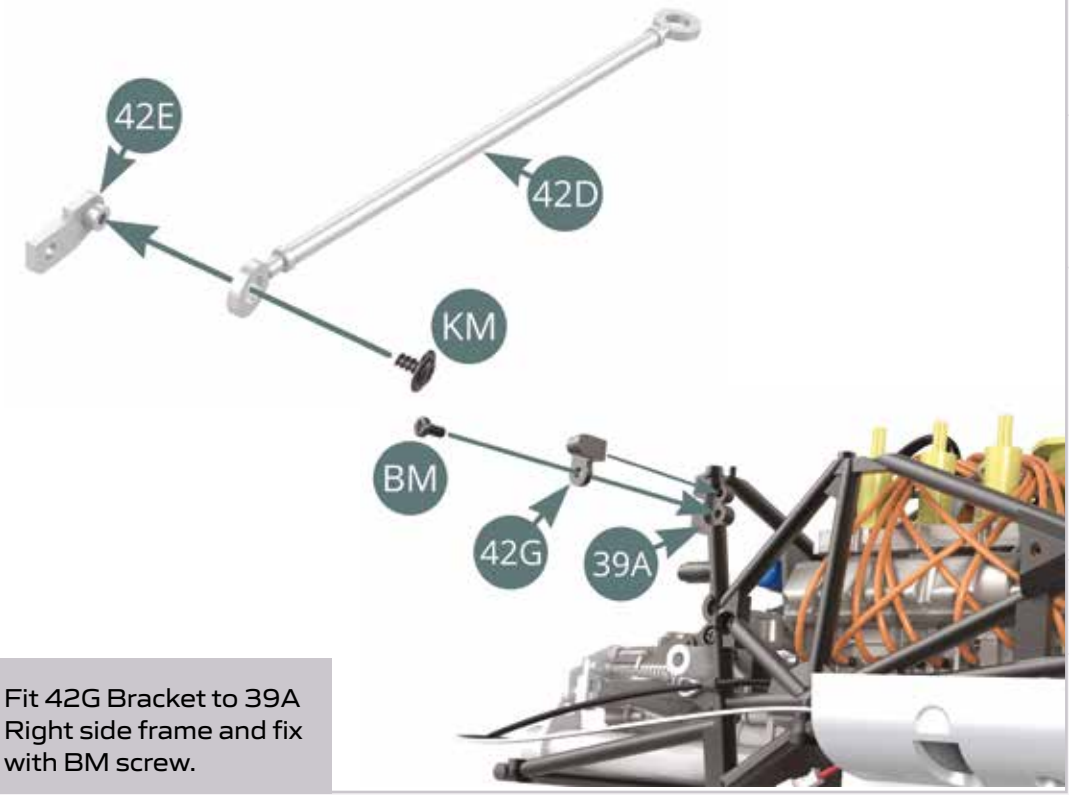
STEP 2

Fit 42B Radius arm with upper link to 42A Right rear upright and fix with NM screw (upper and lower illustrations).



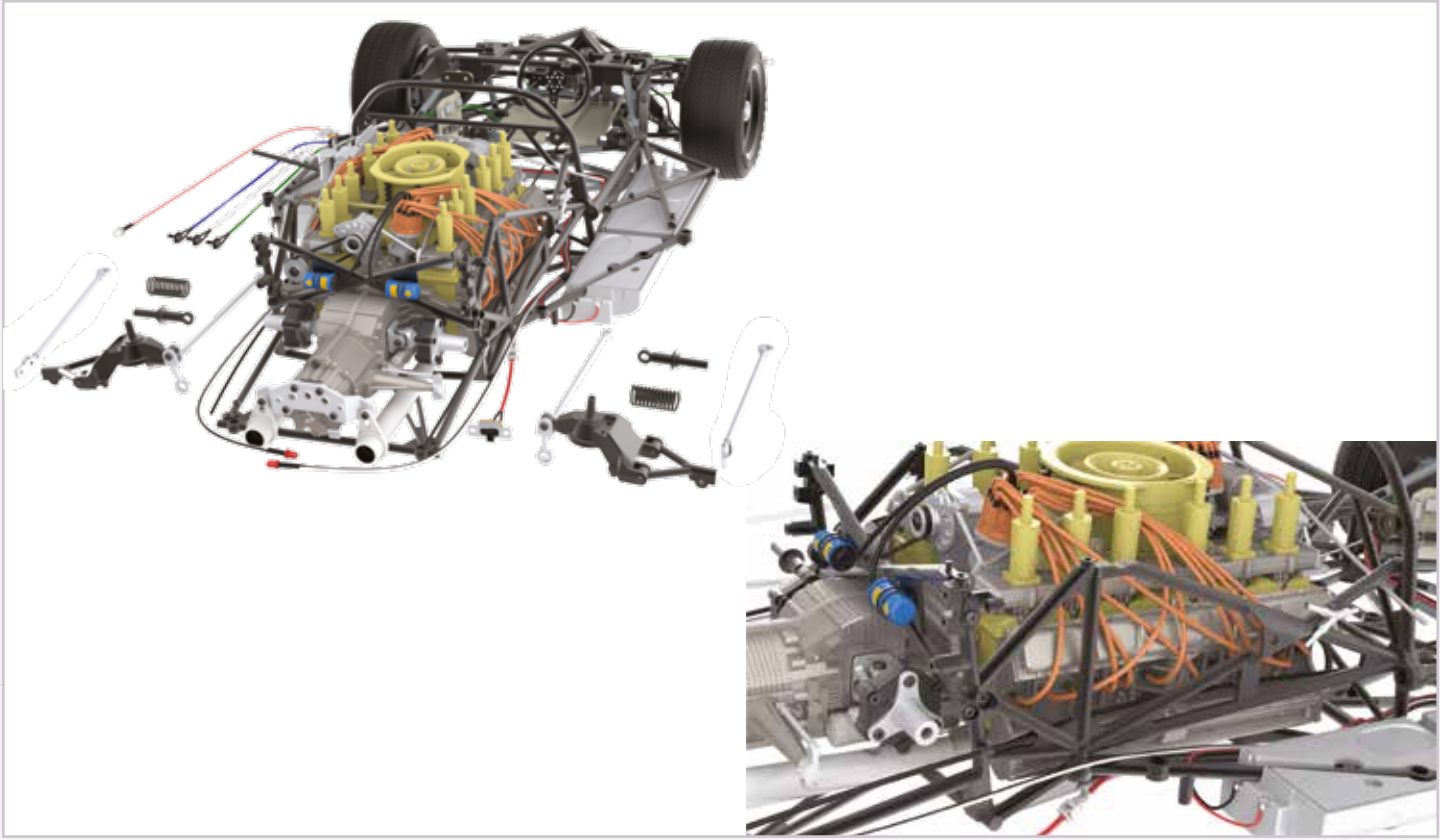
STEP 3

Fit 42D radius arm to 42E Bracket and fix with KM screw.



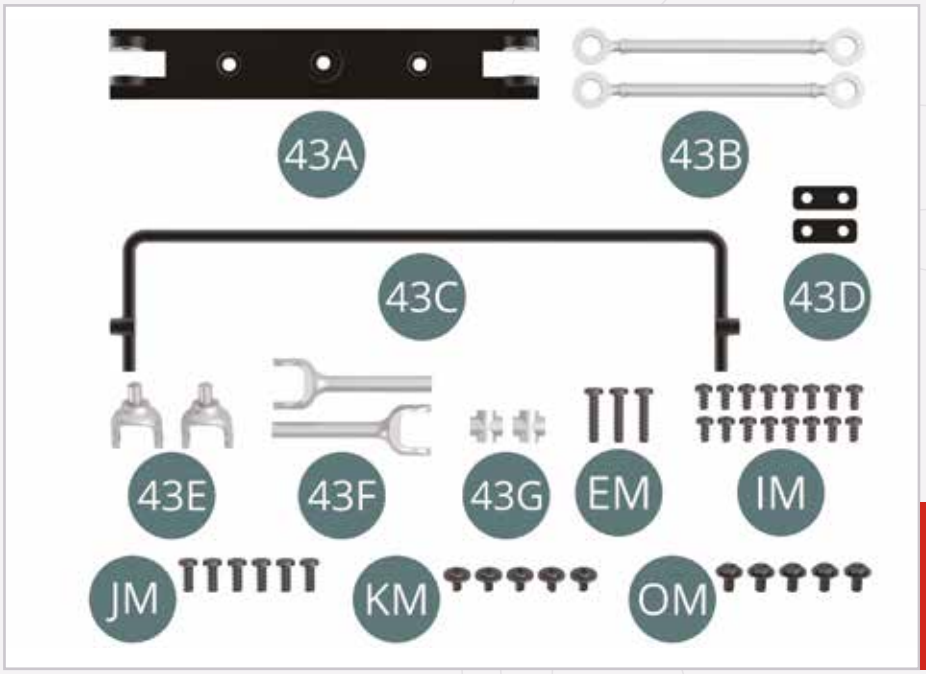
Fit 42G Bracket to 39A Right side frame and fix with BM screw.

GENERAL VIEW



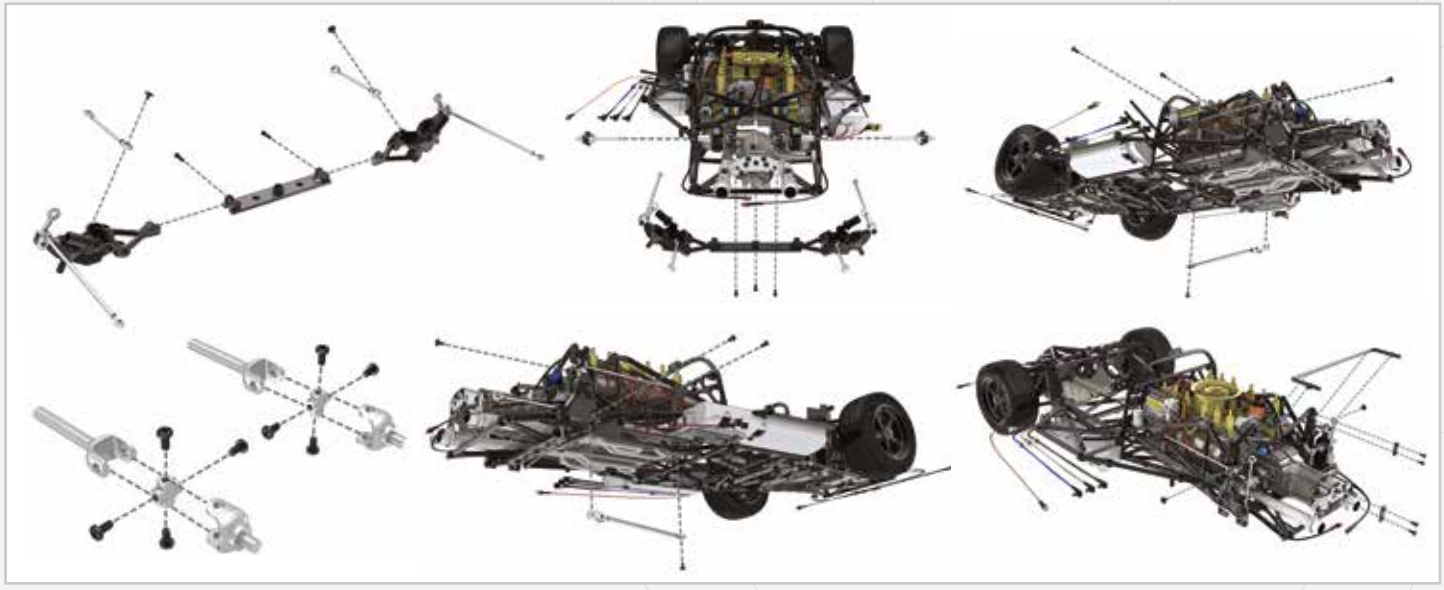
Parts of the issue 43

43A Rear axle
43B Drop links (x2)
43C Rear anti roll bar
43D Tie down planks (x2)
43E Half shaft (x2)
43F Half shaft (x2)
43G Universal joint (x2)
EM M2,0 x9mm (x3)
IM M1,7 x3,5mm (x16)
JM M2,0 x5mm (x6)
KM M1,7 x3x5mm (x5)
OM M2,0 x4x5mm (x5)



Rear axle and suspension assembly and installation

Assembly diagram



STEP 1

Fit 43B Drop link to 41A Rear left upright and fix with KM screw.

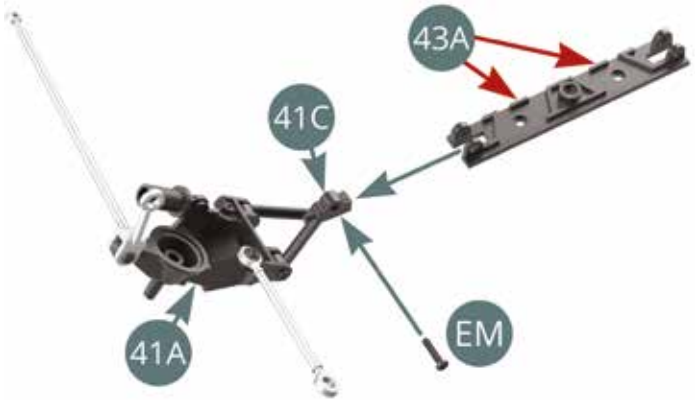


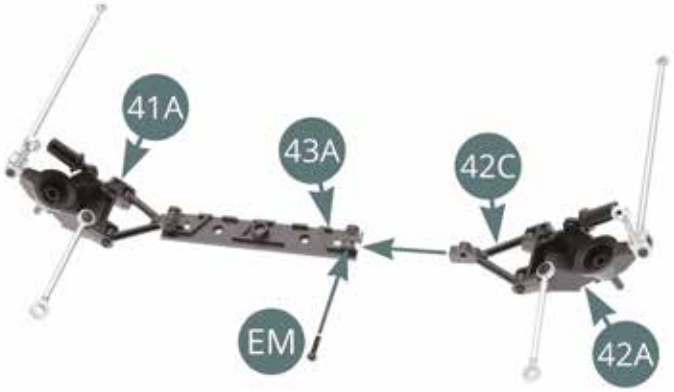


Fit 43B Drop link to 42A Rear right upright and fix with KM screw.

STEP 2

Fit 43A Rear axle (note its ribs orientation) to 41C Bottom wish bone of 41A Left upright and fix with EM screw.
Fit 42C Bottom wish bone of 42A Right upright to 43A Rear axle and fix with EM screw.





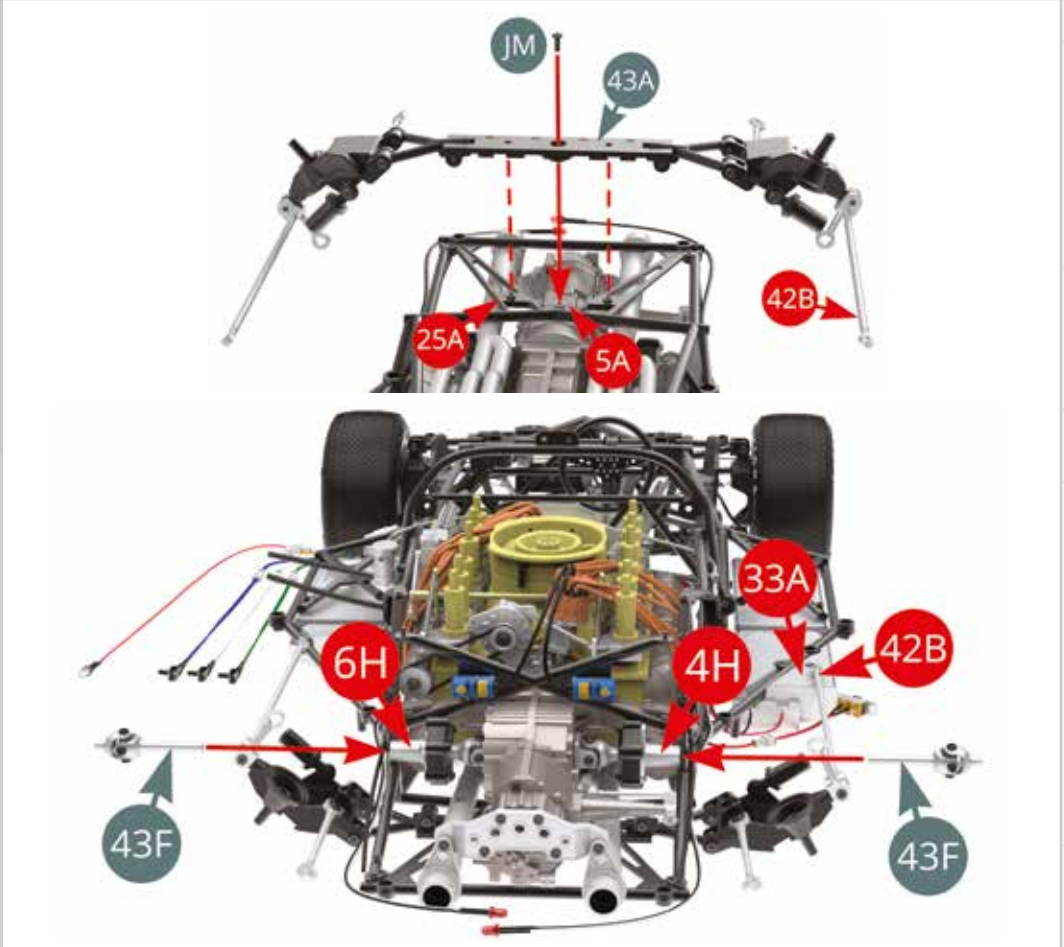
STEP 3

Assemble 2 sets of Half shafts following upper and lower illustrations:
Fit 43G Universal joint to 43F Half shaft and fix with two IM screws. Fit 43E half shaft to 43G Universal joint and fix with two IM screws.



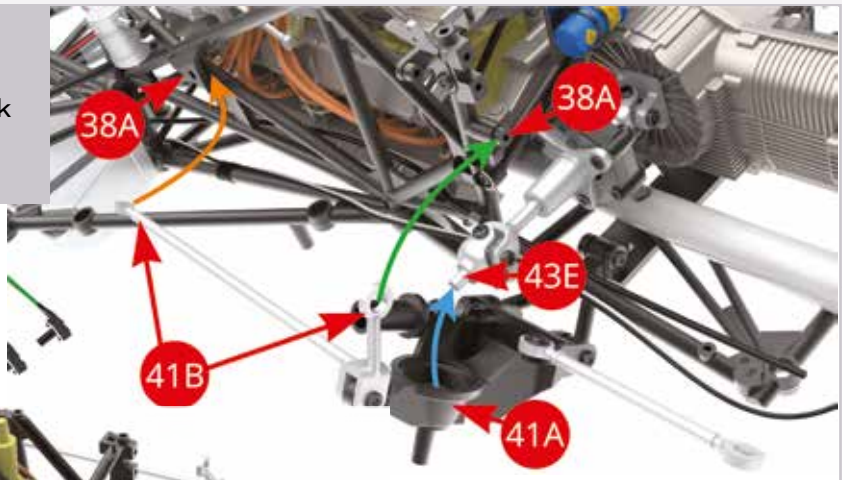
STEP 4

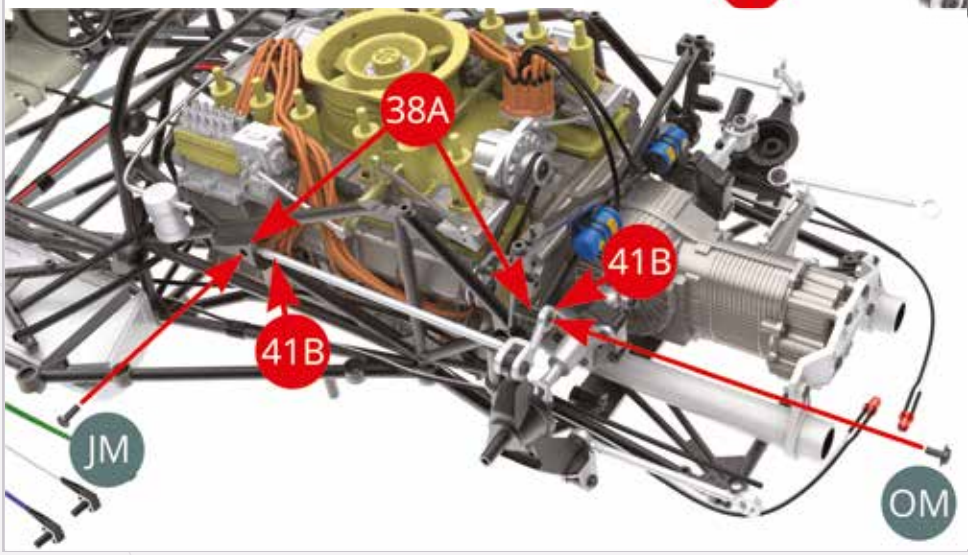
Fit 43A rear axle to 25A Chassis frame and fix to 5A Casing with JM screw. Take note to place the end of 42B Radius arm above 33A Right fuel tank top panel (lower illustration). Fit two preassembled universal jointed 43F Half shafts to 6H and 4H Drive shaft compensation sleeves.



STEP 5

Elevate 41A Left upright to catch the stub of 43E Half axle (blue arrow), at the same time aligning 41B Radius arm with upper link to 38A Left side frame attachment points (orange and green arrows).

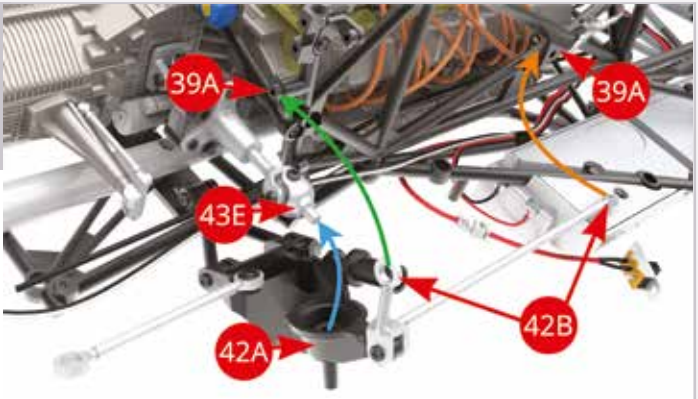


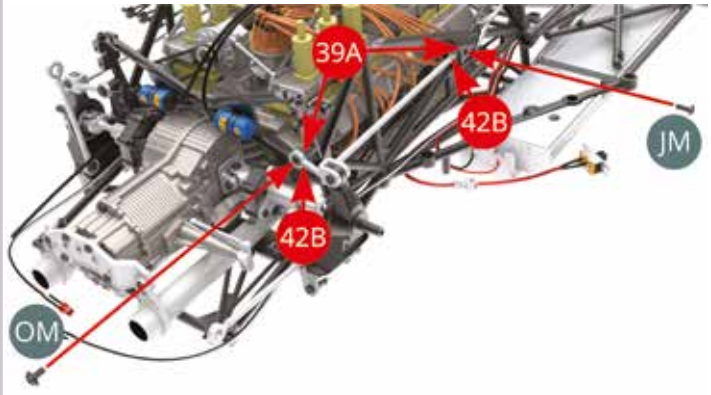


Fix 41B Radius arm with upper link to 38A Left side frame with JM and OM screws.

STEP 6

Elevate 42A Right upright to catch the stub of 43E Half axle (blue arrow), at the same time aligning 42B Radius arm with upper link to 39A Right side frame attachment points (orange and green arrows).

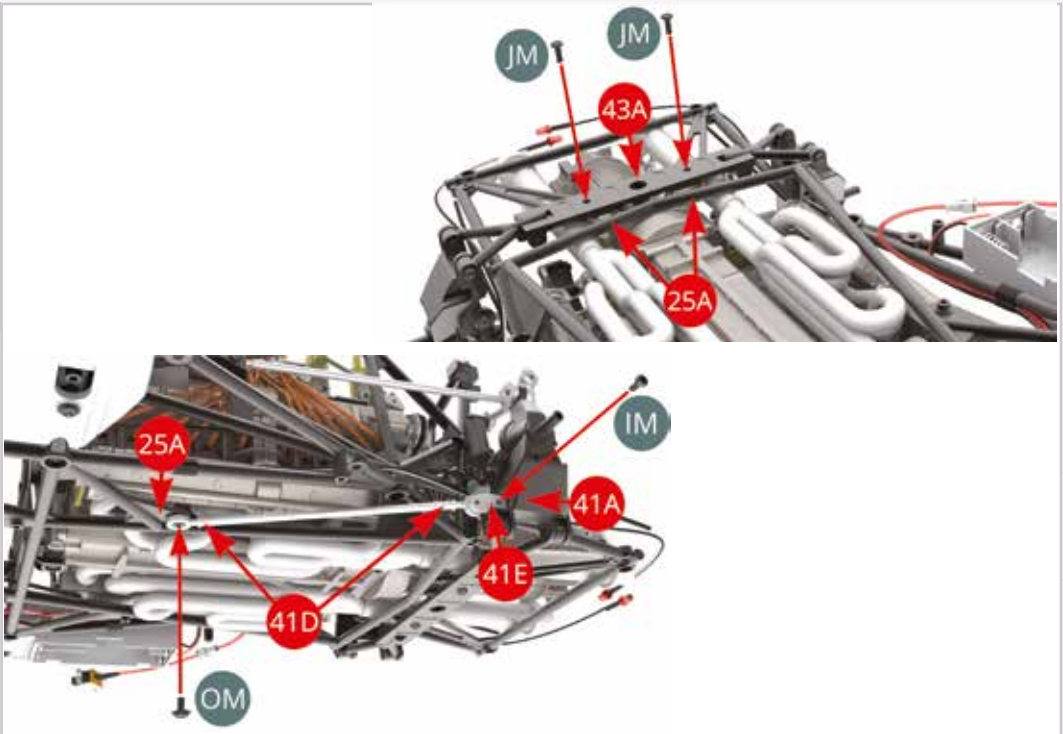




Fix 42B Radius arm with upper link to 39A Right side frame with JM and OM screws.

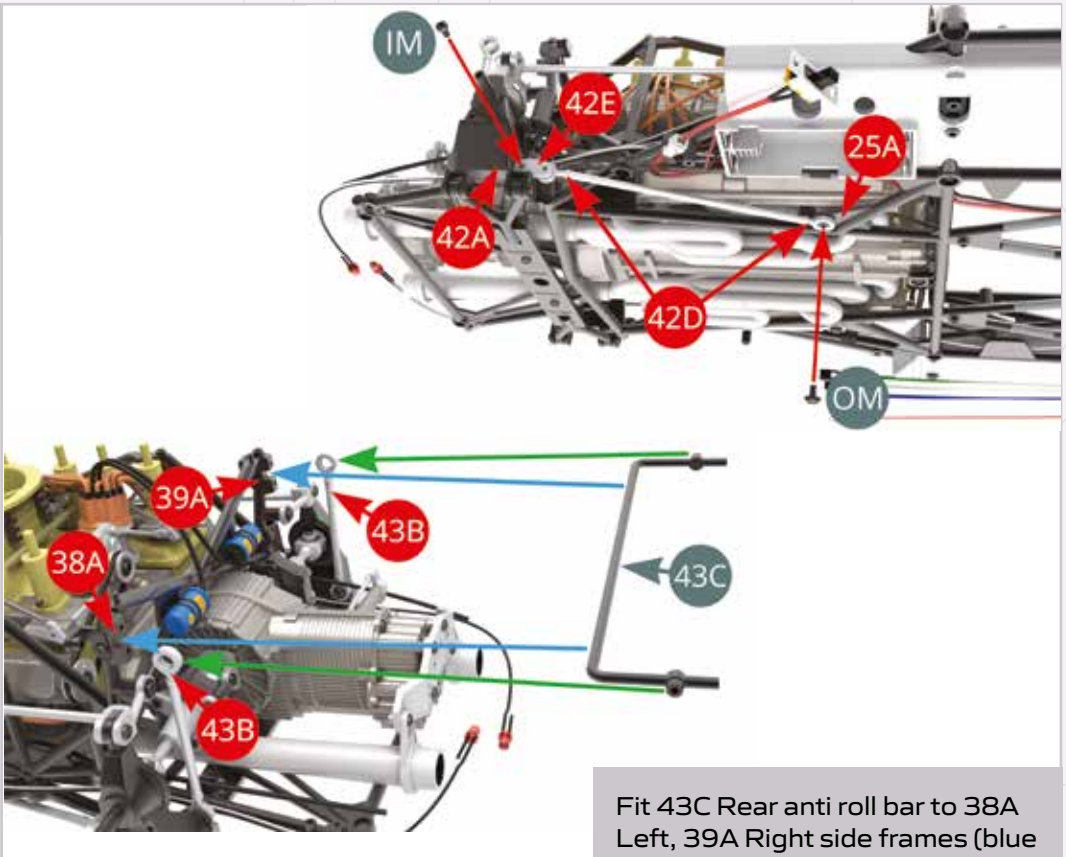
STEP 7

Fix 43A Rear axle to 25A Chassis frame with two JM screws. Fix preassembled 41D radius arm with 41E Bracket to 25A Chassis frame by OM screw, and 41A Left upright by IM screw respectively.



STEP 8

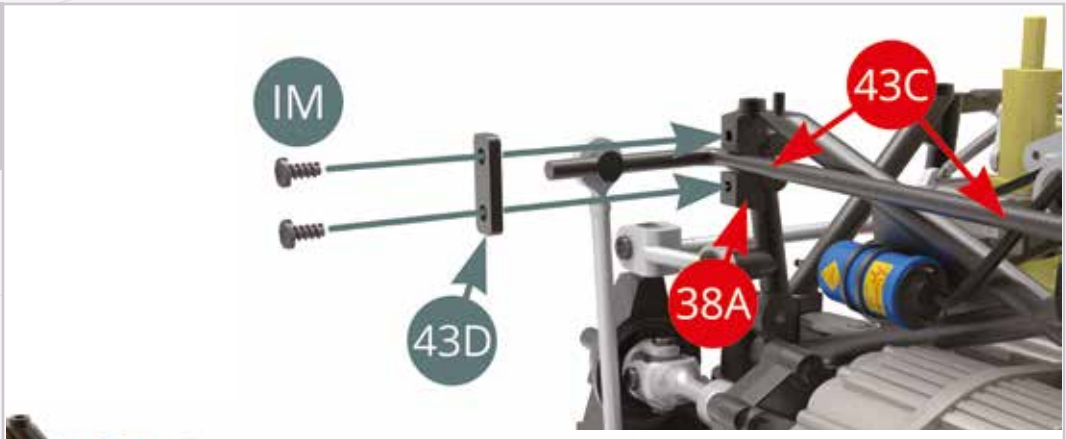
Fix preassembled 42D radius arm with 42E Bracket to 25A Chassis frame by OM screw, and 42A Right upright by IM screw respectively.

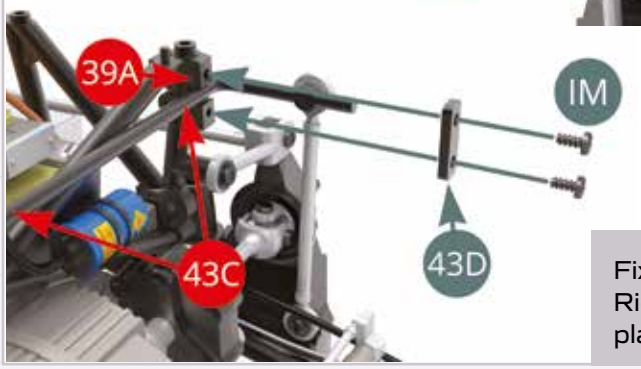


Fit 43C Rear anti roll bar to 38A Left, 39A Right side frames (blue arrows) and two 43B Drop links (green arrows).

STEP 9

Fix 43C Rear anti roll bar to 38A Left side frame via 43D Tie down plank with two IM screws.

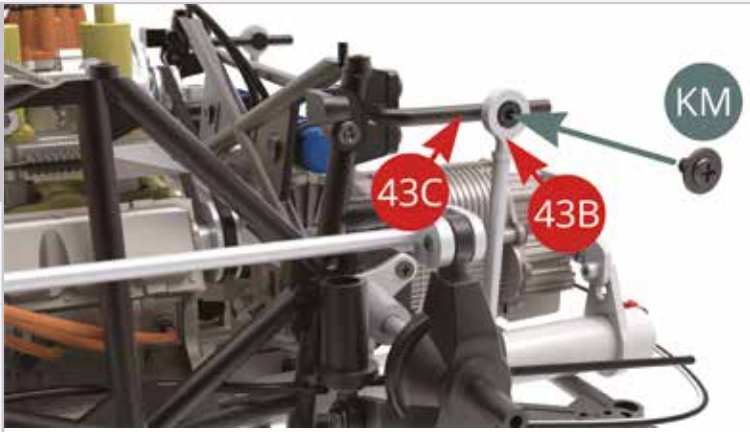


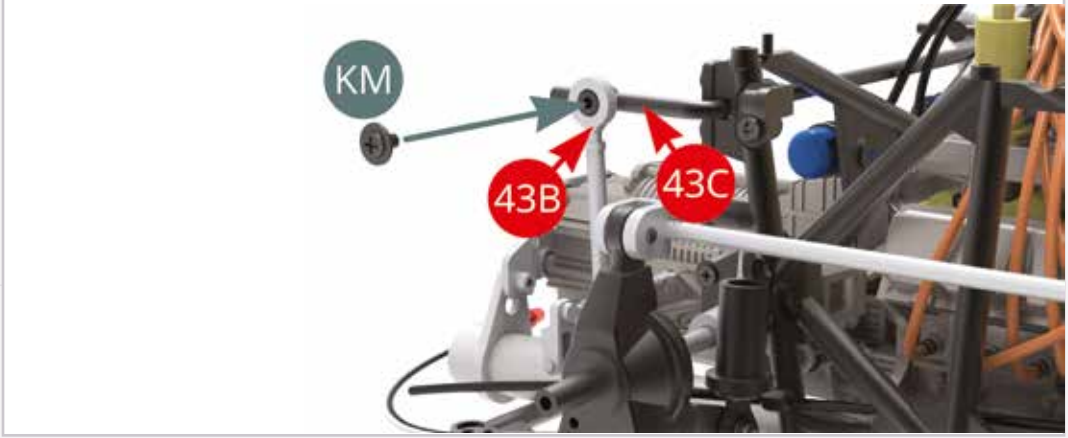


Fix 43C Rear anti roll bar to 39A Right side frame via 43D Tie down plank with two IM screws.

STEP 10

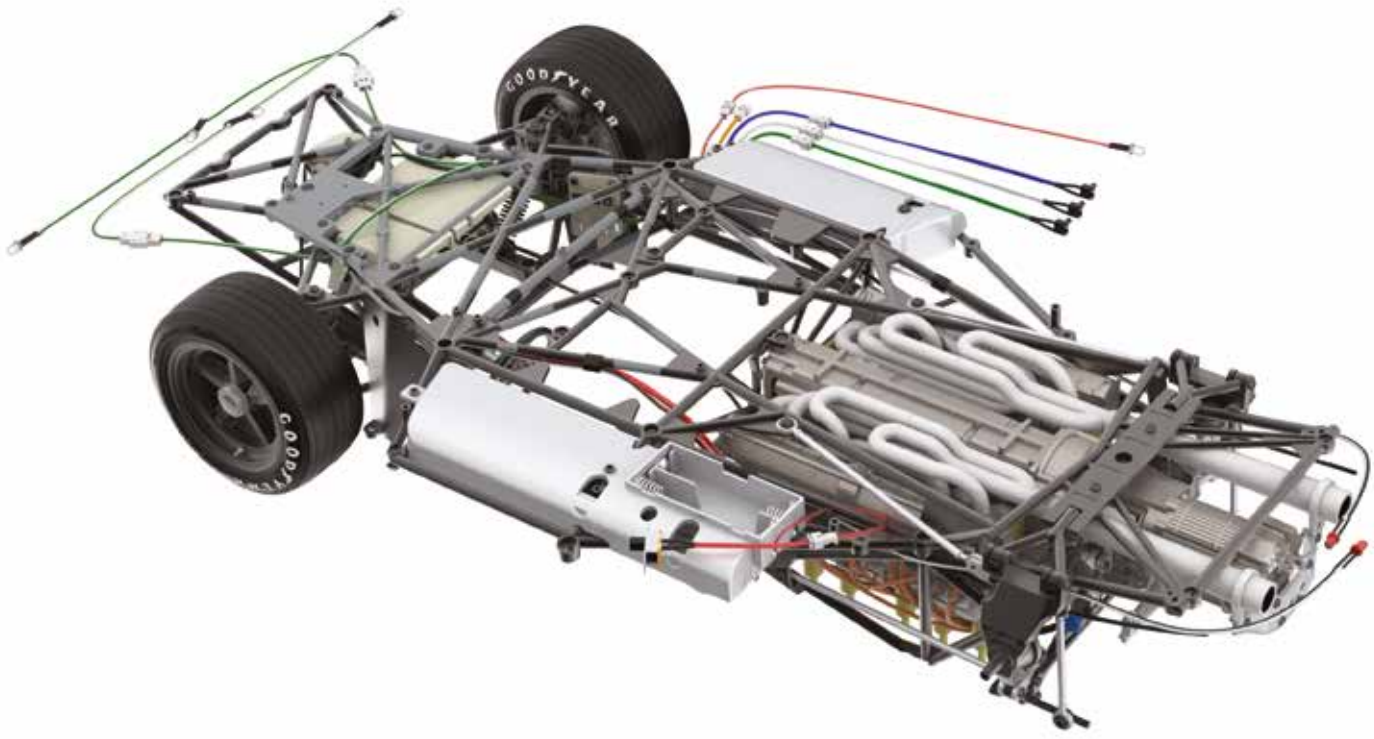
Fix 43C Rear anti roll bar to Left and Right side 43B drop links with two KM screws (upper and lower illustrations).





General view





Parts of the issue 44

44A Left caliper

44B Right caliper

44C Cylinders housing (x2)

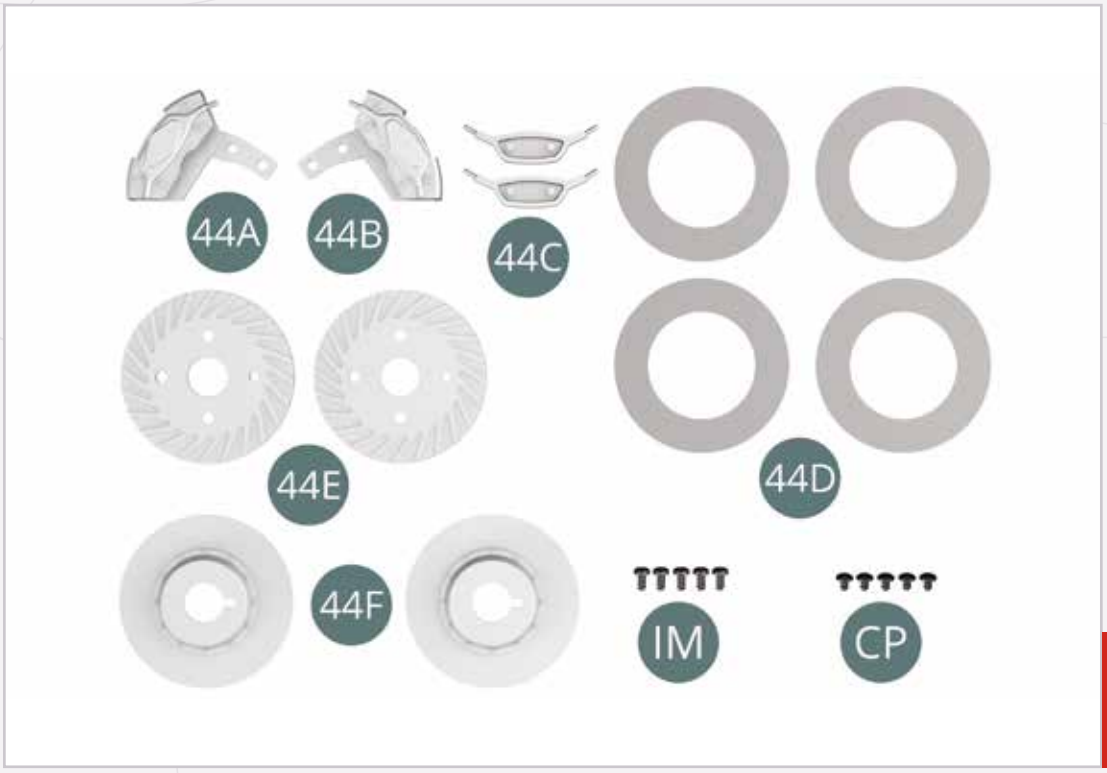
44D Brake disc (x4)

44E Inner rotor (x2)

44F Outer rotor and hub (x2)

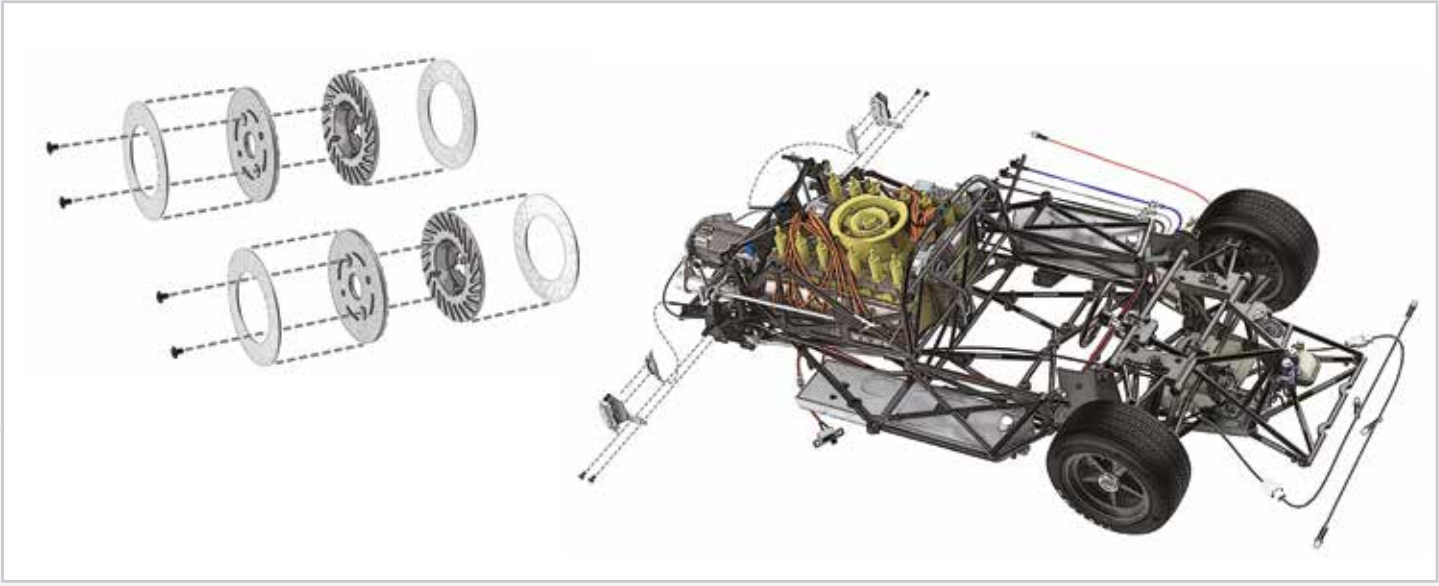
CP M1,7 x3x3mm (x5)

IM M1,7 x3,5mm (x5)

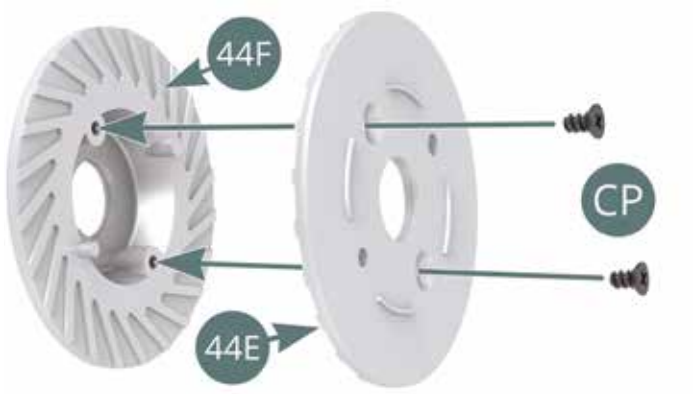


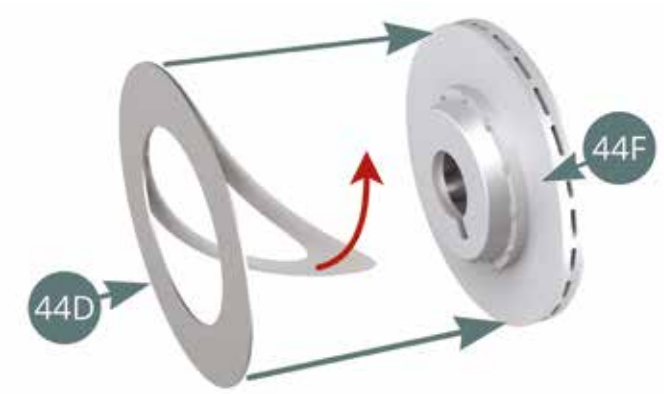
Rear rotors and calipers preassembly and installation

Assembly diagram



STEP 1

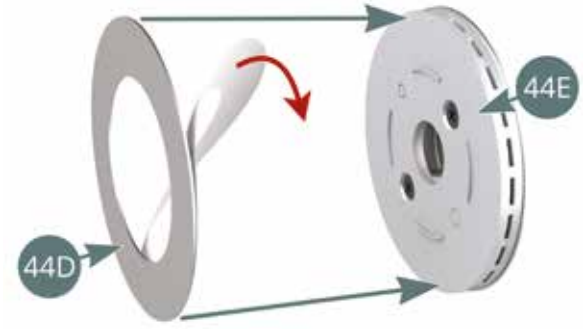




Fit together 44E Inner rotor and 44F Outer rotor and hub and fix with two CP screws. Assemble two sets. Peel away (red arrow) backing paper from 44D Brake disc and apply with its self adhesive side to 44F Outer rotor and hub. Assemble two sets.

STEP 2

Peel away (red arrow) backing paper from 44D Brake disc and apply with its self adhesive side to 44tE Inner rotor. Assemble two sets.

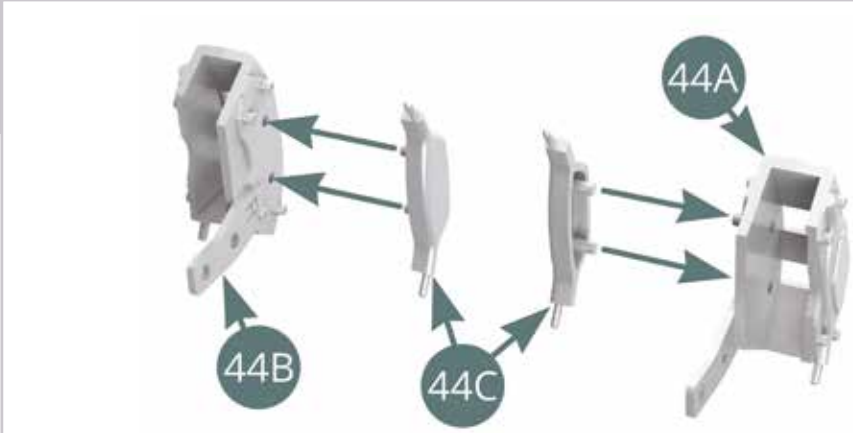




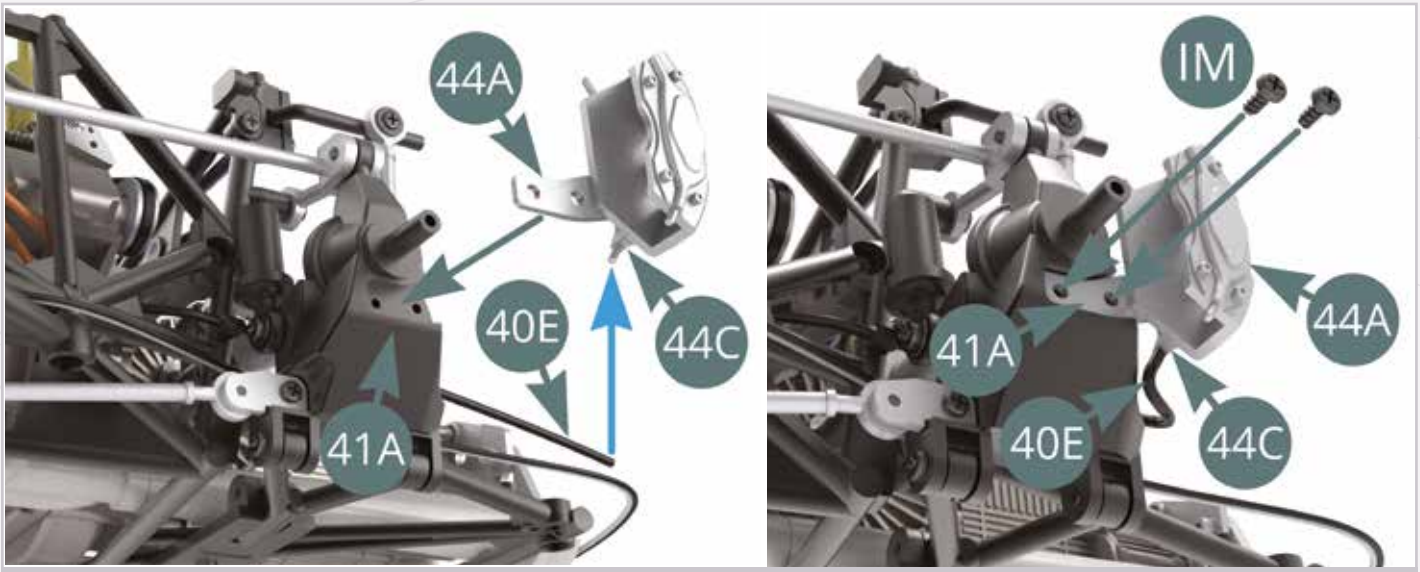
Preassembled left and right side rotors

STEP 3

Fit 44C Cylinders housing to 44A Left and 44B Right calipers.



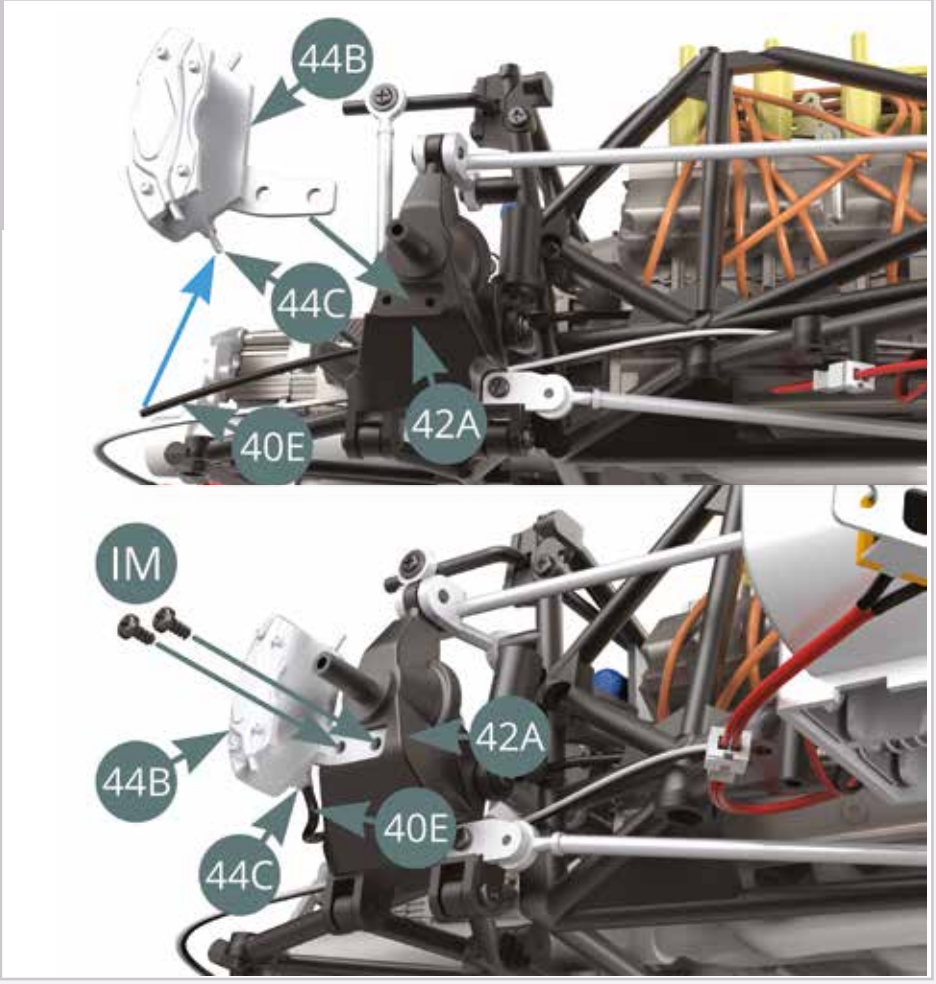
STEP 4



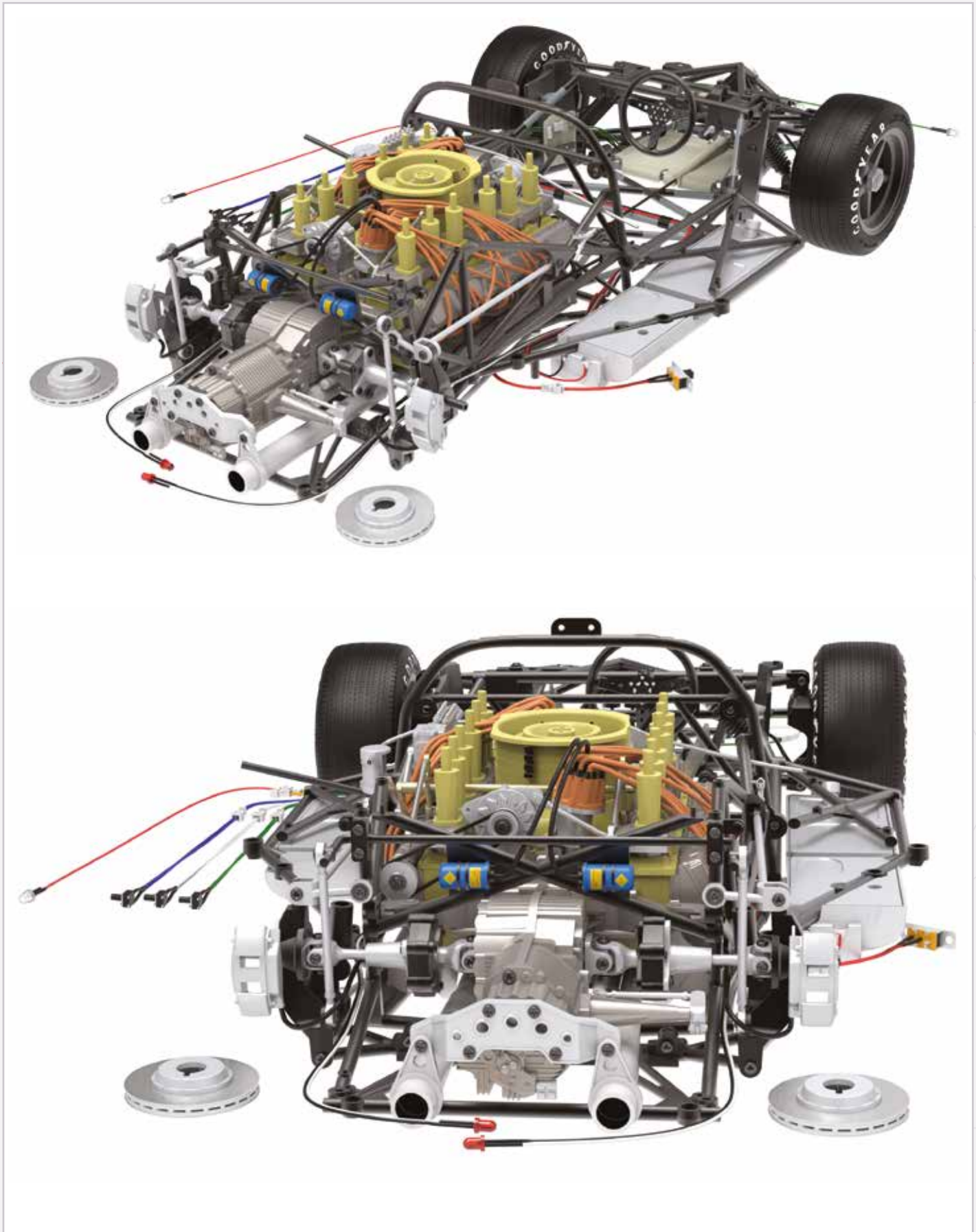
Fit 40E Brake line to 44C Cylinders housing lower pin (blue arrow). Fit 44A Left caliper to 41A Rear left upright and fix with two IM screws (upper illustrations).

STEP 5

Fit 40E Brake line to 44C Cylinders housing lower pin (blue arrow). Fit 44B Right caliper to 42A Rear right upright and fix with two IM screws (upper and lower illustrations).



General view



Parts of the issue 45

45A Support frame
45B Left column
45C right column
45D Transmission cooling duct
45E Transmission cooling duct
45F Flare end
45G Bracket
AP M1,7 X4mm (x4)
IM M1,7 x3,5mm (x3)
KM M1,7 x3x5mm (x3)



Support frame installation and transmission cooling duct assembly

Assembly diagram



STEP 1

Fit 45G Bracket to 45E Transmission cooling duct and fix with AP screw.
Connect 45E and 45D Transmission cooling duct halves and fix with two AP screws.



STEP 2

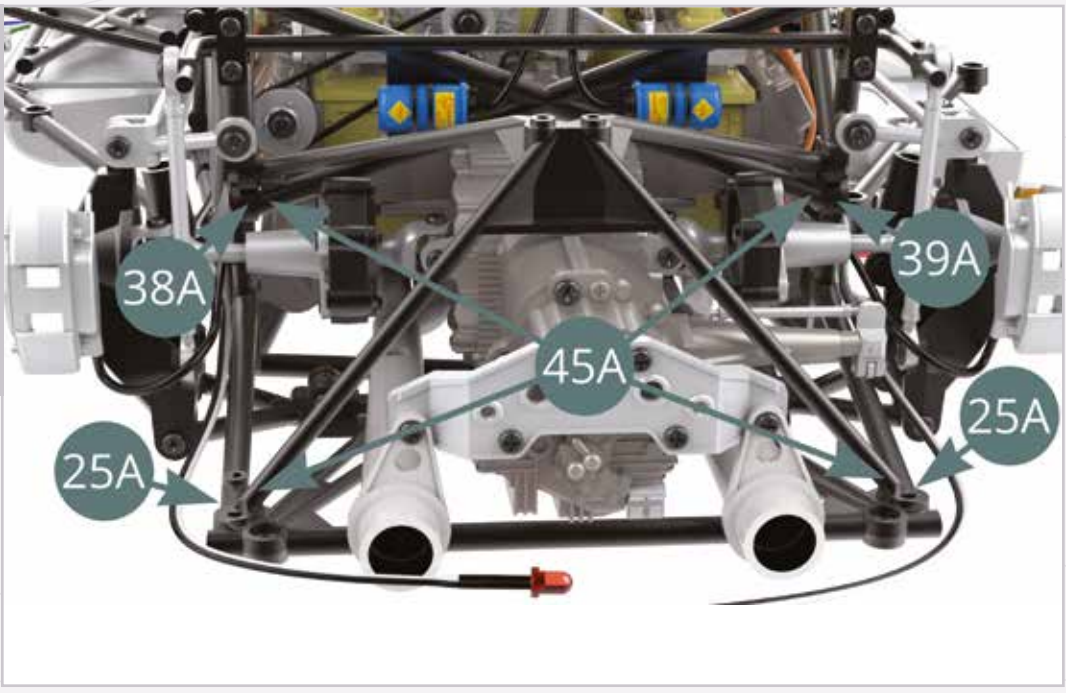
Fit 45F Flare end to 45E, 45D Transmission cooling duct.



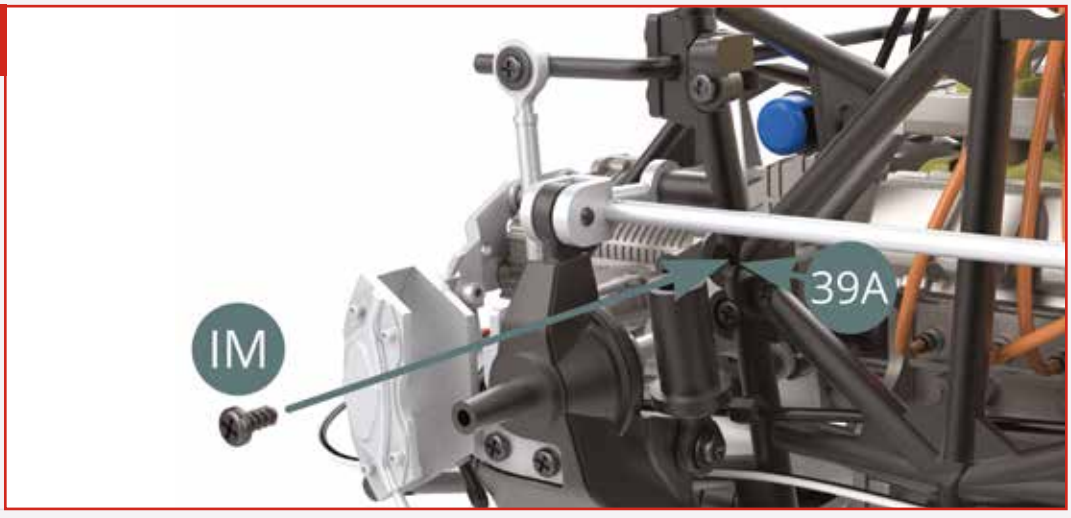
STEP 3

Fit 45A Support frame to 25A Chassis frame and 38A Left, 39A Right Side frames.

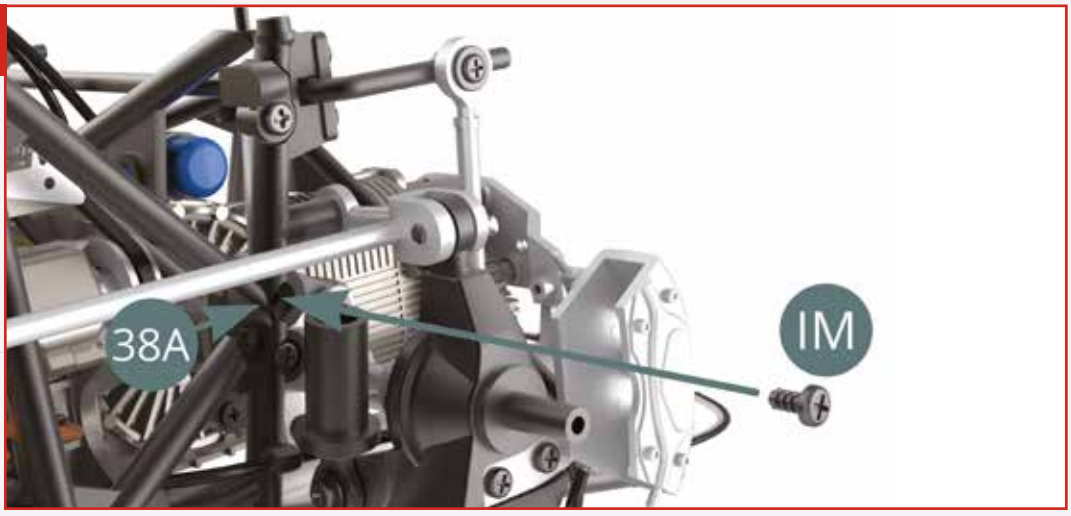
Fix 45A Support frame to 38A Left and 39A Right Side frames with two IM screws as shown on next page two illustrations.



Right side



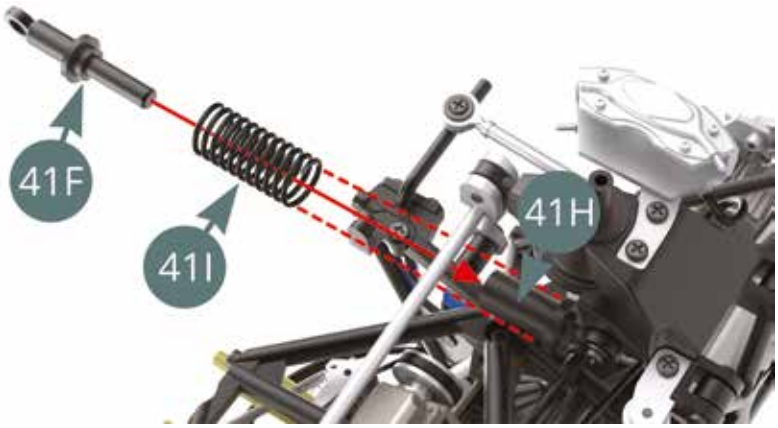
Left side

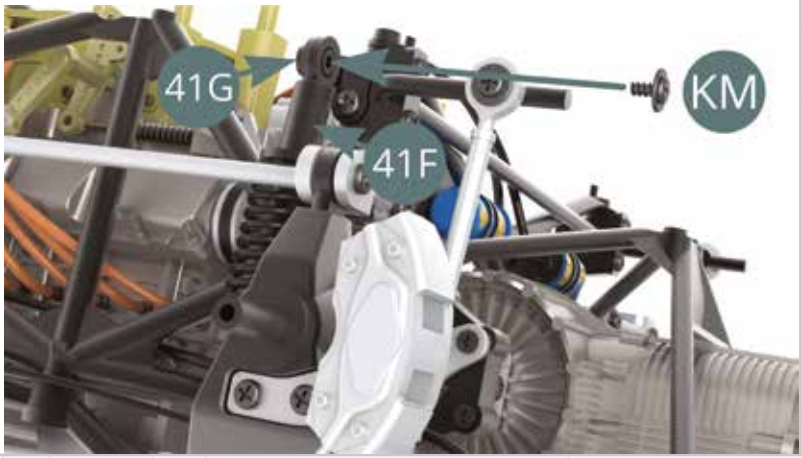


STEP 4

Fit 41I Suspension spring on 41H Suspension damper (red dashed lines). Fit 41F Piston rod through 41I Suspension spring and into 41H Suspension damper cylinder.

Fit 41F Piston rod to 41G Bracket pin and fix with KM screw.

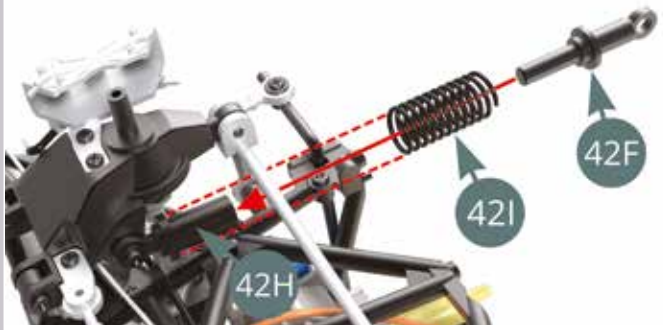




STEP 5

Fit 42I Suspension spring on 42H Suspension damper (red dashed lines). Fit 42F Piston rod through 42I Suspension spring and into 42H Suspension damper cylinder.

Fit 42F Piston rod to 42G Bracket pin and fix with KM screw.





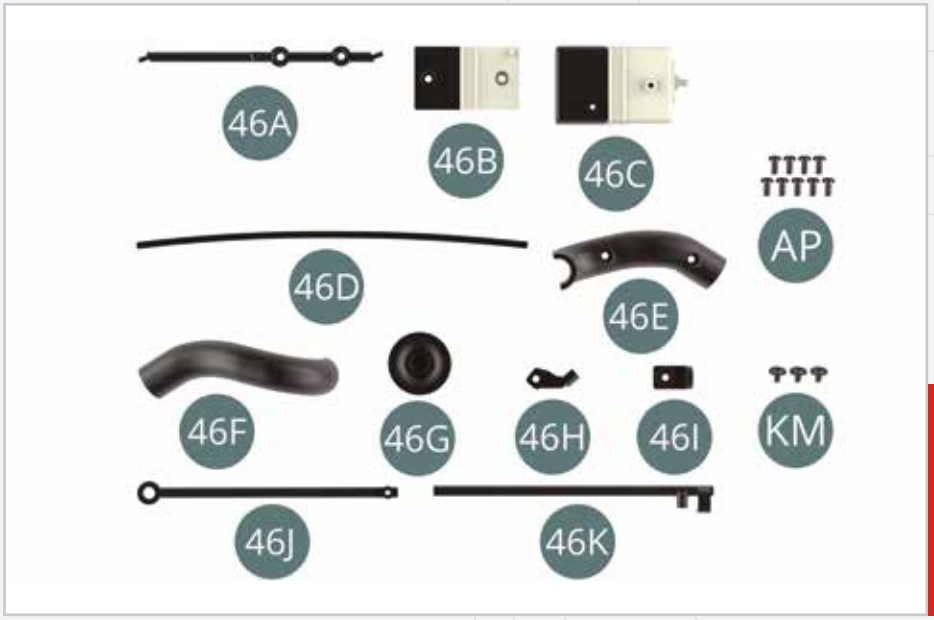
General view





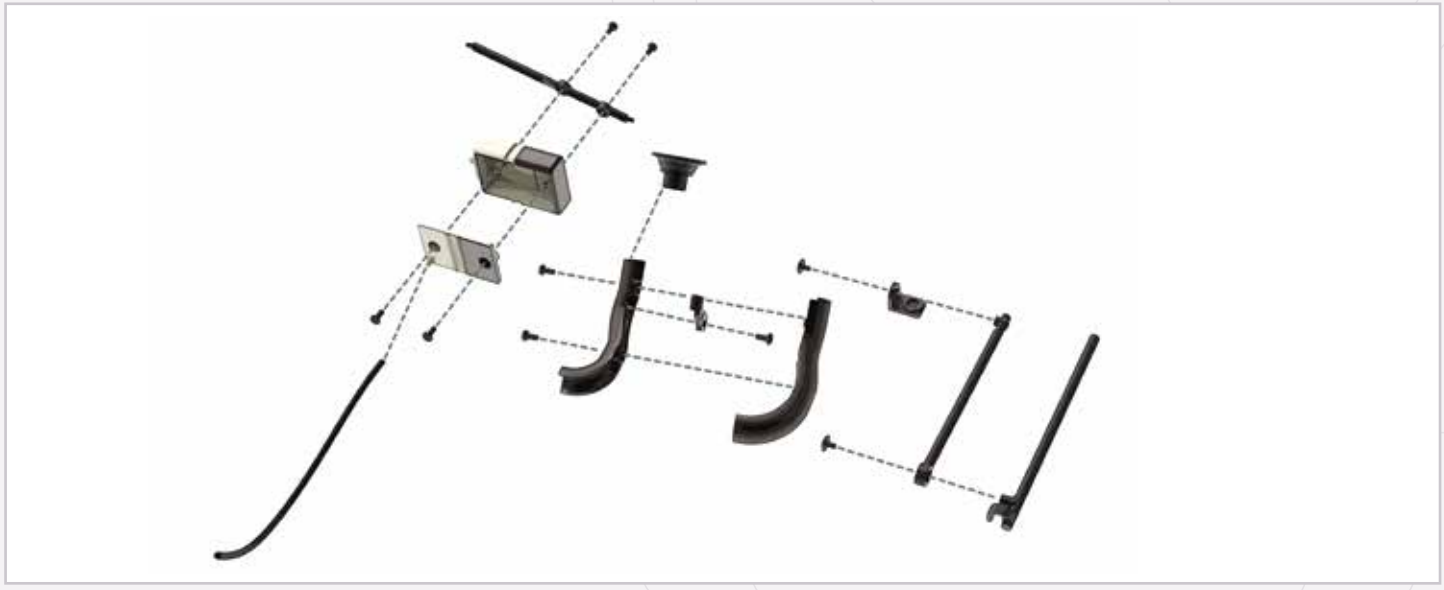
Parts of the issue 46

46A Strut
46B Engine oil catch tank wall
46C Engine oil catch tank
46D Engine oil catch hose
46E Transmission cooling duct
46F Transmission cooling duct
46G Flare end
46H Bracket
46I Hood strut mount
46J Hood strut link
46K Hood strut link
AP M1,7 X4mm (x9)
KM M1,7 x3x5mm (x3)



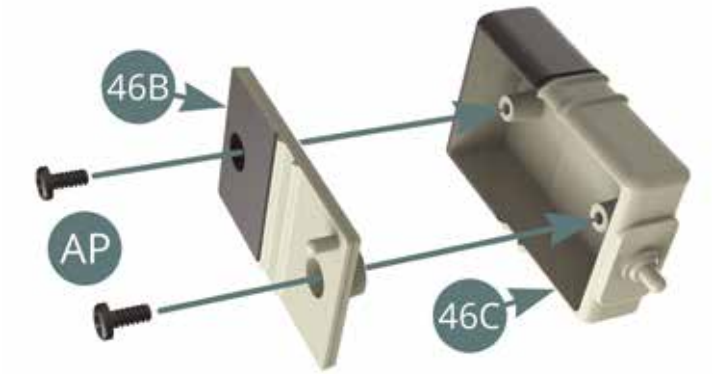
Engine oil catch tank, right side transmission cooling duct and hood folding strut assembly

Assembly diagram



STEP 1

Fit 46B Wall to 46C Engine oil catch tank and fix with two AP screws.

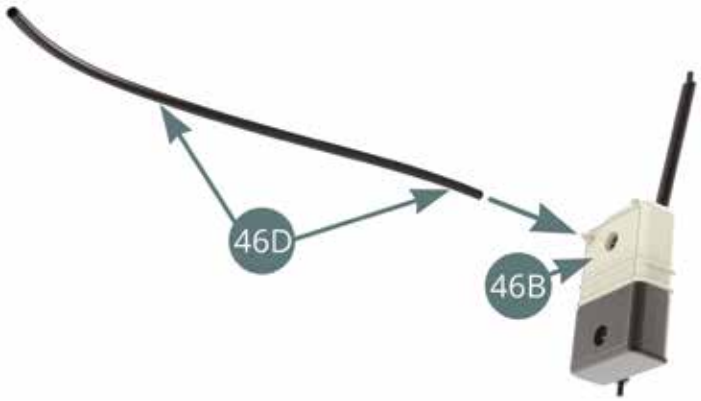


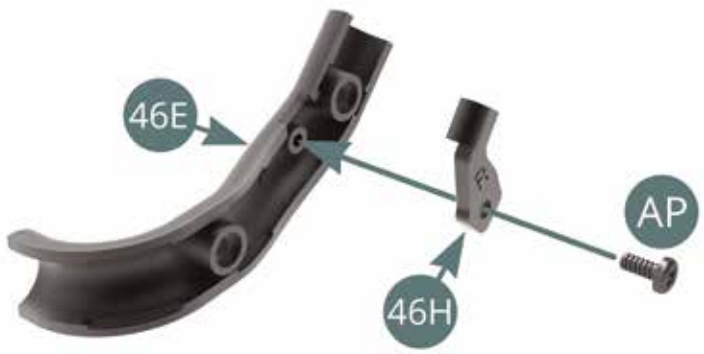


Fit 46A Strut to 46C Engine oil catch tank and fix with two AP screws.

STEP 2

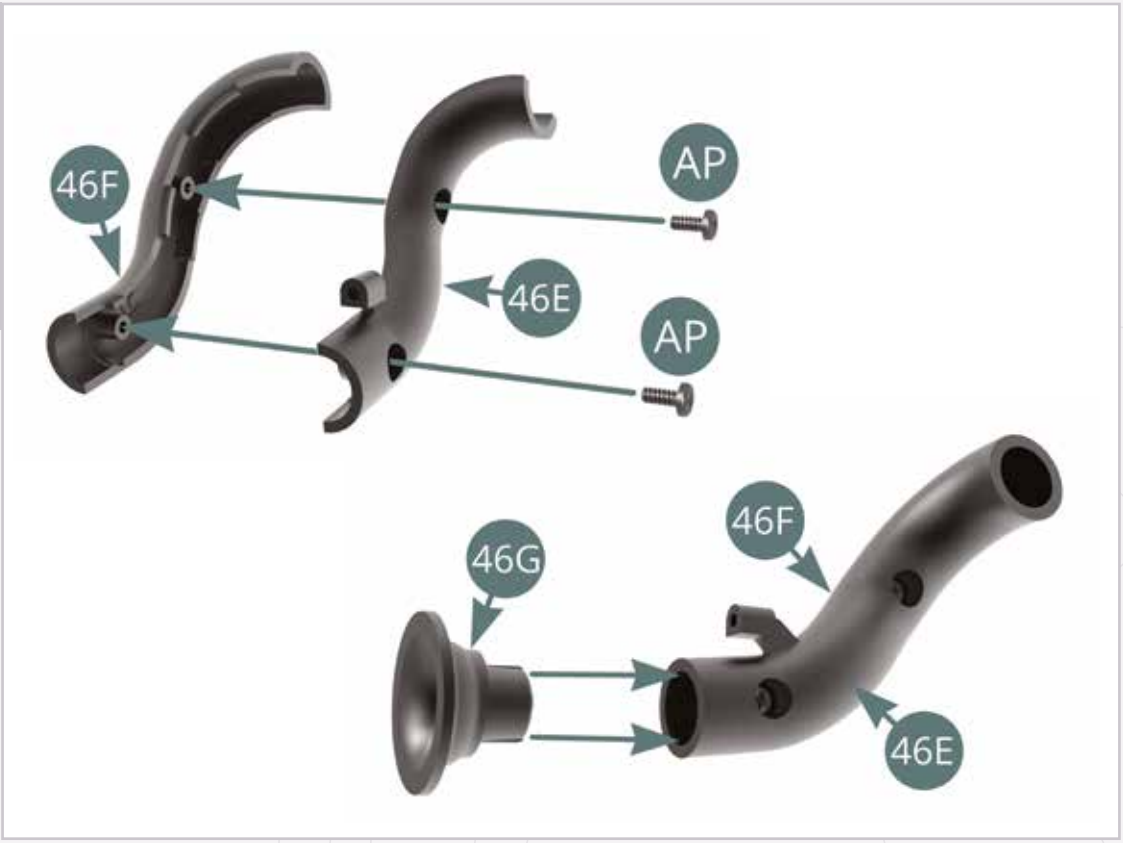
Fit 46D Oil hose to 46B Engine oil catch tank wall. Fit 46H Bracket to 46E Transmission cooling duct and fix with AP screw.





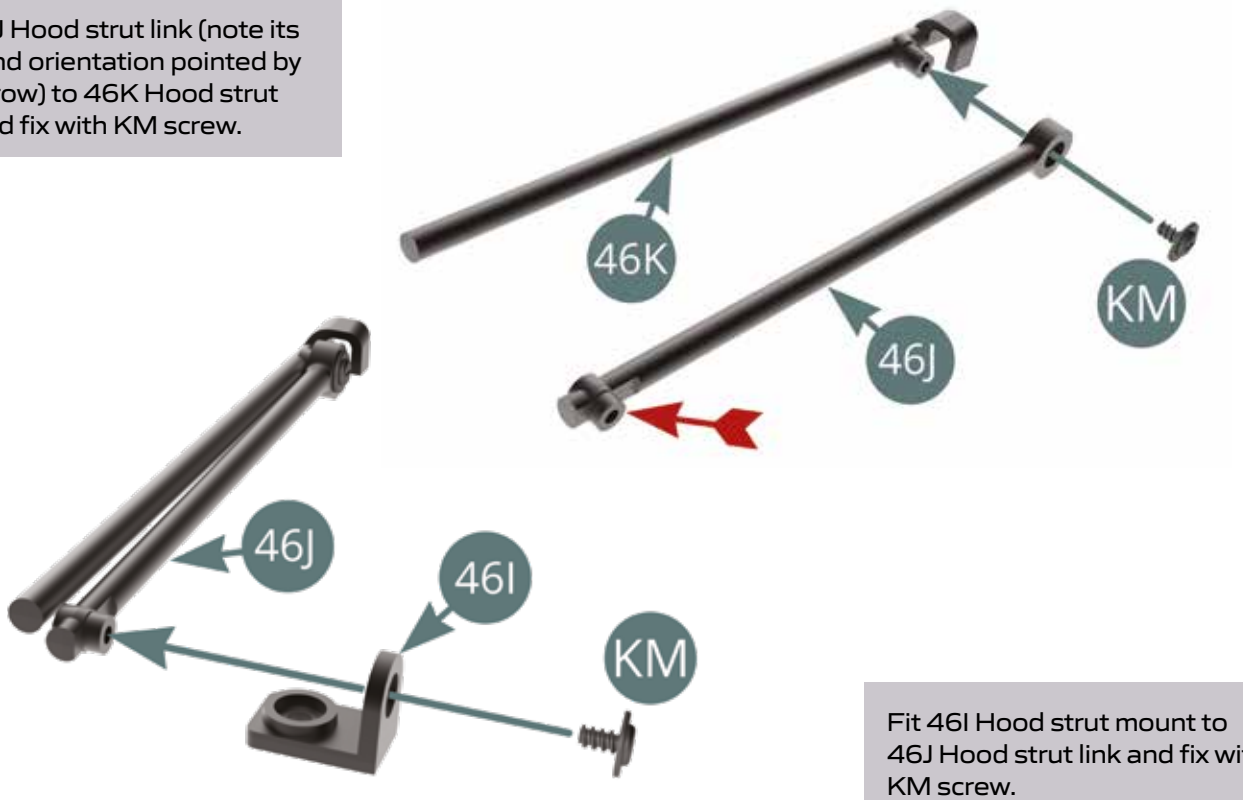
STEP 3

Fit together 46F and 46E Transmission cooling duct halves and fix them with two AP screws. Fit 46G Flare end to 46F and 46E Transmission cooling duct.



STEP 4

Fit 46J Hood strut link (note its free end orientation pointed by red arrow) to 46K Hood strut link and fix with KM screw.



Fit 46I Hood strut mount to 46J Hood strut link and fix with KM screw.

General view



Parts of the issue 47

47A Upper frame

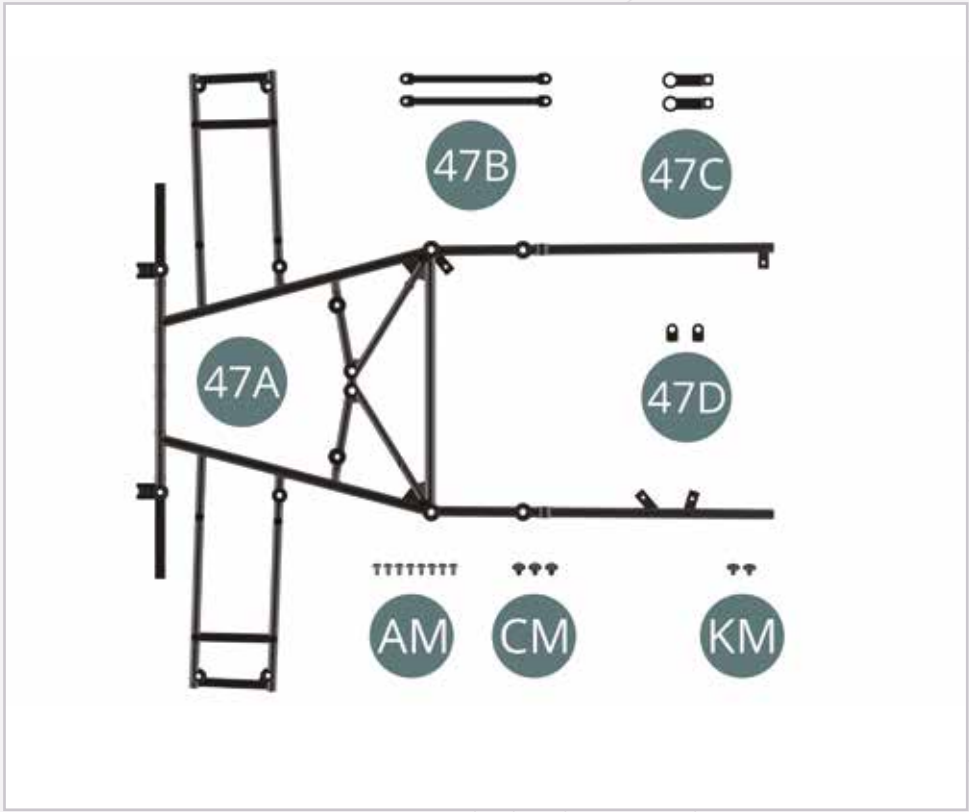
47B Front lower strut (x2)

47C Bracket (x2)

AM M1,7 x3mm (x8)

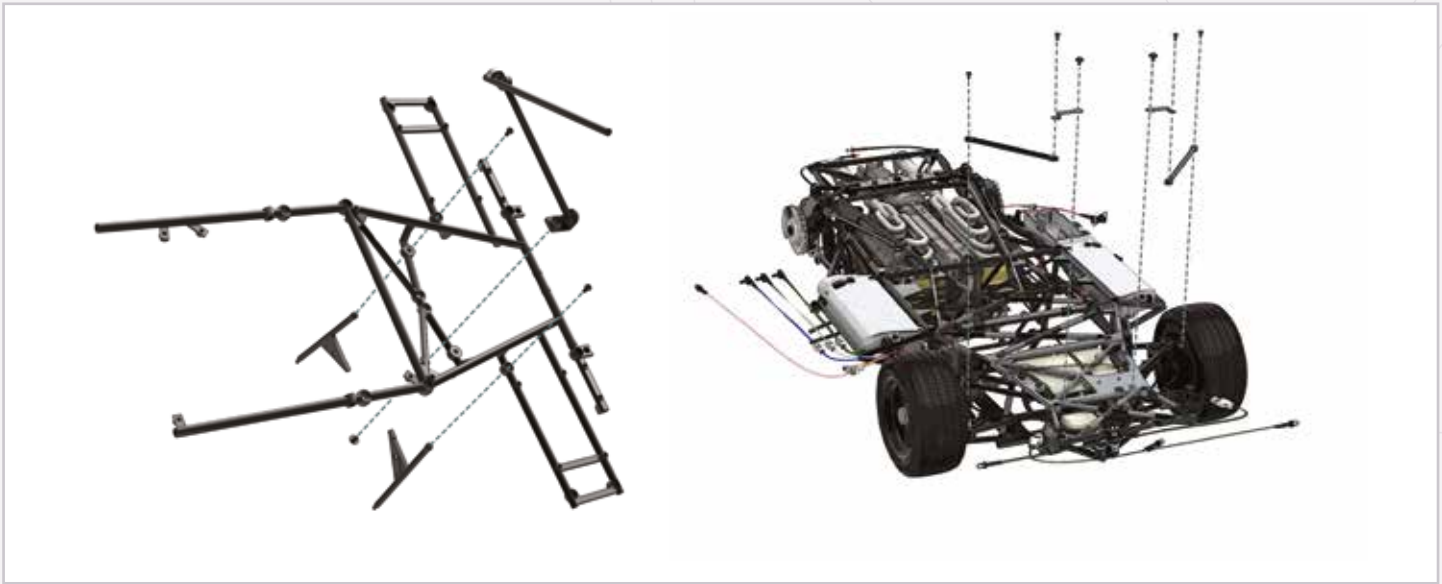
CM M2,0 x3x5mm (x3)

KM M1,7 x3x5mm (x2)



Preassembly of upper frame. Front lower suspension struts installation

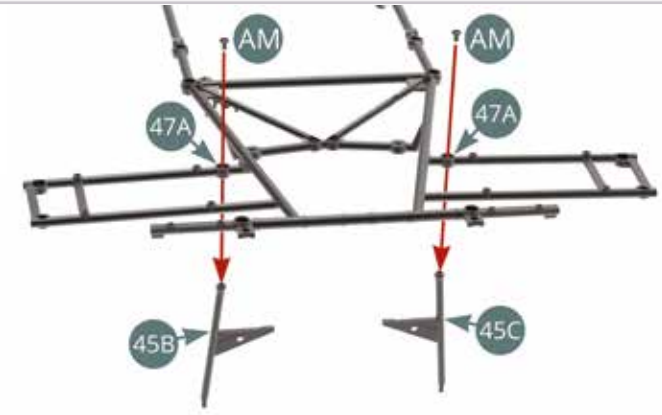
Assembly diagram



STEP 1

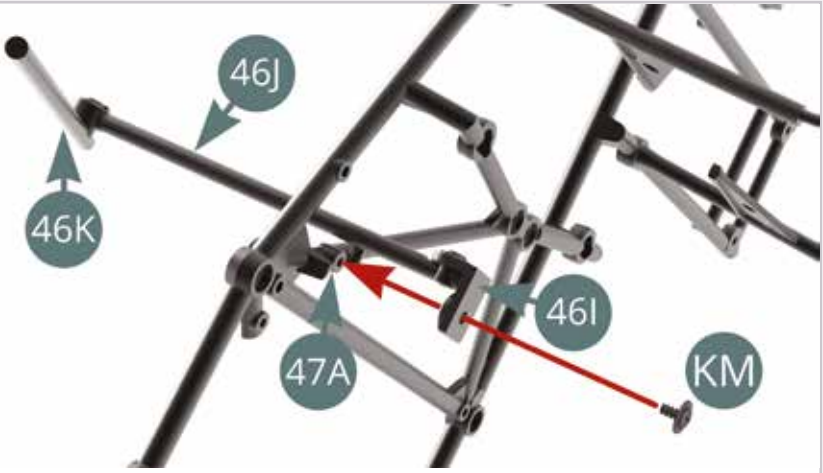
Fit 45B Left and 45C Right columns to 47A Upper frame and fix each one with AM screw (upper and lower illustrations).

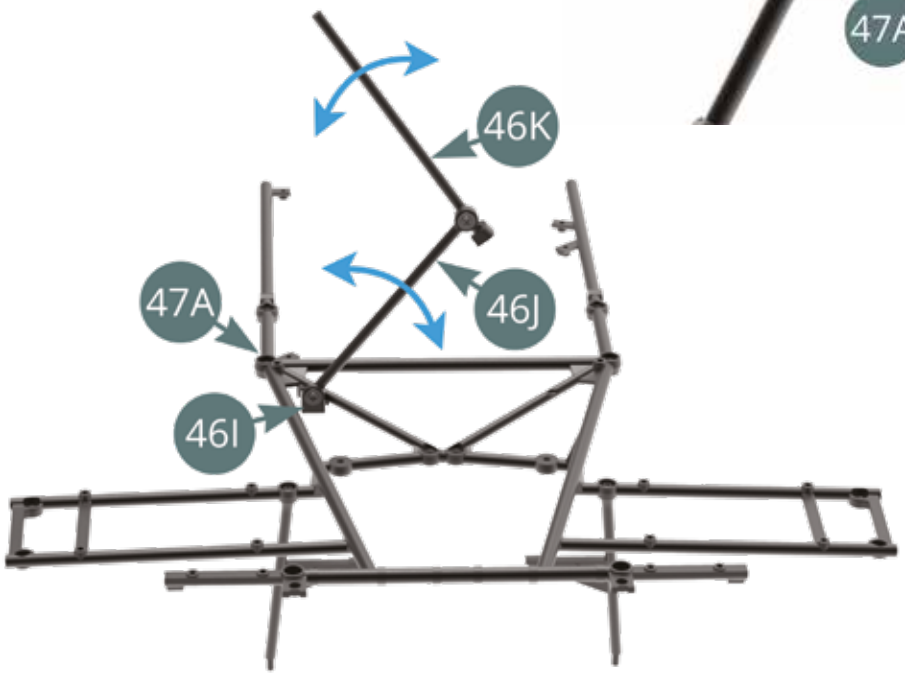




STEP 2

Fit 46K-46J Folding hood strut by its 46I Mount to 47A Upper frame and fix with KM screw.





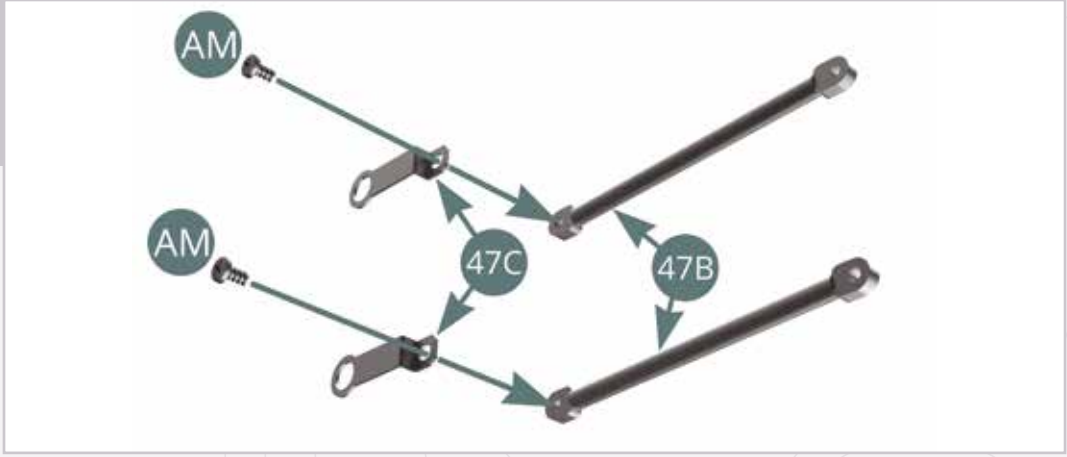
Test 46K-46J Hood strut links in folding and unfolding (blue arrows) as shown below.

Upper frame is preas-sembled



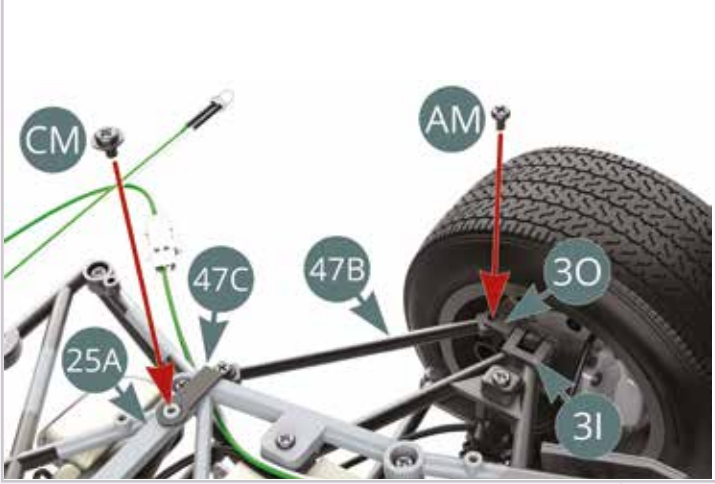
STEP 3

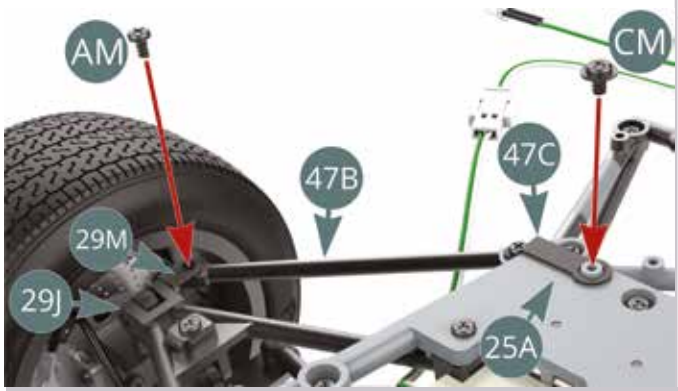
Fit two 47C Brackets to both 47B Front lower struts and fix with two AM screws.



STEP 4

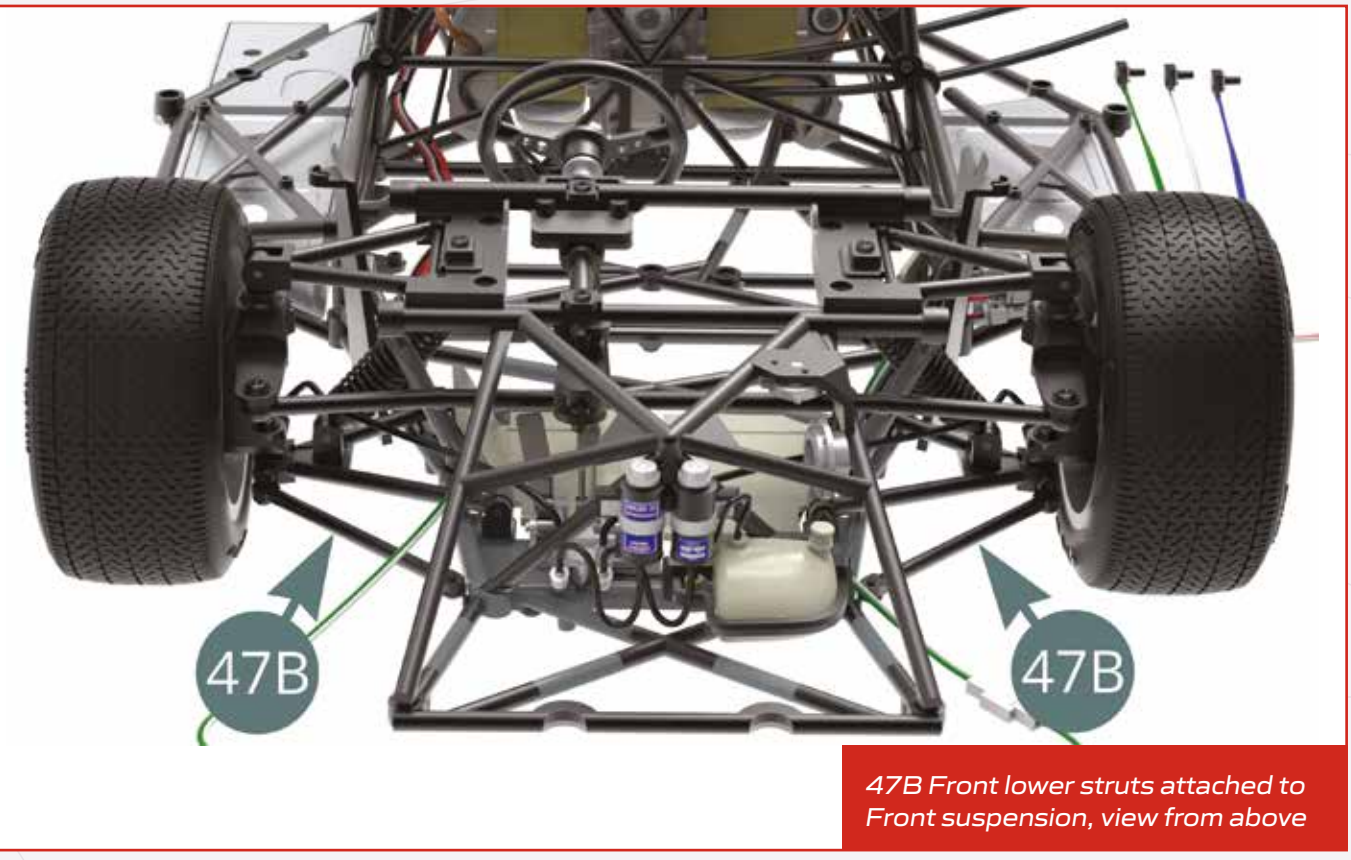
Fit 47B Front lower strut by its free and to 30 Bracket and its other end 47C Bracket to 25A Chas-sis frame, fixing with AM and CM screws respec-tively (Left under side).



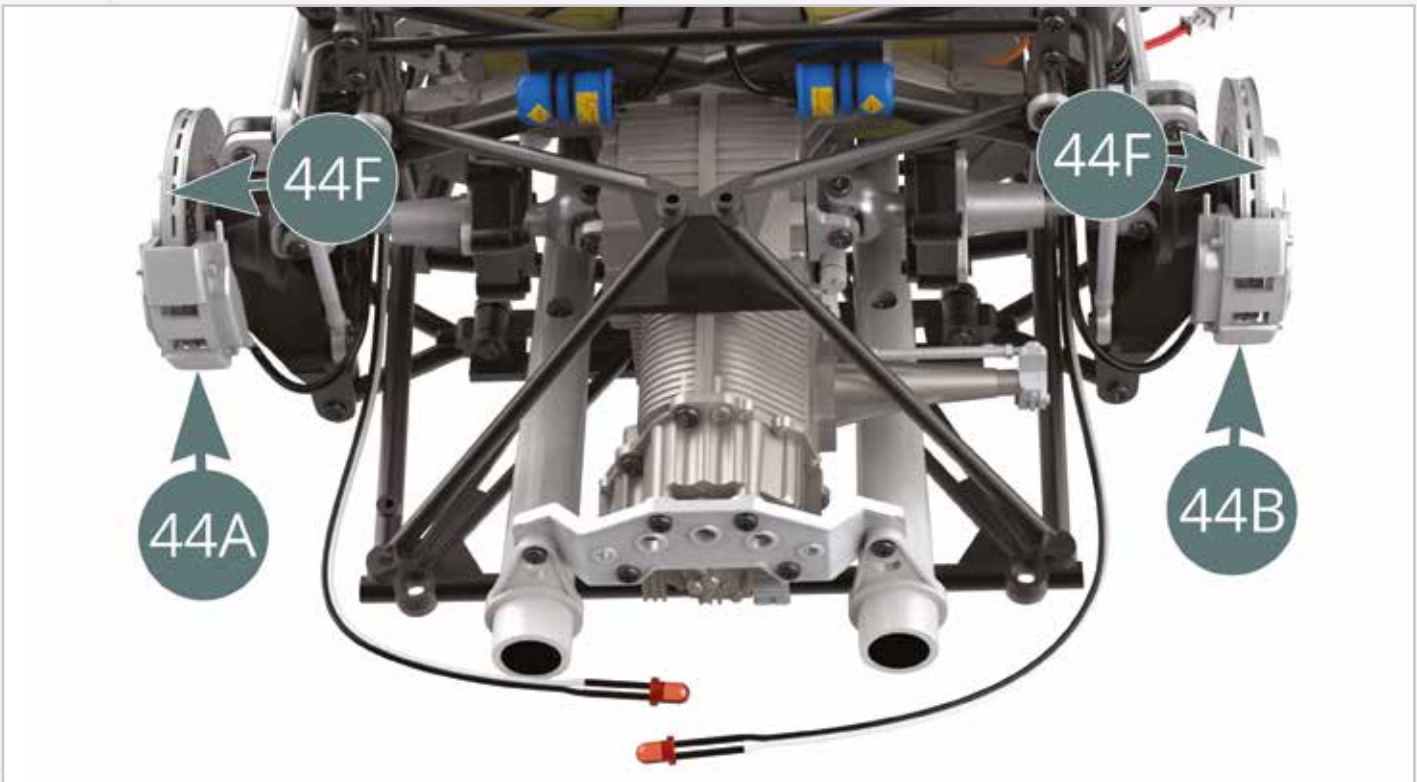


Fit 47B Front lower strut by its free and to 29M Bracket and its other end 47C Bracket to 25A Chassis frame, fixing with AM and CM screws respectively (Right under side).

STEP 5

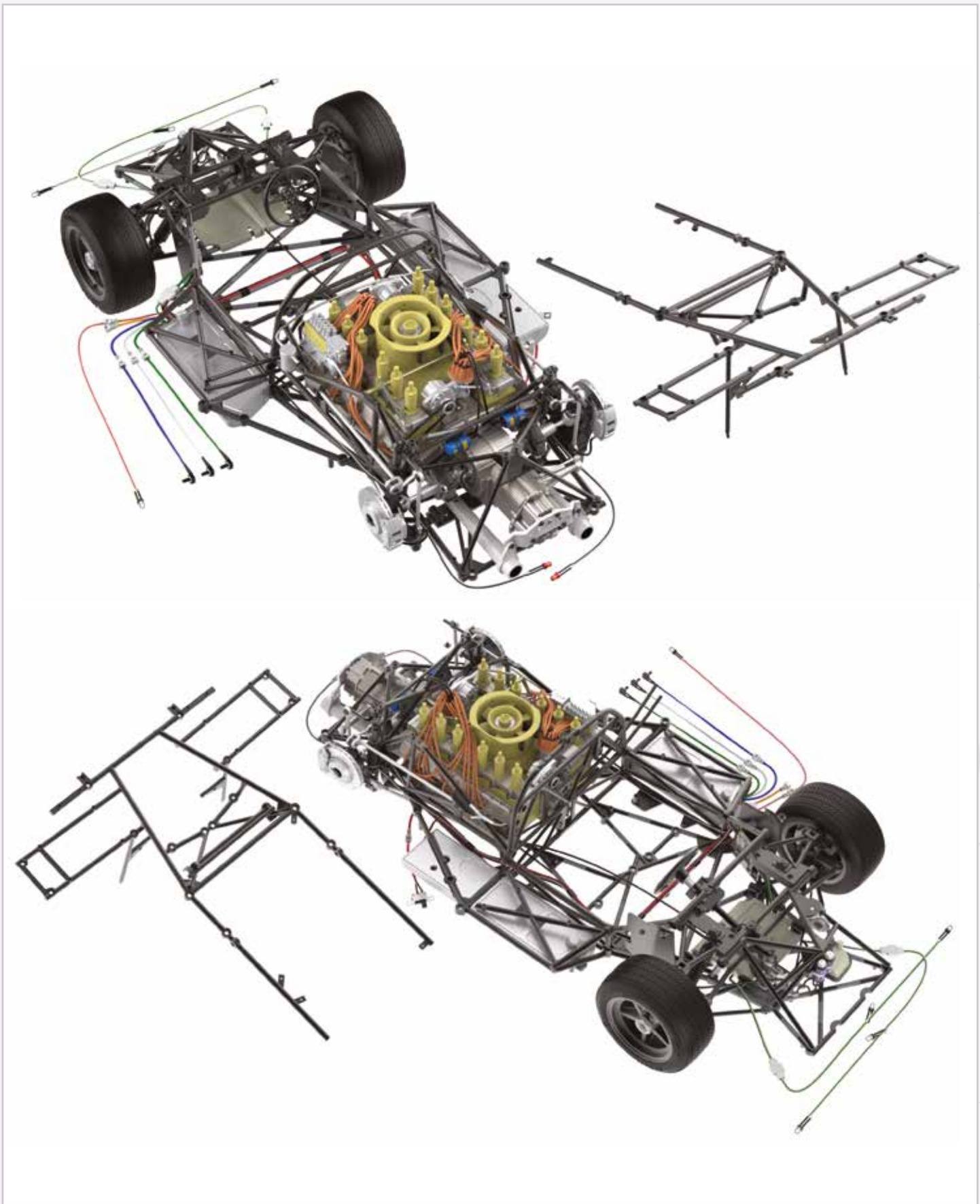


47B Front lower struts attached to Front suspension, view from above



Please note that here and until rear wheels attachment stage, 44F Brake disks are shown being put inside 44A Left and 44B Right calipers only for visual information. Please keep both 44F Brake disks stowed aside until rear wheels attachment.

General view



Parts of the issue 48

48A Left rear tripod

48B Left rear lamp housing

48C Left rear lamp reflector

48D Left rear lamp lens

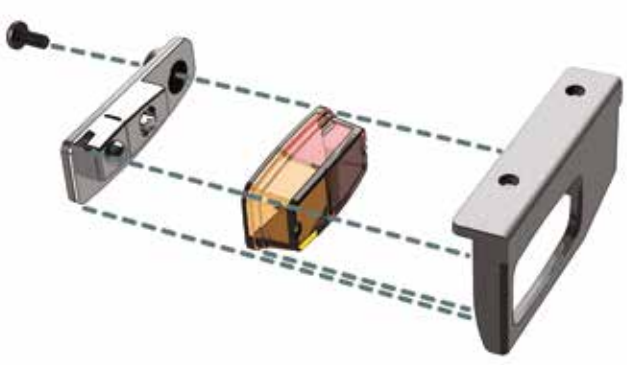
AM M1,7 x3mm (x6)

AP M1,7 x4mm (x2)



Upper frame preassembly and left rear lamp installation

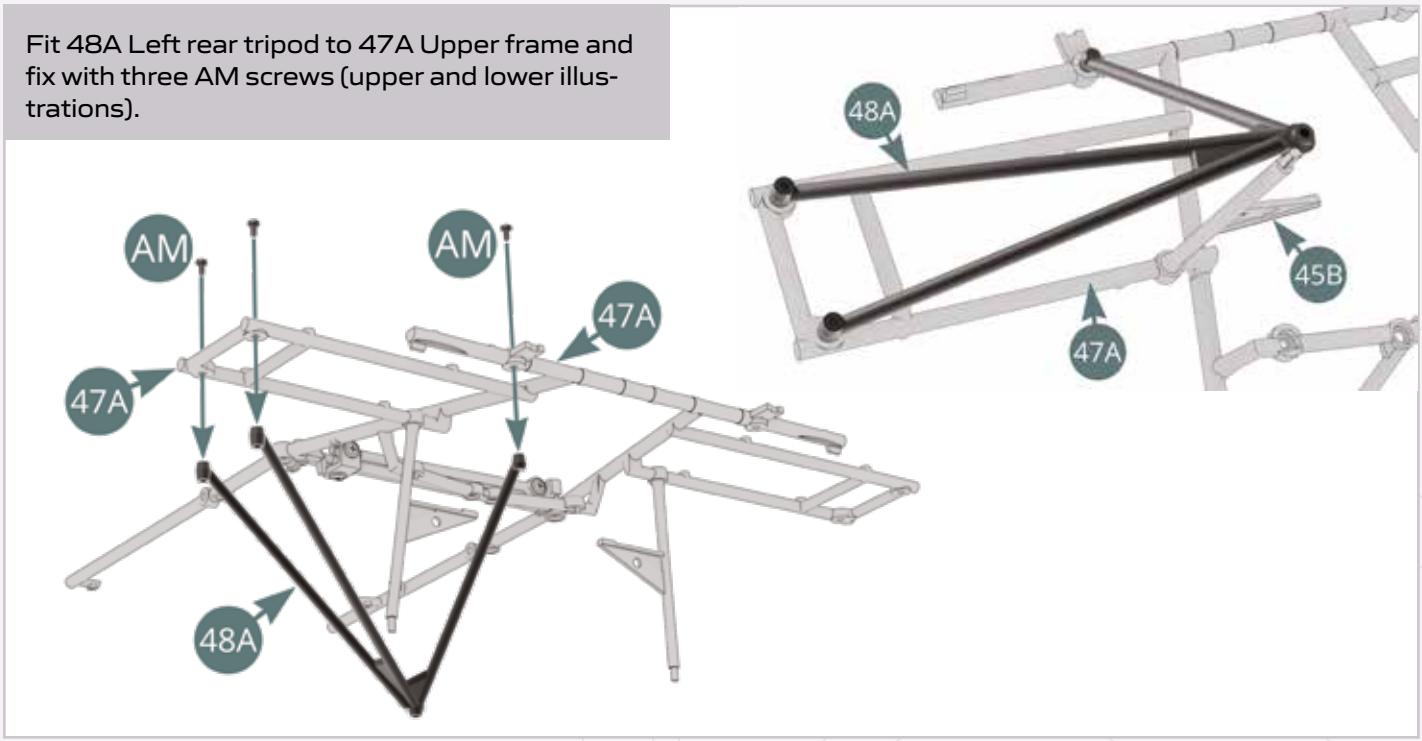
Assembly diagram





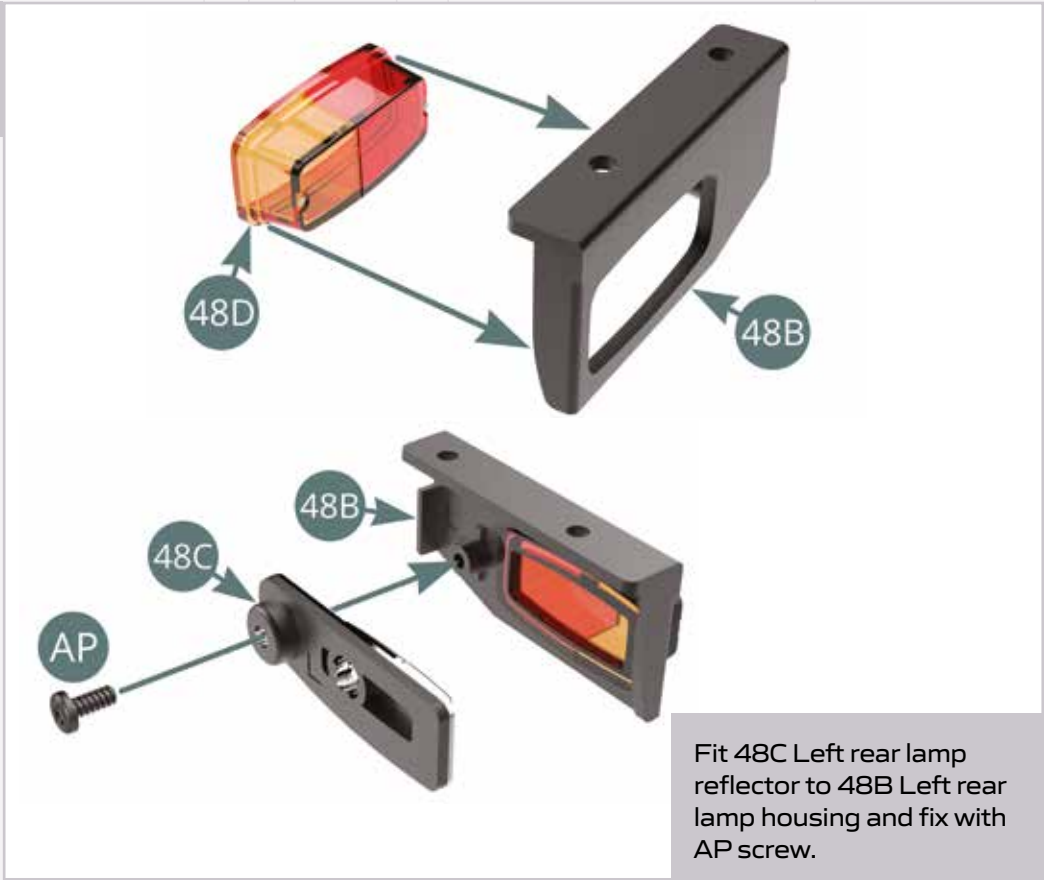
STEP 1

Fit 48A Left rear tripod to 47A Upper frame and fix with three AM screws (upper and lower illustrations).



STEP 2

Fit 48D Left rear lamp lens into 48B Left rear lamp housing.

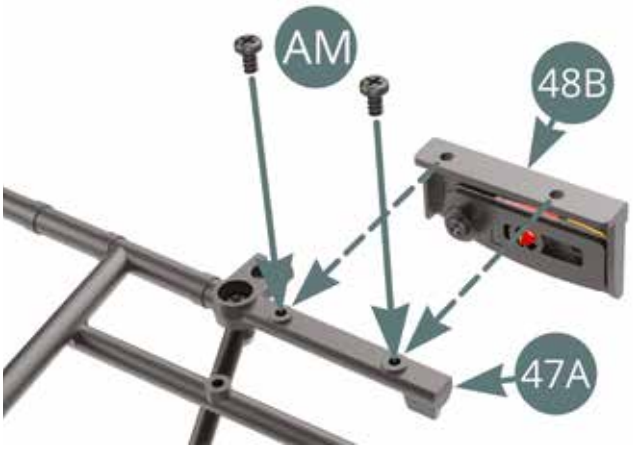


Fit 48C Left rear lamp reflector to 48B Left rear lamp housing and fix with AP screw.

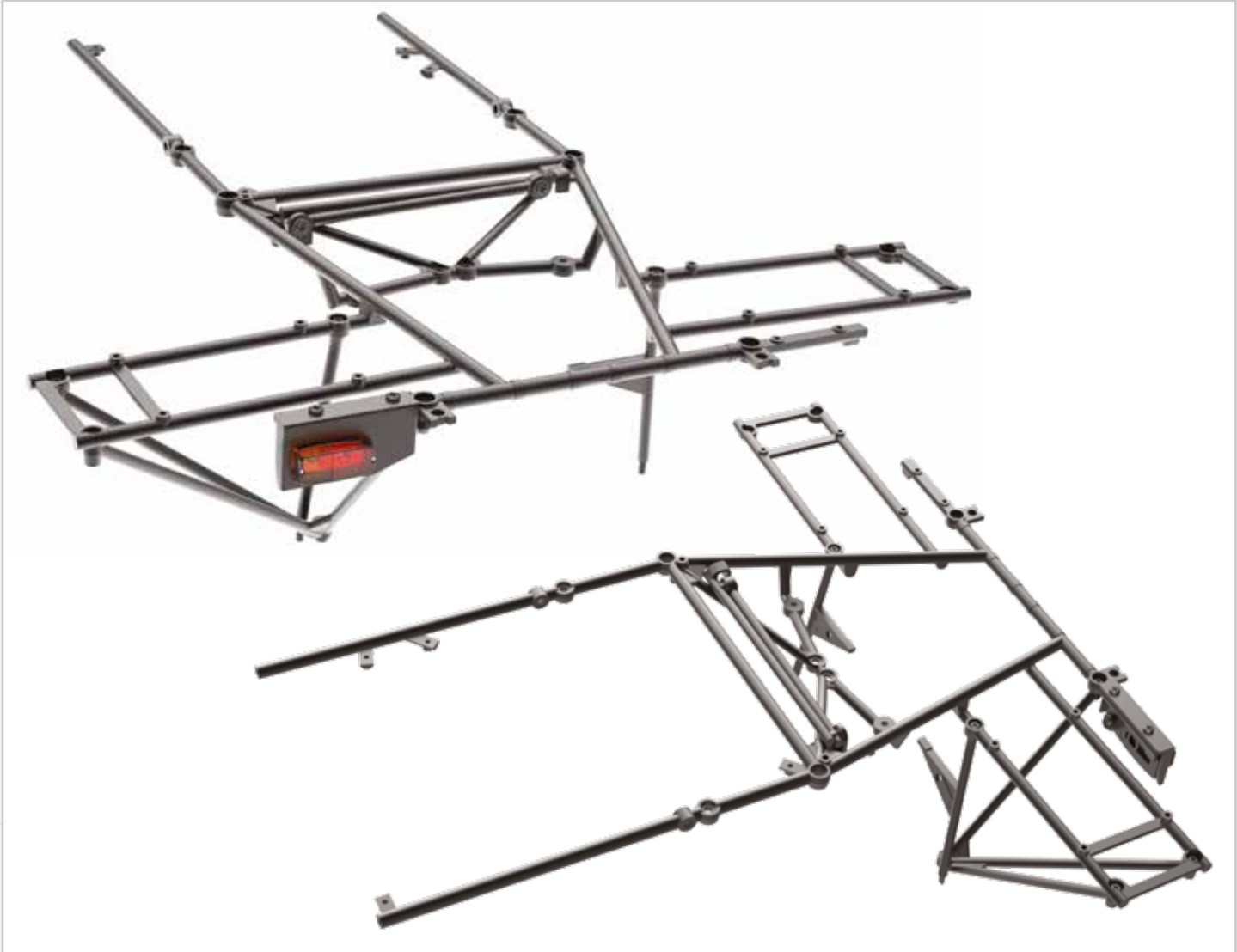
STEP 4

Fit 48B Left rear lamp housing to 47A Upper frame left rear end and fix with two AM screws (upper and lower illustrations).



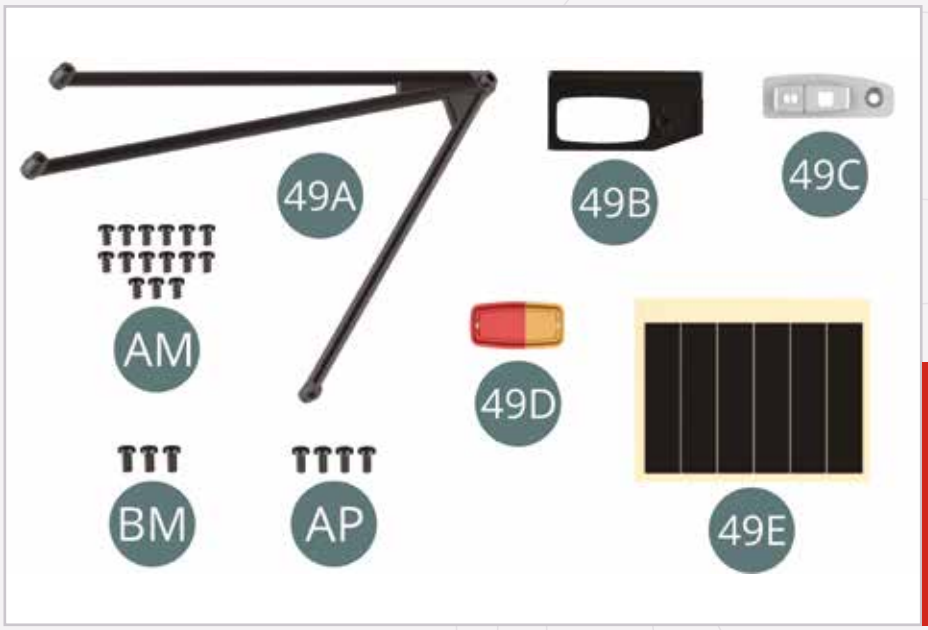


GENERAL VIEW



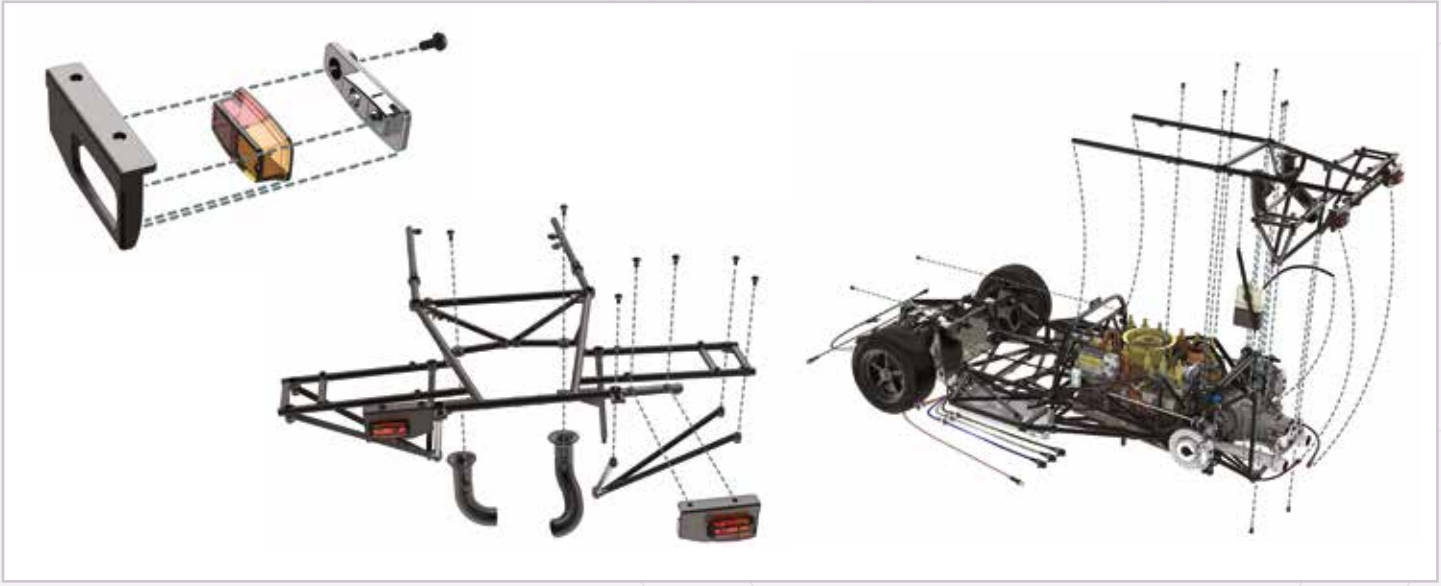
Parts of the issue 49

49A Right rear tripod
49B Right rear lamp housing
49C Right rear lamp reflector
49D Right rear lamp lens
49E Tape (x6)
AM M1,7 x3mm (x15)
AP M1,7 x4mm (x4)
BM M2,0 x4mm (x3)



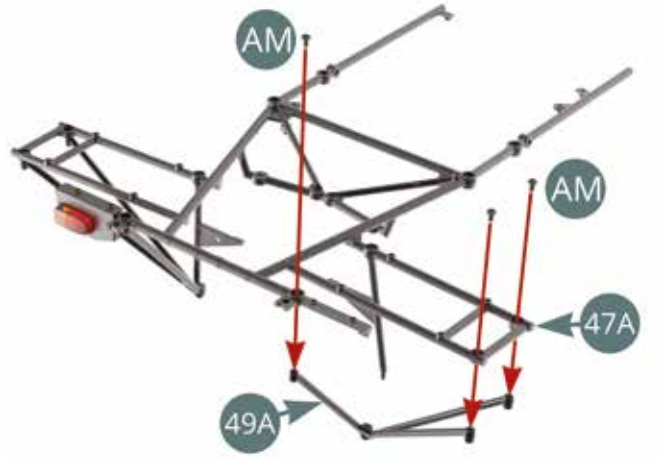
Upper frame preassembly with right rear lamp, transmission cooling ducts and engine oil catch tank installation.
Upper frame installation on chassis

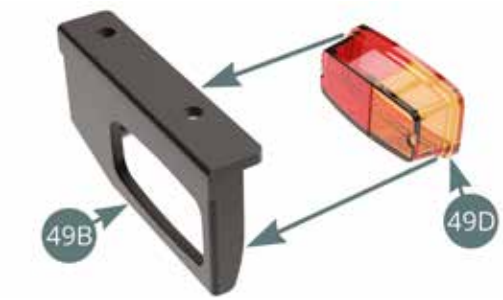
Assembly diagram



STEP 1

Fit 49A Right rear tripod to 47A Upper frame and fix with three AM screws.



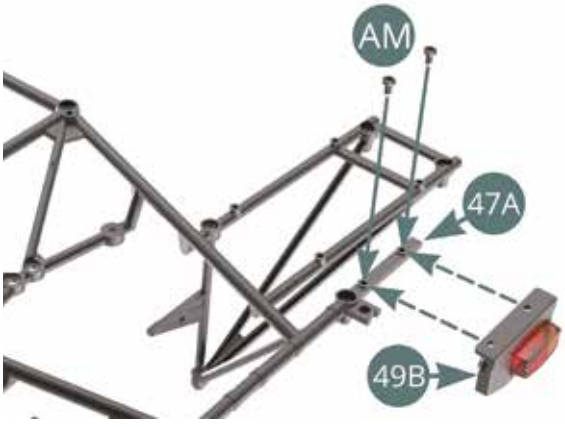


Fit 49D Right rear lamp lens into 49B Right rear lamp housing.

STEP 2

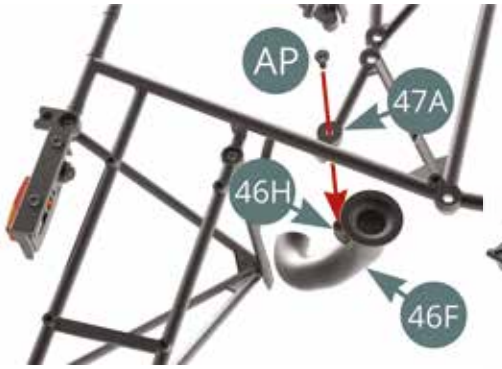
Fit 49C Right rear lamp reflector to 49B Right rear lamp housing and fix with AP screw.
Fit 49B Right rear lamp housing to 47A Upper frame right rear end and fix with two AM screws.

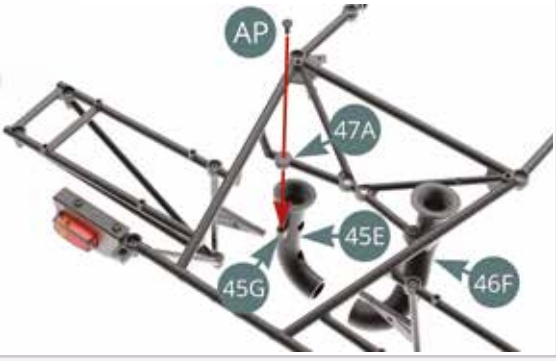




STEP 3

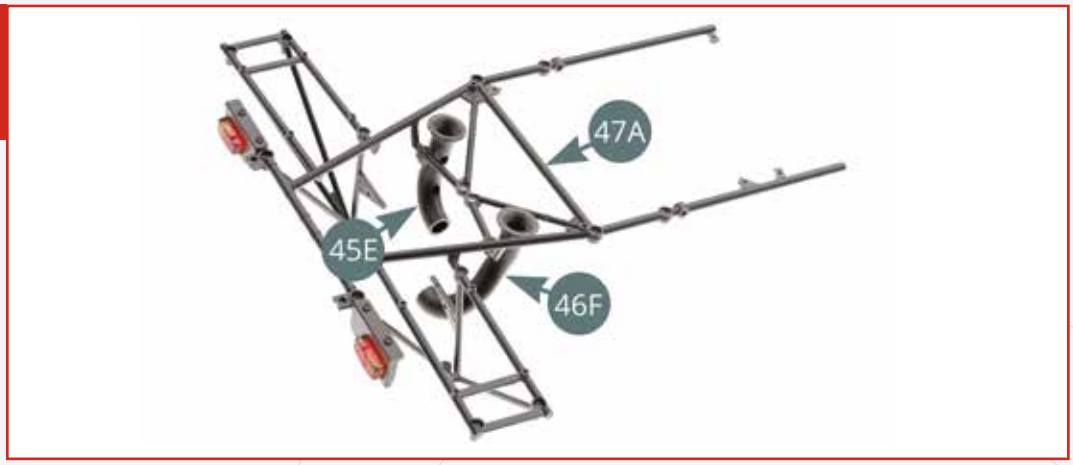
Fit 46F Transmission cooling duct to the right side of 47A Upper frame and fix with AP screw.
Fit 45E Transmission cooling duct to the left side of 47A Upper frame and fix with AP screw.





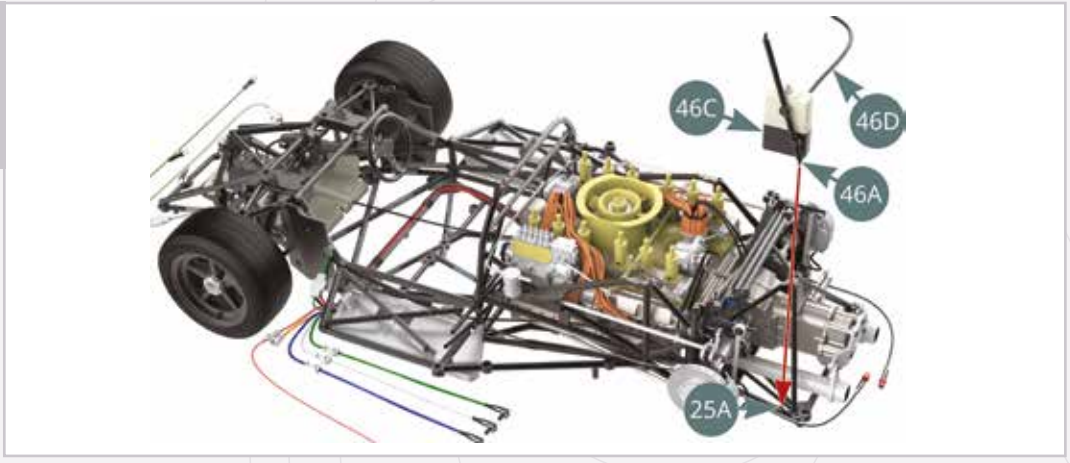
STEP 4

47A Upper frame is ready for installation on Chassis



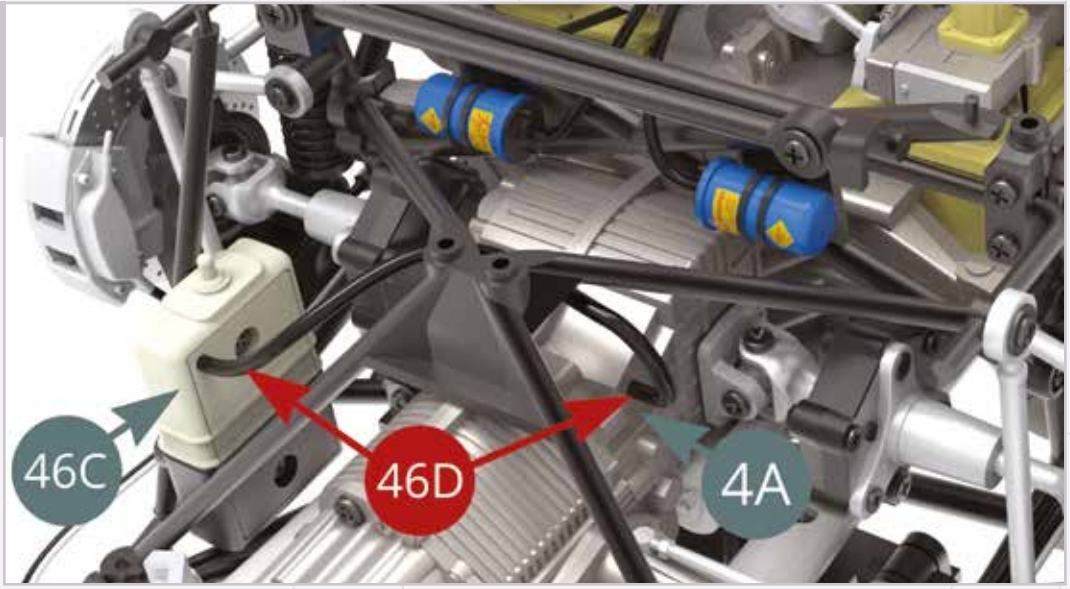
STEP 5

Fit 46C Engine oil catch tank by its 46A Strut to 25A Chassis lower frame.



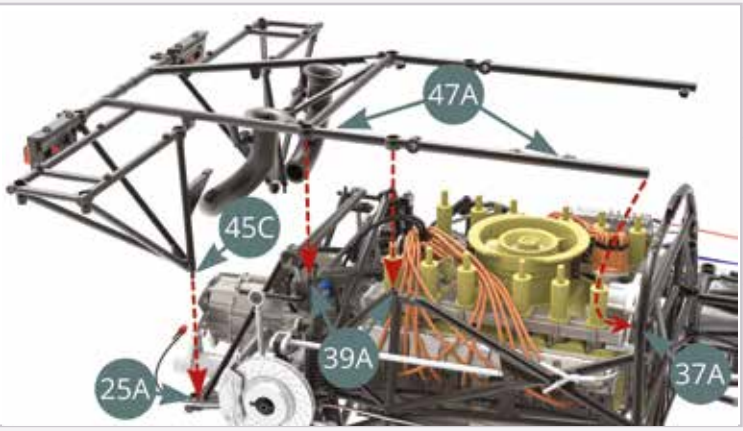
STEP 6

Fit 46D Engine oil catch hose to 4A Gearbox right side casing pin.



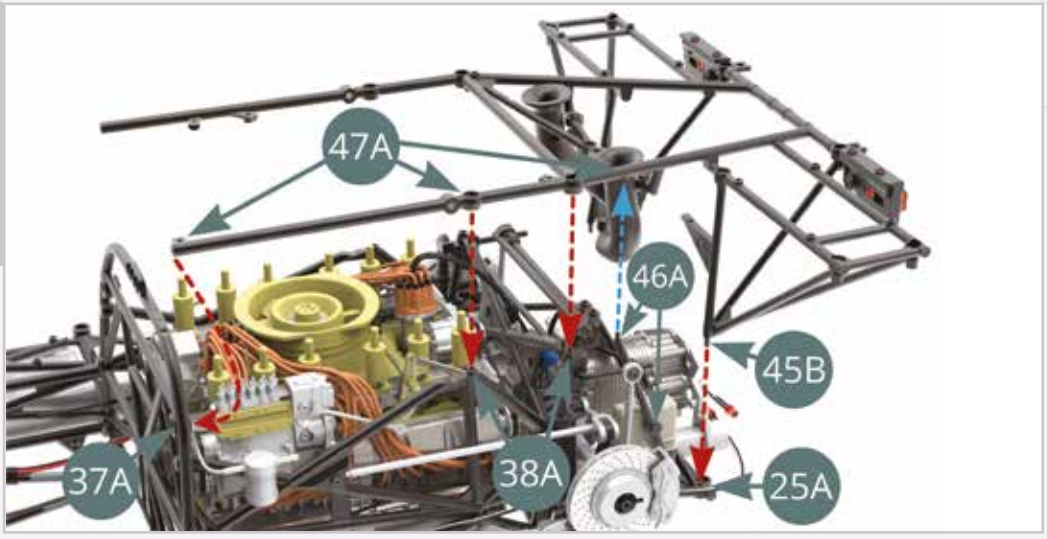
STEP 7

Align and fit (pin and socket connections) 47A Upper frame and 45C Right column to 25A Chassis lower frame, 39A Right side frame and 37A Cockpit partition frame.



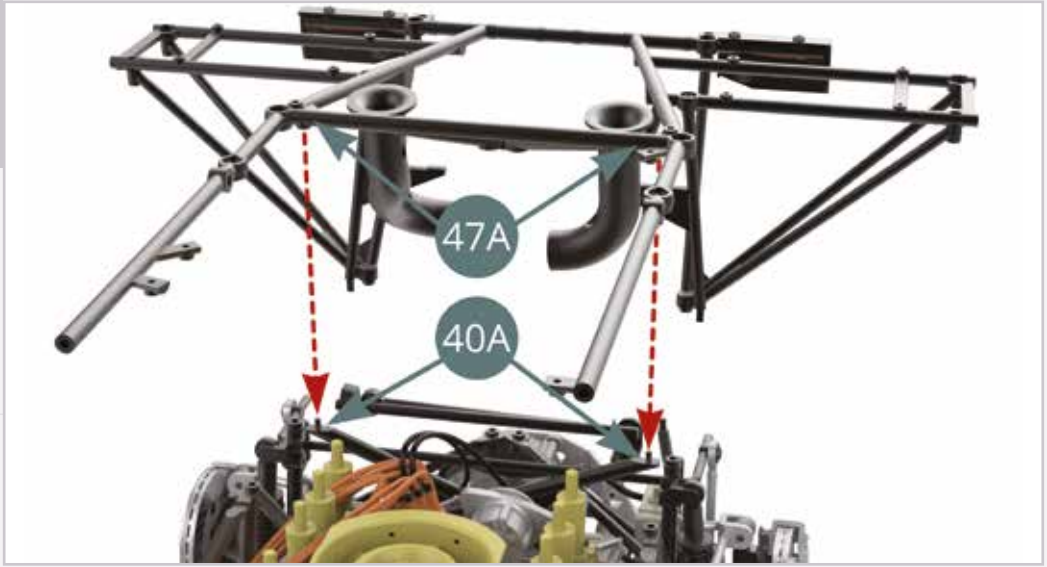
STEP 8

Align and fit (pin and socket connections) 47A Upper frame and 45B Left column to 25A Chassis lower frame, 38A Left side frame and 37A Cockpit partition frame.



STEP 9

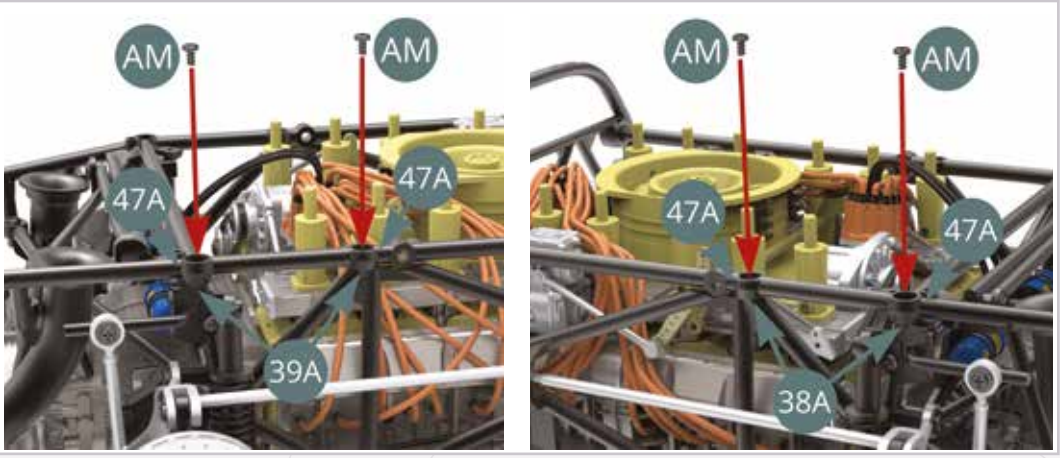
Align and fit (pin and socket connections) 47A Upper frame to 40A X-Frame.



STEP 10

Fix 47A Upper frame to 39A Right side frame with two AM screws.

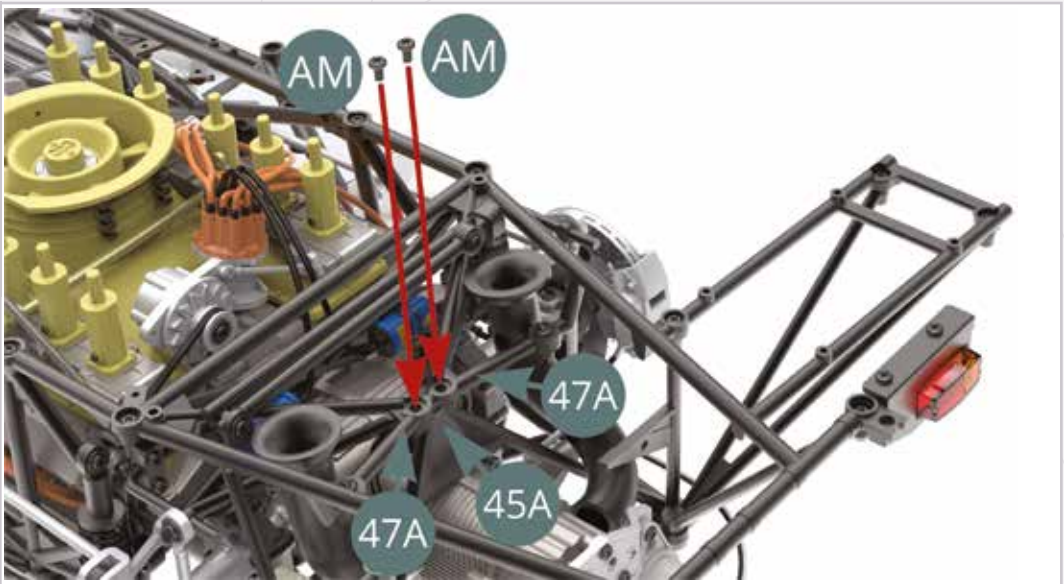
Fix 47A Upper frame to 38A Left side frame with two AM screws.

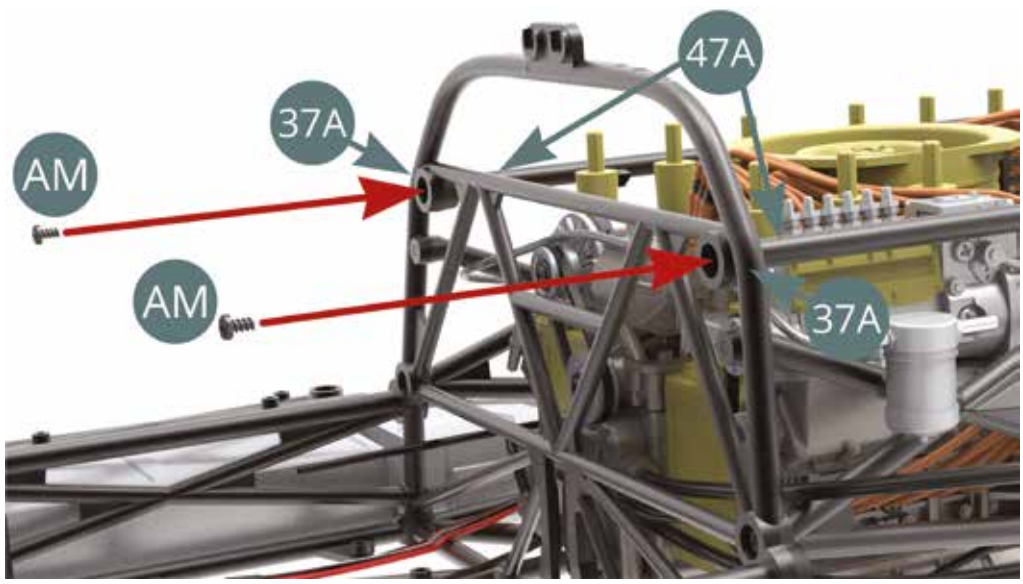


STEP 11

Fix 47A Upper frame to 45A Support frame with two AM screws.

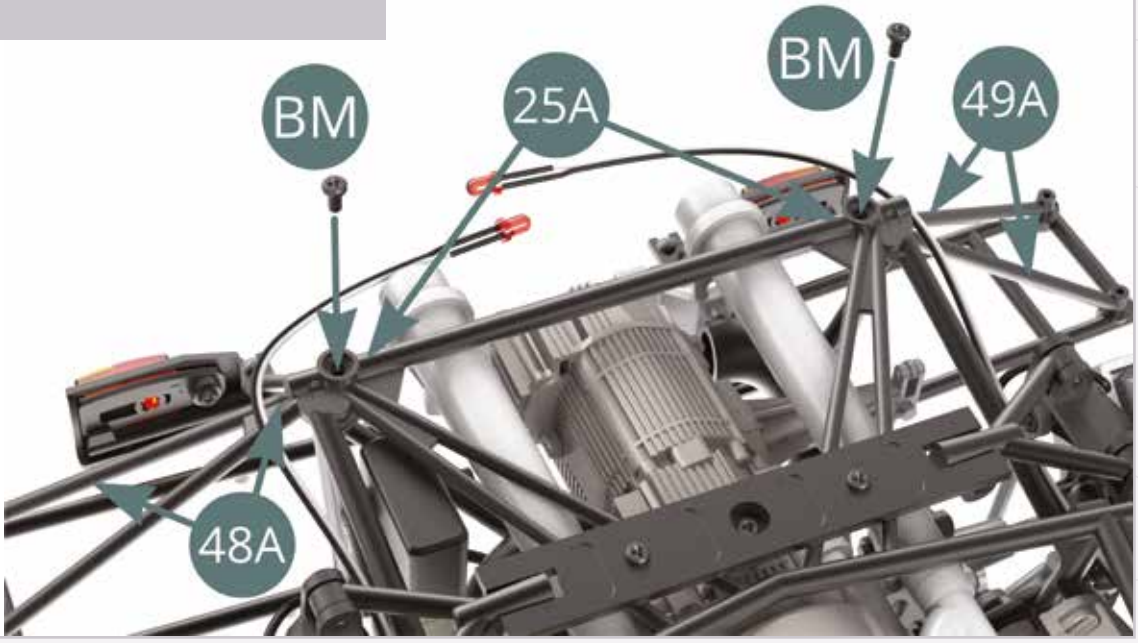
Fix 47A Upper frame to 37A Cockpit partition frame with two AM screws.





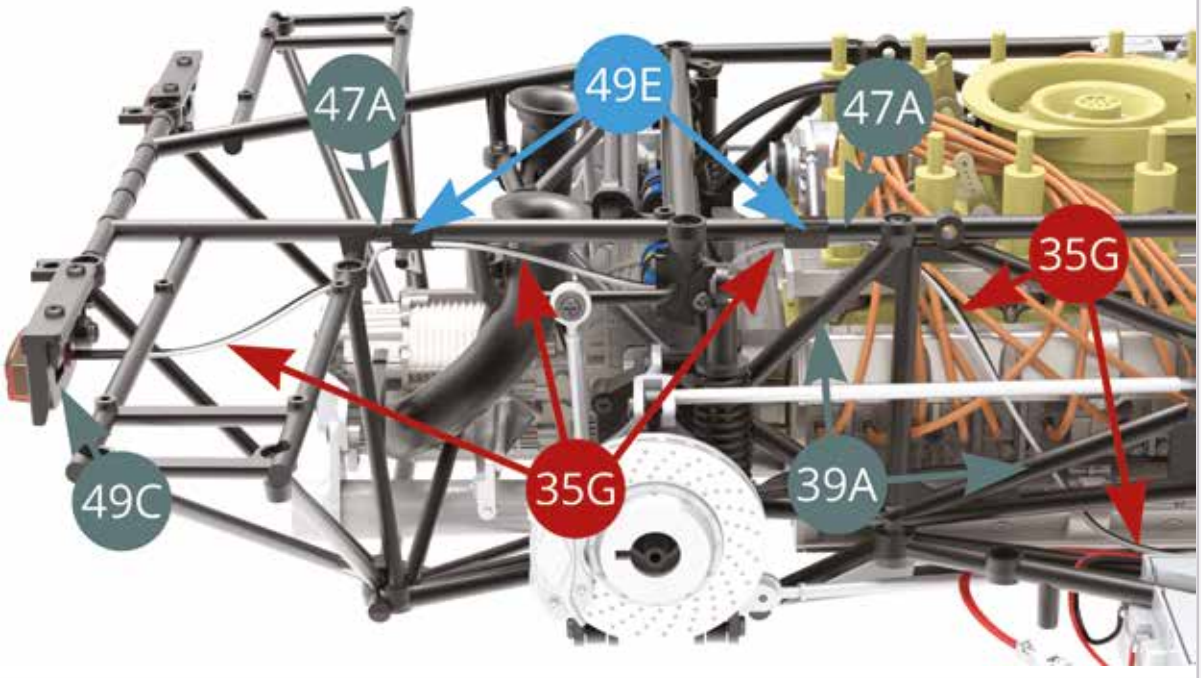
STEP 12

Fix 25A Chassis lower frame rear ends to 48A Left and 49A Right rear tripods with two BM screws.



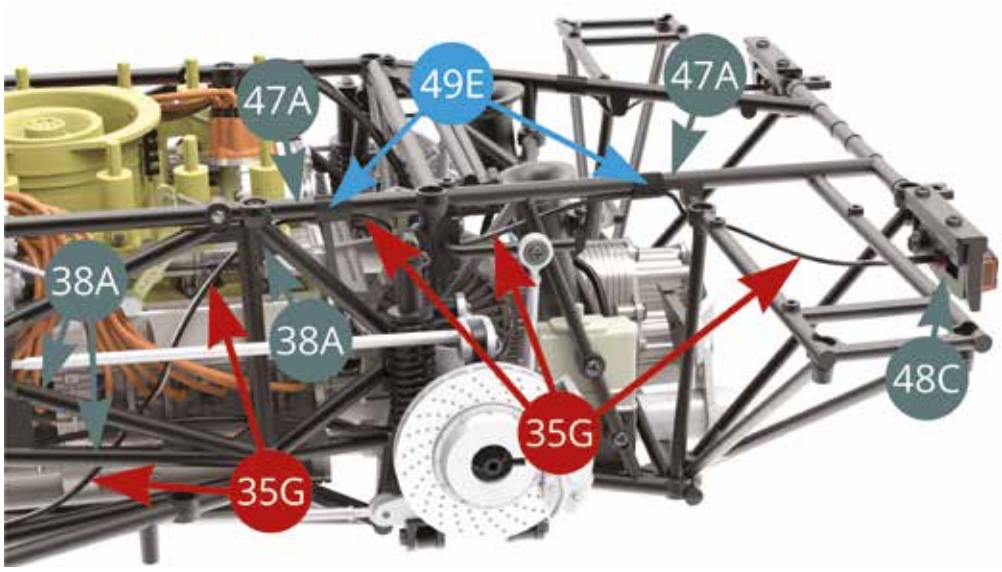
STEP 13

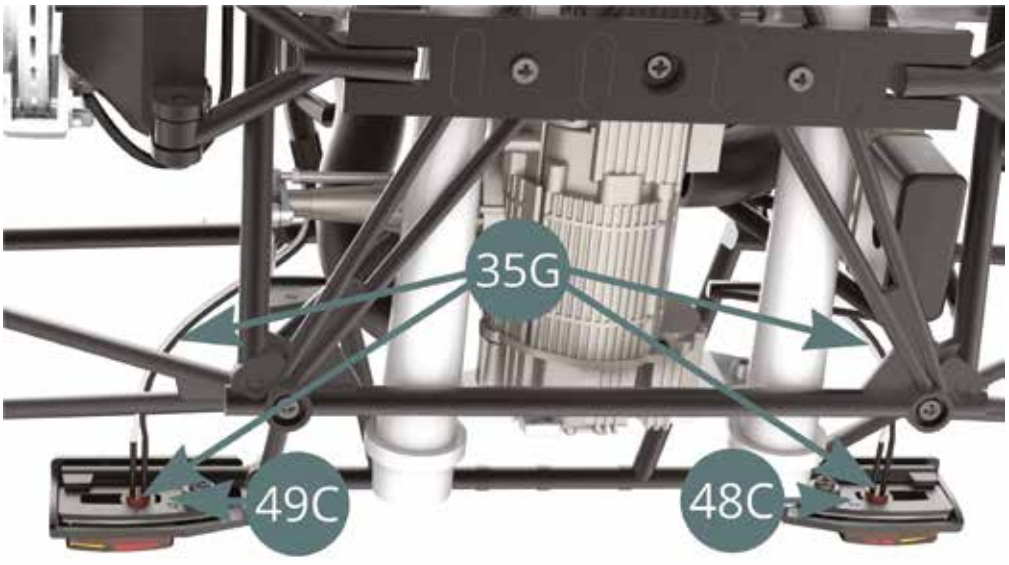
Pass 35G Rear light LED cable (black-white) behind 39A Right side frame, tying it with two 49E Tapes to upper right bar of 47A Upper frame, and fitting into 49C Right rear lamp reflector.



STEP 14

Pass 35G Rear light LED cable (black-white) behind 38A Left side frame, tying it with two 49E Tapes to upper left bar of 47A Upper frame, and fitting into 48C Left rear lamp reflector.

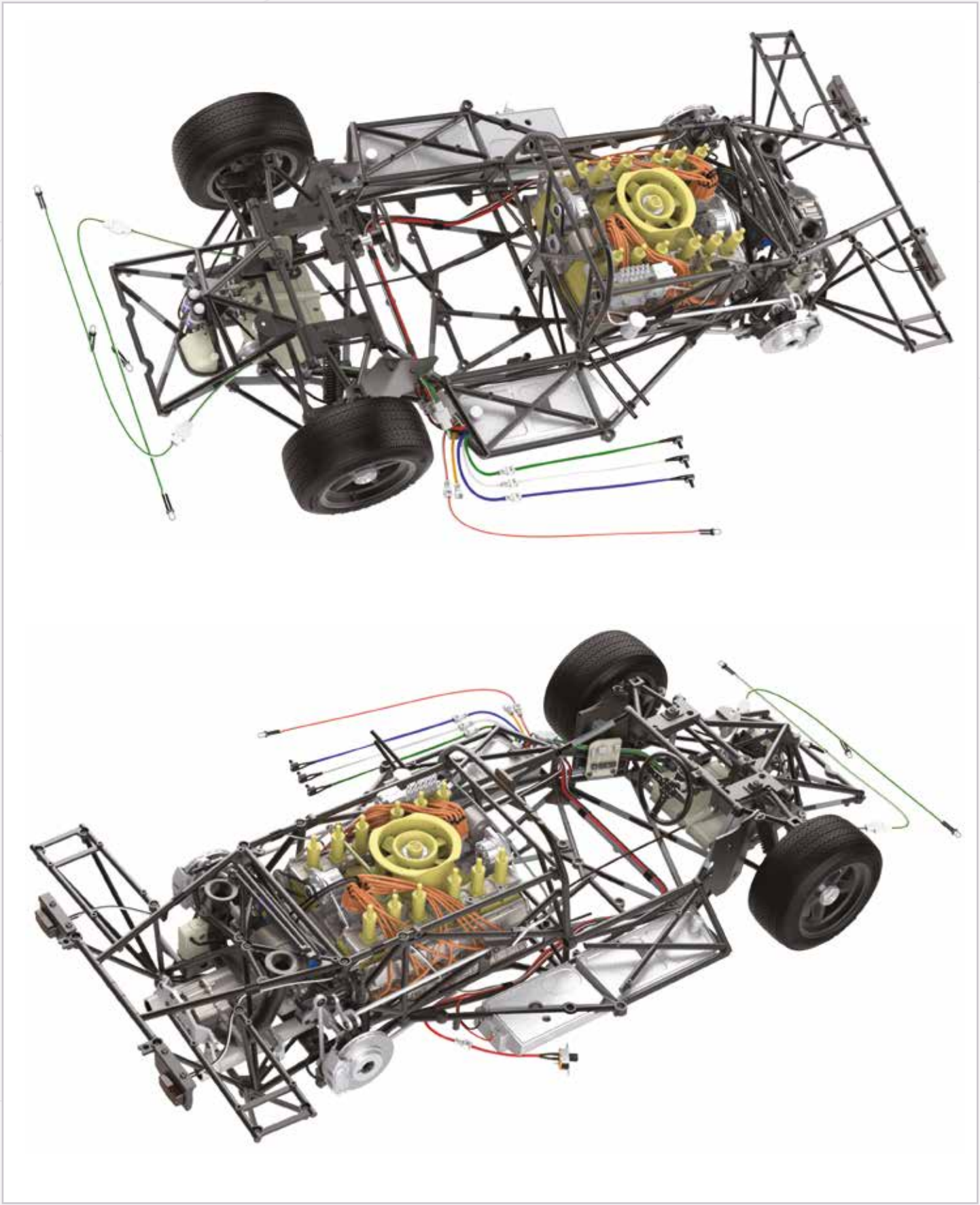




Upper frame installation on Chassis is completed



General view

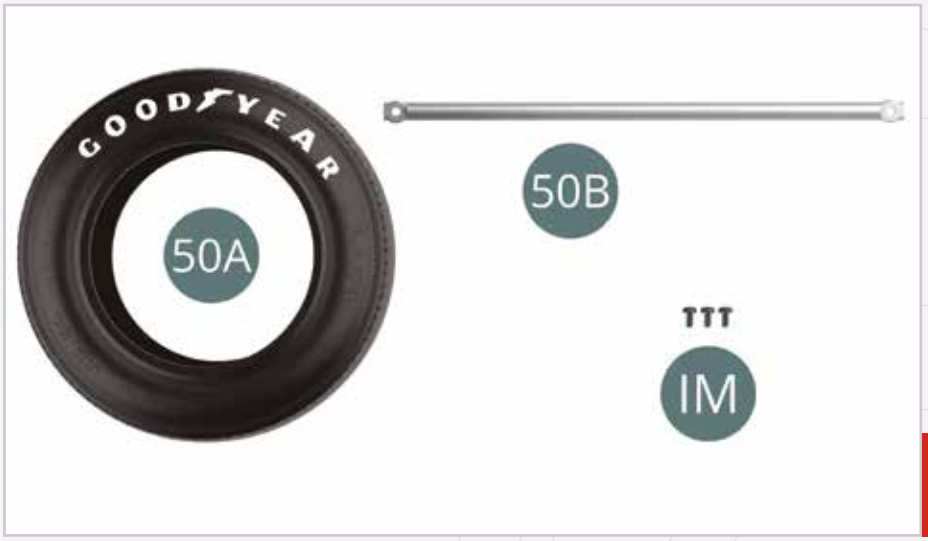


Parts of the issue 50

50A Left rear tire

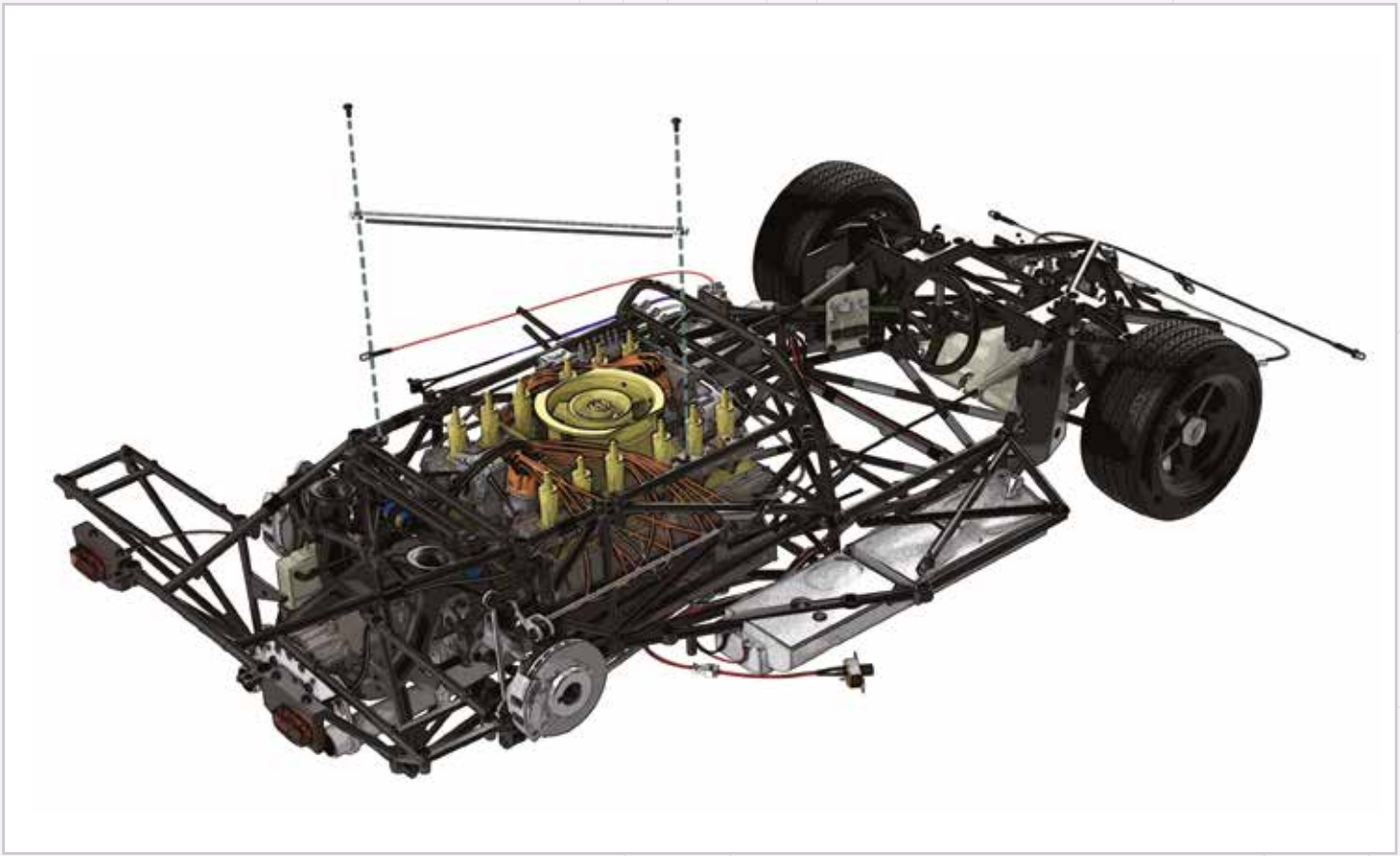
50B Removable brace

IM M1,7 x3,5mm (x3)



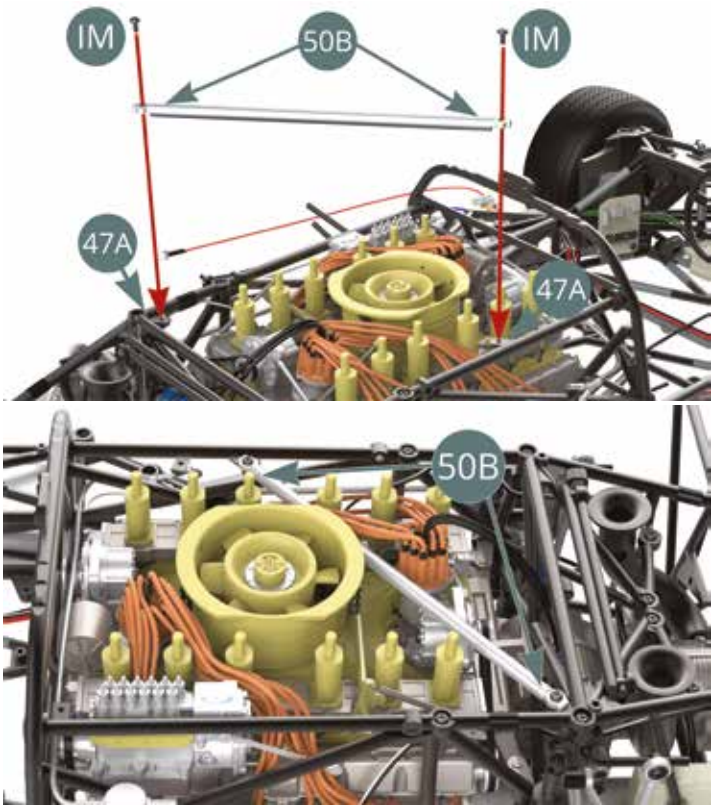
Removable brace fitting on upper frame

Assembly diagram

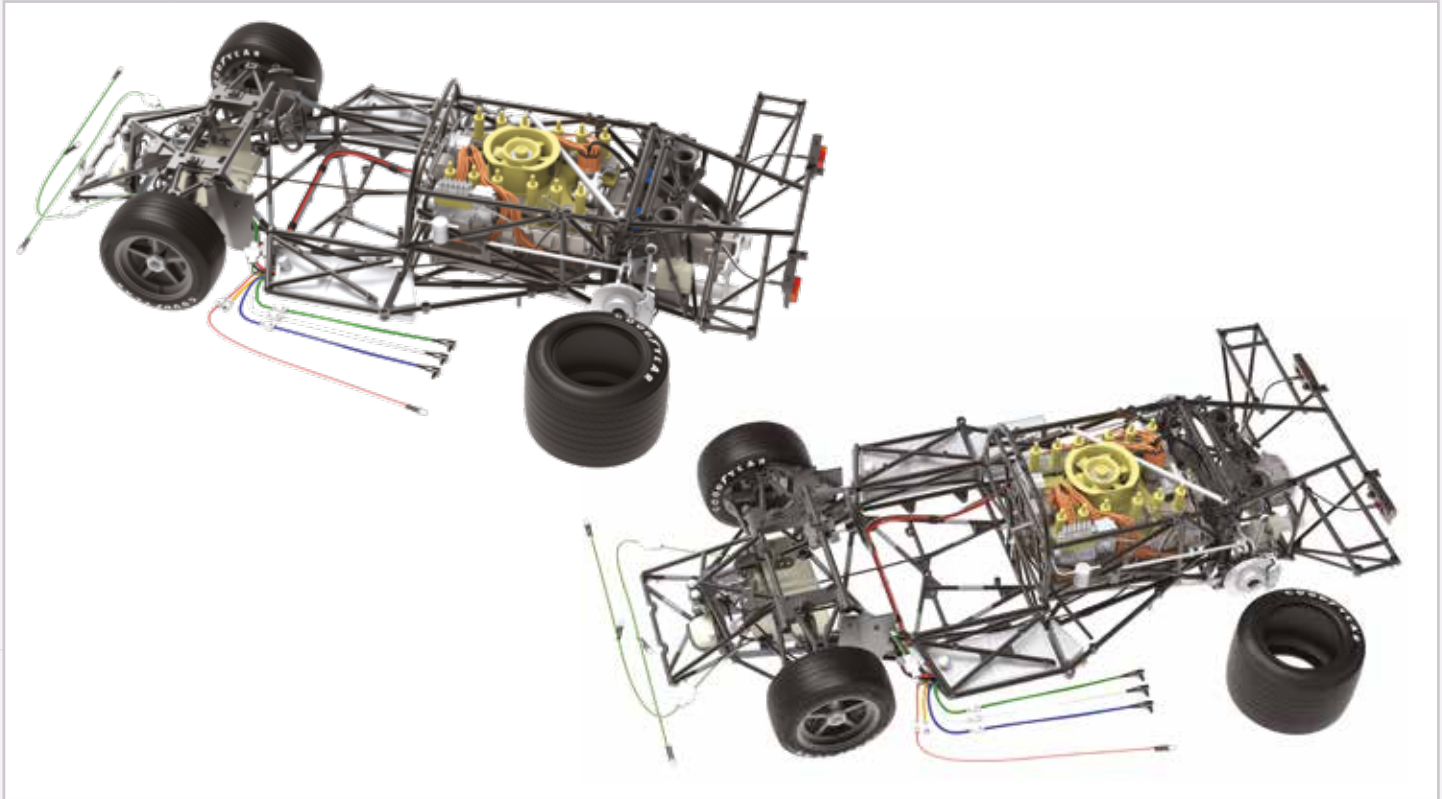


STEP 1

Fit 50B Removable brace to 47A Upper frame brackets and fix with two IM screws (upper and lower illustrations).



GENERAL VIEW



Parts of the issue 51

51A Outer rear wheel rim

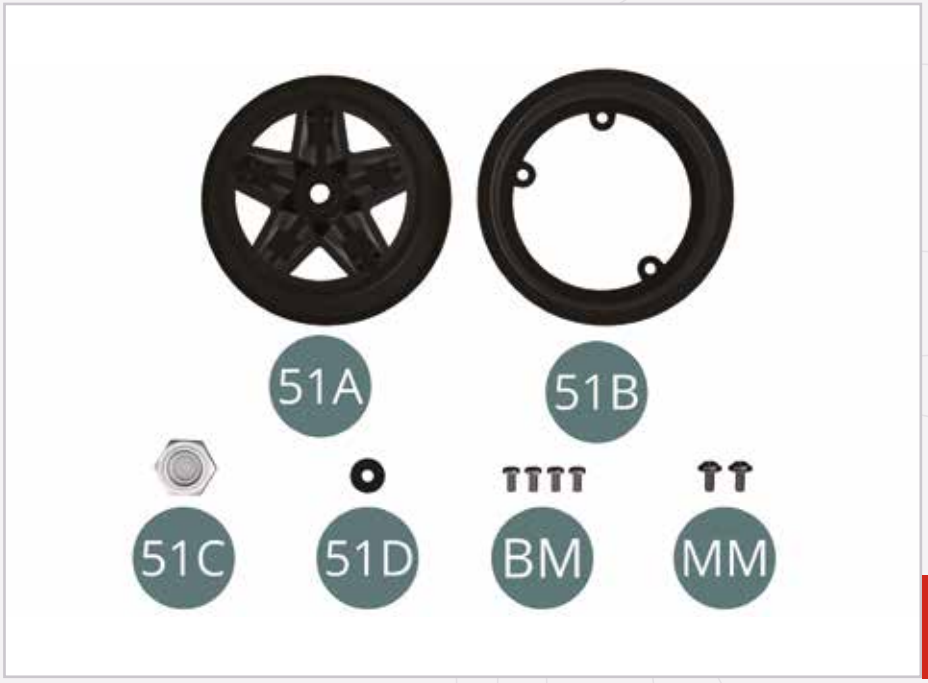
51B Inner rear wheel rim

51C Hub nut

51D Washer

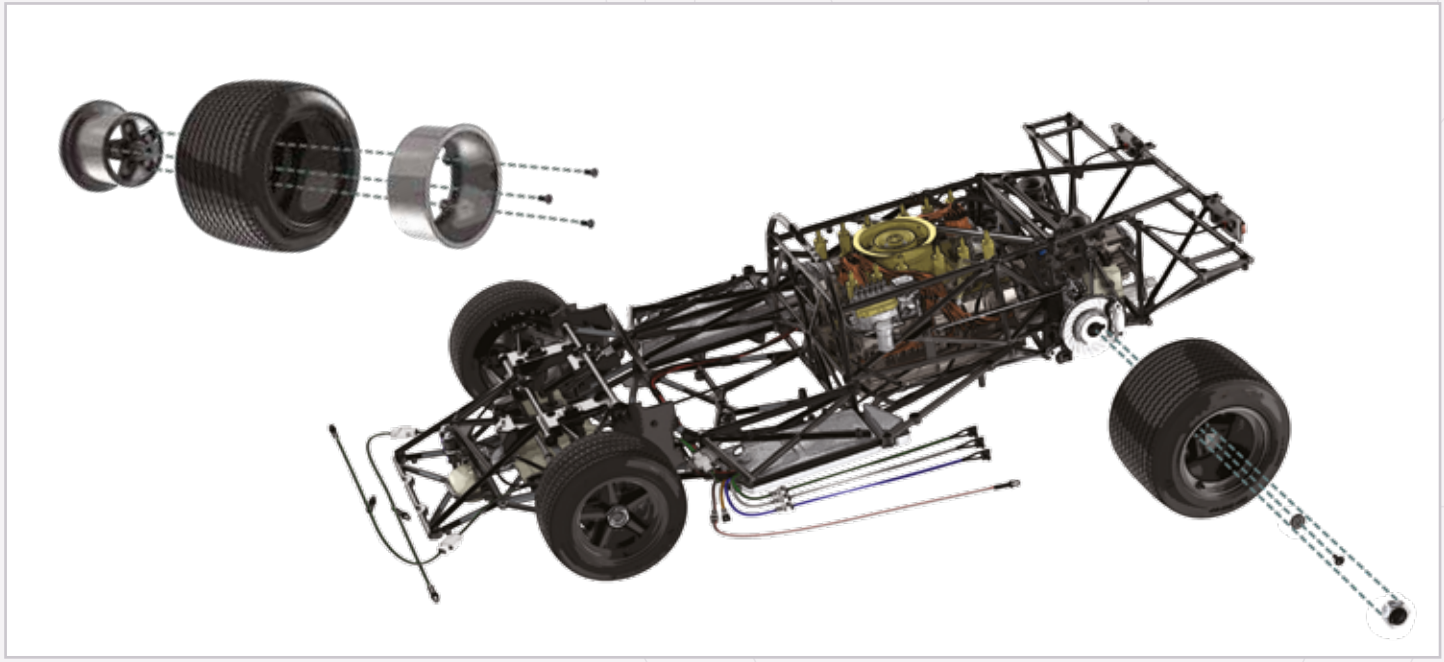
BM M2,0 x4mm (x4)

MM M2,0 x5x5mm (x2)



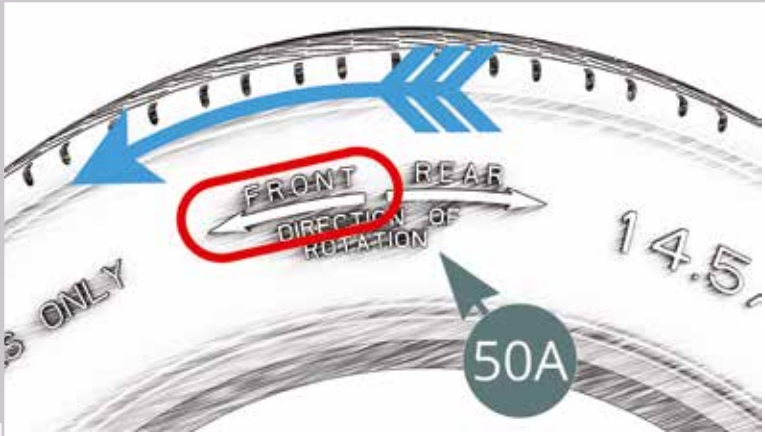
Rear left wheel assembly and mounting on chassis

Assembly diagram



STEP 1

Identify wheel rotation direction Front arrow marking on 50A Tire. Blue arrow points Left Rear Wheel rotation. To fit 51A Outer rear wheel rim into 50A Tire (from its deeper recess side, green arrows), put 50A Tire in hot water for a minute or more to get it softened.





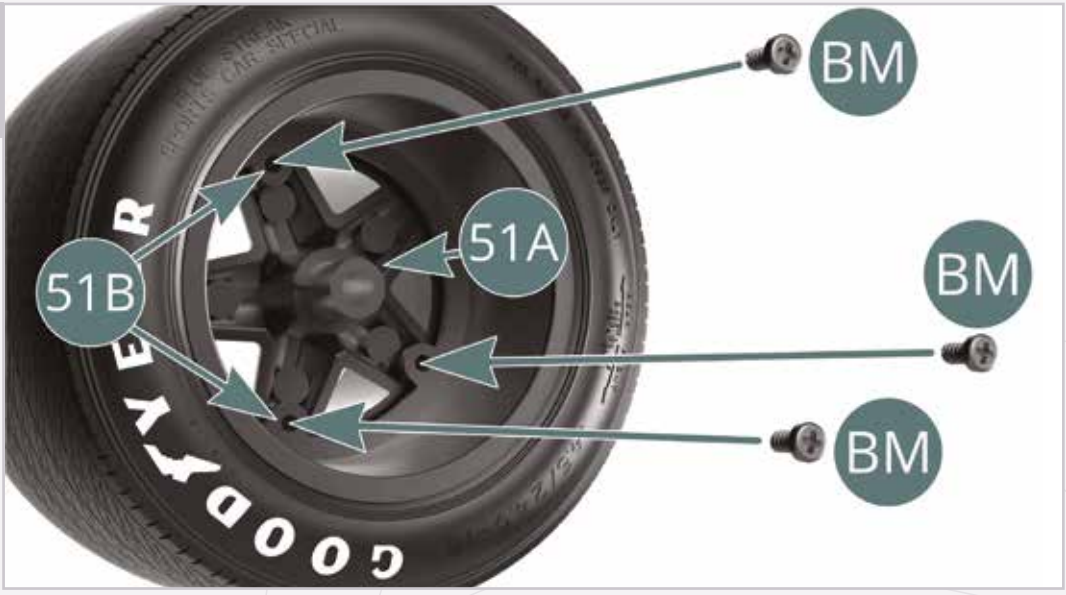
STEP 2

Fit 51B Inner rear wheel rim from the other side into 50A Tire, aligning it at the same time to 51A Outer wheel rim three connection points.



STEP 3

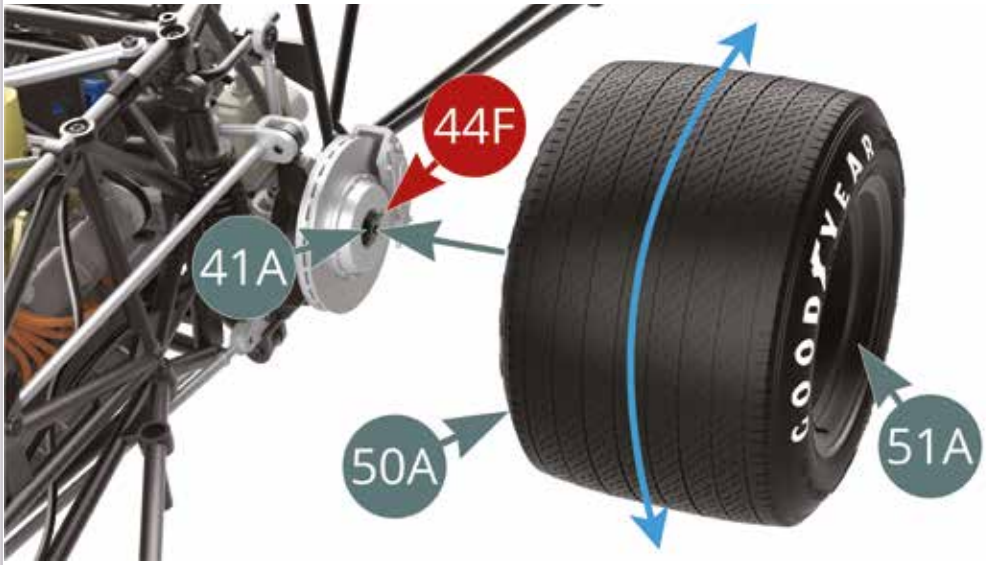
Fix 51B Inner and 51A Outer rear wheel rims with three BM screws.



STEP 4

Note the positioning rib on 51A Outer rear wheel rim hub axle (red arrow).
Put 44F Rotor on 41A Rear left upright axle. Attach Rear left wheel by its 51A Outer wheel rim hub to 41A Rear left upright axle, spinning it sideways (blue arrow) for the positioning rib to engage in 44F Outer rotor hub slot.

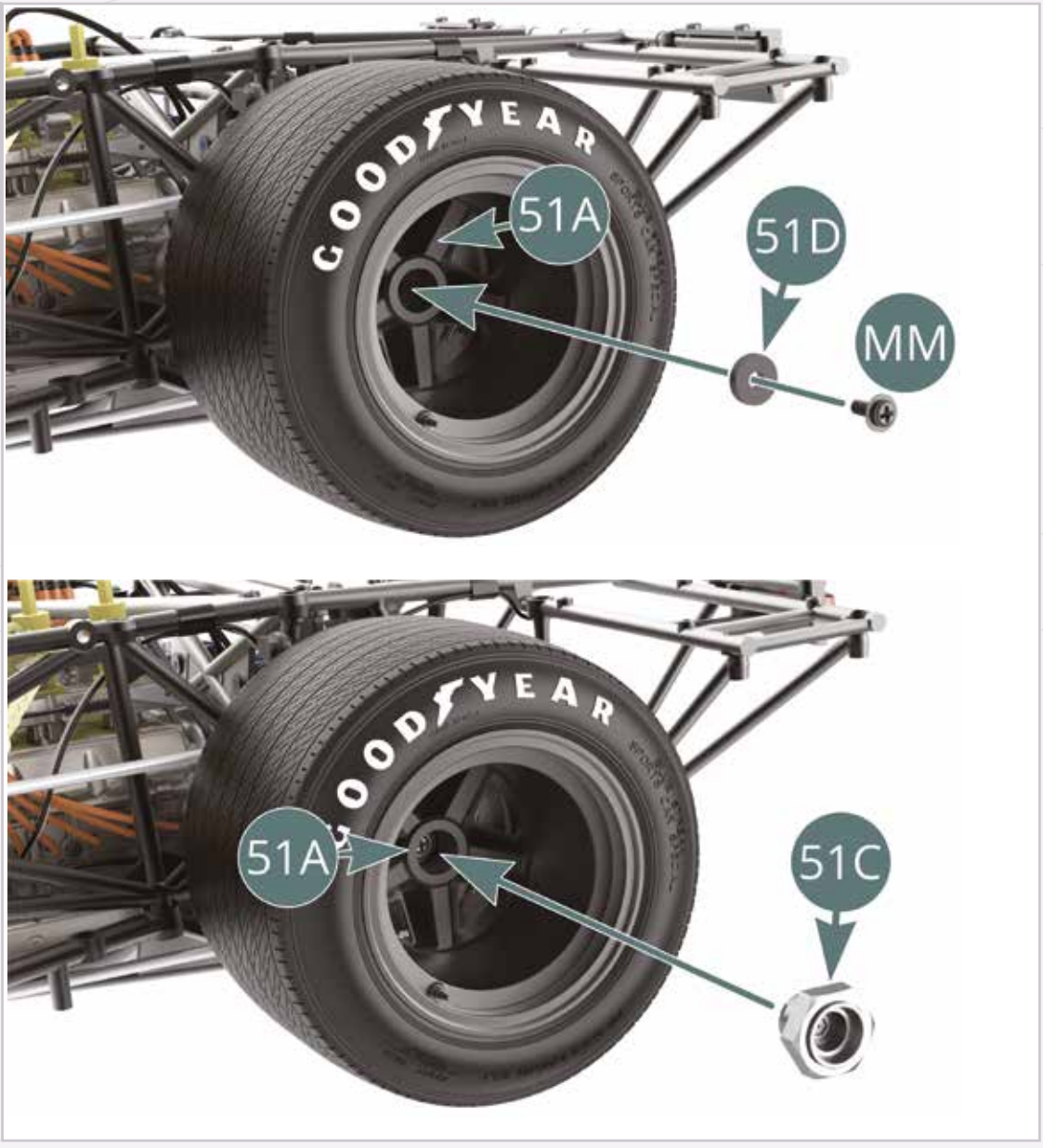




STEP 5

Fix 51A Outer wheel rim hub with MM screw via 51D washer.

Fit 51C Hub nut to 51A Outer rear wheel rim hub.

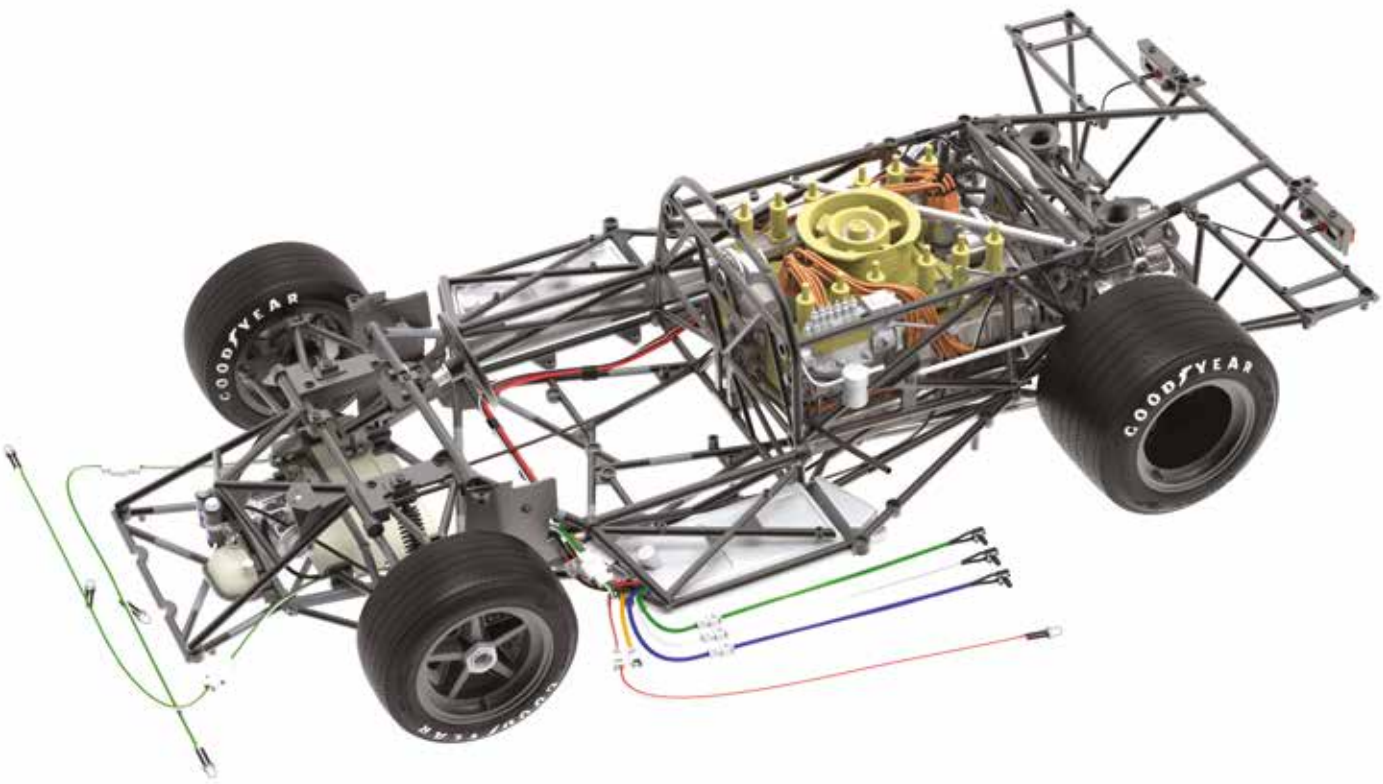


Rear left wheel is installed on Chassis



General view





Parts of the issue 52

52A Left rear tire

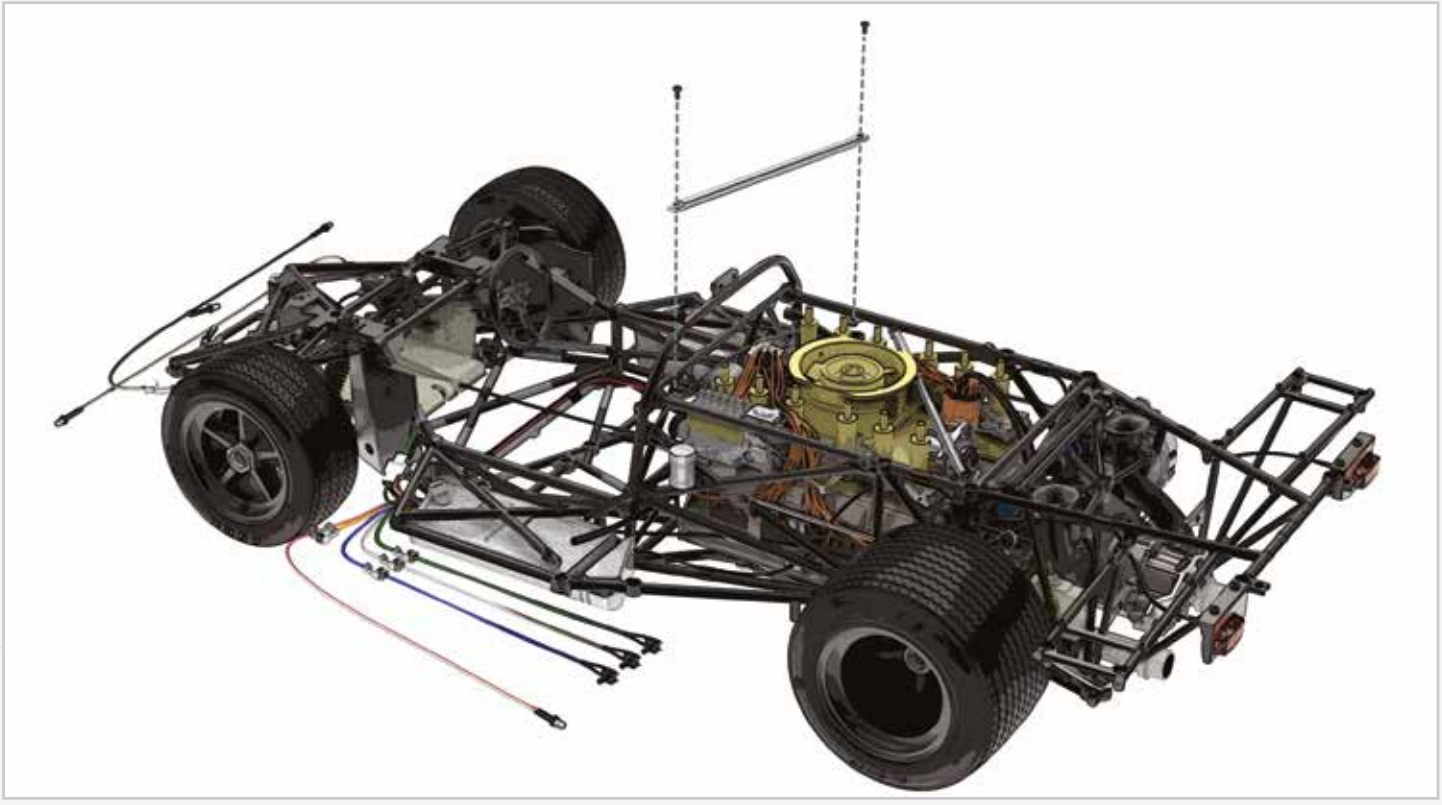
52B Removable brace

IM M1,7 x3,5mm (x3)



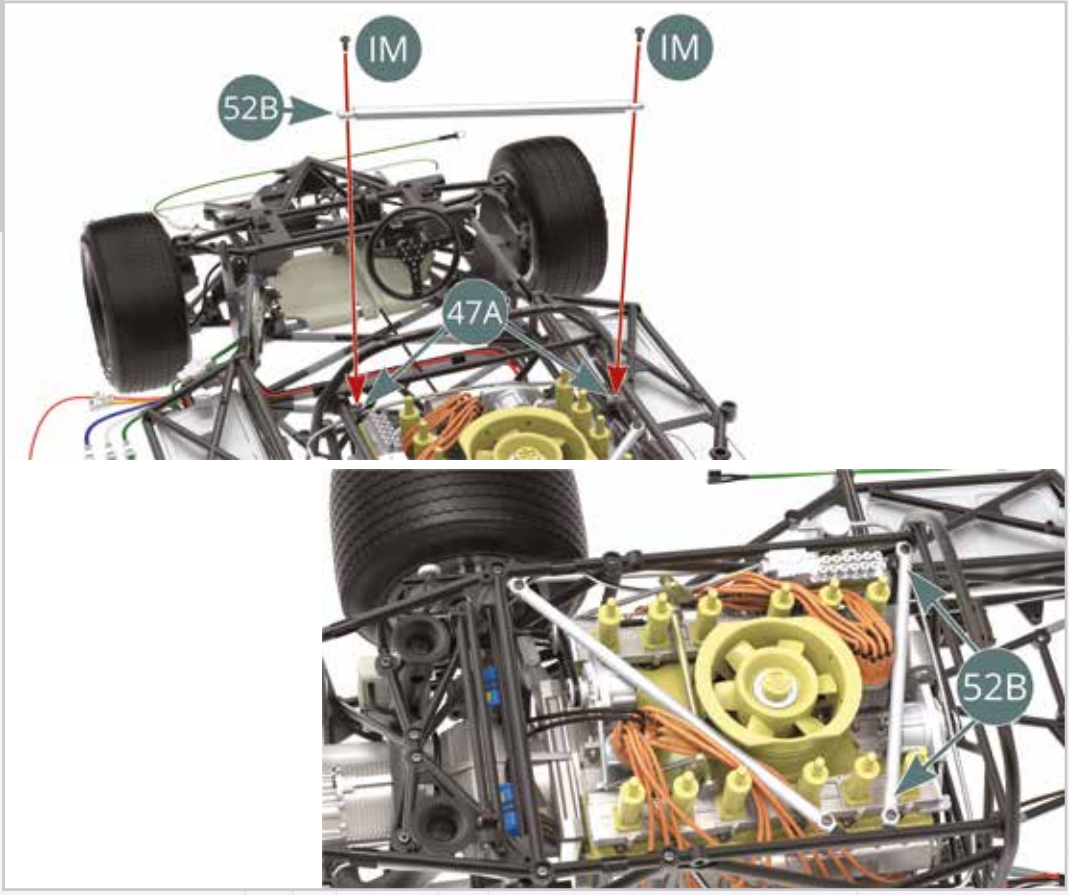
Removable brace fitting on upper frame

Assembly diagram

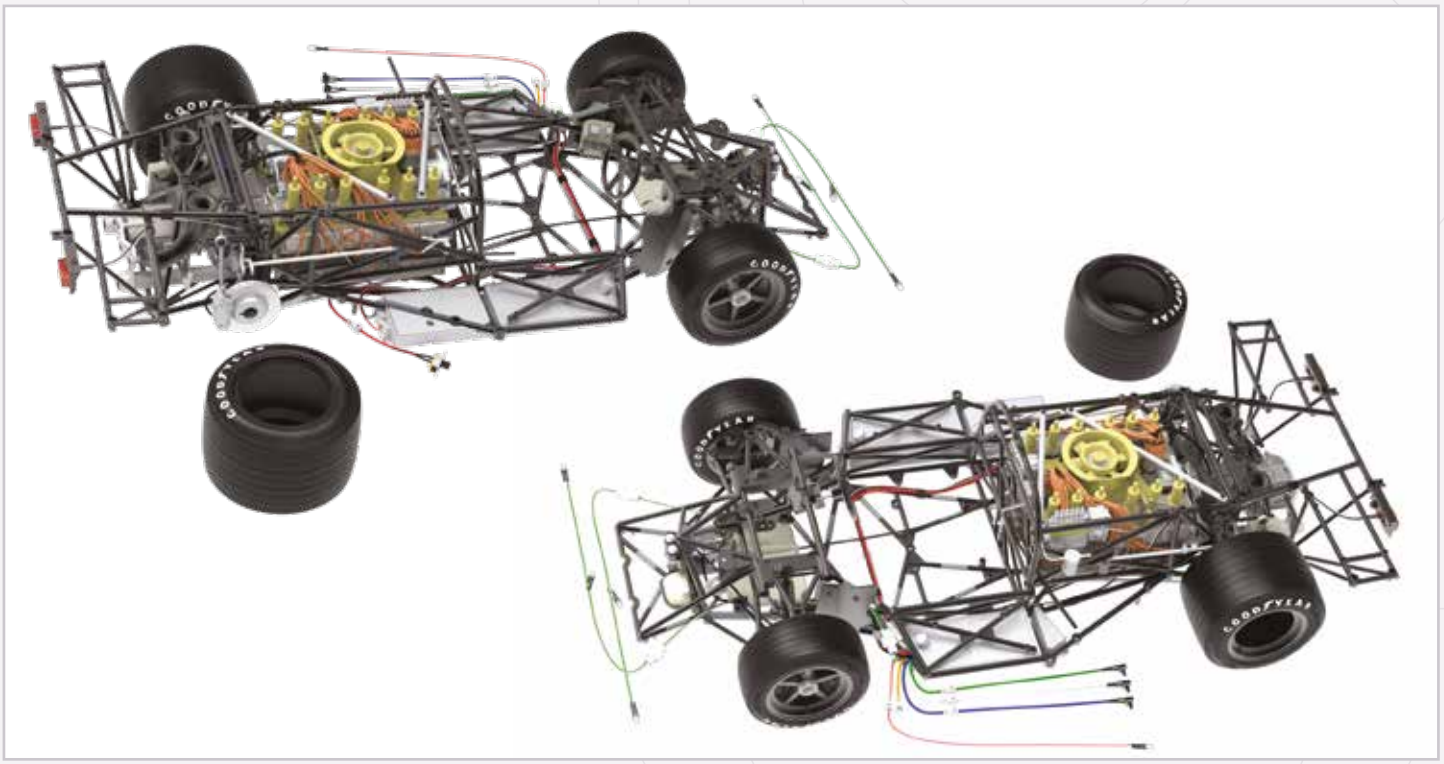


STEP 1

Fit 52B Removable brace to 47A Upper frame brackets and fix with two IM screws (upper and lower illustrations).



General view



Parts of the issue 53

53A Outer rear wheel rim

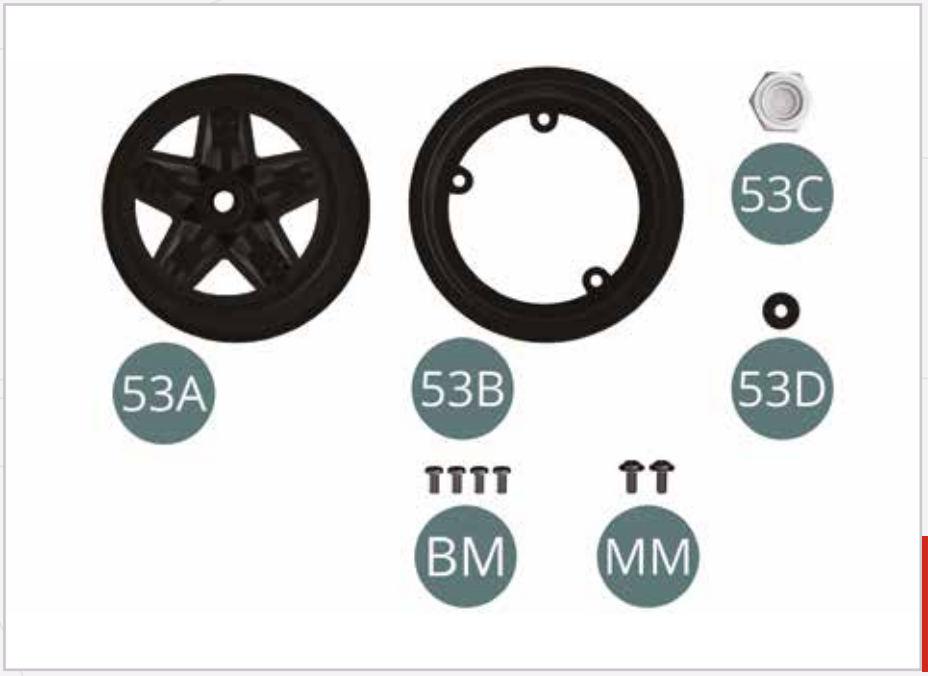
53B Inner rear wheel rim

53C Hub nut

53D Washer

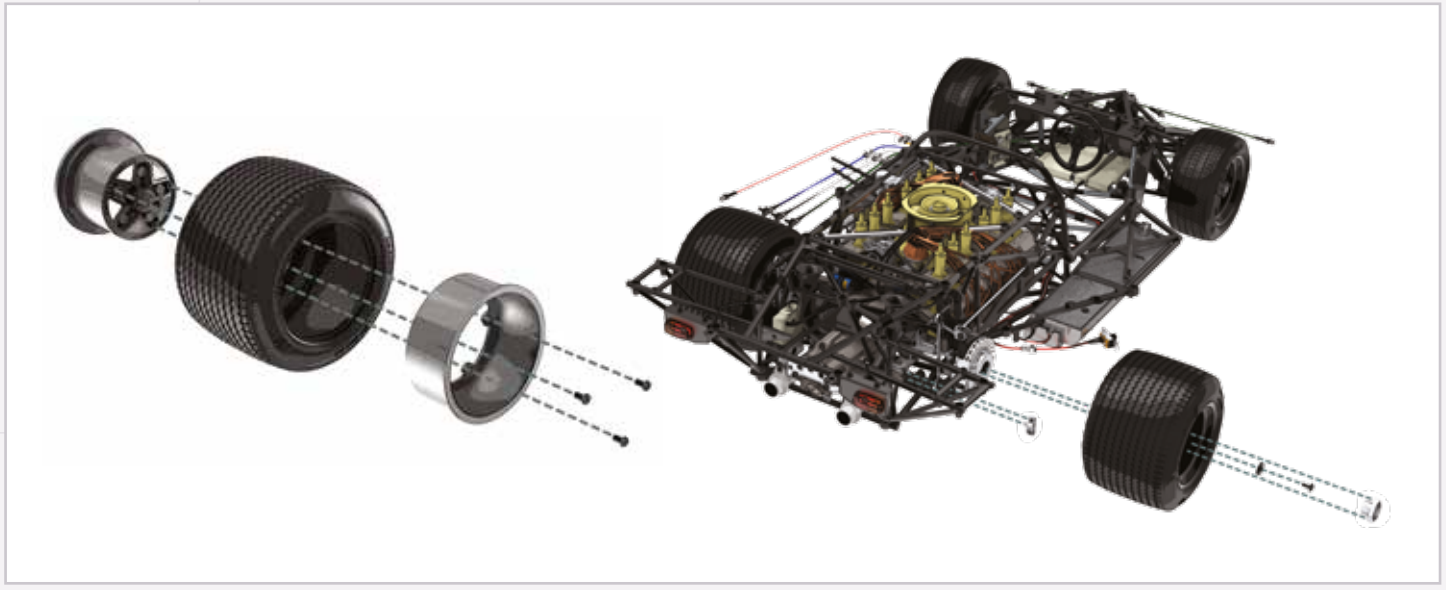
BM M2,0 x4mm (x4)

MM M2,0 x5x5mm (x2)



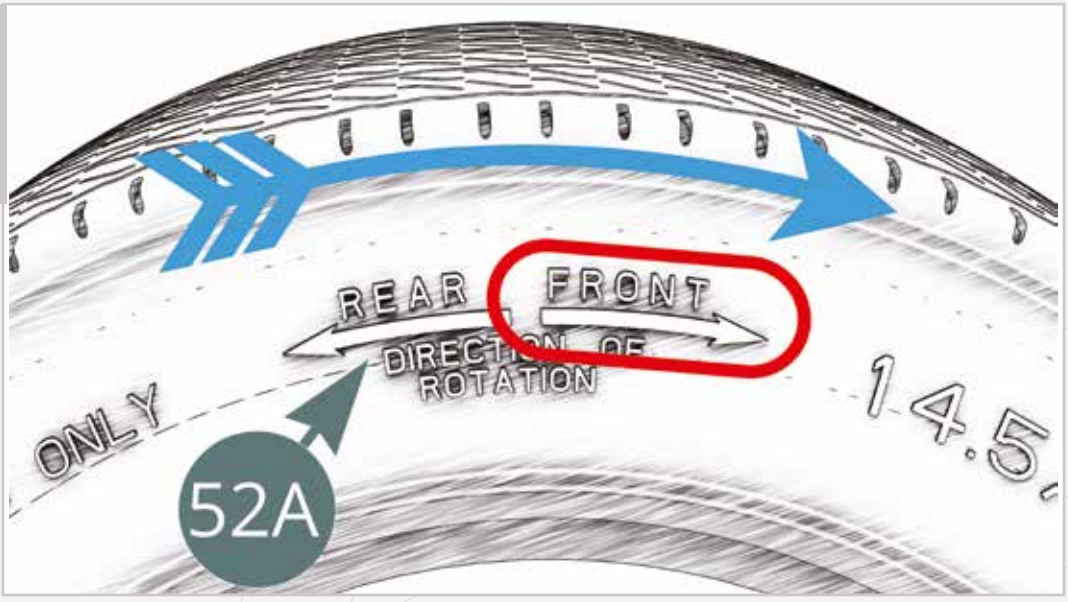
Rear right wheel assembly and mounting on chassis

Assembly diagram



STEP 1

Identify wheel rotation direction Front arrow marking on 52A Tire. Blue arrow points Right Rear Wheel rotation.



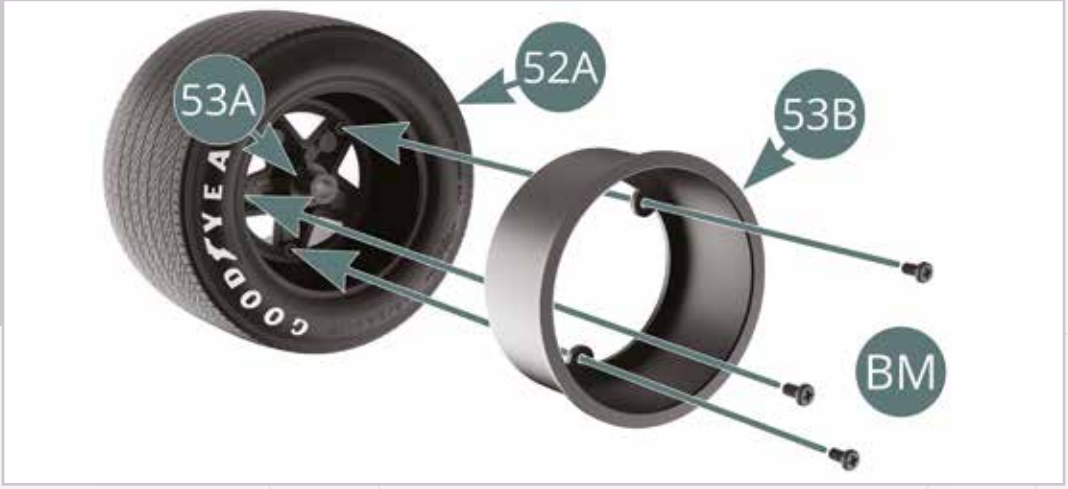
STEP 2

In order to fit 53A Outer rear wheel rim into 52A Tire (from its deeper recess side, green arrows), put 52A Tire in hot water for a minute or more to get it softened.



STEP 3

Fit 53B Inner rear wheel rim from the other side into 52A Tire, aligning it at the same time to 53A Outer wheel rim three connection points.
Fix 53B Inner and 53A Outer rear wheel rims with three BM screws.

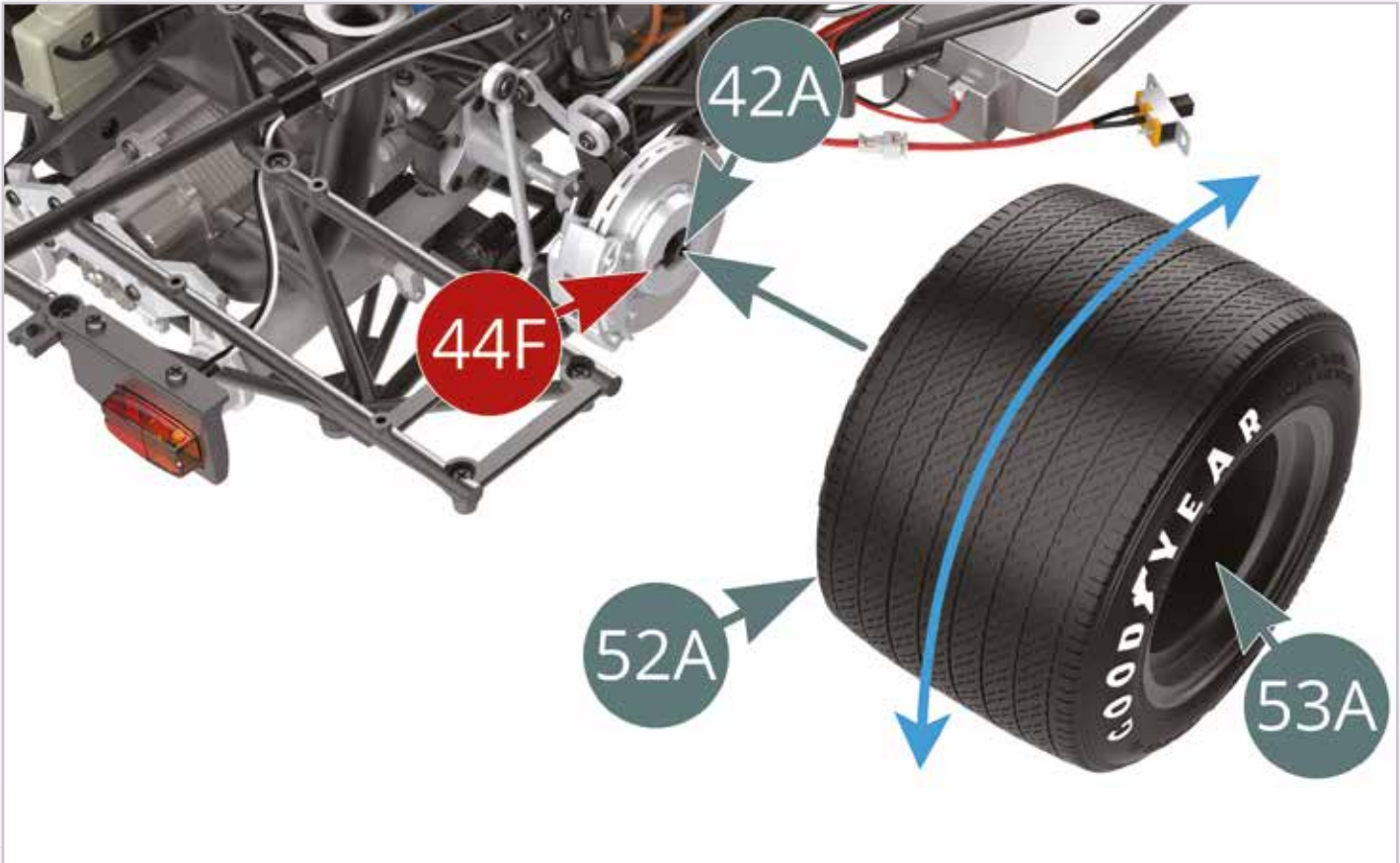


STEP 4

Note the positioning rib on 53A Outer rear wheel rim hub axle (red arrow).

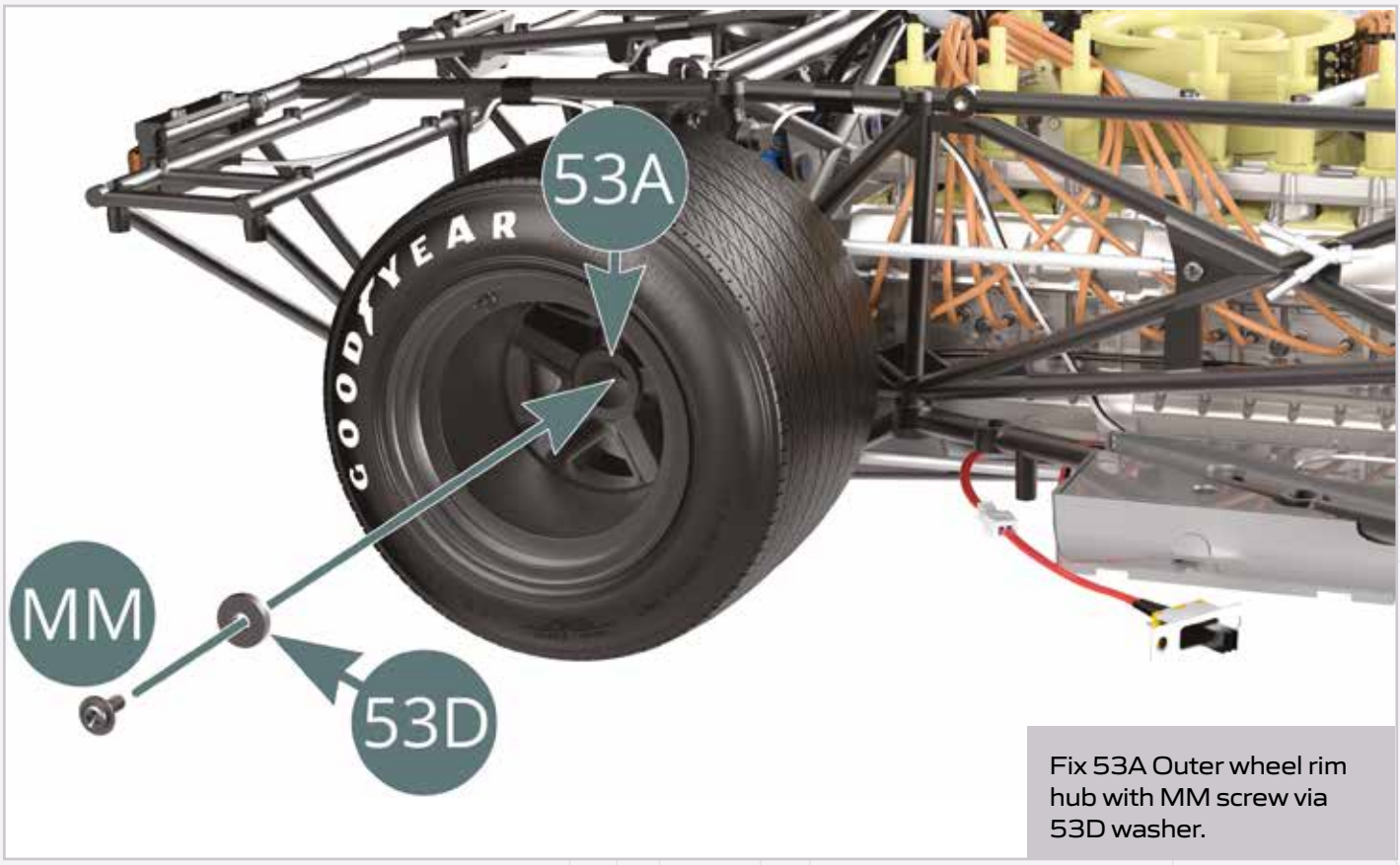


STEP 5



Put 44F Rotor on 42A Rear right upright axle. Attach Rear right wheel by its 53A Outer wheel rim hub to 42A Rear right upright axle, spinning sideways (blue arrow) for the positioning rib to engage in 44F Outer rotor hub slot.

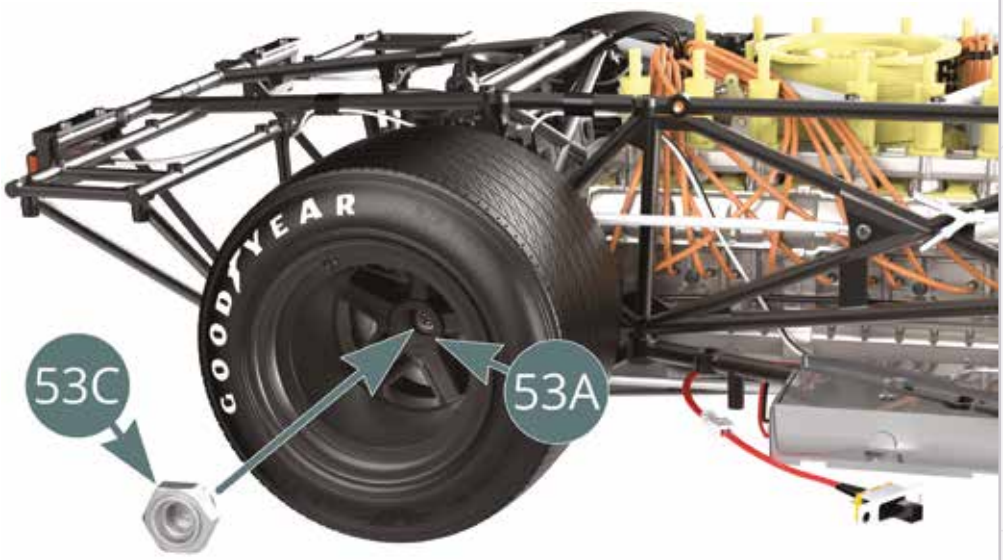
STEP 6



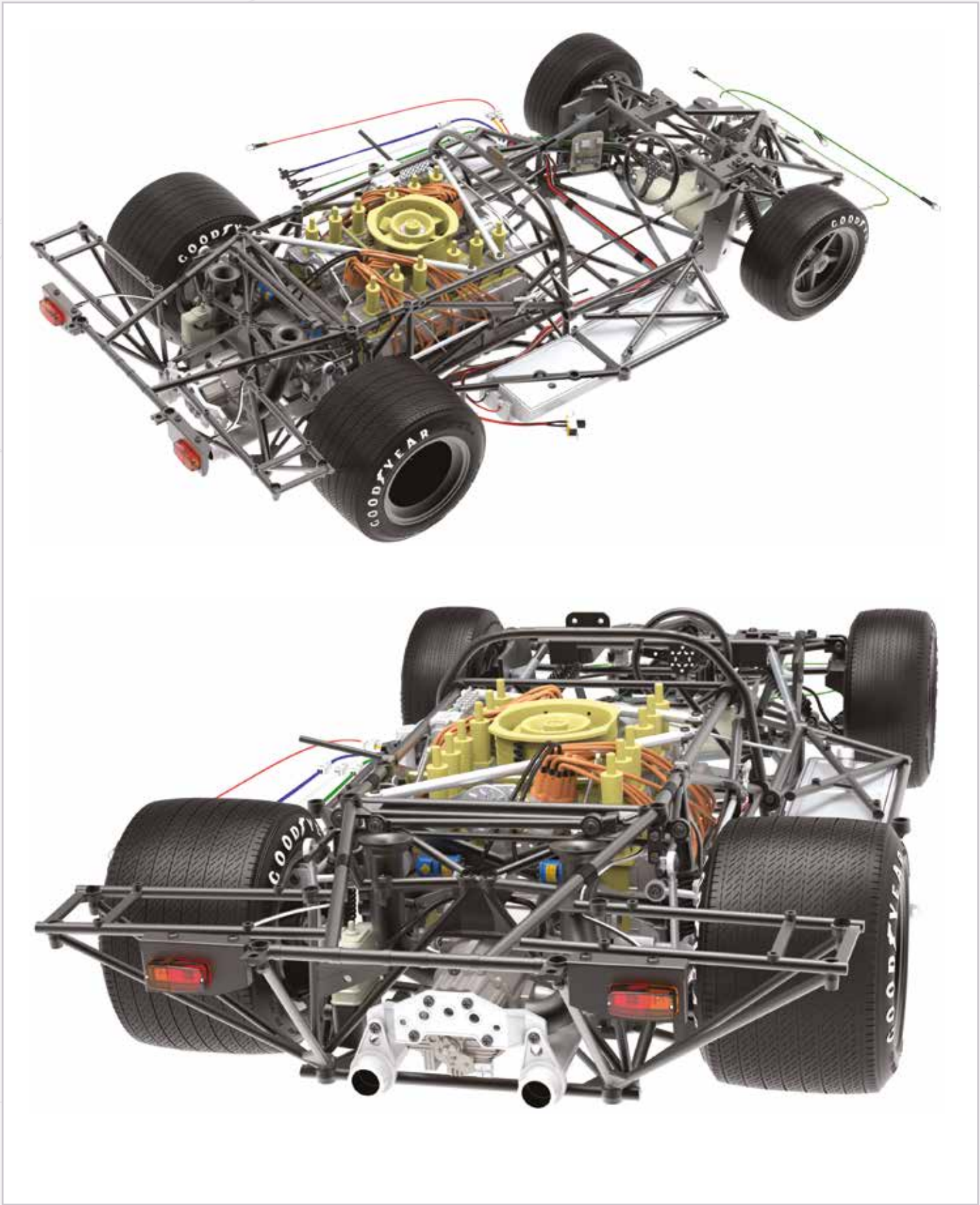
Fix 53A Outer wheel rim hub with MM screw via 53D washer.

STEP 8

Fit 53C Hub nut to 53A Outer rear wheel rim hub.



General view



Parts of the issue 54

54A Cockpit partition

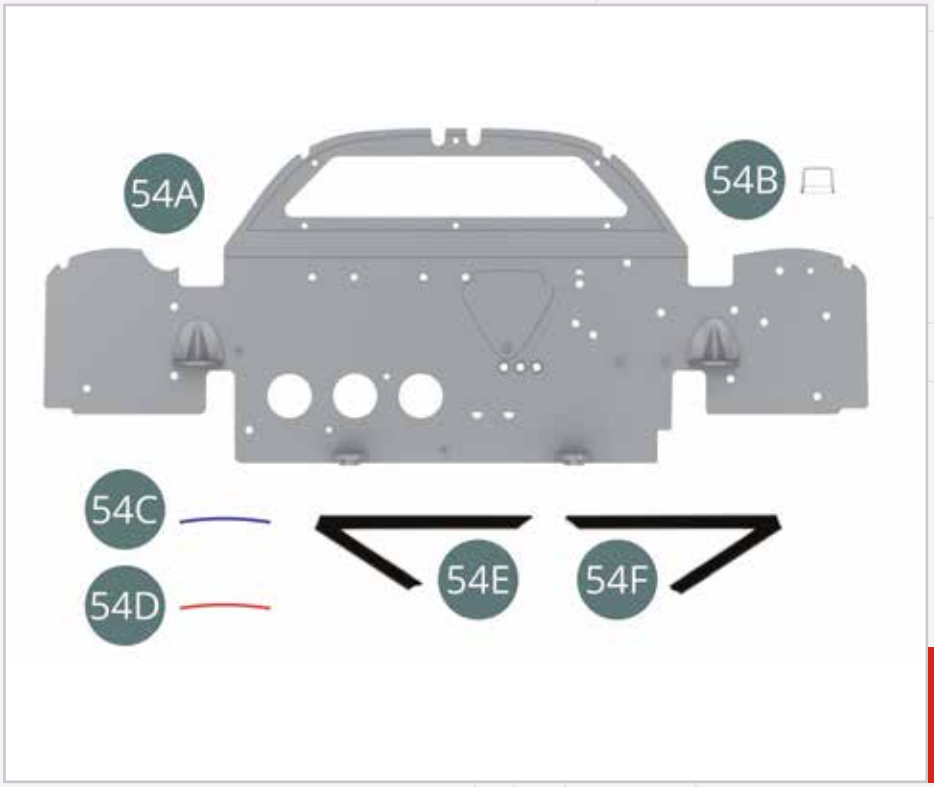
54B Voltage regulator

54C Electric wire (blue)

54D Electric wire (red)

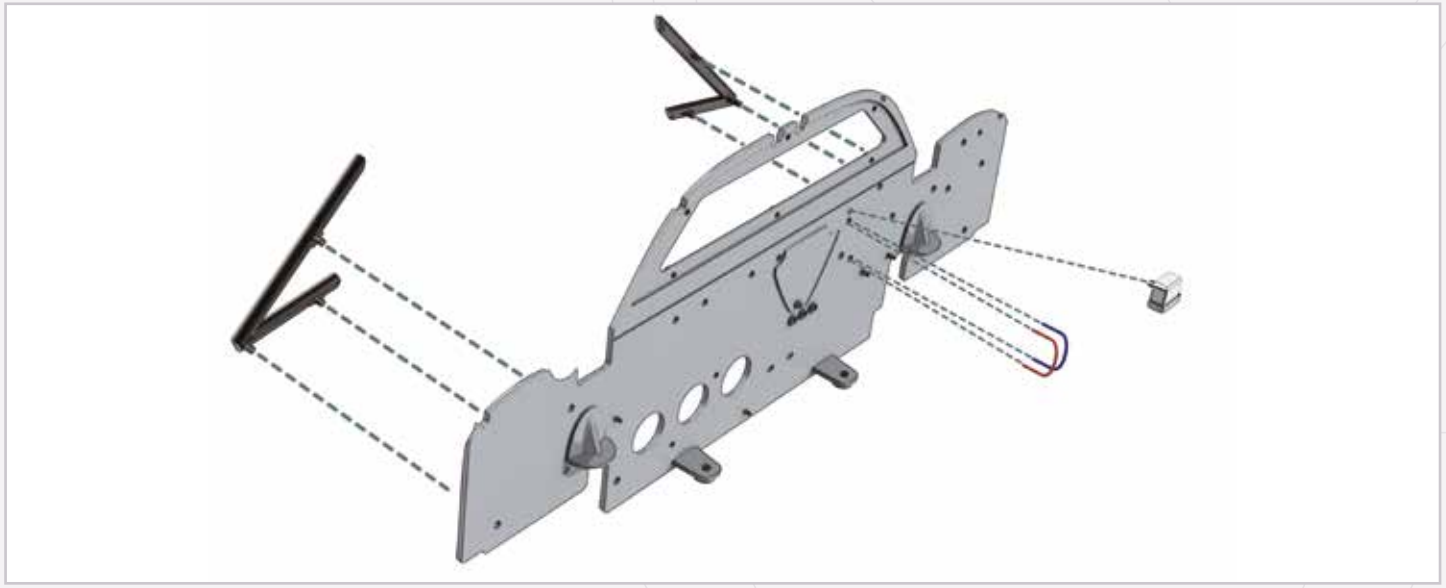
54E Left frame strut

54F Right frame strut



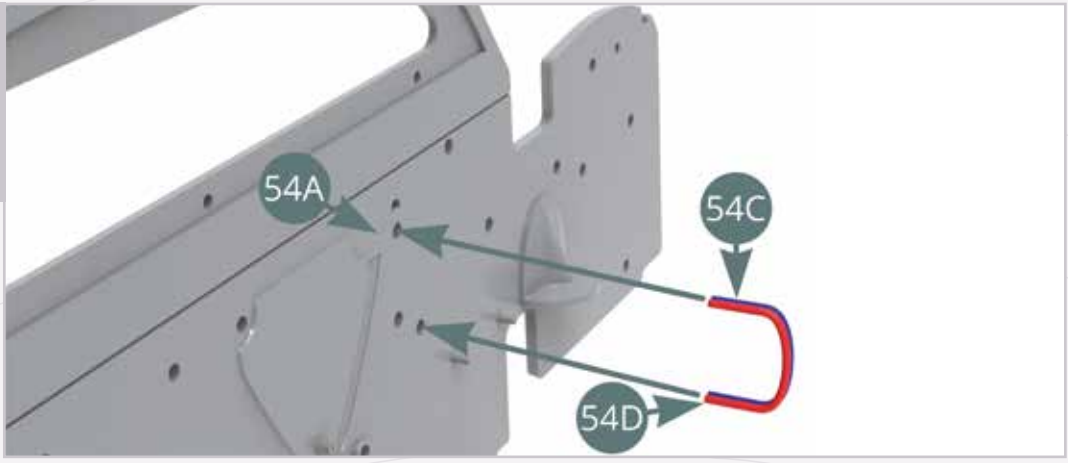
Cockpit partition - firewall preassembly

Assembly diagram



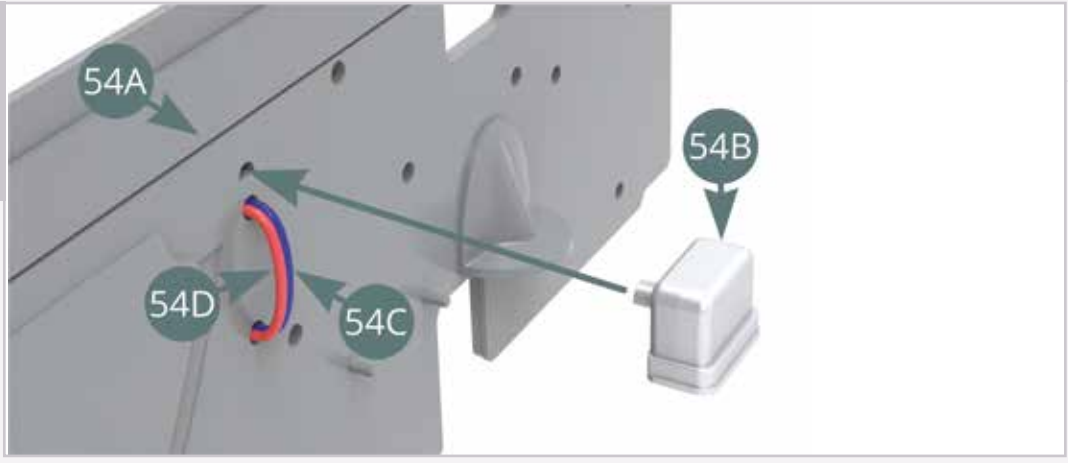
STEP 1

Fit 54C Blue and 54D Red Electric wires to 54A Cockpit partition (gray side), and tighten them.



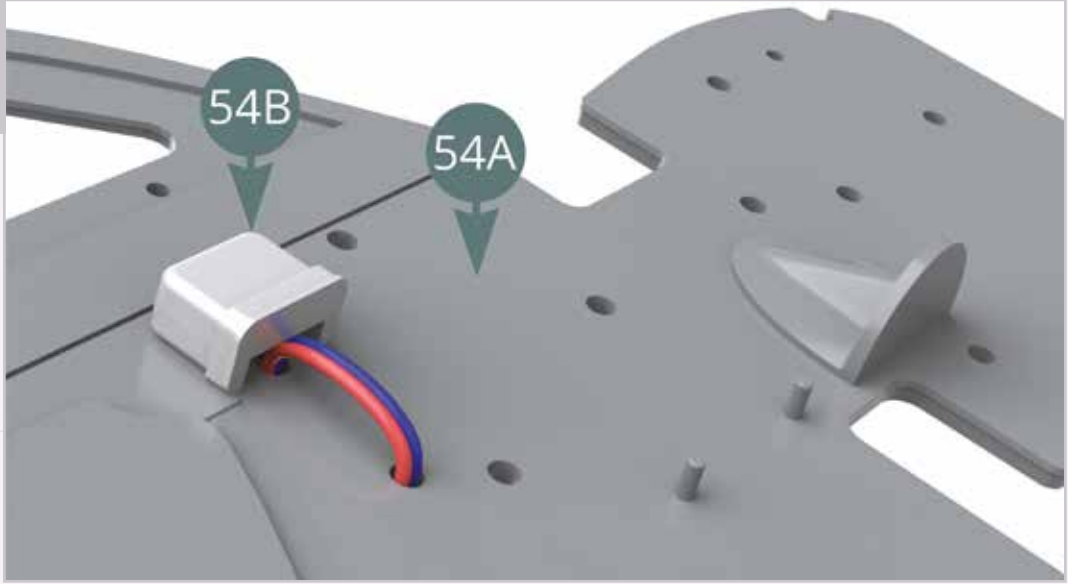
STEP 2

Fit 54B Voltage regulator above 54C Blue and 54D Red Electric wires to 54A Cockpit partition (gray side).



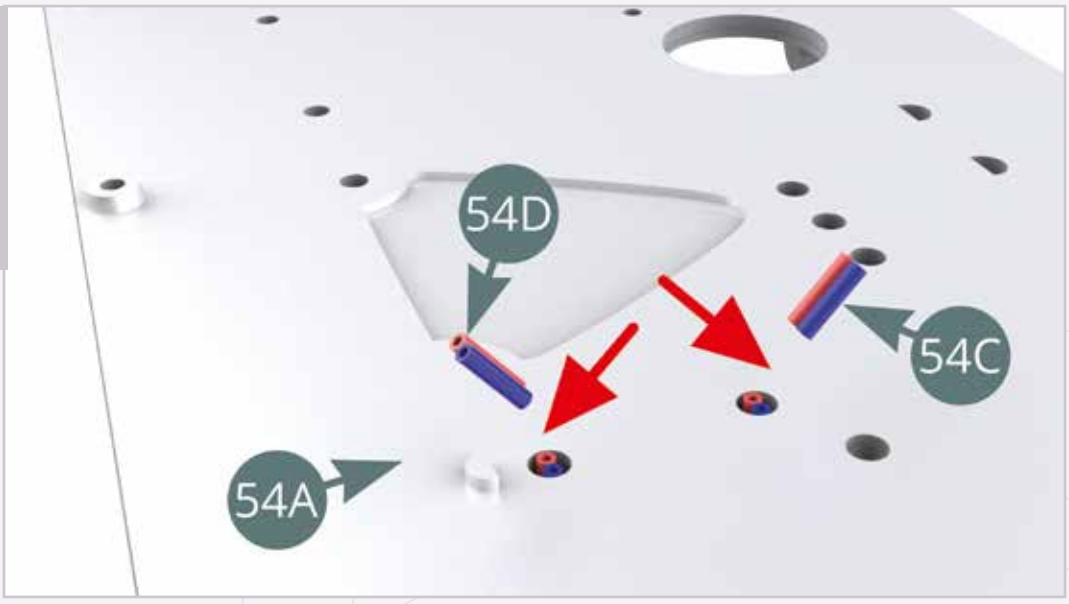
STEP 3

Fit 54B Voltage regulator is fitted to 54A Cockpit partition.



STEP 4

Using nippers, cut away (red arrows) excess lengths of 54C Blue and 54D Red Electric wires to remain flush with 54A Cockpit partition (silver color side) surface.



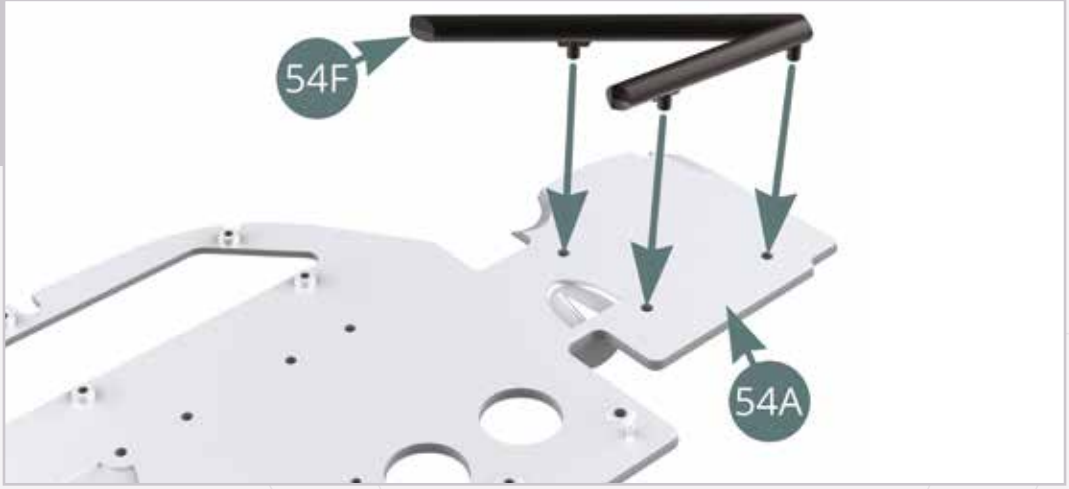
STEP 5

Fit 54E Left frame strut to 54A Cockpit partition left silver color side.

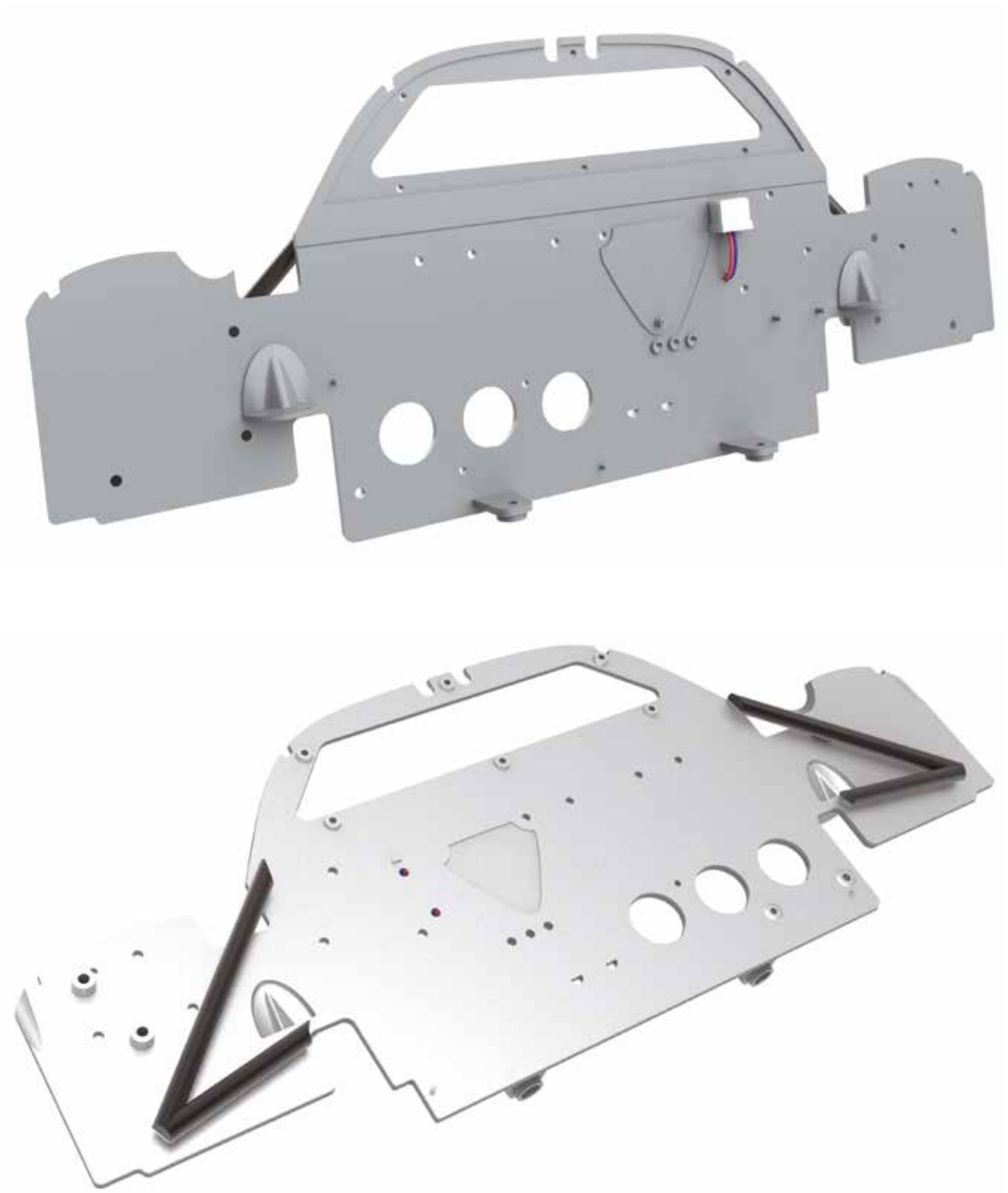


STEP 6

Fit 54F Right frame strut to 54A Cockpit partition right silver color side.



General view



Parts of the issue 55

55A Partition plexiglass

55B Safety belt holders (x2)

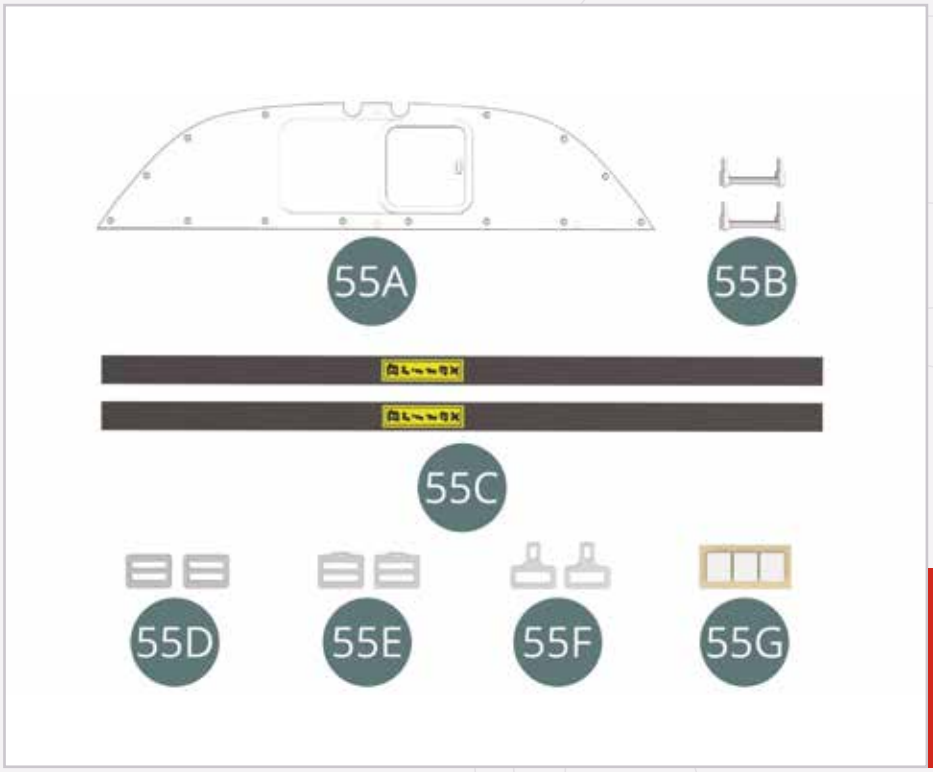
55C Safety belt (x2)

55D Upper buckle (x2)

55E Lower buckle (x2)

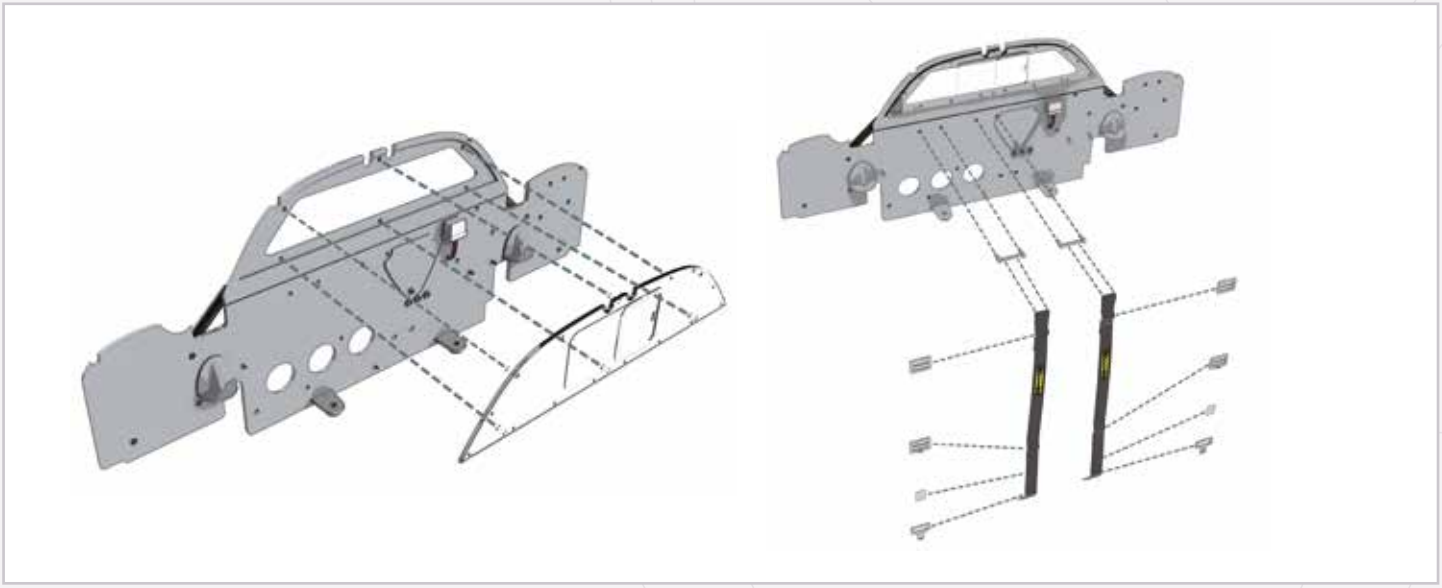
55F Lock buckle (x2)

55G Double side tape (x3)



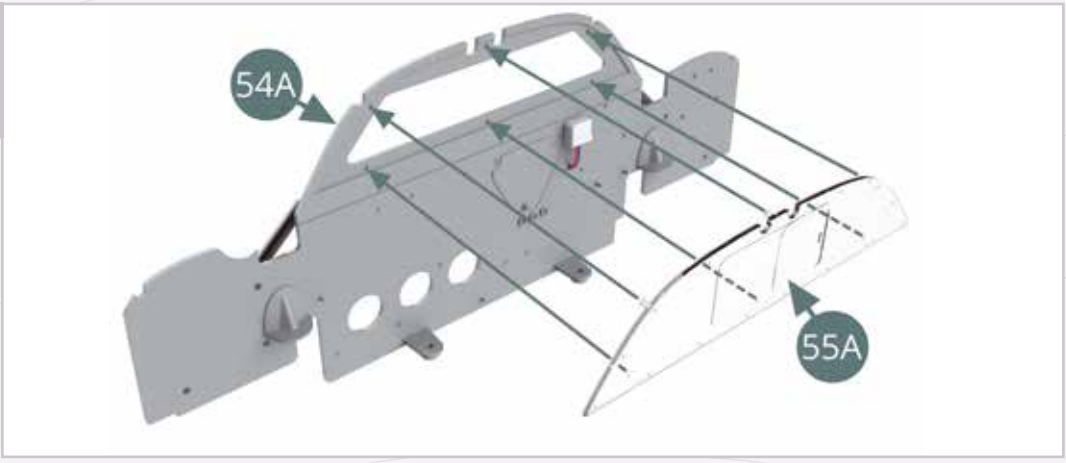
Safety belts assembly and cockpit partition preassembly completion

Assembly diagram



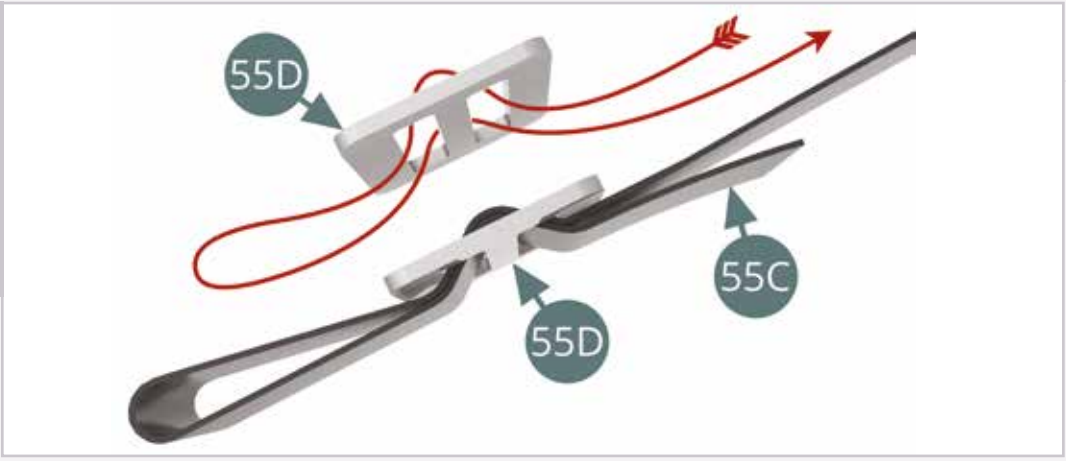
STEP 1

Fit 55A Partition plexi-glass on its six pins to 54A Cockpit partition.



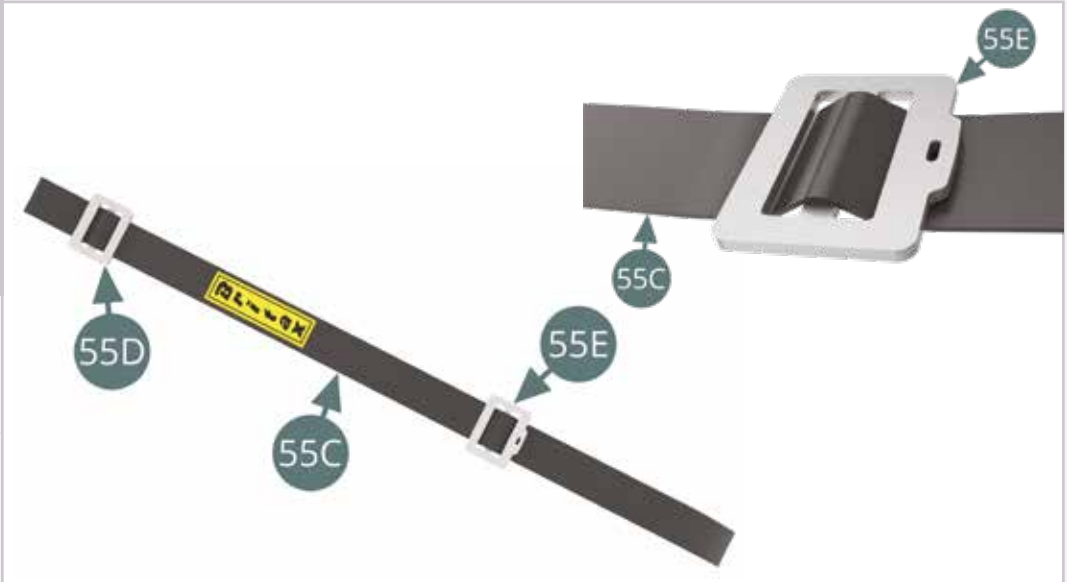
STEP 2

Fit 55D Upper buckle to 55C Safety belt by passing it through the buckle as shown by red arrow. Repeat for both 55C Safety belts. Refer the result on next illus-tration.



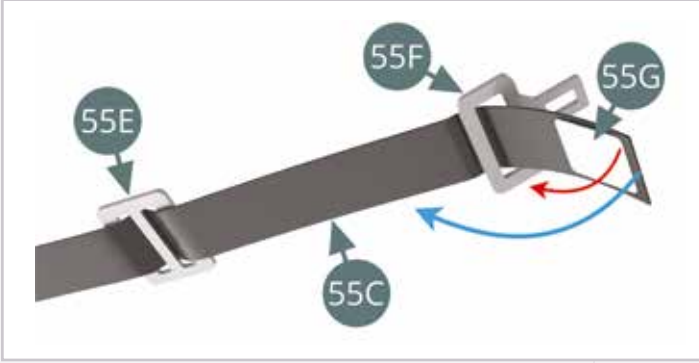
STEP 3

Having fit 55D Upper safety buckle, continue with fitting 55E Lower safety buckle on 55C Safety belt as shown on illustrations above and below. Repeat for both 55C Safety belts.



STEP 4

Pass 55F Lock buckle on 55C Safety belt. Apply 55G Double side tape at the end of 55C Safety belt. Remove backing paper (red arrow) from 55G Double side tape and close the loop over 55F Lock buckle by sticking exposed side of 55G Tape back to 55C Safety belt (blue arrow).

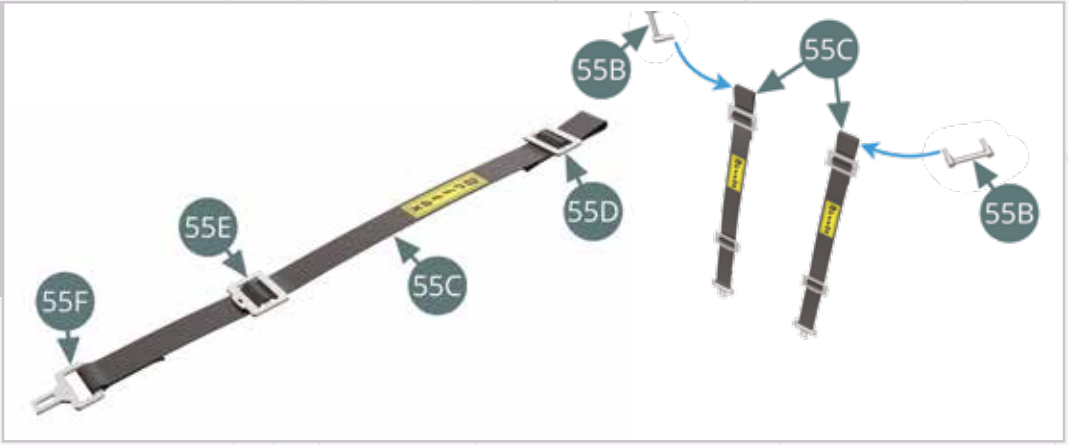




Refer to upper and lower illustrations. Repeat for both 55C Safety belts.

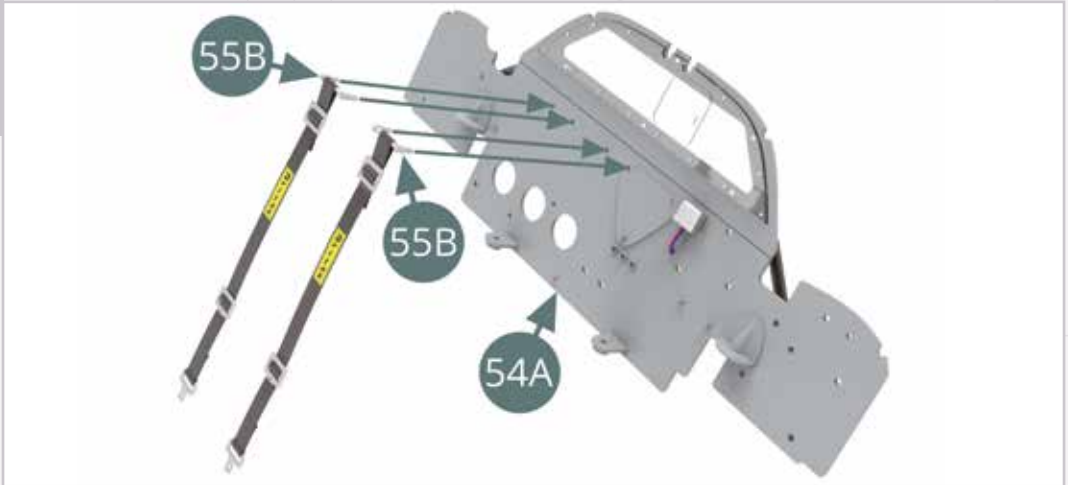
STEP 5

With all three 55D, 55E and 55F Buckles fitted to both 55C Safety belts, fit 55B Safety belt holders though the upper loops of both belts. (left and right illustrations).

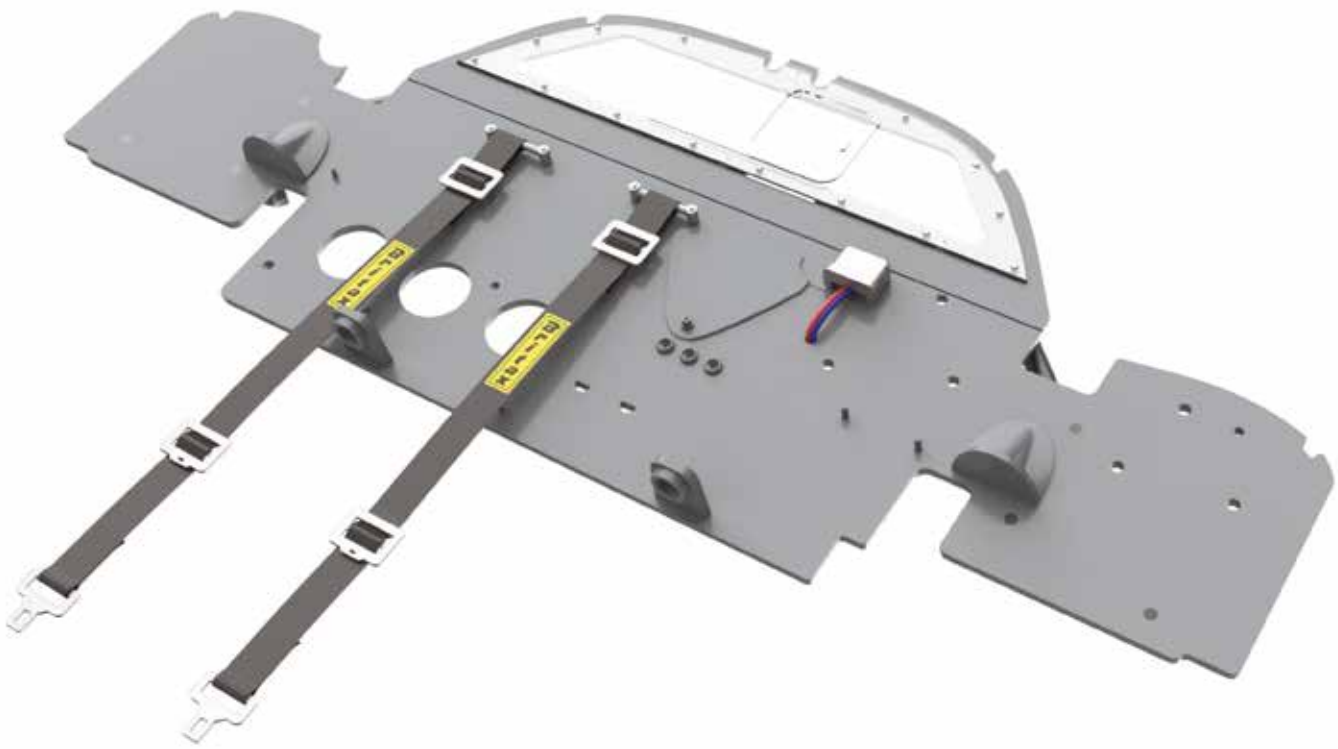


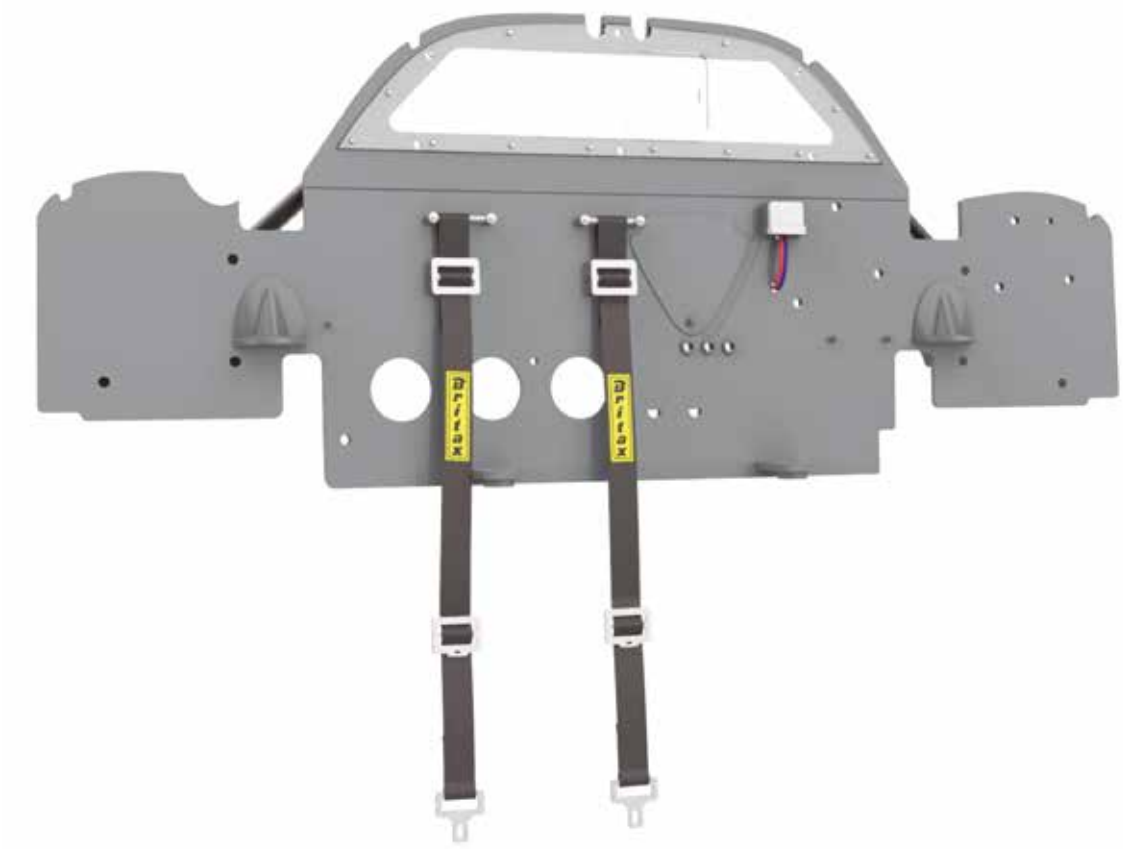
STEP 6

Fit two 55B Safety belt holders to 54A Cockpit partition.



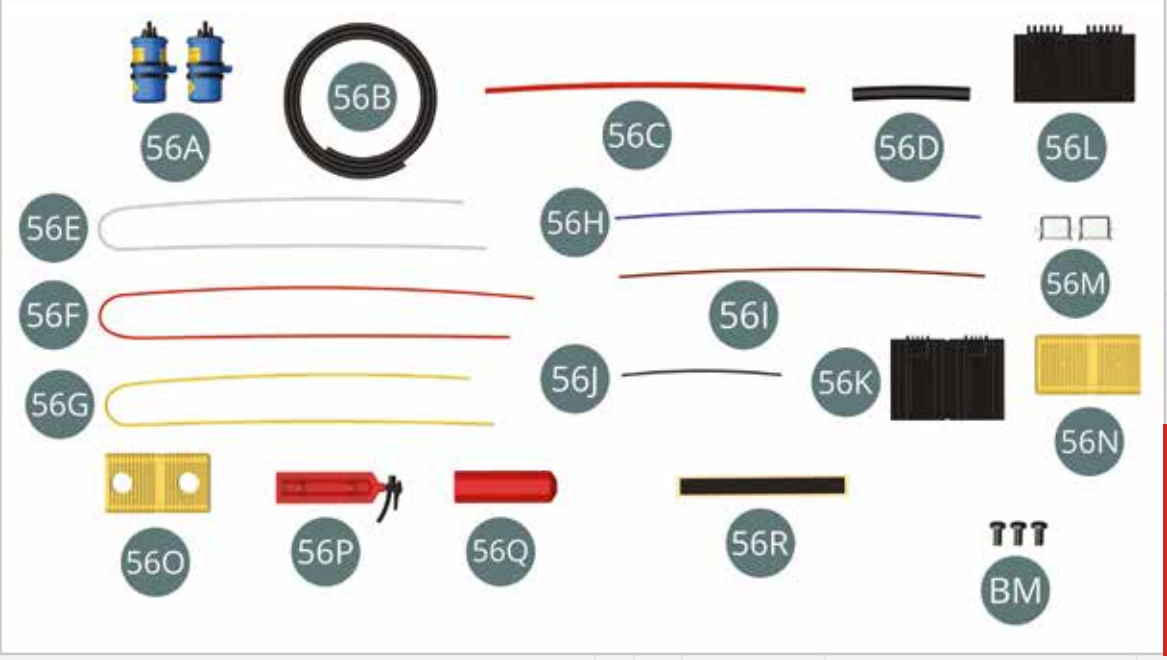
General view





Parts of the issue 56

56A Ignition coil (x2)
56B Black cable
56C Red cable
56D Black hose
56E White cable
56F Red cable
56G Yellow cable
56H Blue cable
56I Brown cable
56J Black cable
56K Spark box
56L Spark box
56M Rev-limiter relays
56N Resistor box 1
56O Resistor box 2
56P Fire extinguisher
56Q Fire extinguisher
56R Tape
56S Tape (x6)
BM M2,0 x4mm (x3)



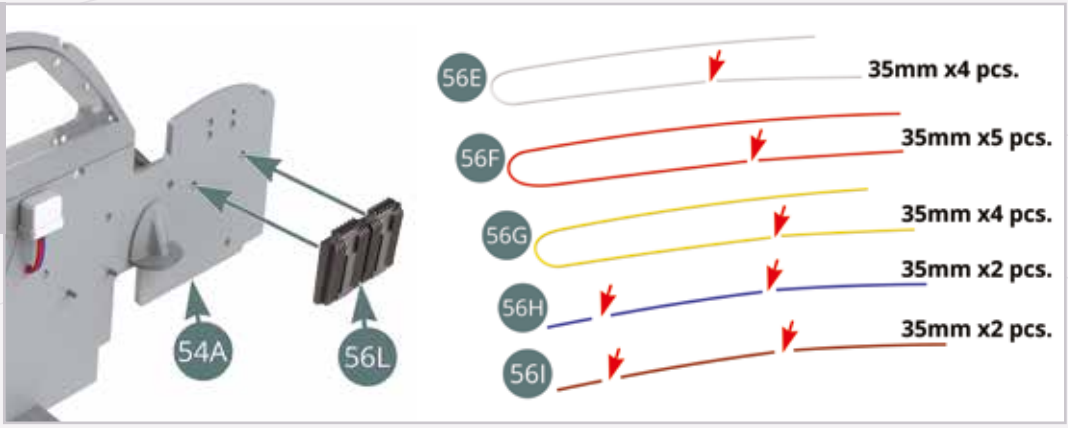
Cockpit partition, Ignition and Fire extinguisher systems assembly and installation on Chassis

Assembly diagram



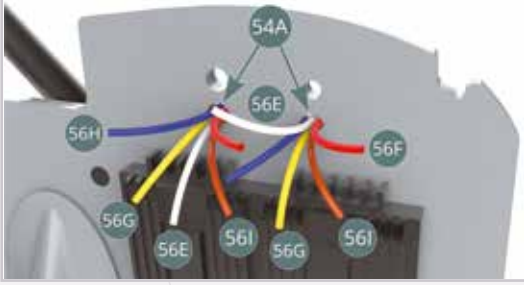
STEP 1

Fit 56L Spark box to 54A Cockpit partition. Cut the above listed quantities and lengths of respective color cables.



STEP 2

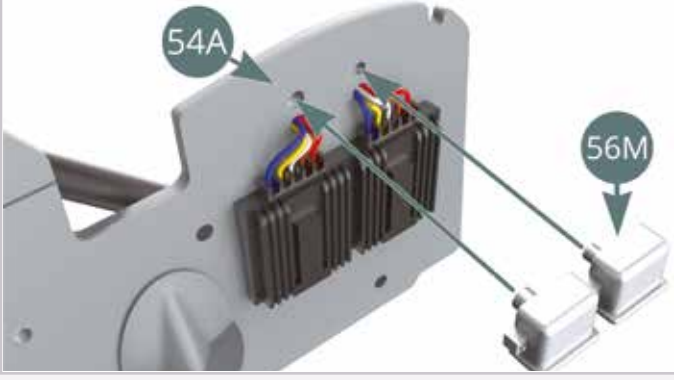
Fit previously cut 35mm long cables; 56F Red, 56I Brown, 56G Yellow, 56H Blue and 56E White into two holes in 54A Cockpit partition, and then fit their ends in 56L Spark box upper slots as shown below.

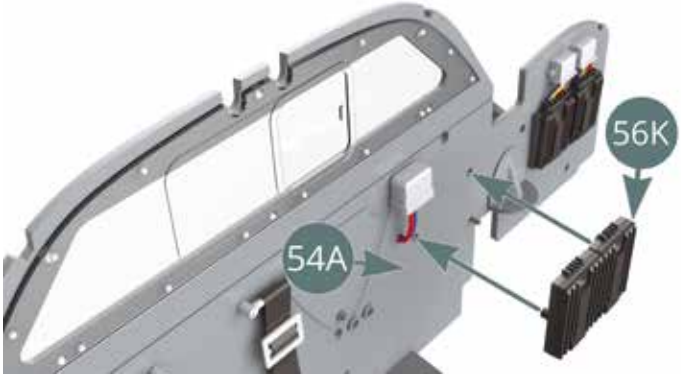




STEP 3

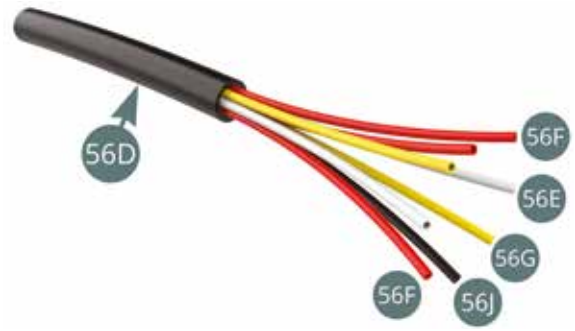
Fit 56M Rev-limiter relays to 54A Cockpit partition.
Fit 56K Spark Box to 54A Cockpit partition.





STEP 4

Fit previously cut 35mm long cables; 56F Red, 56G Yellow, 56E White and supplied 56J Black cable into 56D Black hose.





Pass 56D Hose (with assortment of thinner cables inside) through 54A Cockpit partition as shown below.

STEP 5

Fit the ends of yellow, white, red and black cables into upper slots of 56K Spark box.

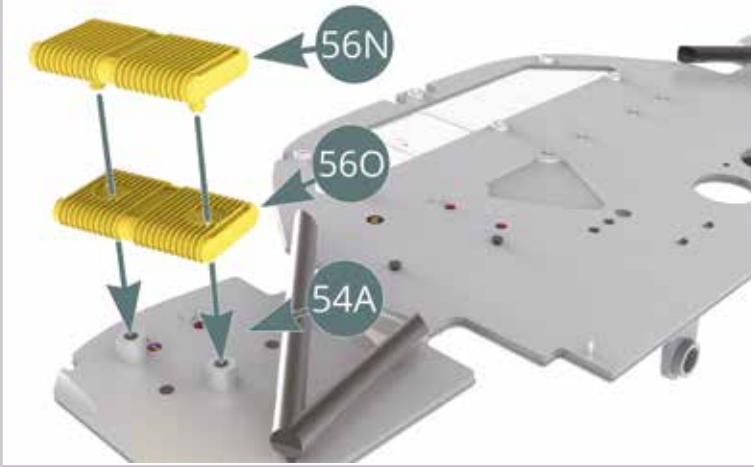


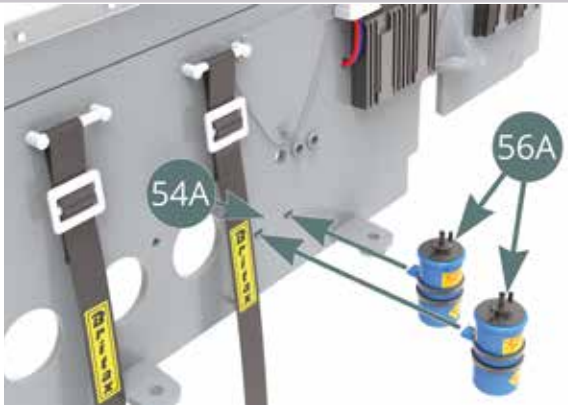


On the back (silver colored) side of 54A Cockpit partition nip off protruding excess cable bunches flush with surface.

STEP 6

Attach 56N and 56O Resistor boxes 1 and 2 to 54A Cockpit partition. Fit two 56A Ignition coils to 54A Cockpit partition.





STEP 7

Fit two 56A Ignition coils to 54A Cockpit partition. Cut the respective quantities and lengths of 56B-1, 56B-2 and 56B-3 Black cables as shown above.



STEP 8

Fit previously prepared two 56C Red Cables and two 56B-1 Black cables to side pins of 56A Ignition coils and pass the other ends into 54A Cockpit partition hole.

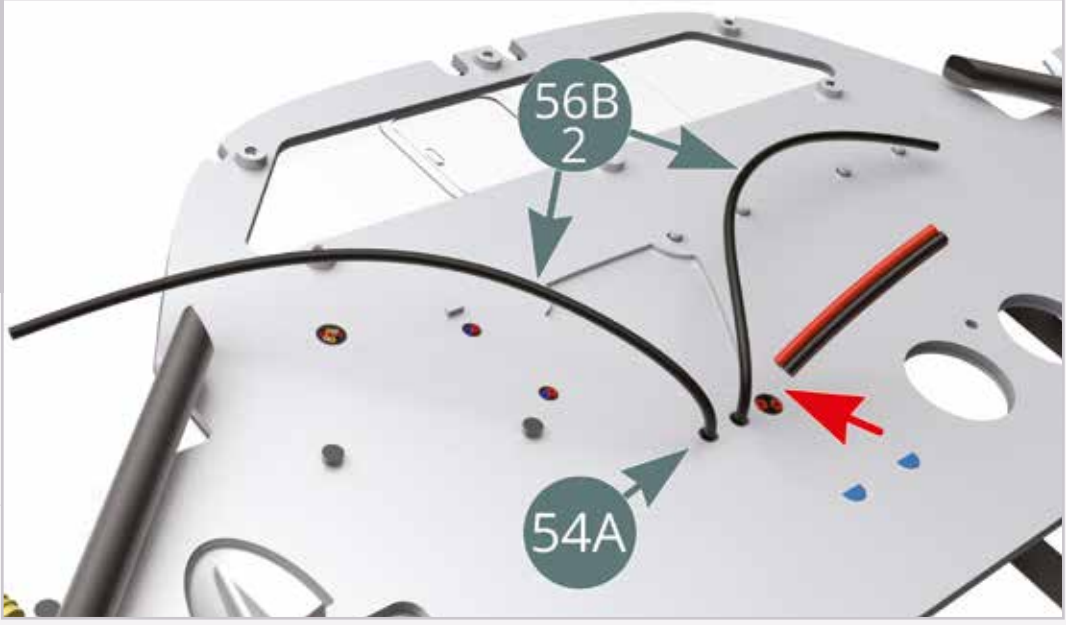


Fit two previously prepared two 56B-2 Black cables to central pins of 56A Ignition coils and pass the other ends into two 54A Cockpit partition holes.



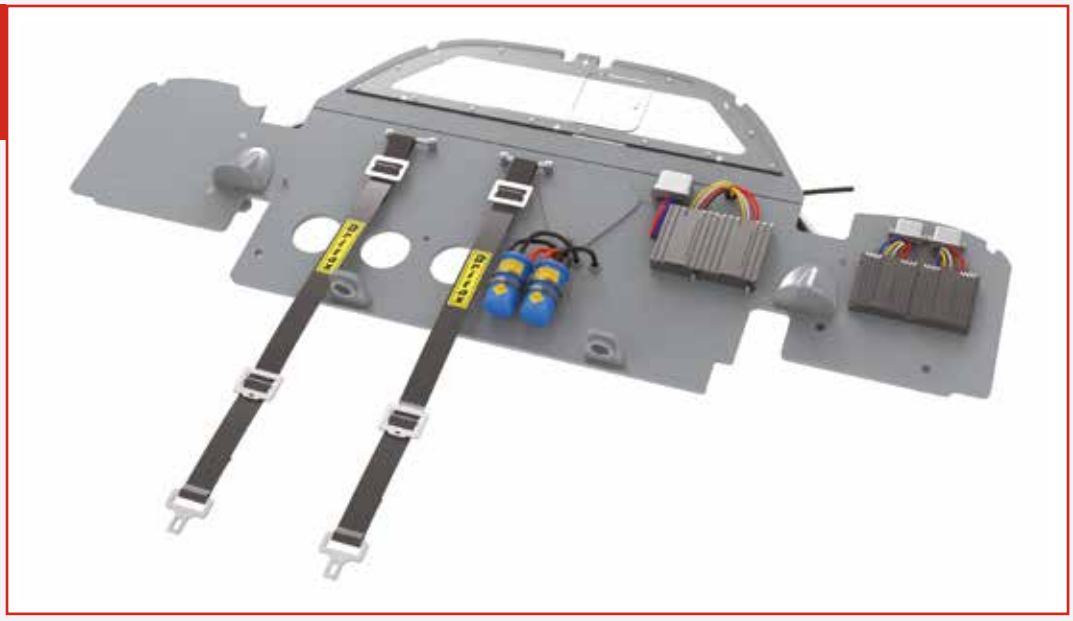
STEP 9

Leave the long ends of 56B-2 Black cables until further use, and nip off nearby protruding excess black and red cables bunch flush with 54A Cockpit partition surface.

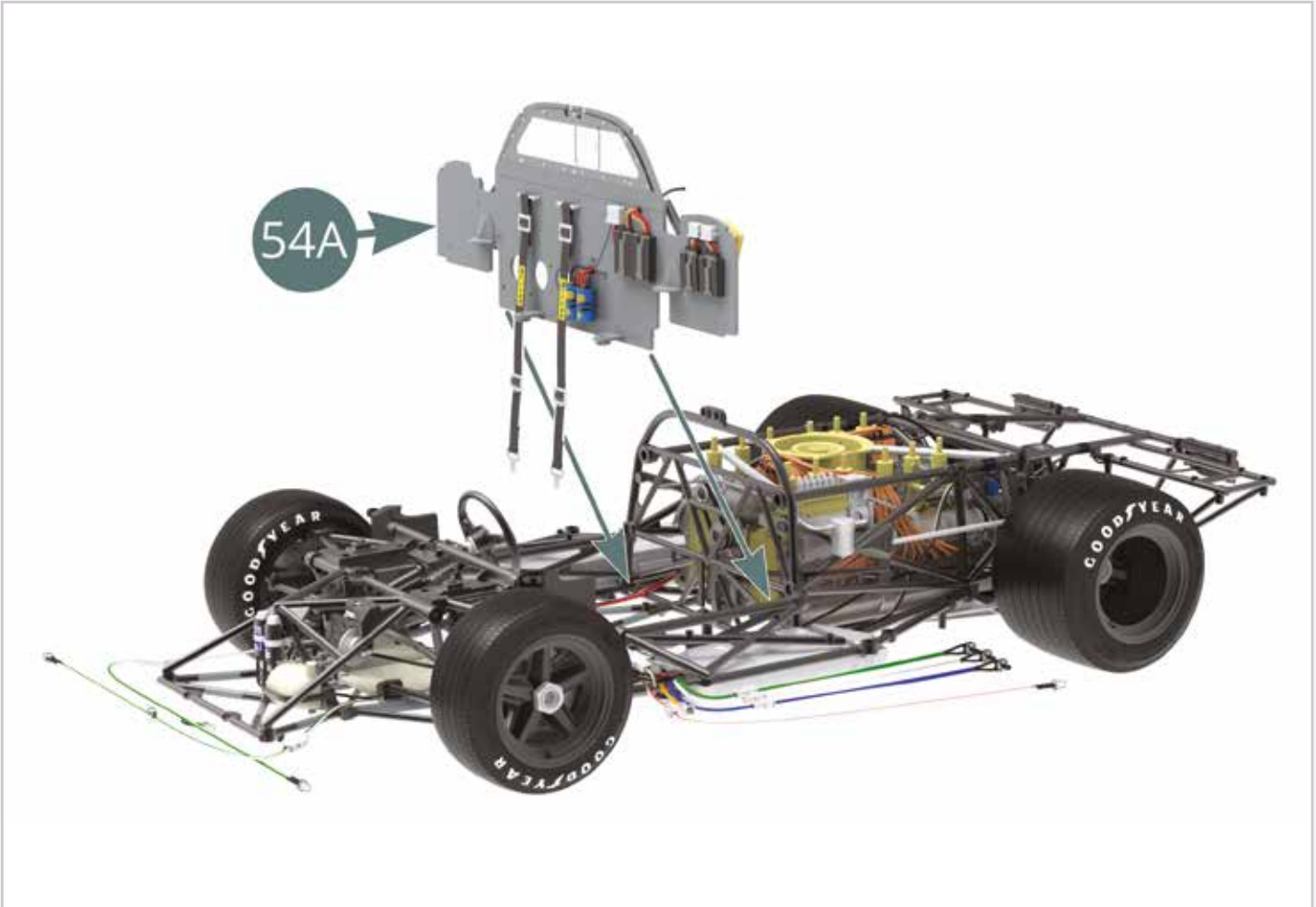


STEP 10

Cockpit partition is ready for attachment to Chassis

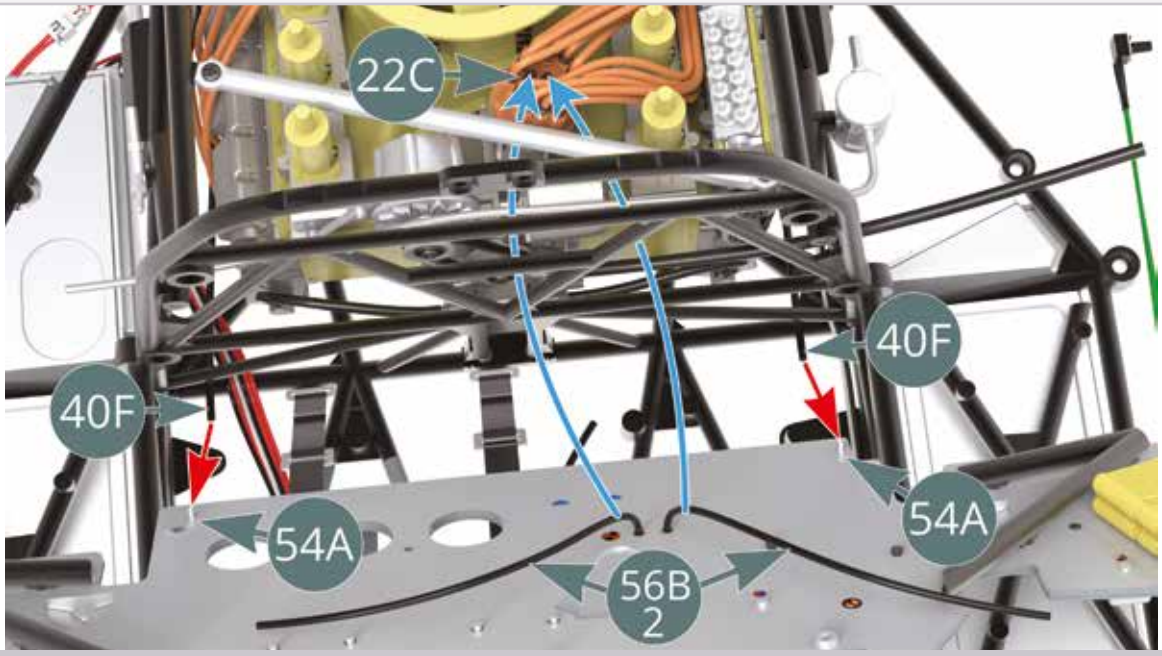


STEP 11



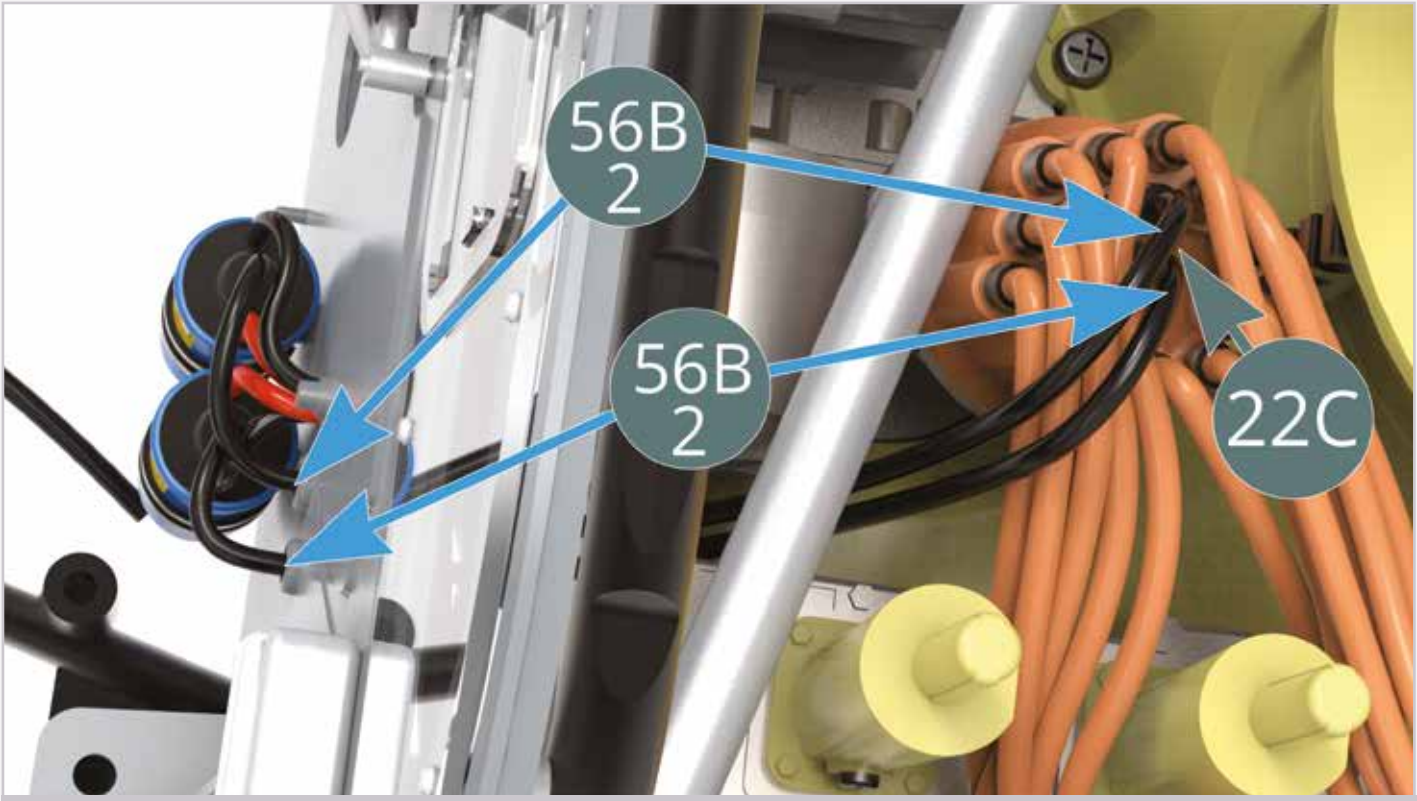
Start aligning Cockpit partition to its place on Chassis.

STEP 12



Prior to fixation of 54A Cockpit partition on Chassis, we need to connect to its both lower pins two 40F Brake lines (red arrows). Connect two 56B-2 Black cables to both remaining vacant 22C Ignition plugs, shown by blue arrows on illustration above and next page upper close up illustration.

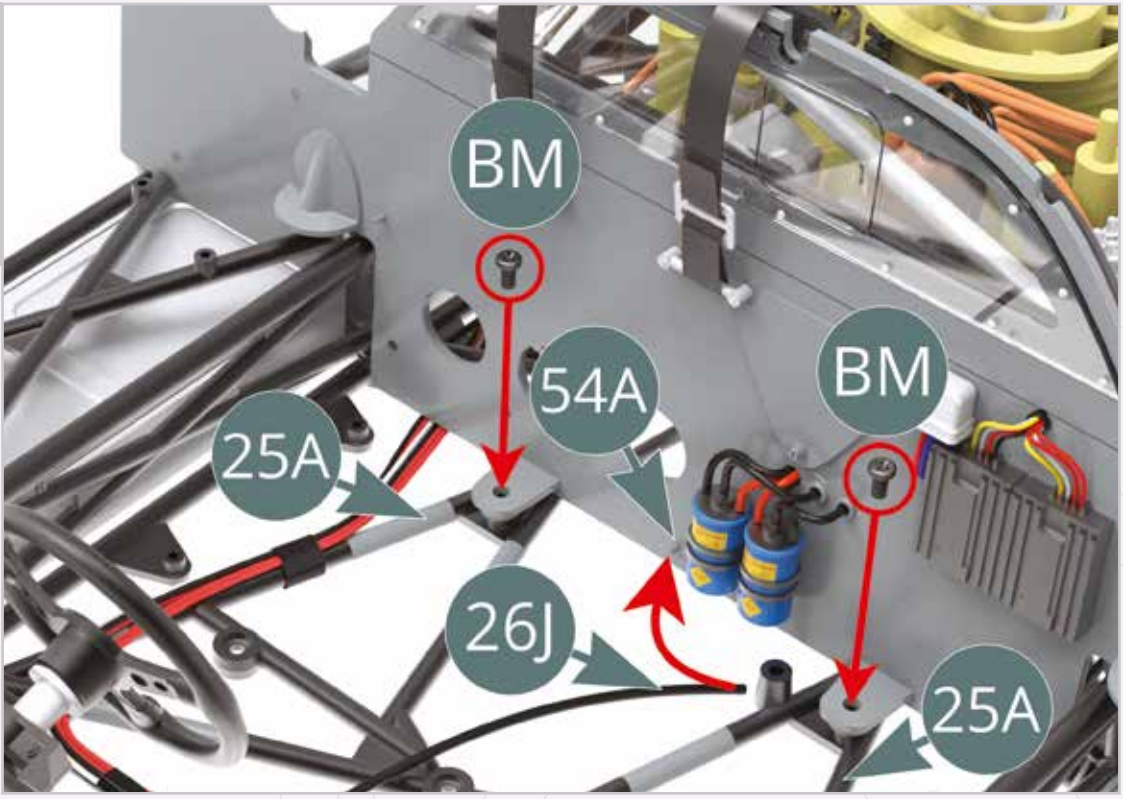
STEP 13



Two 56B-2 Black cables connect to both remaining vacant 22C Ignition plugs.

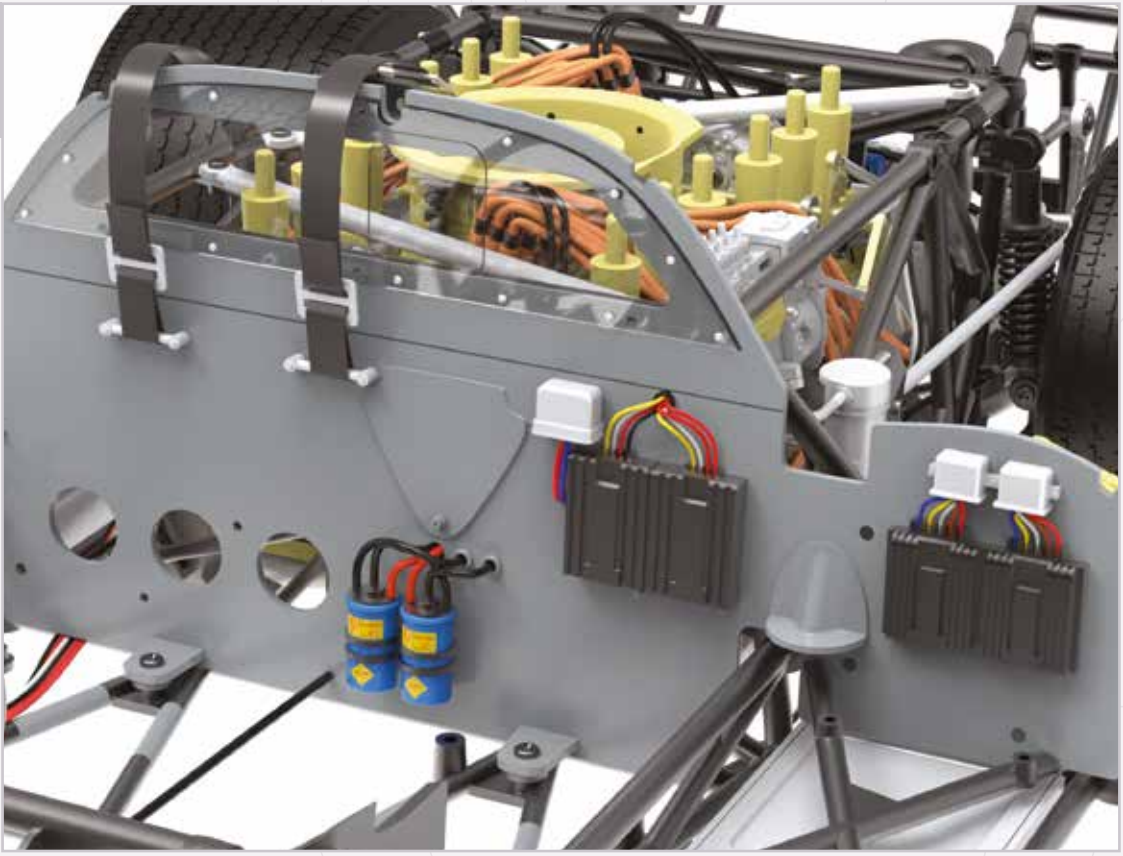
STEP 14

Fix 54A Cockpit partition to 25A Chassis frame with two BM screws. Fix 26J Clutch cord to 54A Cockpit partition pin.



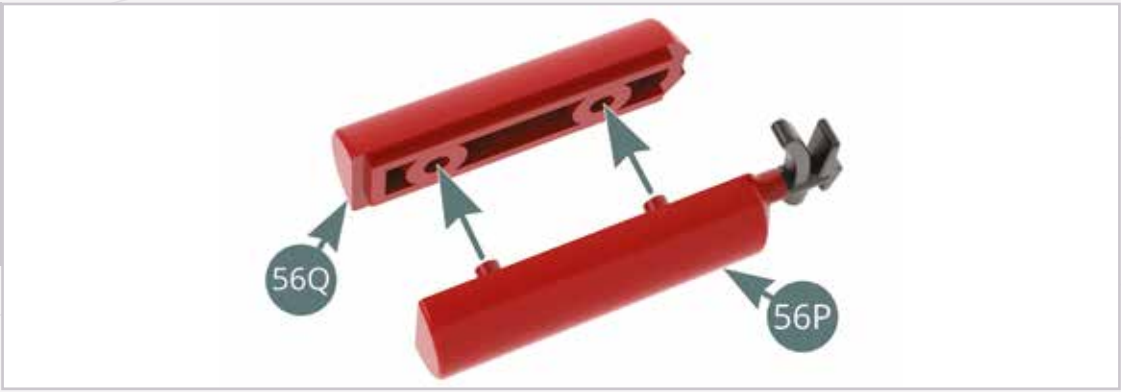
STEP 16

Cockpit partition is attached to Chassis.

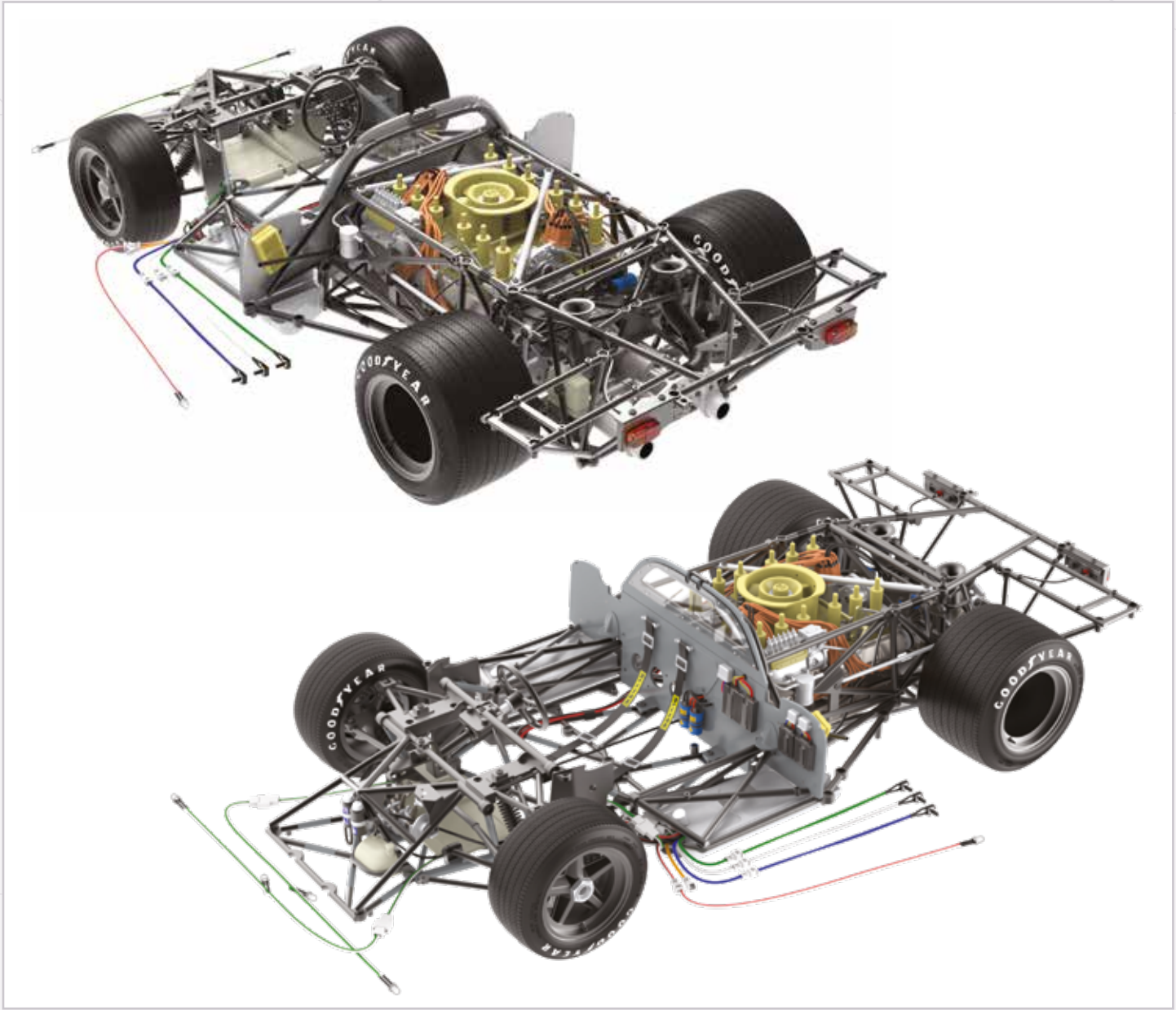


STEP 17

Put together 56P and 56Q Fire extinguisher halves. Keep assembled Fire Extinguisher and 56R Tape for later use.



GENERAL VIEW



Parts of the issue 57

57A Right trumpets panel

57B Trumpet cap (x6)

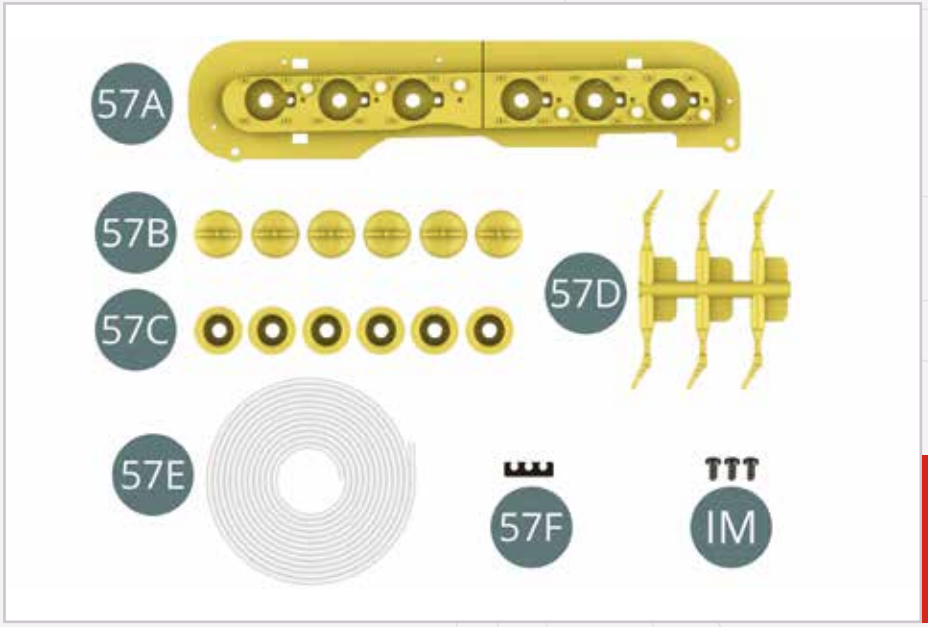
57C Trumpet flare (x6)

57D Nozzles (x6)

57E Fuel line

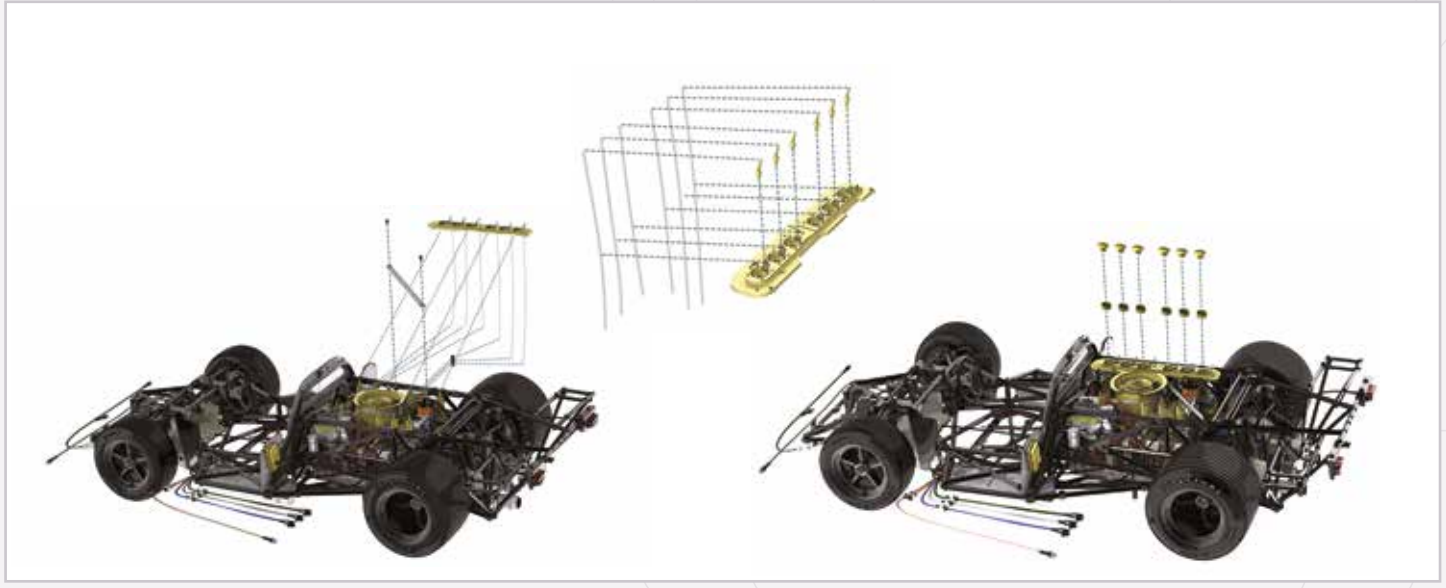
57F Spacer bar

IM M1,7 x3,5mm (x3)



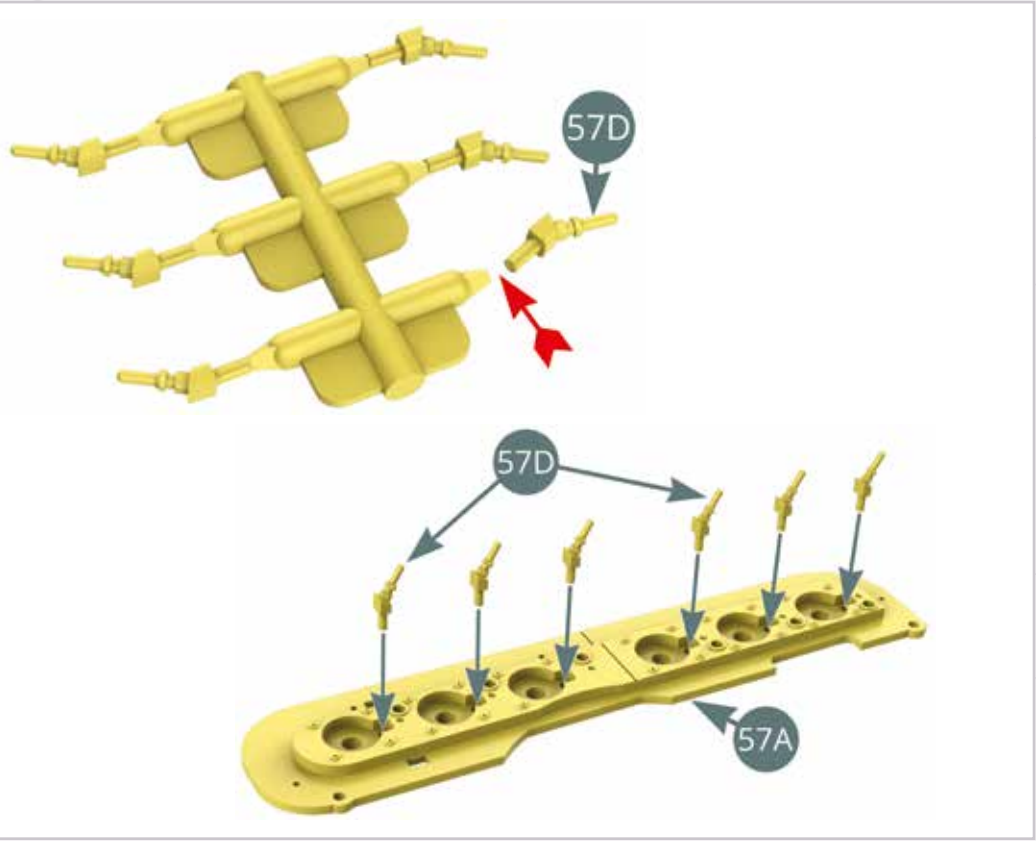
Right Intake trumpets panel and fuel lines assembly and attachment to engine

Assembly diagram



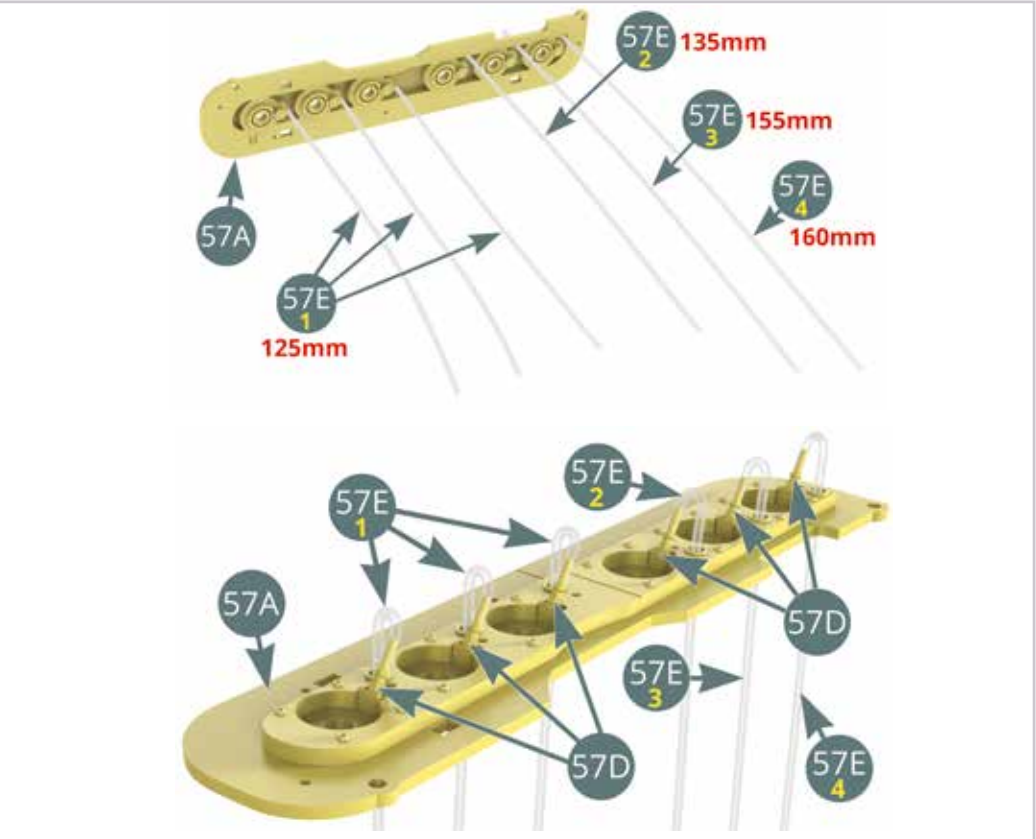
STEP 1

Nip away six 57D Nozzles from molded fret and fit them to 57A Right trumpets panel (upper and lower illustrations).



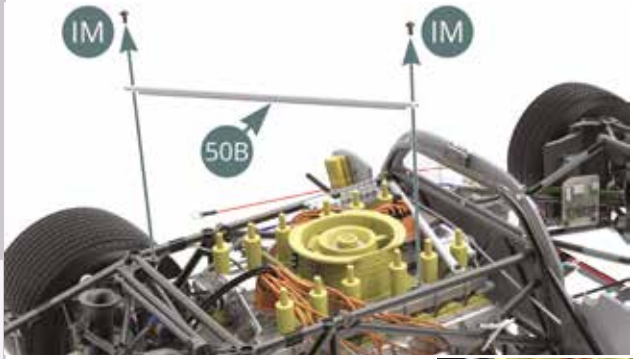
STEP 2

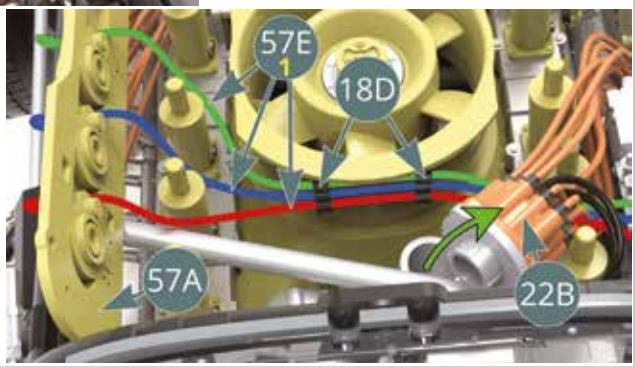
Cut 57E Fuel line to three 57E-1 lengths and 57E-2, 57E-3, 57E-4 lengths, passing them through 57A Right trumpets panel and fitting on six respective 57D Nozzles (upper and lower illustrations).



STEP 3

Undo two IM screws and remove 50B Brace. Carefully lift up 22B Distributor head to gain access to pass 57E-1 Fuel lines through two 18D Spacer bars.

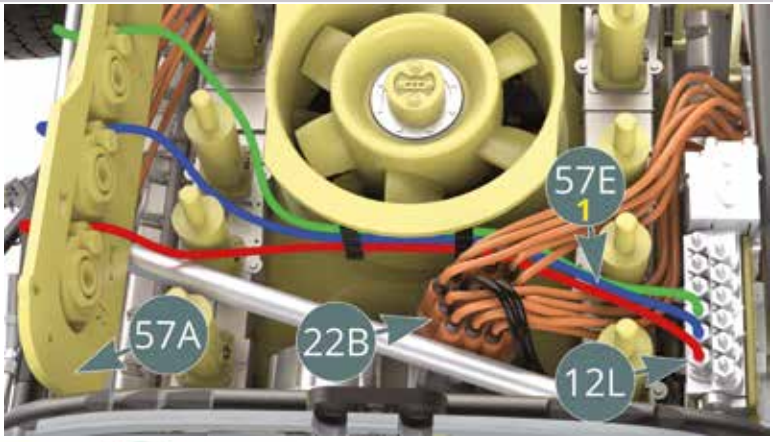


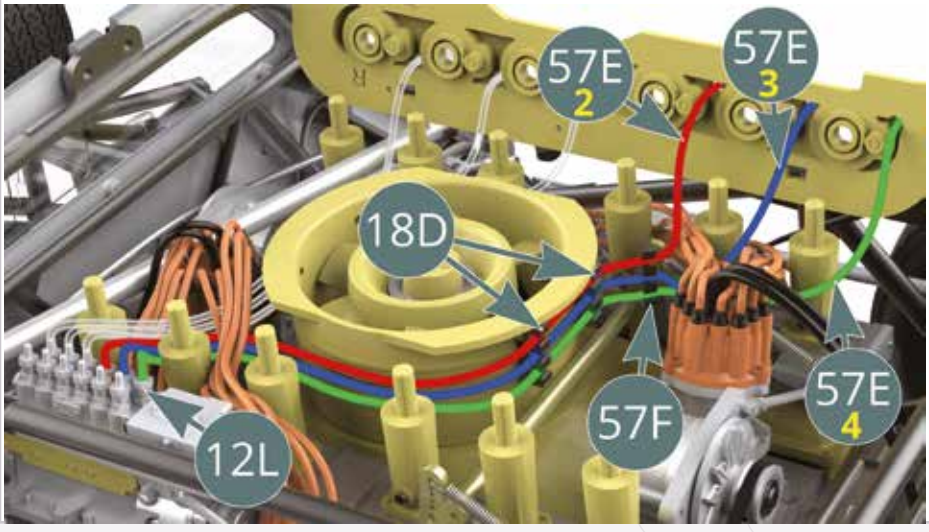


Observe the order as indicated by red, blue and green colors.

STEP 4

Fit back 22B Distributor head. Fit three 57E-1 Fuel lines to three 12L Injector nozzles of the inner row. Observe red, blue, green indicated order.

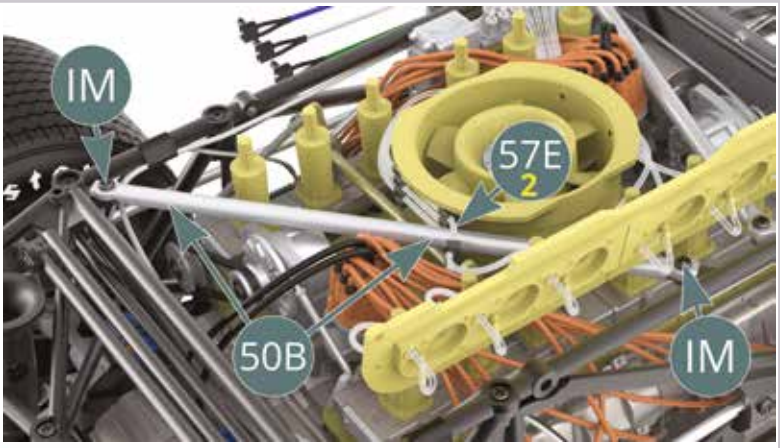


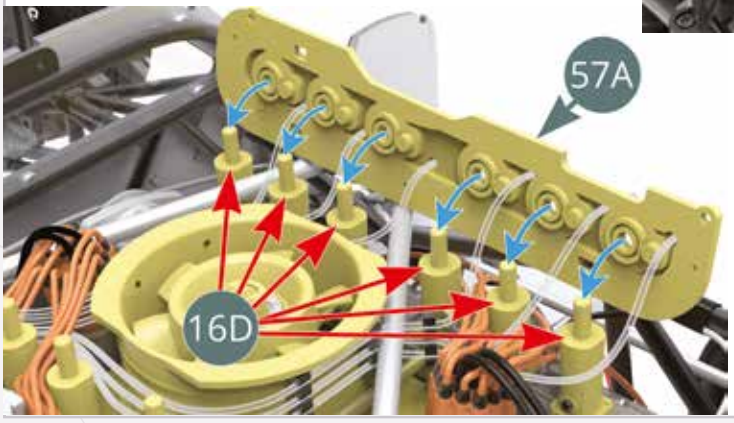


Pass 57E-2, 57E-3 and 57E-4 Fuel lines through 57F and two 18D Spacer bars and fit on inner row three 12L Injector nozzles. Observe red, blue, green indicated order.

STEP 5

Fit back 50B Brace, passing it under topmost 57E-2 Fuel line, and fix with two IM screws to engine cage.

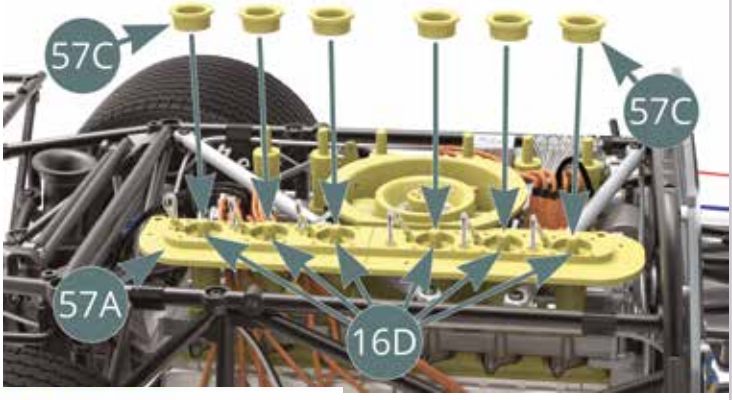


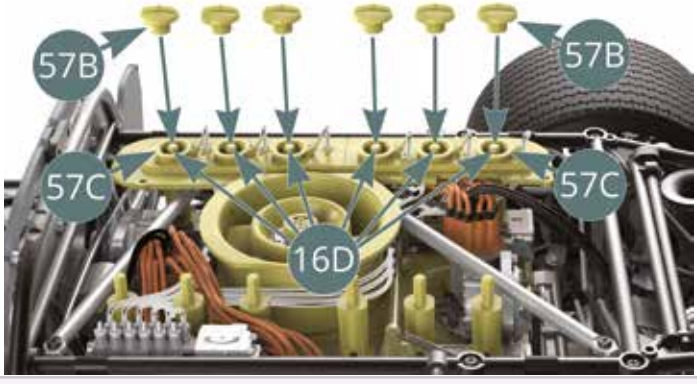


Make sure there are no wires crossing tops of 16D Intake trumpets (red arrows) and fit 57A Right trumpets panel on them.

STEP 6

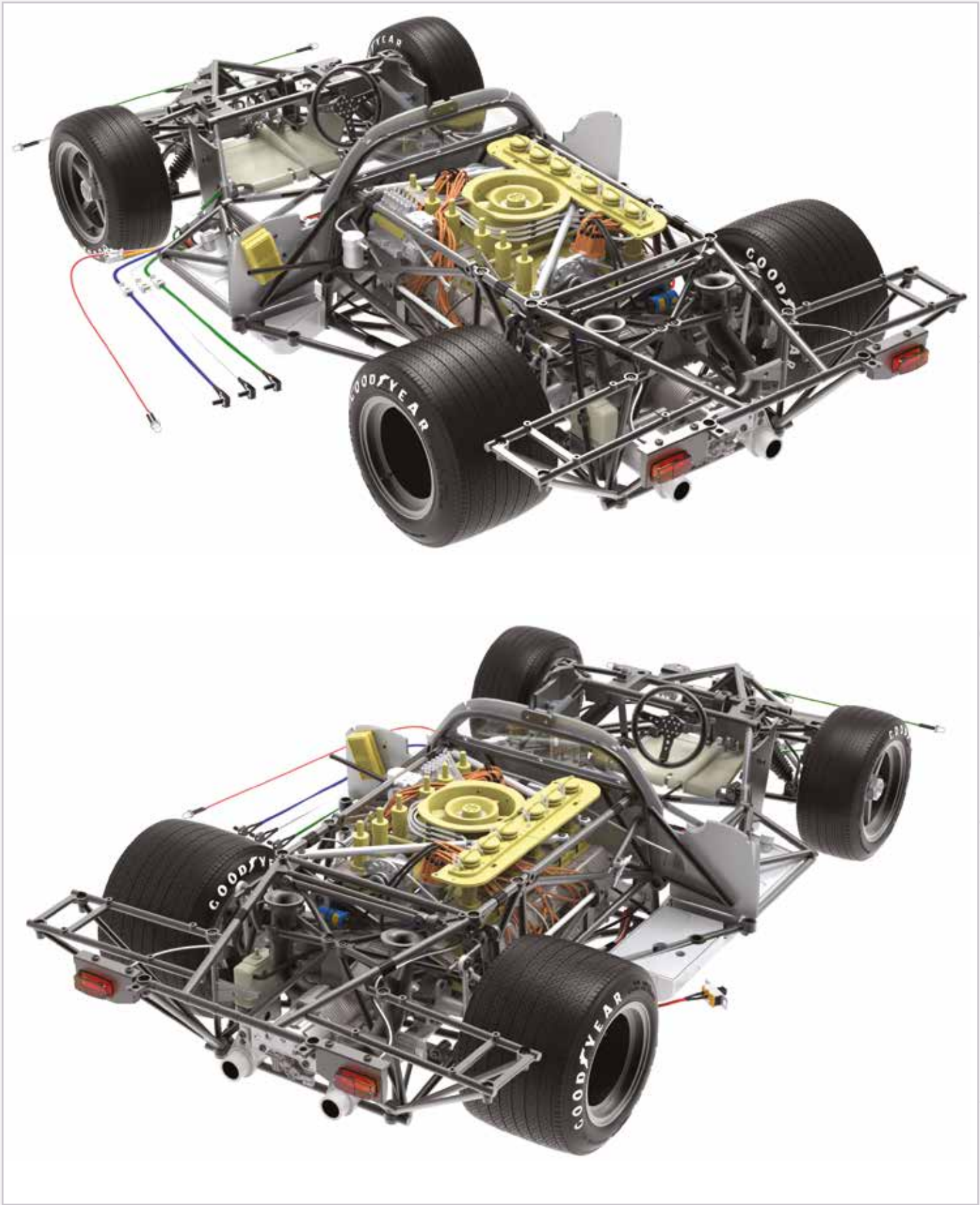
Fit six 57C Trumpet flares on 16D Intake trumpets and 57A Right trumpets panel.





Fit six 57B Trumpet caps to 16D Intake trumpets over 57C Trumpet flares.

General view



Parts of the issue 58

58A Left trumpets panel

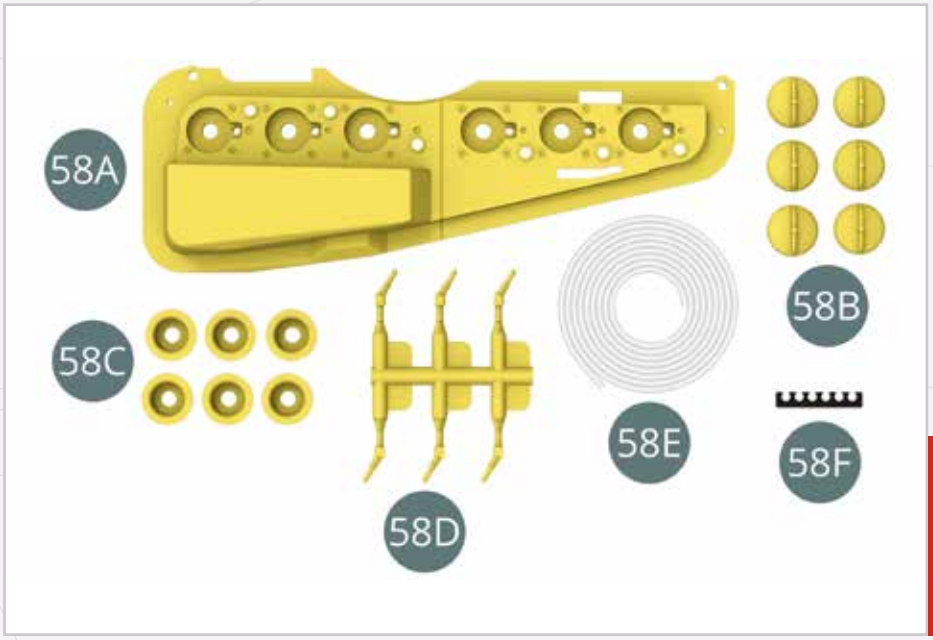
58B Trumpet cap (x6)

58C Trumpet flare (x6)

58D Nozzles (x6)

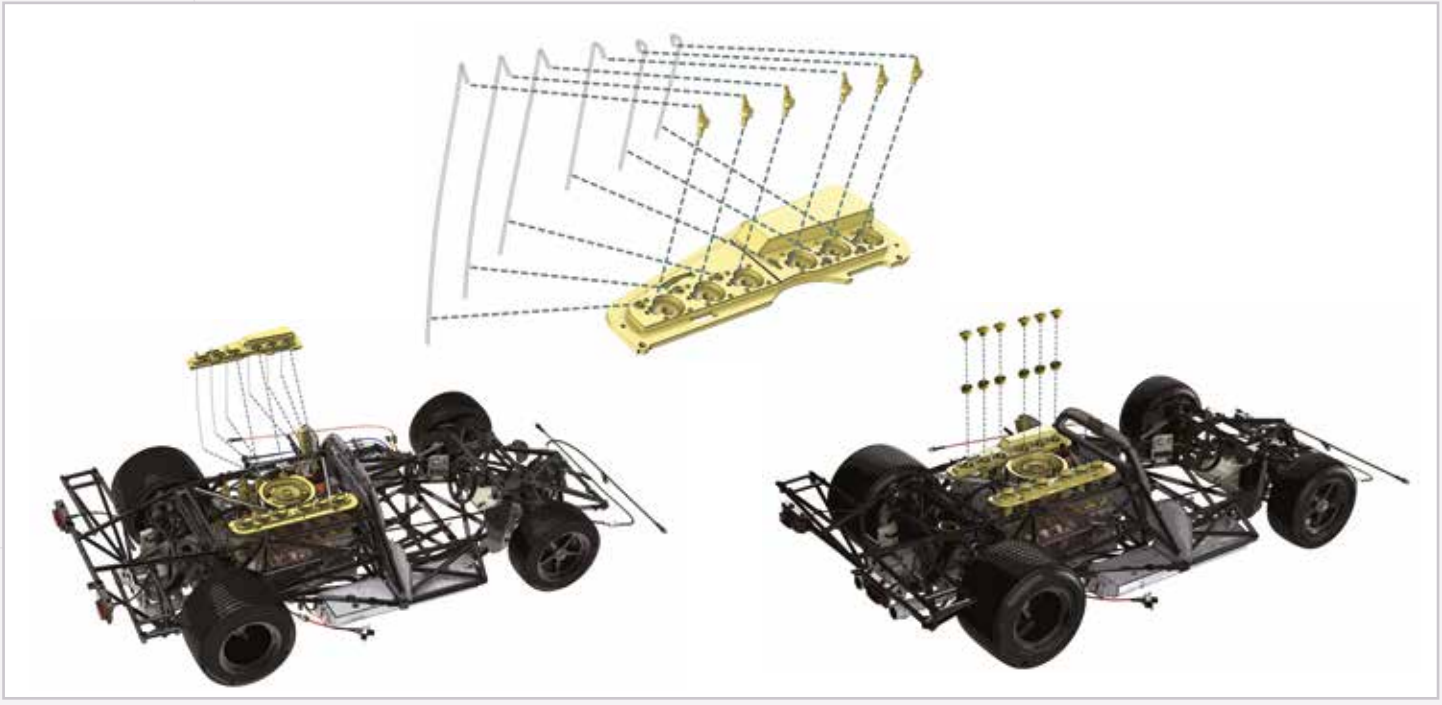
58E Fuel line

58F Spacer bar



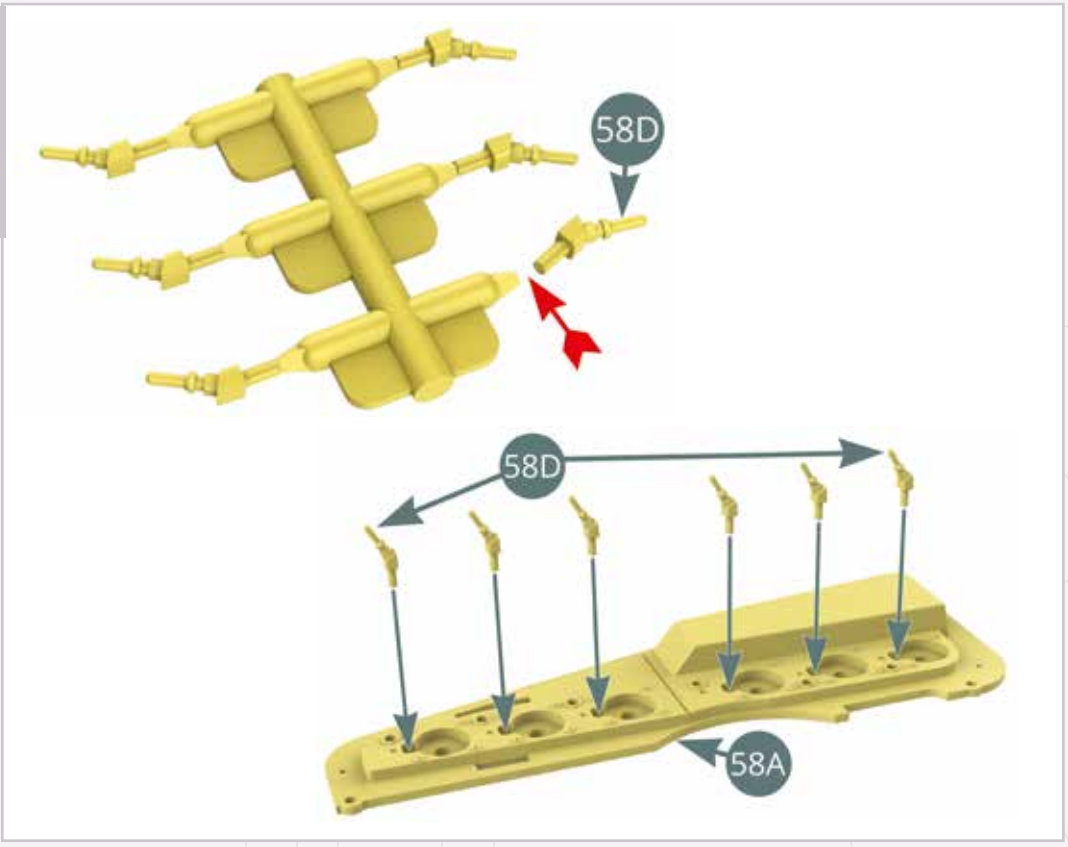
Left Intake trumpets panel and fuel lines assembly and attachment to engine

Assembly diagram



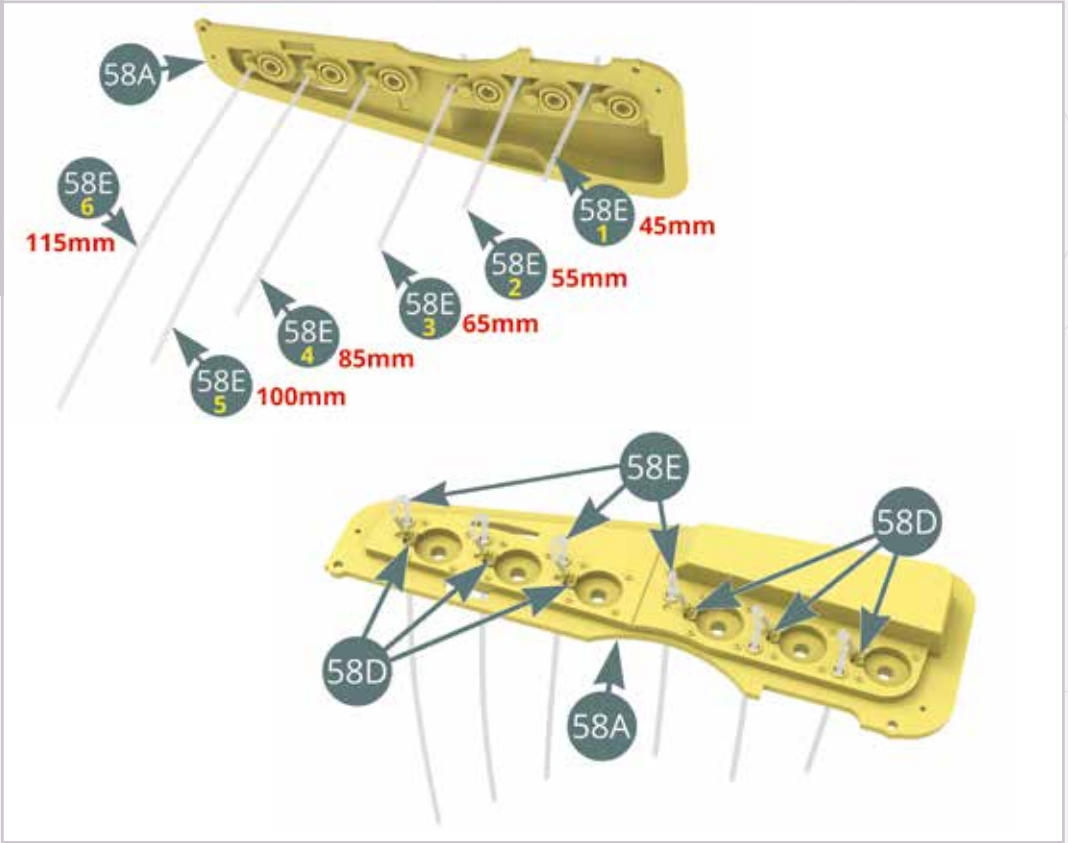
STEP 1

Nip away six 58D Nozzles from molded fret and fit them to 58A Left trumpets panel (upper and lower illustrations).



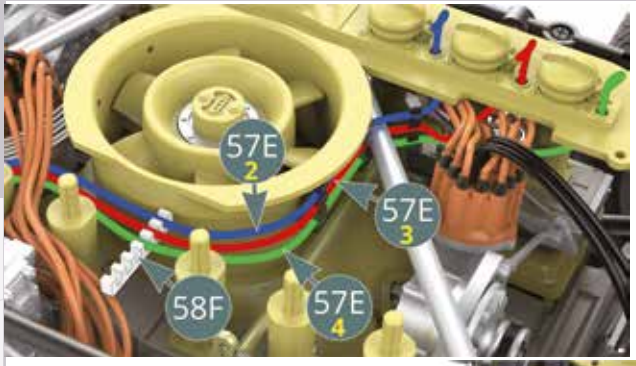
STEP 2

Cut 58E Fuel line to 58E-1, 58E-2, 58E-3, 57E-4, 57E-5, 57E-6 lengths, passing them through 58A Left trumpets panel and fitting on six respective 58D Nozzles (upper and lower illustrations).

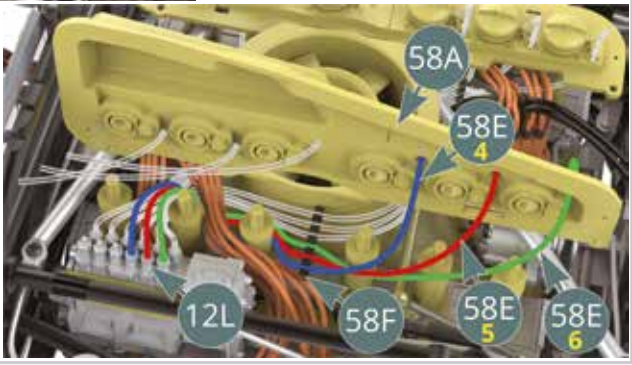


STEP 3

Pass 57E-2, 57E-3 and 57E-4 Fuel lines through 58F Spacer bar. Observe red, blue, green indicated order.

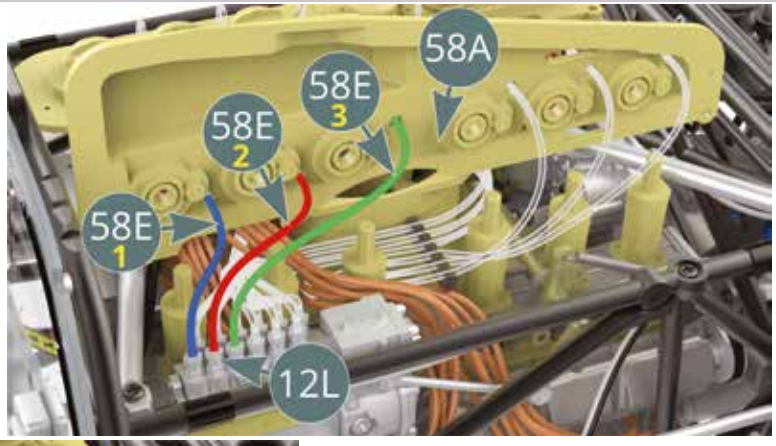


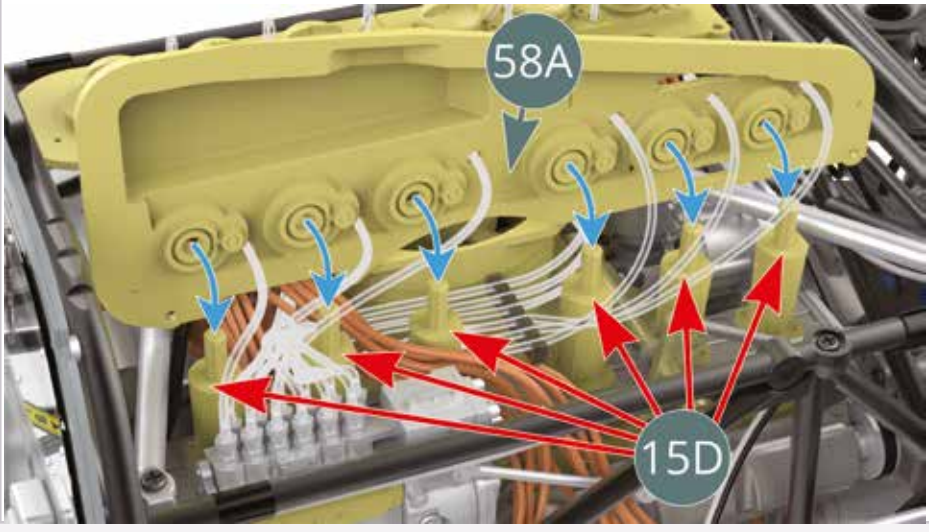
Fit three 58E-4, 58E-5 and 58E-6 Fuel lines to three 12L Injector nozzles of the outer row. Observe red, blue, green indicated order.



STEP 4

Fit three 58E-1, 58E-2 and 58E-3 Fuel lines to three 12L Injector nozzles of the outer row. Observe red, blue, green indicated order.

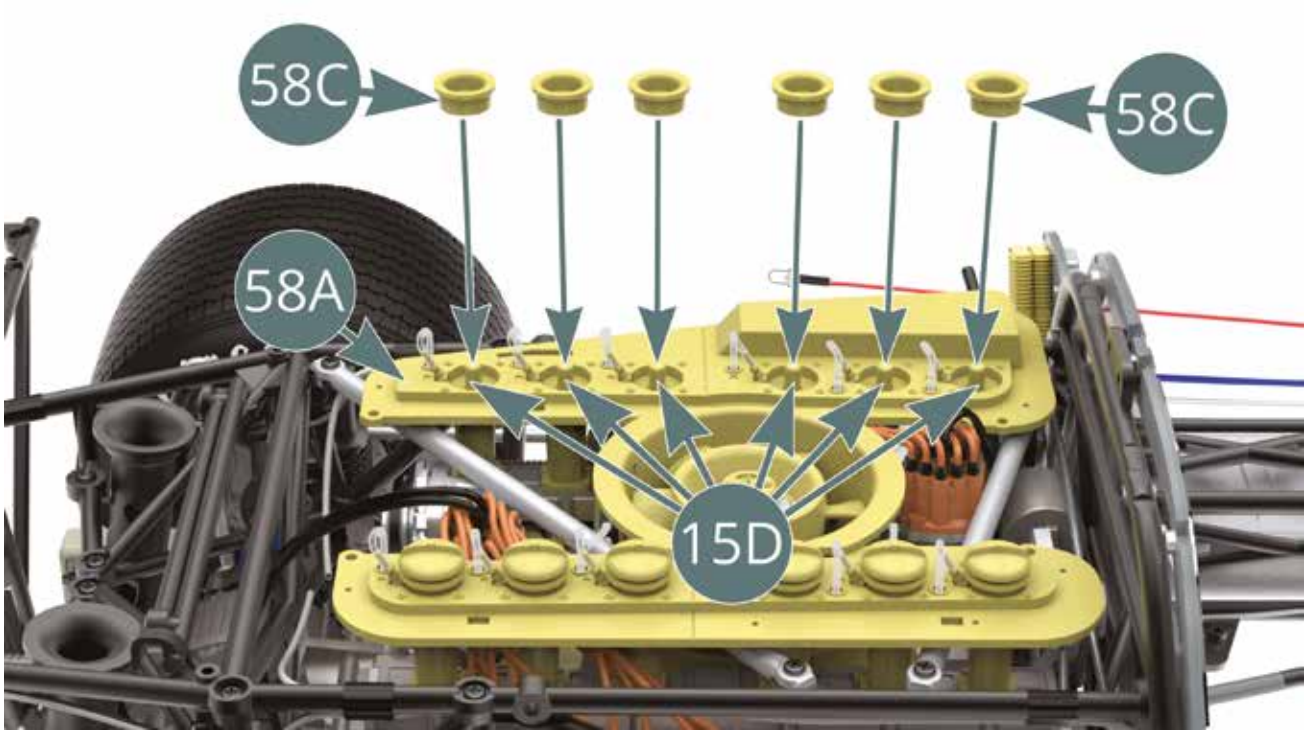


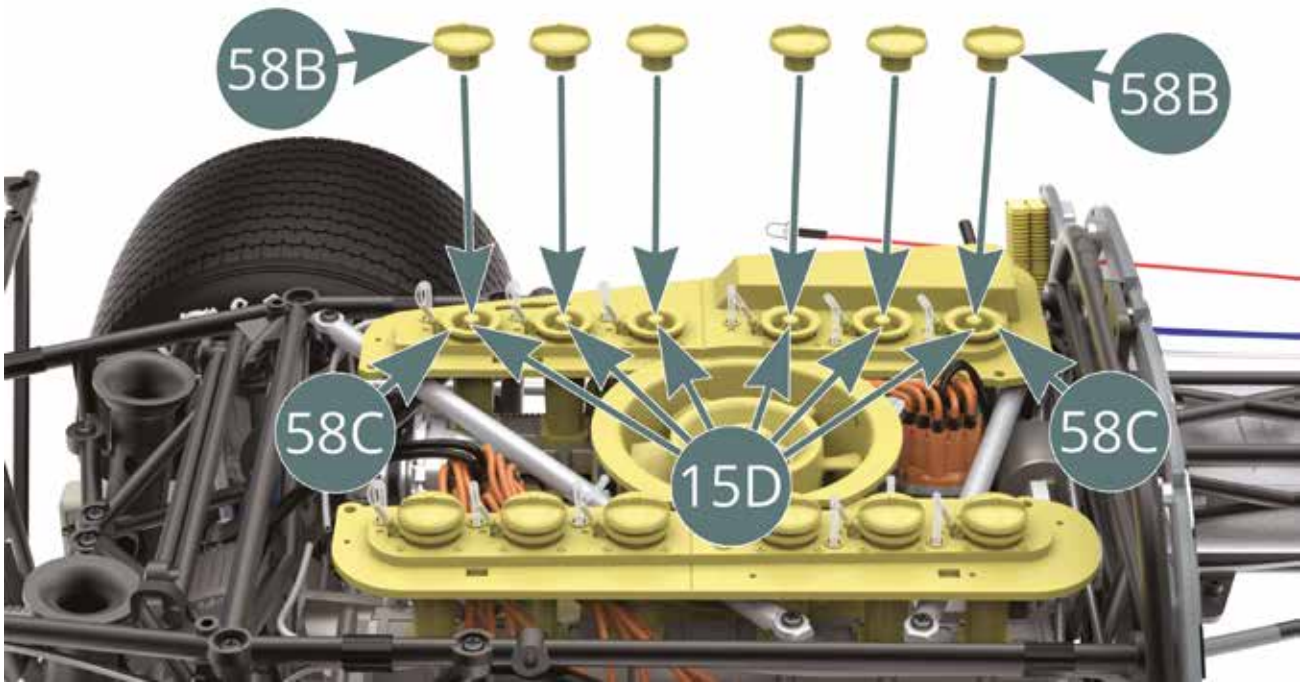


Make sure there are no wires crossing tops of 15D Intake trumpets (red arrows) and fit 58A Left trumpets panel on them.

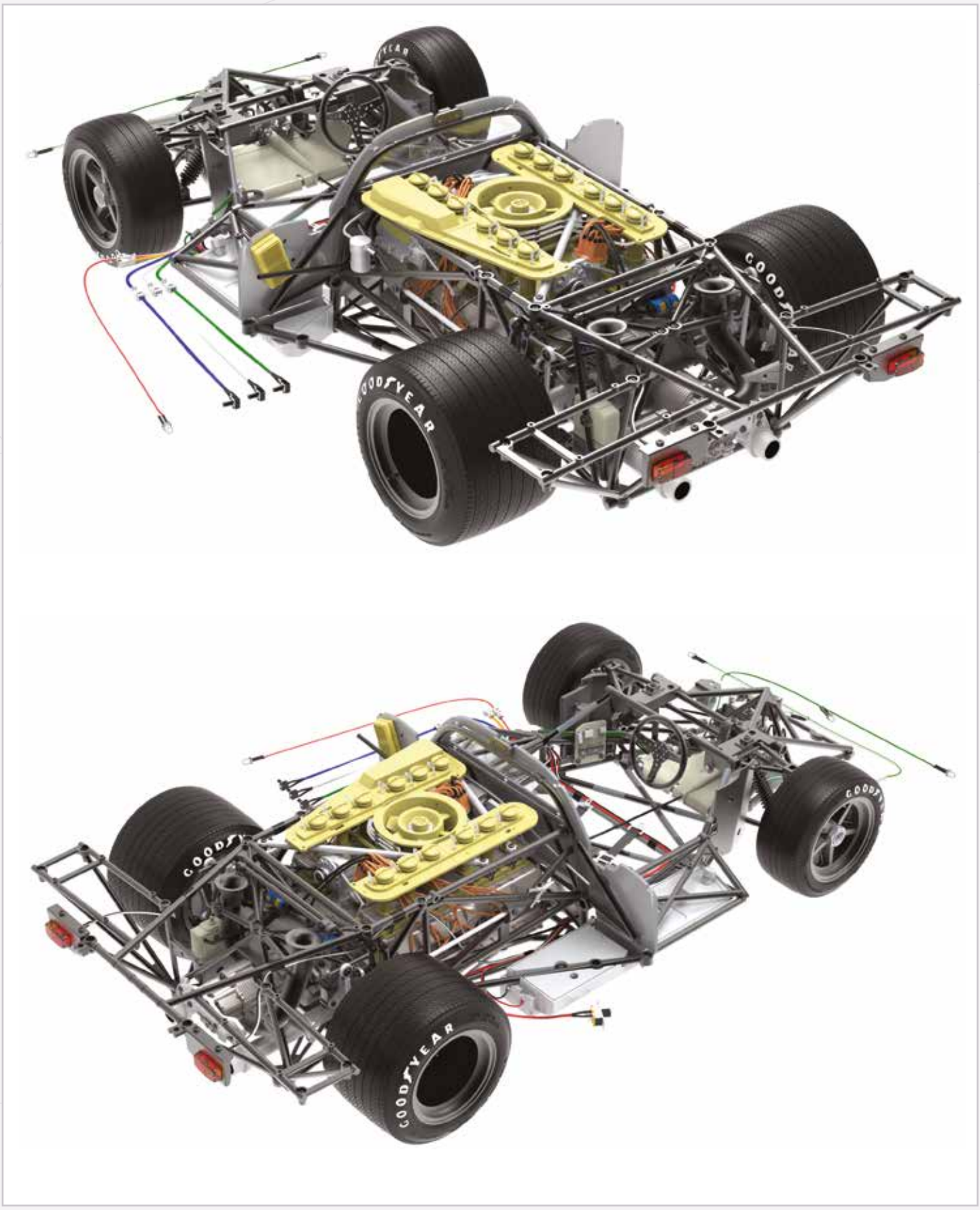
STEP 5

Fit six 58C Trumpet flares on 15D Intake trumpets and 58A Left trumpets panel.
Fit six 58B Trumpet caps to 15D Intake trumpets over 58C Trumpet flares.





General view



Parts of the issue 59

59A Left air intakes cover

59B Right air intakes cover

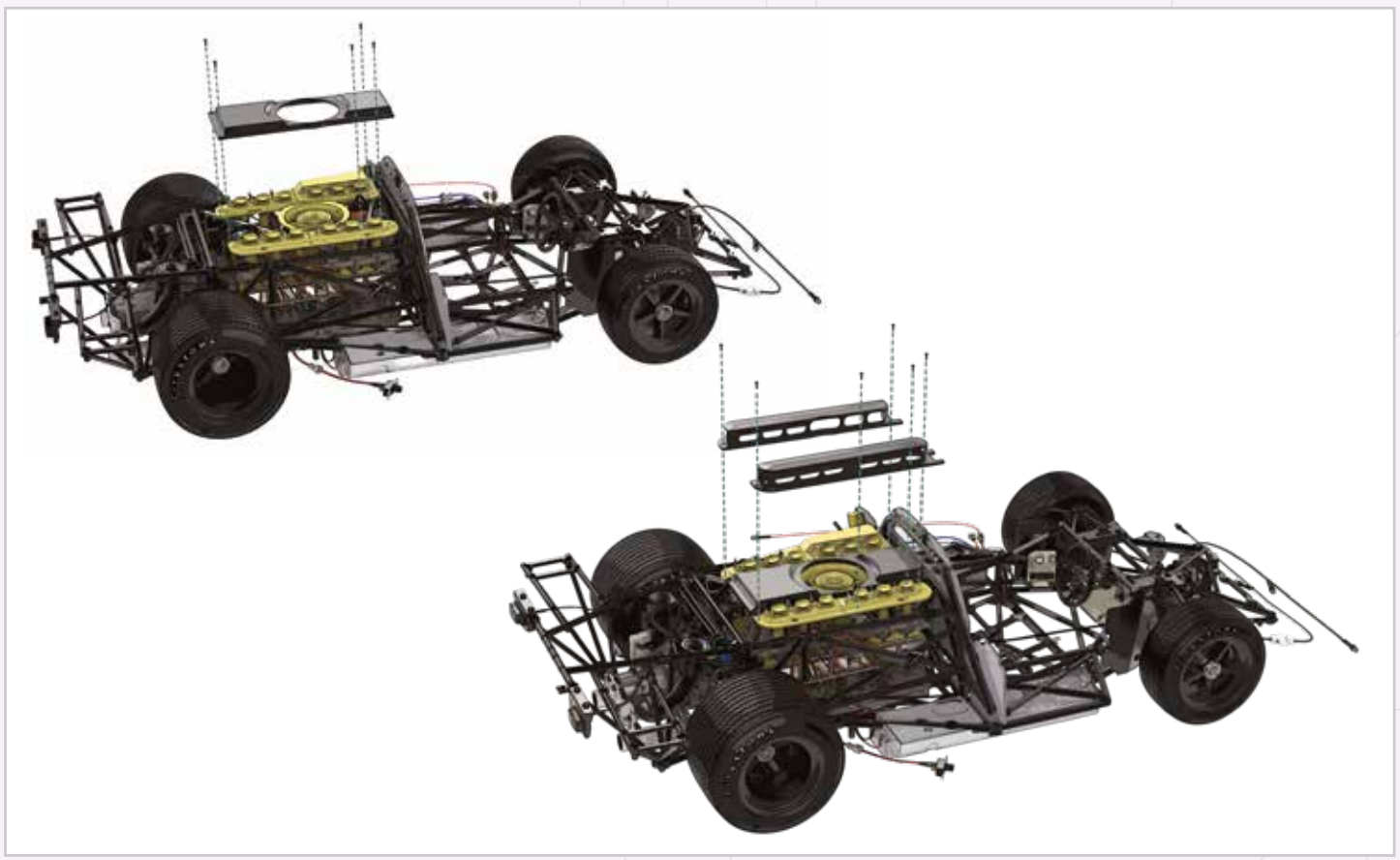
59C Engine cover

LP M1,2 x3,5mm (x13)



Engine and air intakes covers attachment

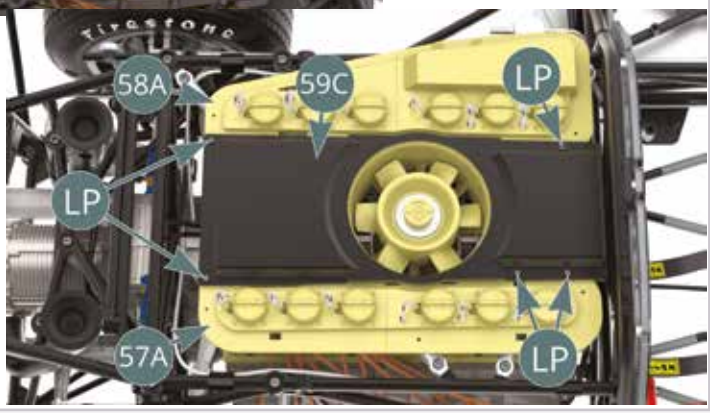
Assembly diagram



STEP 1

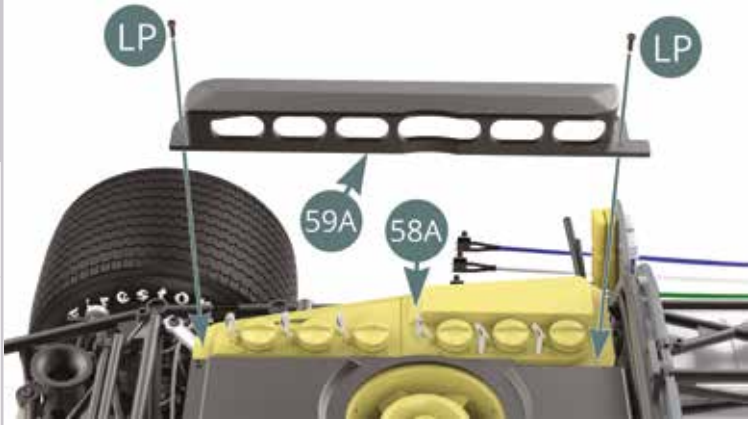
Fit 59C Engine cover (generic color is shown during assembly) to 58A Left and 57A Right trumpets panels and fix with five LP screws (upper and lower illustrations).

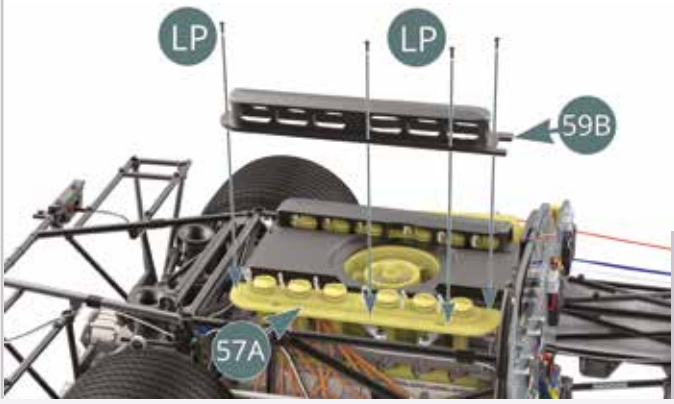




STEP 2

Fit 59A Left air intakes cover to 58A Left trumpets panel and fix with two LP screws.





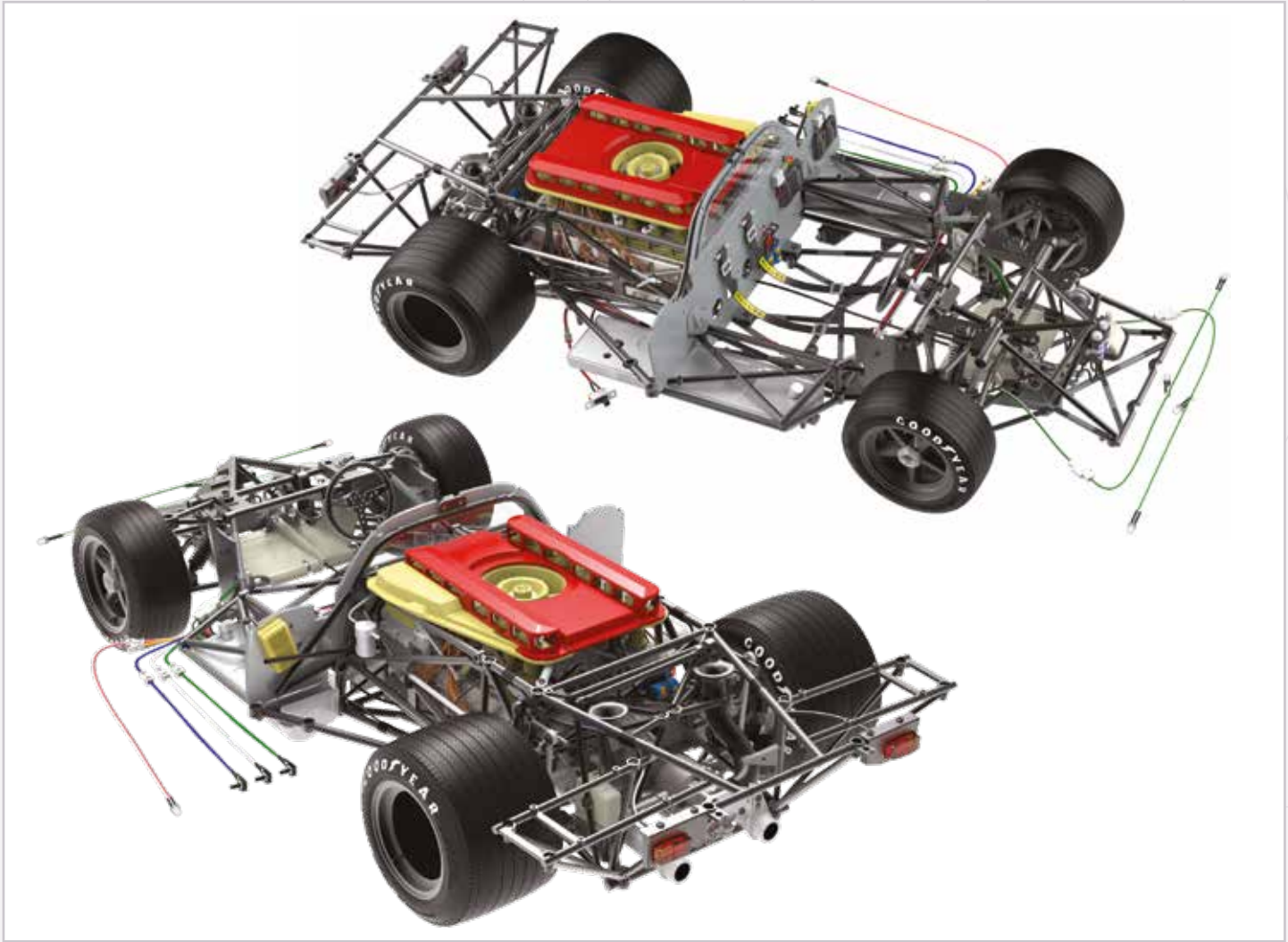
Fit 59B Right air intakes cover to 57A Right trumpets panel and fix with four LP screws.

STEP 3

All covers are attached to engine



General view



Parts of the issue 60

60A Battery box

60B Battery cover

60C Contact clamps (x2)

60D Battery lead

60E Battery lead

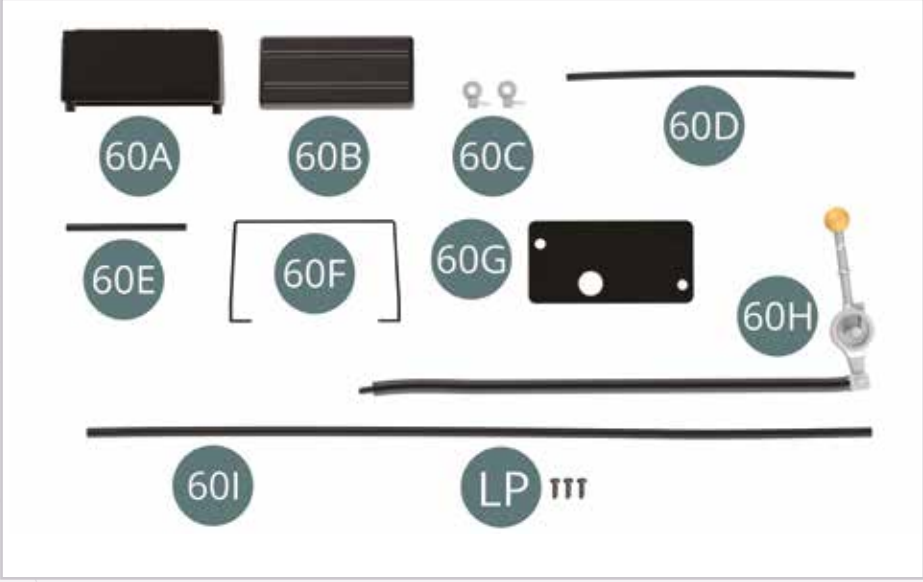
60F Clamp

60G Battery tray

60H Gear lever with linkage

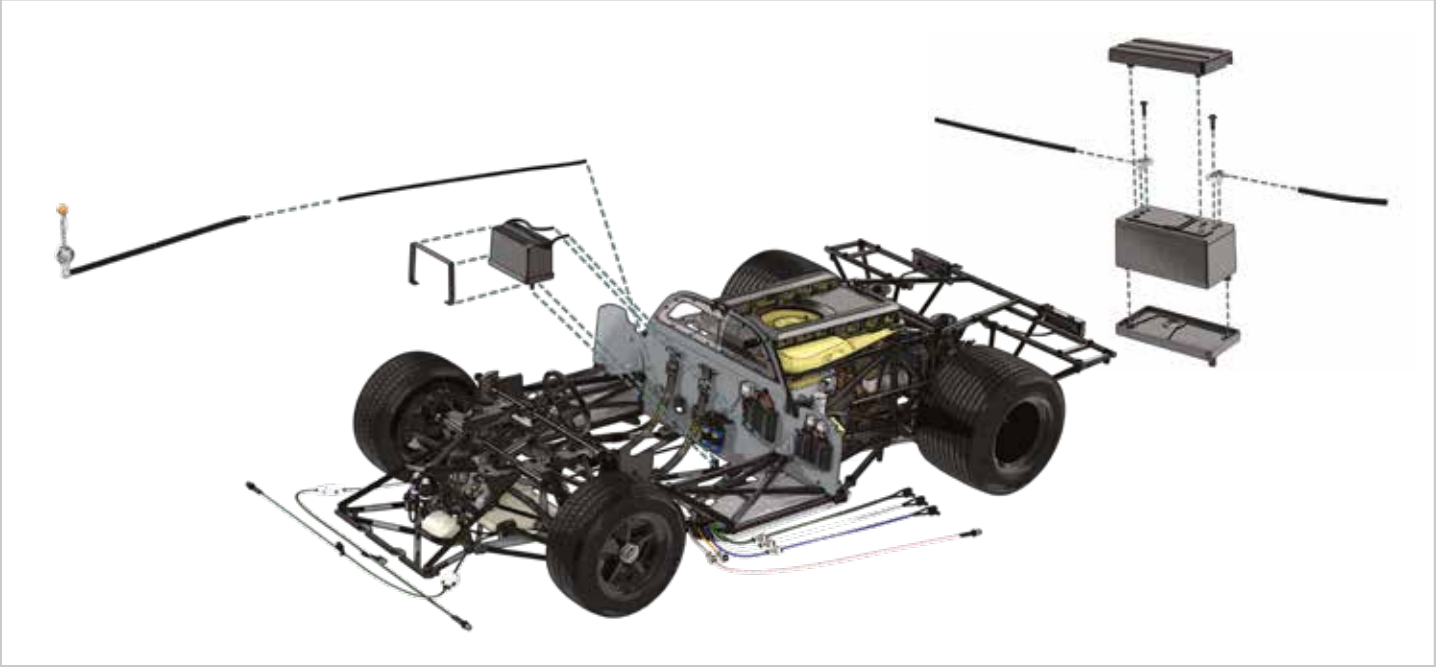
60I Gear linkage

LP M1,2 x3,5mm (x3)



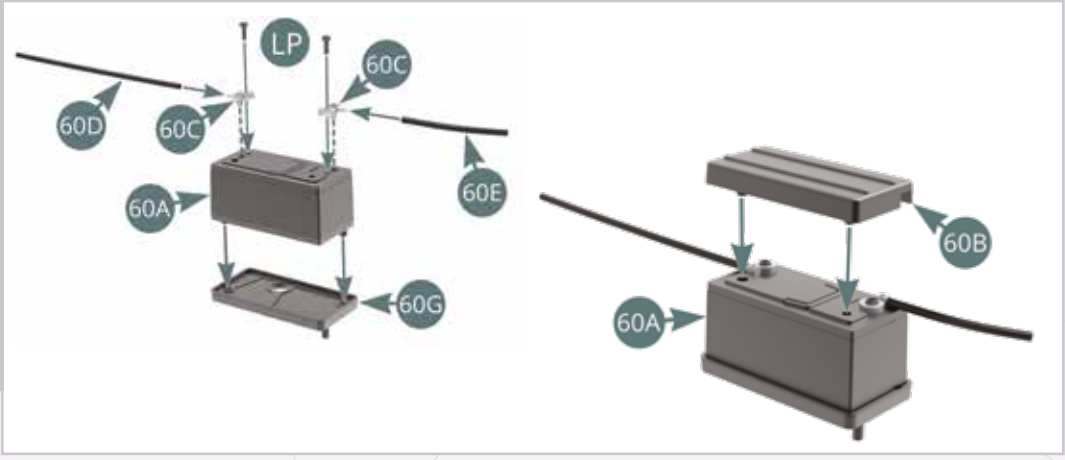
Battery and gear lever assembly and attachment

Assembly diagram



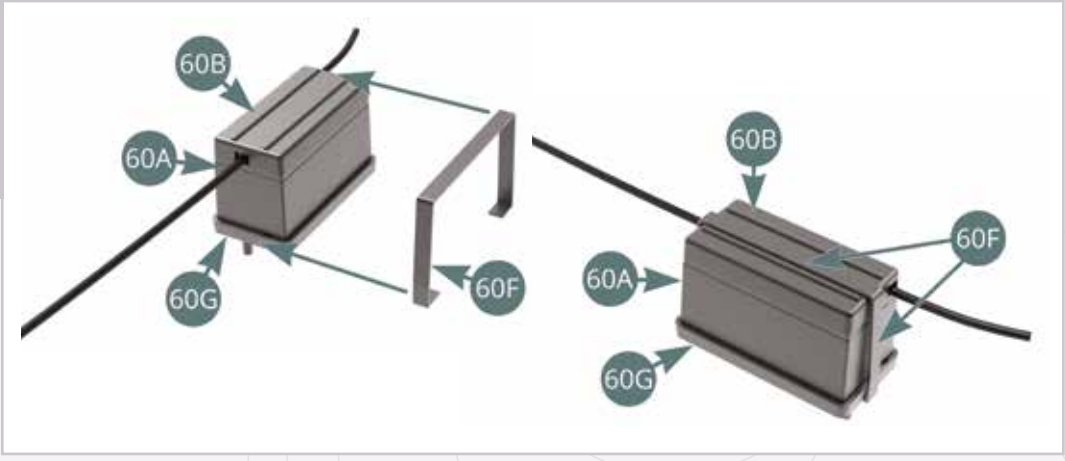
STEP 1

Fit 60D and 60E Battery leads to both 60C Contact clamps.
Fit both 60C Contact clamps to 60A Battery box and fix with two LP screws. Fit 60A Battery box to 60G Battery tray. Fit 60B Battery cover to 60A Battery box.



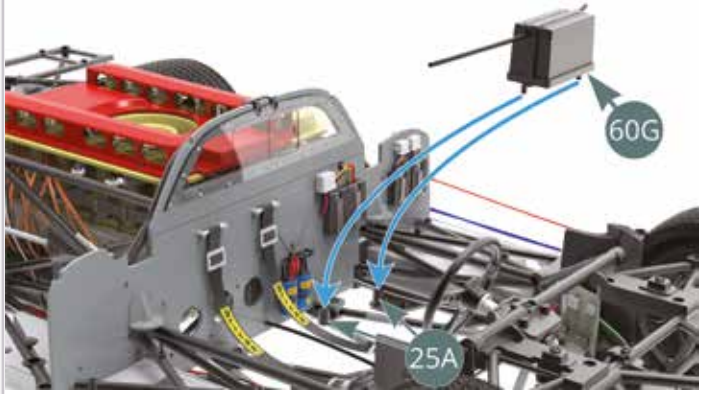
STEP 2

Fit 60F Clamp over 60B Battery cover, 60A Battery box and 60G Battery tray (left and right illustrations).



STEP 3

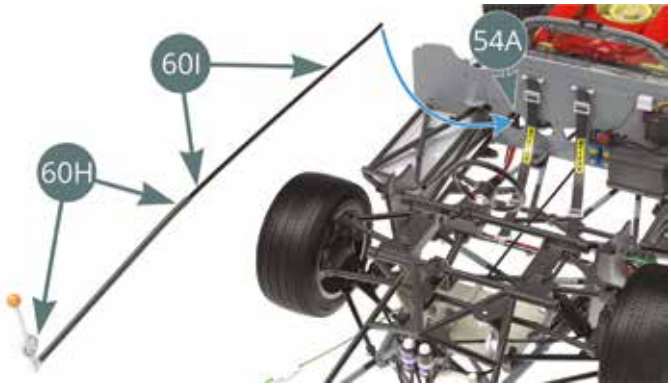
Fit 60G Battery tray by its two pins to 25A Chassis frame. Attach 60D and 60E Battery leads to pins on 54A Cockpit partition just under 56K Spark box.

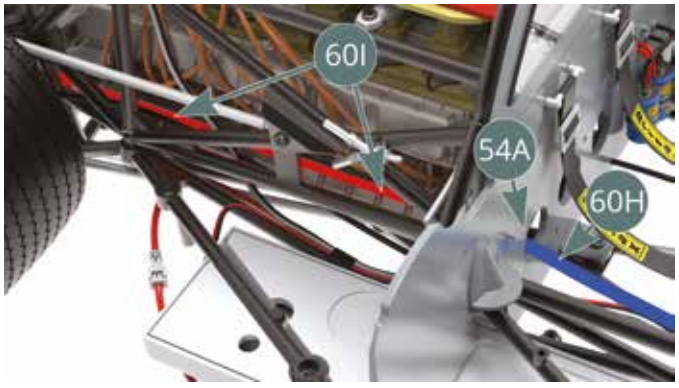




STEP 4

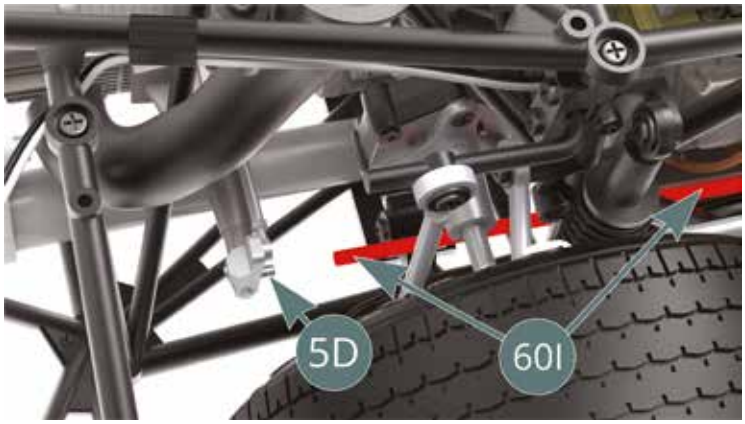
Connect 60H Gear lever linkage with 60I Linkage and pass through 54A Cockpit partition opening (upper and lower illustrations).

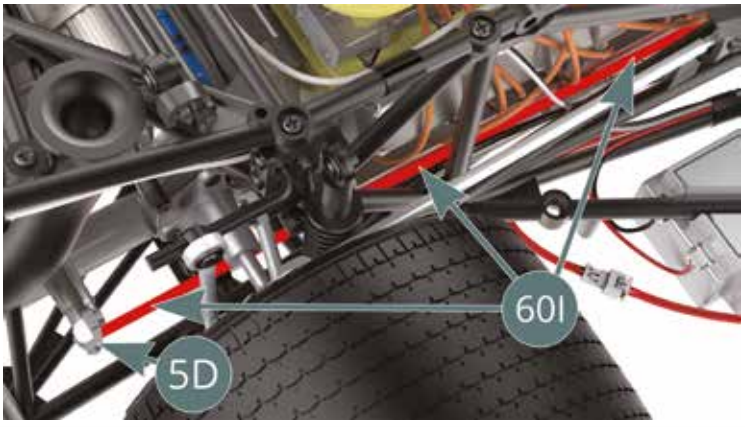




STEP 5

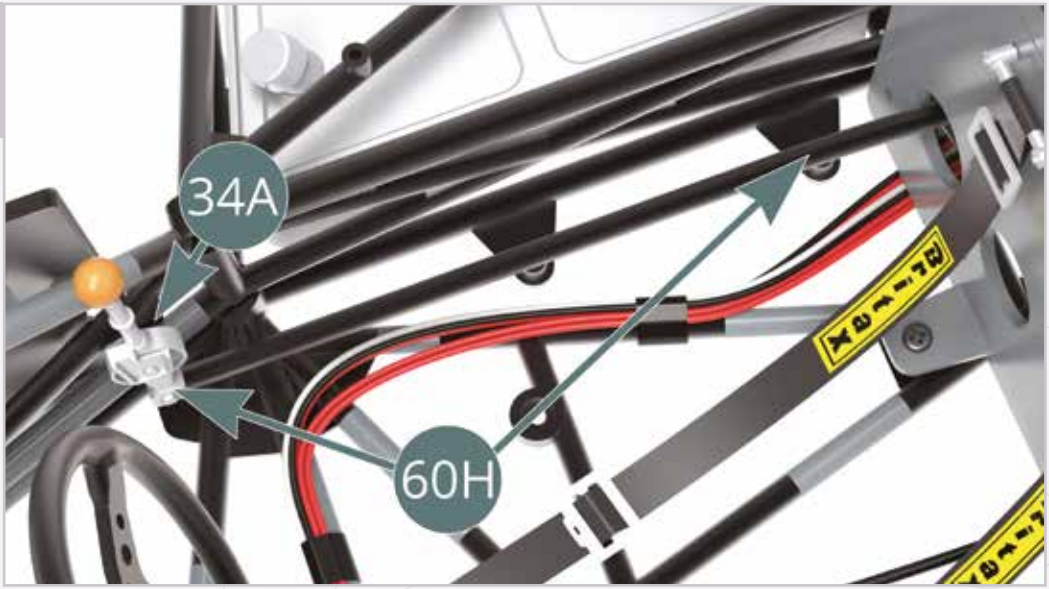
Lead and connect 60I Gear linkage to 5D Transmission control shoe pin (upper and lower illustrations).



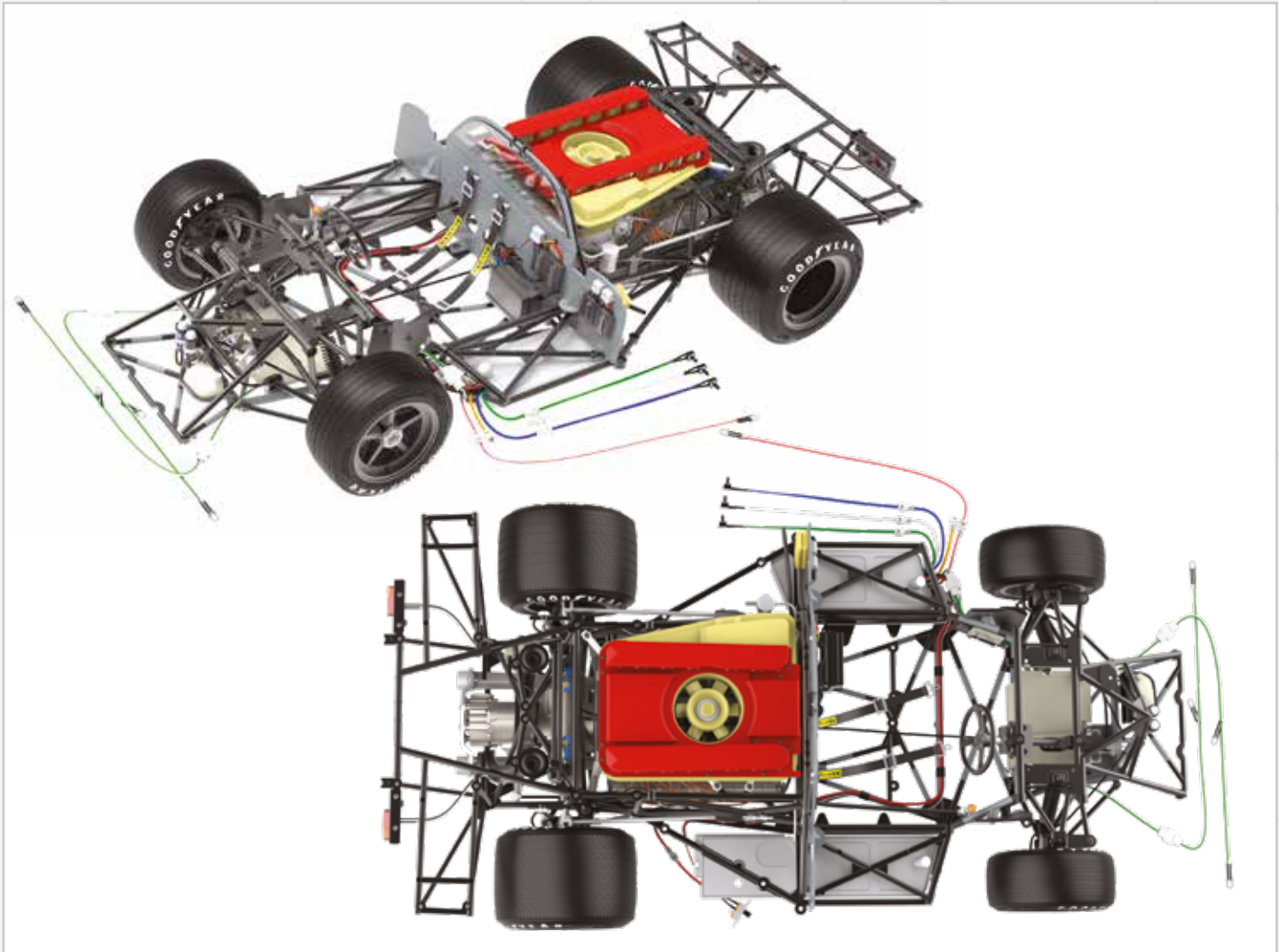


STEP 6

Fit 60H Gear lever to 34A Right side frame of Cockpit.



General view



Parts of the issue 61

61A Driver's seat upholstery

61B Driver's seat

61C Lower belt

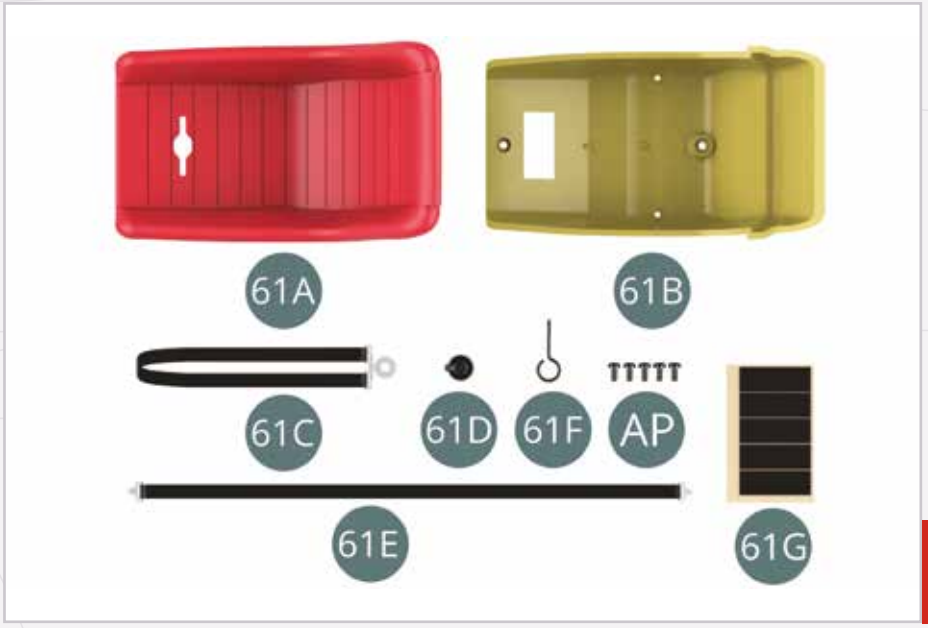
61D Lock

61E Waist belt

61F Seat adjustment lever

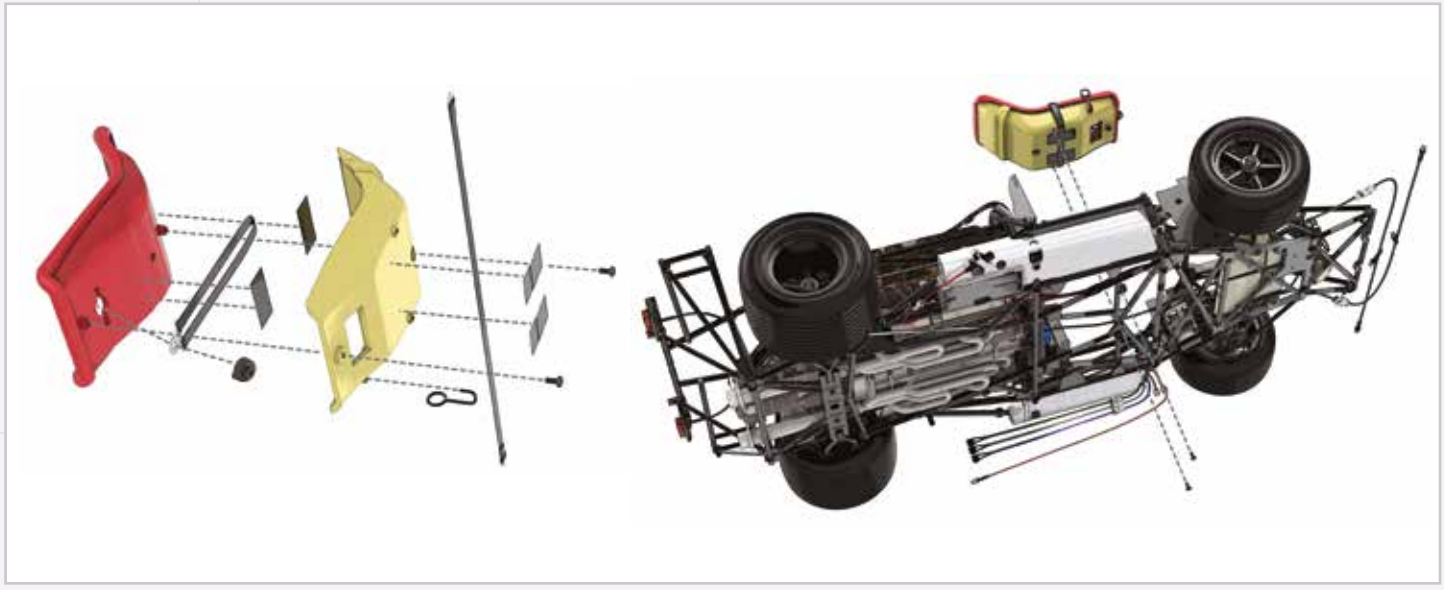
61G Tape (x5)

AP M1,7 x4mm (x5)



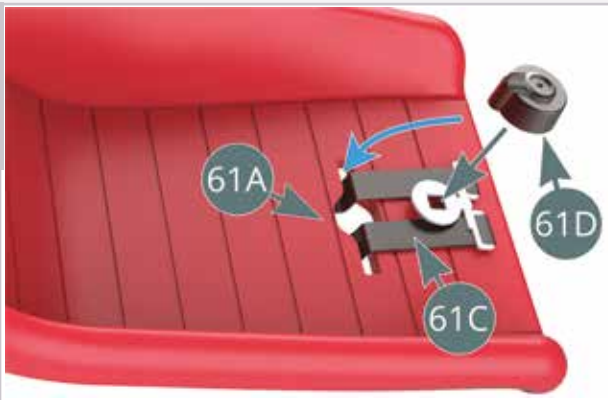
Driver's seat assembly and attachment

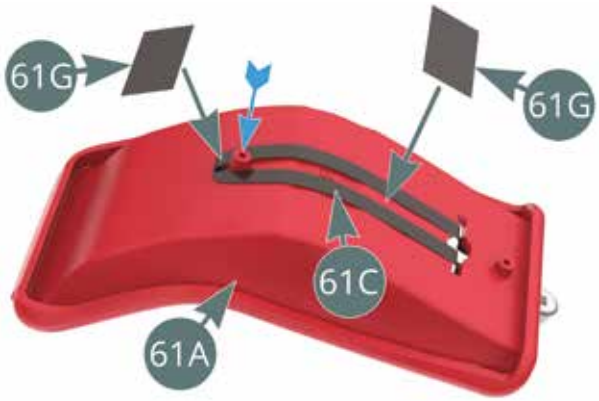
Assembly diagram



STEP 1

Pass 61C Lower belt in 61A Driver's seat upholstery slot and fit 61D Lock to its buckle.



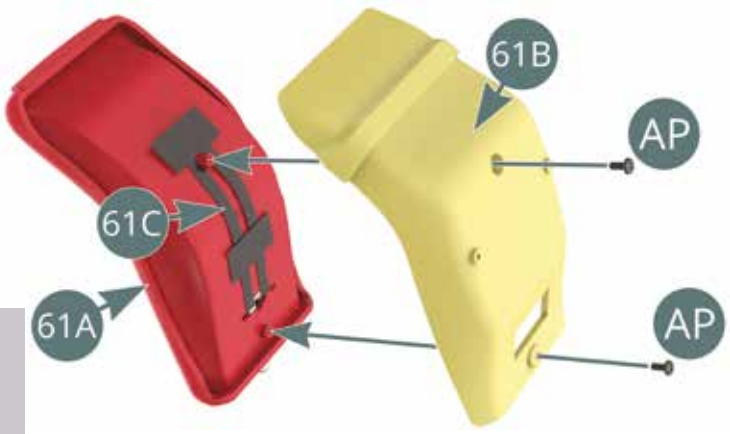


Fit 61C Lower belt loop over 61A Upholstery peg (blue arrow) and fix it with two 61G Tapes.

STEP 2

61C Lower belt with 61D Lock is attached to 61A Driver's seat upholstery.





Fit 61A Upholstery to 61B Driver's seat and fix with two AP screws.

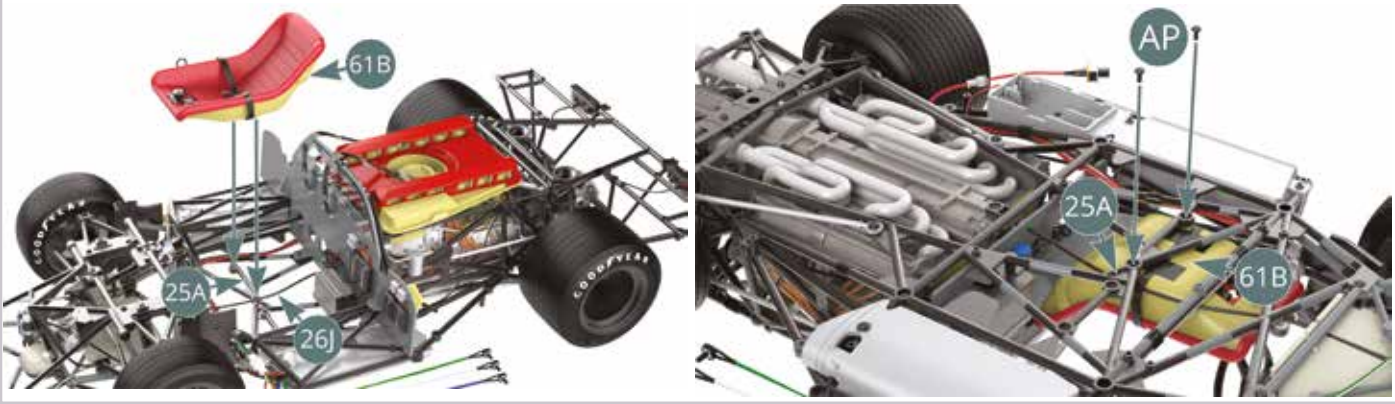
STEP 3

Position the middle of 61E Waist belt at middle of 61B Driver's seat base width and secure with two 61G Tapes. Take care to bypass two attachment pegs by some 2mm as blue arrows indicate. Fit 61F Seat adjustment lever to 61B Driver's seat base.



STEP 4

Move 26J Clutch cord a bit to left side and fit 61B Driver's seat to 25A Chassis frame. Fix 61B Driver's seat to 25A Chassis frame with two AP screws.

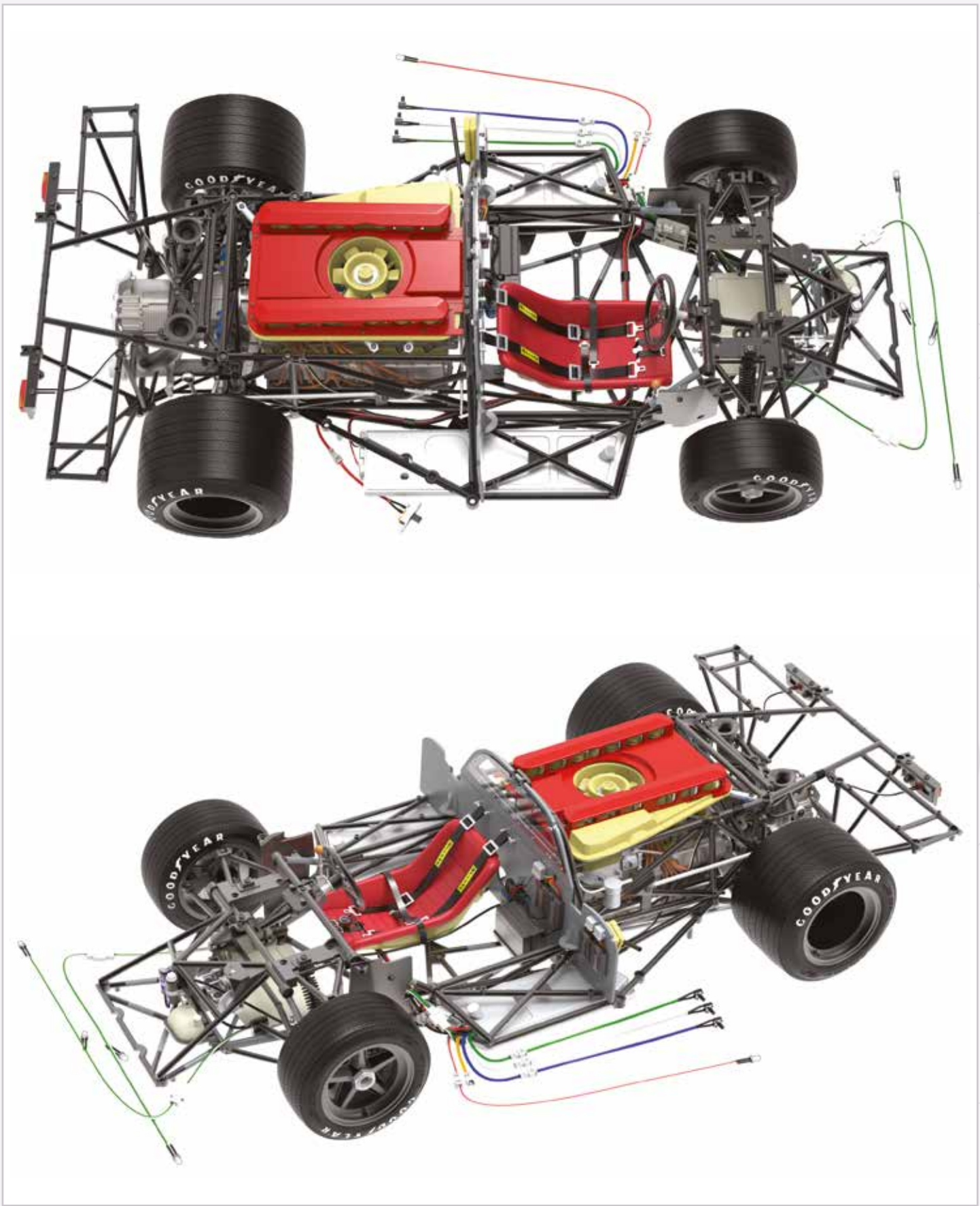


STEP 5

Driver's seat is attached to Chassis.



General view



Parts of the issue 62

62A Passenger's seat upholstery

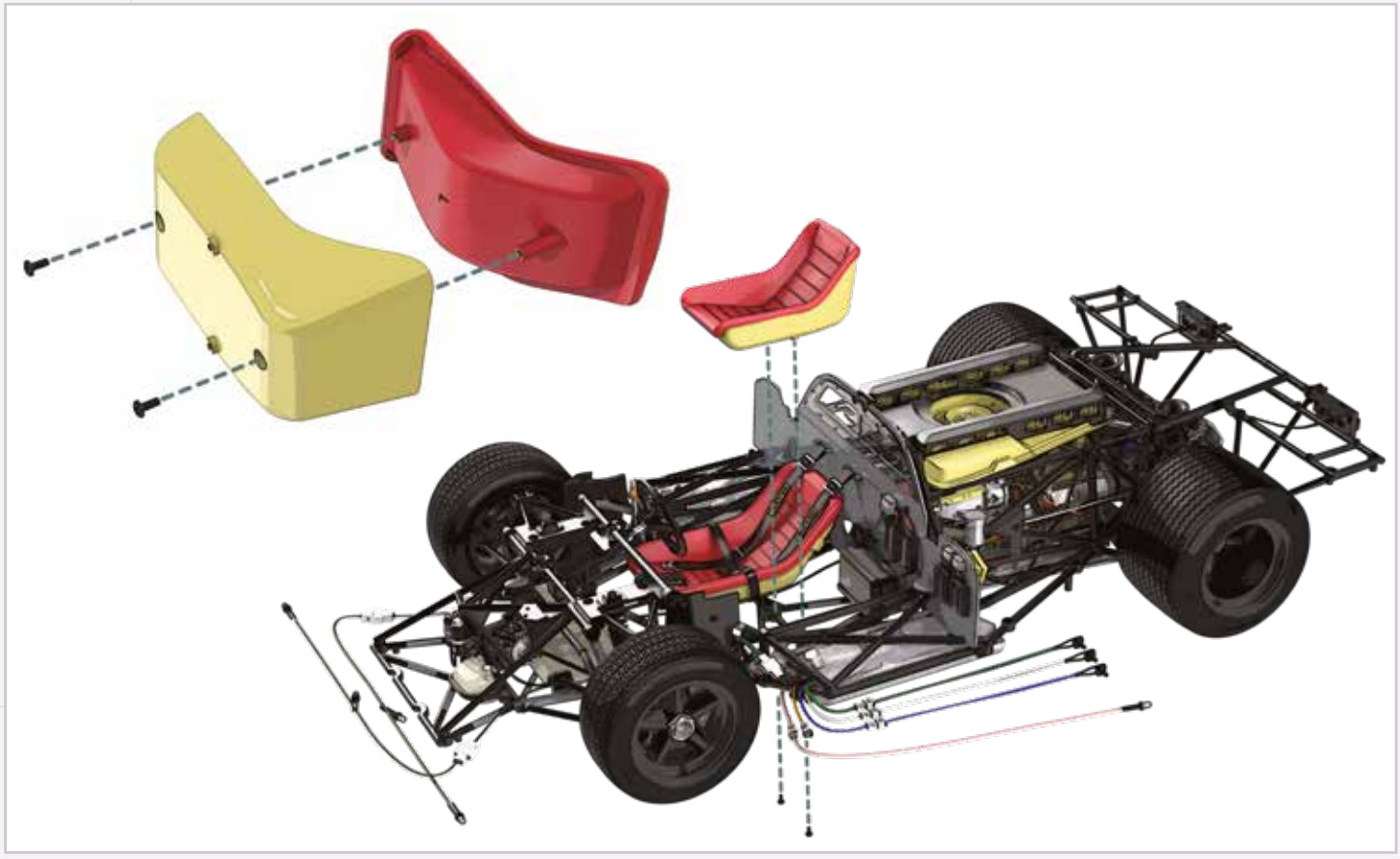
62B Passenger's seat

AP M1,7 x4mm (x5)



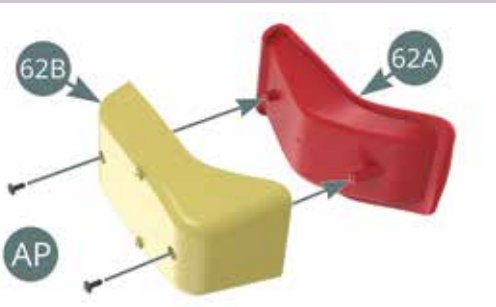
Driver's seat assembly and attachment

Assembly diagram



STEP 1

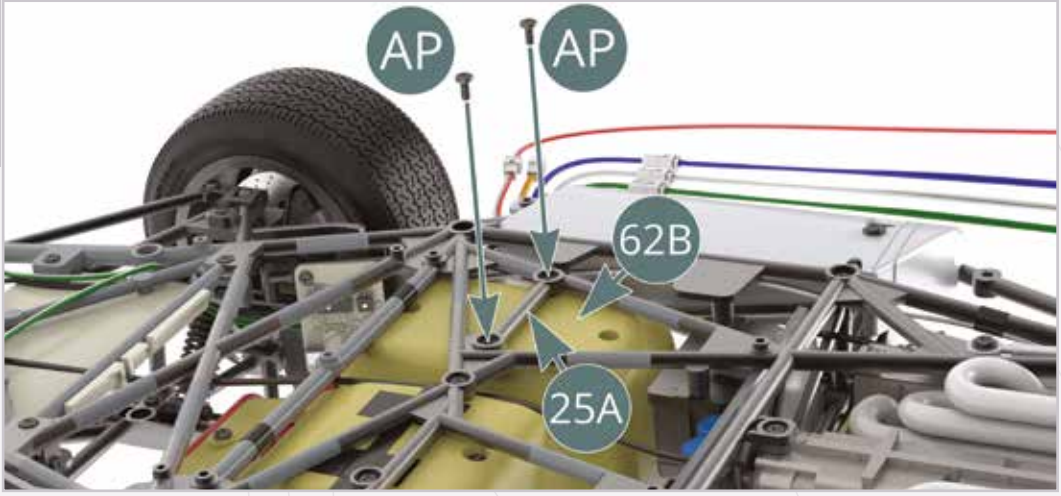
Fit 62A Upholstery to 62B Passenger's seat and fix with two AP screws. Fit 62B Passenger's seat to 25A Chassis frame.





STEP 2

Fix 62B Passenger's seat to 25A Chassis frame with two AP screws.

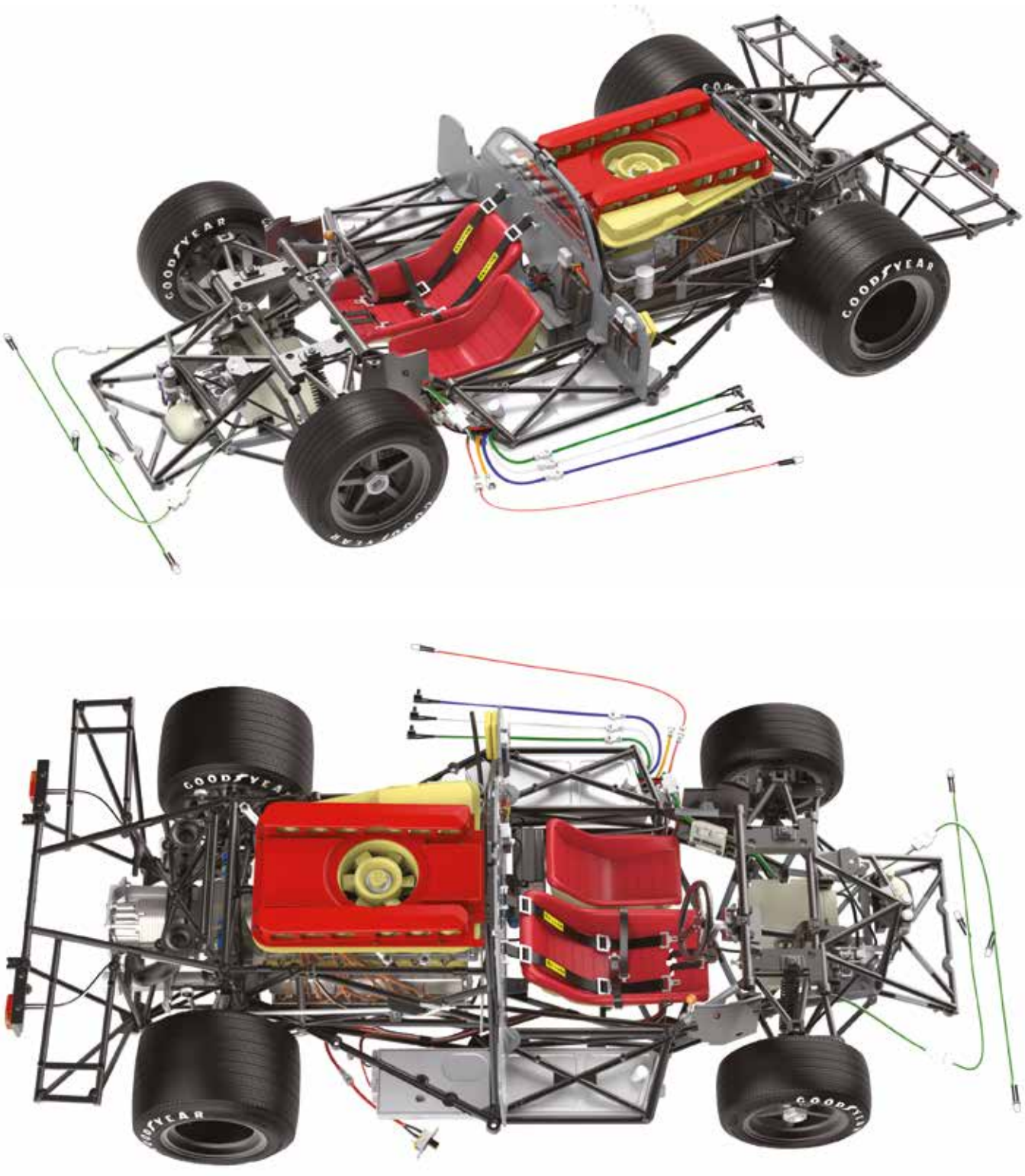


STEP 3

Driver's and Passenger's seats are attached to Chassis

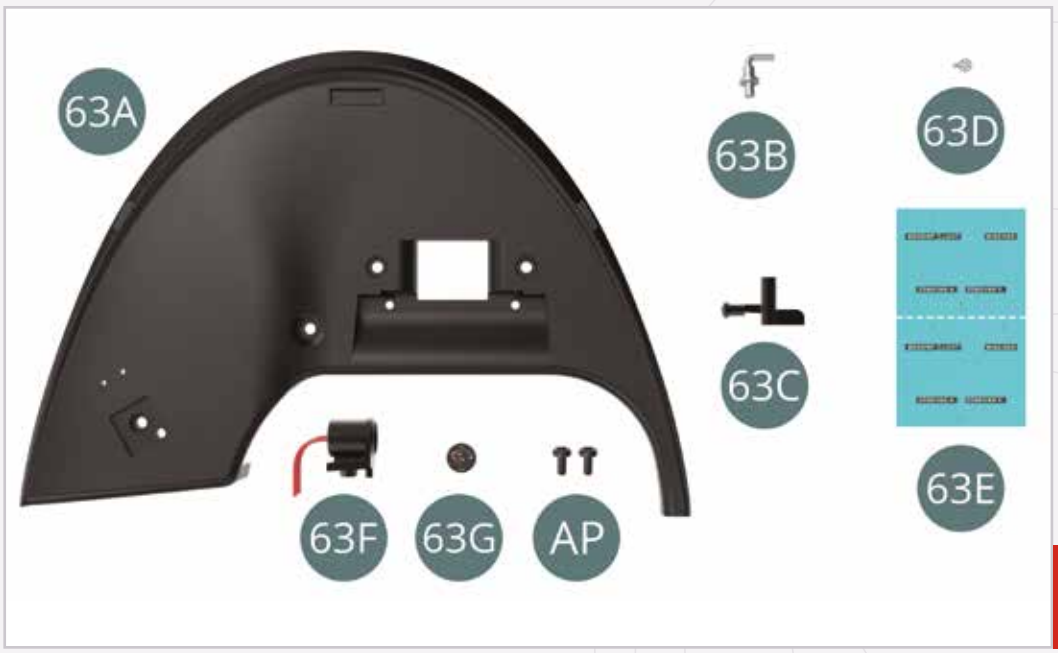


General view



Parts of the issue 63

63A Dashboard
63B Lever
63C Ignition lock
63D Ignition key
63E Dashboard decal (x2)
63F Oil gauge housing
63G Oil gauge dial
AP M1,7 x4mm (x2)



Dashboard assembly

Assembly diagram



STEP 1

Fit 63B Lever to 63A Dashboard. Nip 63C Ignition lock from its sprue.



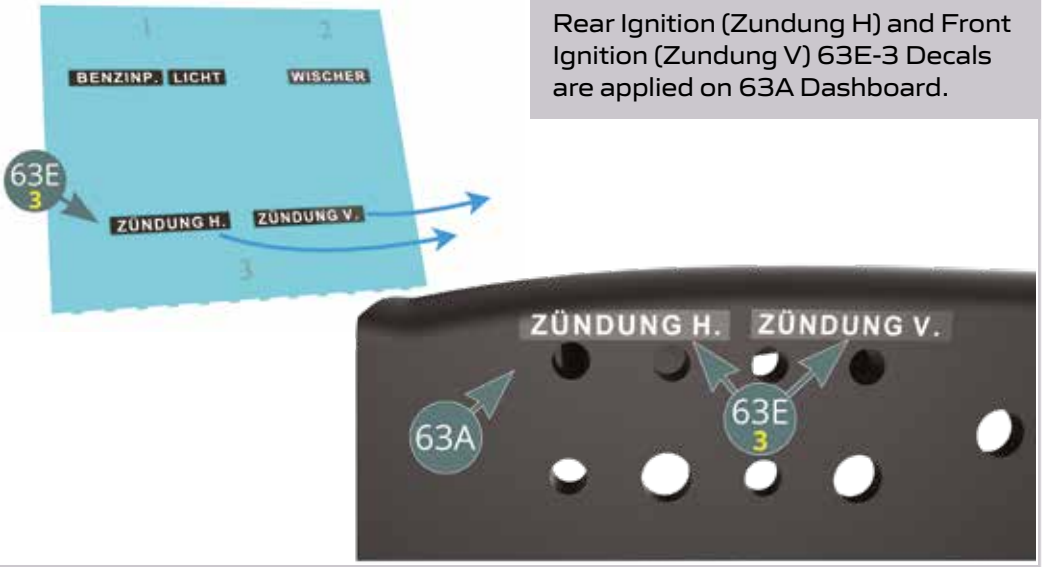
STEP 2

Fit 63C Ignition lock to 63A Dashboard. Separate two sets of 63E Dashboard decals to start using one of them.



STEP 3

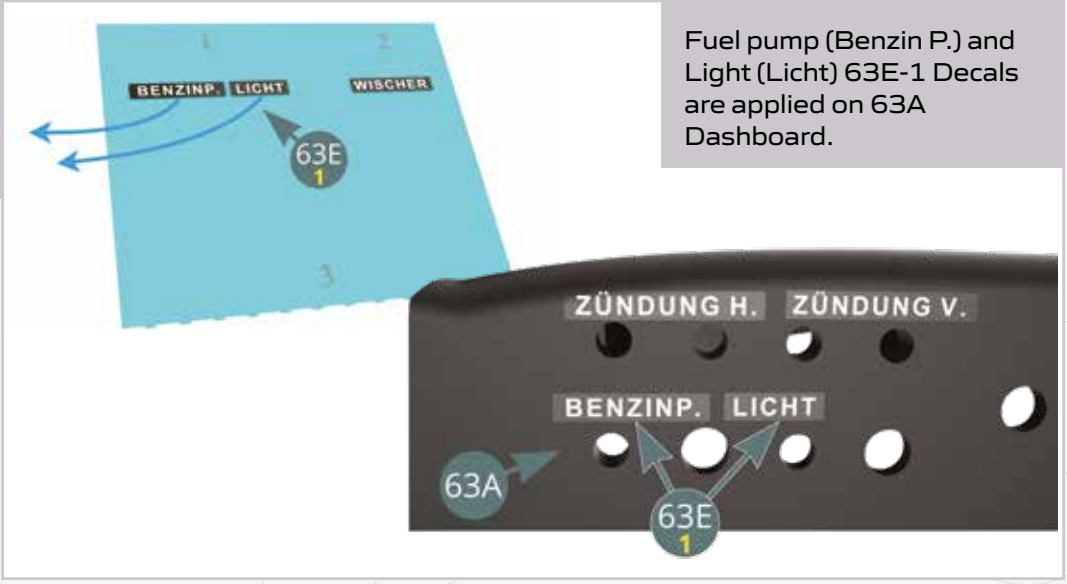
Put 63E-3 Decals in water for 15 seconds, slide them off to apply on 63A Dashboard as shown below.



Rear Ignition (Zundung H) and Front Ignition (Zundung V) 63E-3 Decals are applied on 63A Dashboard.

STEP 4

Put 63E-1 Decals in water for 15 seconds, slide them off to apply on 63A Dashboard as shown below.



Fuel pump (Benzin P.) and Light (Licht) 63E-1 Decals are applied on 63A Dashboard.

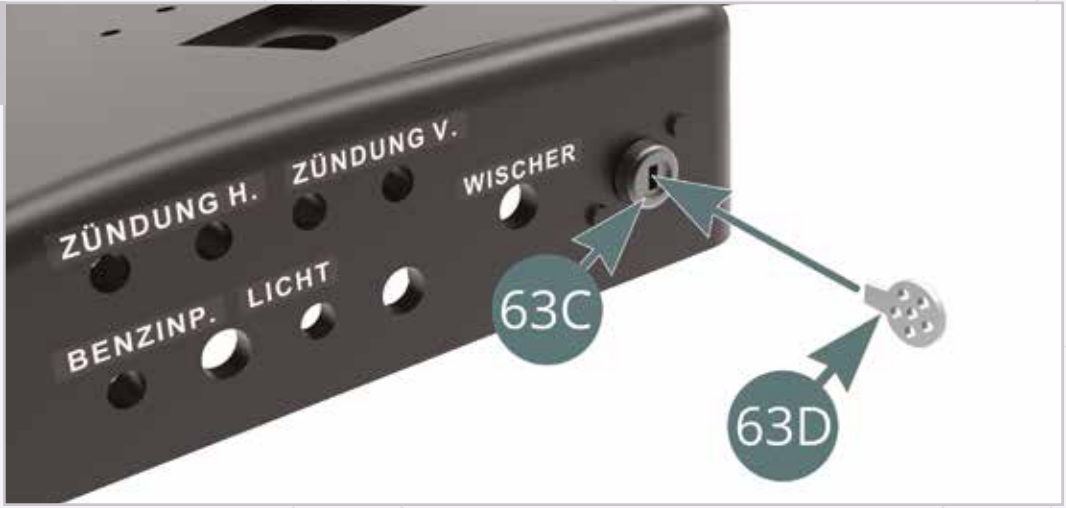
STEP 5

Put 63E-2 Decal in water for 15 seconds, slide them off to apply on 63A Dashboard as shown below.
Wiper (Wischer) 63E-2 Decal is applied on 63A Dashboard.



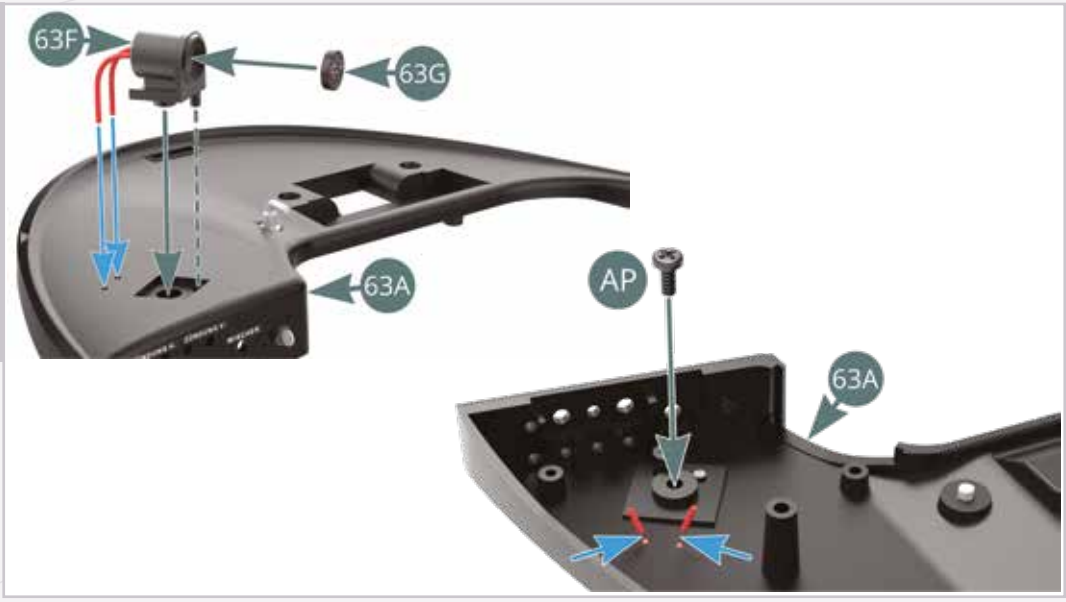
STEP 6

Fit 63D Ignition key into 63C Ignition lock.



STEP 7

Attach 63G Oil gauge dial to 63F Oil gauge housing. Attach 63F Oil gauge housing to 63A Dashboard, passing its two red wires through it, and fasten with AP screw from below. Cut excess red wires flush with surface.

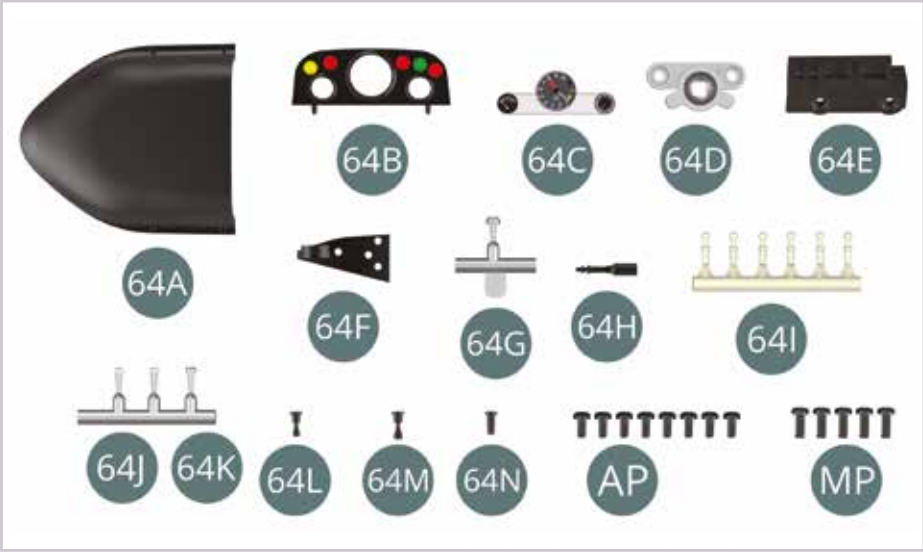


General view



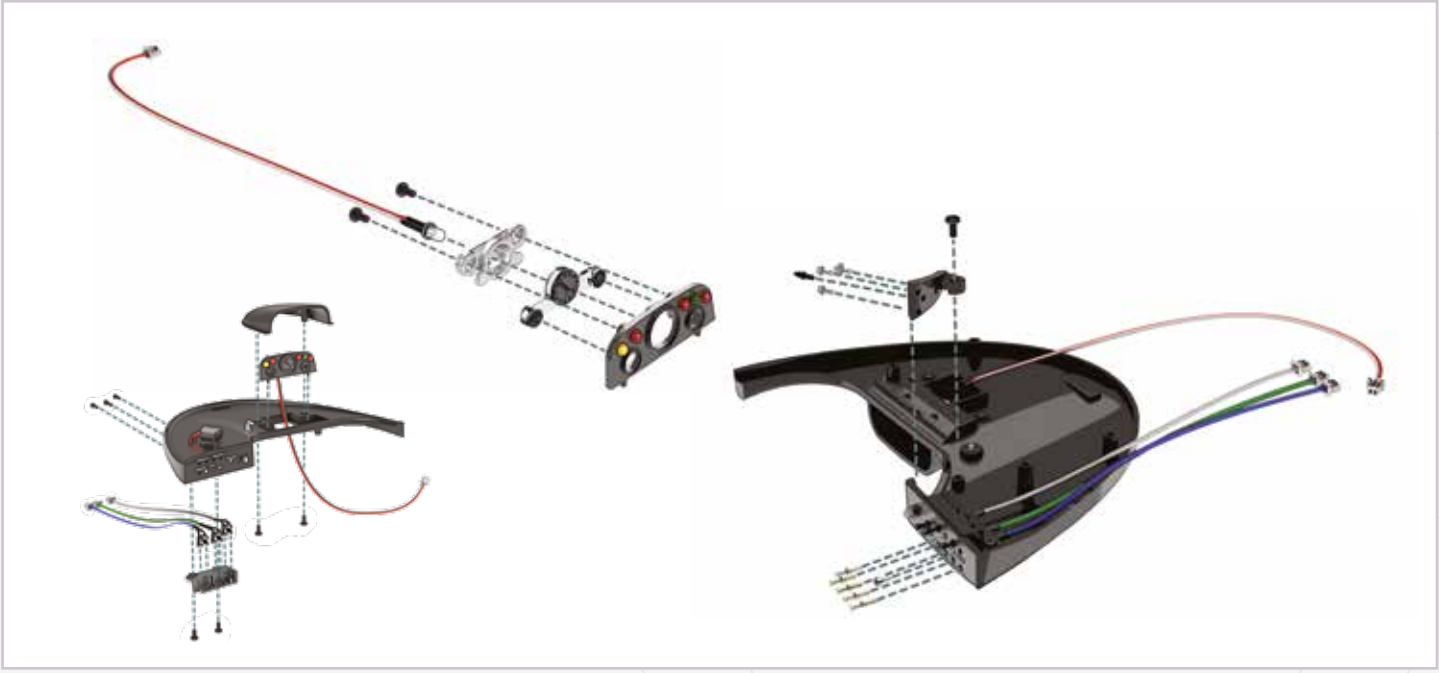
Parts of the issue 64

64A Instrument panel hood
64B Instrument panel
64C Dials block
64D Reflector panel
64E Switch panel
64F Switch panel
64G Button
64H Button
64I Button (x5)
64J Button (x2)
64K Fuel button
64L Switch button
64M Switch button
64N Switch button
AP M1,7 x4mm (x8)
MP M2,0 x5mm (x5)



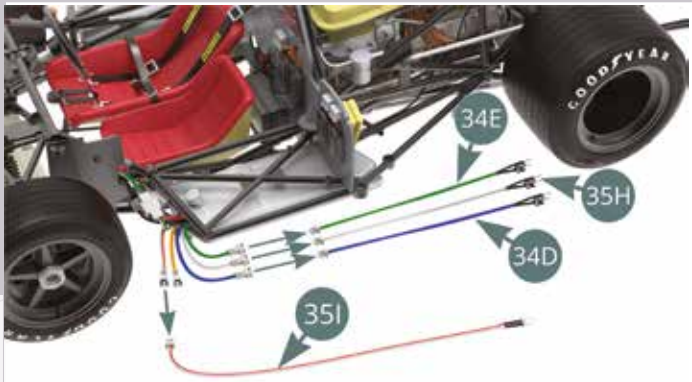
Instrument panel and dashboard assembly

Assembly diagram

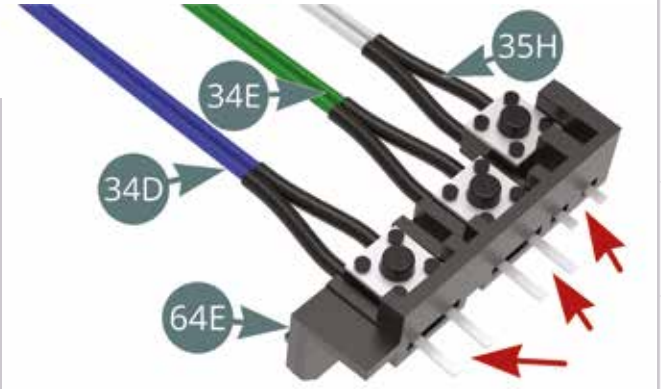


STEP 1

Unplug 34E Horn sound switch cable (green), 35H Light switch cable (white), 34D Engine sound switch cable (blue) and 35I Instrument light LED cable (red-white).



Fit 34E Horn sound switch cable (green), 35H Light switch cable (white) and 34D Engine sound switch cable (blue) to 64E Switch panel, passing their "contact legs" into respective slots (red arrows).

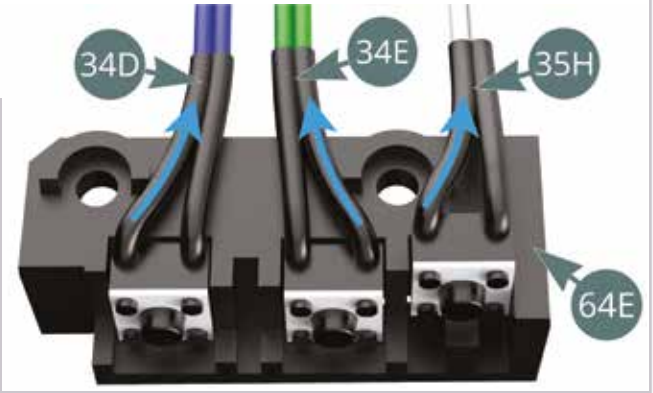


STEP 2

Bend 34E Horn sound switch cable (green), 35H Light switch cable (white) and 34D Engine sound switch cable (blue) "contact legs" around the edge of 64E Switch panel (blue arrows).

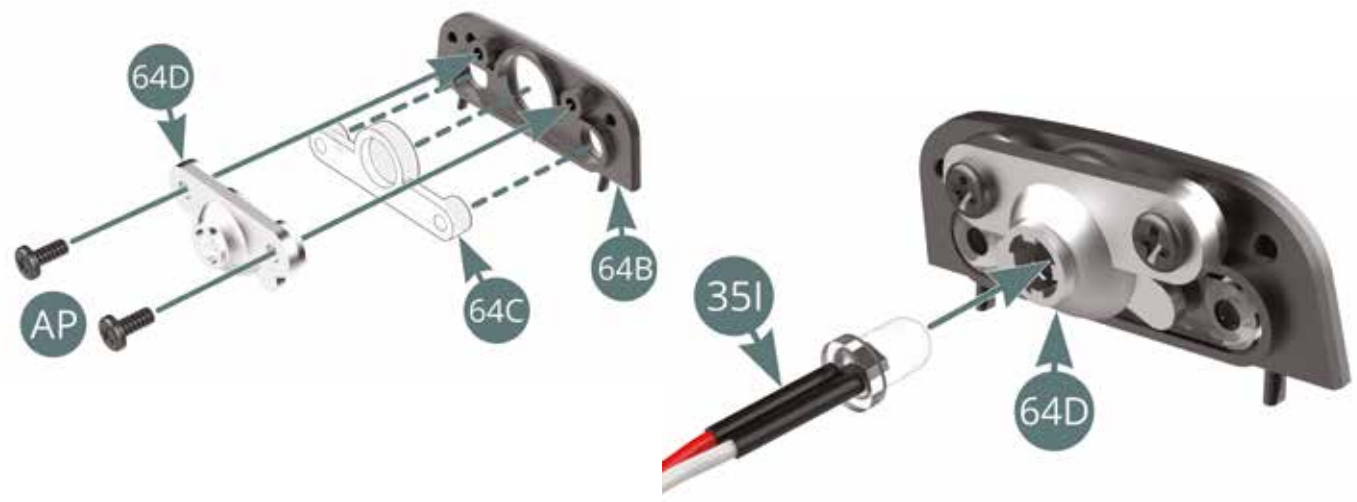


Bend 34E Horn sound switch cable (green), 35H Light switch cable (white) and 34D Engine sound switch cable (blue) black wire endings to bypass two attachment holes of 64E Switch panel (blue arrows).



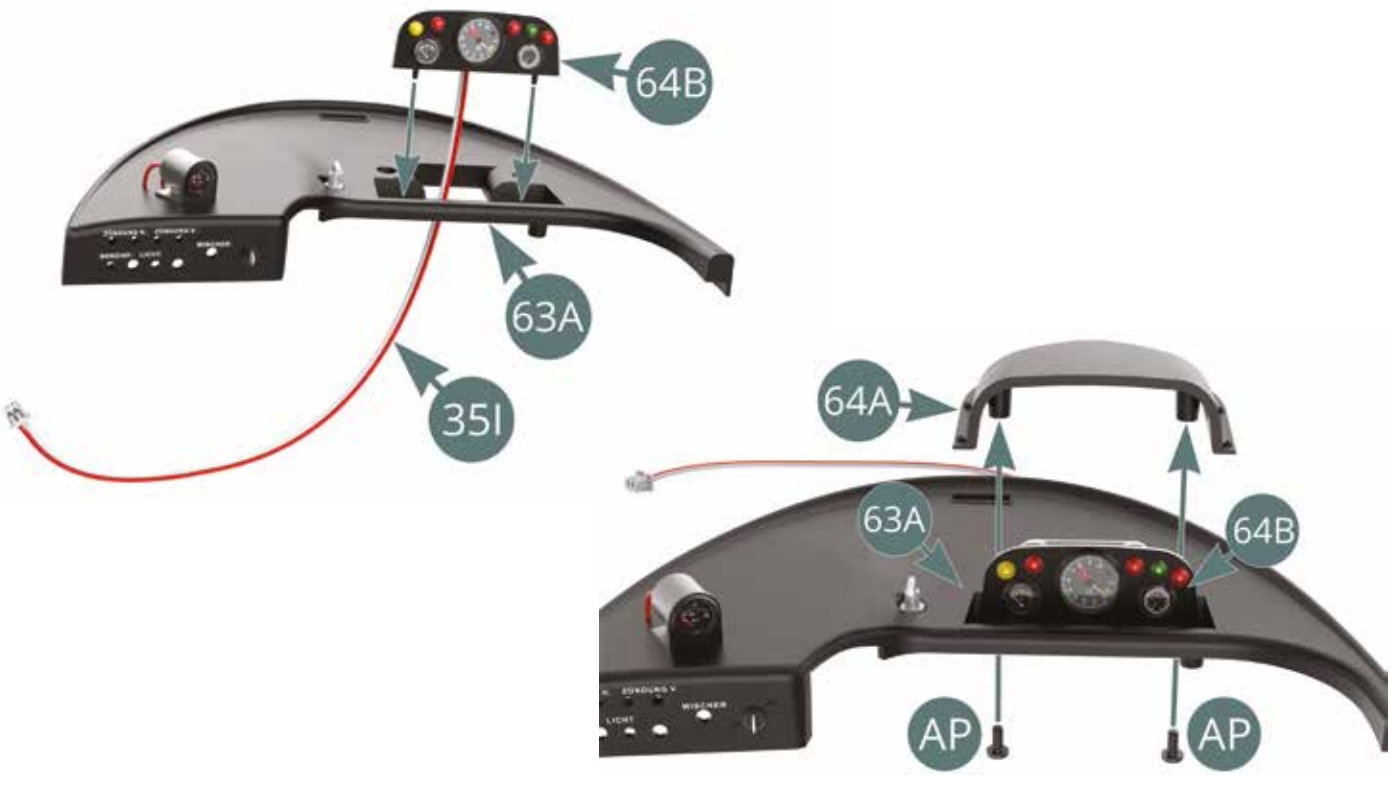
STEP 3

Fit 64D Reflector panel to 64B Instrument panel (with 64C Dials block in between) and fix with two AP screws. Fit 35I Instrument light LED into 64D Reflector panel.



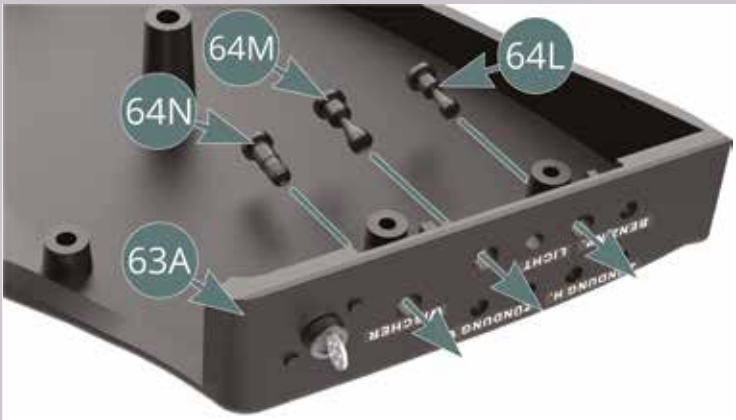
STEP 4

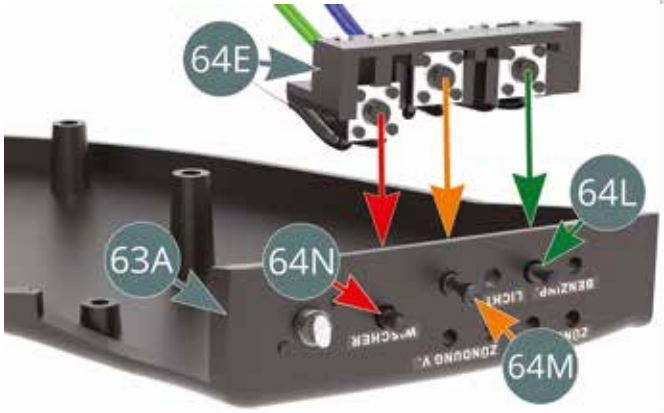
Fit 64B Instrument panel to 63A Dashboard, passing 35I Instrument light LED cable through its opening. Fit 64A Instrument panel hood over 64B Instrument panel to 63A Dashboard and fix with two AP screws.



STEP 5

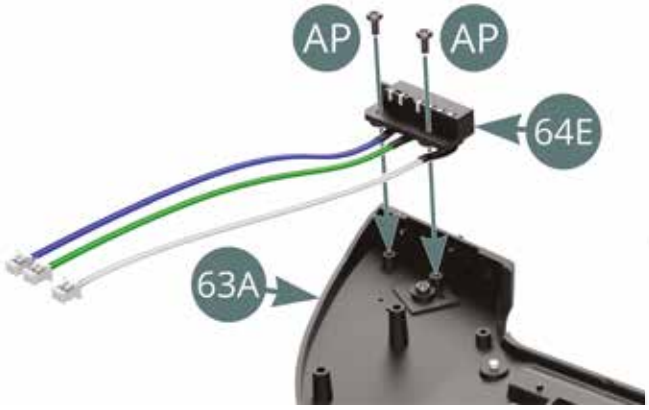
Fit 64L, M, N Switch buttons onto 63A Dashboard as indicated above. Fit 64E Switch panel to 63A Dashboard with switches aligning against respective 64L, M, N Switch buttons.

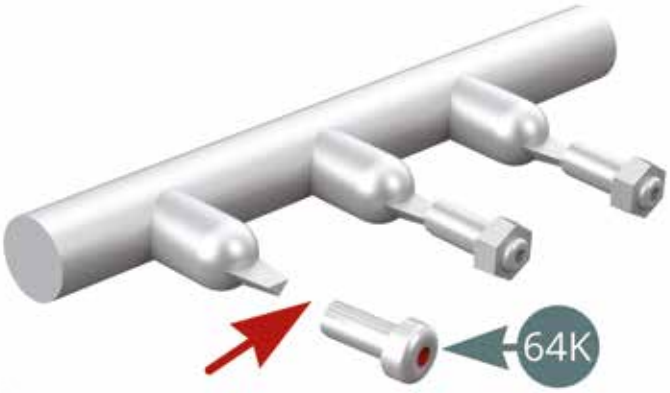




STEP 6

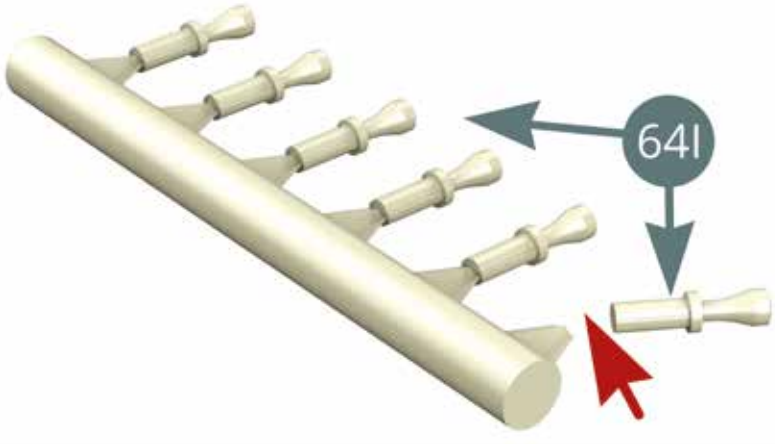
Fit and fix 64E Switch panel to 63A Dashboard with two AP screws. Nip 64K Fuel button off its fret.





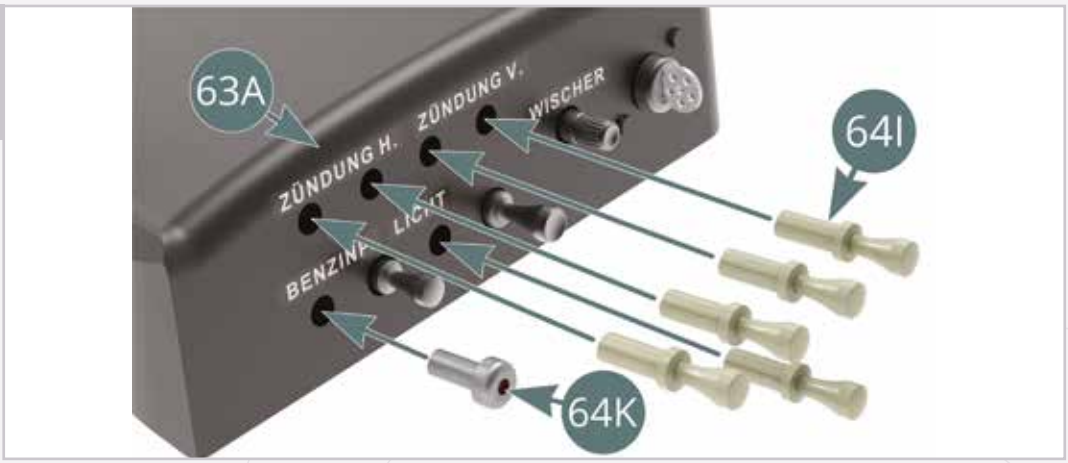
STEP 7

Nip five 64I Buttons off the fret.



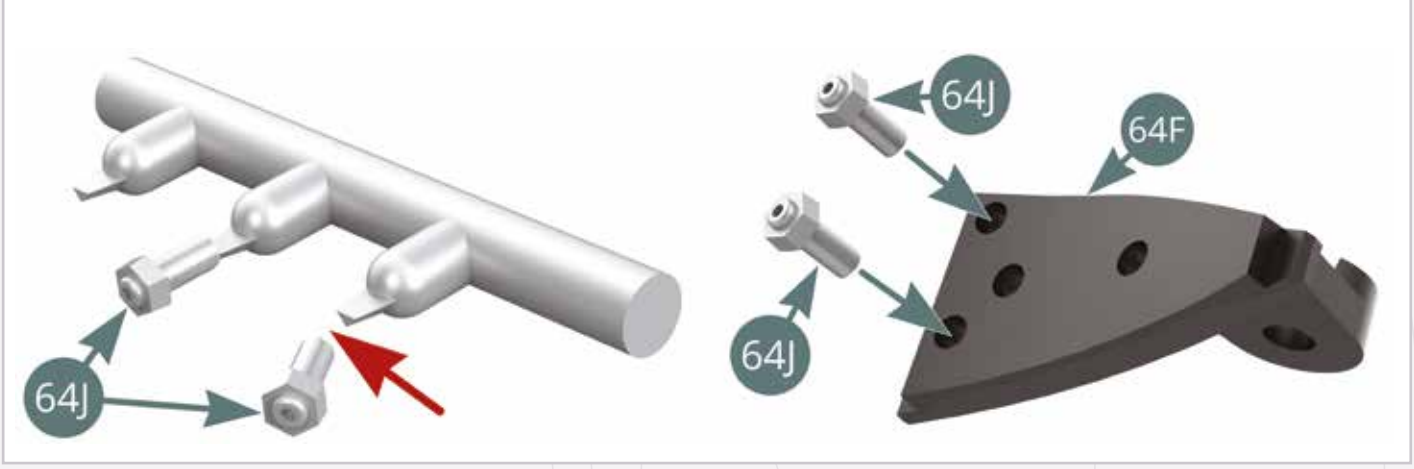
STEP 8

Fit 64K Fuel button and five 64I Buttons to 63A Dashboard.



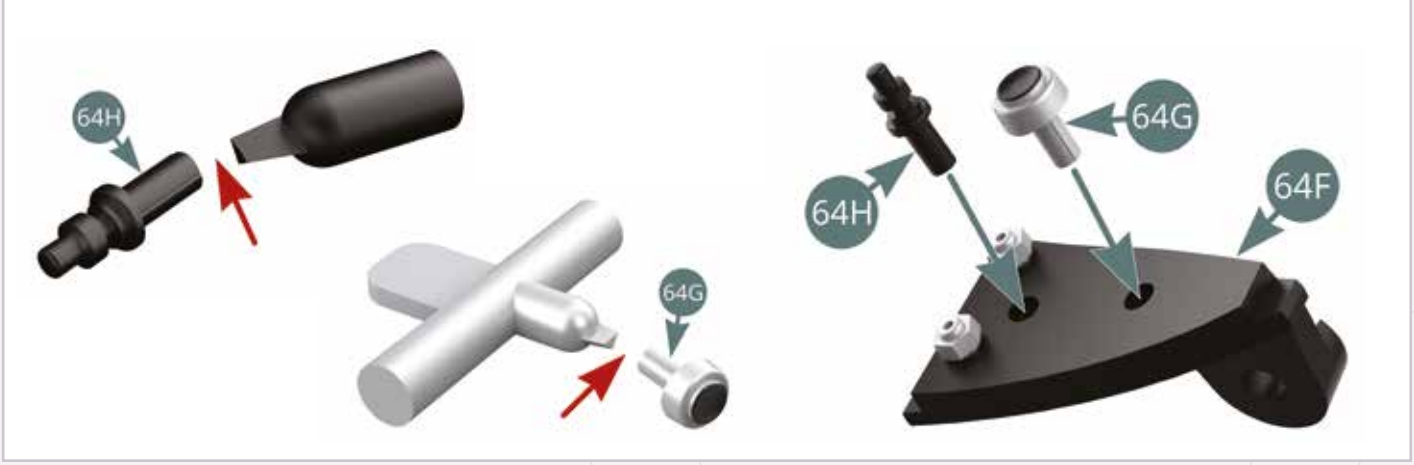
STEP 9

Nip two 64J Buttons off the fret. Fit two 64J Buttons to 64F Switch panel.



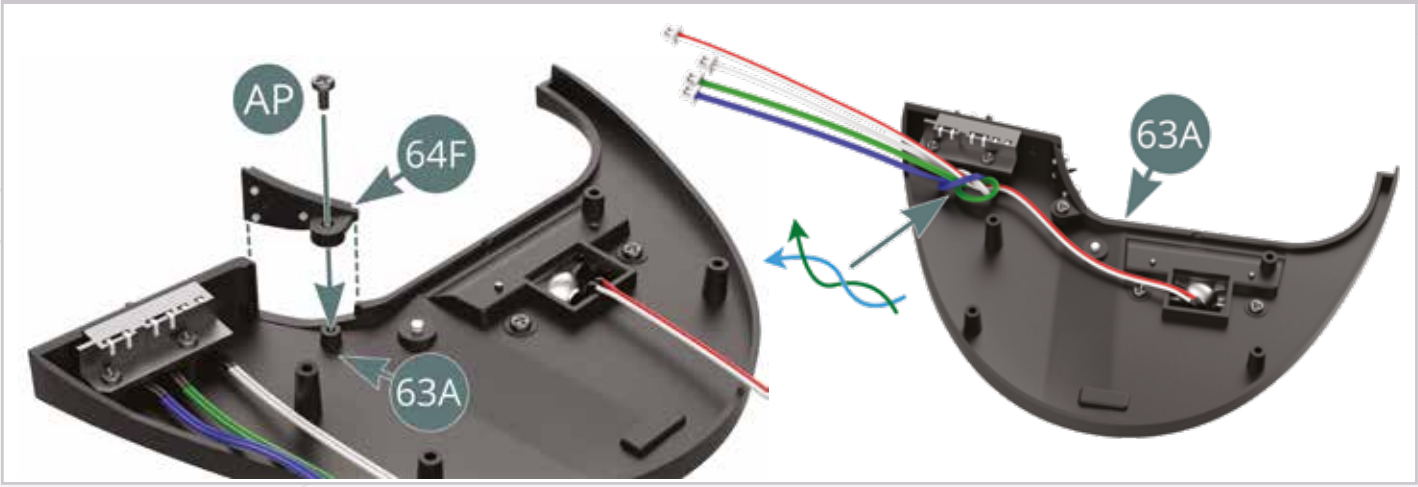
STEP 10

Nip 64H and 64G Buttons off their frets. Fit 64H and 64G Buttons to 64F Switch panel.



STEP 11

Fit 64F Switch panel to 63A Dashboard and fix with AP screw. Twist together Blue, Green, White and Red-White cables to flow to left side of 63A Dashboard.



GENERAL VIEW



Parts of the issue 65

65A Front bottom panel

PM M2,0 x4mm (x5)



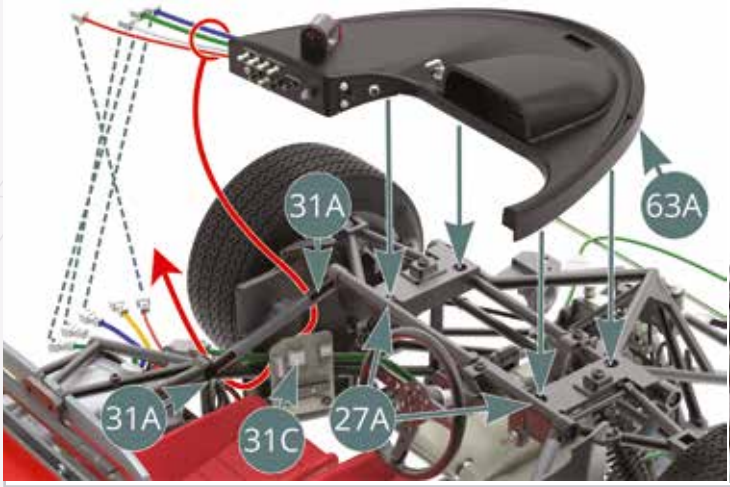
Dashboard and front bottom panel attachment

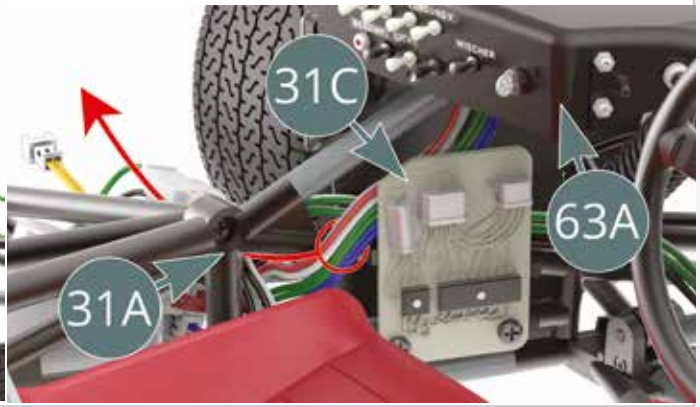
Assembly diagram



STEP 1

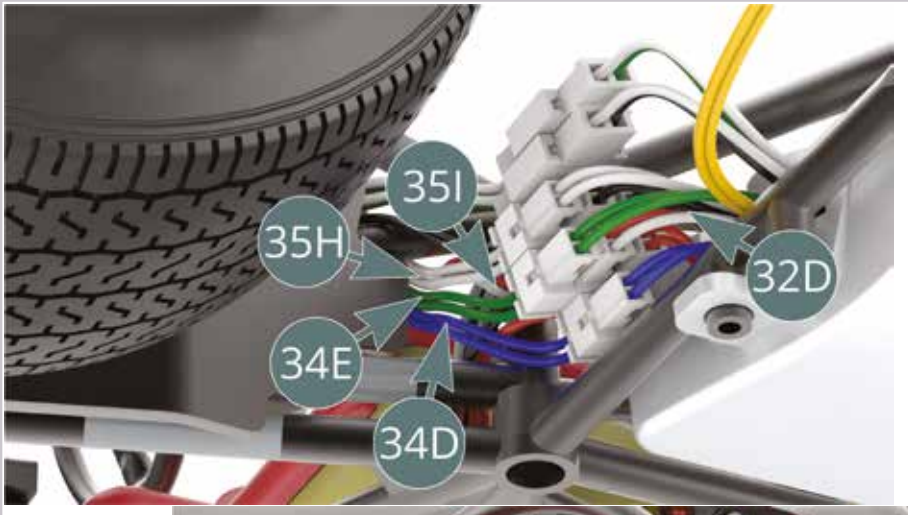
Before attaching 63A Dashboard to 27A Dashboard subframe, pass four Dashboard wires (Blue, Green, White and Red-White) behind 31A Frame and 31C Junction panel as red arrow indicates (left and right illustrations).

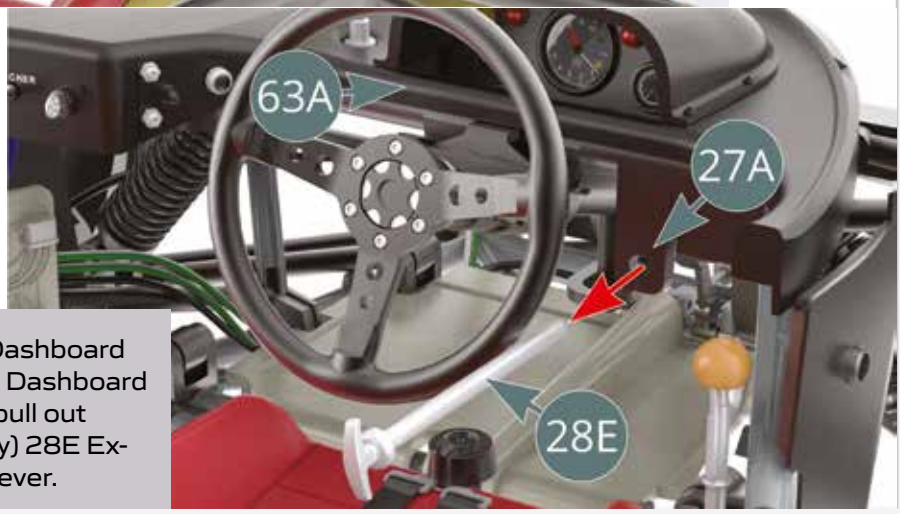




STEP 2

Plug 35I Red-White, 35H White, 34E Green and 34D Blue cables from Dashboard onto four respective color 32D PCB wire sockets, leaving only Yellow wire socket unplugged.

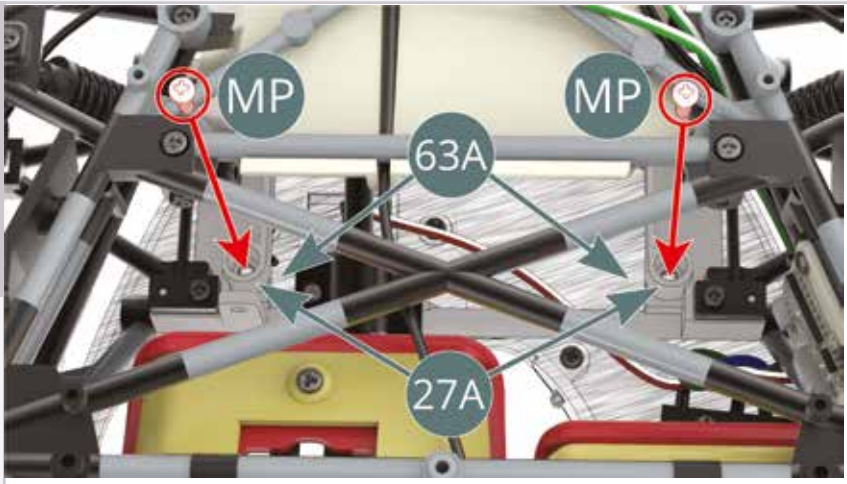


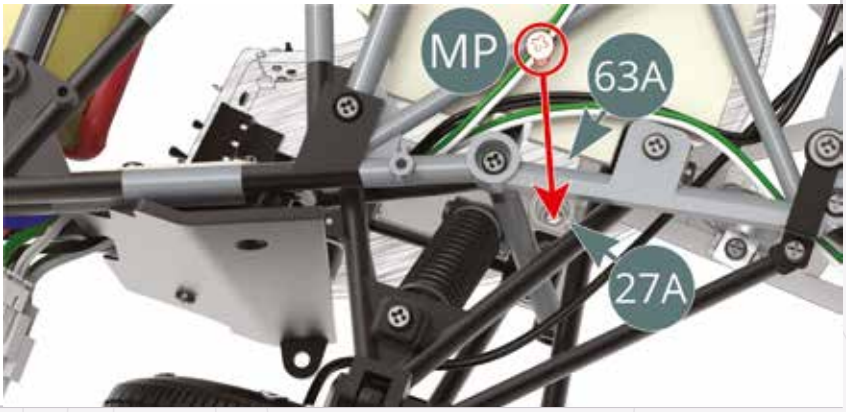


With 63A Dashboard put on 27A Dashboard subframe, pull out (temporarily) 28E Extinguisher lever.

STEP 3

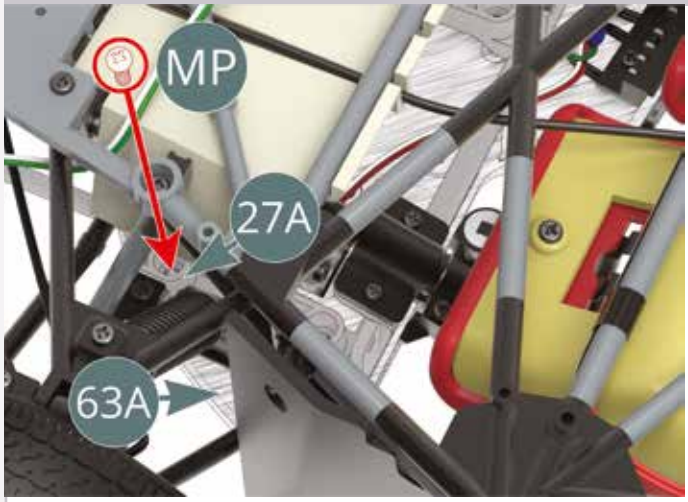
From below car, fix 63A Dashboard to 27A Dashboard subframe with two MP screws. Fix 63A Dashboard to 27A Dashboard subframe (at left side front wheel) with MP screw.





STEP 4

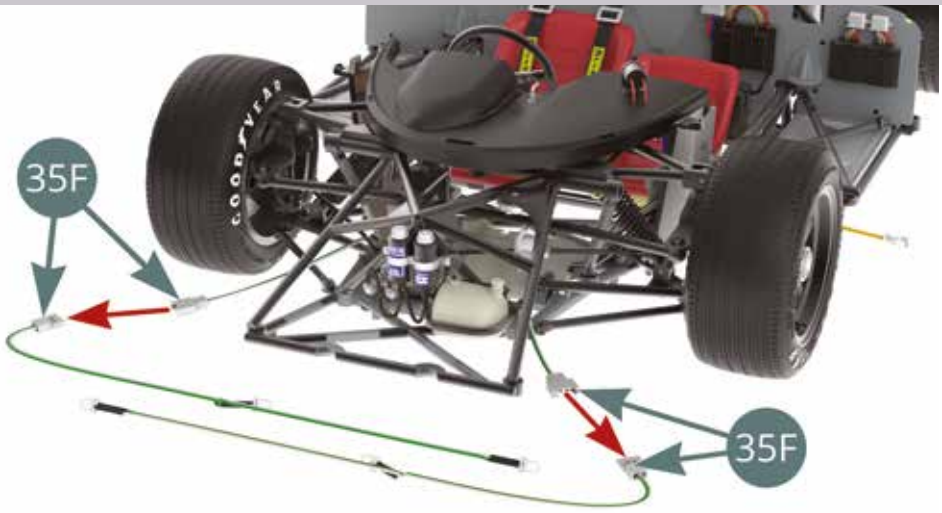
Fix 63A Dashboard to 27A Dashboard subframe (at right side front wheel) with MP screw. Fit back 28E Extinguisher lever to 27A Dashboard subframe.

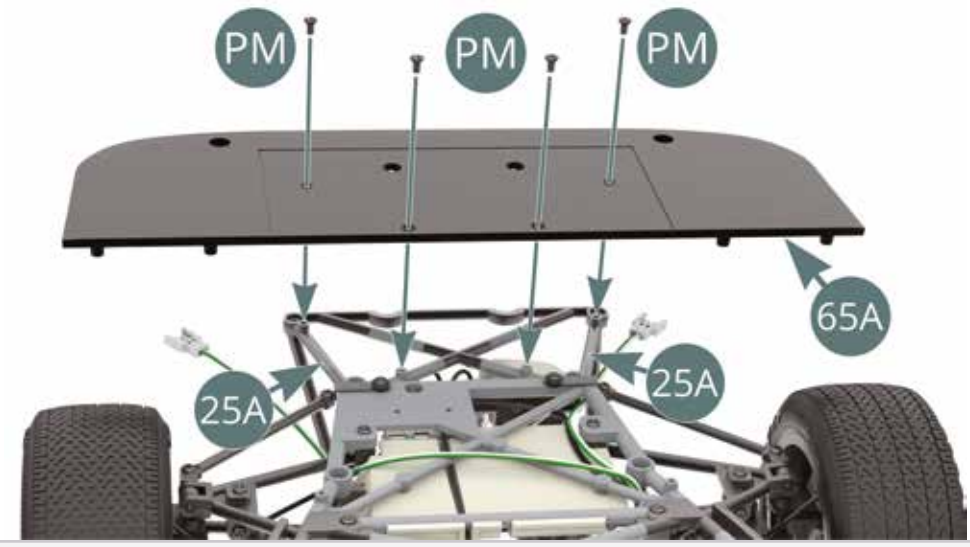




STEP 5

Unplug right and left side parts of 35F Headlight cables with LEDs. Store them until later assembly. Fit 65A Front bottom panel to 25A Chassis frame and fix with four PM screws.





STEP 6

65A Front bottom panel is attached to Chassis

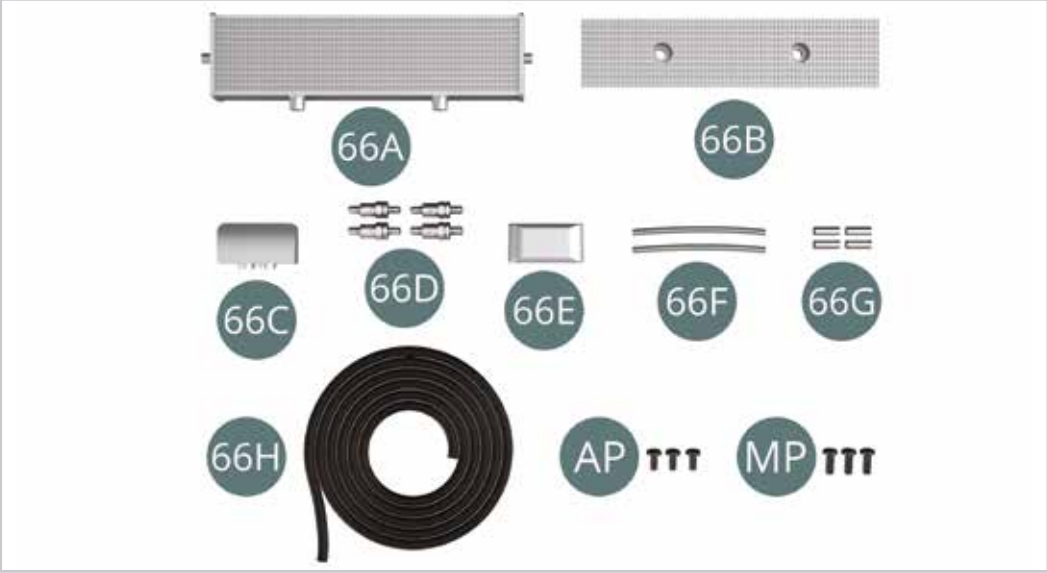


General view



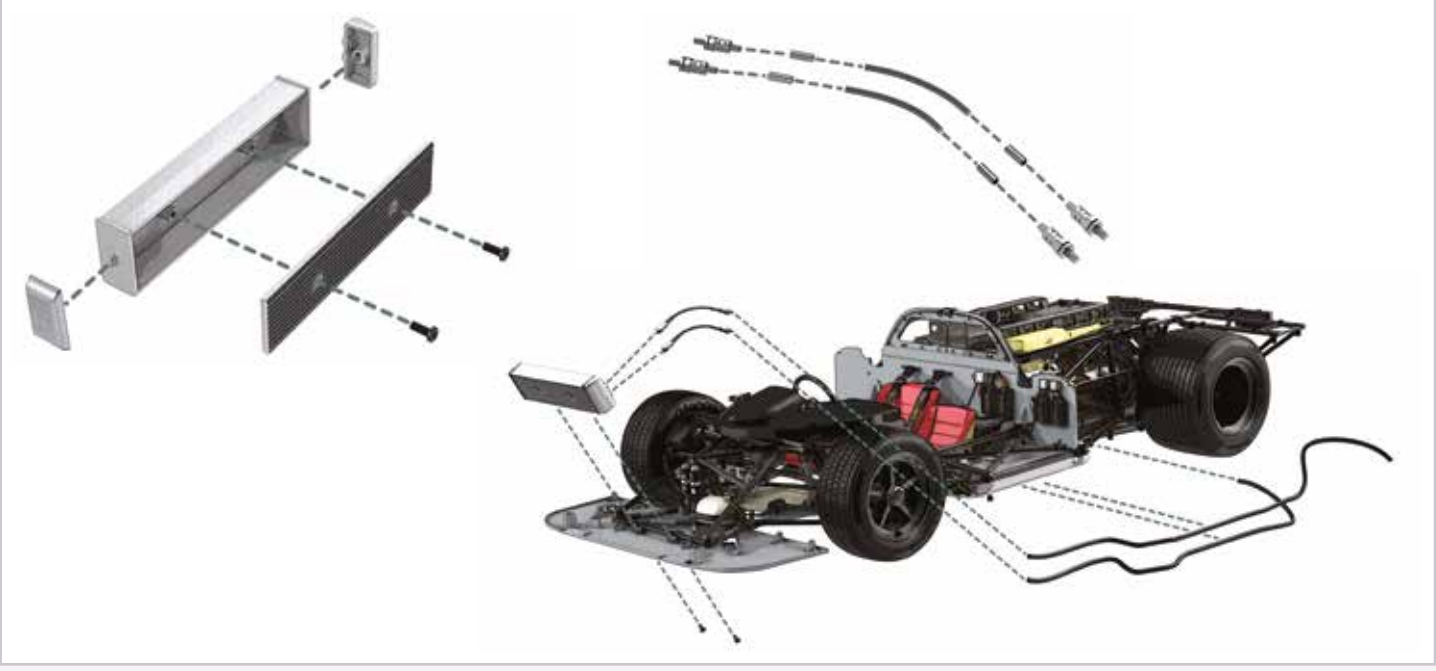
Parts of the issue 66

66A Radiator box
66B Radiator front panel
66C Radiator left end panel
66D Fitting (x4)
66E Radiator right end panel
66F Metal hose (x2)
66G Connector (x4)
66H Oil hose
AP M1,7 x4mm (x3)
MP M2,0 x5mm (x3)



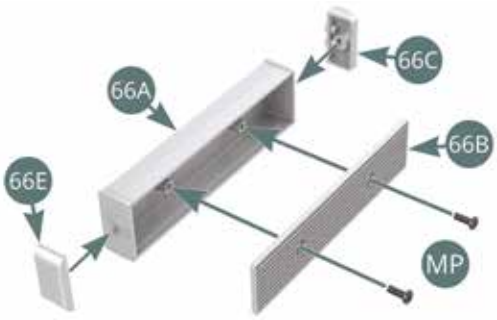
Radiator assembly and attachment

Assembly diagram

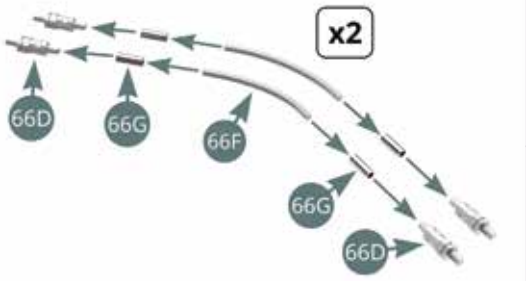


STEP 1

Fit 66B Radiator front panel to 66A Radiator box and fix with two MP screws. Fit 66C Left and 66E Right End panels to 66A Radiator box.

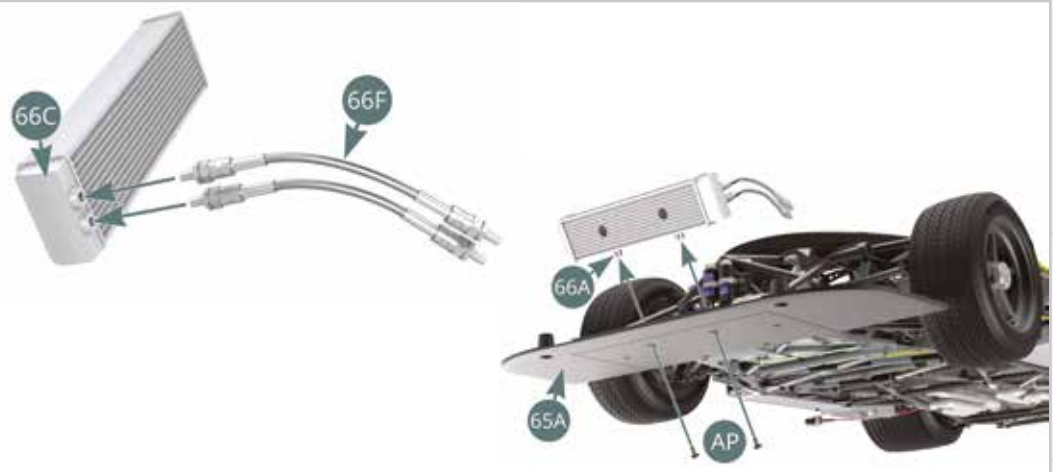


Attach two 66D Fittings and two 66G Connectors to both ends of 66F Metal hose. Make two such assemblies.



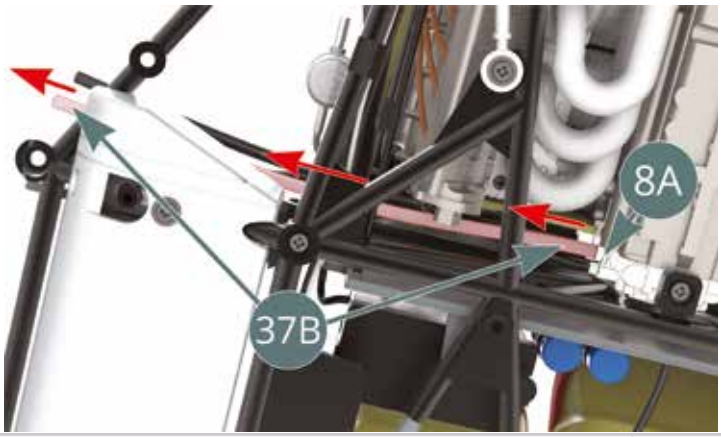
STEP 2

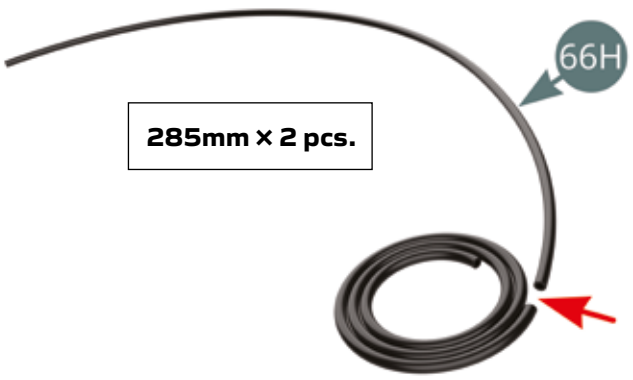
Attach two 66F Metal hoses to 66C Radiator left end panel by two 66D Fittings.
Fit 66A Radiator box to 65A Front bottom panel and fix with two AP screws.



STEP 3

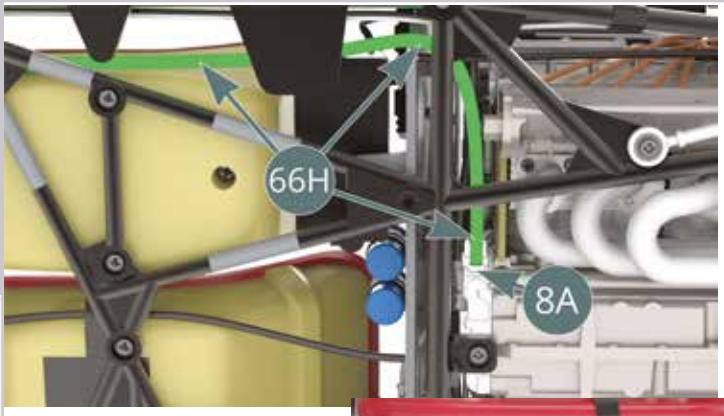
Upturn car and take 37B Water hose off 8A Engine front cover nozzle with help of tweezers. Cut two 285mm long stretches of 66H Oil hose from the supplied 66H Oil hose roll.





STEP 4

Fit the first of two just cut 66H Oil hoses to 8A Engine front cover nozzle (instead of removed 37B Hose) and pass under 54A Cockpit partition corner (upper and lower illustrations).

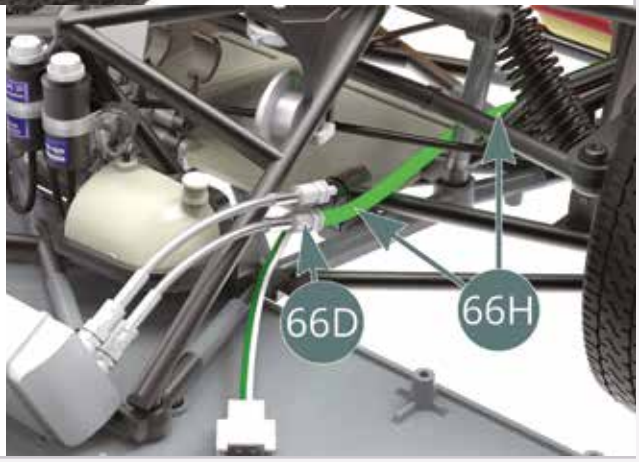




STEP 5

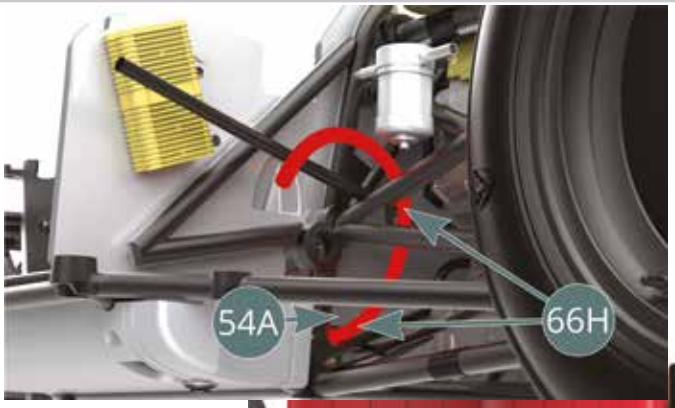
Tuck 66H Oil hose under 31C Junction panel while passing it all the way further. Fit 66H Oil hose to lower 66D Fitting.

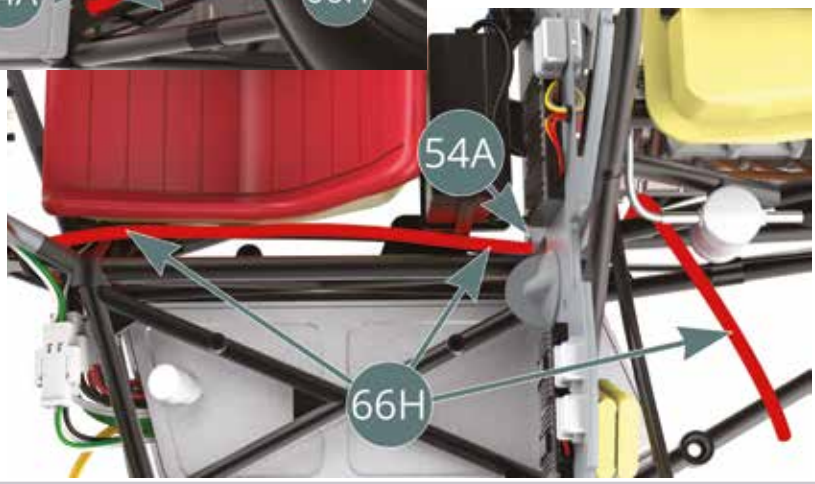




STEP 6

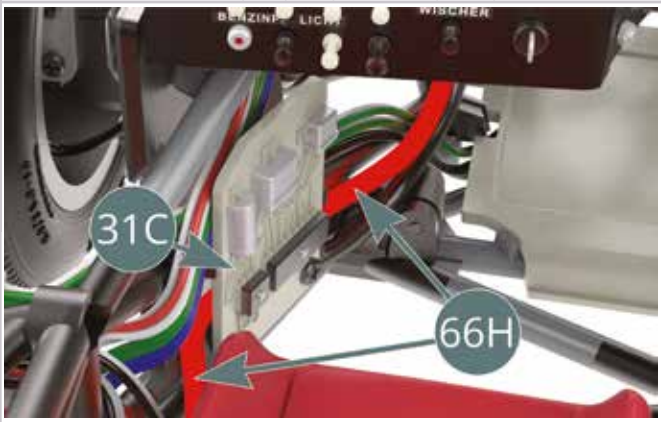
Pass remaining 66H Oil hose under 54A Cockpit partition lower left corner leading along the seat side (upper and lower illustrations).

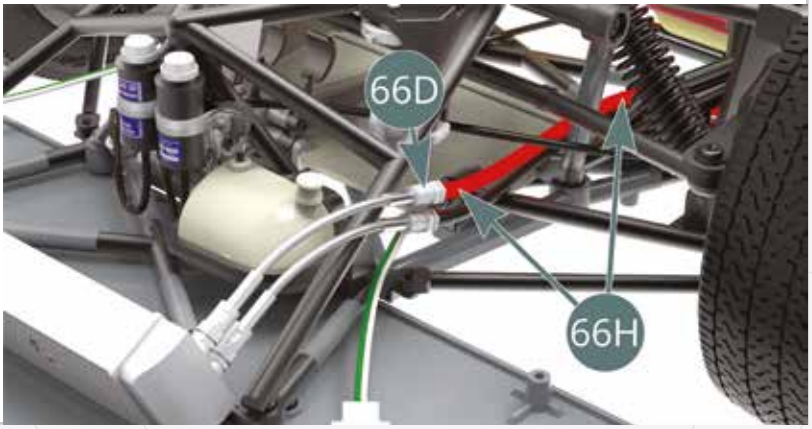




STEP 7

Pass 66H Oil hose behind 31C Junction panel while leading it all the way forward.
Fit 66H Oil hose to upper 66D Fitting.





General view



Parts of the issue 67

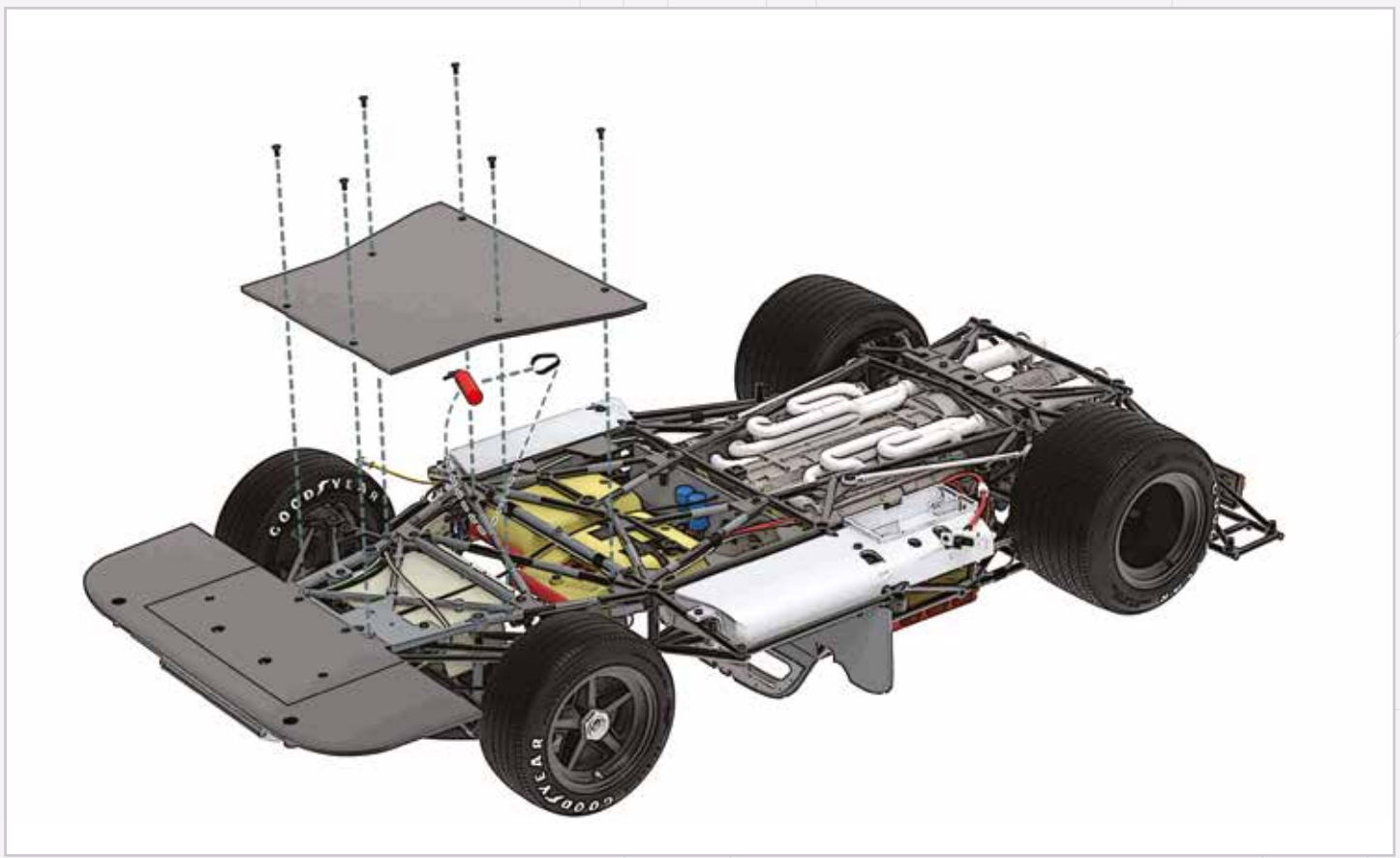
67A Cockpit bottom panel

PM M2,0 x4mm (x7)



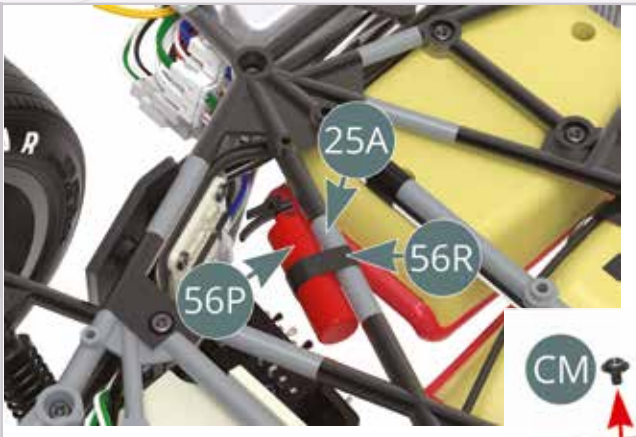
Cockpit bottom panel attachment

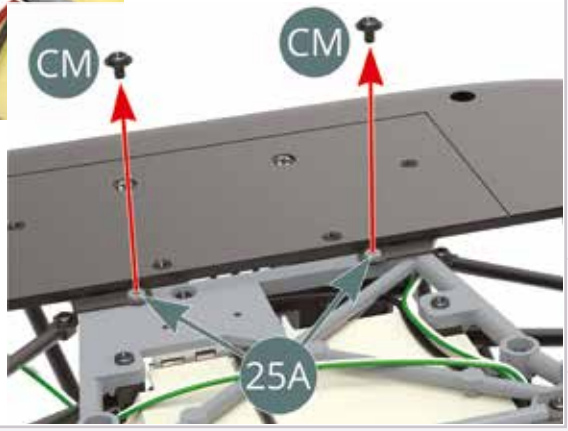
Assembly diagram



STEP 1

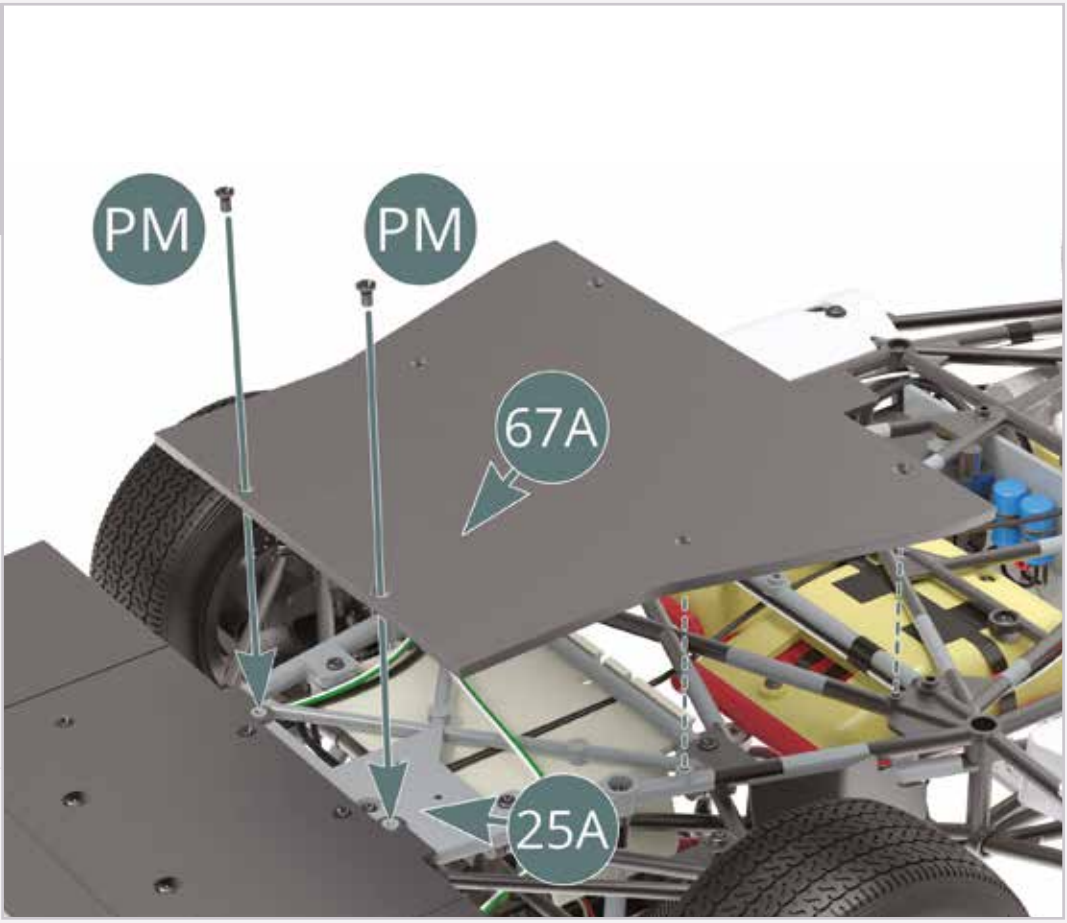
Attach 56P Fire extinguisher with 56R Tape to 25A Chassis lower frame on the left side and in front of Passenger's seat.
Unscrew two CM screws from 25A Chassis frame.





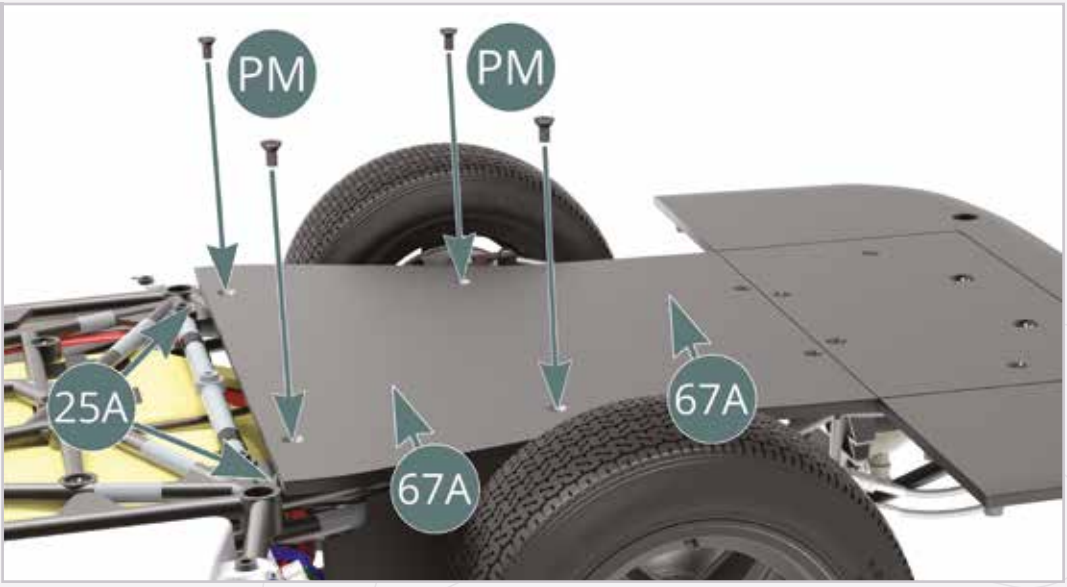
STEP 2

Align 67A Cockpit bottom panel to 25A Chassis frame and fix with two PM screws in place of two just removed CM screws.



STEP 3

F=Finish fixing 67A Cockpit bottom panel to 25A Chassis frame with four more PM screws.



General view



Parts of the issue 68

68A Left cockpit panel

68B Right cockpit panel

68C Hand brake lever

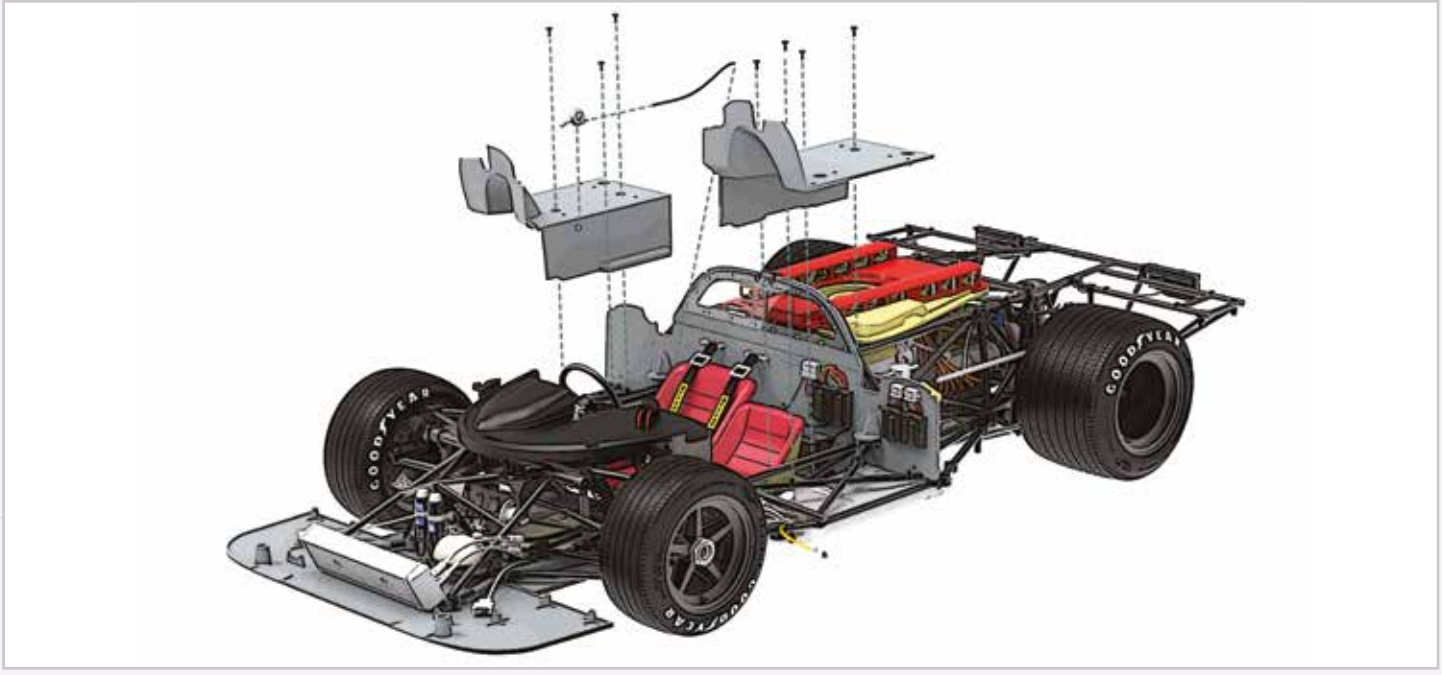
68D Hand brake cord

IM M1,7 x3,5mm (x9)



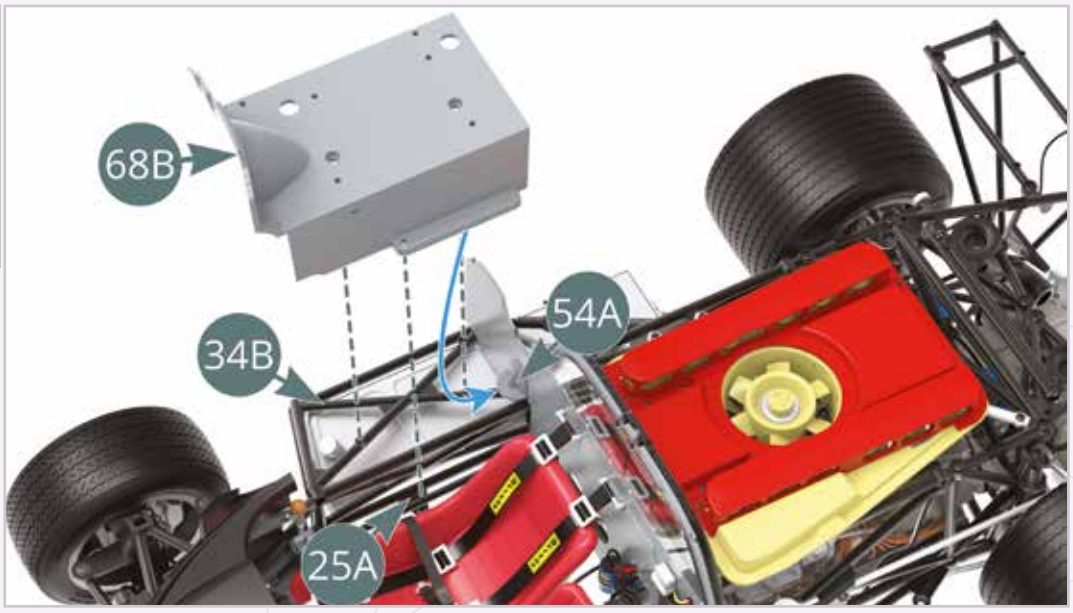
Cockpit side panels and hand brake attachment

Assembly diagram



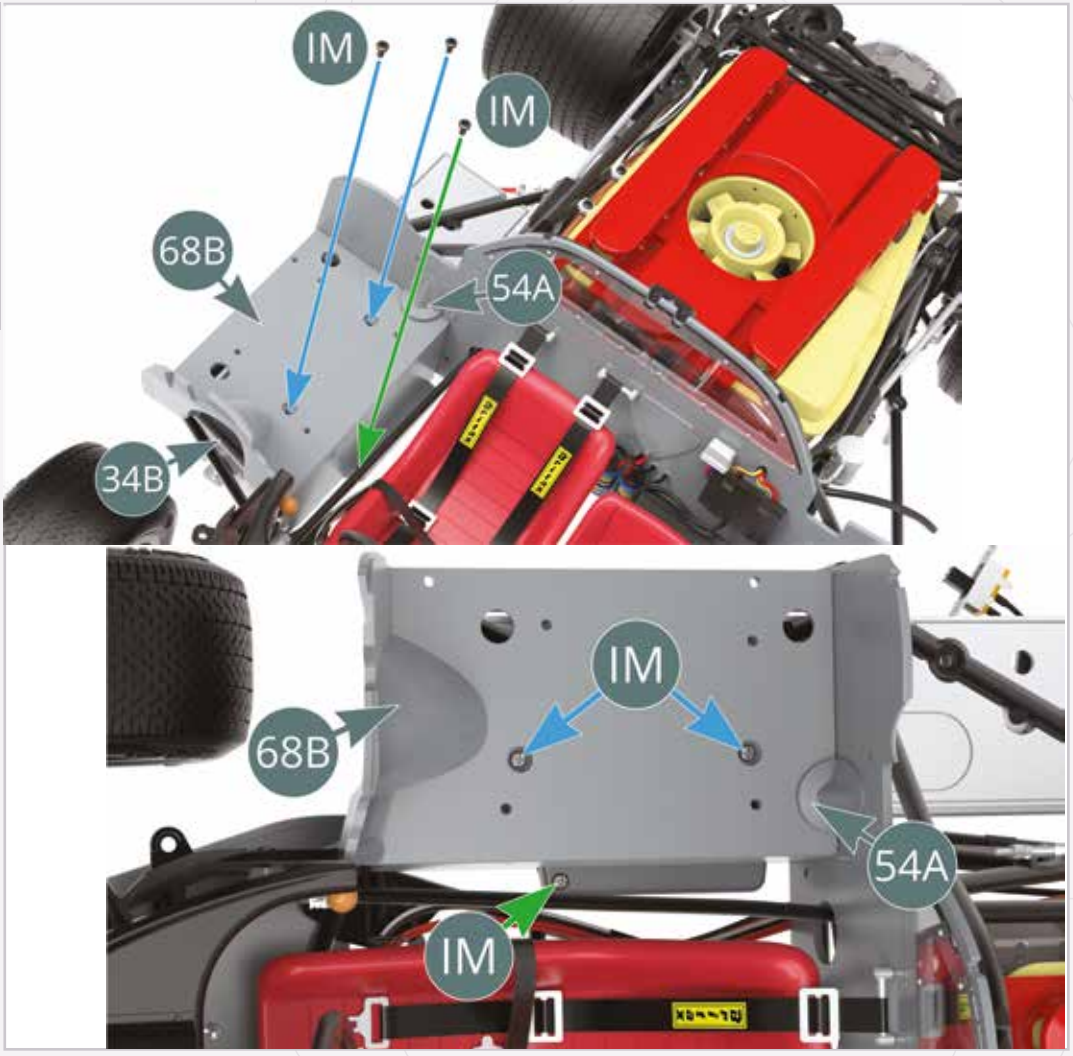
STEP 1

Fit 68B Right cockpit panel to 25A Chassis frame and 34B Frame, taking care to slide its rear edge under 54A Cockpit partition reinforcement (blue arrow).



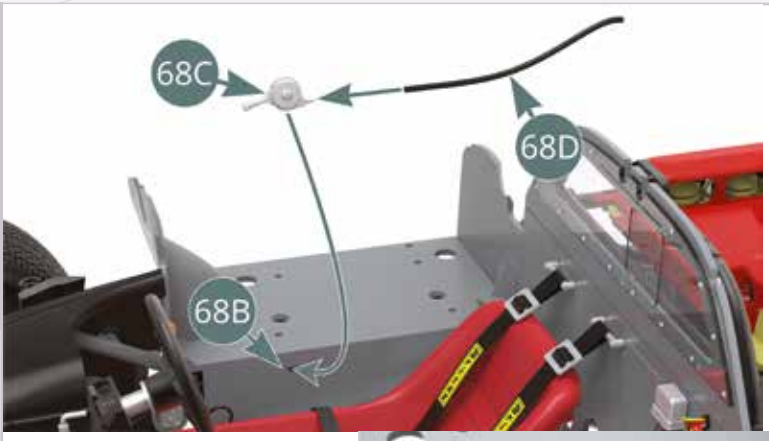
STEP 2

Fix 68B Right cockpit panel with two IM screws to 34B Frame (blue arrows) and with one IM screw to 25A Chassis frame (green arrow). Refer to upper and lower illustrations, and illustration above.



STEP 3

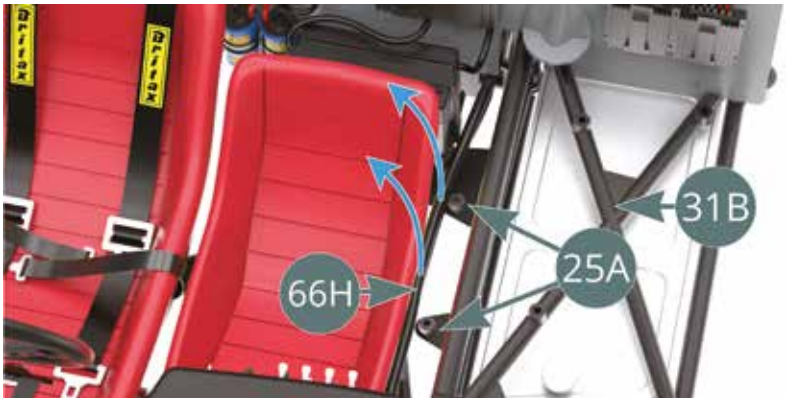
Fit 68D Hand brake cord to 68C Hand brake lever. Fit 68C Hand brake lever to 68B Right cockpit panel.
Fit the free end of 68D Hand brake cord to connector pin on 54A Cockpit partition.

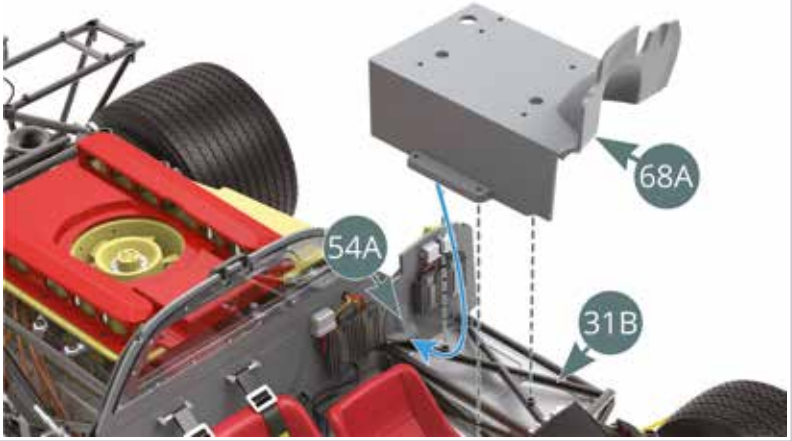




STEP 4

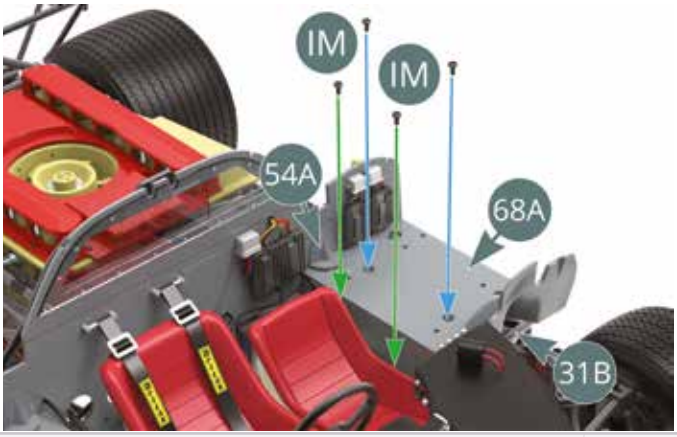
In order to proceed with 68A Left cockpit panel attachment (next illustration), raise up or move close to the seat side two 66H Water hoses.
Fit 68A Left cockpit panel to 25A Chassis frame and 31B Frame, taking care to slide its rear edge under 54A Cockpit partition reinforcement (blue arrow).

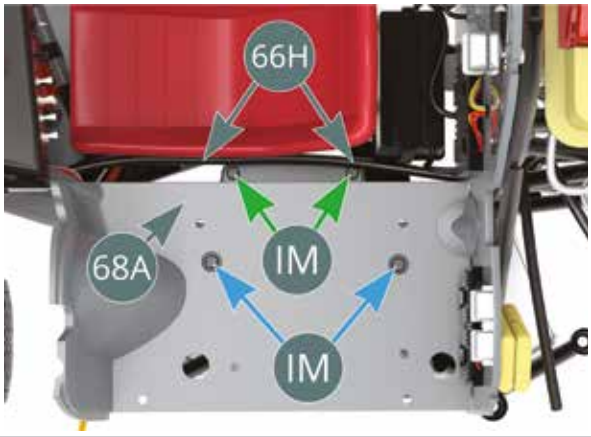




STEP 5

Fix 68A Left cockpit panel with two IM screws to 31B Frame (blue arrows) and two IM screws to 25A Chassis frame (green arrows) Refer to upper and lower illustrations, and upper illustration on previous page. Tighten up two 66H water hoses passing over 68A Left cockpit panel flange.





General view





Parts of the issue 69

69A Left sponson platform

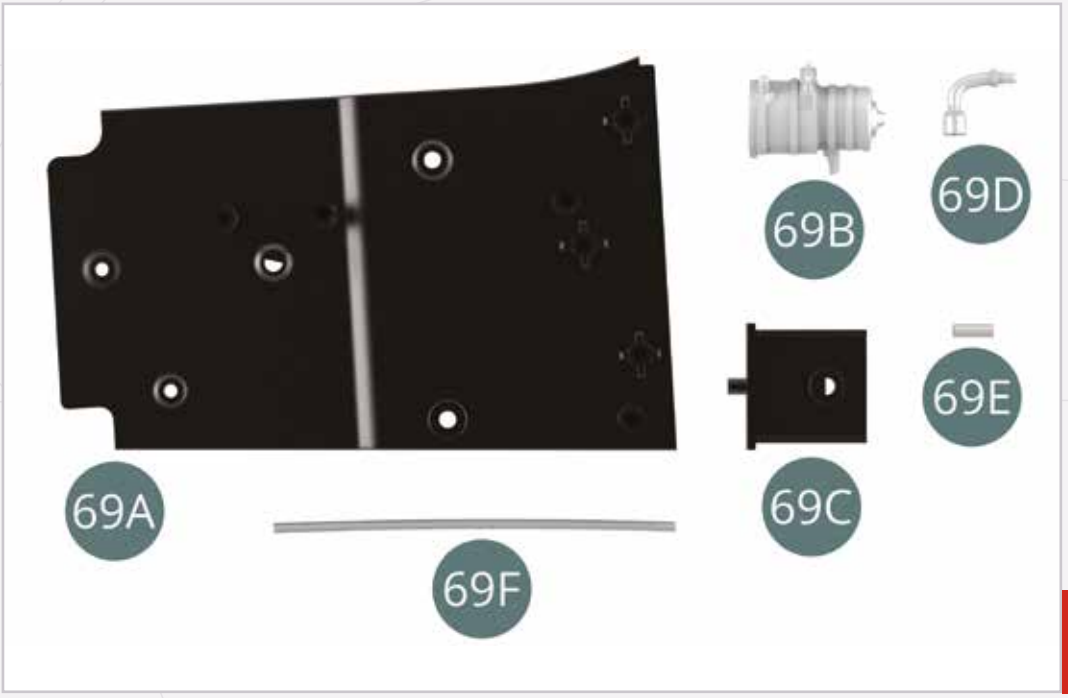
69B Fuel pump

69C Pump shield

69D Pump fitting

69E Connector

69F Braided fuel line



Left sponson platform and fuel pump assembly

Assembly diagram



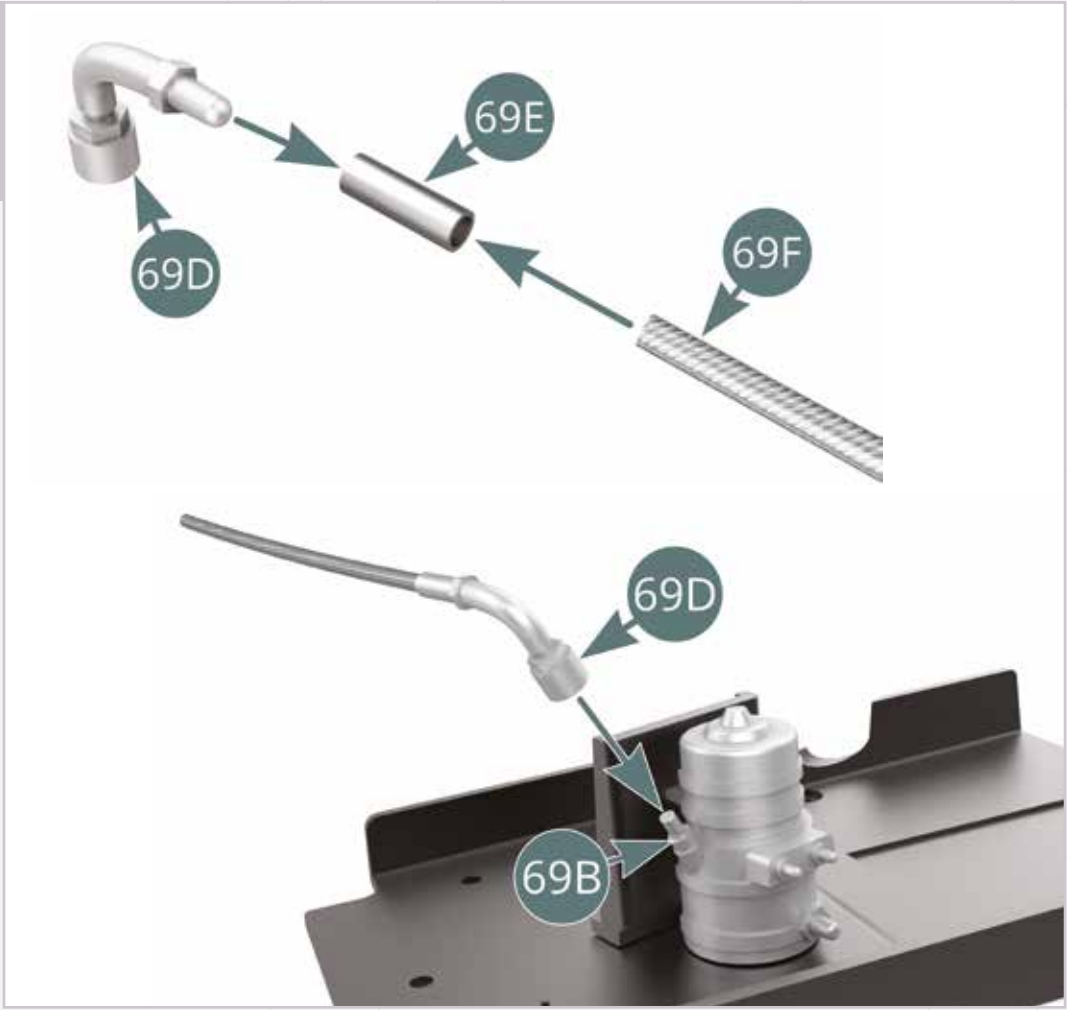
STEP 1

Fit 69B Fuel pump to 69C Fuel shield. Fit 69C Fuel shield with attached pump to 69A Left sponson platform.

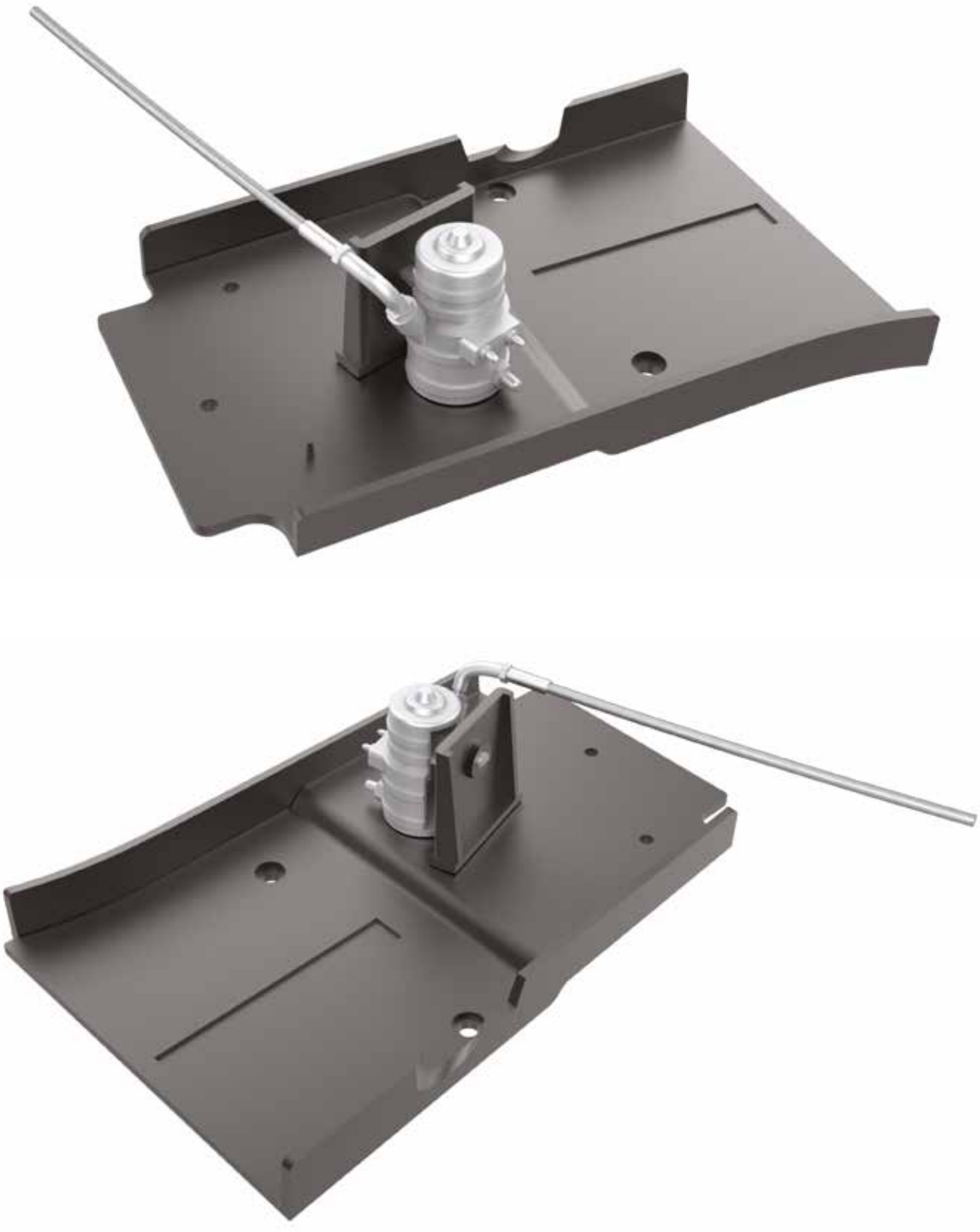


STEP 2

Fit 69F Braided fuel line to 69D Pump fitting through 69E connector. Fit 69D Pump fitting to 69B Fuel pump.



General view



Parts of the issue 70

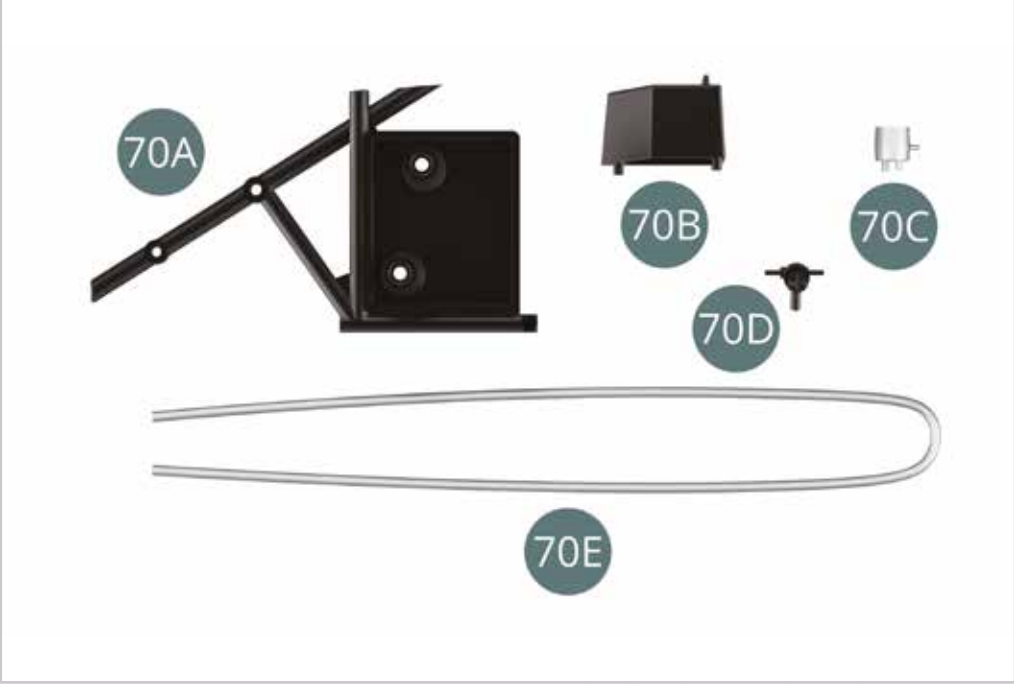
70A Oil tank base frame

70B Fuel collector pot

70C Cap

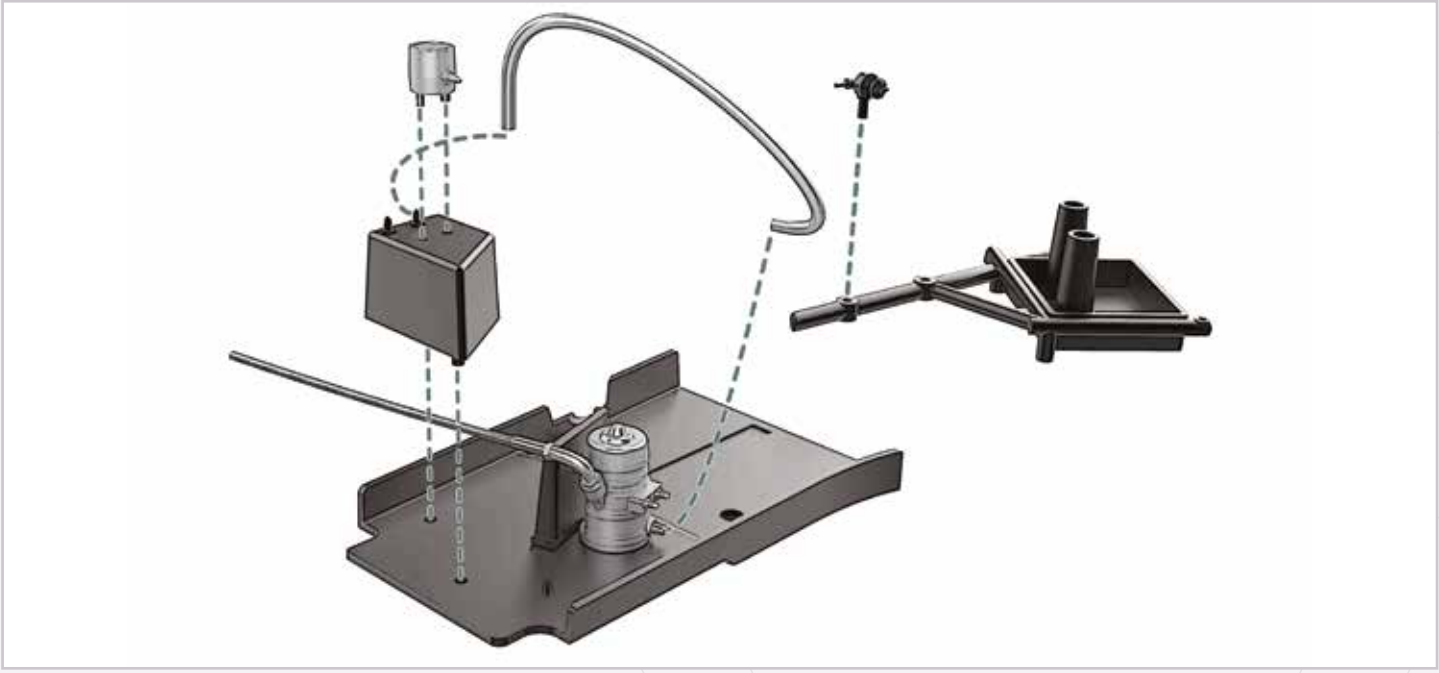
70D Electrical cut-out switch

70E Fuel hose



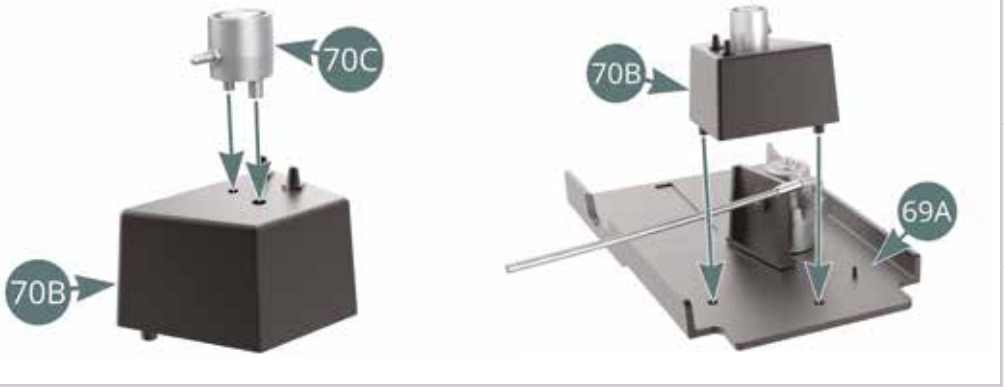
Left sponson platform, fuel collector pot attachment and fittings preassembly

Assembly diagram



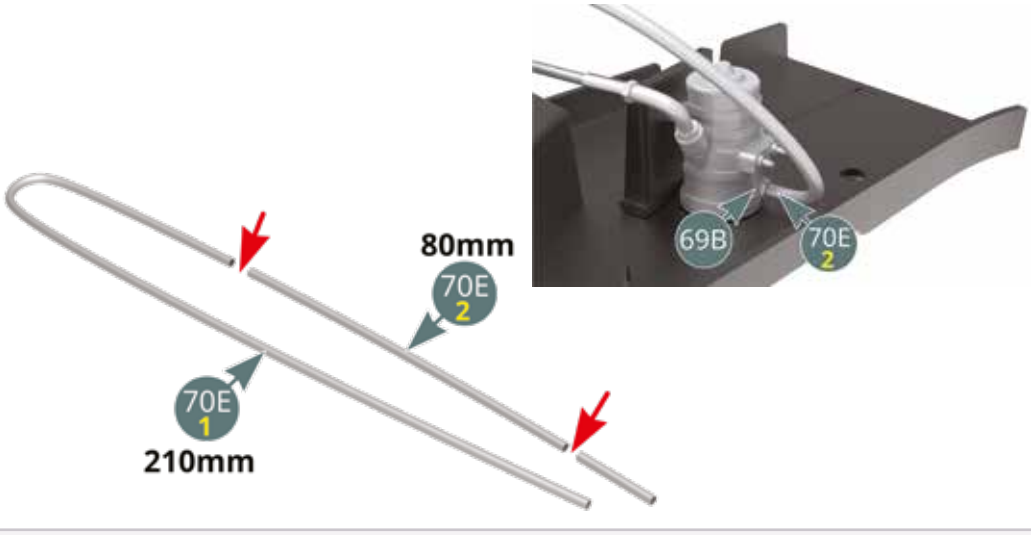
STEP 1

Fit 70C Cap to 70B Fuel collector pot.
Fit 70B Fuel collector pot to 69A Left sponson platform.



STEP 2

Cut 70E-1 Fuel hose 210mm long, and 70E-2 Fuel hose 80mm long from the supplied 70E Fuel hose. Keep 70E-1 Fuel hose for assembly in Issue #72.
Attach one end of 70E-2 Fuel hose to the lower nozzle of 69B Fuel pump.



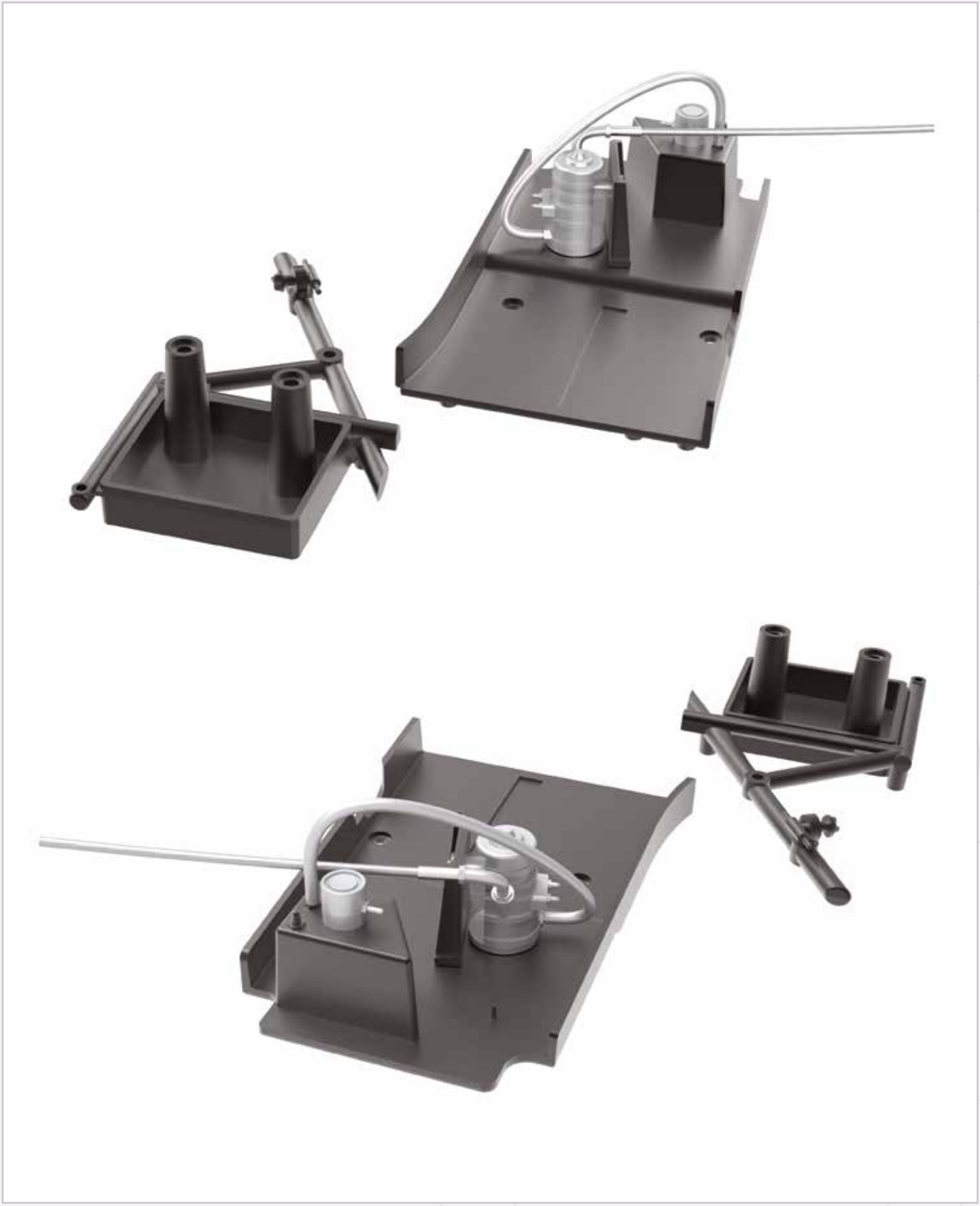
STEP 3

Attach the other end of 70E-2 Fuel hose to 70B Fuel collector pot nozzle. Fit 70D Electrical cut-out switch to 70A Oil tank base frame.





General view



Parts of the issue 71

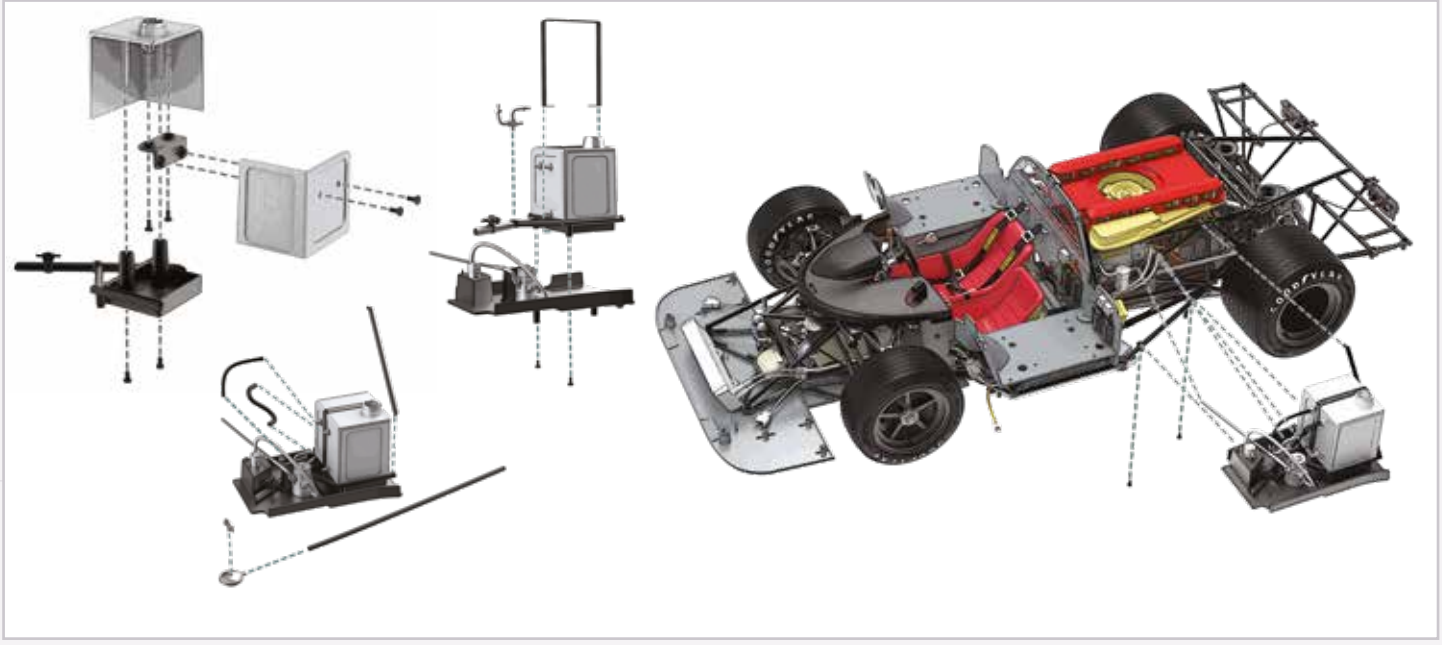
71A Oil filler cap
71B Handle
71C Oil tank body
71D Oil tank body
71E Bracket
71F Strap
71G Thermostat
71H Oil hose
71I Oil hose
71J Strut

AP M1,7 x4mm (x5)
BM M2,0 x4mm (x3)
IM M1,7 x3,5mm (x3)
MP M2,0 x5mm (x3)



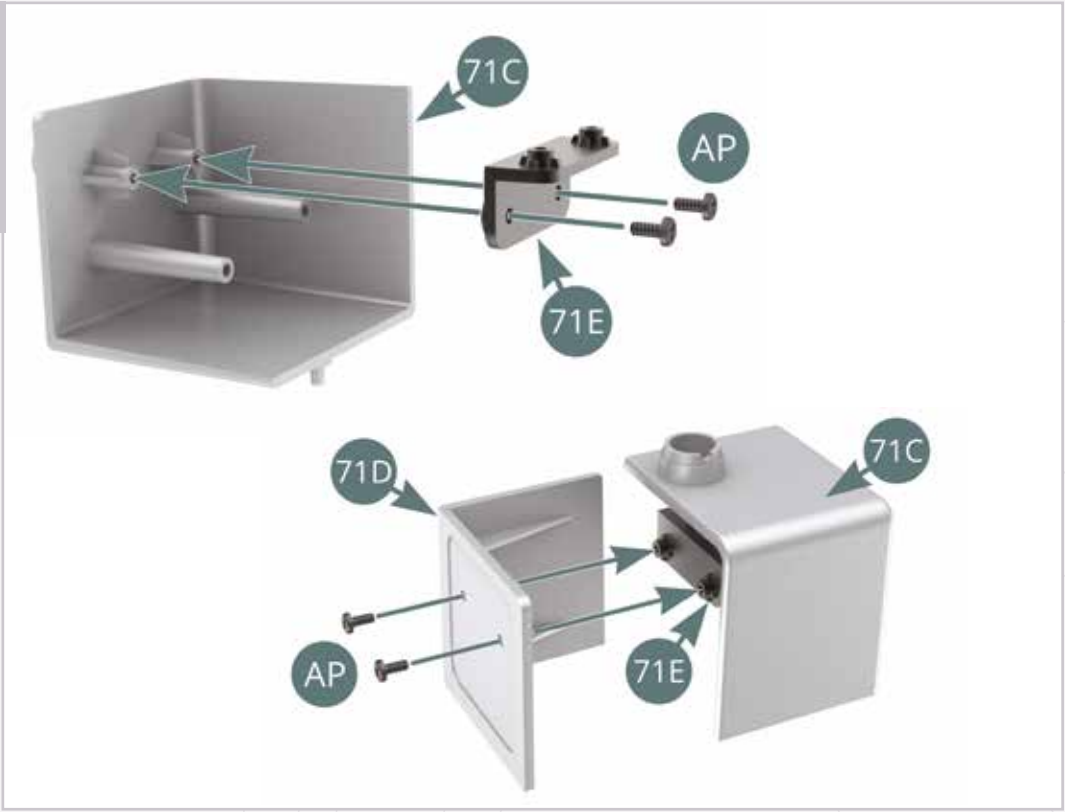
Oil tank assembly and attachment along with left sponson platform to chassis

Assembly diagram



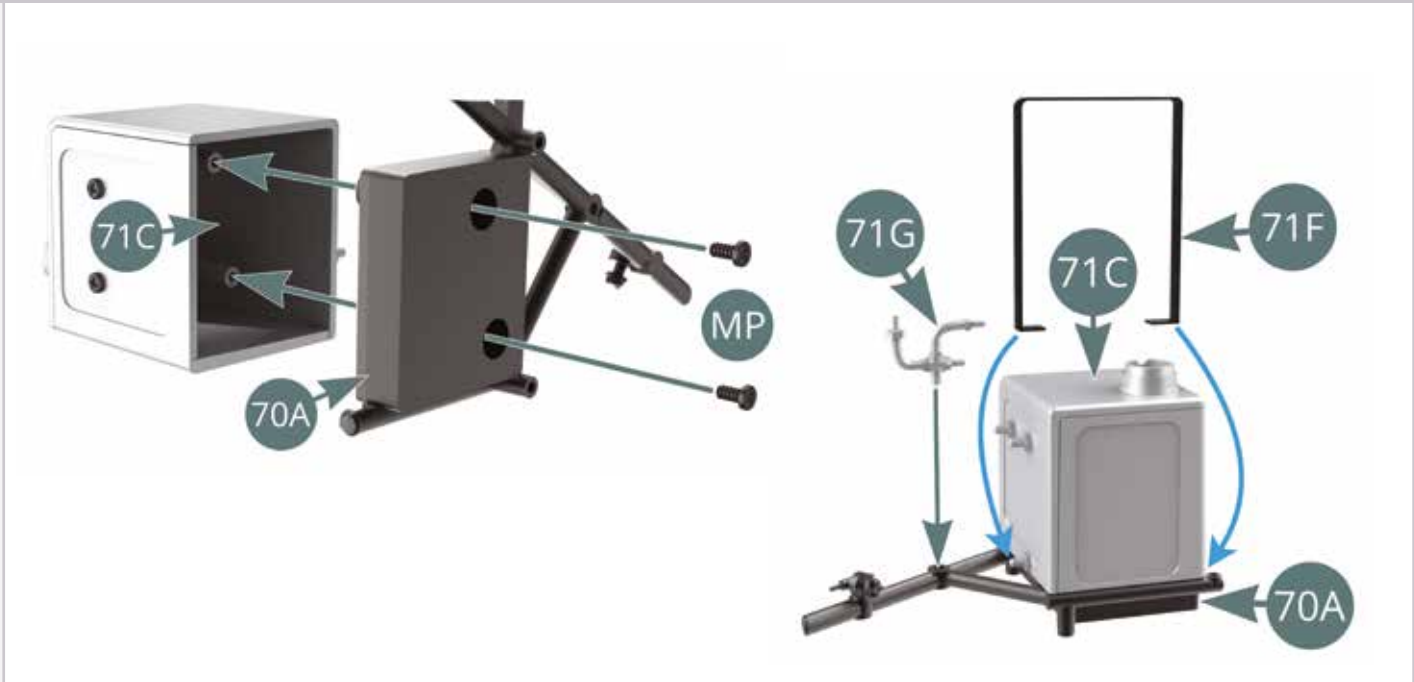
STEP 1

Fit 71E Bracket to 71C Oil tank body and fix with two AP screws.
Fit 71D Oil tank body to 71E Bracket and fix with two AP screws.



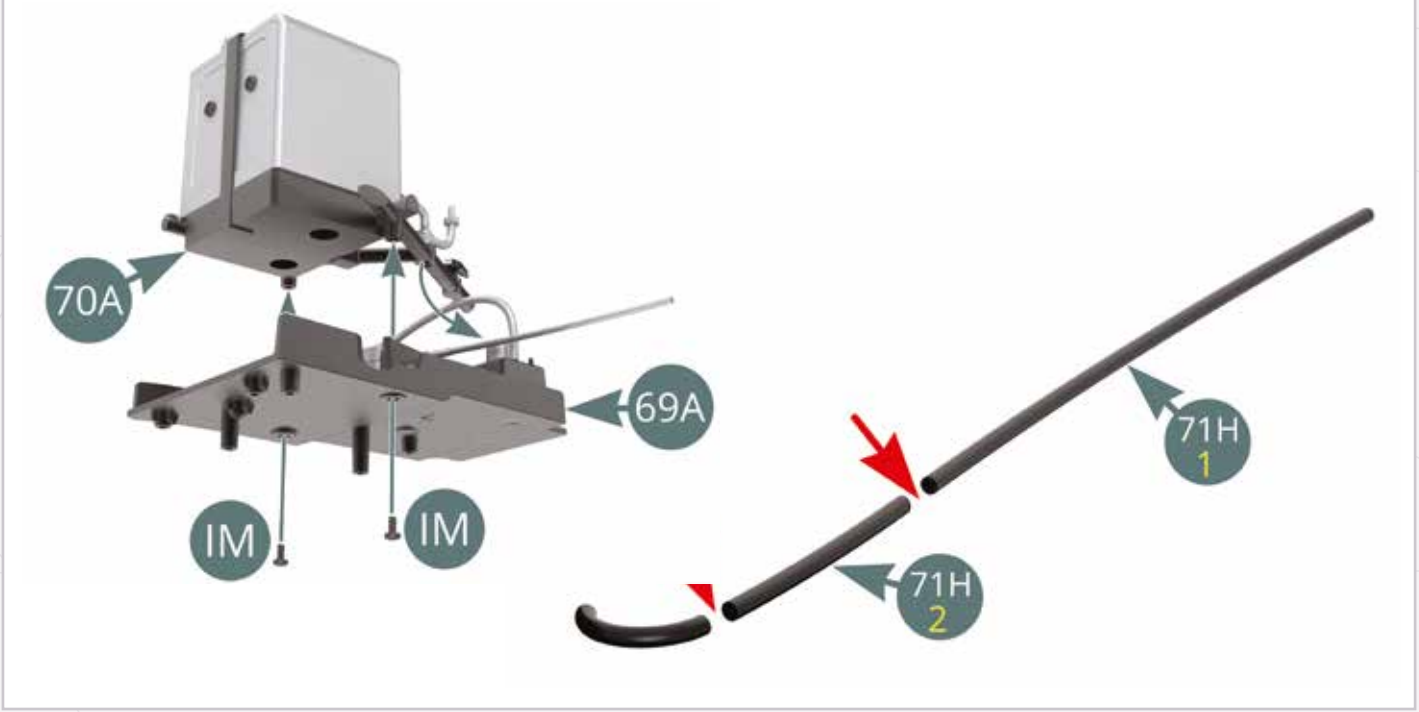
STEP 2

Fit 70A Oil tank base to 71C Oil tank body and fix with two MP screws. Fit 71G Thermostat to 70A Oil tank base bar. Put 71F Strap over 71C Oil tank body and to 70A Oil tank base.



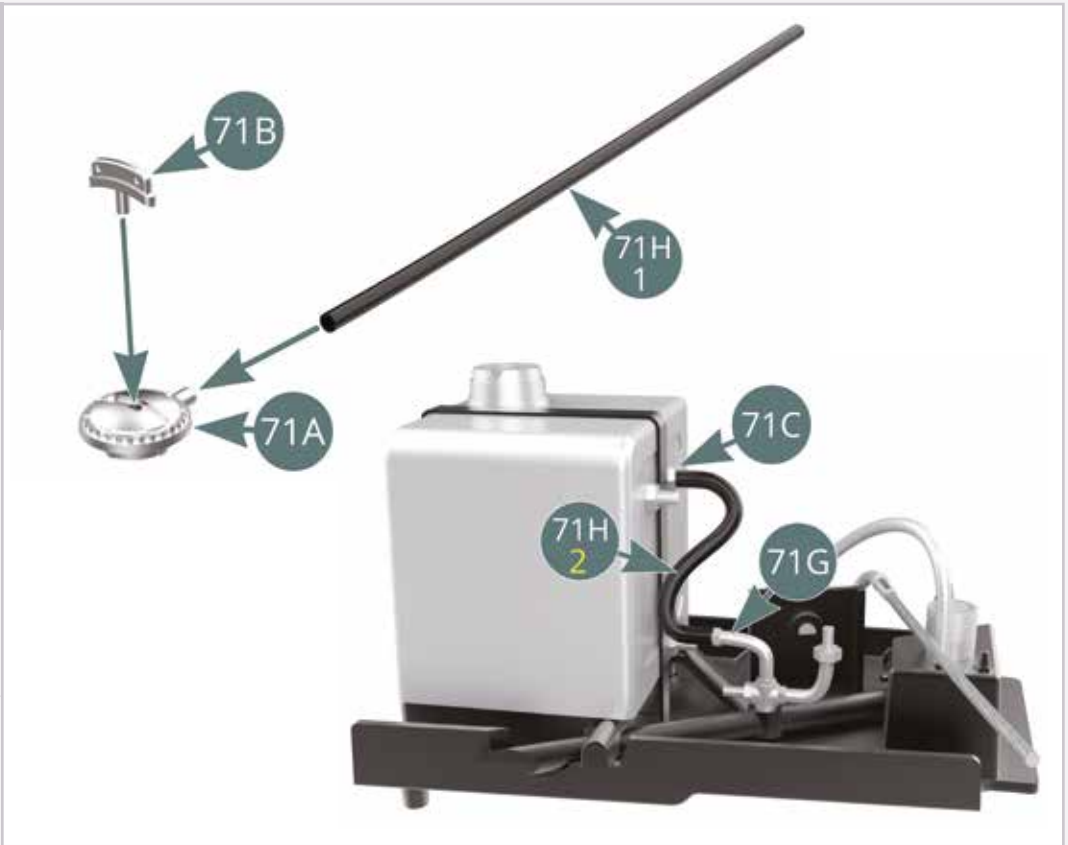
STEP 3

Fit 70A Oil tank base to 69A Left sponson platform and fix with two IM screws. Cut from 71H Oil hose two segments: 71H-1 of 140mm long, and 71H-2 of 40mm long.



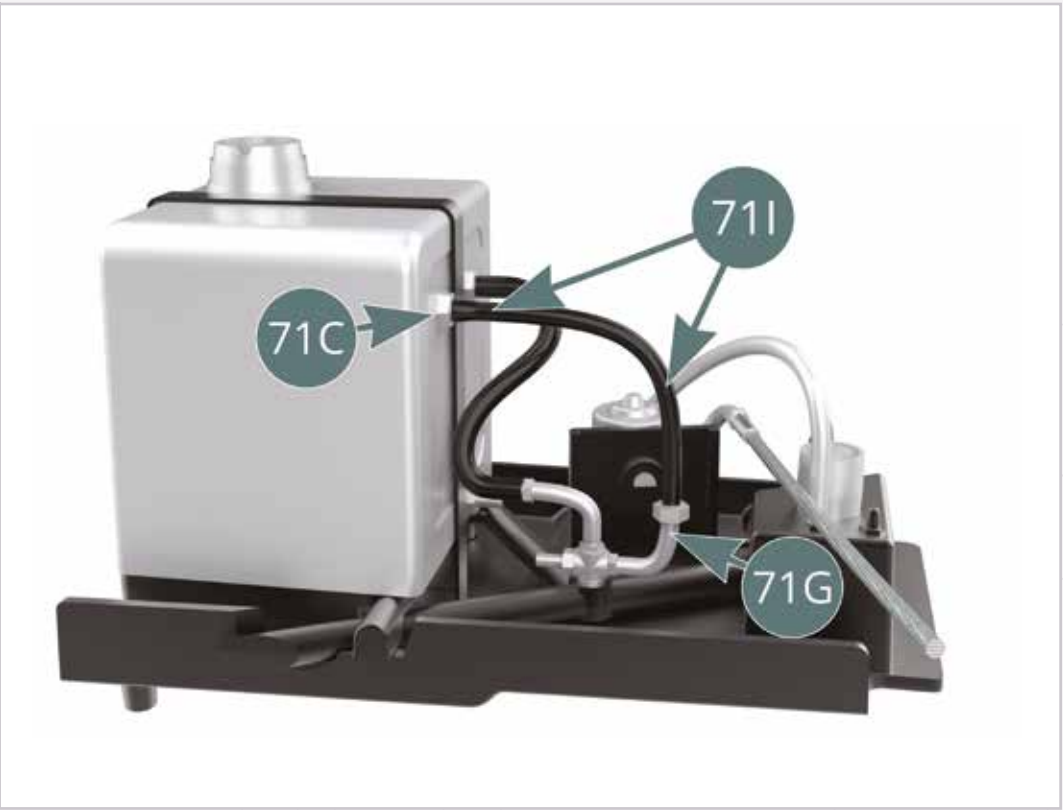
STEP 4

Fit 71H-1 Oil hose and 71B Handle to 71A Oil filler cap.
This sub assembly will be used in next Issue #72. Fit 71H-2 Oil hose between 71C Oil tank nozzle and 71G Thermostat.



STEP 5

Fit 71I Oil hose between 71C Oil tank nozzle and 71G Thermostat.



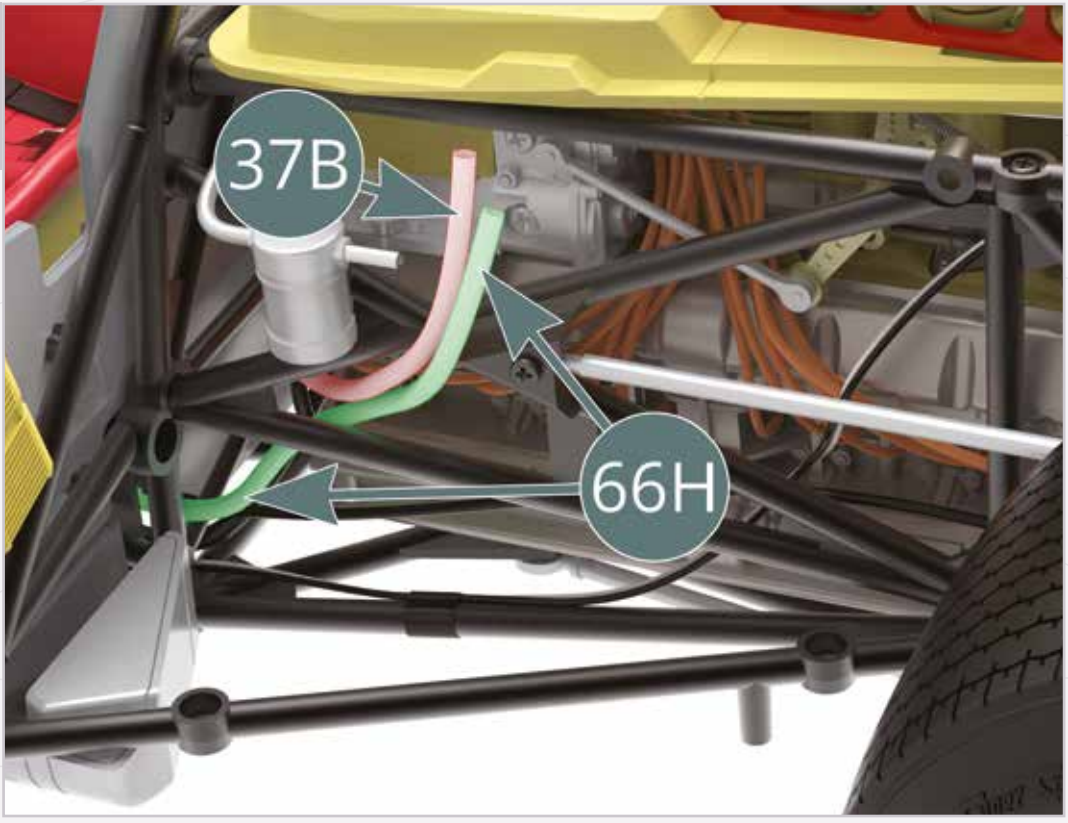
STEP 6

Fit 71J Strut (by its smaller peg) to 70A Oil tank base and along 71D Oil tank wall.



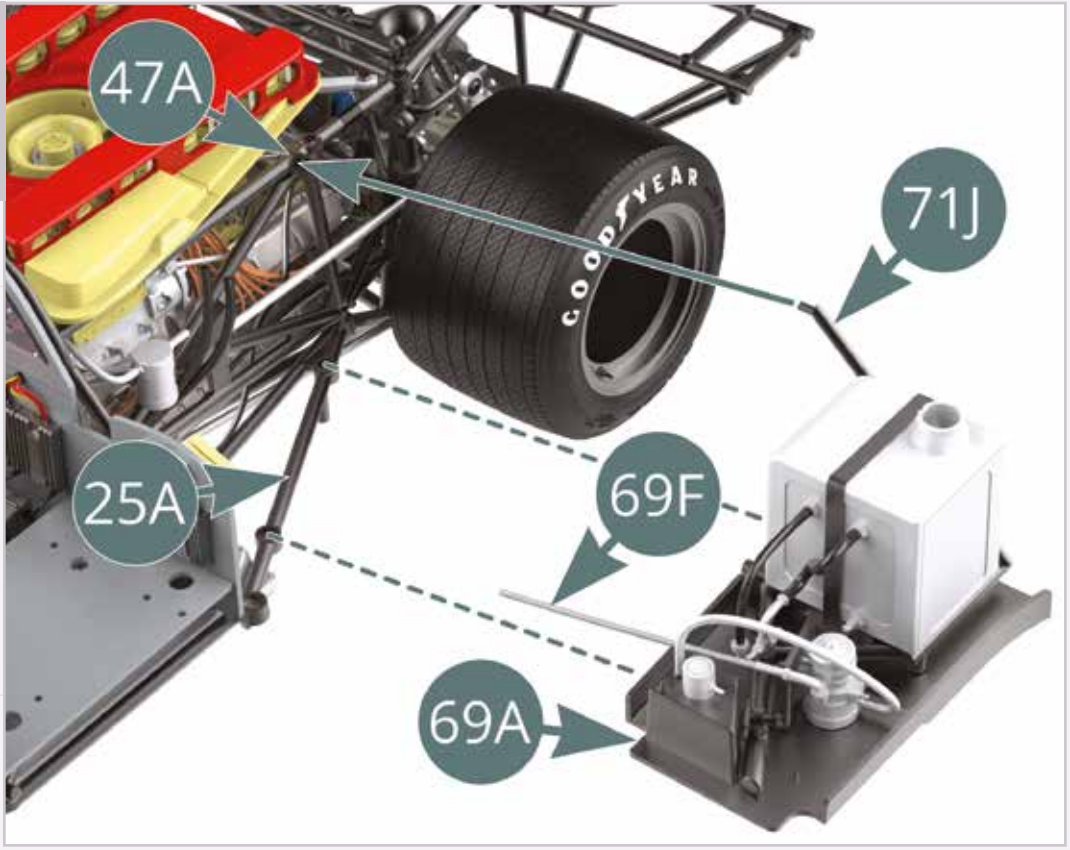
STEP 7

Lead 37B and 66H Hoses upwards as shown in red and green highlighted colors.



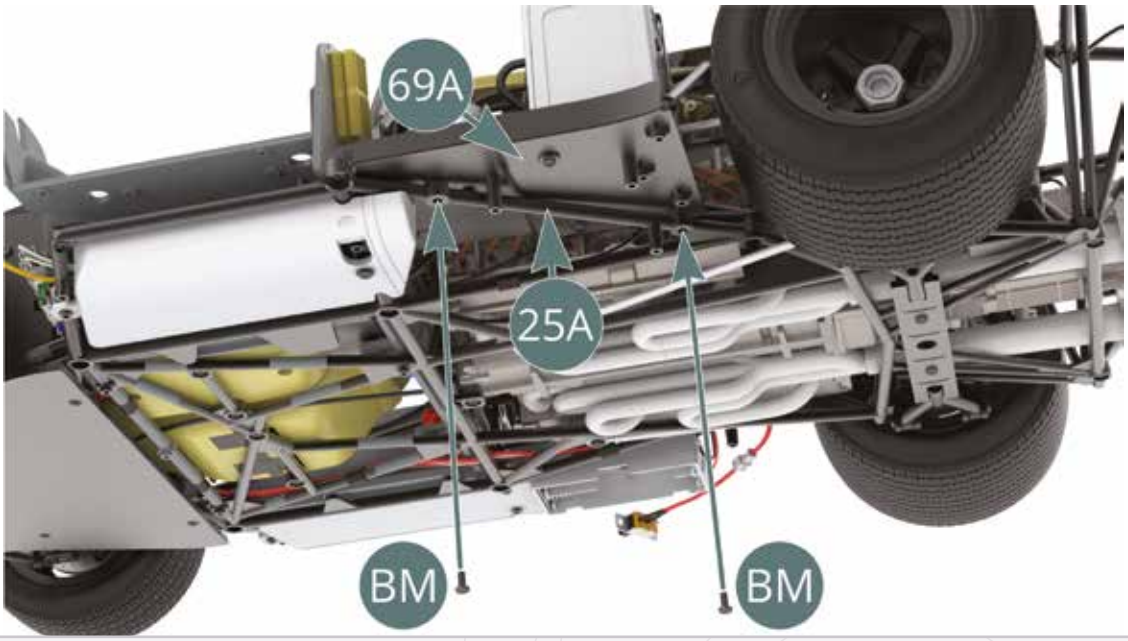
STEP 8

Fit 69A Left sponson platform to 25A Chassis frame, connecting 71J Strut to 47A Upper frame socket.



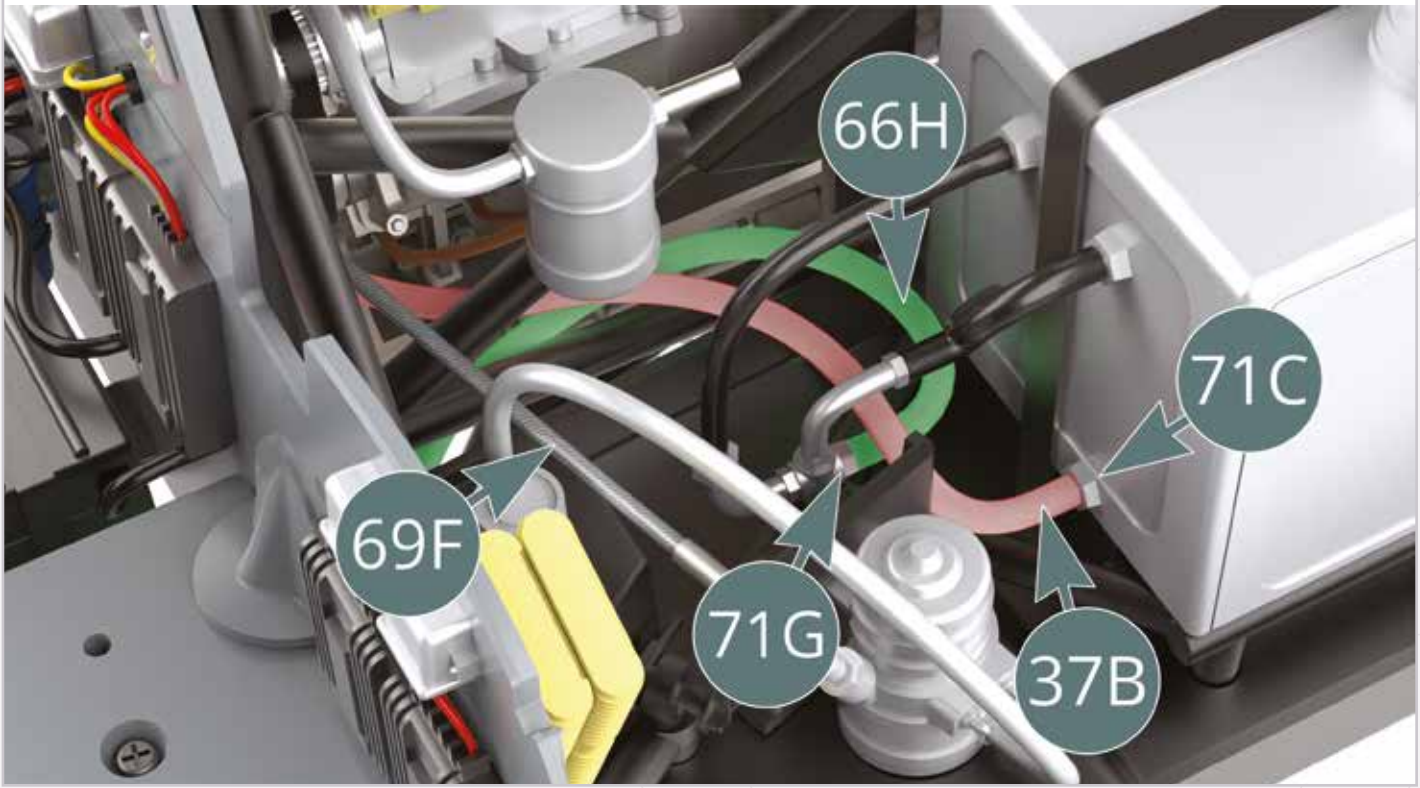
STEP 9

Fix 69A Left sponson platform to 25A Chassis frame by two BM screws.



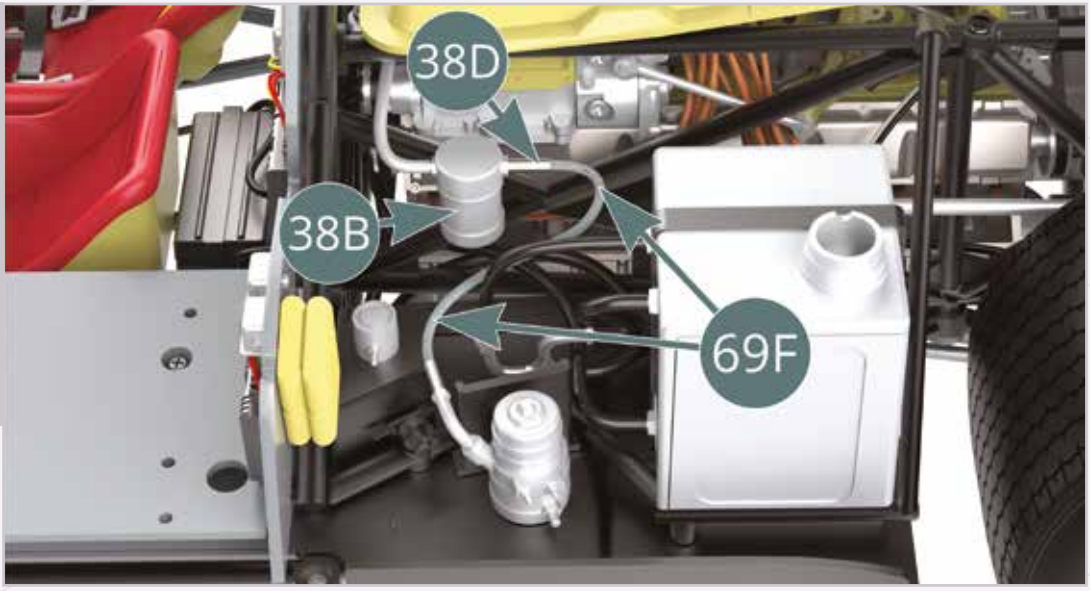
STEP 10

Fit green highlighted 66H Hose to 71G Thermostat. Fit red highlighted 37B Hose to 71C Oil tank nozzle.

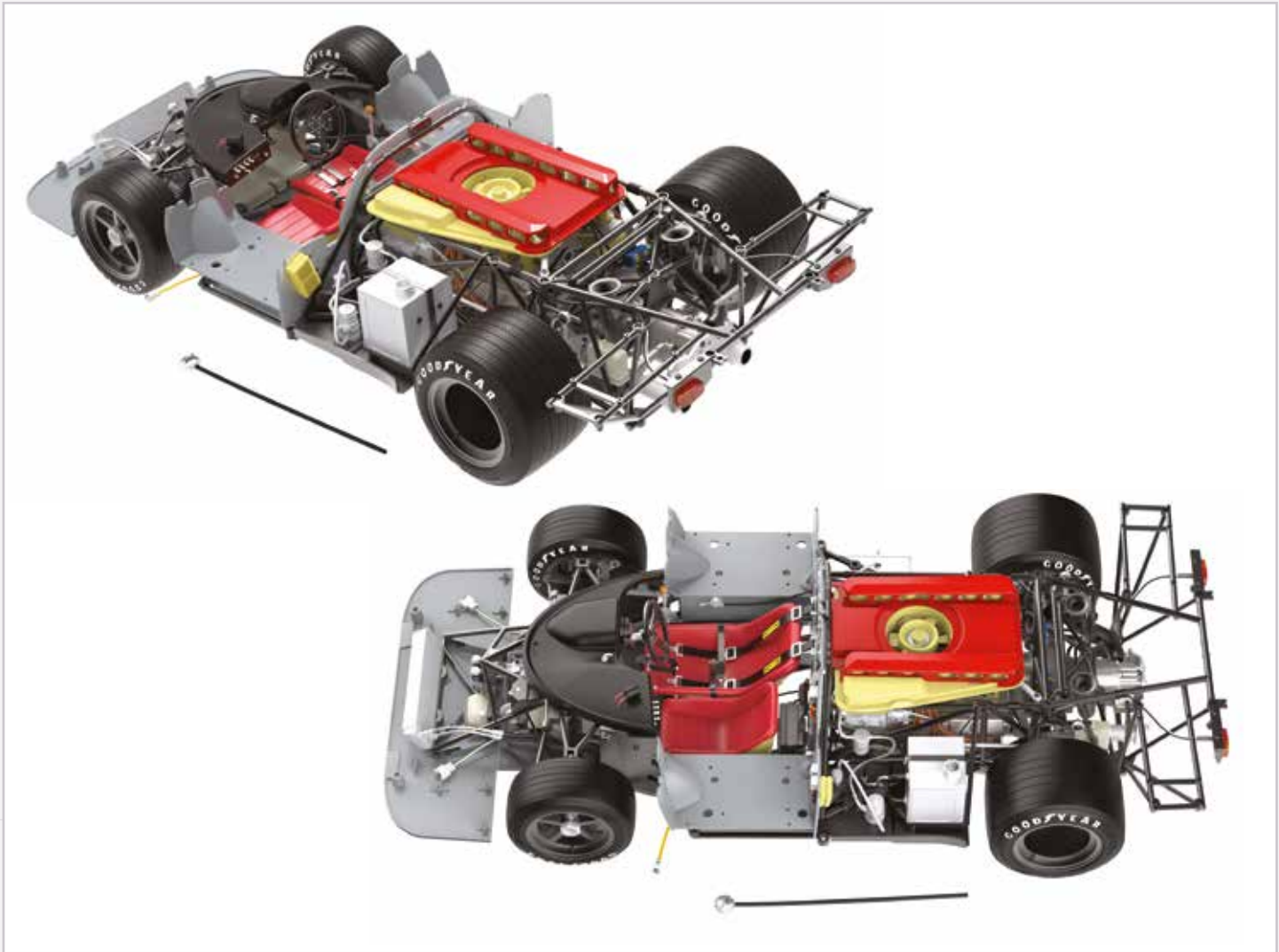


STEP 11

Fit 69F Braided fuel line to 38D Connector of 38B Fuel filter.
Please note that 69F Braided Fuel Line should assume natural, free style, larger curvature bends than you see on assembly guiding illustration, to alleviate load on plastic connecting pins.



GENERAL VIEW



Parts of the issue 72

72A Left rear wheel arc

72B Rear brake cooling duct

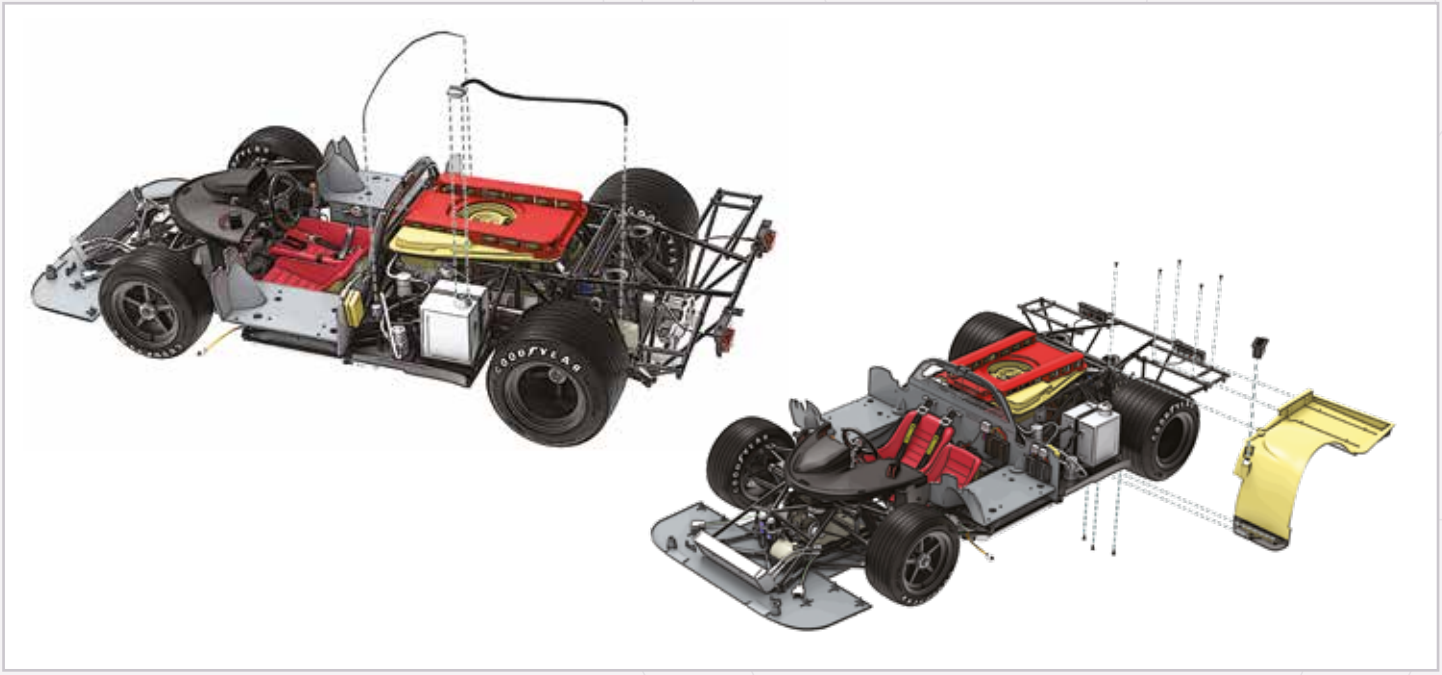
BM M2,0 x4mm (x4)

IM M1,7 x3,5mm (x6)



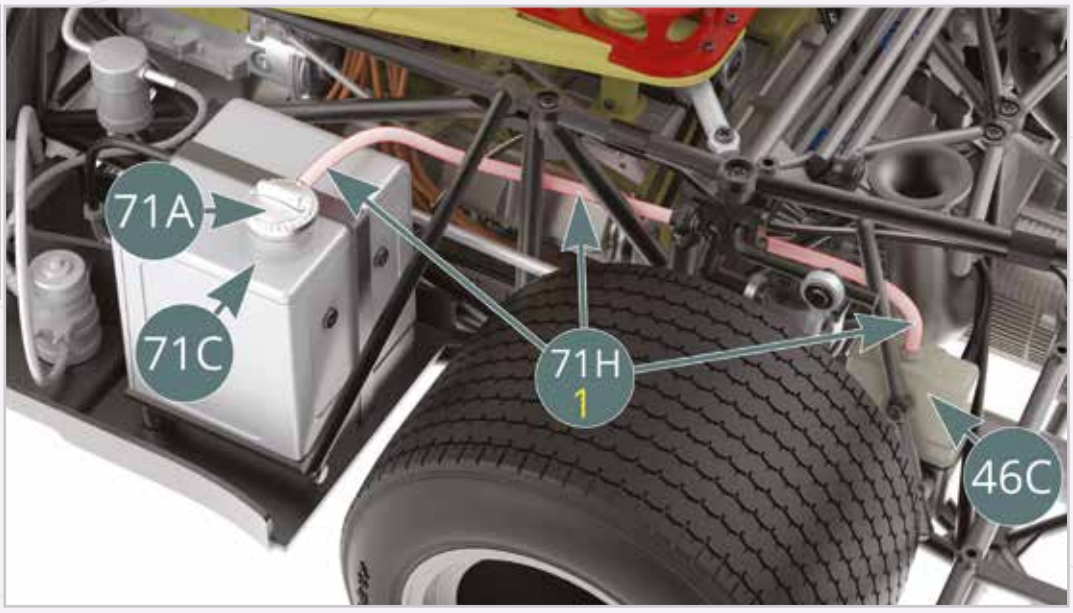
Fuel and oil lines attachment, left rear wheel arc attachment

Assembly diagram



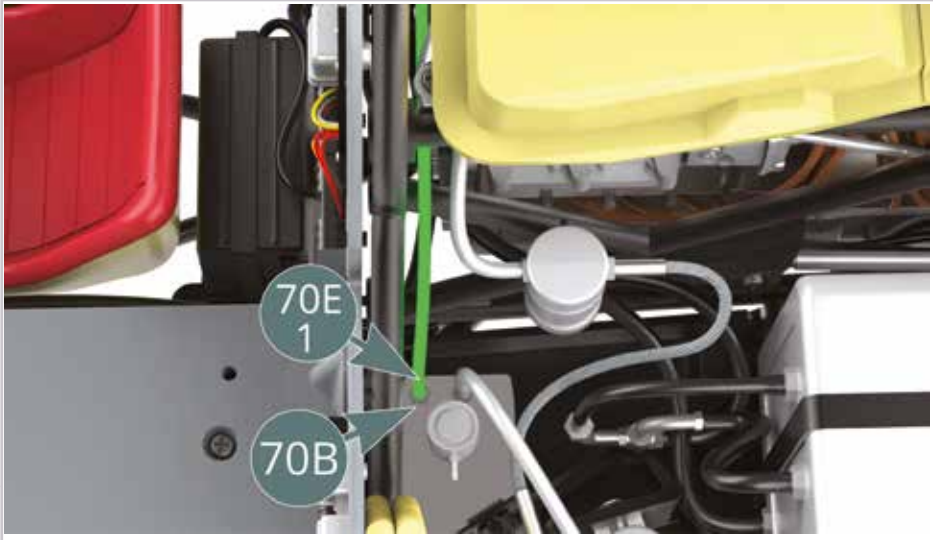
STEP 1

Fit 71A Oil filler cap to 71C Oil tank body and lead 71H-1 Oil hose (highlighted in red color) behind the engine cage bars to fit to 46C Engine oil catch tank upper nozzle.



STEP 2

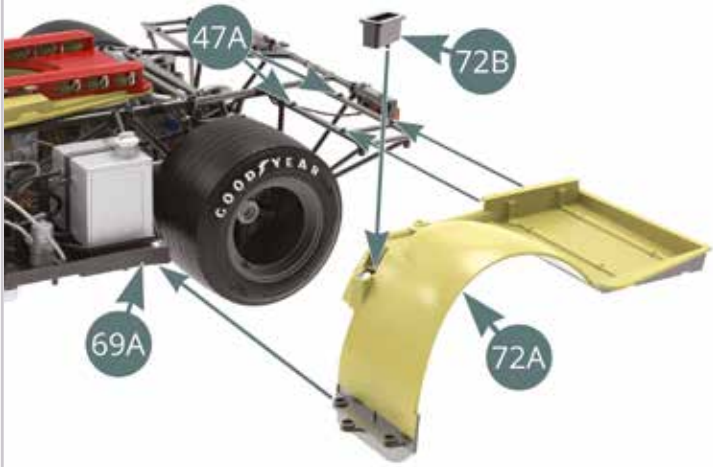
Attach one end of 70E-1 Fuel hose to 70B Fuel collector pot (highlighted in gray) nozzle on the left side of car (upper illustration), and the other end to 39B Hose manifold on the right side of car (lower illustration).

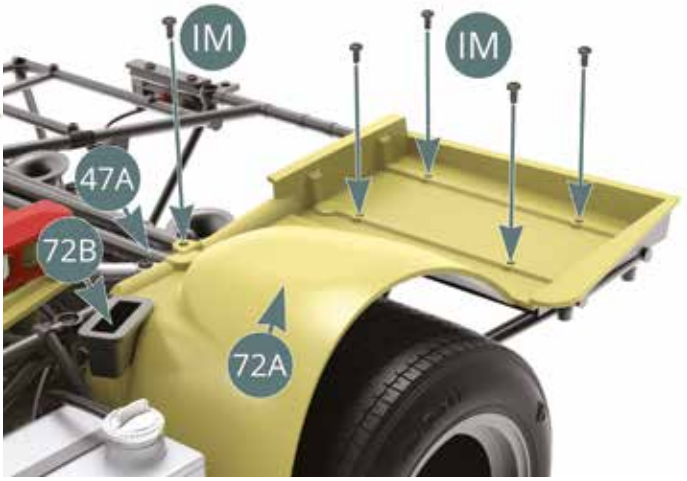




STEP 3

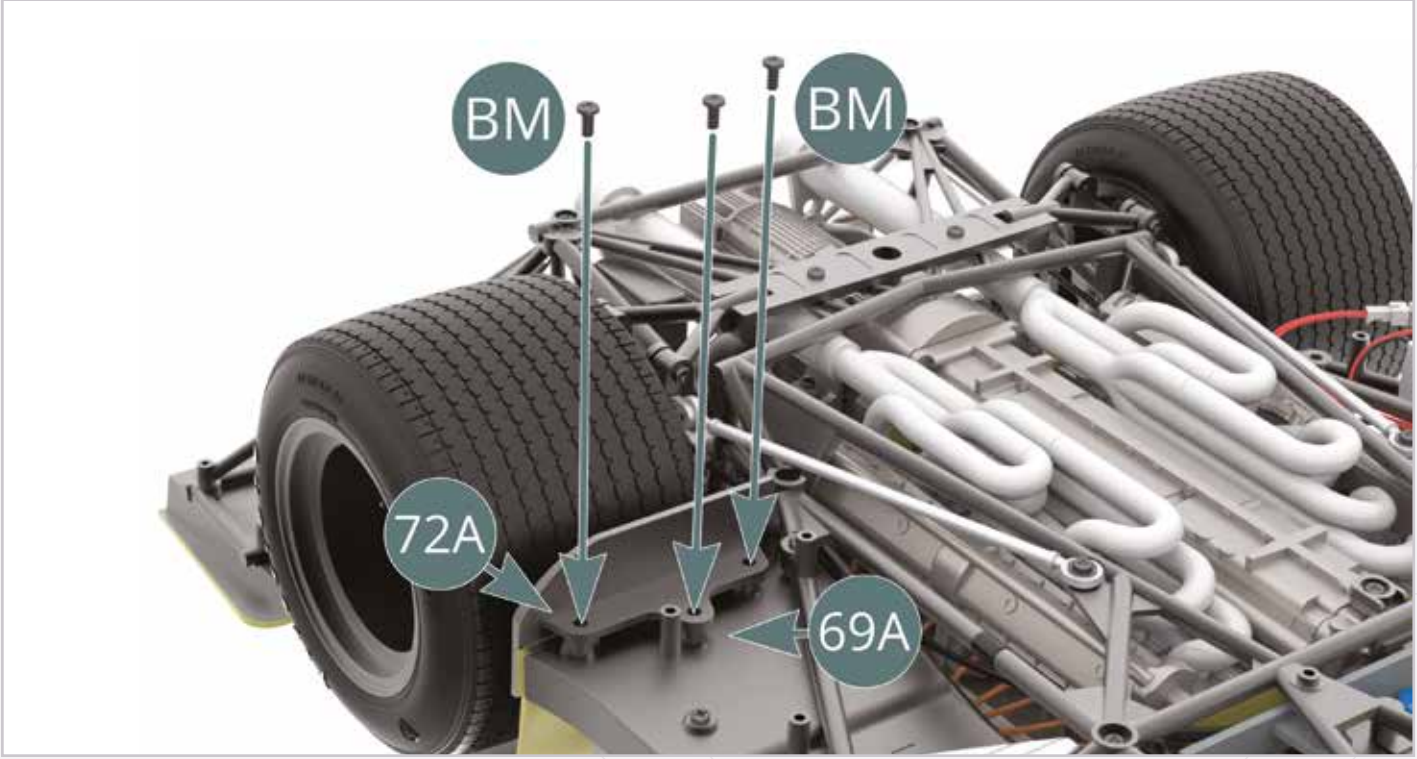
Fit 72B Rear brake cooling duct to 72A Left rear wheel arc. Fit 72A Left rear wheel arc to 47A Upper frame, with its front bracket under 69A Left sponson platform. Fix 72A Left rear wheel arc to 47A Upper frame with five IM screws.





STEP 4

Upturn the car and fix front bracket of 72A Left rear wheel arc to 69A Left sponson platform with three BM screws.



General view



Parts of the issue 73

73A Right sponson platform

73B Fuel pump

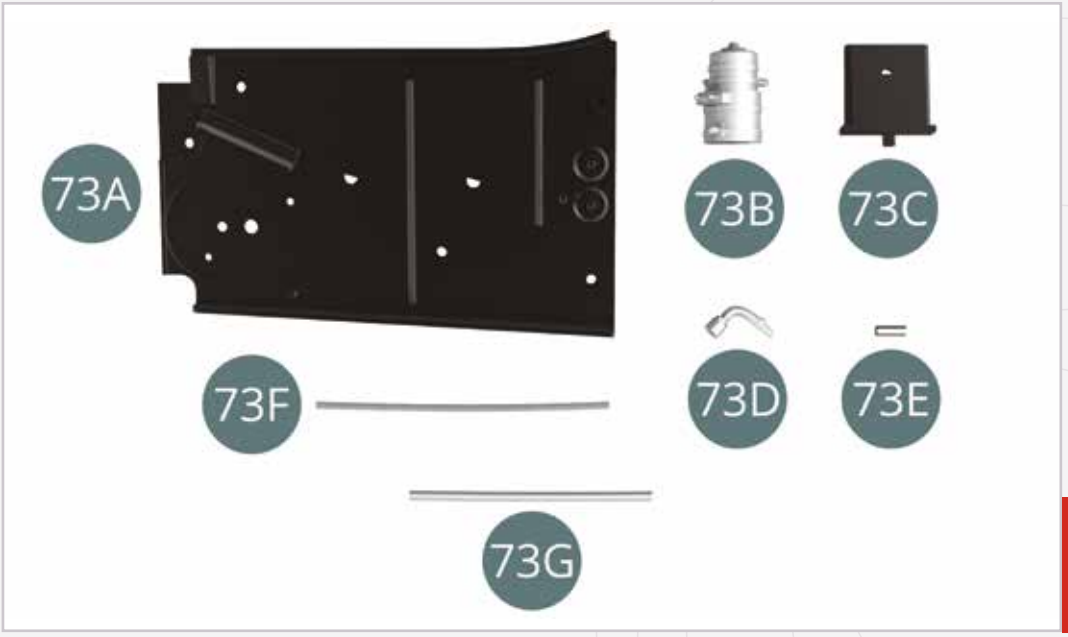
73C Pump shield

73D Pump fitting

73E Connector

73F Braided fuel line

73G Fuel line (shorter)



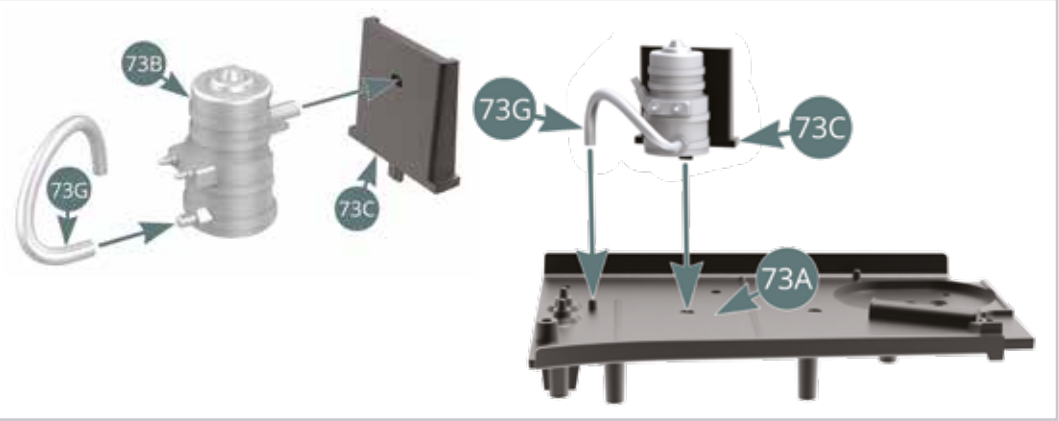
Right sponson platform fuel pump, fuel filler neck assembly and attachment

Assembly diagram



STEP 1

Fit 73B Fuel pump to 73C Fuel shield, with 73G-1 Fuel line connected to its lower nozzle. Fit 73C Fuel shield and 73G-1 Fuel line to 73A Right sponson platform socket and nozzle.



STEP 2

73B Fuel pump is attached to 73A Right sponson platform. Fit 73F Braided fuel line to 73D Pump fitting through 73E connector.

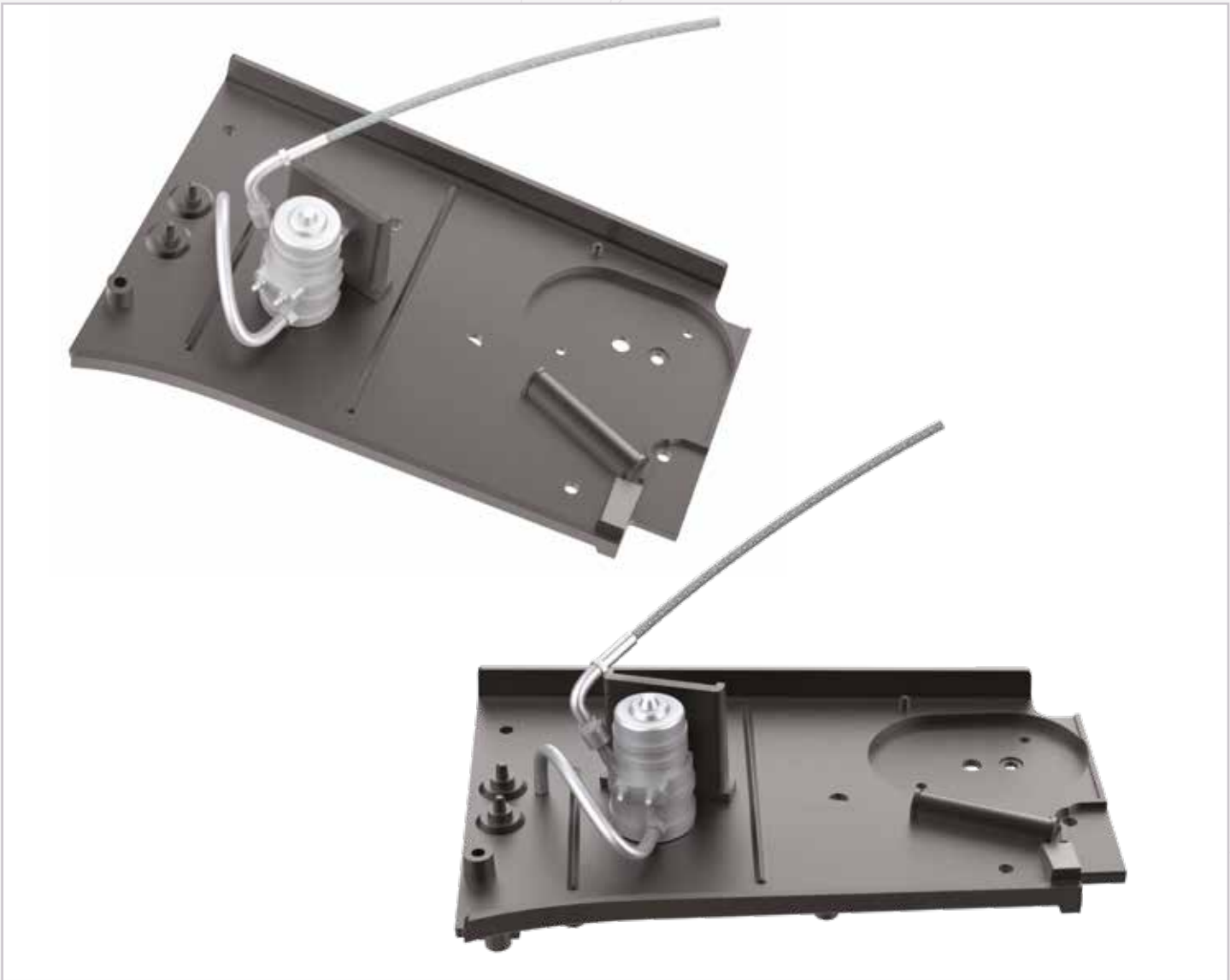


STEP 3

Fit 73D Pump fitting to 73B Fuel pump.



General view



Parts of the issue 74

74A Battery box

74B Battery tray

74C Battery cover

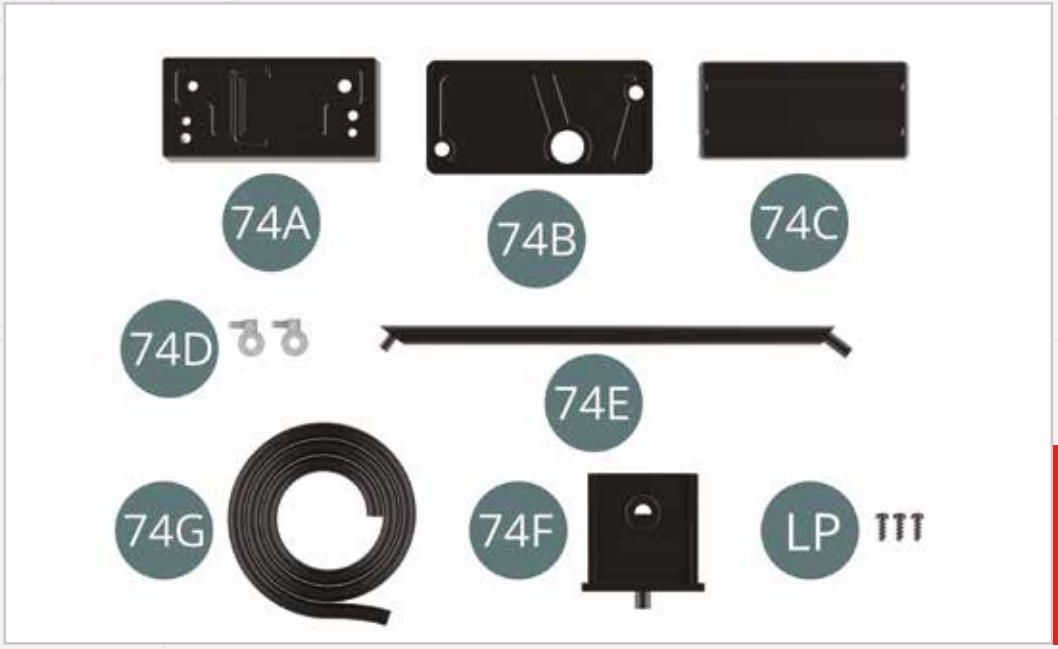
74D Contact clamps (x2)

74E Strut

74F Pump shield

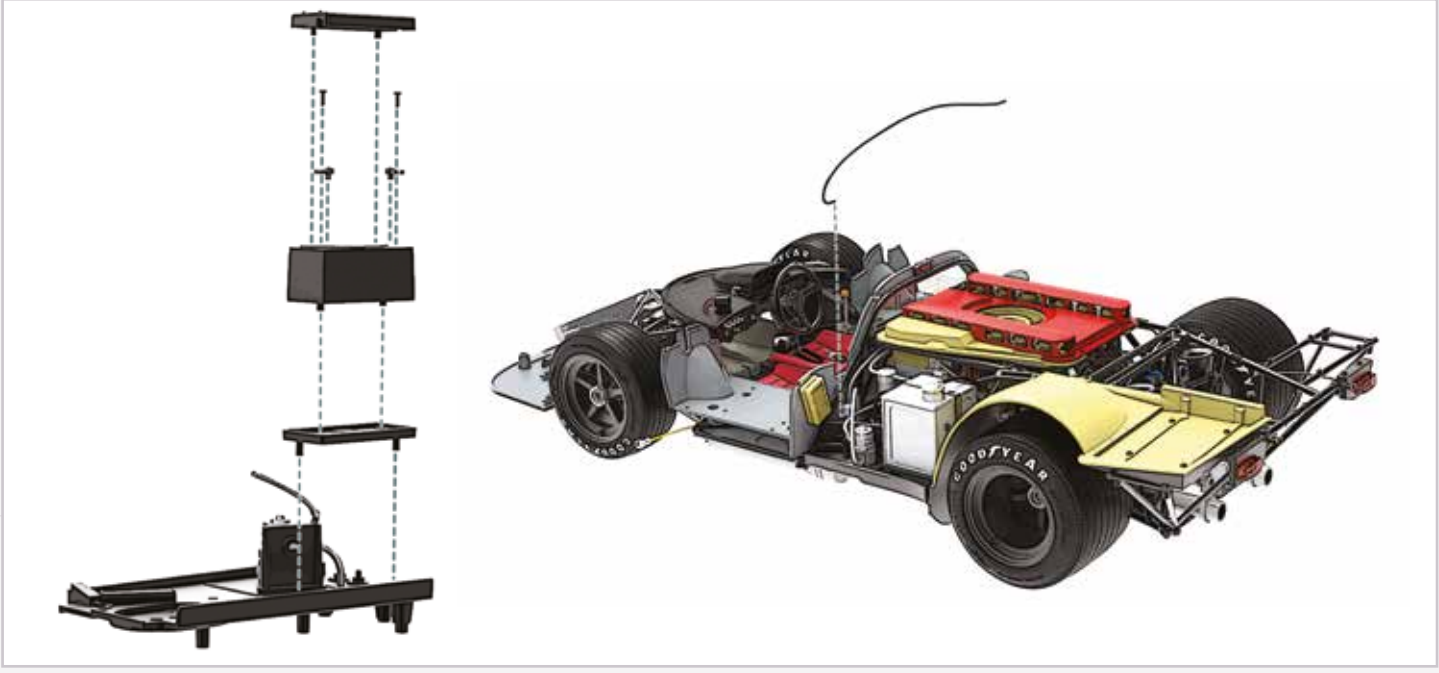
74G Fuel breather hose

LP M1,2 x3,5mm (x3)



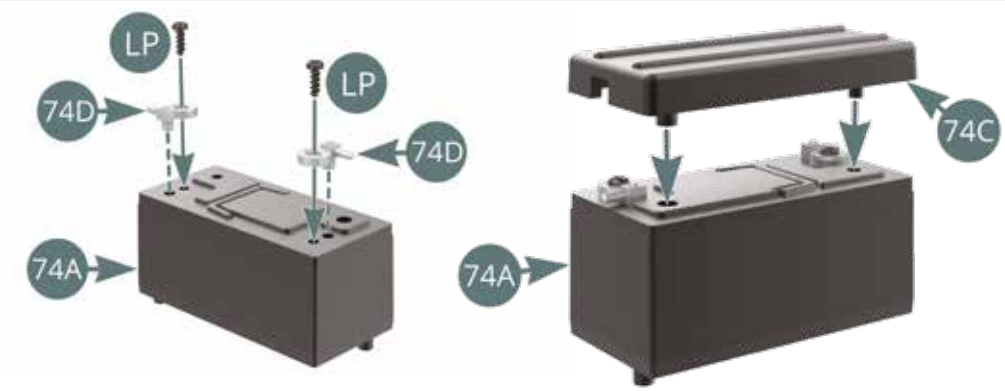
Replacement battery assembly and attachment. Fuel breather hose attachment

Assembly diagram



STEP 1

Fit two 74D contact clamps to 74A Battery box top and fix with two LP screws.



STEP 2

Fit 74B Battery tray to 73A Right sponson platform. Fit 74A Battery box to 74B Battery tray.



STEP 3





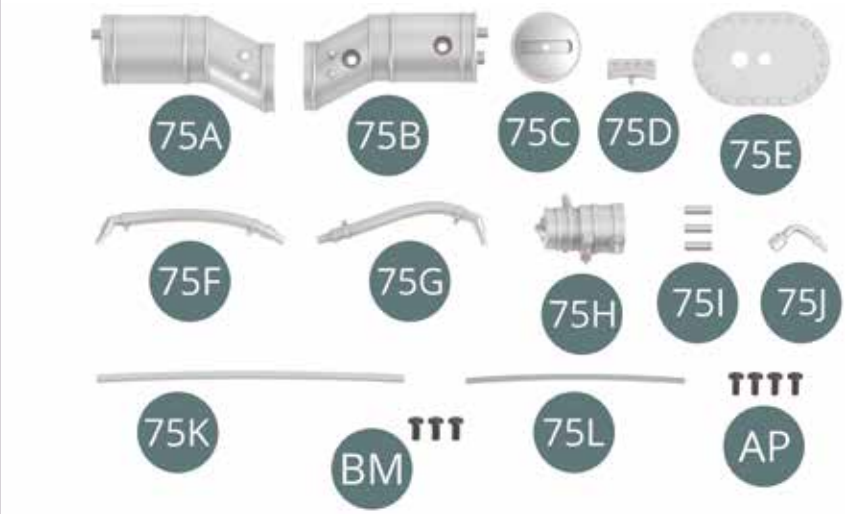
Attach 74G Fuel breather hose to 70C Cap of fuel collector on the left side of car, and pass it to the right side of car (upper illustrations).

General view



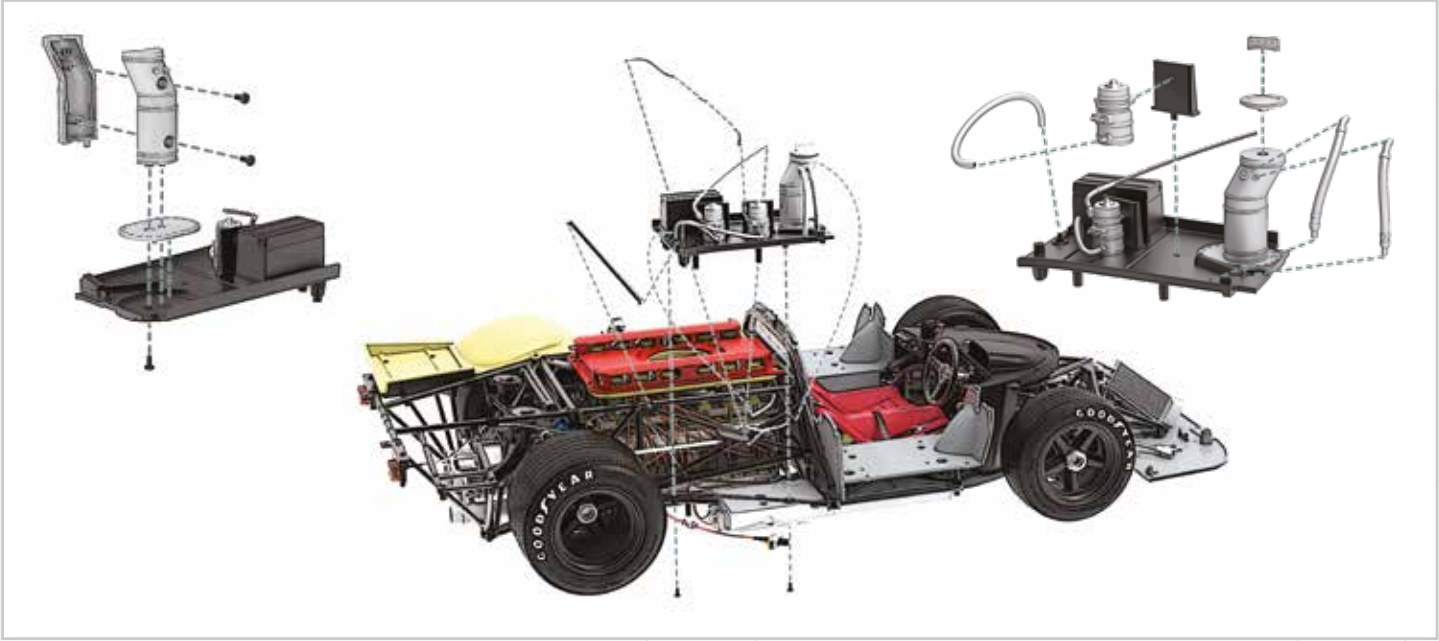
Parts of the issue 75

75A Fuel filler neck
75B Fuel filler neck
75C Fuel filler cap
75D Handle
75E Flange
75F Fuel pipe
75G Fuel pipe
75H Fuel pump
75I Connector (x3)
75J Pump fitting
75K Fuel line
75L Braided fuel line
AP M1,7 x4mm (x4)
BM M2,0 x4mm (x3)

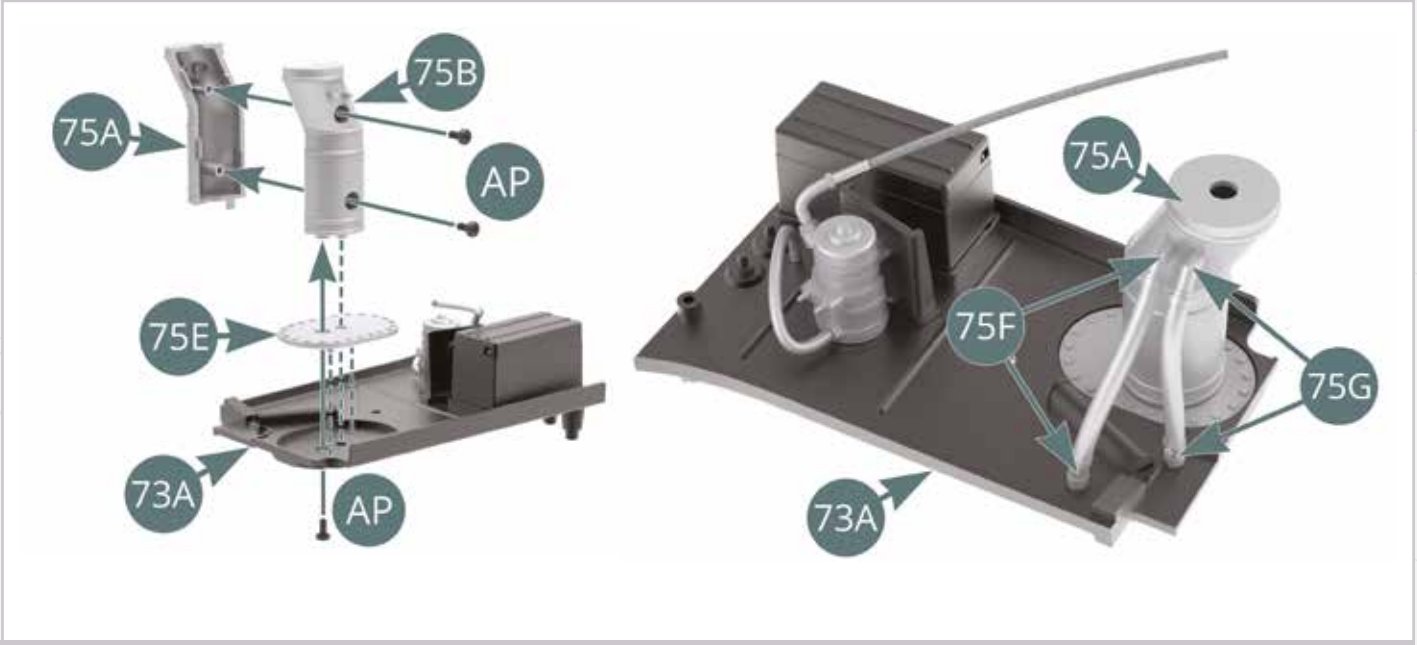


Right sponson platform fuel pump and fuel filler neck assembly and attachment

Assembly diagram



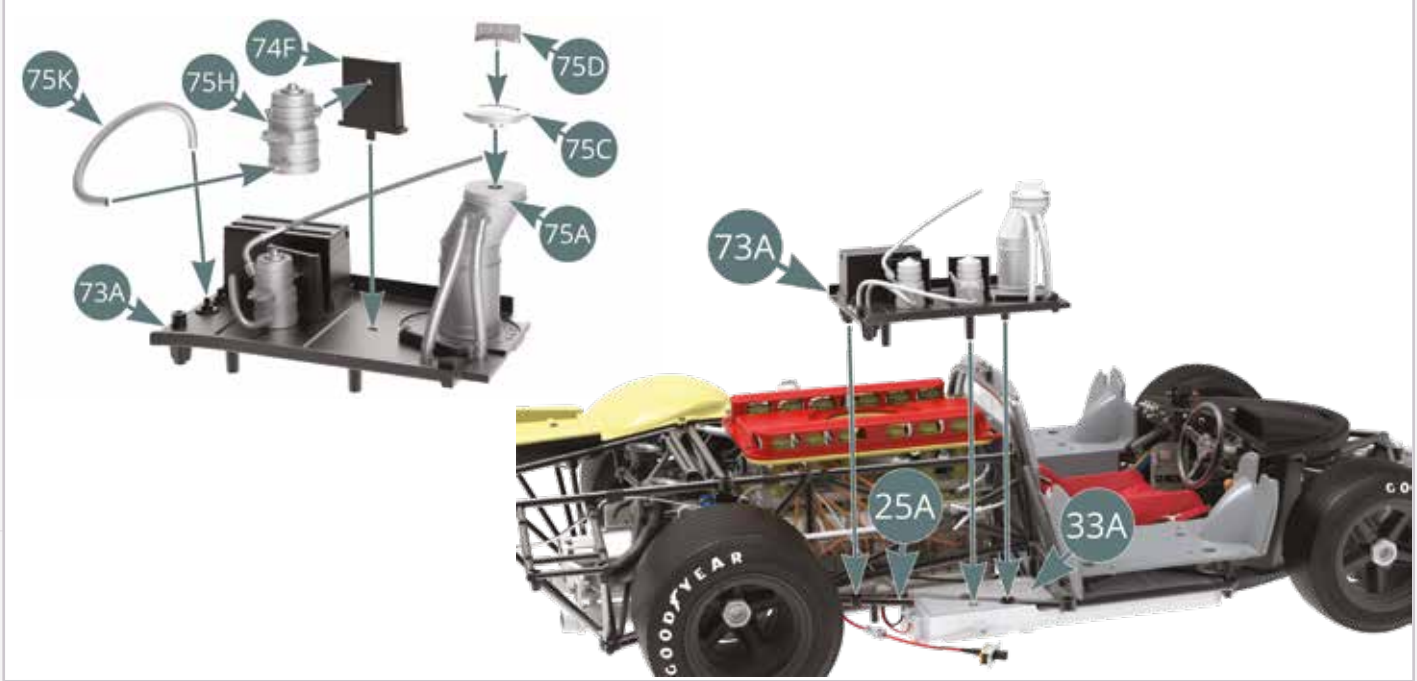
STEP 1



Fit together 75A and 75B Fuel filler neck halves and fix with two AP screws. Fit 75B Fuel filler neck to 73A Right sponson platform, with 75E Flange in between, and fix with AP screw. Fit 75F and 75G Fuel pipes to 75A Fuel filler neck and 73A Right sponson platform sockets.

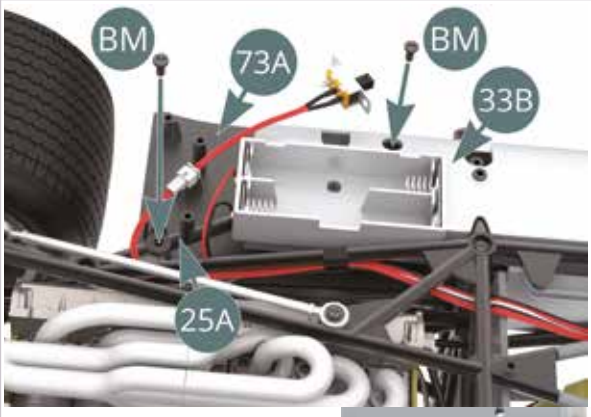
STEP 2

Fit 75D Handle to 75C Fuel filler cap. Fit 75C Fuel filler cap to 75A Fuel filler neck. Fit 75H Fuel pump to 74F Pump shield. Fit 75K Fuel line to 75H Fuel pump. Fit 74F Pump shield and free and of 75K Fuel line to 73A Right sponson platform and nozzle respectively. Fit 73A Right sponson platform to 25A Chassis frame bars and 33A Top panel of right fuel tank.



STEP 3

From the underside fix 73A Right sponson platform to 25A Chassis frame bars and through 33B Right fuel tank with two BM screws. Attach 74G Fuel breather hose to 75B Fuel filler neck nozzle (right side of car).

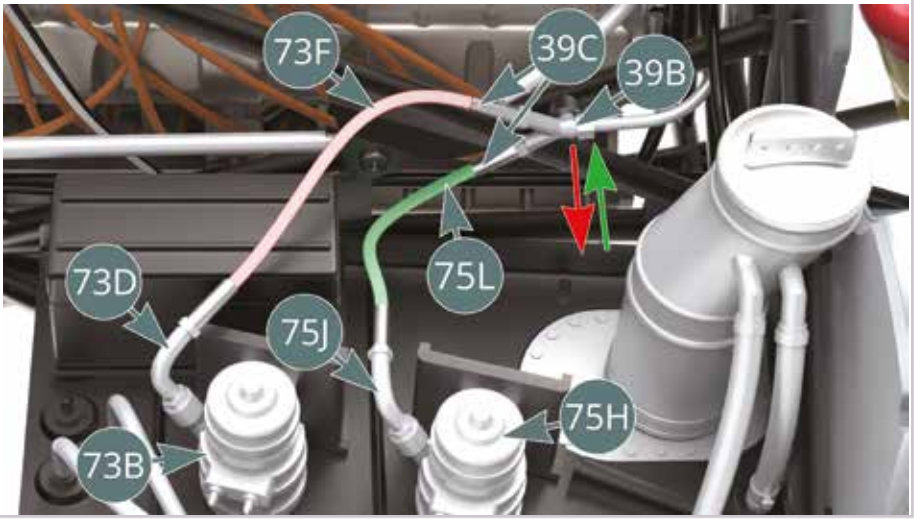




STEP 4

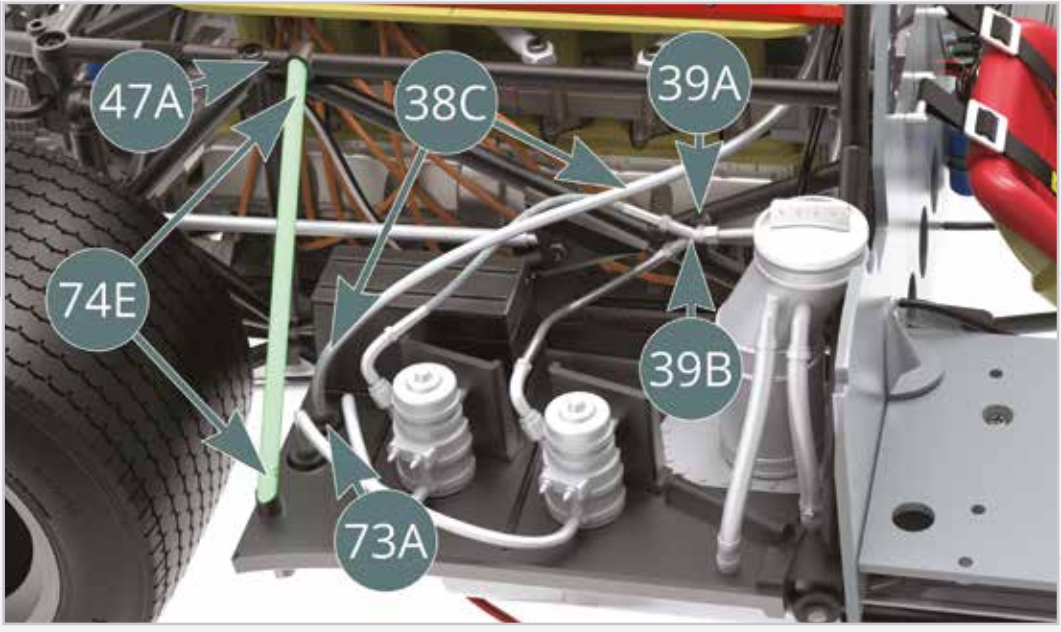
Fit 75L Braided fuel line to 75J Pump fitting through 75I Connector. Remove 39B Hose manifold (red arrow) from the frame for easier of plugging 73F and 75L Braided fuel lines into two 39C Connectors. Fit 75J Pump fitting to 75H Fuel pump. Fit 39B Hose manifold back to 39A Side frame bar (green arrow, upper and lower illustrations). Please note that 73F, 75L Braided Fuel Lines should assume natural, free style, larger curvature bends than you see on assembly guiding illustration, to alleviate load on plastic connecting pins.





STEP 5

Pull and attach 38C Fuel hose to 73A Right sponson platform remaining vacant nozzle. Fit 74E Strut between 47A Upper frame bar socket and 73A Right sponson platform corner socket.



General view



Parts of the issue 76

76A Right rear wheel arc

76B Rear brake cooling duct

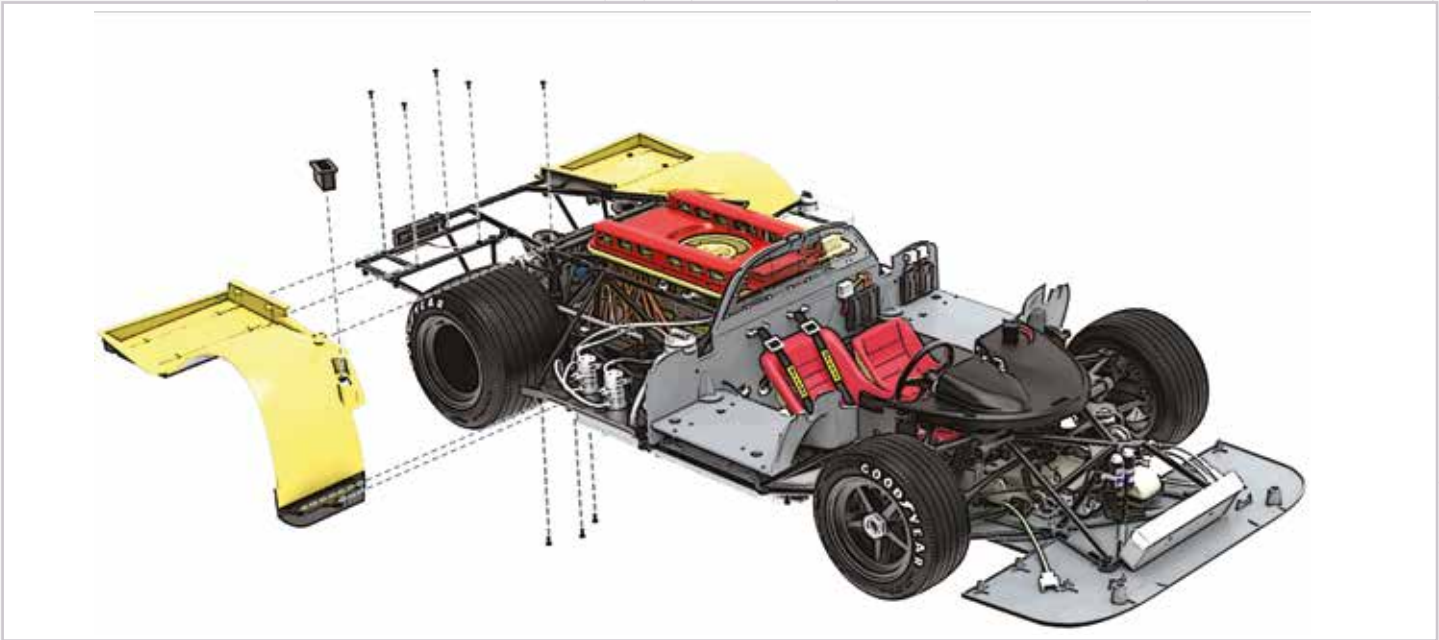
BM M2,0 x4mm (x4)

IM M1,7 x3,5mm (x6)



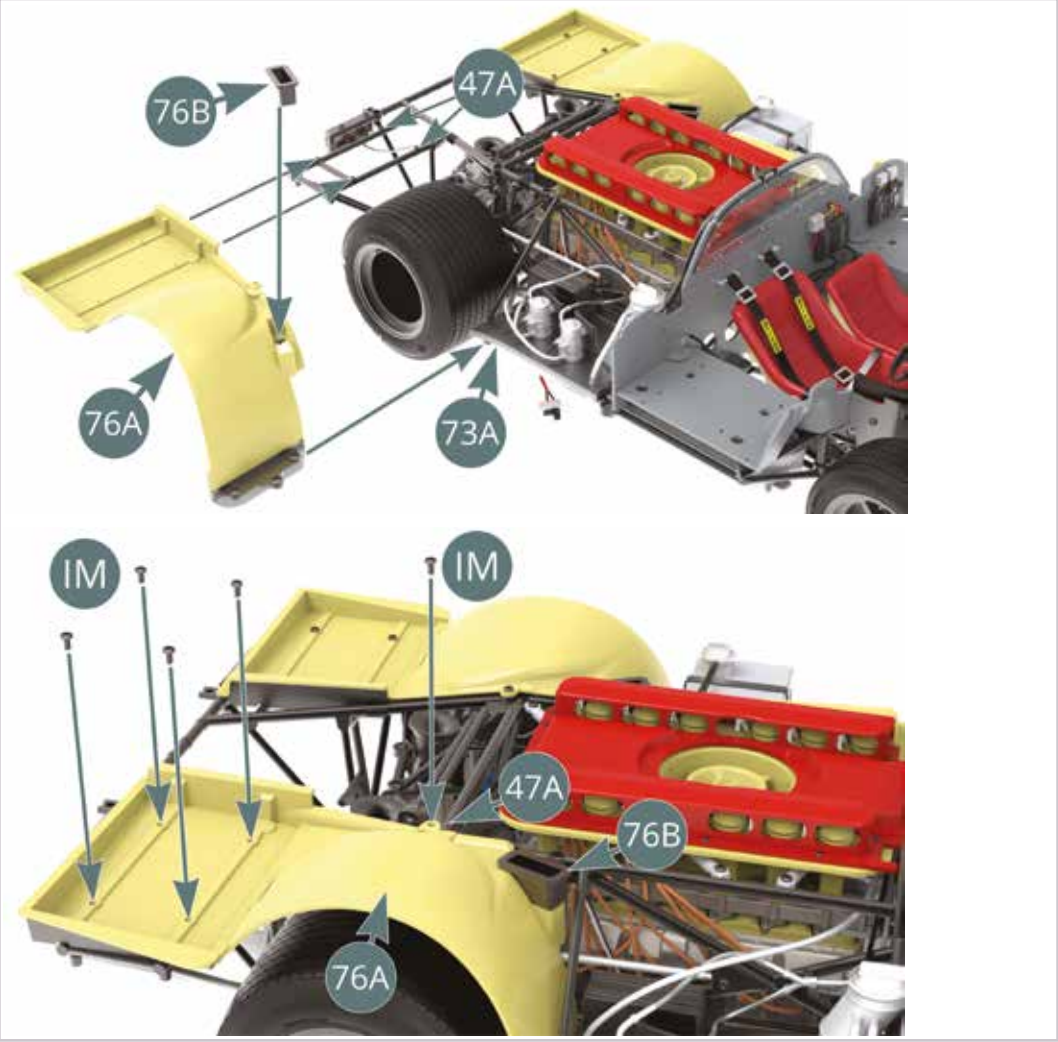
Right rear wheel arc assembly and attachment

Assembly diagram



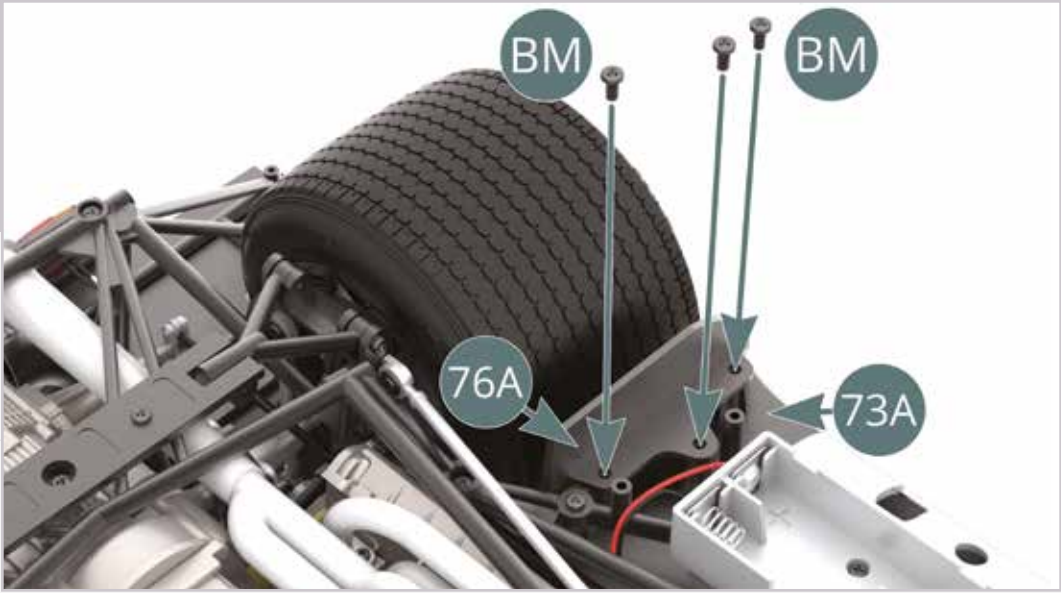
STEP 1

Fit 76B Rear brake cooling duct to 76A Right rear wheel arc.
Fit 76A Right rear wheel arc to 47A Upper frame, with its front bracket under 73A Right sponson platform. Fix 76A Right rear wheel arc to 47A Upper frame with five IM screws.



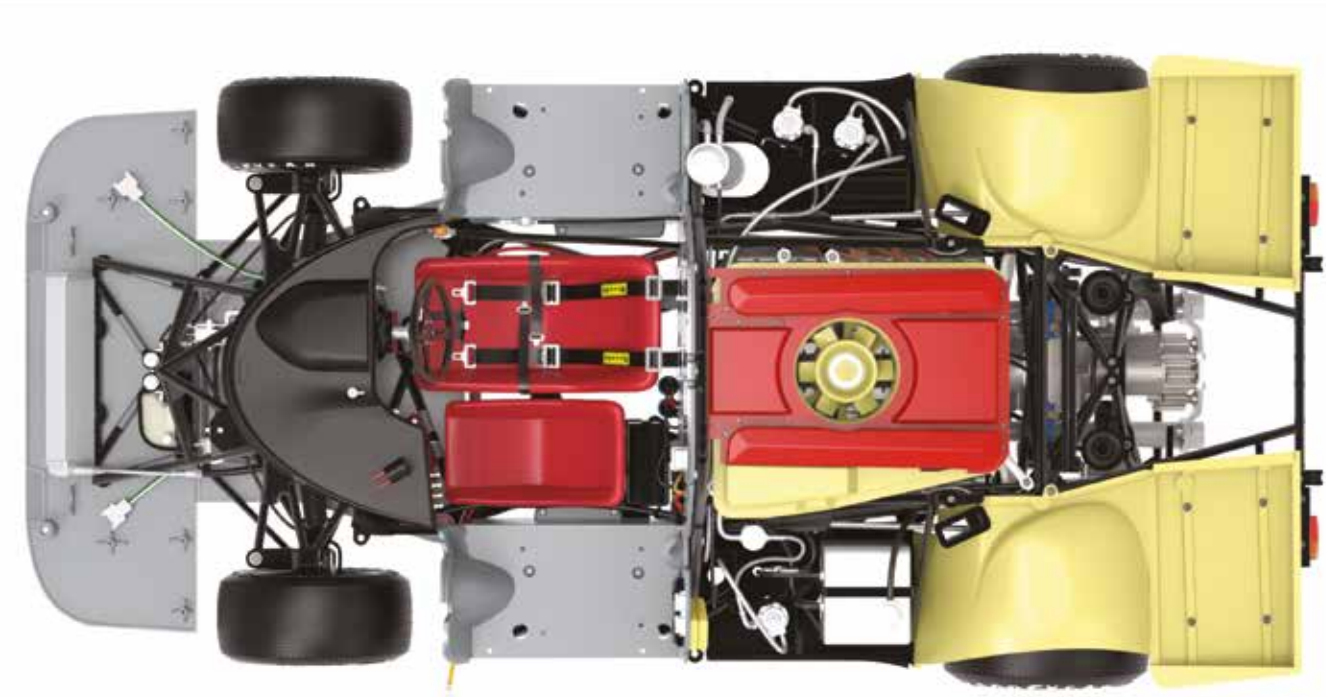
STEP 2

Upturn the car and fix front bracket of 76A Right rear wheel arc to 73A Right sponson platform with three BM screws.



General view





Parts of the issue 77

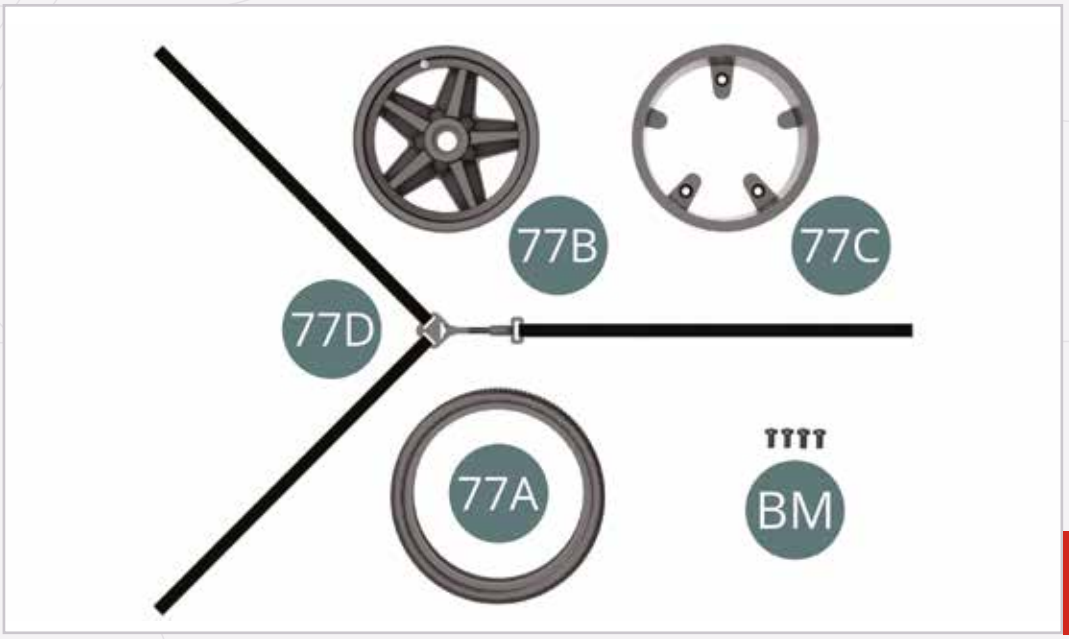
77A Spare wheel tire

77B Outer wheel rim

77C Inner wheel rim

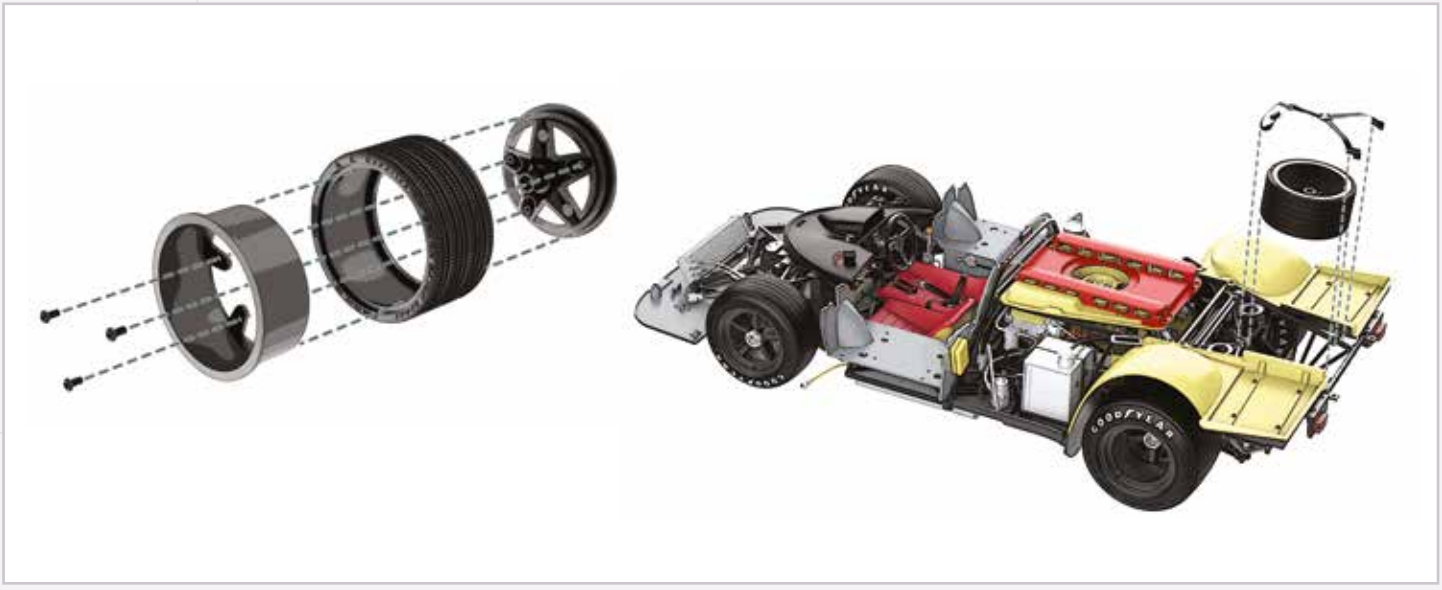
77D Spare wheel strap

BM M2,0 x4mm (x4)



Spare wheel assembly and attachment

Assembly diagram



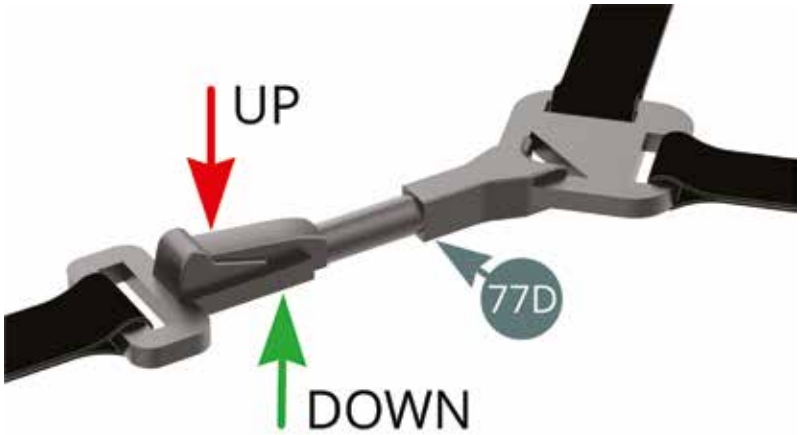
STEP 1

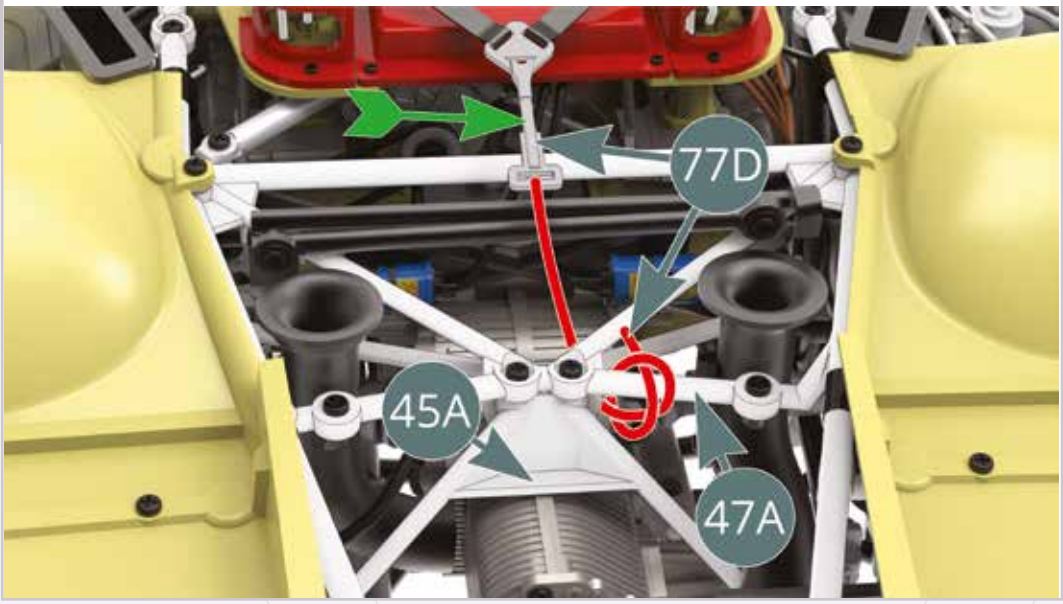


Fit 77B Outer wheel rim into 77A Spare wheel tire. Fit 77C Inner wheel rim into 77A Spare wheel tire, align it to 77B Outer wheel rim and fix together with three BM screws.

STEP 2

Take note of the Quick Release lever which should face up when 77D Spare wheel strap is attached over the Spare wheel.
Lay 77D Spare wheel strap with its Quick release lever (green arrow) facing down, referring to its position on next illustration too.
Tie 77D Spare wheel strap to 47A Upper frame bar (half tighten the knot for now).
Note 45A Support frame shelve for holding the spare wheel tire.

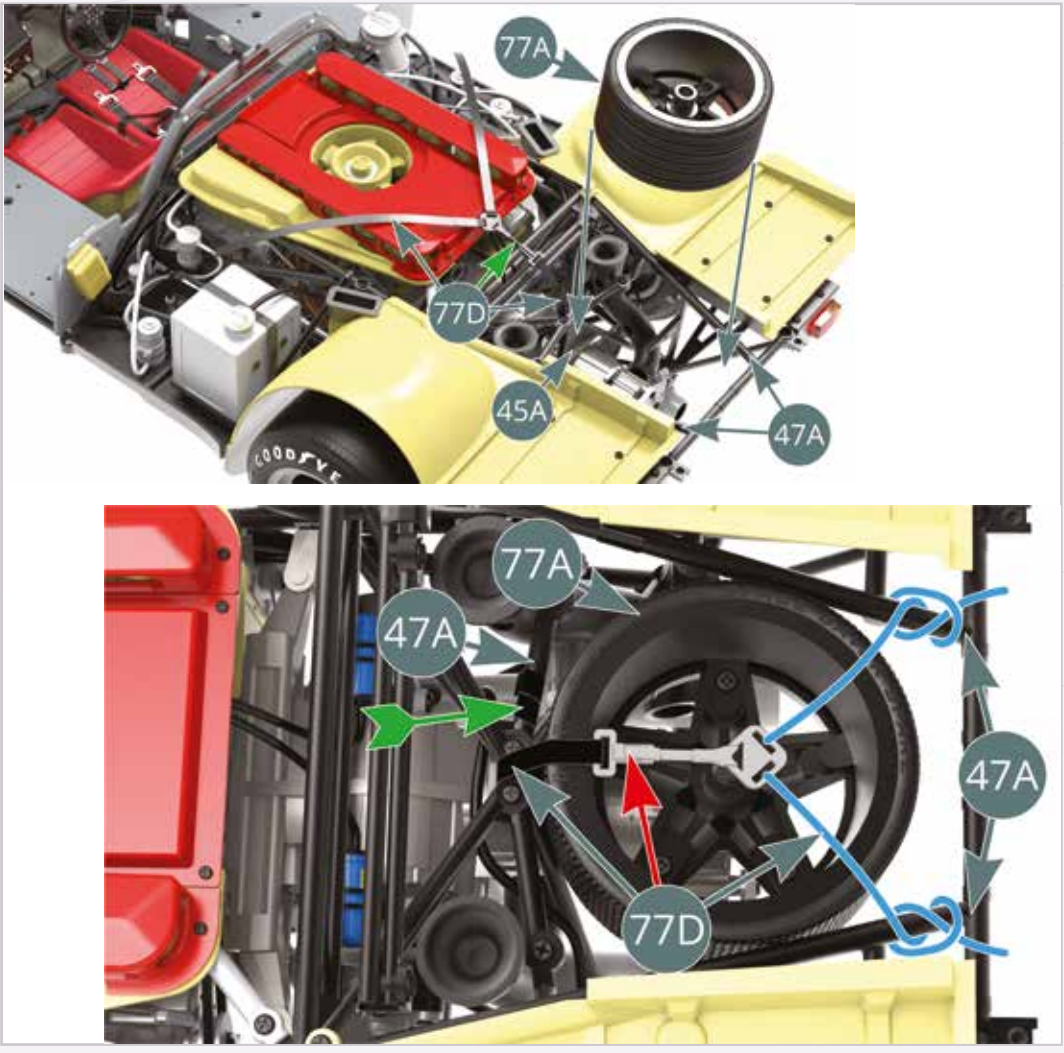




STEP 3

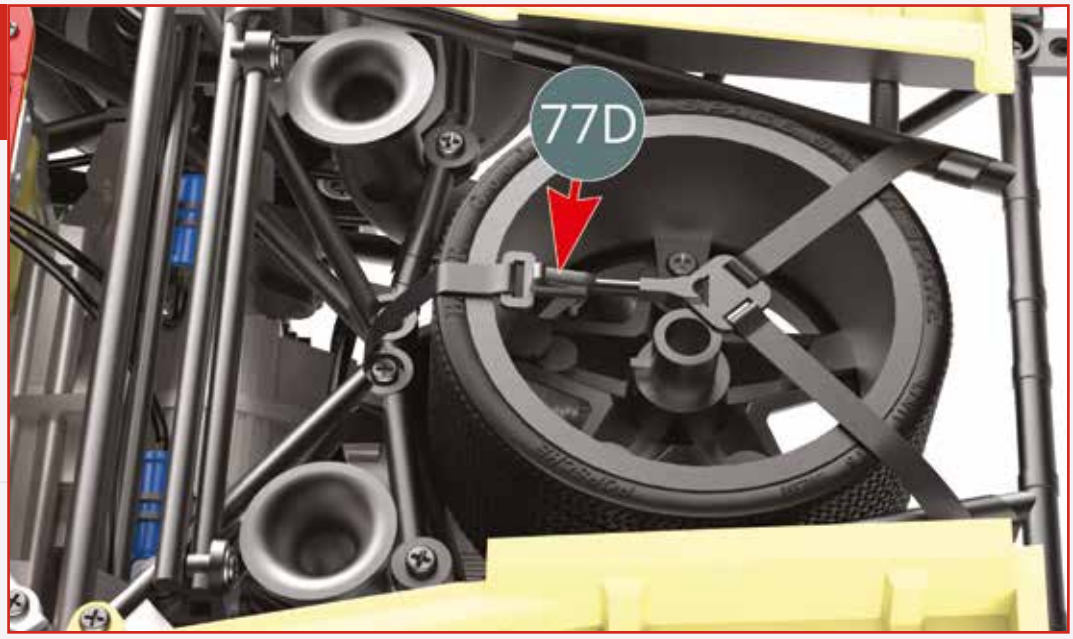
Place 77A Spare wheel tire on 45A Support frame shelf and between two 47A Upper frame bars.

Place 77D Spare wheel strap over 77A Spare wheel tire, with Quick release lever now facing up (red arrow). Adjust and tighten the knot on 47A Upper frame bar (green arrow). Finalize the Spare wheel attachment by tyeing 77D Spare wheel strap (sketched in blue) over 47A Upper frame bars.

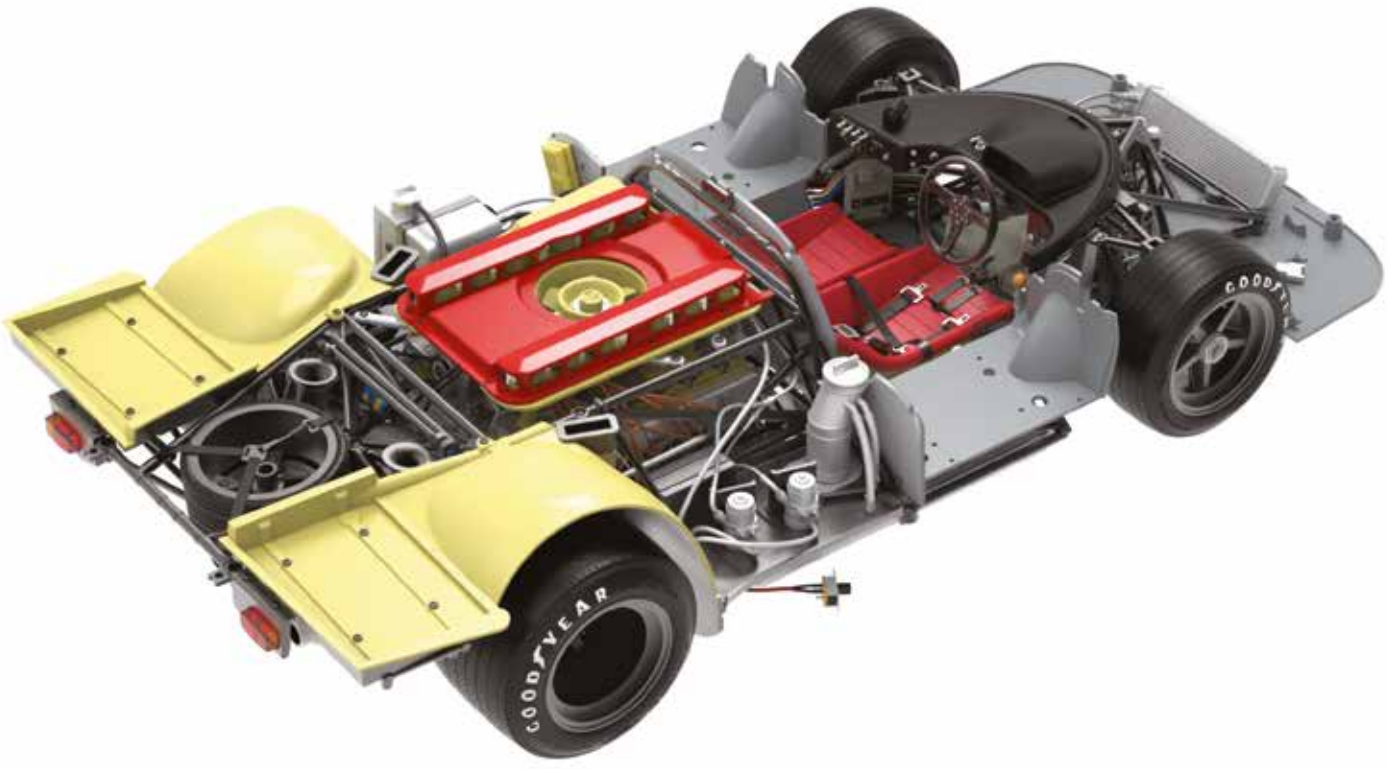


STEP 4

77D Spare wheel strap is secured over the Spare wheel



General view



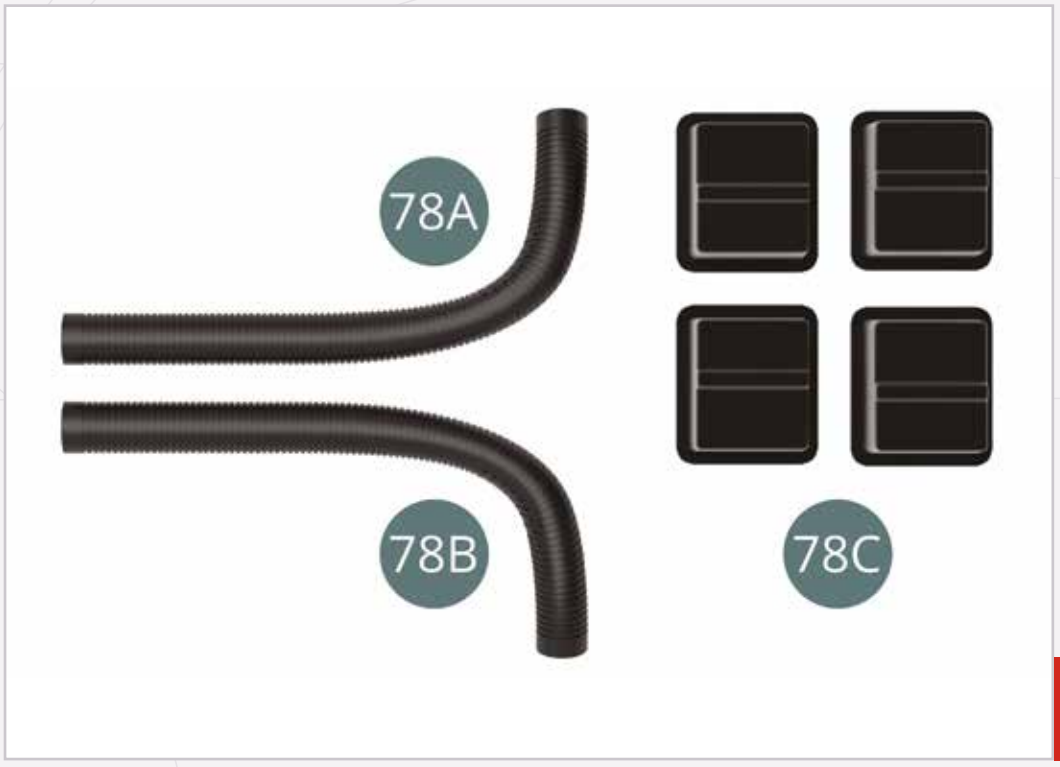


Parts of the issue 78

78A Left brake cooling duct

78B Right brake cooling duct

78C Jack stands (x4)



Front brakes cooling ducts attachment

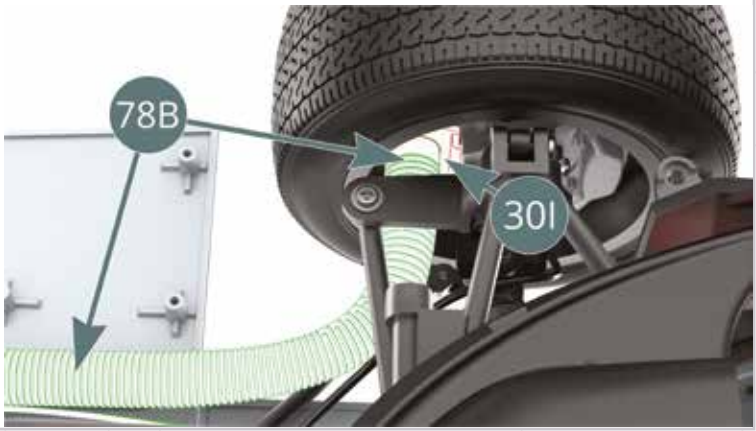
Assembly diagram



STEP 1

Identify 30I Right air blower support nozzle (view from below) on the front right wheel. Fit 78B Right brake cooling duct to 30I Right air blower support nozzle (view from above).

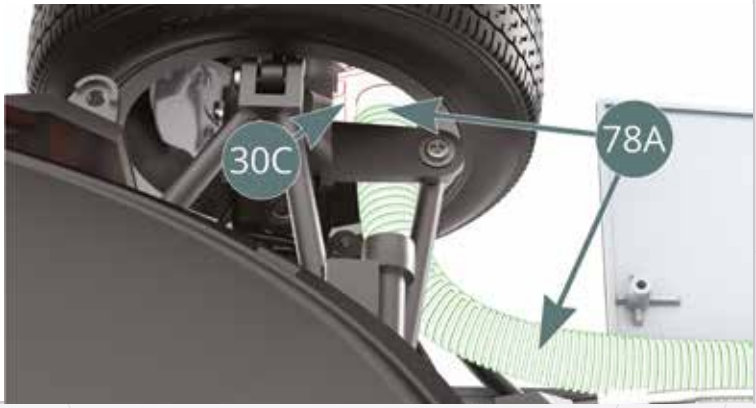




STEP 2

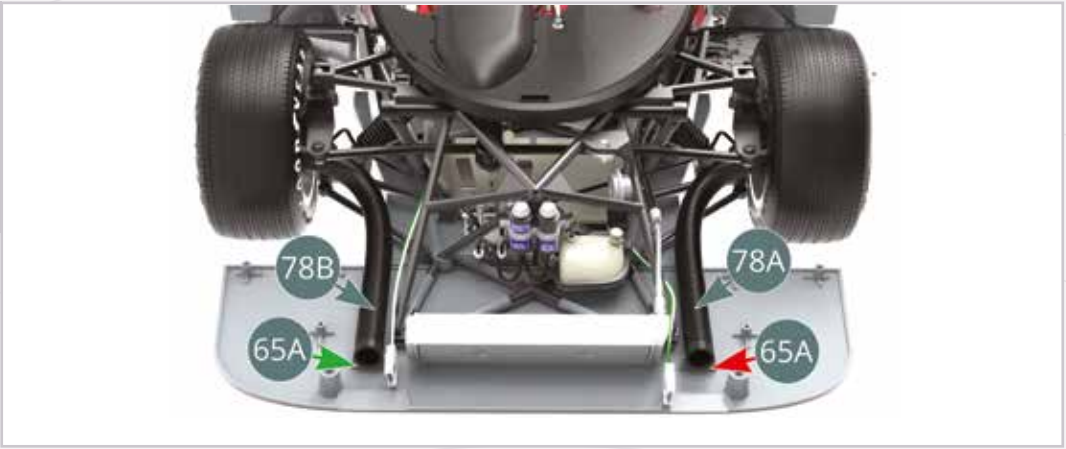
Identify 30C Left air blower support nozzle (view from below) on the front left wheel. Fit 78A Left brake cooling duct to 30C Left air blower support nozzle (view from above).





STEP 3

Adjust 78B Right and 78A Left brake cooling ducts to rest on 65A Right and 65A Left Front bottom panel cradles.



GENERAL VIEW



Parts of the issue 79

79A Left wheel arc

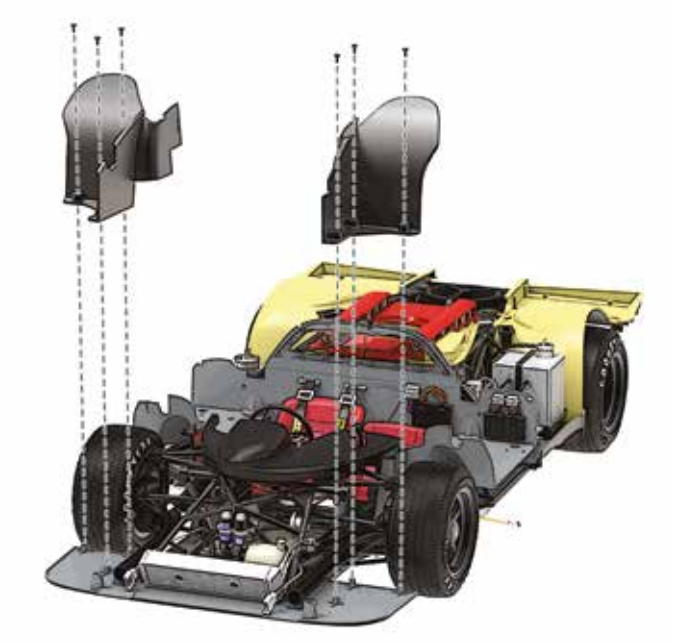
79B Right wheel arc

IM M1,7 x3,5mm (x8)



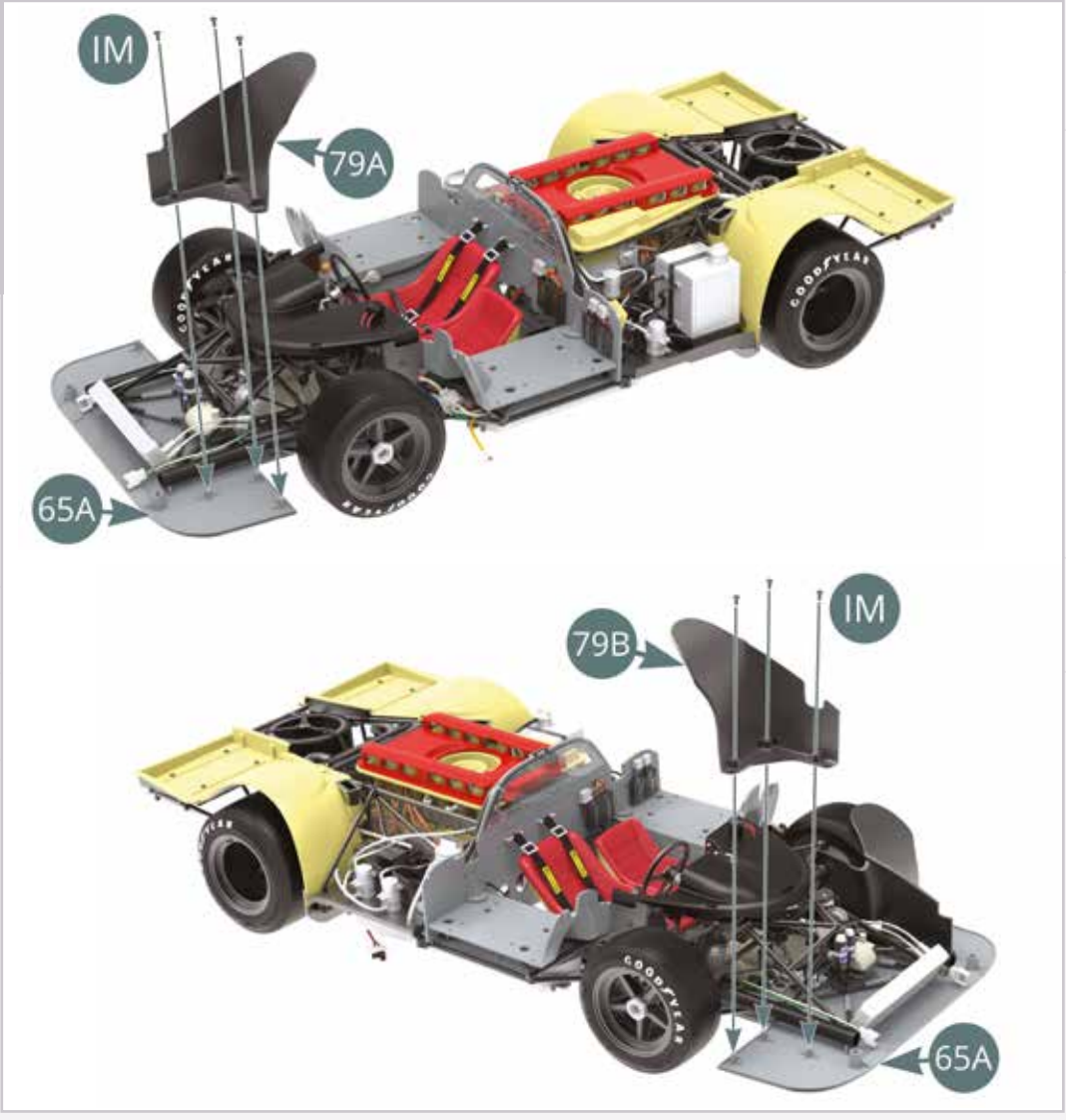
Left and right front wheel arcs attachment

Assembly diagram



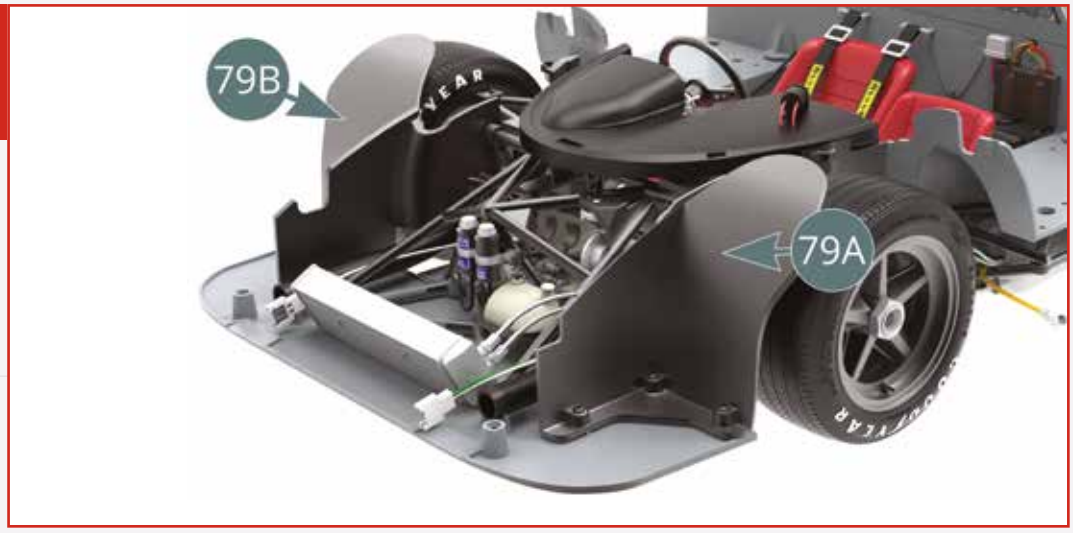
STEP 1

Fit 79A Left wheel arc to 65A Front bottom panel and fix with three IM screws.
Fit 79B Right wheel arc to 65A Front bottom panel and fix with three IM screws.

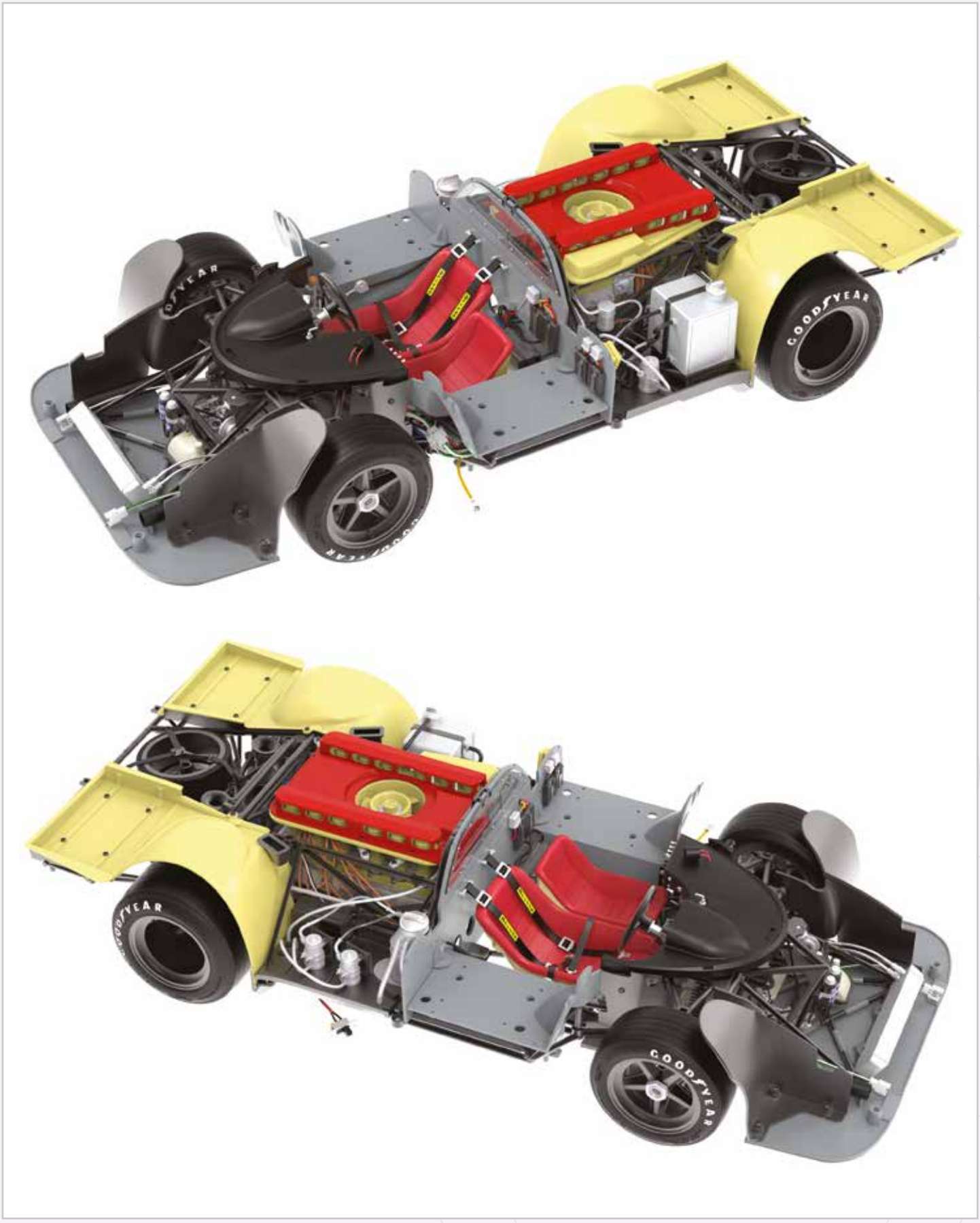


STEP 2

79B Right and 79A Left wheel arcs are attached to Chassis



General view



Parts of the issue 80

80A Bodywork



Bodywork preparation

Assembly diagram



STEP 1

Upturn 80A Bodywork and undo screws on right and left sides of Protection plank (upper and lower illustrations).



STEP 2

Remove Protection plank from 80A Body-work.

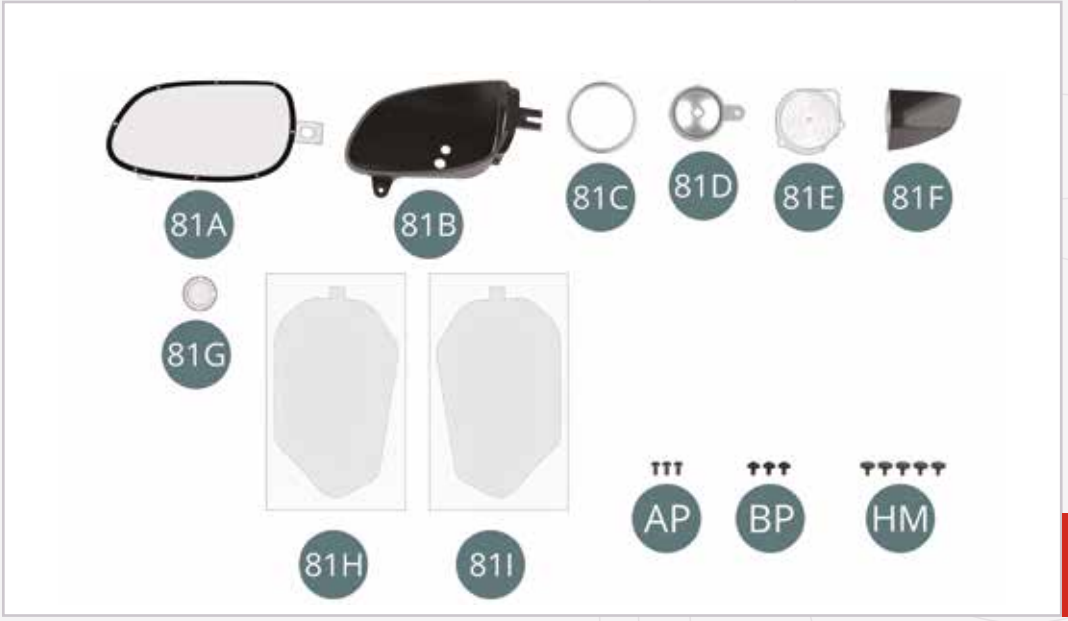


General view



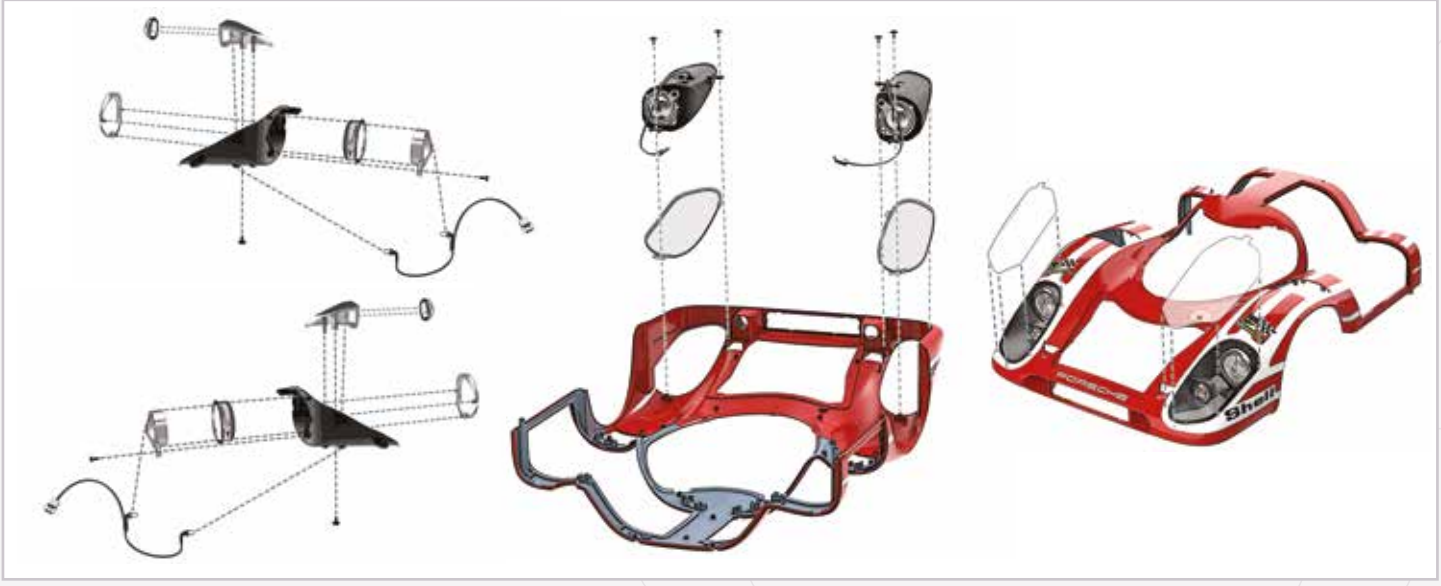
Parts of the issue 81

81A Right headlight plexiglass nacelle
81B Right headlight housing
81C Big headlight bezel
81D Big headlight reflector
81E Big headlight lens
81F Small headlight housing (R)
81G Small headlight lens
81H Left headlight protection (x2)
81I Right headlight protection (x2)
AP M1,7 x4mm (x3)
BP M1,7 x4x5mm (x3)
HM M1,7 x4x6mm (x5)



Headlights assembly and attachment

Assembly diagram



STEP 1

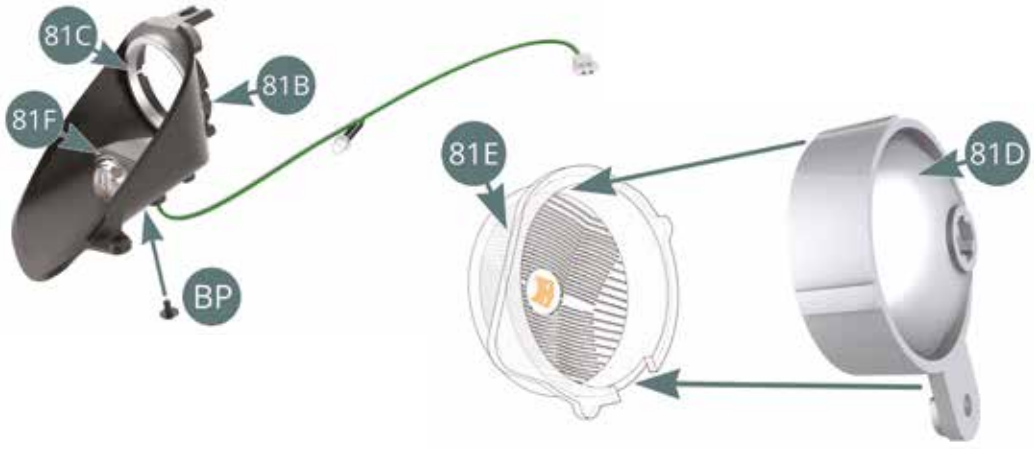
Attach 81G Small headlight lens to 81F Small headlight housing (R).



Take one of two 35F Headlight LED cables, pass its endmost LED through 81B Right headlight housing, and plug it into 81F Small headlight housing (R).

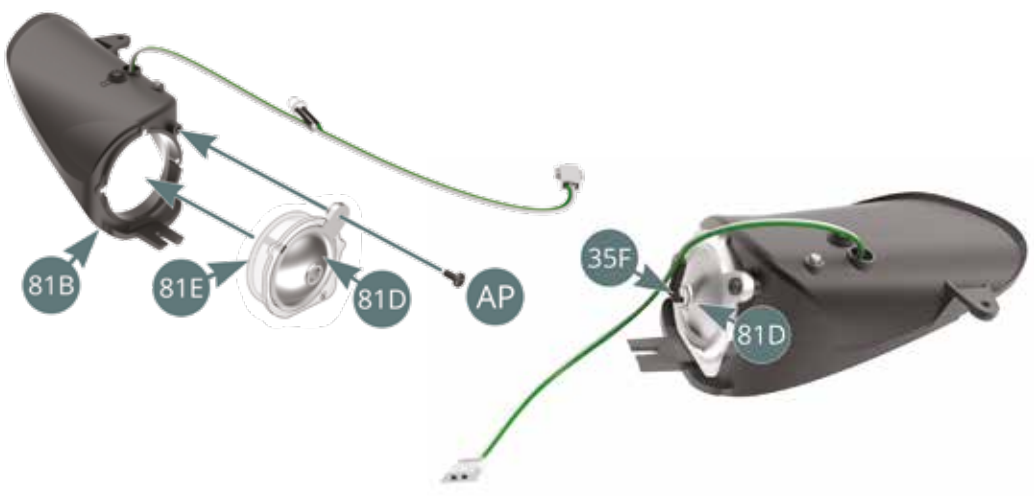
STEP 2

Attach 81F Small headlight housing (R) to 81B Right headlight housing and fasten with BP screw. Fit 81C Big headlight bezel to 81B Right headlight housing. Fit 81D Big headlight reflector into 81E Big headlight lens cup.



STEP 3

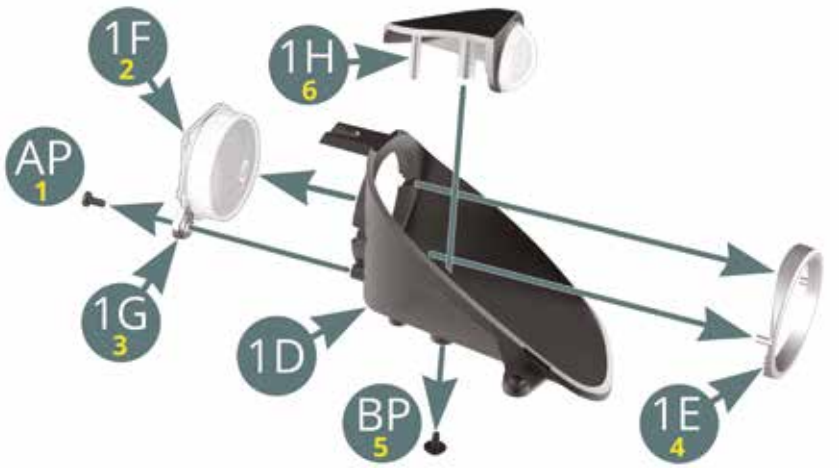
Attach 81D Big headlight reflector (with 81E Big headlight lens on it) to 81B Right headlight housing and fasten with AP screw. Plug the second LED of 35F Headlight LED cable into 81D Big headlight reflector.



STEP 4

Right side Headlight is preassembled





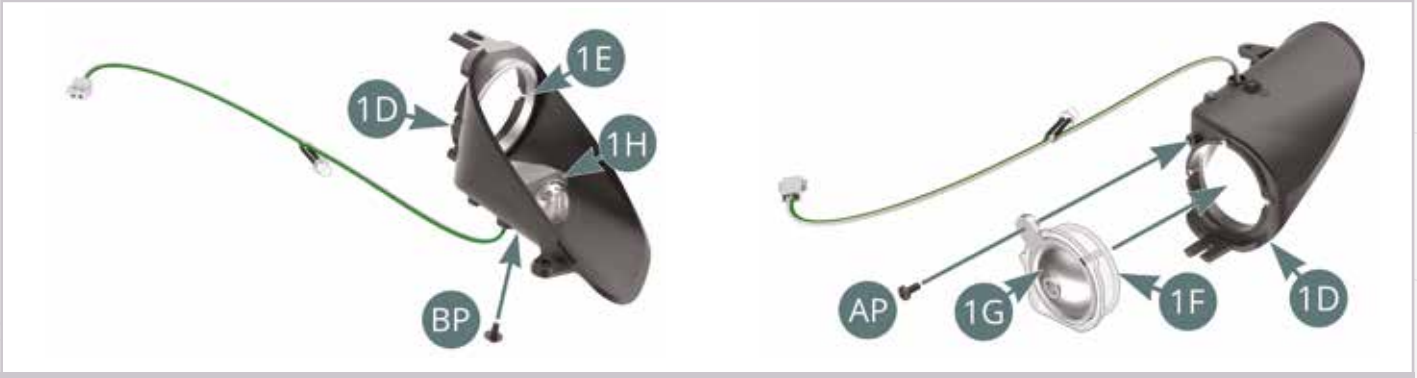
In order to attach LED Cable to Left side Headlight, you need to partially disassemble it first. Disassembly order is marked by yellow digits on the above diagram.

STEP 5



Take remaining 35F Headlight LED cable, pass its endmost LED through 1D Left headlight housing, and plug it into 1H Small headlight housing.

STEP 6



Attach 1H Small headlight housing to new 1D Left headlight housing and fasten with BP screw. Fit 1E Big headlight bezel to 1D Left headlight housing. Attach 1G Big headlight reflector (with 1F Big headlight lens on it) to 1D Left headlight housing and fasten with AP screw.

STEP 7

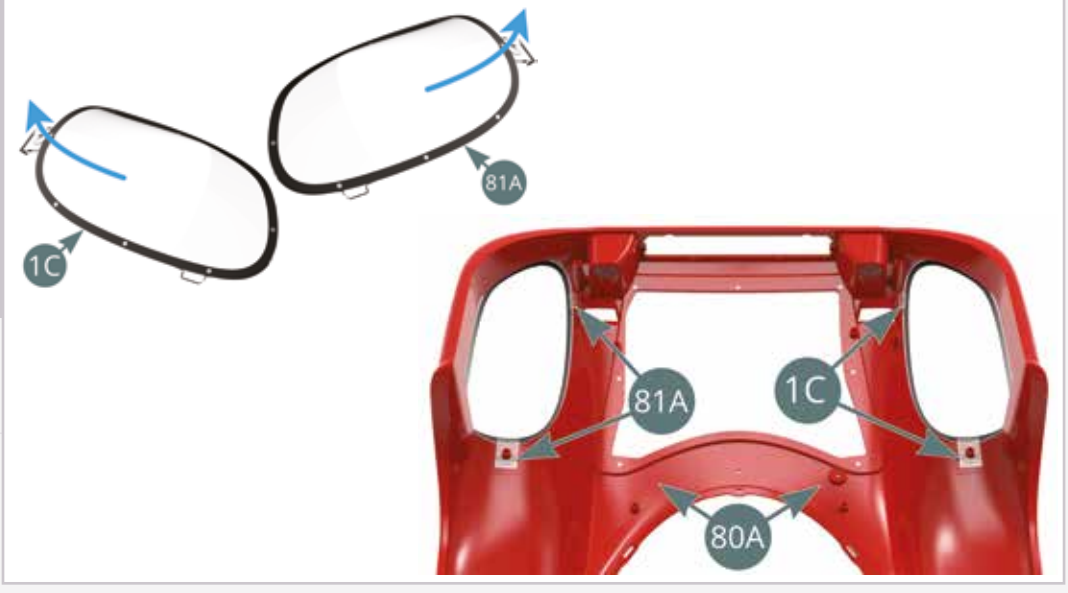
Plug the second LED of 35F Headlight LED cable into 1G Big headlight reflector.



Left side Headlight is preassembled

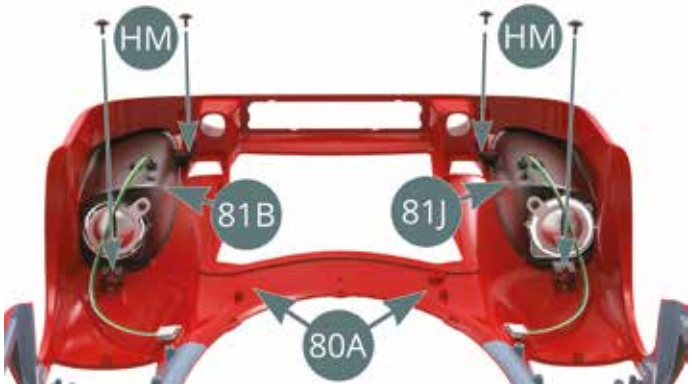
STEP 8

Detach the protective film from 81A Right and 1C Left headlight plexiglass nacelles. Attach 81A Right and 1C Left headlight plexiglass nacelles to their places on the inner side of 80A Bodywork.



STEP 9

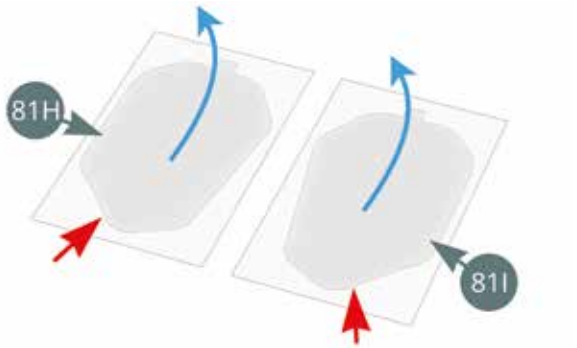
Place 81B Right and 81J Left headlight housings over Plexiglass nacelles and fasten to 80A Bodywork with four HM screws (upper and lower illustrations).





STEP 10

Raise 81H Left headlight protection sticker off the backing paper, orient it over black left Headlight perimeter and apply. Be aware that the transparent film will remain a bit wrinkled over the Headlight surface, as in real life appearance. Repeat same procedure for 81I Right headlight protection sticker.



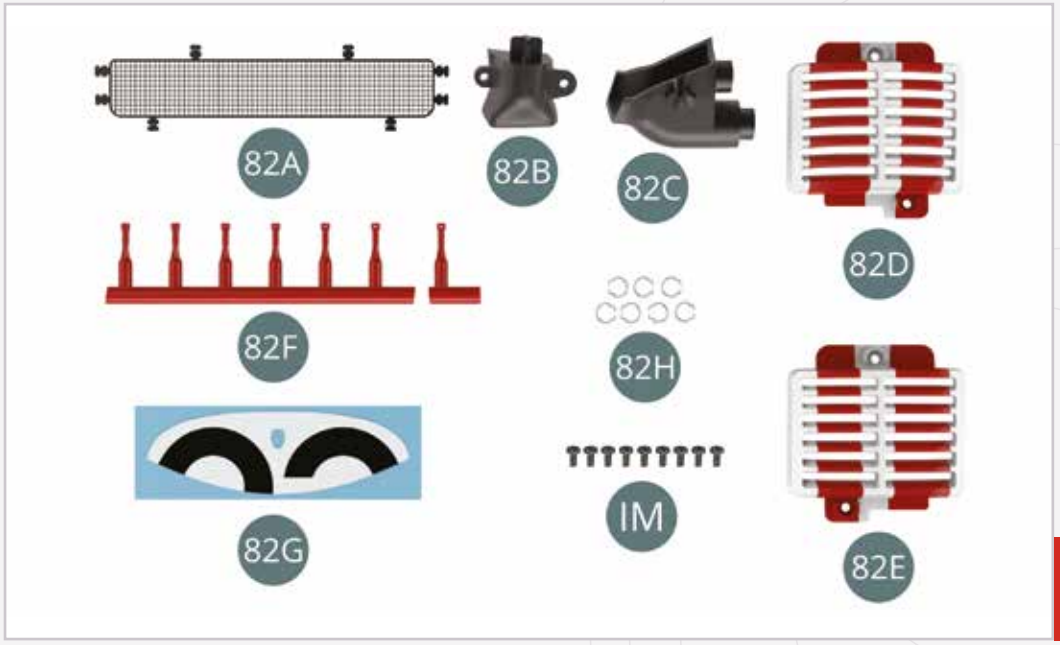


General view



Parts of the issue 82

82A Air intake mesh
82B Left air scoop
82C Right air scoop
82D Left air build up release grid
82E Right air build up release grid
82F Hood cover lock (x7)
82G Decal (x2)
82H Ring (x7)
IM M1,7 x3,5mm (x9)

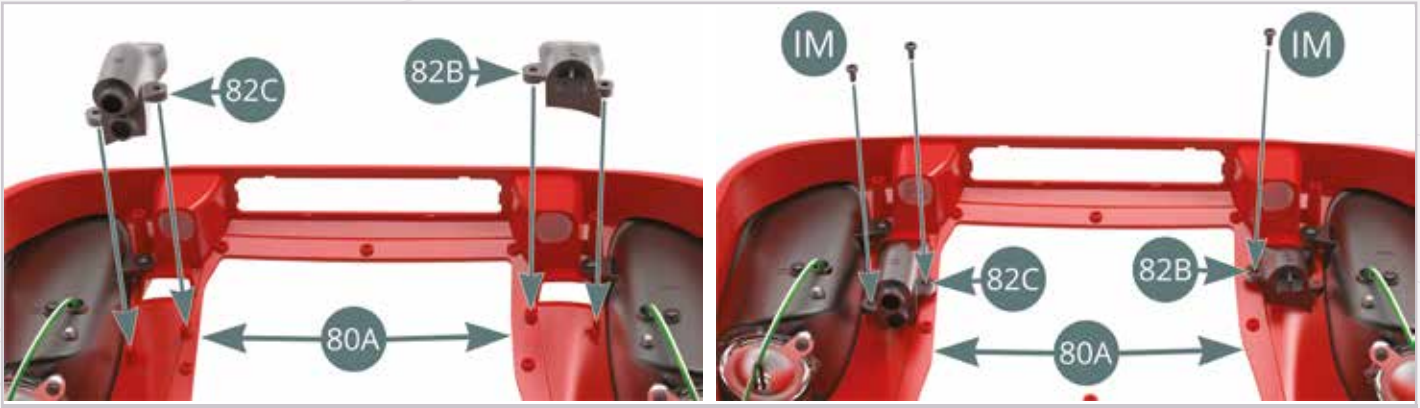


Bodywork fittings and decal attachment

Assembly diagram



STEP 1



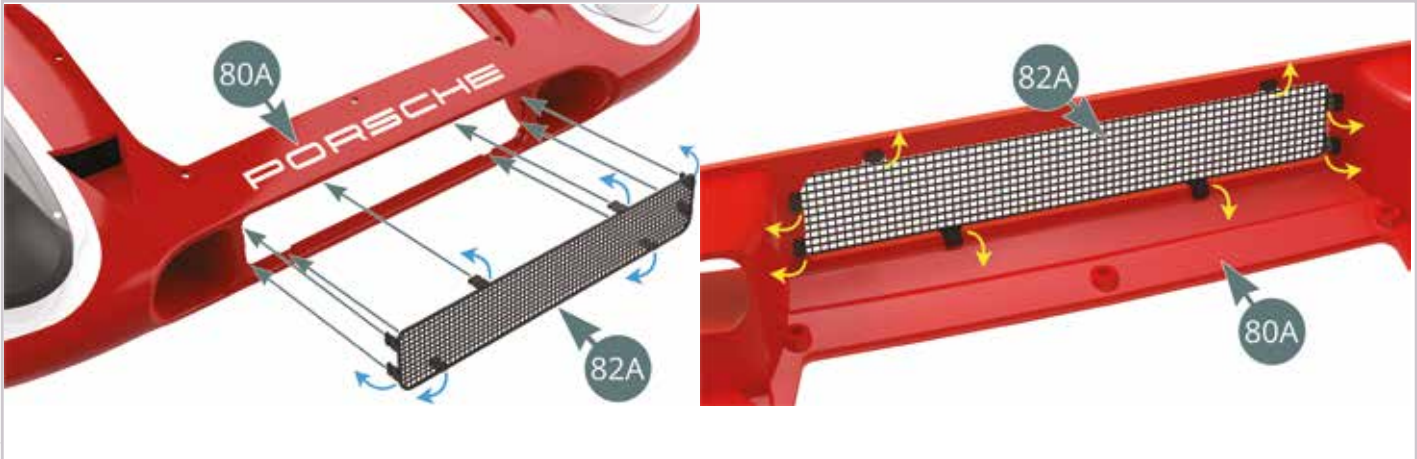
Attach 82C Right and 82B Left air scoops to the front inner side of 80A Bodywork and fasten with three IM screws (left and right illustrations).

STEP 2

Attach 82E Right and 82D Left air build up release grids to the inner side of 80A Bodywork and fasten with four IM screws (left and right illustrations).



STEP 3



Attach 82E Right and 82D Left air build up release grids to the inner side of 80A Bodywork and fasten with four IM screws (upper illustrations). From the inner side, again bend eight perimeter tabs at right angle to anchor 82A Air intake mesh to 80A Bodywork front opening.

STEP 4

82A Air intake mesh is attached to the Bodywork



Nip off seven 82F Hood cover locks off the sprues. Attach seven 82H Rings to seven 82F Hood cover locks.



STEP 5

Attach temporarily 1B Hood cover on four 82F Hood cover locks (blue) to 80A Bodywork.



Put 82G Decal in water for about 60 seconds, and slide carefully on 80A Bodywork to match the number 23 on 1B Hood cover (next illustration).



STEP 6

While 82G Decal is well wet, move it to align to the number 23 on 1B Hood cover below, allowing its lower edge to overlap on 1B Hood cover (dashed red line). Once aligned, remove four 82F Hood cover locks, and lift off 1B Hood cover.





Smooth on 82G Decal lower edge to 80A bodywork and allow 3 minutes for it to set. Using super soft cotton pads remove remaining water from the decal without disturbing its position. Leave decal to set. Puncture with needle two holes in upper area as two red arrows show.

STEP 7

Accessories and decal are attached to the Bodywork (Hood cover is shown temporarily in place)



General view



Parts of the issue 83

83A Windscreen

KM M1,7 x3x5mm (x3)

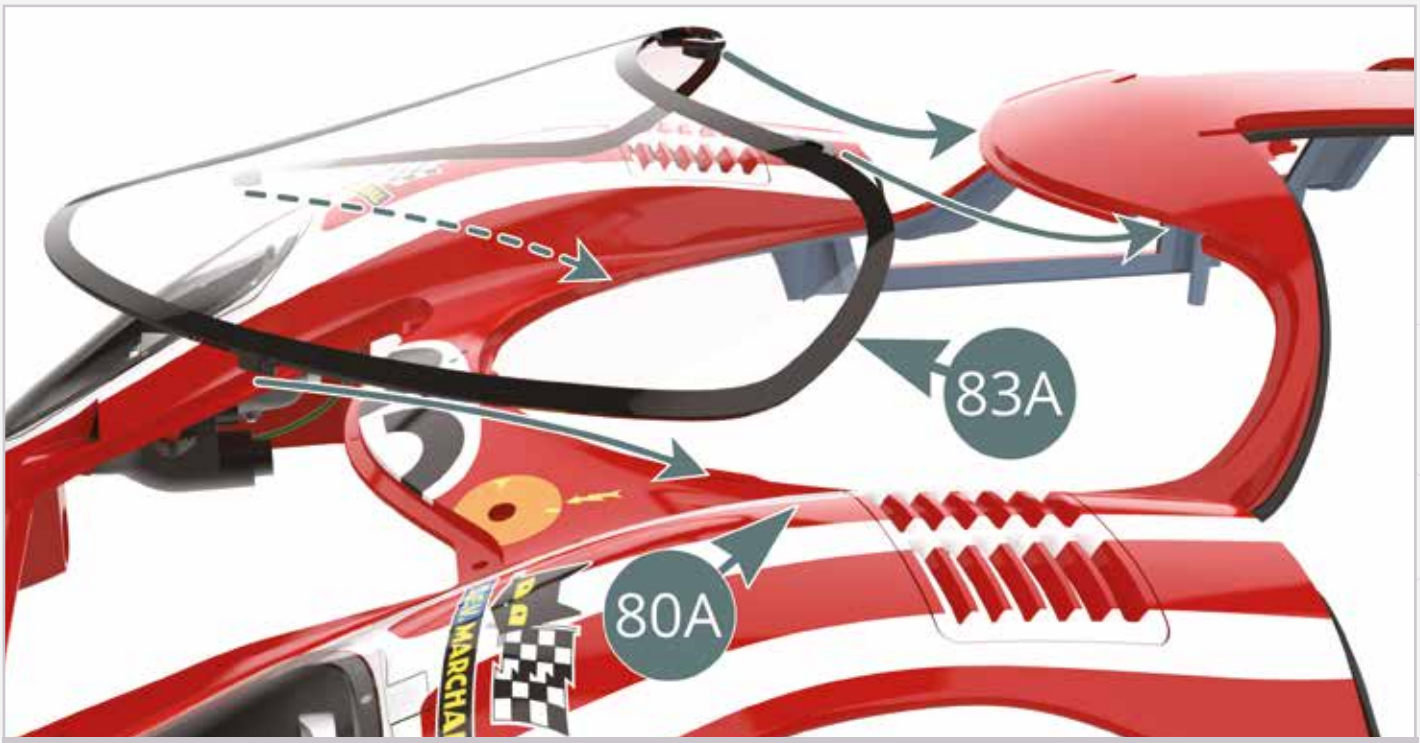


Windscreen attachment

Assembly diagram

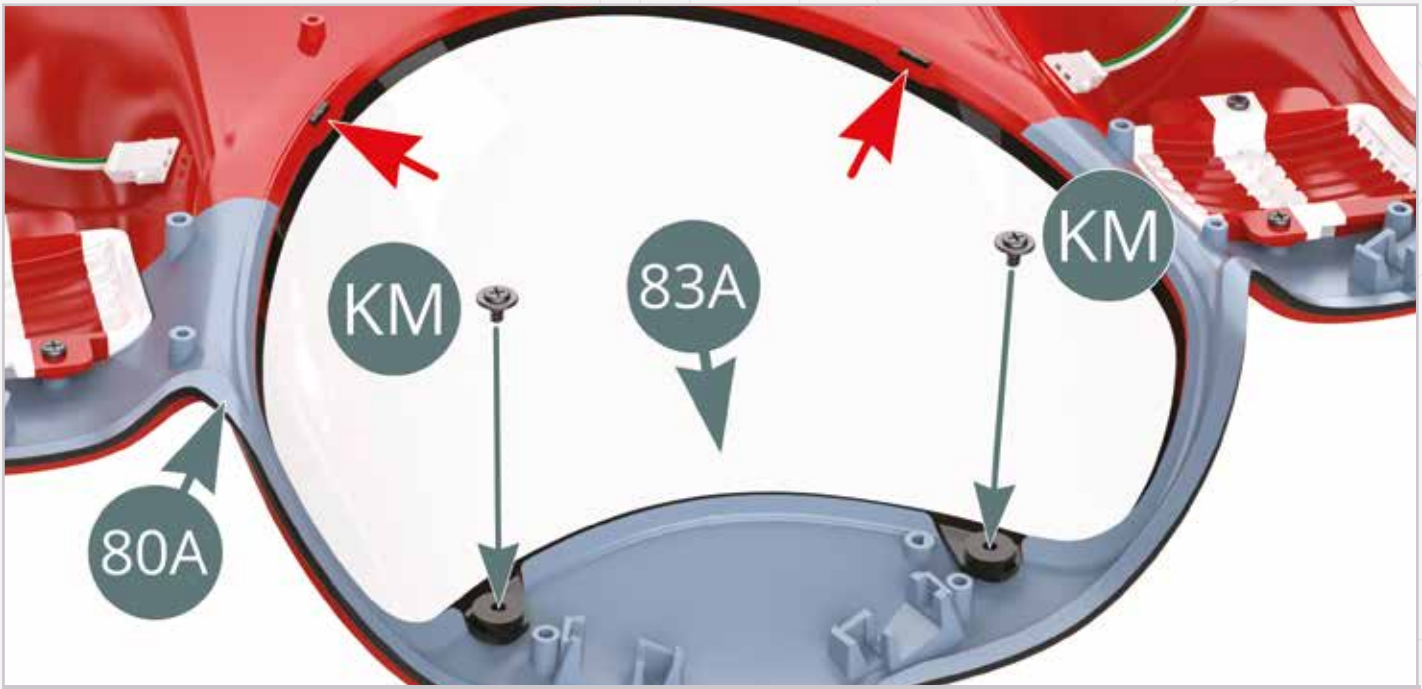


STEP 1



Attach 83A Windscreen to 80A Bodywork.

STEP 2



Make sure that two tabs of 83A Windscreen enter into respective slots on 80A Bodywork (red arrows), and fasten it with two KM screws.

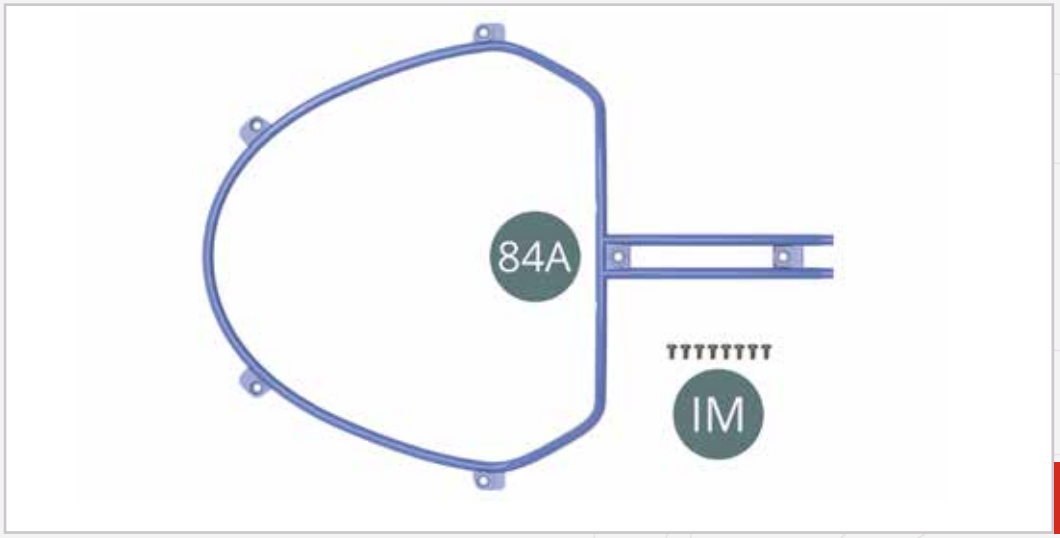
General view



Parts of the issue 84

84A Top roll cage

IM M1,7 x3,5mm (x8)



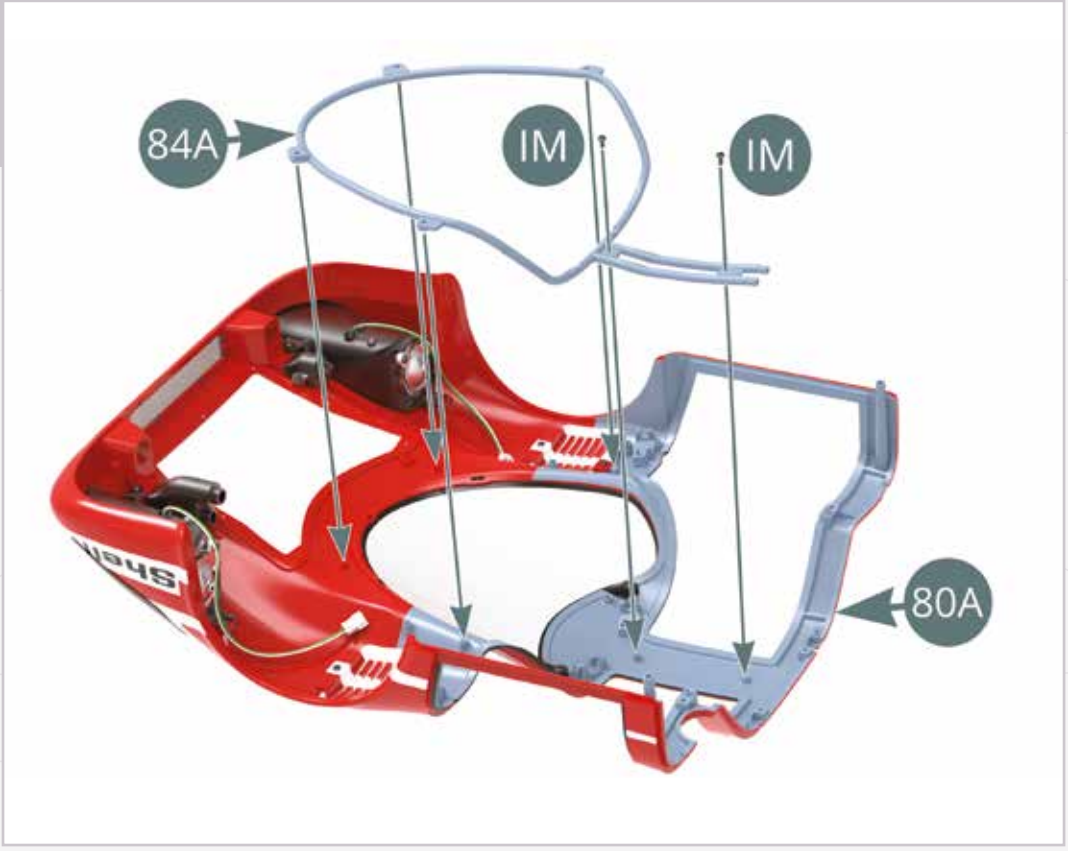
Top roll cage attachment

Assembly diagram



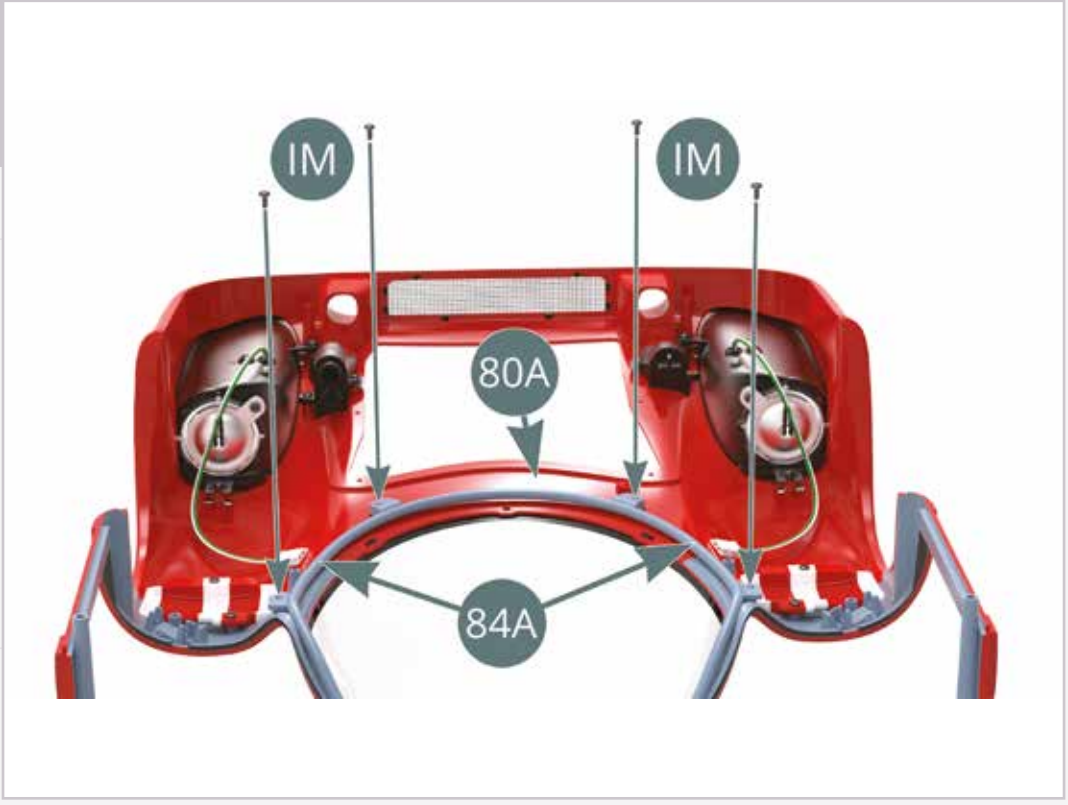
STEP 1

Attach 84A Top roll cage to 80A Bodywork and fasten with two IM screws.



STEP 2

Fasten 84A Top roll cage to 80A Body-work with four more IM screws.

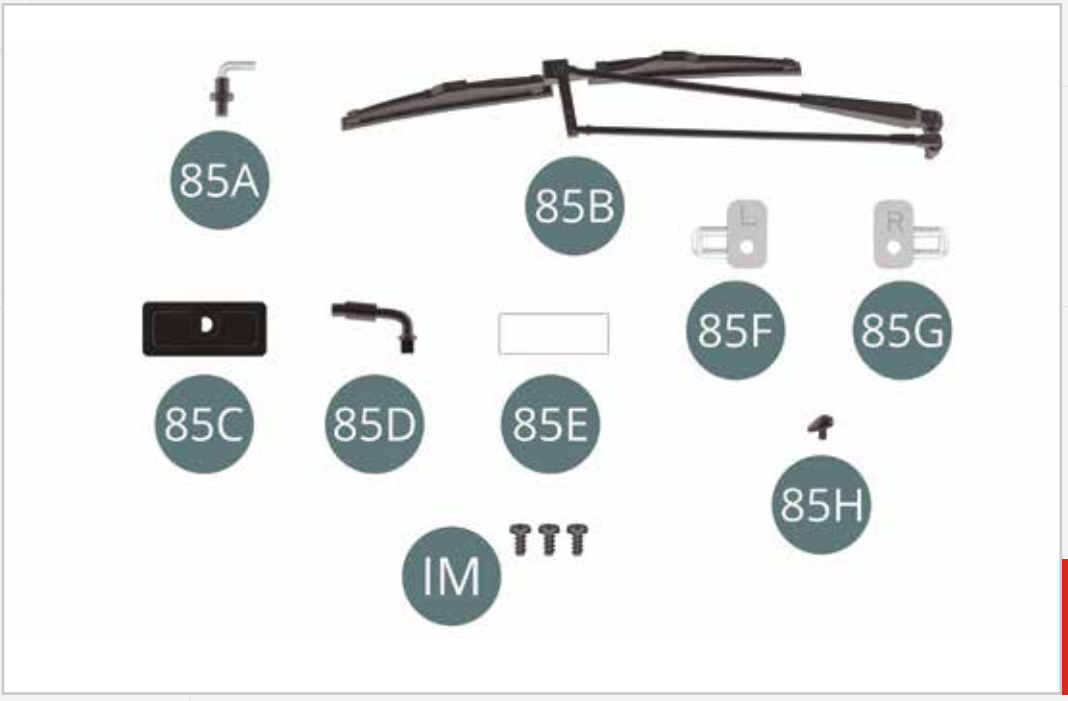


General view



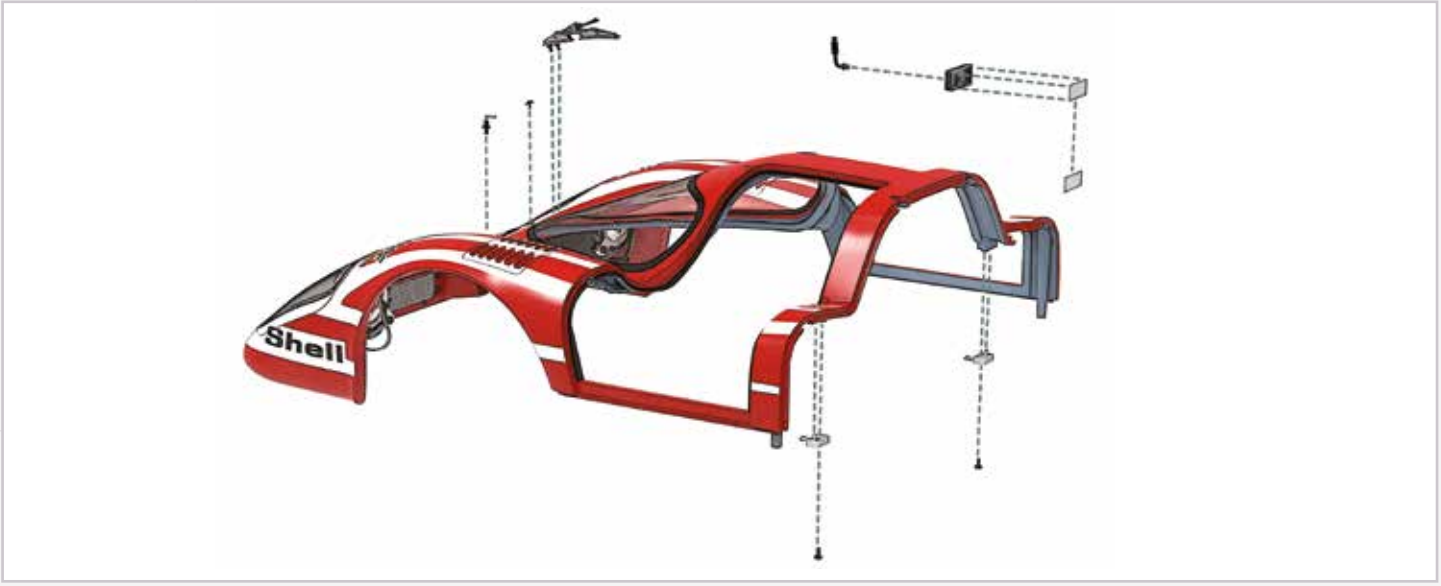
Parts of the issue 85

85A Lever
85B Windscreen wiper
85C Rear view mirror housing
85D Rear view mirror bracket
85E Rear view mirror
85F Left door lock
85G Right door lock
85H Windscreen sprinkler
IM M1,7 x3,5mm (x3)



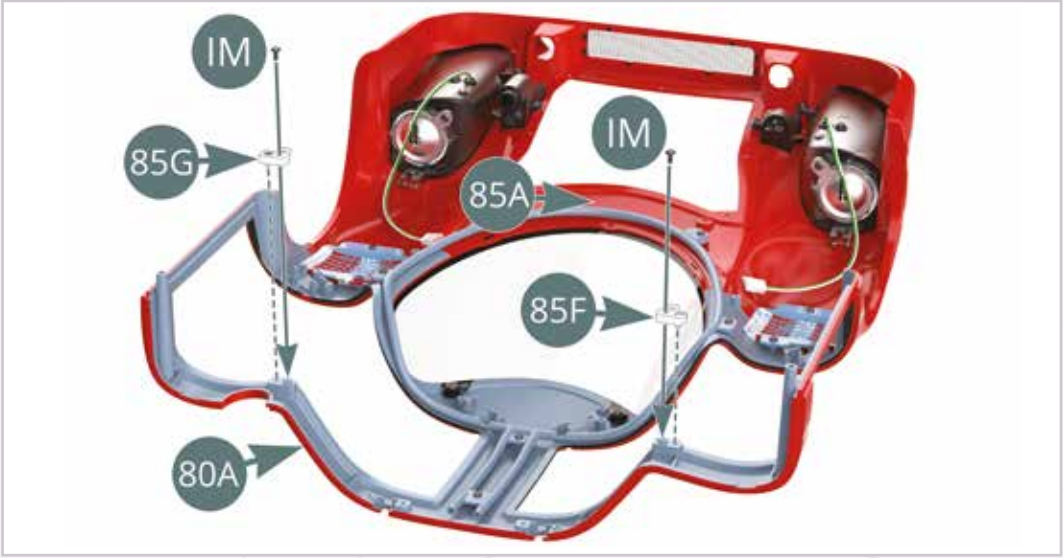
Bodywork fittings attachment and rear mirror assembly

Assembly diagram



STEP 1

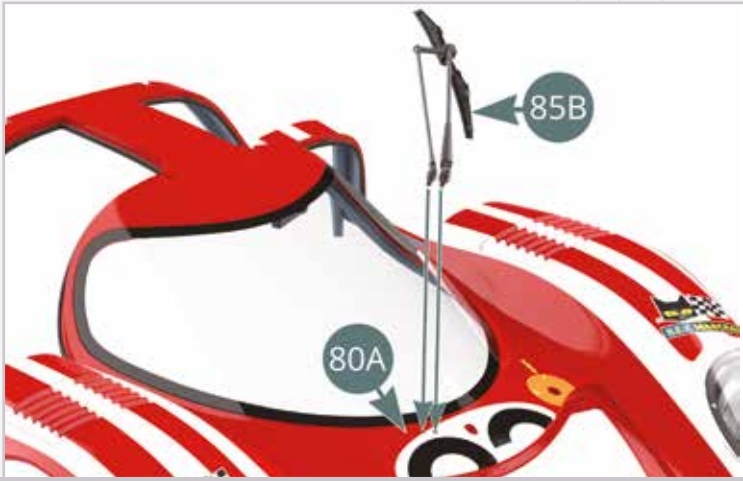
Attach 85G Right and 85F Left door locks to 80A Bodywork and fasten them with two IM screws.



STEP 2

85G Right and 85F Left door locks are attached to 80A Bodywork



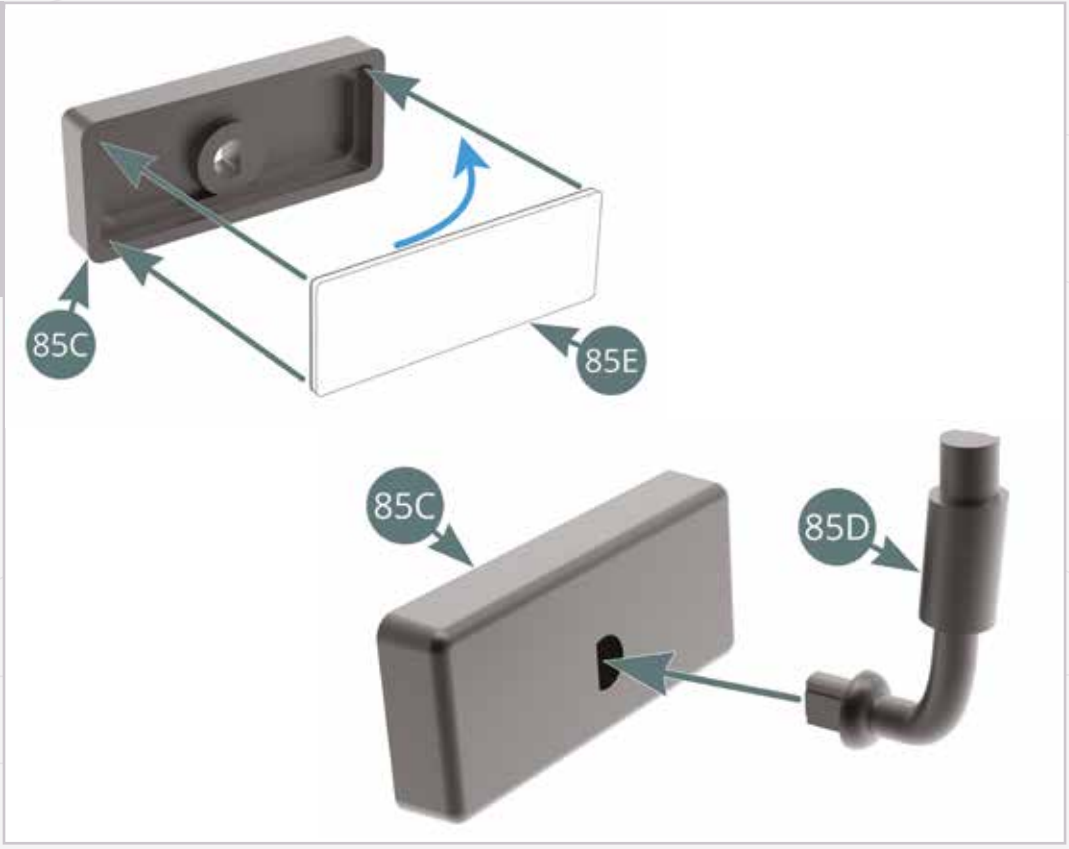




Attach 85B Windscreen wiper to 80A Bodywork. Attach 85H Windscreen sprinkler and 85A Lever to 80A Bodywork.

STEP 3

Peel away (blue arrow) backing paper from 85E Rear view mirror and stick it to 85C Rear view mirror housing. Fit 85D Rear view mirror bracket to 85C Rear view mirror housing.



STEP 4

Sore safely the preassembled Rear view mirror until further assembly in next issues.



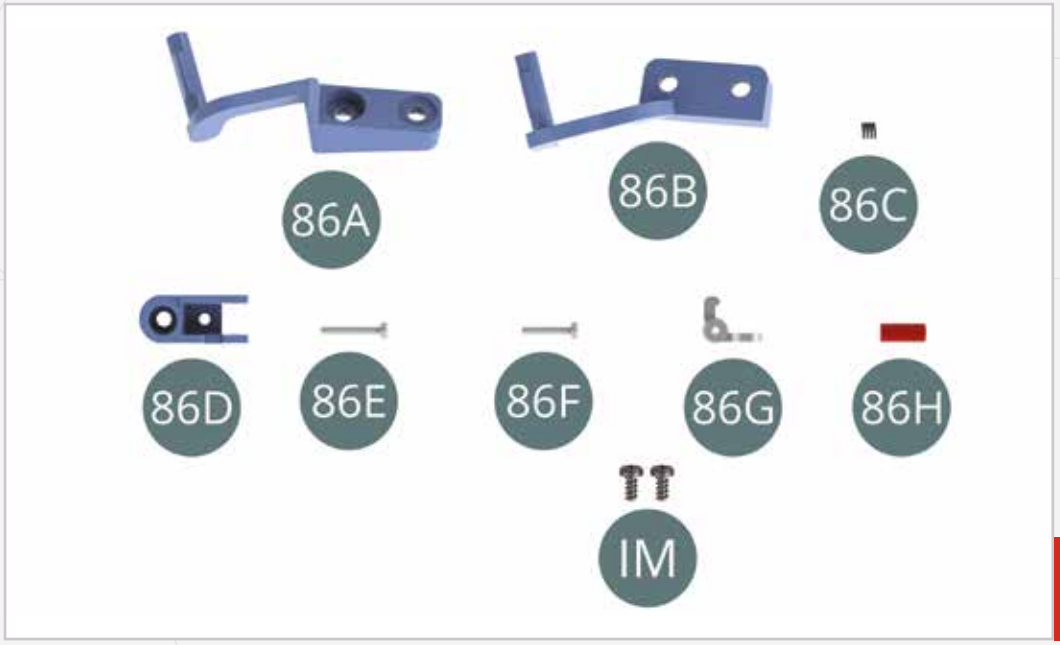
General view





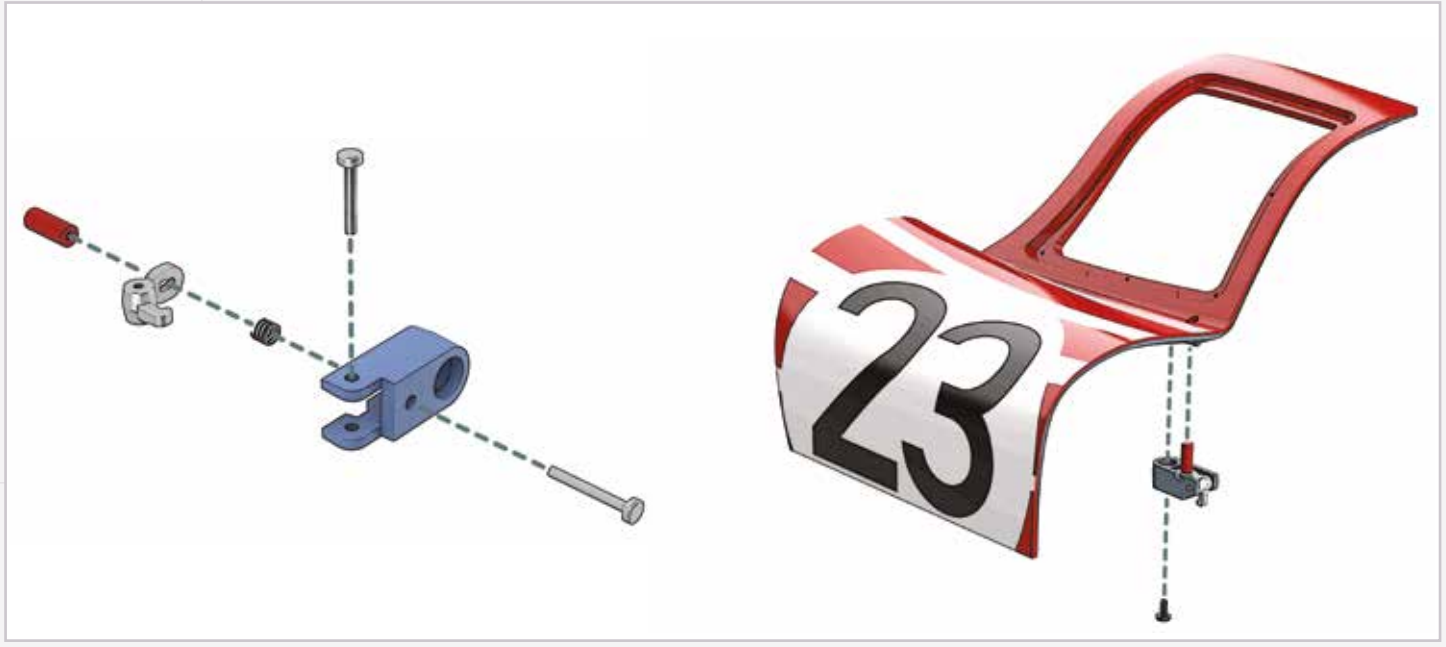
Parts of the issue 86

86A Lower hinge
86B Upper hinge
86C Spring
86D Lock
86E Pin (longer)
86F Pin (shorter)
86G Latch
86H Lock release
IM M1,7 x3,5mm (x2)

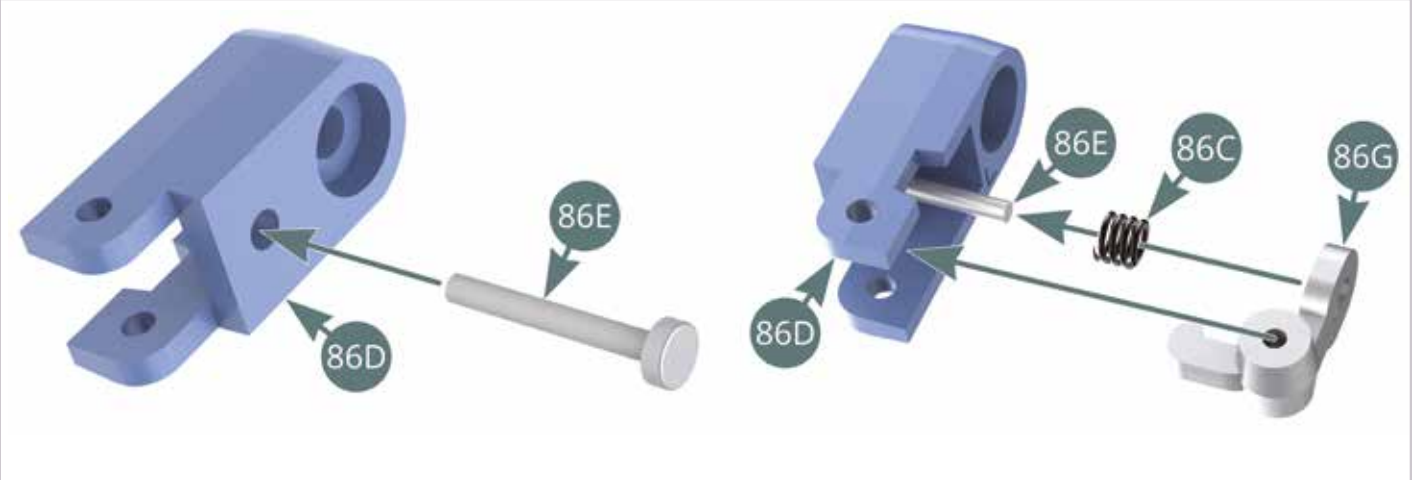


Left door lock and light assembly and attachment

Assembly diagram



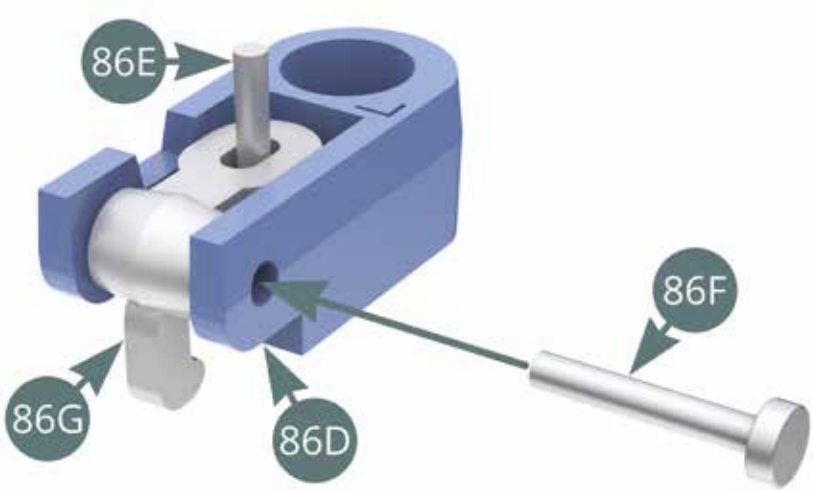
STEP 1

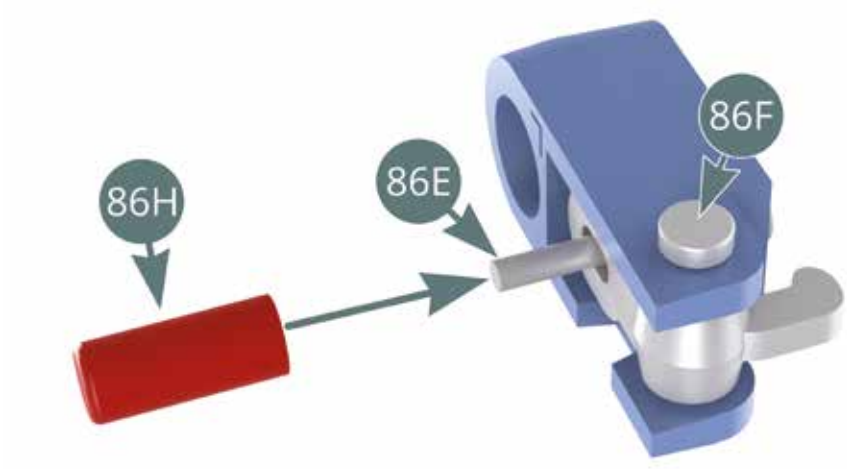


Insert longer 86E Pin into 86D Lock body. Fit 86C Spring and 86G Latch on 86E Pin.

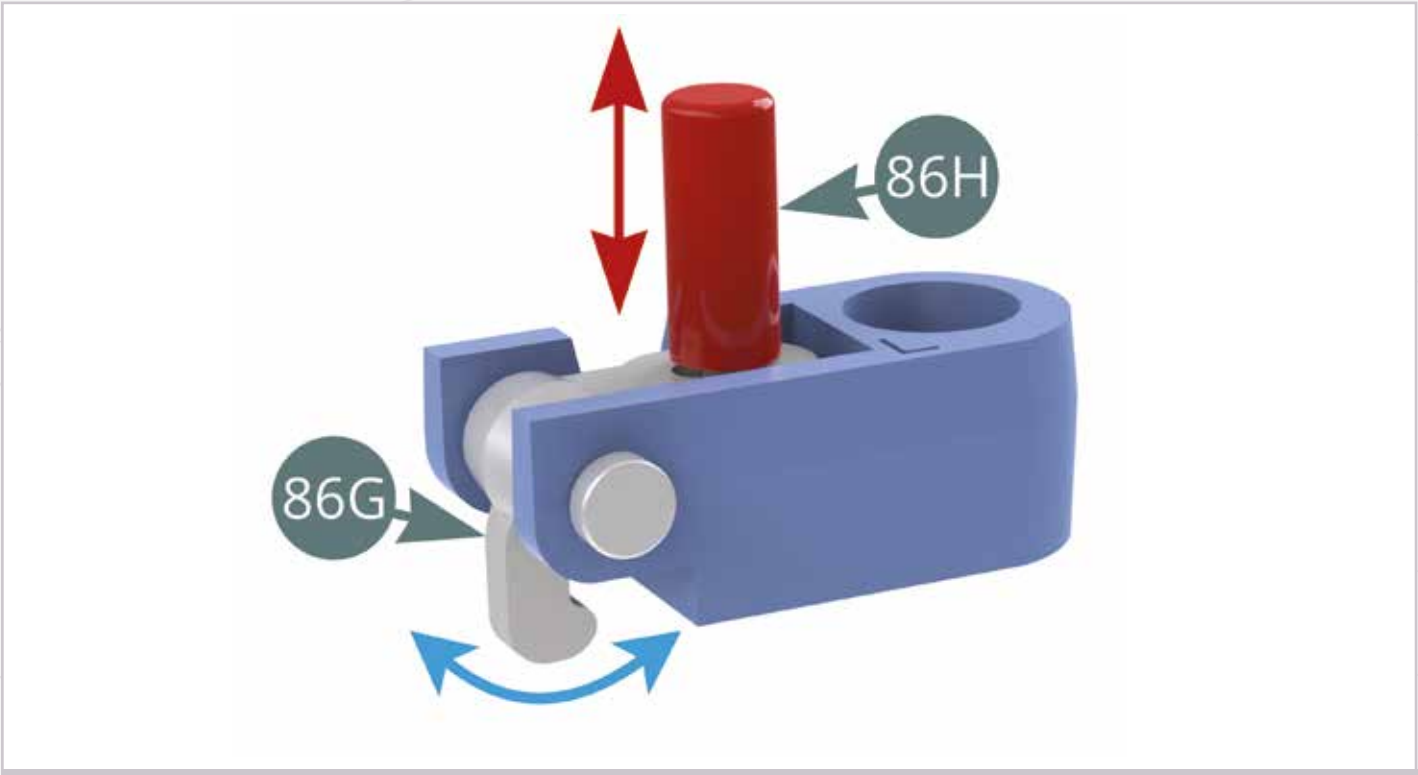
STEP 2

Align 86G Latch axis to 86D Lock and insert 86F Pin. Fit 86H Lock release on 86E Pin.

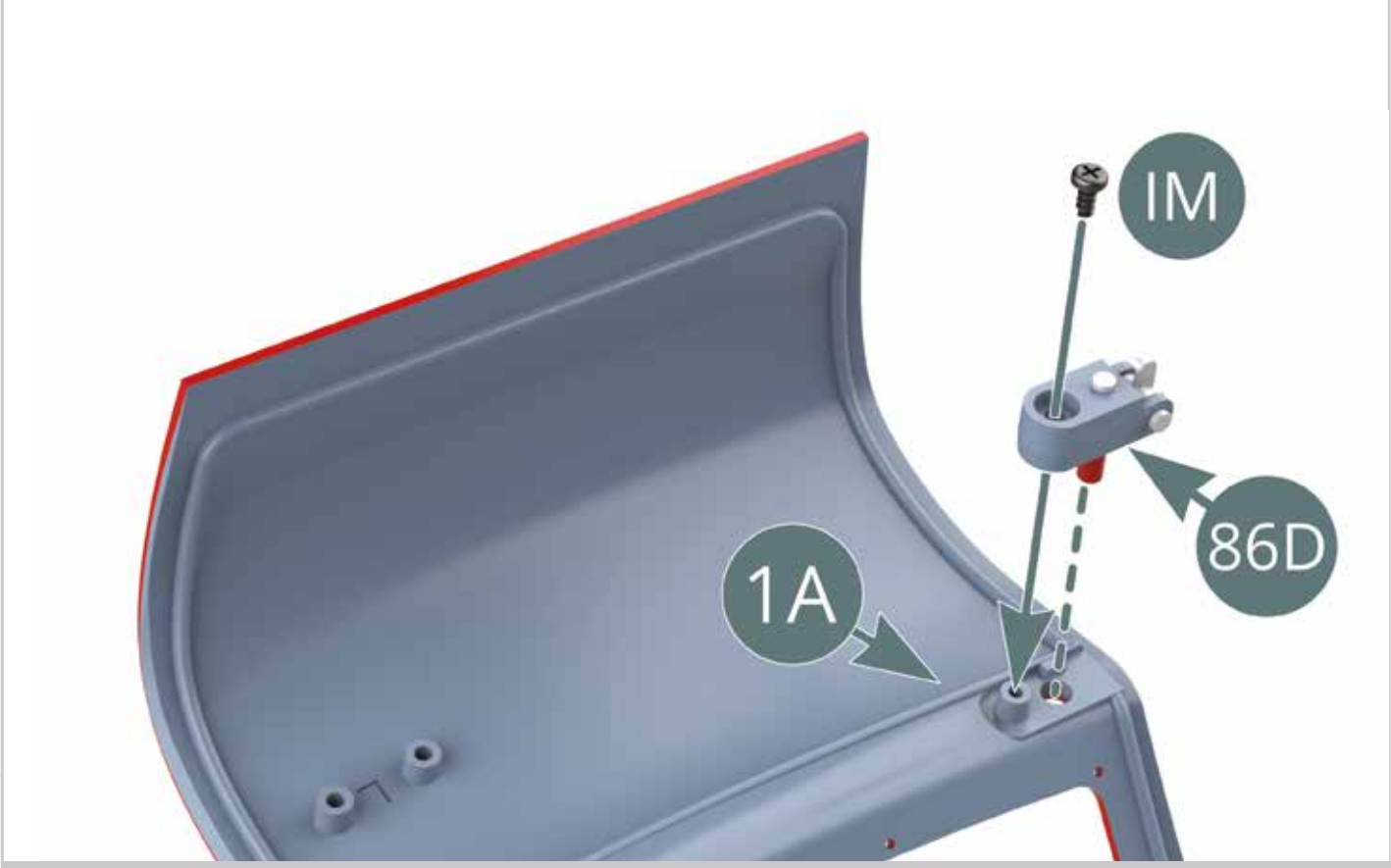




STEP 3



Push 86H Lock release to check 86G Latch rocking motion.



Attach preassembled 86D Lock to the backside of 1A Left door and fasten with IM screw.

STEP 4



Press 86H Lock release to check once more 86G Latch rocking motion in response.

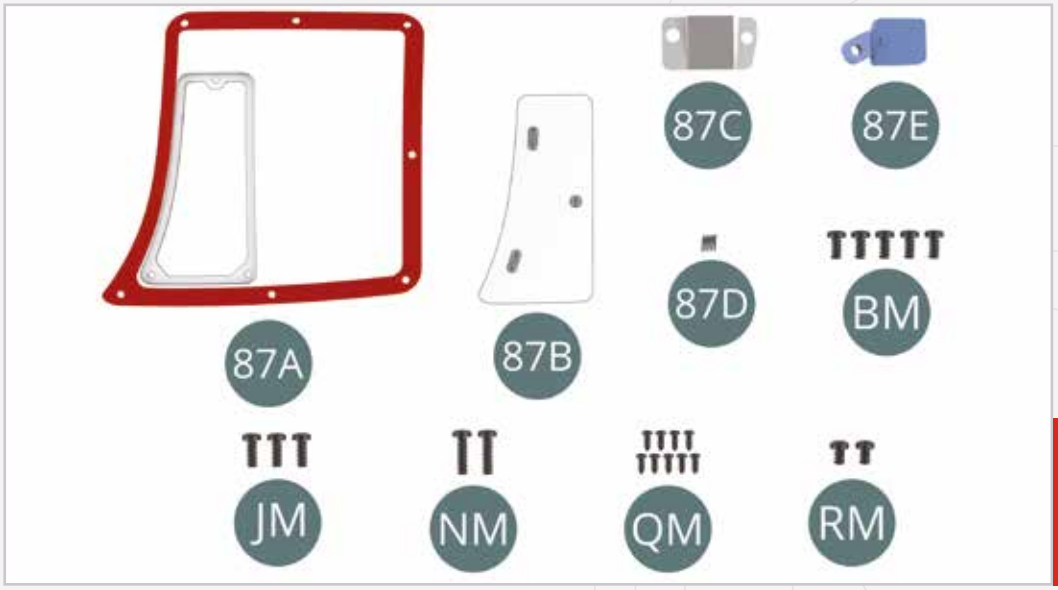
General view



Parts of the issue 87

87A Window
87B Vent window
87C Clamp
87D Spring
87E Clamp

BM M2,0 x4mm (x5)
JM M2,0 x5mm (x3)
NM M2,0 x7mm (x2)
QM M1,2 x3mm (x9)
RM M2,0 x3mm (x2)



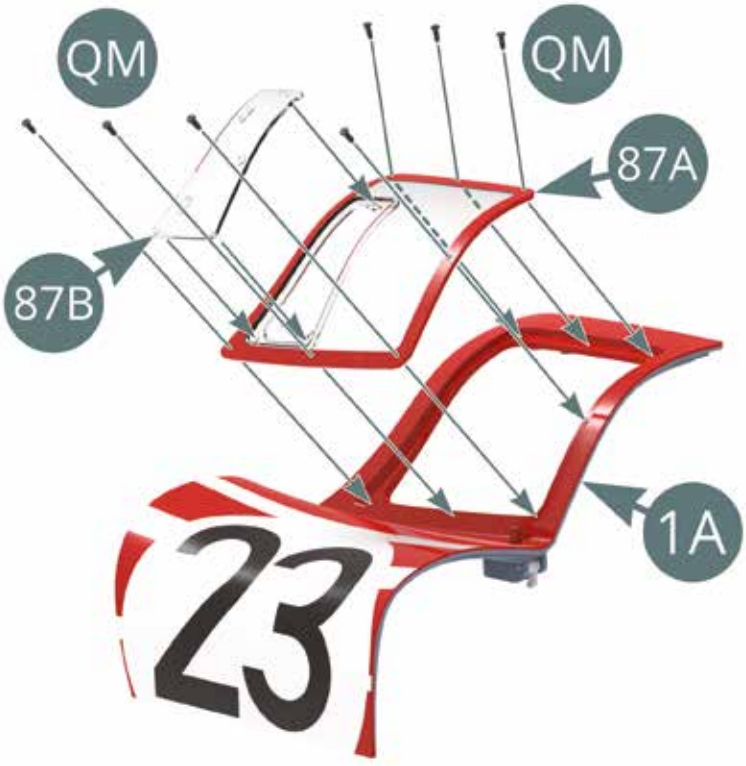
Left door assembly and attachment. Rear view mirror attachment

Assembly diagram



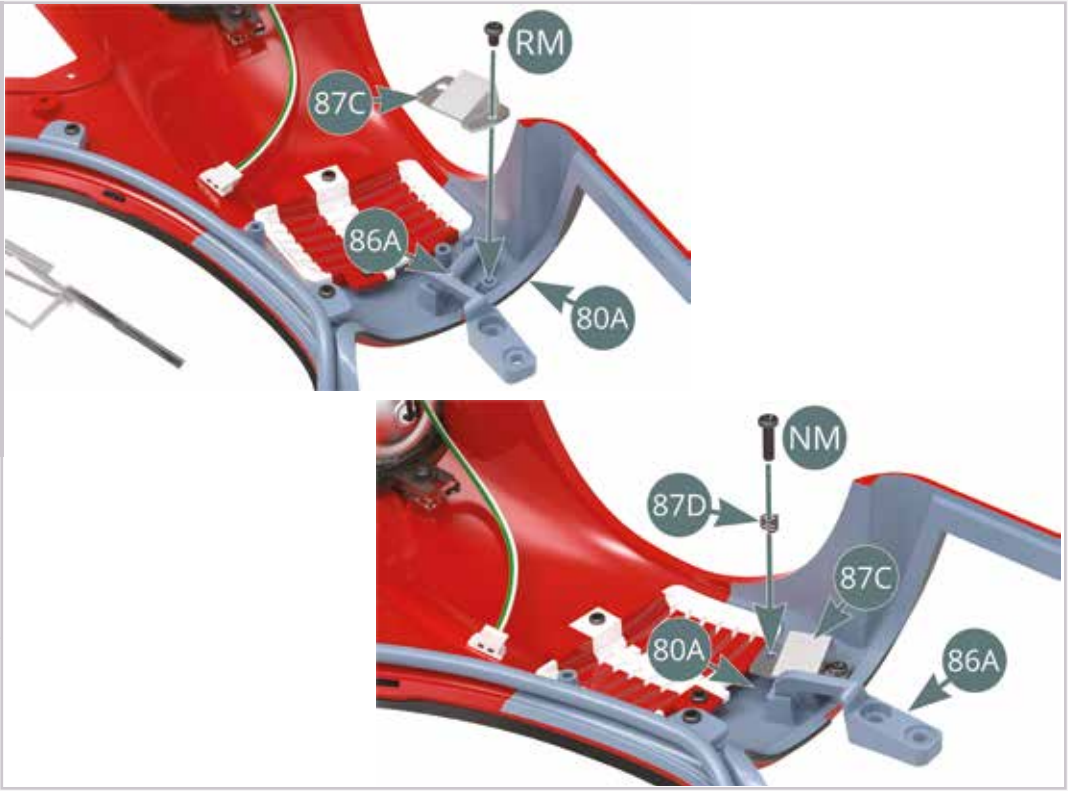
STEP 1

Attach 87B Vent window to 87A Window on its three pins.
Attach 87A Window to 1A Left door and fasten with seven QM screws.



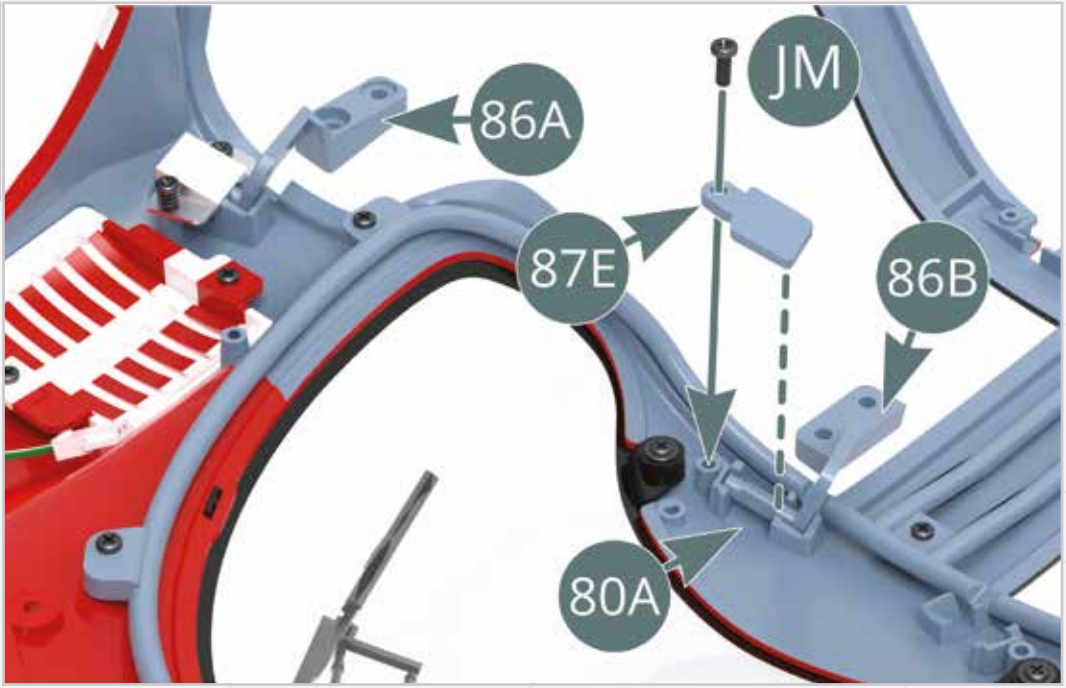
STEP 2

Place 86A Lower hinge axle into 80A Bodywork cradle and fasten with 87C Clamp and RM screw from one side. From the other side, fasten 87C Clamp to 80A Bodywork with NM screw passing it through 87D Spring. Don't tighten NM screw, leave space for 87D Spring compression.

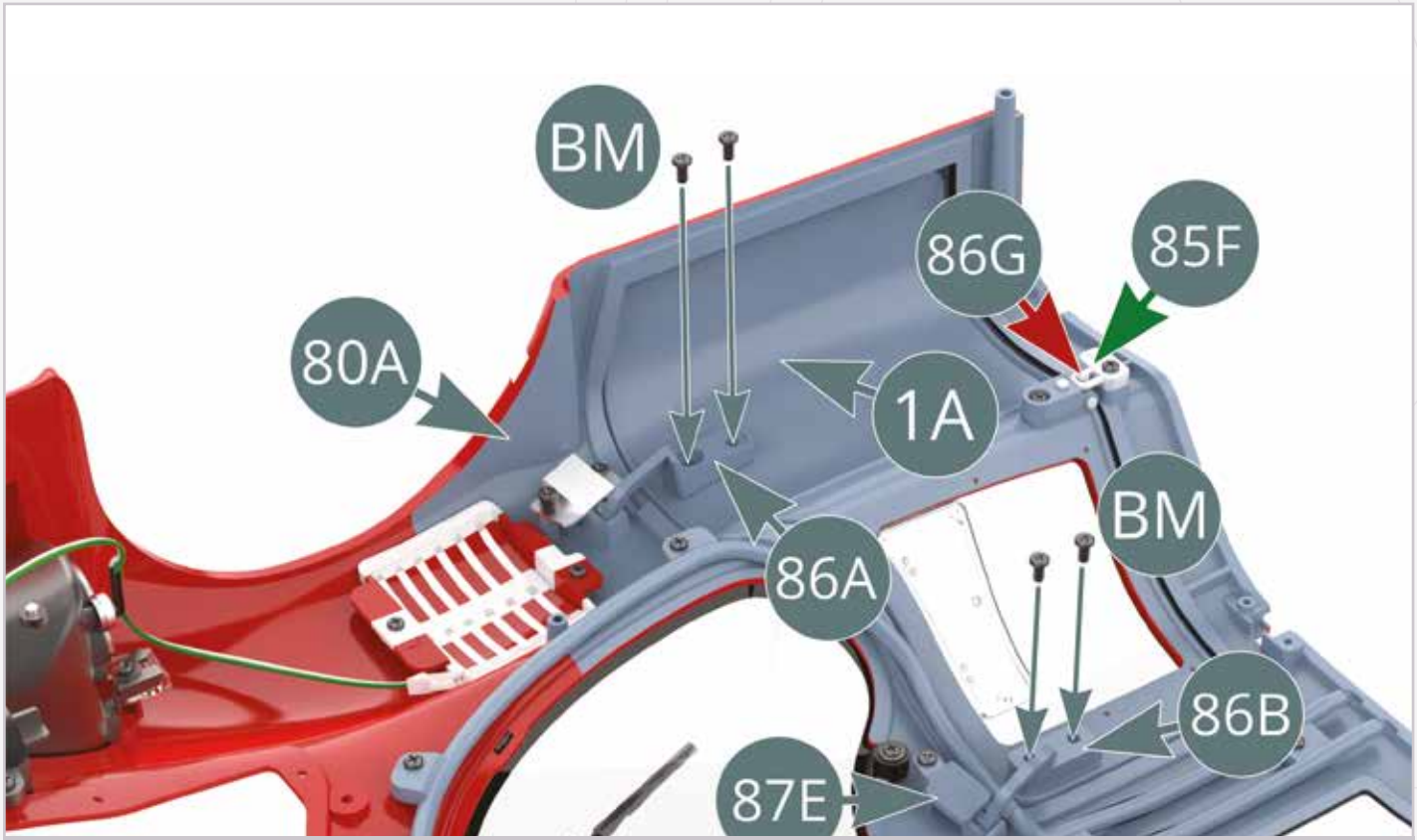


STEP 3

Place 86B Upper hinge axle into 80A Bodywork cradle and fasten with 87E Clamp and JM screw.



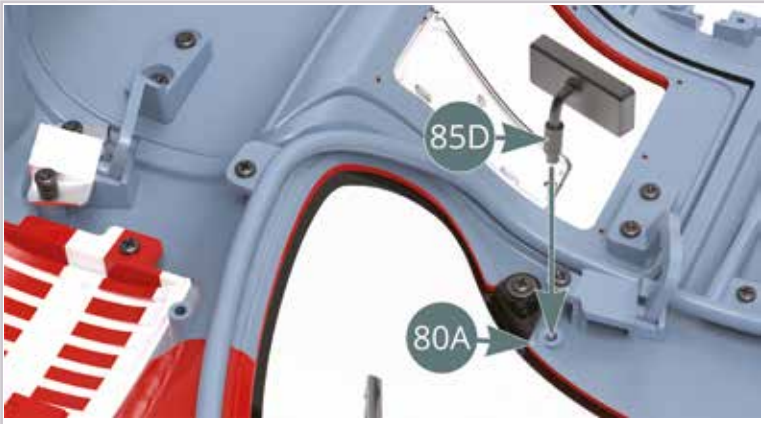
STEP 4

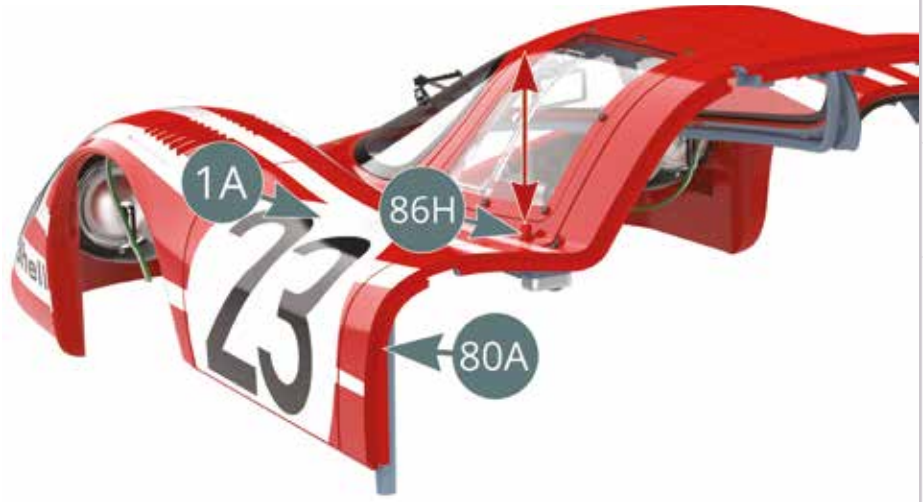


Attach 1A Left door to 80A Bodywork, engaging 86G Latch into 85F Left door lock loop. Fasten 86A Lower and 86B Upper hinges to 1A Left door with four BM screws.

STEP 5

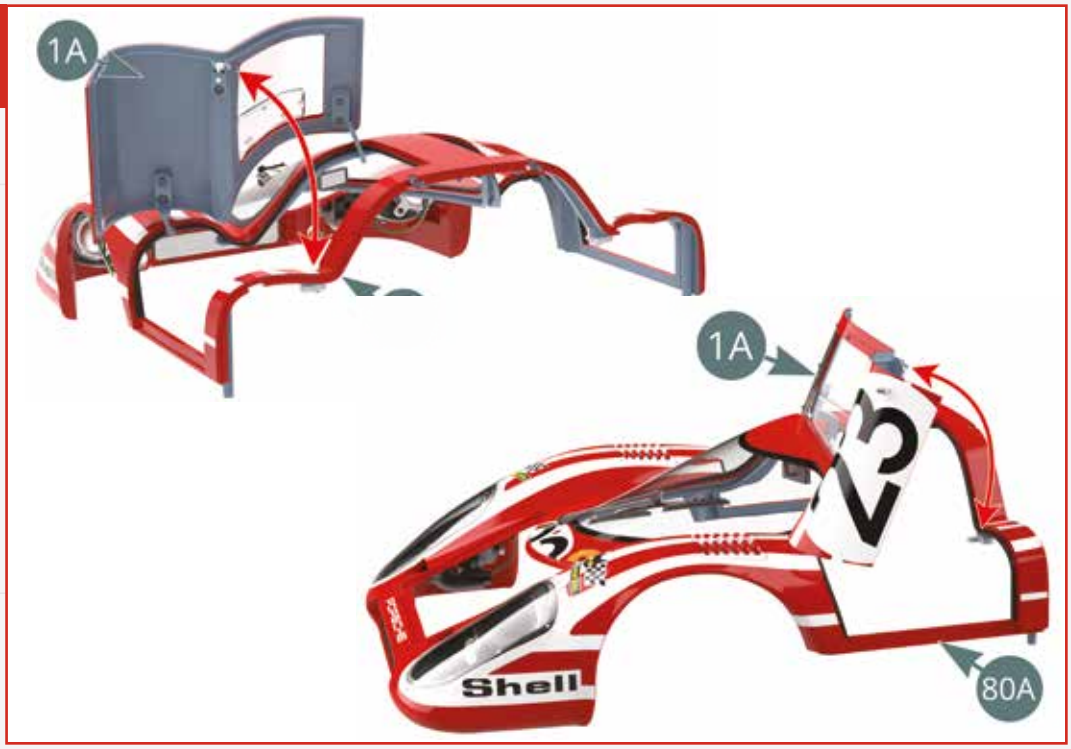
Fit Rear Mirror by its 85D Bracket to 80A Bodywork inner ceiling socket. Push 86H Lock release to test opening of 1A Left door as shown further.





STEP 6

Check opening and closing of 1A Left door



General view



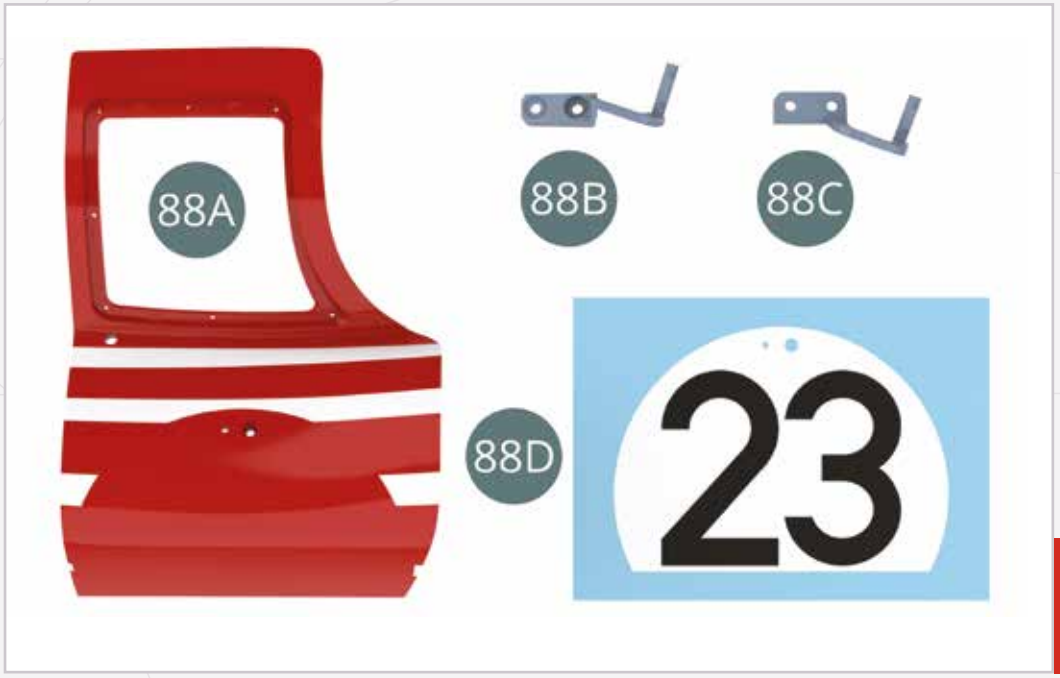
Parts of the issue 88

88A Right door

88B Lower hinge

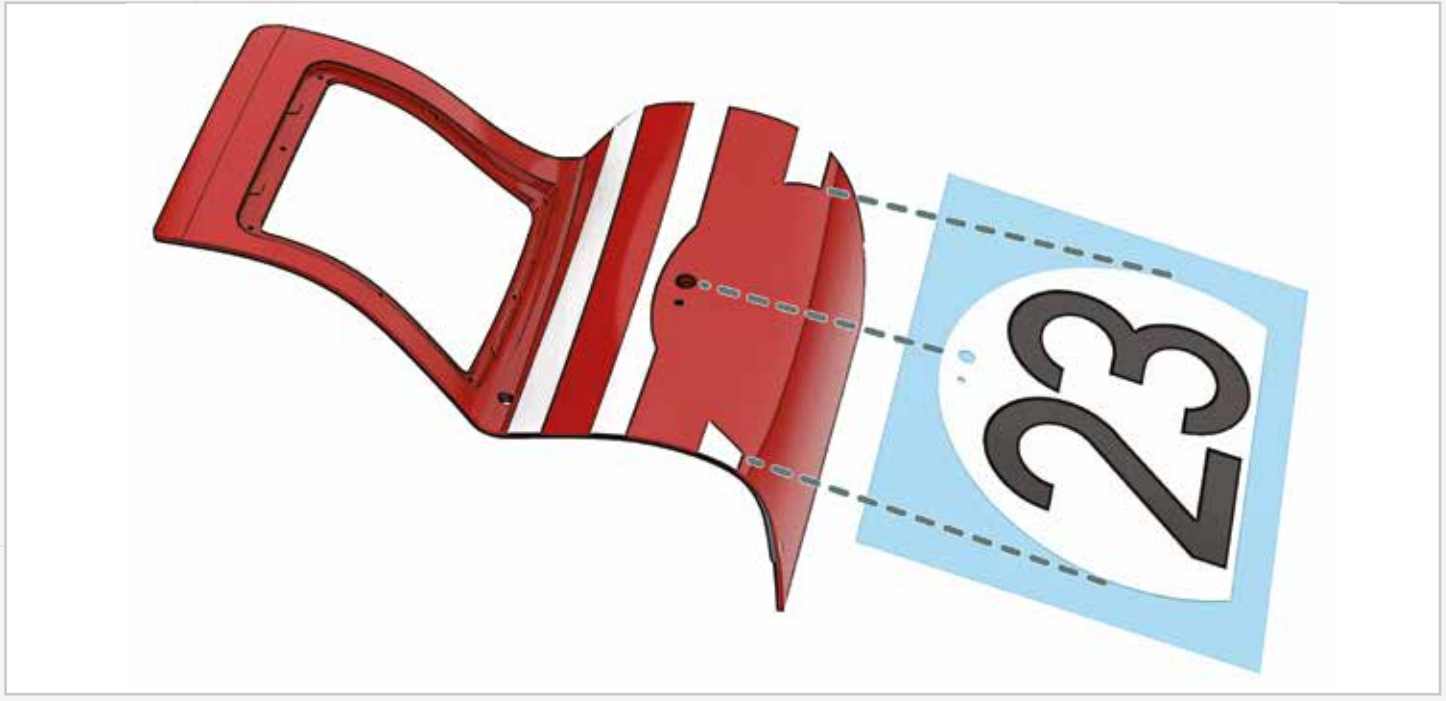
88C Upper hinge

88D Decal (x2)



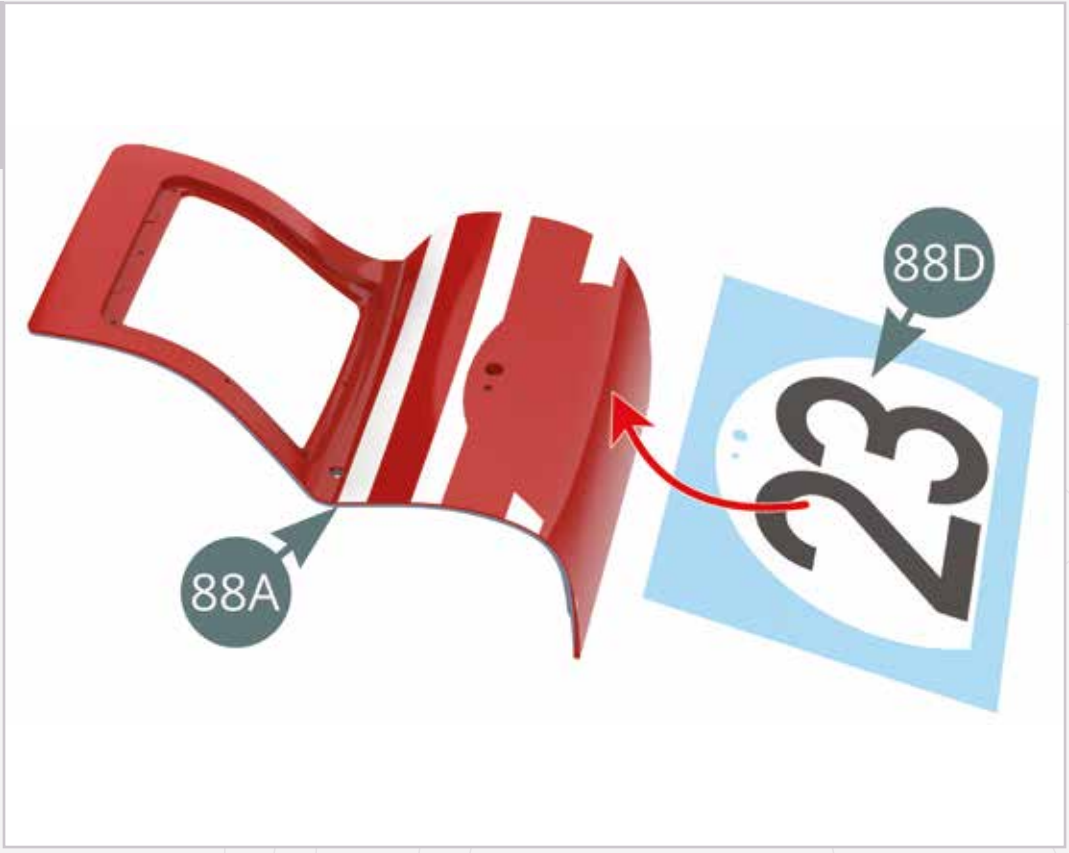
Right side door decoration with the car number decal

Assembly diagram



STEP 1

Put 88D Decal in water for about 60 seconds, then slide on 88A Right door outer surface.



STEP 2

Align, referring to next illustration, allow to set for some 3 minutes and smooth on with soft cotton tissue.

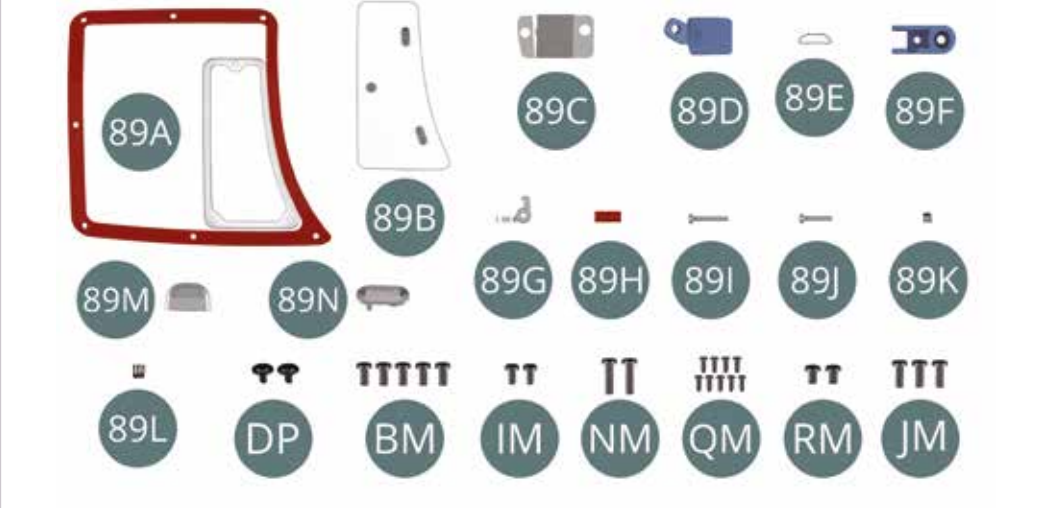


General view



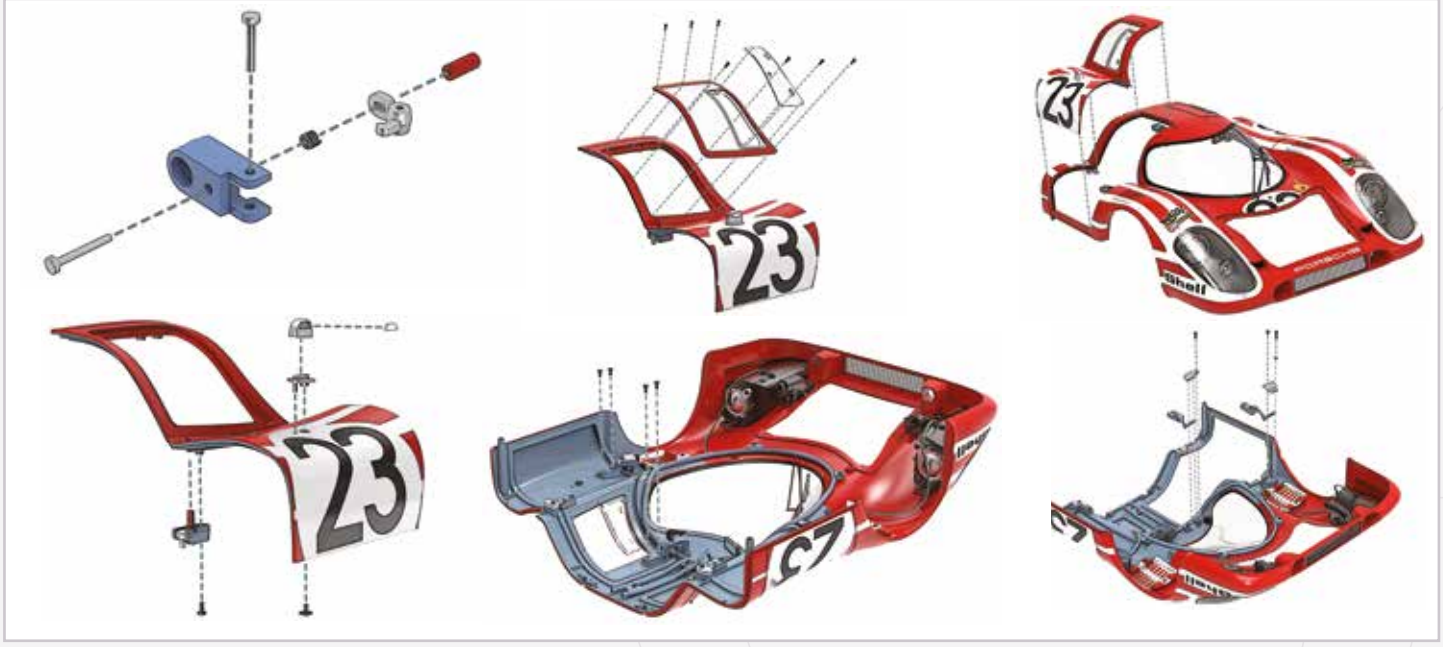
Parts of the issue 89

89A Window
89B Vent window
89C Clamp
89D Clamp
89E Glass
89F Lock
89G Latch
89H Lock release
89I Pin (longer)
89J Pin (shorter)
89K Spring (smaller)
89L Spring (larger)
89M Lamp housing
89N Lamp base
BM M2,0 x4mm (x5)
DP M1,7 x3x5mm (x2)
IM M1,7 x3,5mm (x2)
JM M2,0 x5mm (x3)
NM M2,0 x7mm (x2)
QM M1,2 x3mm (x9)
RM M2,0 x3mm (x2)

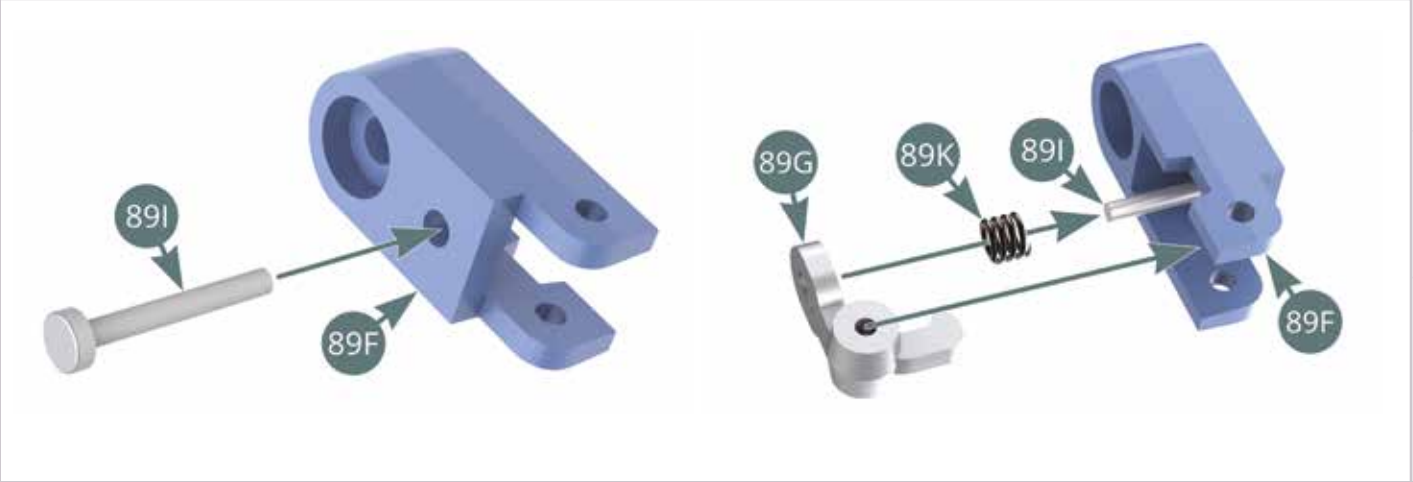


Right door assembly and attachment

Assembly diagram



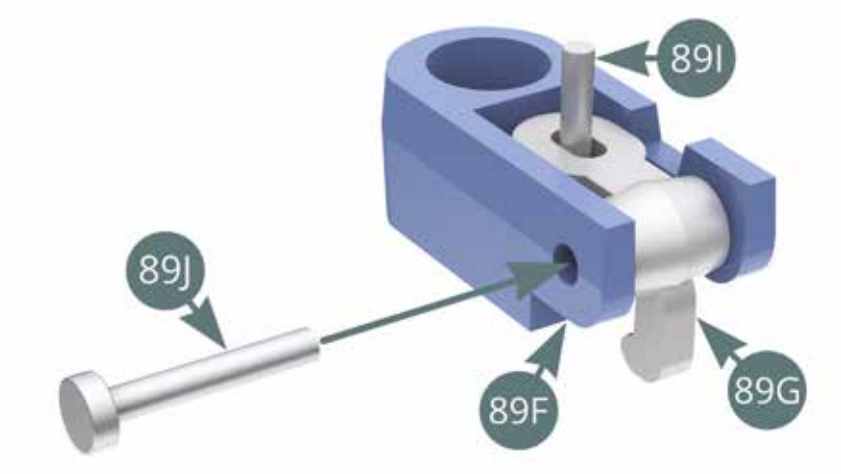
STEP 1

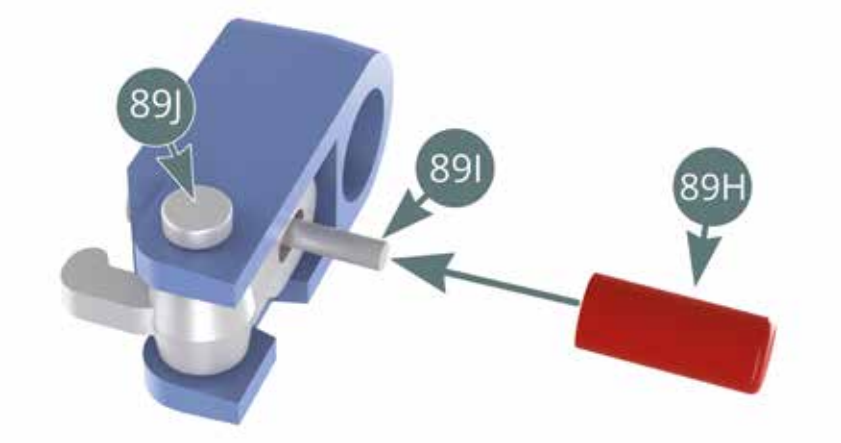


Insert longer 89I Pin into 89F Lock body. Fit 89K Spring and 89G Latch on 89I Pin.

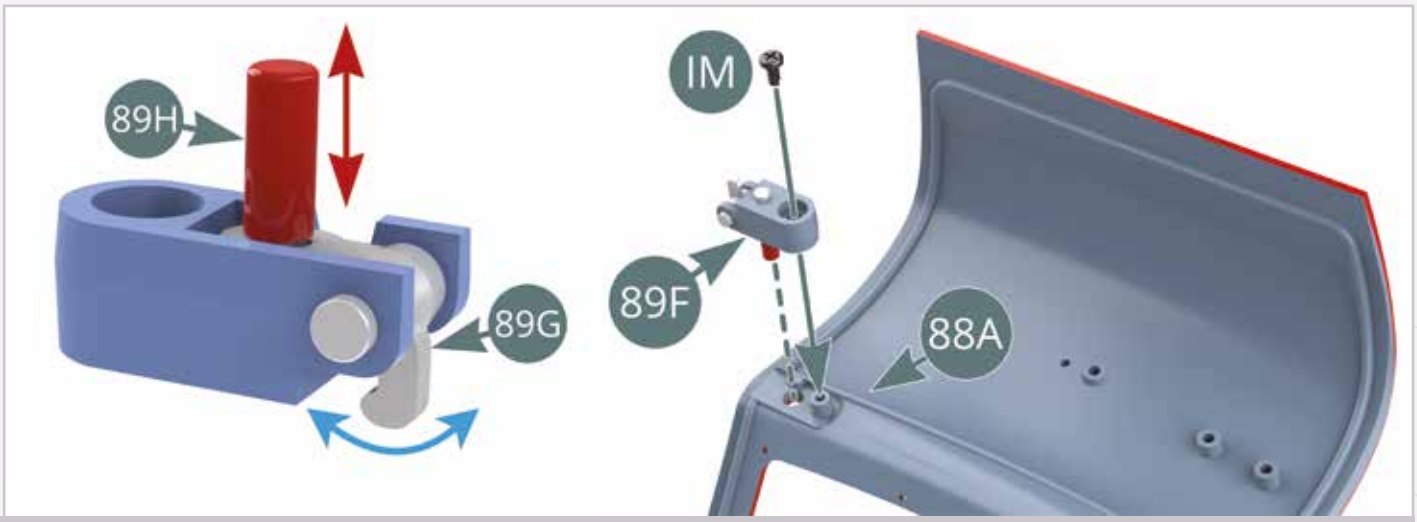
STEP 2

Align 89G Latch axis to 89F Lock and insert 89J Pin.
Fit 89H Lock release on 89I Pin.





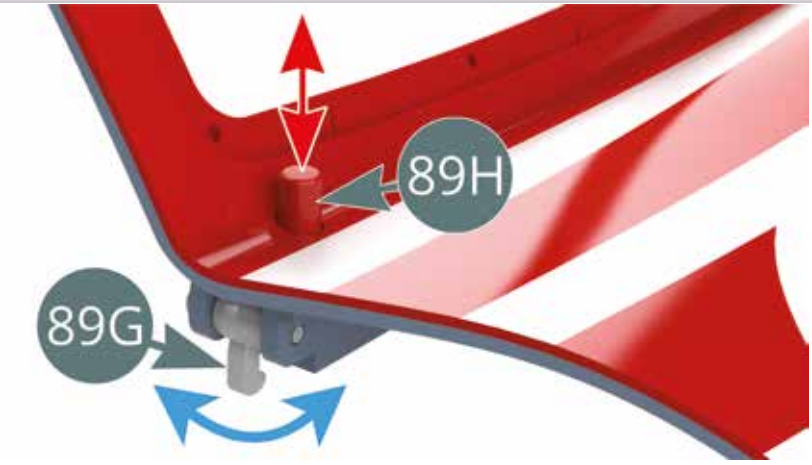
STEP 3

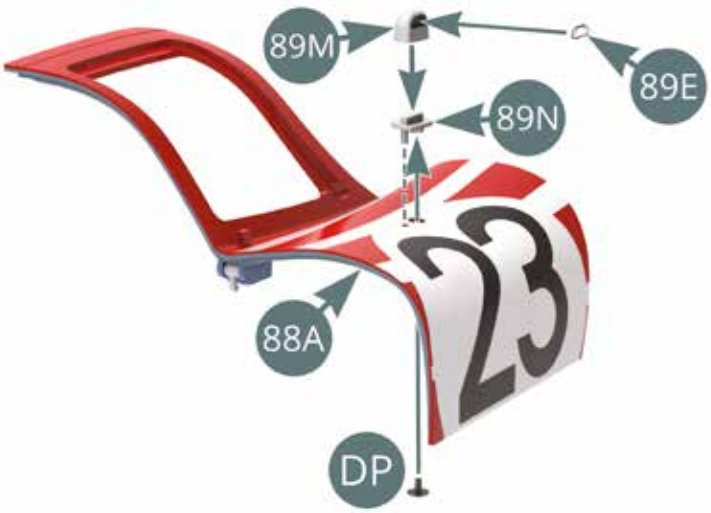


Push 89H Lock release to check 89G Latch rocking motion. Attach preassembled 89F Lock to the backside of 88A Right door and fasten with IM screw.

STEP 4

Press 89H Lock release to check once more 89G Latch rocking motion in response. Attach 89N Lamp base to 88A Right door and fasten from the other side with DP screw. Attach 89E Glass to 89M Lamp housing and attach to 89N Lamp base.





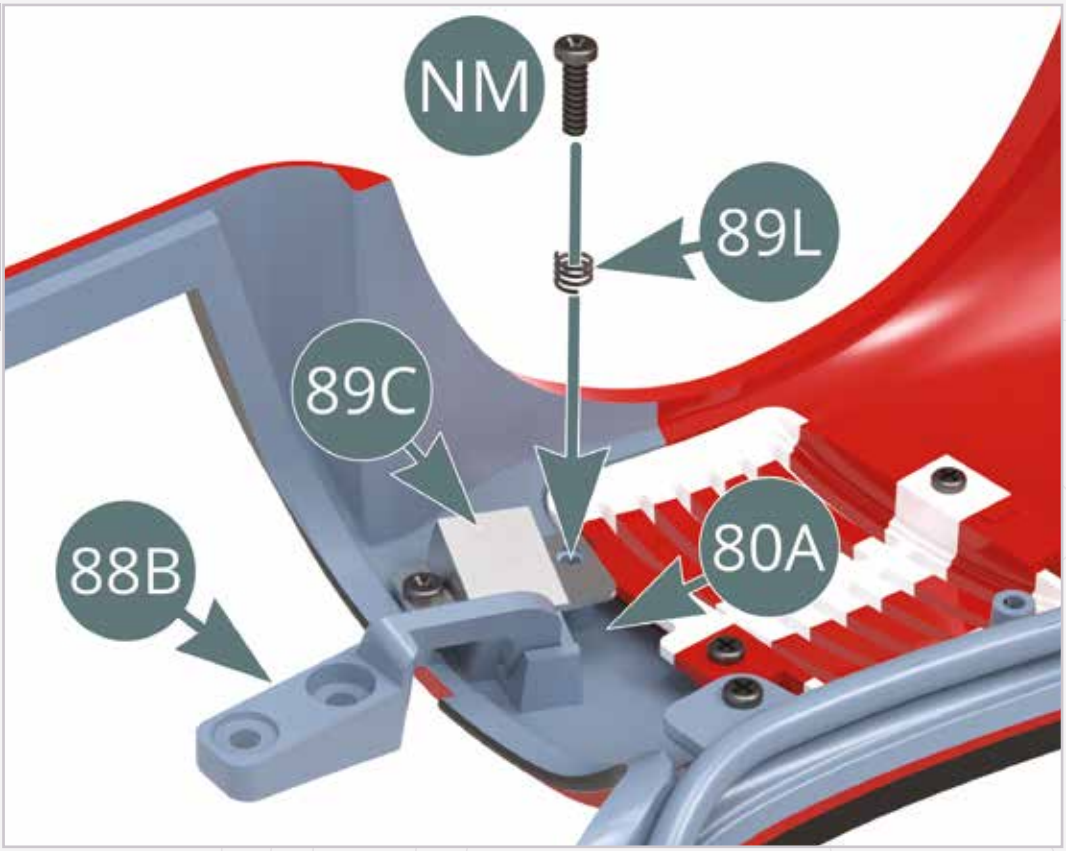
STEP 5

Attach 89B Vent window to 89A Window on its three pins.
Attach 89A Window to 88A Right door and fasten with seven QM screws.
Place 88B Lower hinge axle into 80A Bodywork cradle and fasten with 89C Clamp and RM screw from one side.



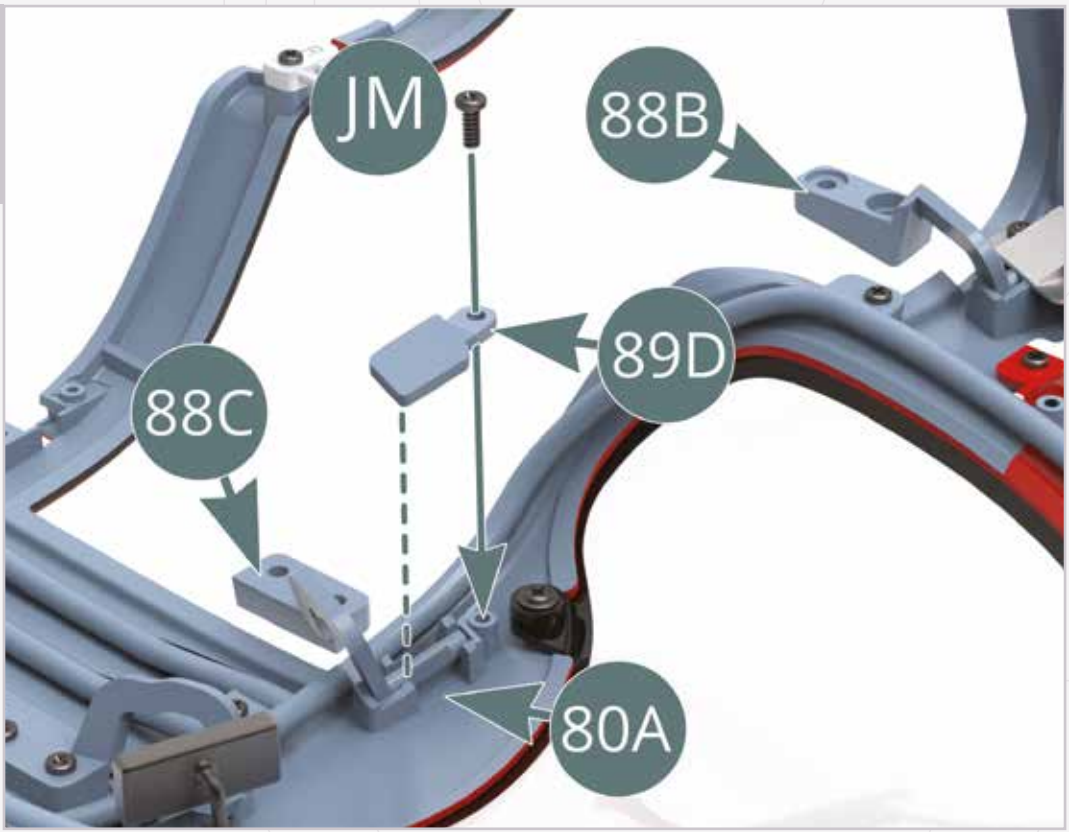
STEP 6

From the other side, fasten 89C Clamp to 80A Bodywork with NM screw passing it through 89L Spring. Don't tighten NM screw, leave space for 89L Spring compression.

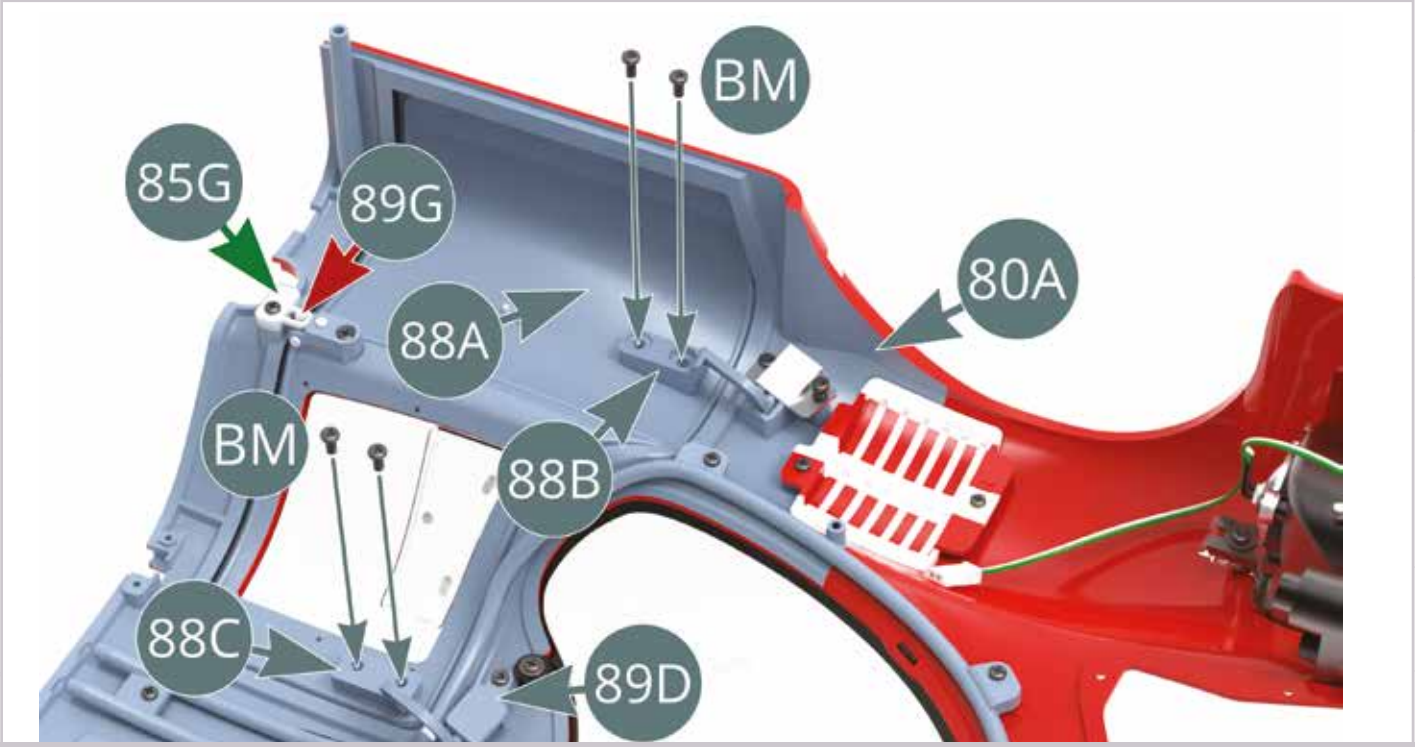


STEP 7

Place 88C Upper hinge axle into 80A Bodywork cradle and fasten with 89D Clamp and JM screw.

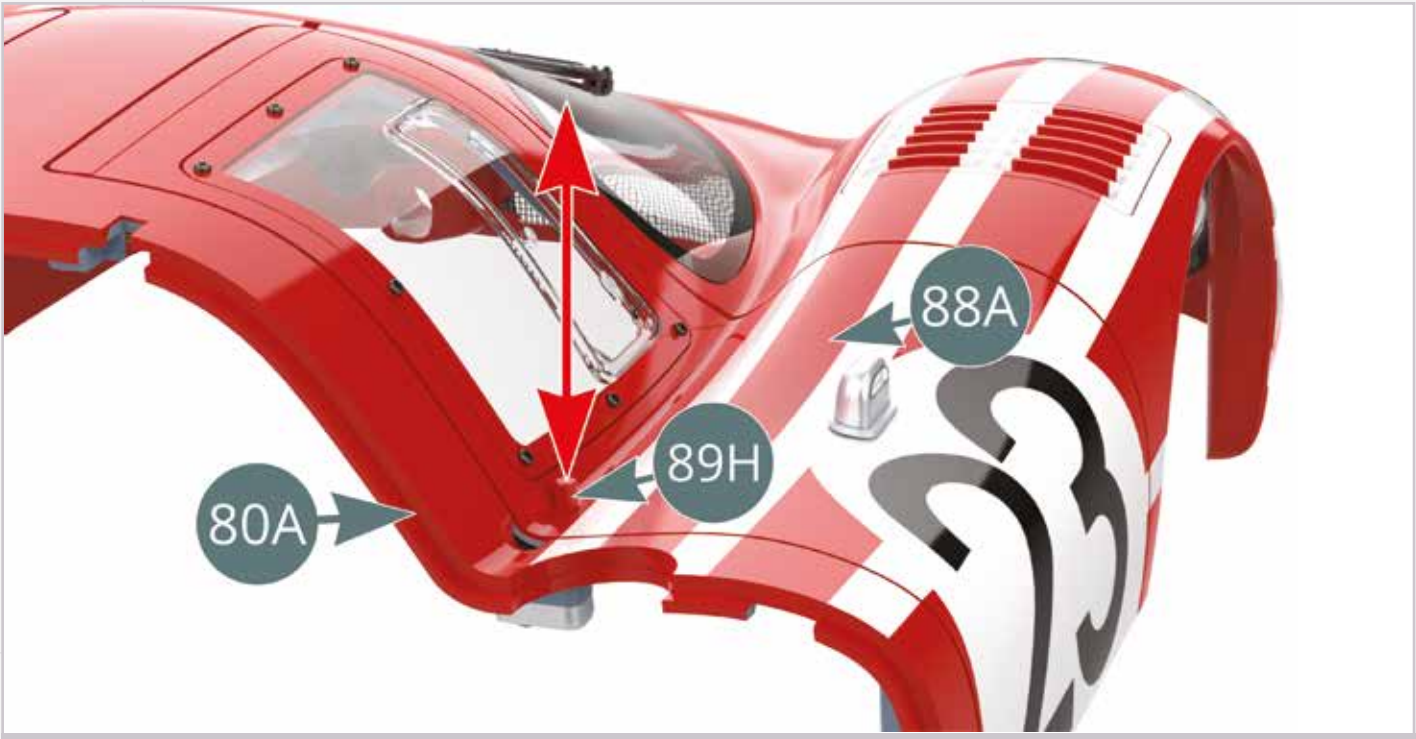


STEP 8



Attach 88A Right door to 80A Bodywork, engaging 89G Latch into 85G Right door lock loop. Fasten 88B Lower and 88C Upper hinges to 88A Right door with four BM screws.

STEP 9



Push 89H Lock release to test opening of 88A Right door.

General view





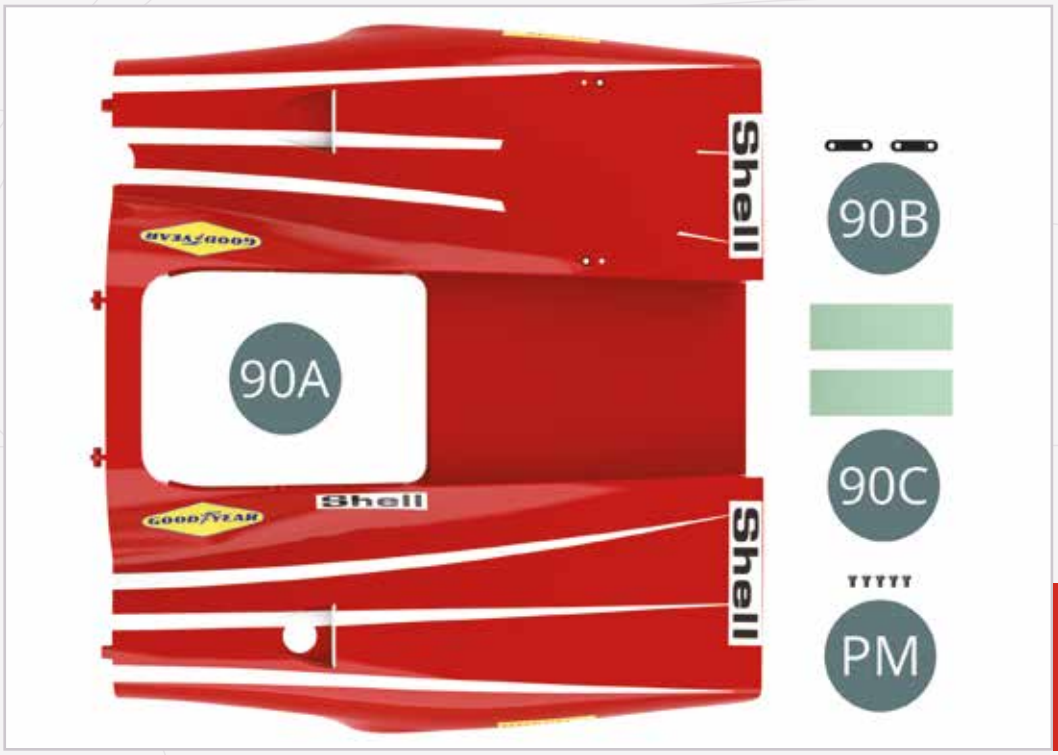
Parts of the issue 90

90A Rear hood

90B Hinge clamp (x2)

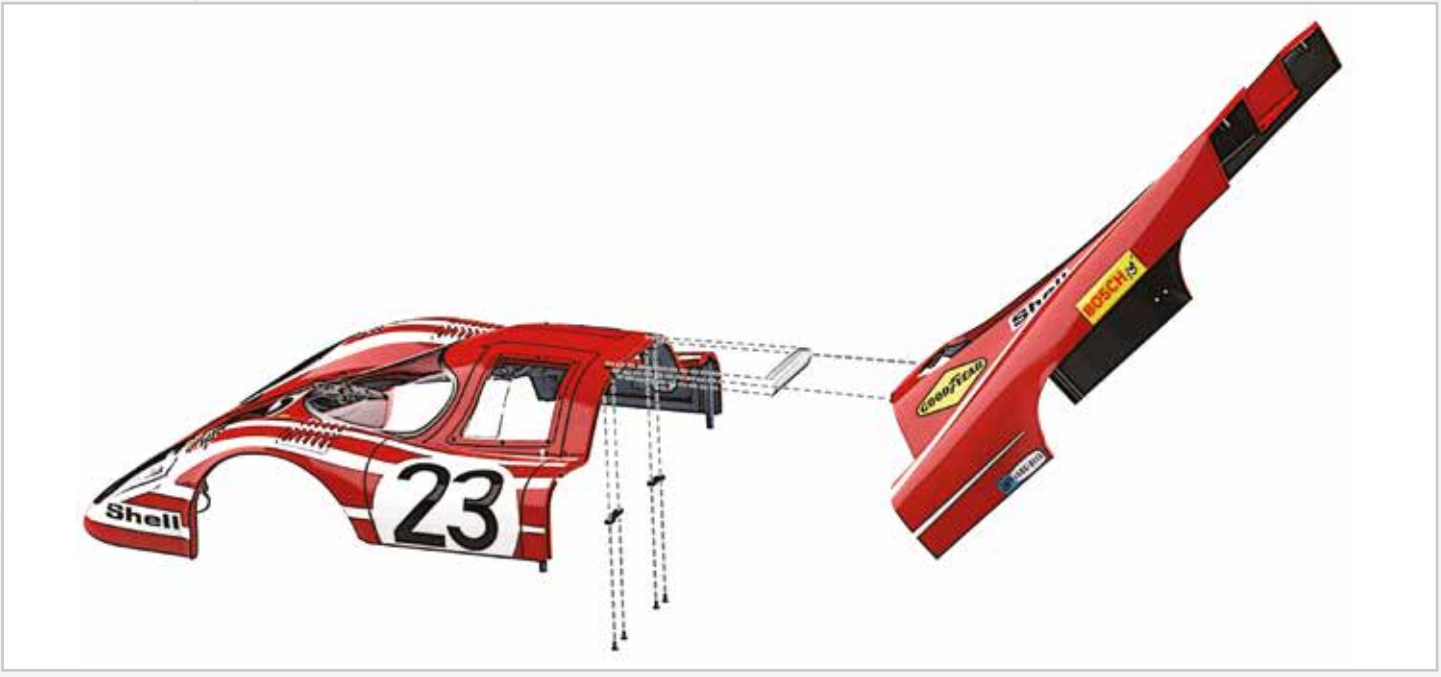
90C Transparent tape (x2)

PM M2,0 x4mm (x5)



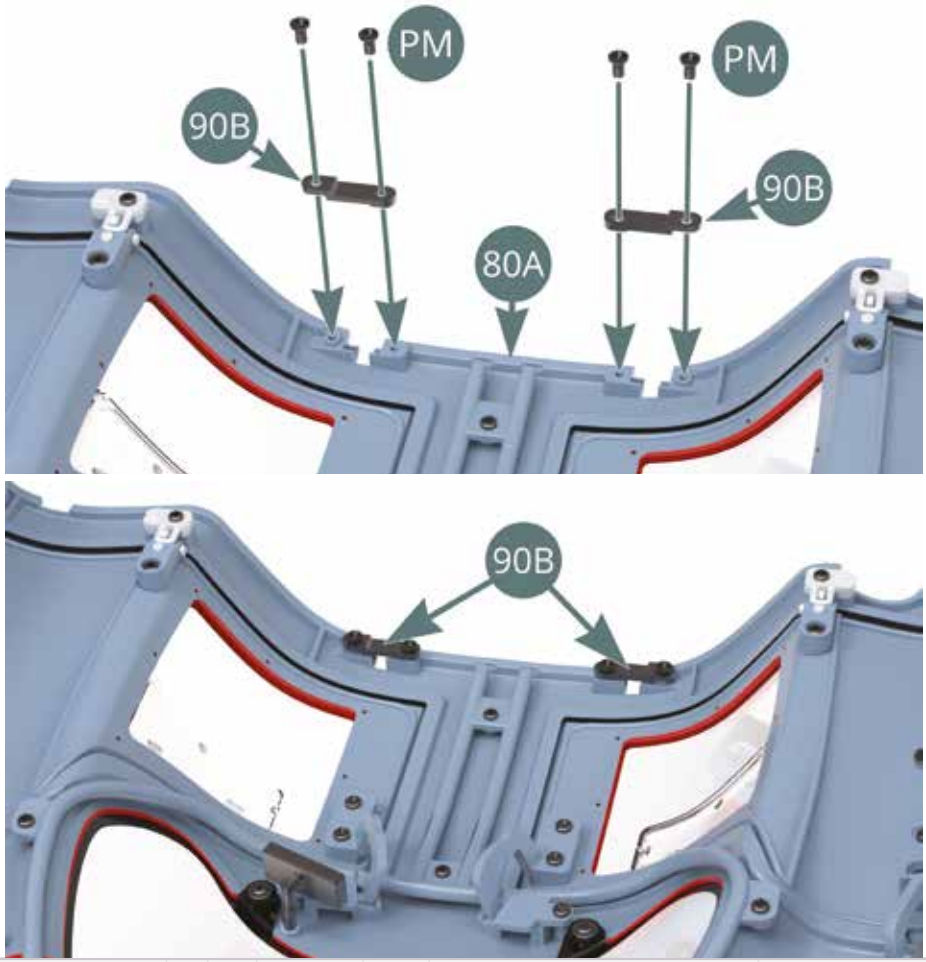
Bodywork hinge clamps attachment, rear hood attachment test

Assembly diagram

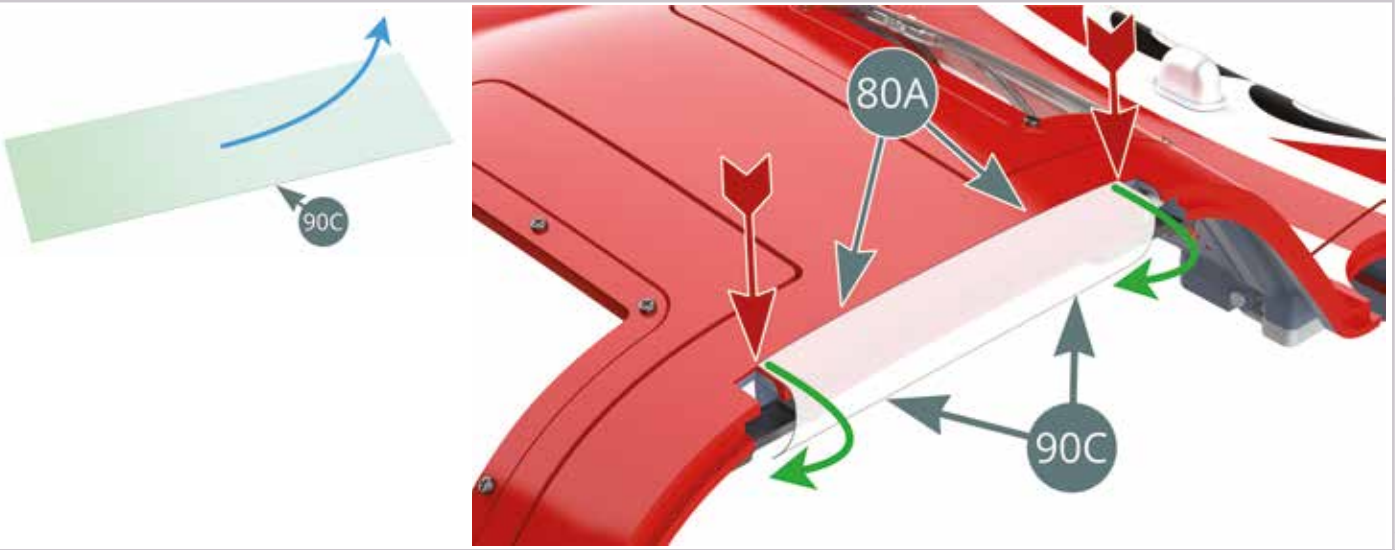


STEP 1

Attach two 90B Hinge clamps to the underside edge area of 80A Bodywork and fasten with four PM screws.



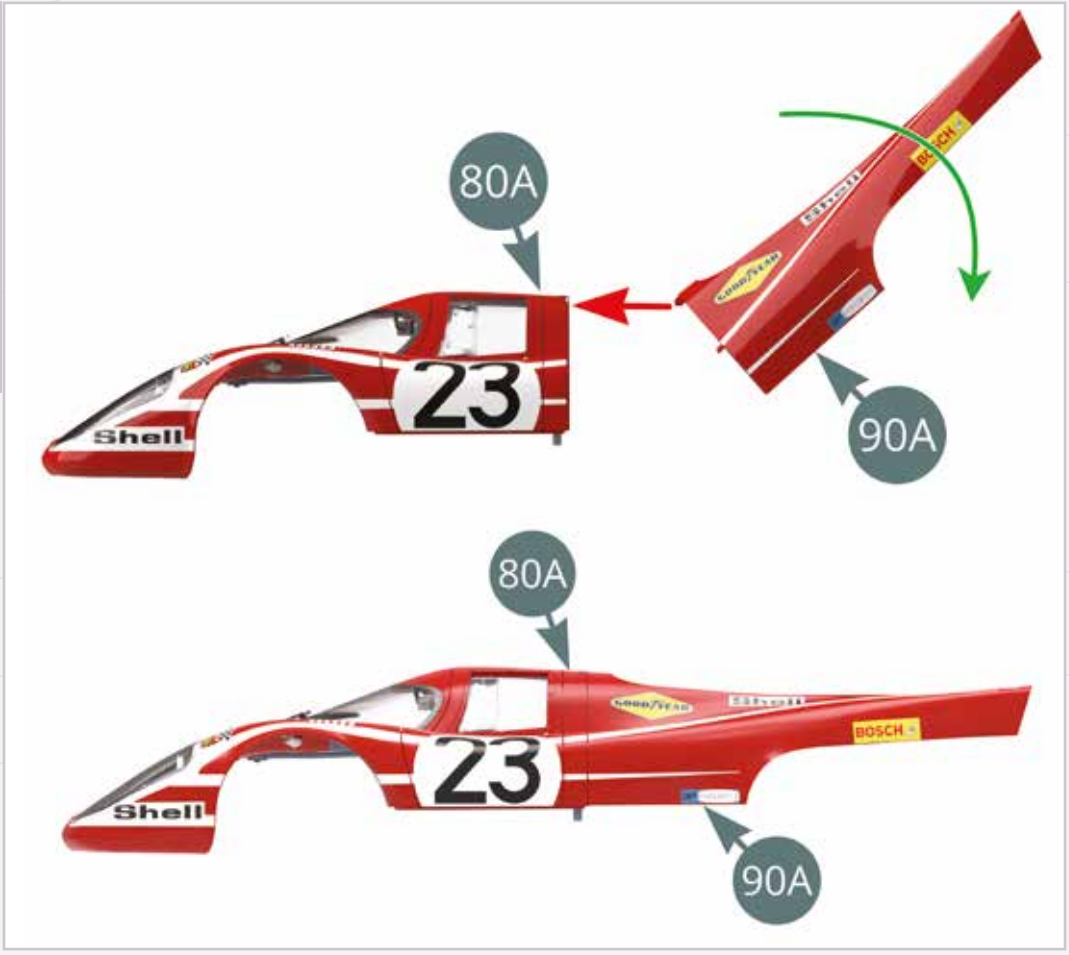
STEP 2



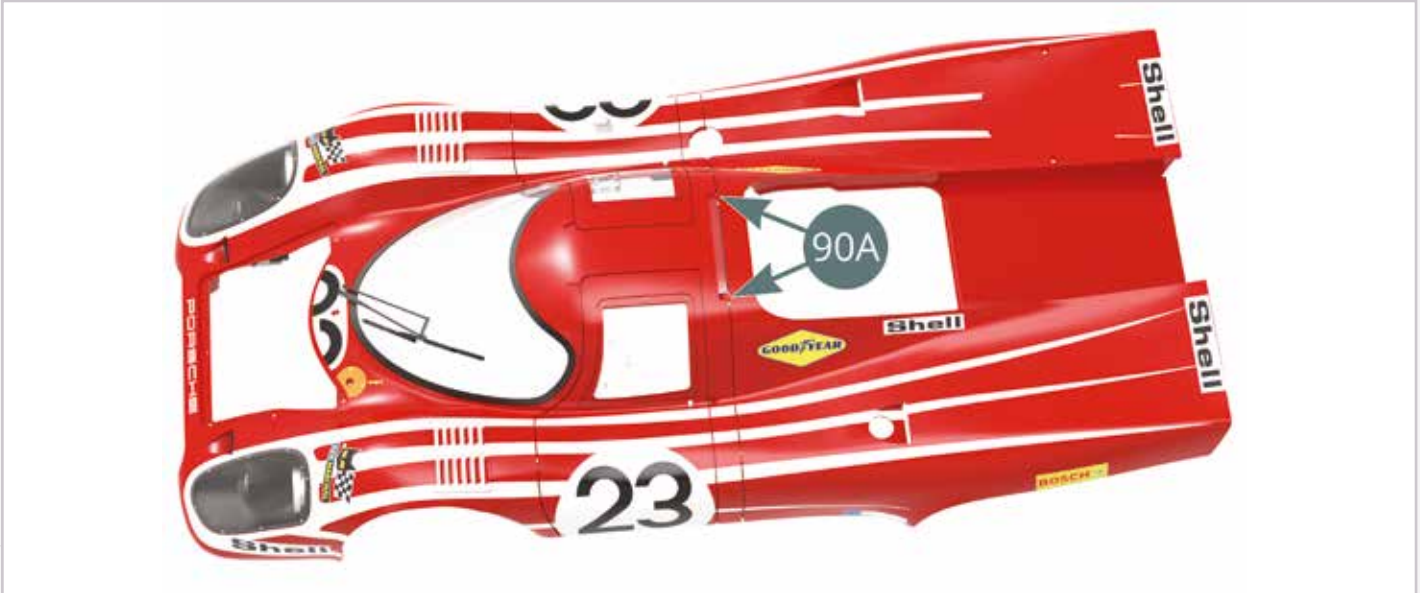
Raise 90C Transparent tape off its backing paper and wrap around 80A Bodywork edge. This 90C Transparent tape will serve to safeguard the edge painting from scratching during the following 90A Rear hood attachment test.

STEP 3

Raise 90A Rear hood to 45 degrees angle and keeping that way move forward (red arrow) to insert its two hinges into 80A Bodywork hinge sockets. Once inserted, turn 90A Rear hood to horizontal position (green arrow, upper and lower illustrations).



STEP 4



Having tested the joint, remove 90A Rear hood in reverse order (raise it up to 45 degrees and pull back horizontally) for its further assembly.

General view



Parts of the issue 91

91A Left air duct

91B Right air duct

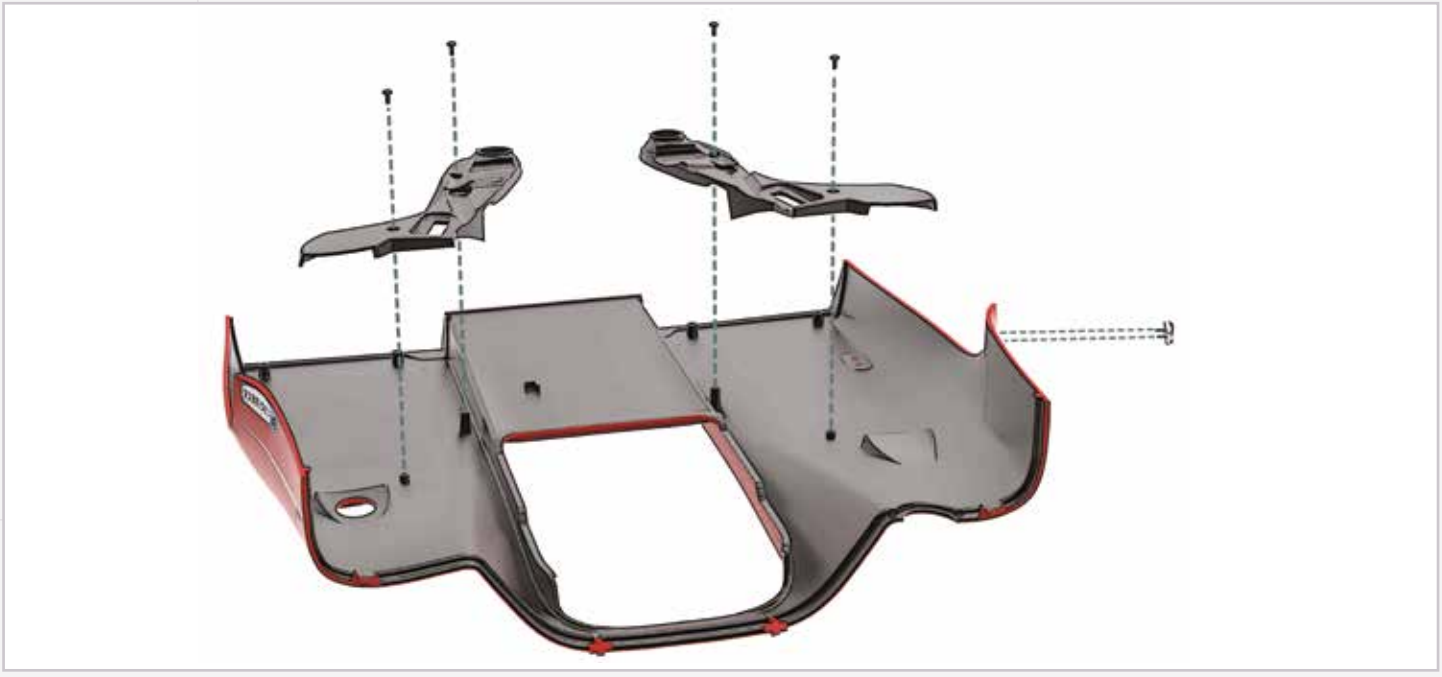
91C Side lamp

IM M1,7 x3,5mm (x5)

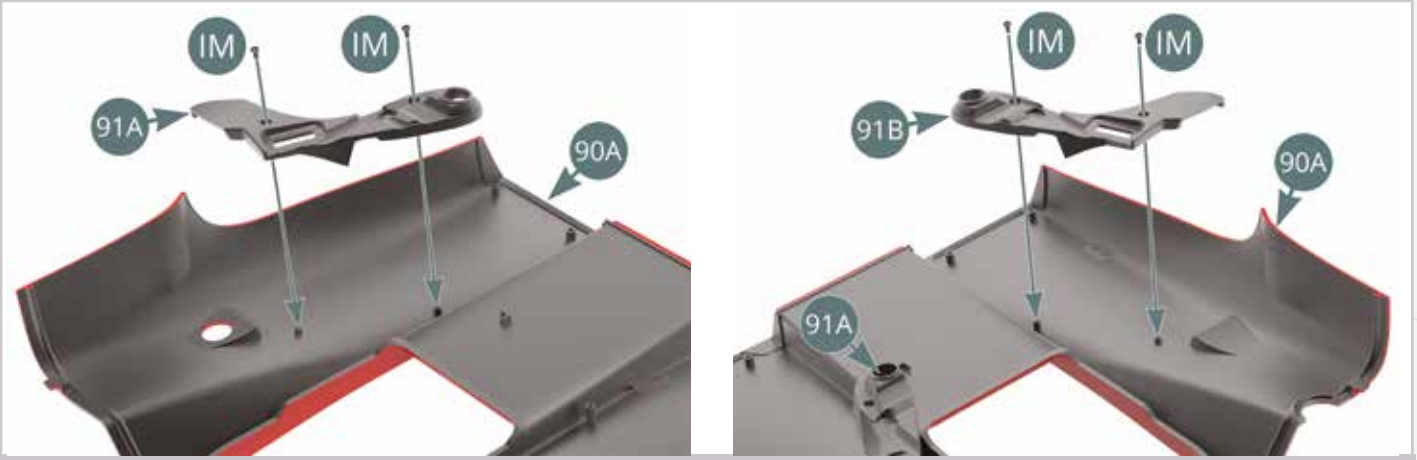


Air ducts and transparent plug attachment to rear hood

Assembly diagram



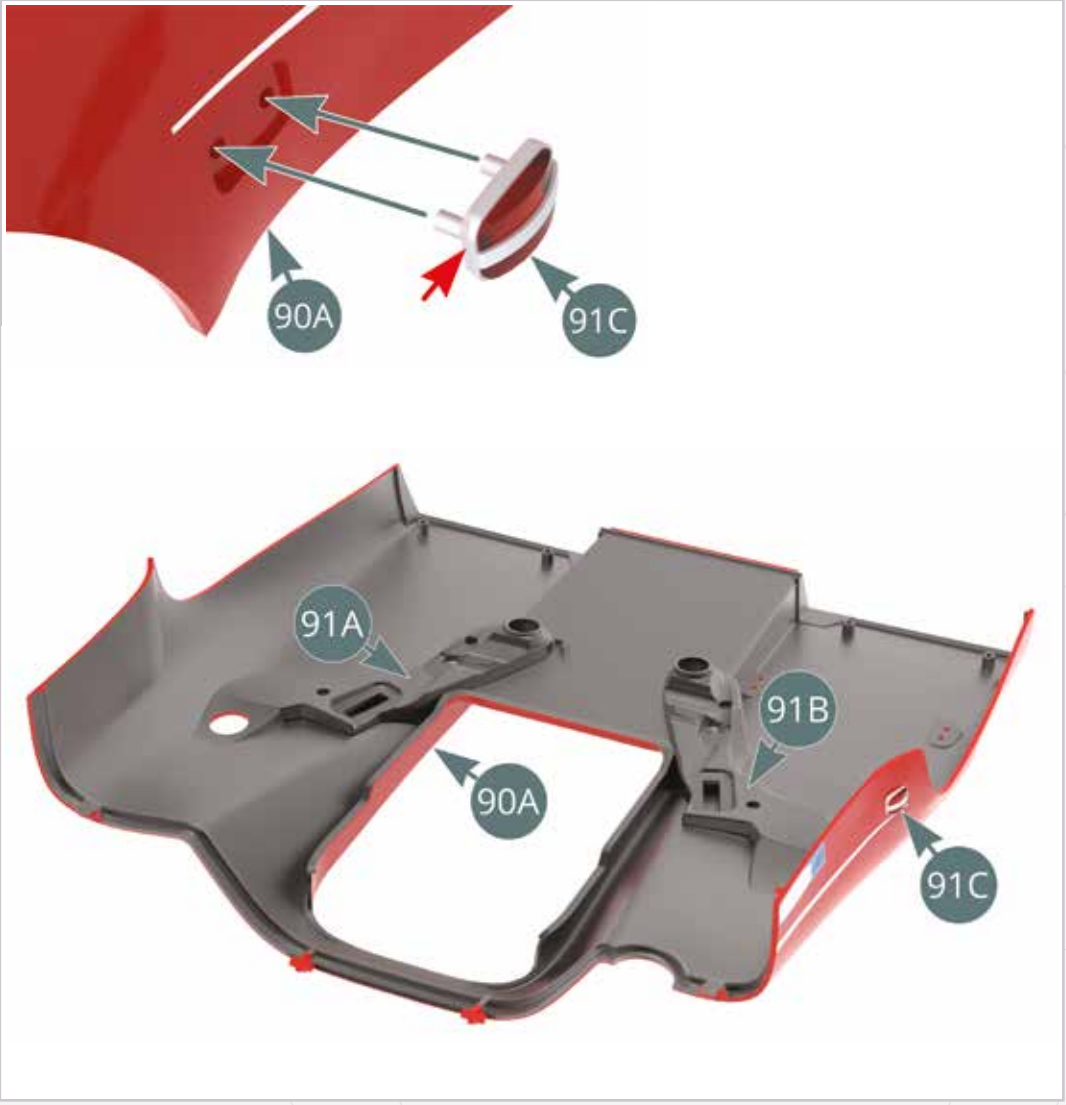
STEP 1



Attach 91A Left air duct to the underside of 90A Rear hood and fasten with two IM screws. Attach 91B Right air duct to the underside of 90A Rear hood and fasten with two IM screws.

STEP 2

Attach 91C Side lamp to 90A Rear hood right side, with its slanted facet facing to rear (red arrow).
91A Left, 91B Right air ducts and 91C Side lamp are attached to 90A Rear hood.



General view





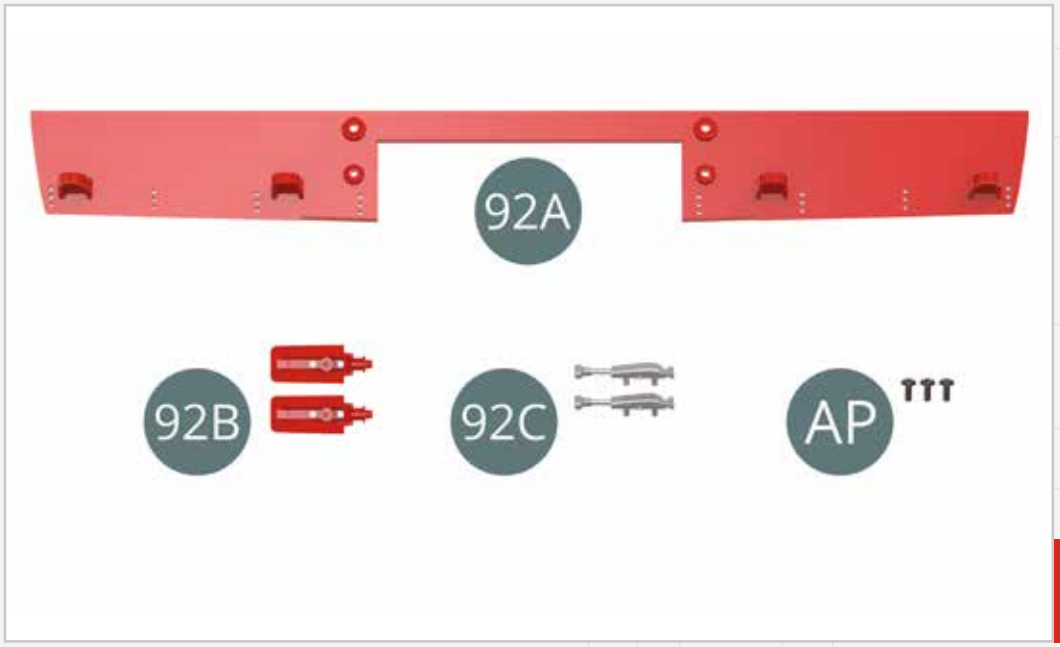
Parts of the issue 92

92A Rear hood panel

92B Lock base (x2)

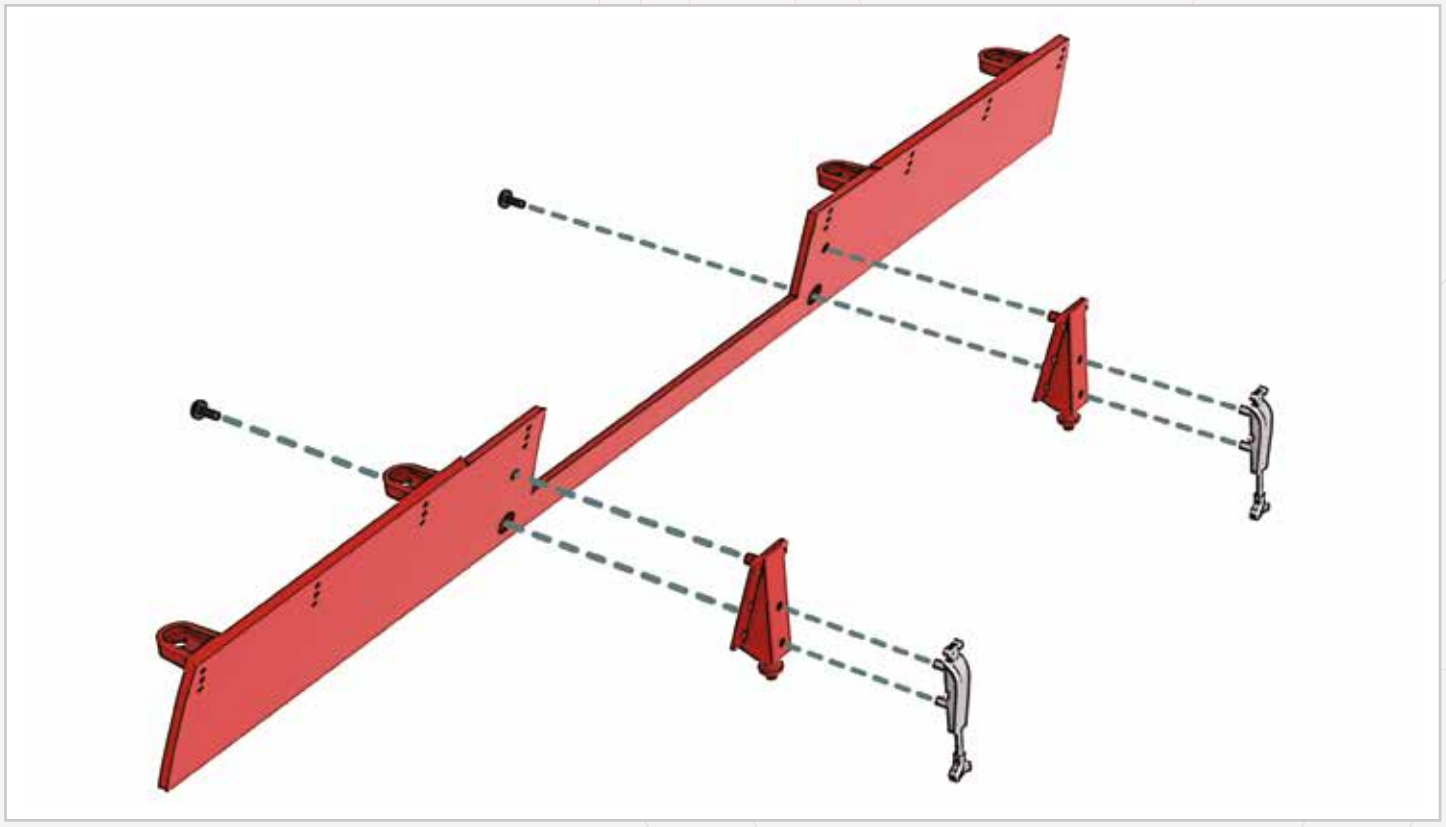
92C Lock (x2)

AP M1,7 x4mm (x3)



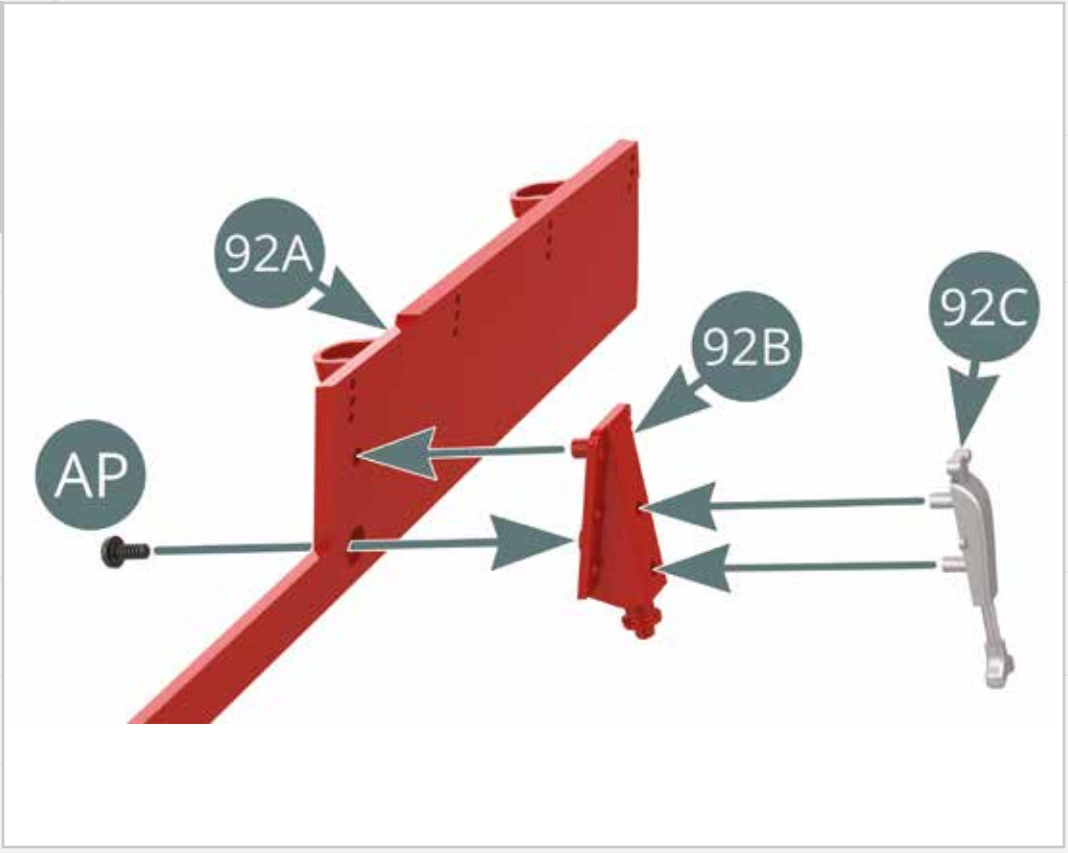
Rear hood panel assembly

Assembly diagram



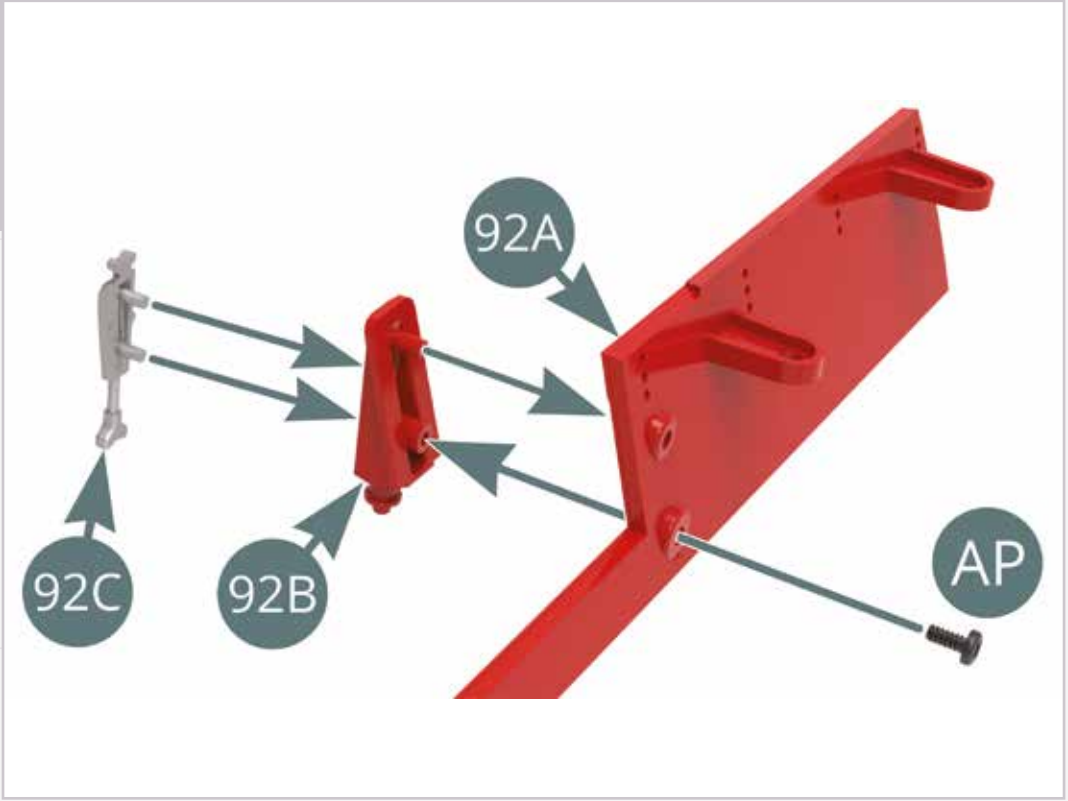
STEP 1

Attach 92C Lock to 92B Lock base. Attach 92B Lock base to one side of 92A Rear hood panel and fasten with AP screw.

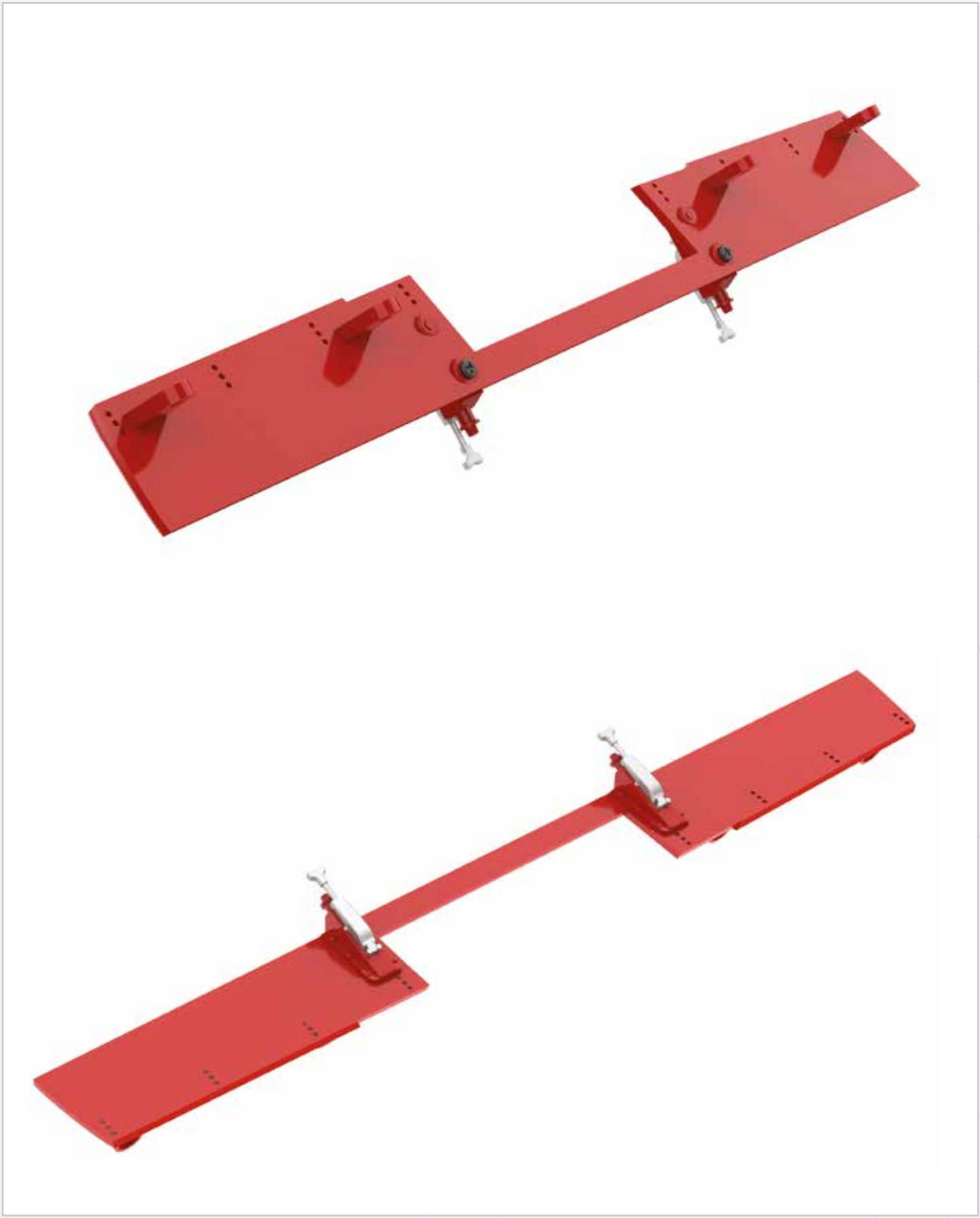


STEP 2

Attach 92C Lock to 92B Lock base. Attach 92B Lock base to the other side of 92A Rear hood panel and fasten with AP screw.

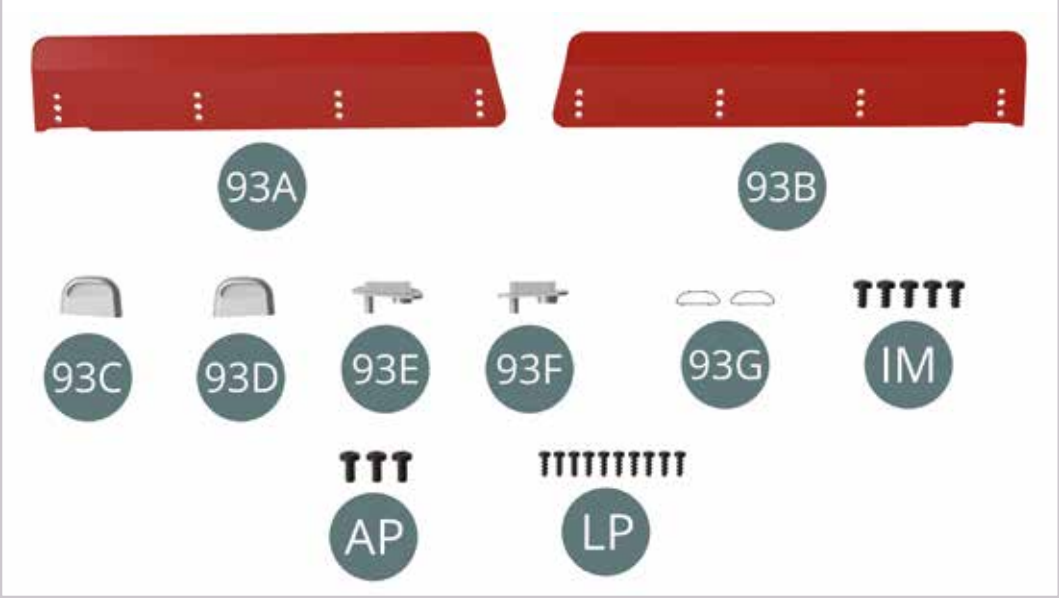


General view



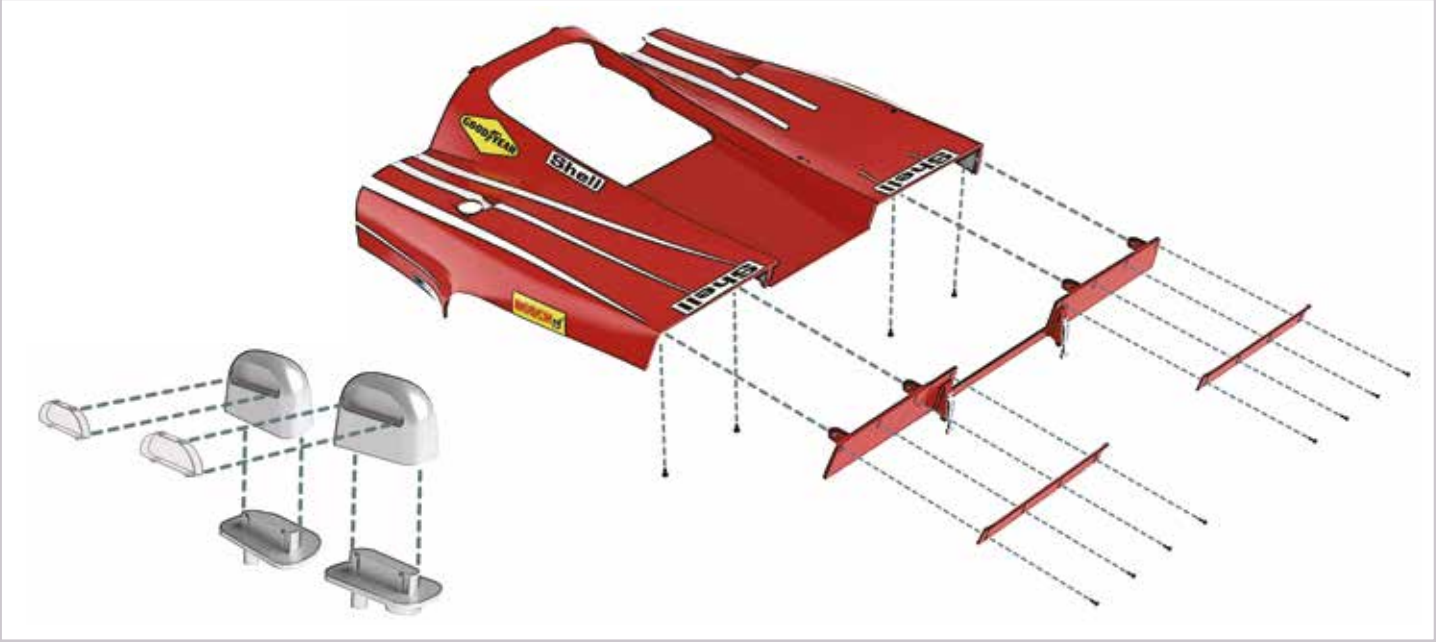
Parts of the issue 93

93A Left spoiler
93B Right spoiler
93C Left lamp housing (single mark inside)
93D Right lamp housing (twin mark inside)
93E Left lamp base (single mark)
93F Right lamp base (twin mark)
93G Lamp glass (x2)
AP M1,7 x4mm (x3)
IM M1,7 x3,5mm (x5)
LP M1,2 x3,5mm (x10)

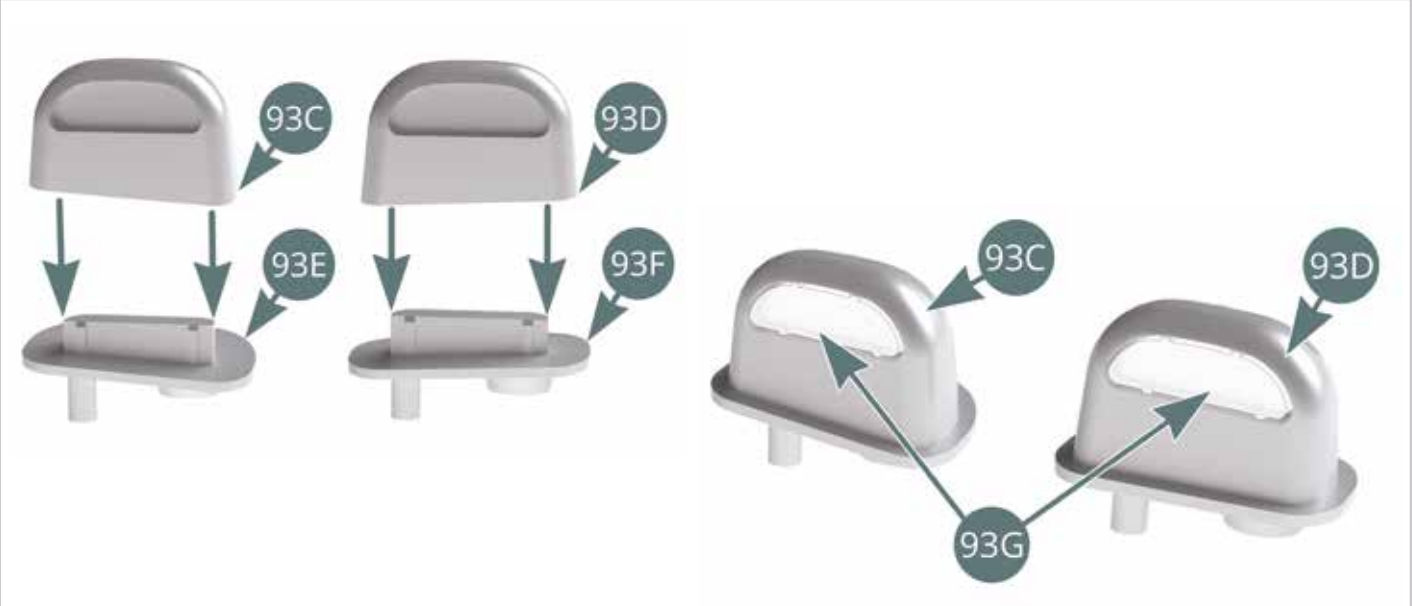


Rear hood assembly

Assembly diagram

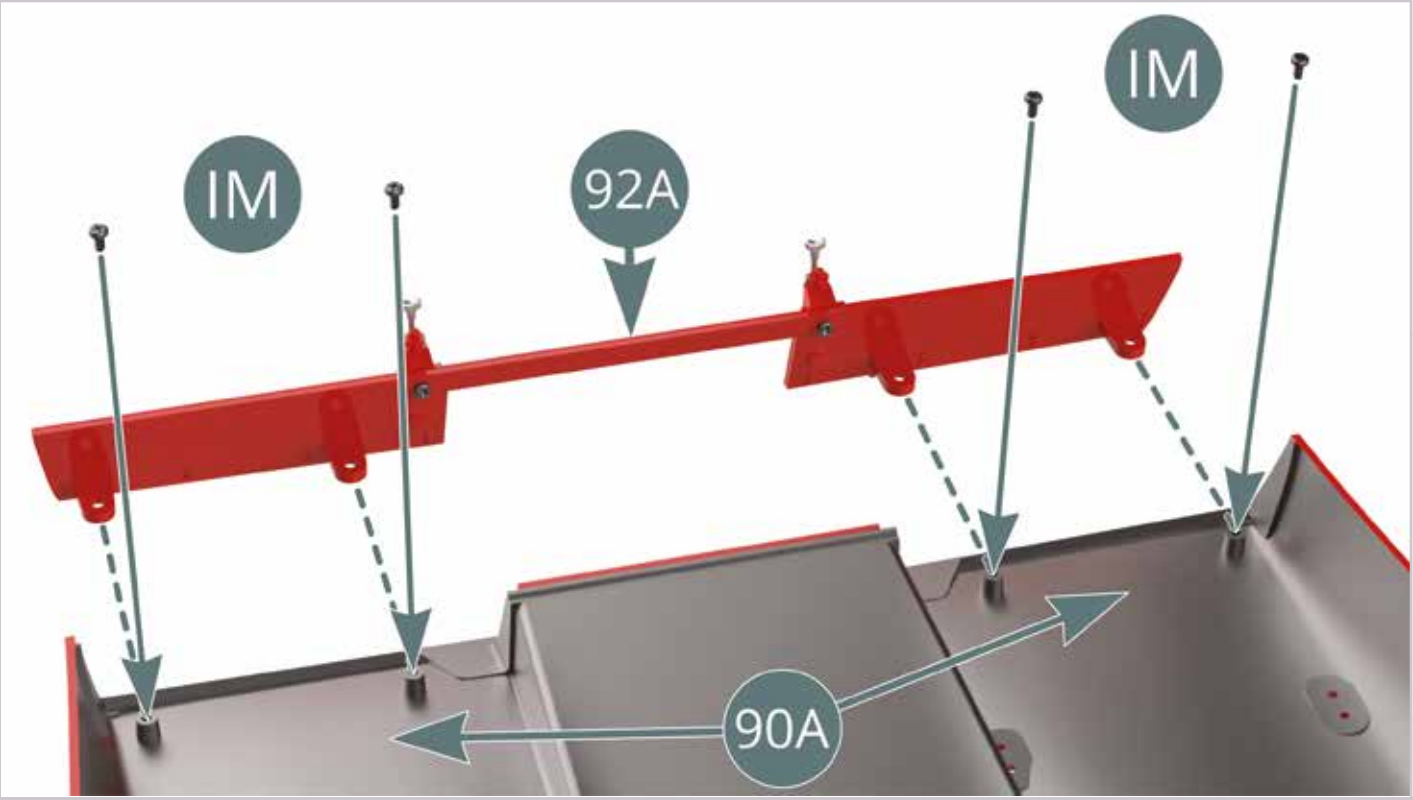


STEP 1



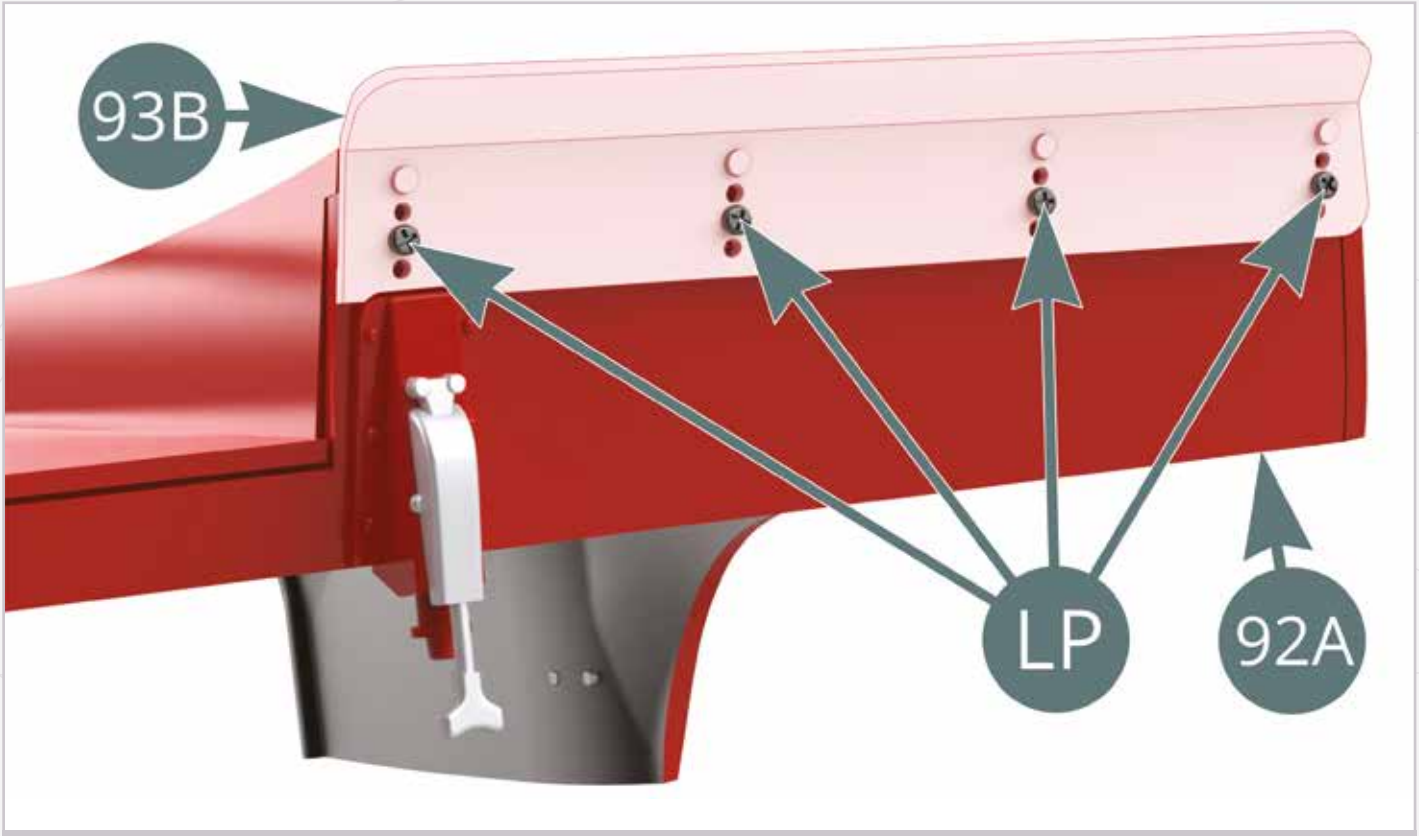
Attach 93C Left and 93D Right lamp housings to 93E Left and 93F Right lamp bases respectively. Attach 93G Lamp glasses to 93C Left and 93D Right lamp housings. Keep assembled Lamps and AP screws for later on use.

STEP 2

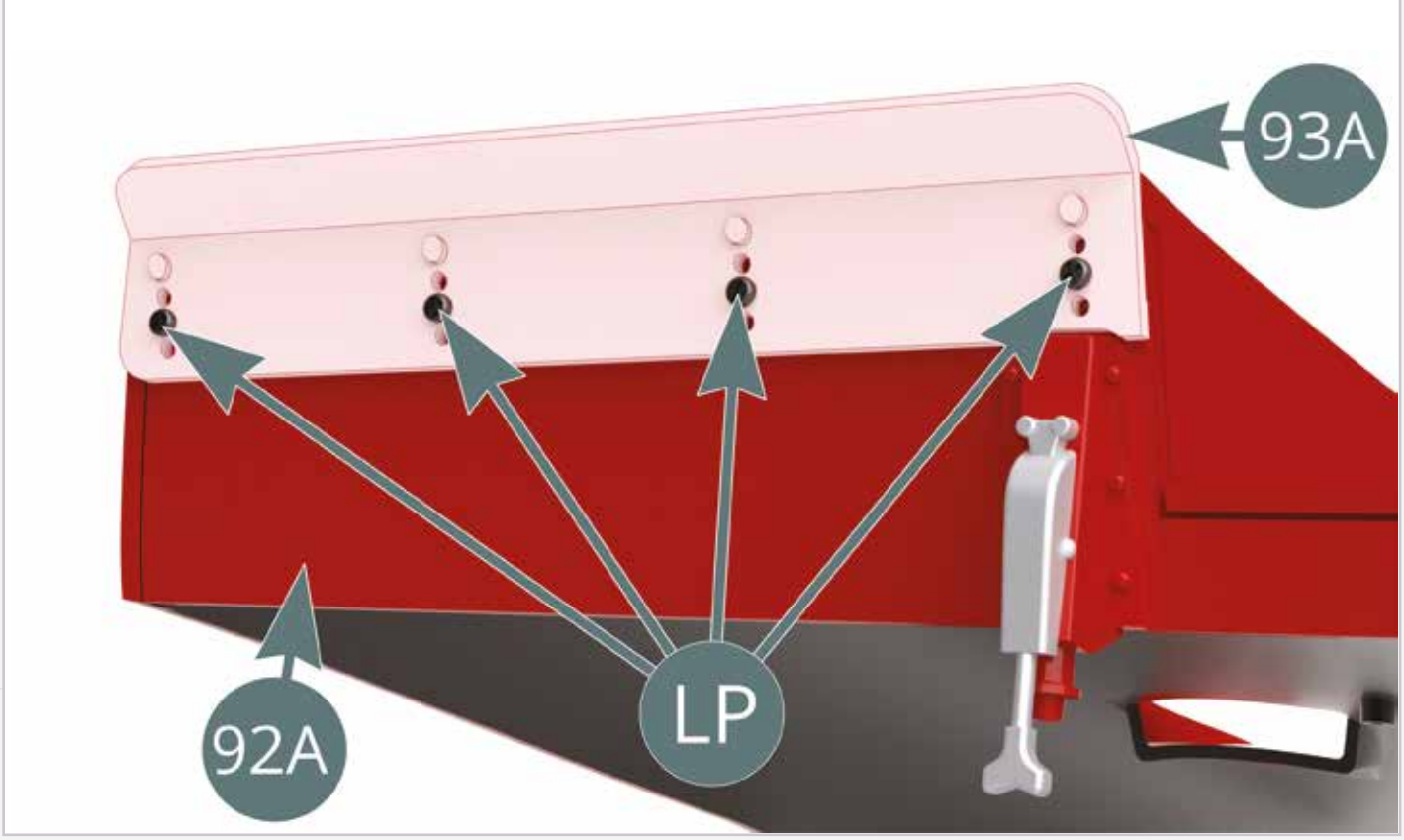


Attach 92A Rear hood panel to 90A Rear hood with four IM screws.

STEP 3



Attach 93B Right and 93A Left spoilers to 92A Rear hood panel and fasten each one with four LP screws (upper and lower illustrations).

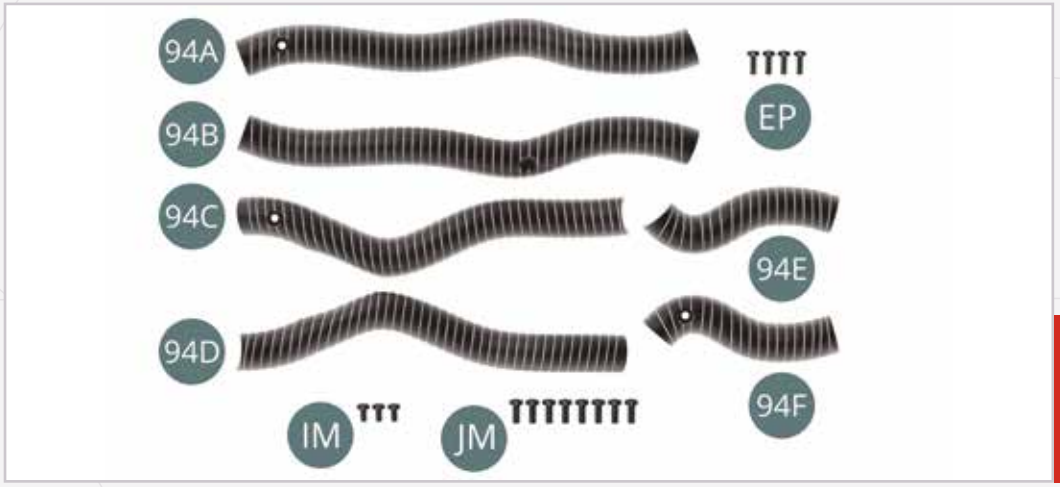


General view



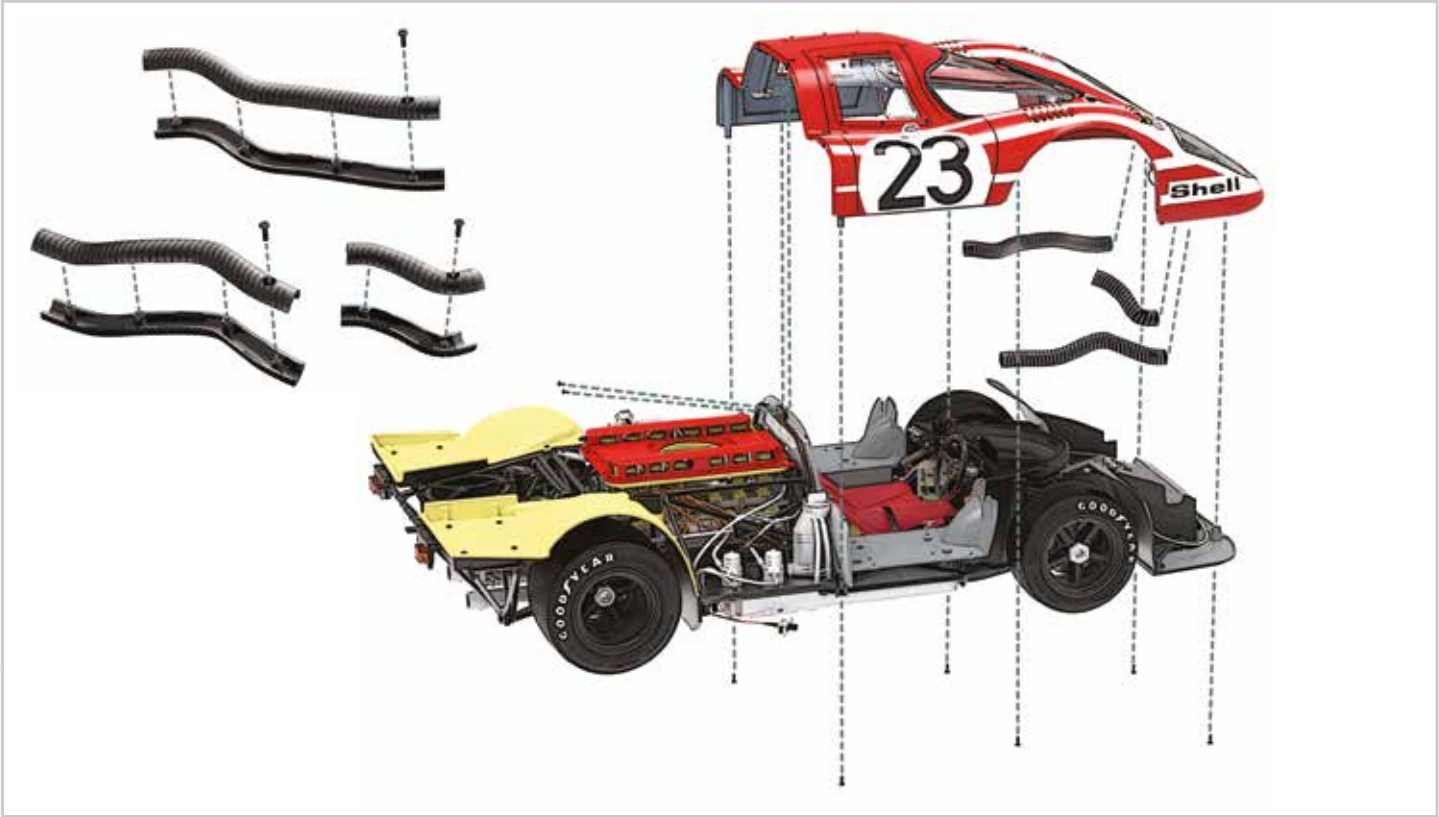
Parts of the issue 94

94A Left half pipe
94B Left half pipe
94C Right half pipe
94D Right half pipe
94E Right half pipe
94F Right half pipe
EP M1,7 x5mm (x4)
IM M1,7 x3,5mm (x3)
JM M2,0 x5mm (x8)

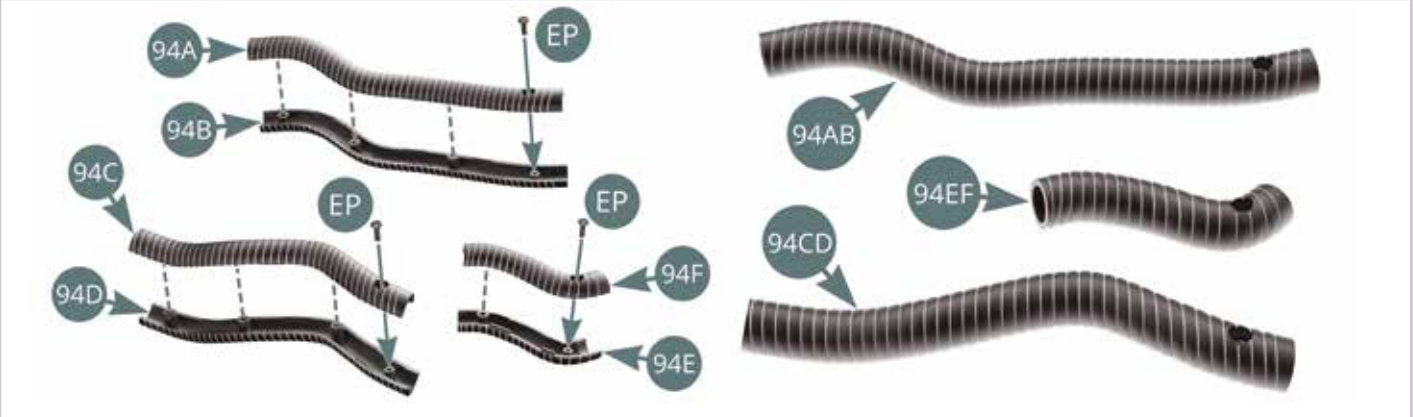


Cockpit ventilation pipes assembly and attachment with front bodywork and chassis

Assembly diagram



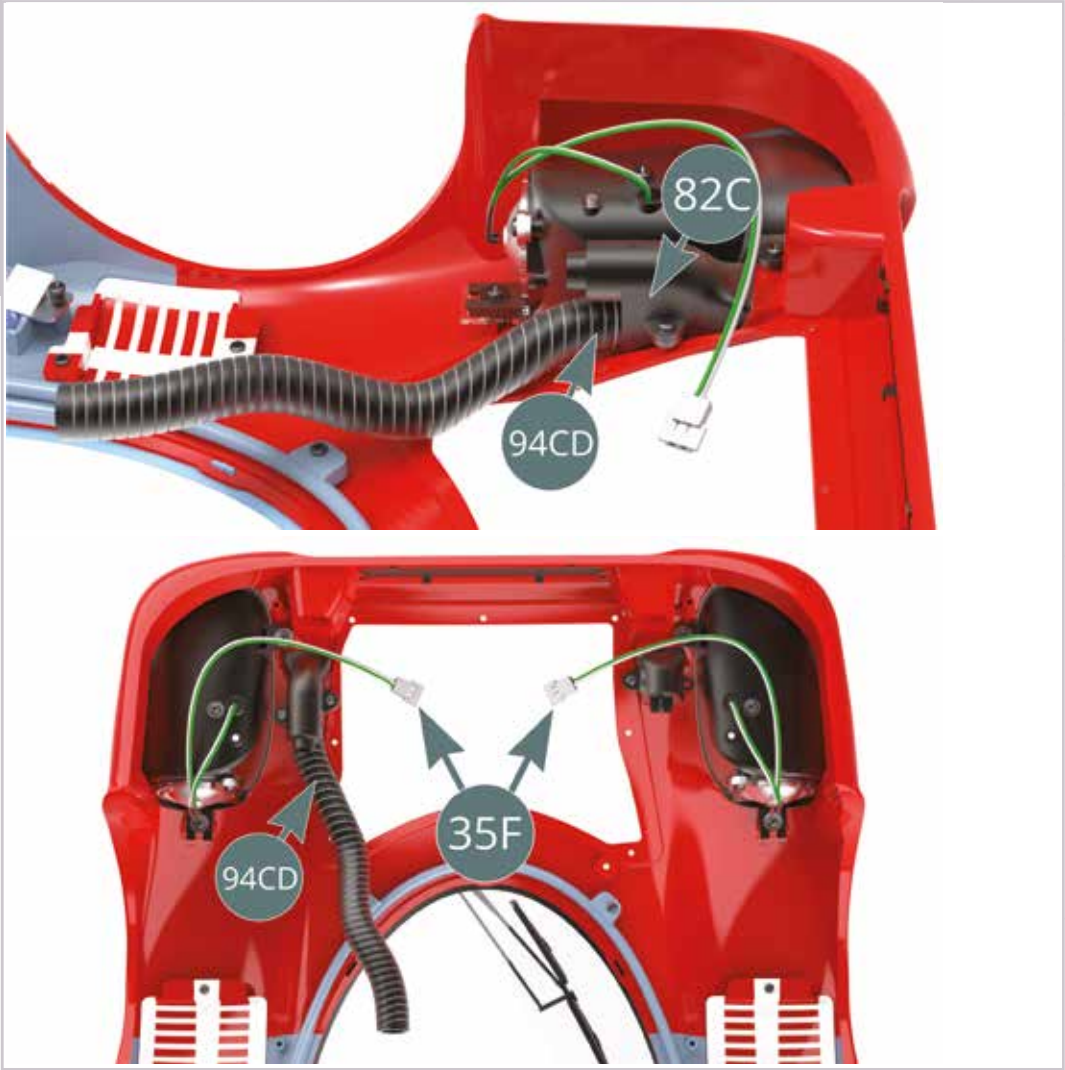
STEP 1



Fit together 94A and 94B Left half pipes and fasten with EP screw, forming 94AB Left pipe (picture above). Fit together 94C and 94D Right half pipes and fasten with EP screw, forming 94CD Right pipe (picture above). Fit together 94E and 94F Right half pipes and fasten with EP screw, forming 94EF Right pipe (picture above).

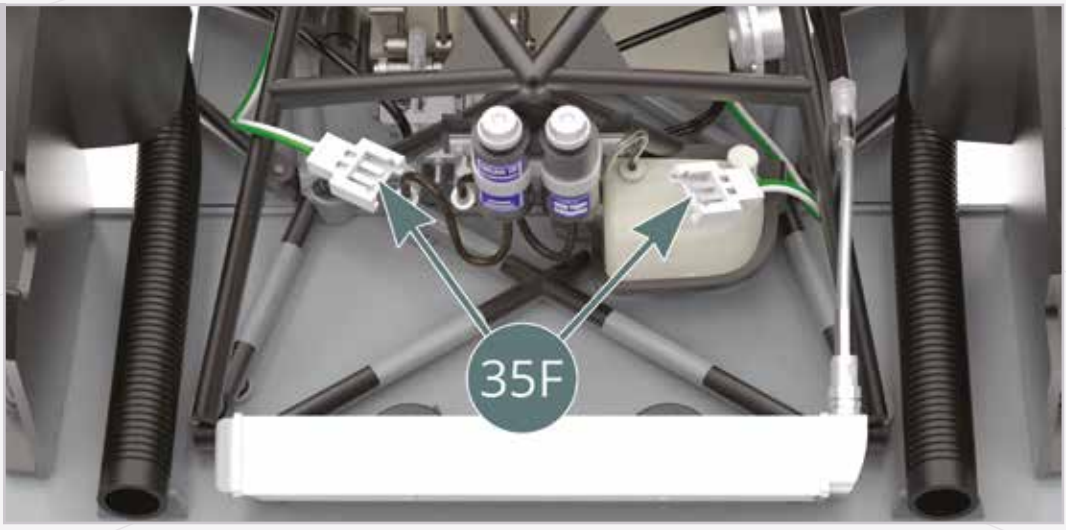
STEP 2

Attach 94CD Right pipe by its screw joint end to 82C Right air scoop nozzle (closest to bodywork).
Move 35F Front lamp cables plugs to the position shown below.



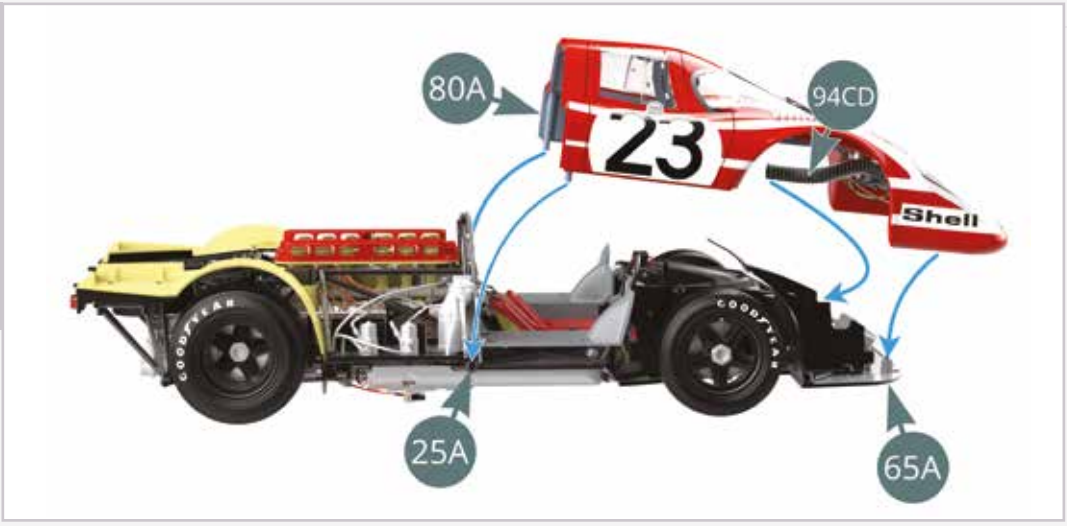
STEP 3

On the Chassis front end, move 35F Front lamp cables plugs to the position shown above.



STEP 4

Attach 80A Bodywork to 25A Lower chassis frame and 65A Front bottom panel, at the same time guiding 94CD.
Right pipe through the framework as shown on next close up image.



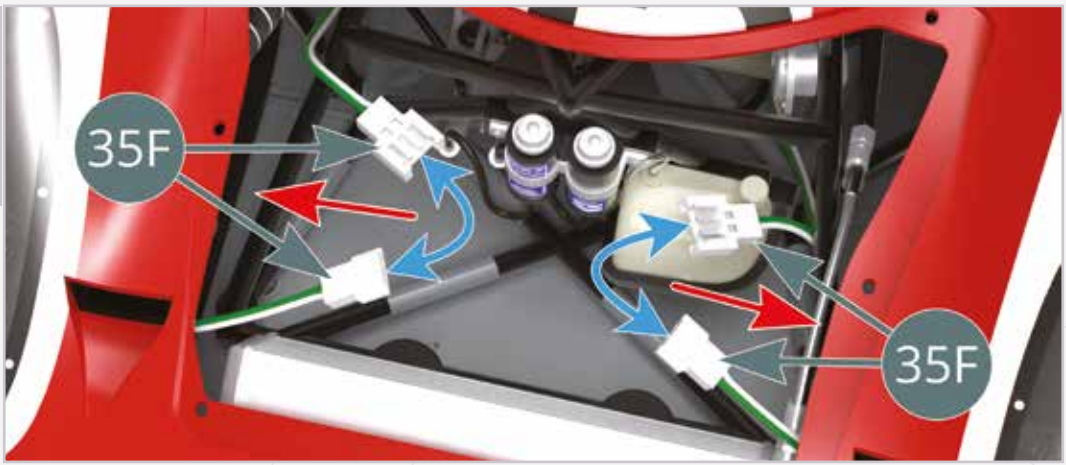
STEP 5

Pass 94CD Right pipe through the framework under the Dashboard.



STEP 6

Join both sides 35F Front lamp cables plugs, and tuck away from the view to sides (red arrows).



STEP 7

Attach 94EF Right pipe by its screw joint end to 82C Right air scoop nozzle.
Pass 94AB Left pipe through the framework, helping with finger tip through the open Left door.



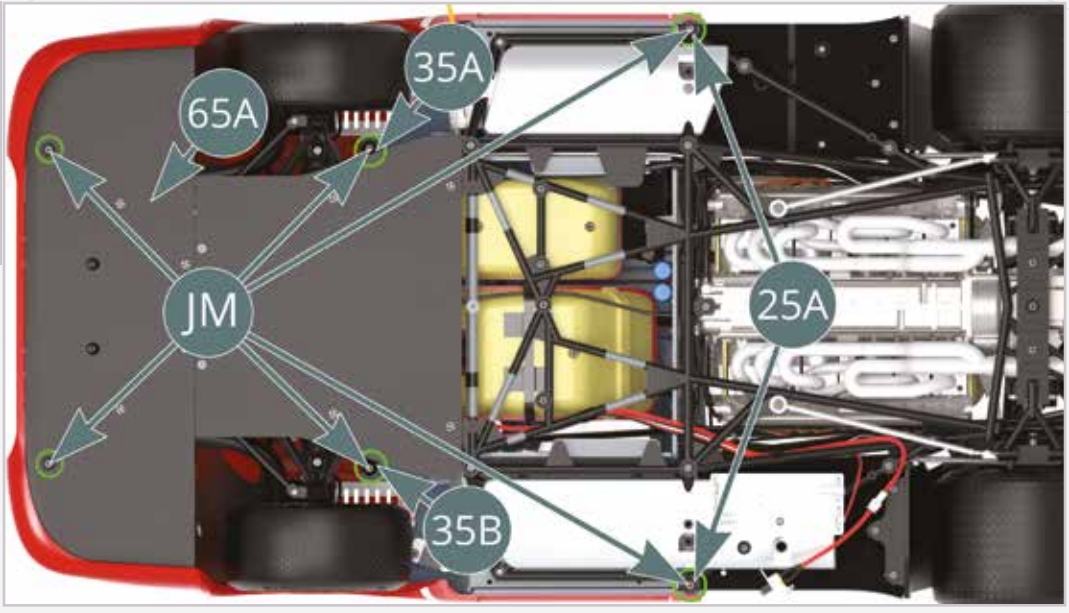


STEP 8

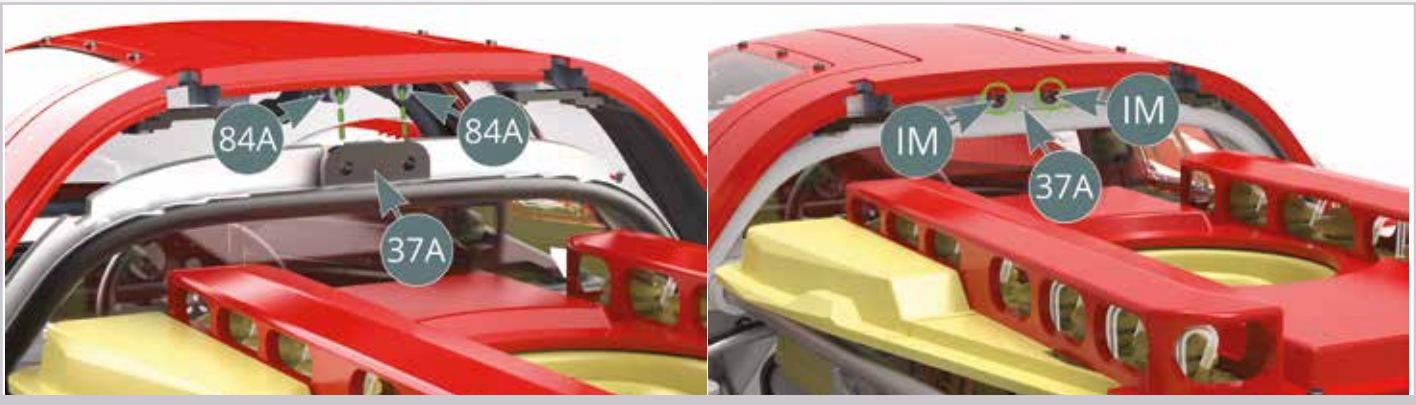
Fit the screw joint end of 94AB Left pipe (helping with tweezers) to 82B Left air scoop cross shape connector.



Fasten the upper Bodywork to 65A Front bottom panel, 25A Lower chassis frame and 35A Left, 35B Right mud guards with six JM screws.

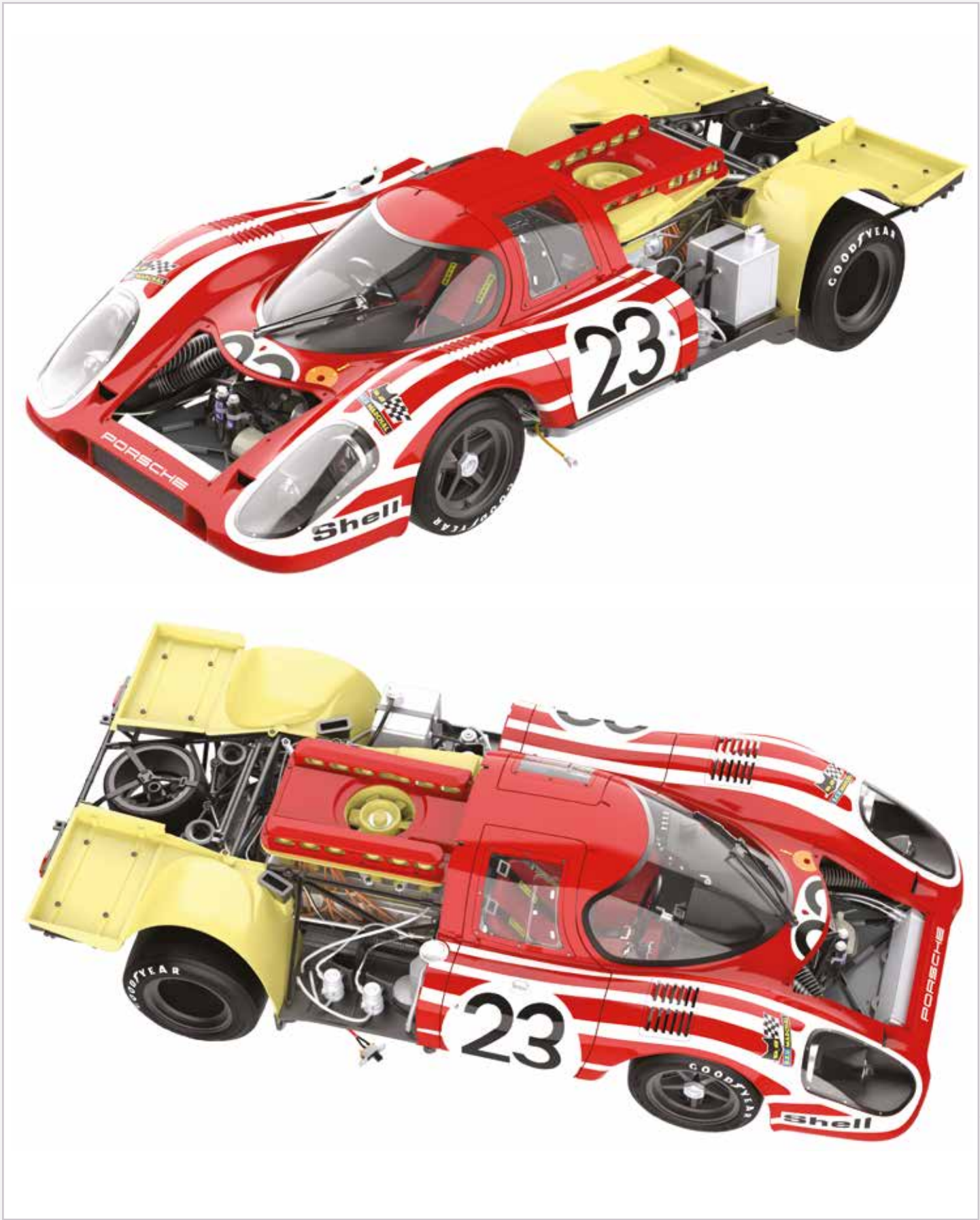


STEP 9



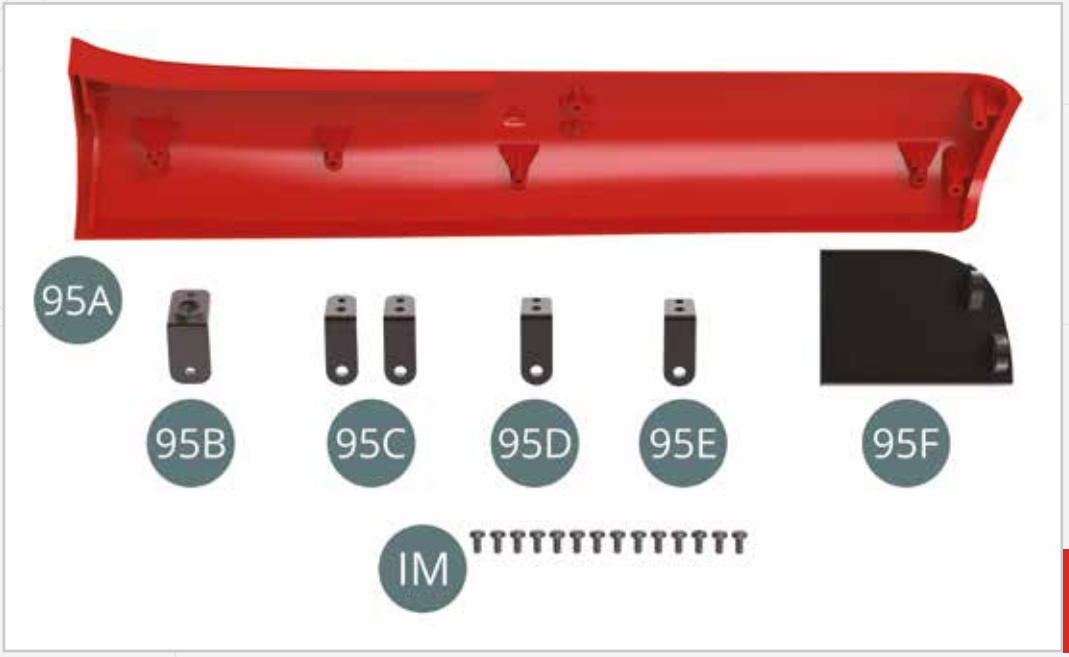
Fasten 37A Cockpit partition frame tab with 84A Top roll cage pipe ends with two IM screws (upper illustrations).

General view



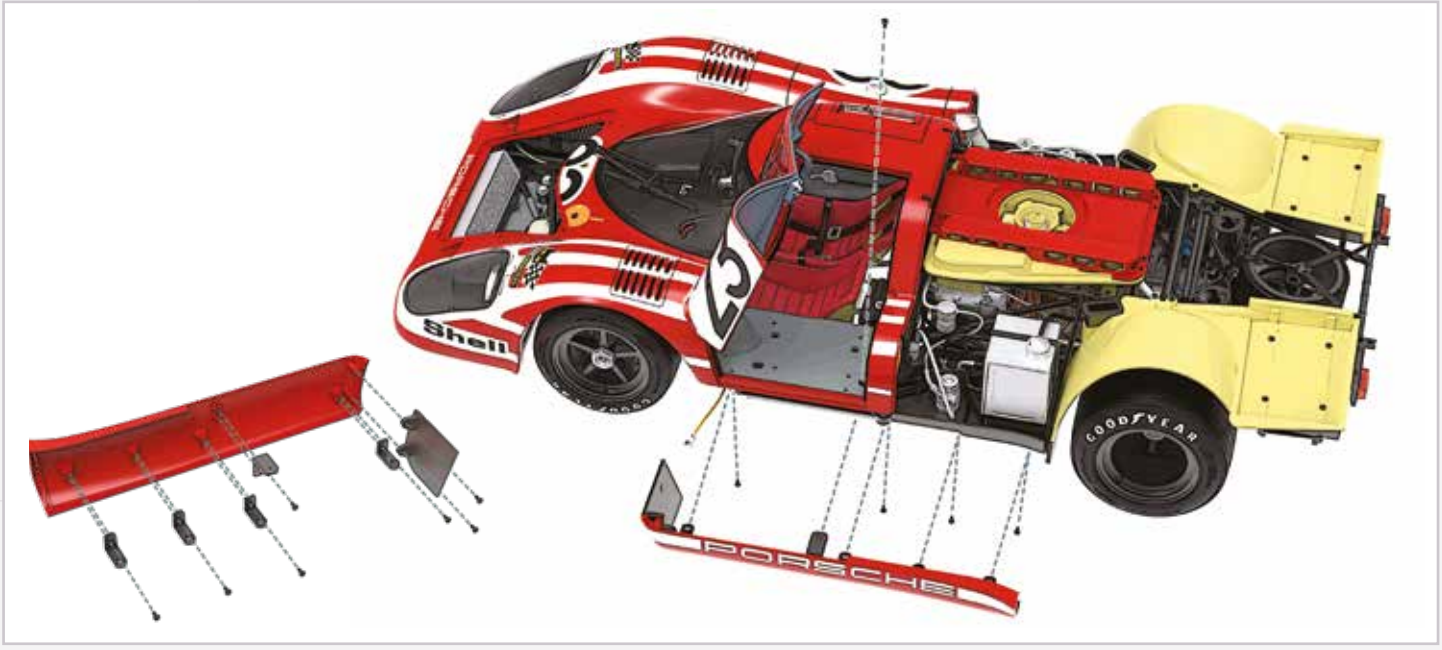
Parts of the issue 95

95A Left side fairing
95B Upper bracket
95C Bracket #1 (x2)
95D Bracket #2
95E Bracket #3
95F Front plate
IM M1,7 x3,5mm (x14)

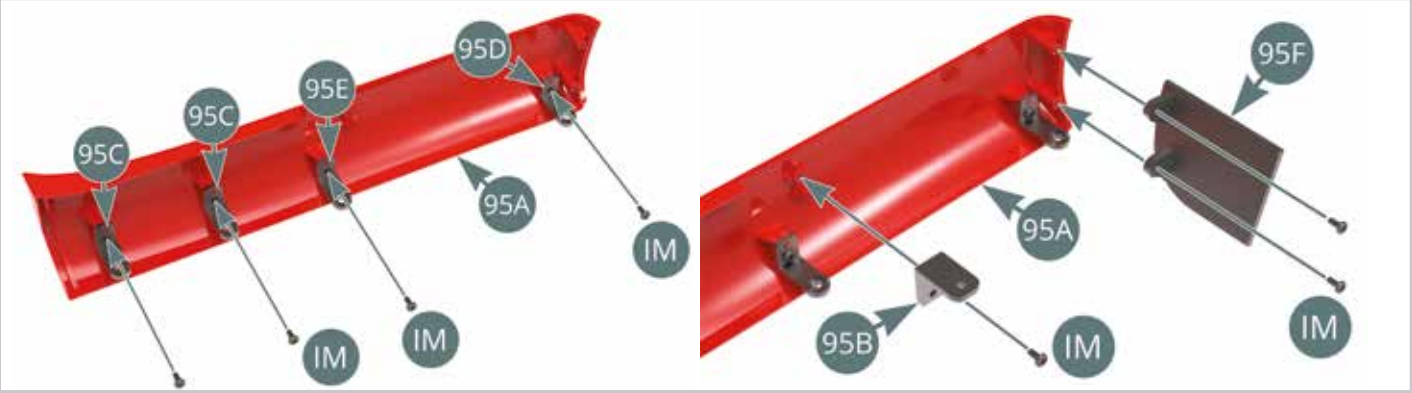


Left side fairing assembly and attachment

Assembly diagram



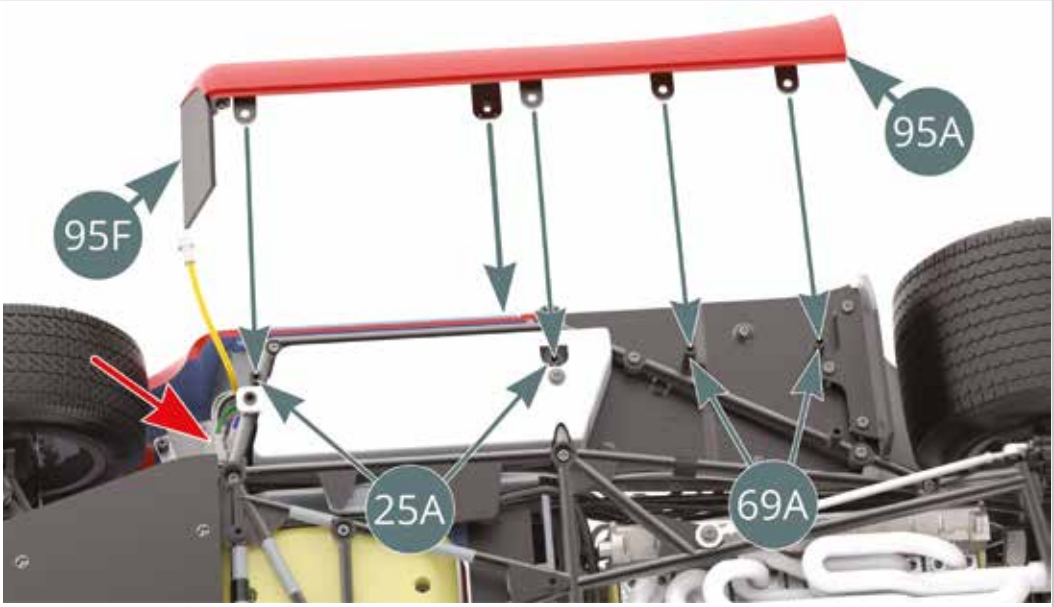
STEP 1

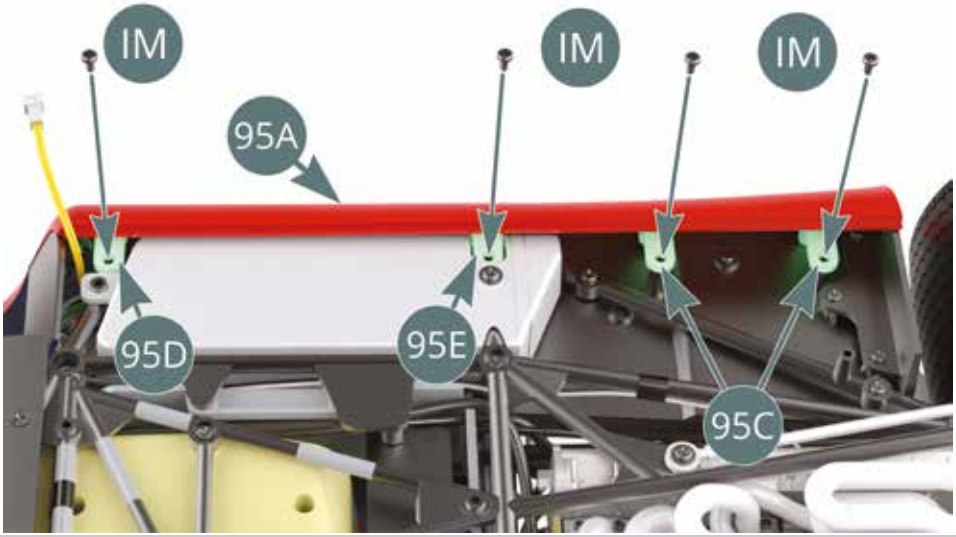


Attach 95D Bracket #2, 95E Bracket #3, two 95C Brackets #1 to 95A Left side fairing and fasten with four IM screws. Attach 95B Upper bracket and 95F Front plate to 95A Left side fairing and fasten with three IM screws.

STEP 2

Attach 95A Left side fairing to 25A Lower chassis frame and 69A Left sponson platform attachment points and fasten with four IM screws (upper and lower illustrations). Pay attention to hide cable plugs (red arrow) under 95F Front plate. Leave out only yellow cable.





STEP 3



Open left door and fasten 95A Left side fairing by its 95B Upper bracket to 31B Frame, through the hole in 68A Left cockpit panel with IM screw. Remove as no longer needed CM screw from 25A Lower chassis frame.

General view



Parts of the issue 96

96A Right side fairing

96B Upper bracket

96C Bracket #1 (x2)

96D Bracket #2

96E Bracket #3

96F Front plate

IM M1,7 x3,5mm (x14)

SM M1,7 x3,5mm (x3)

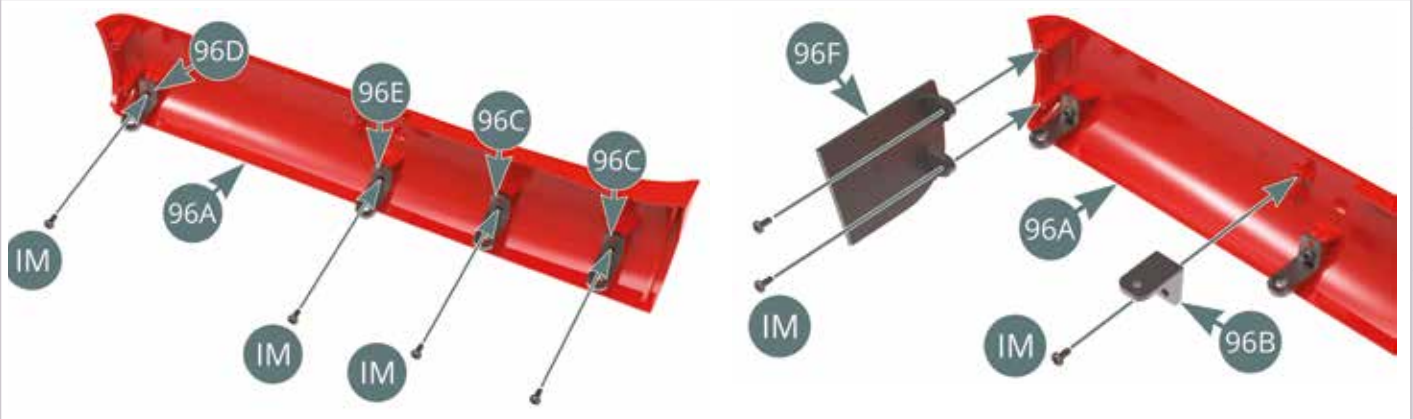


Right side fairing assembly and attachment

Assembly diagram



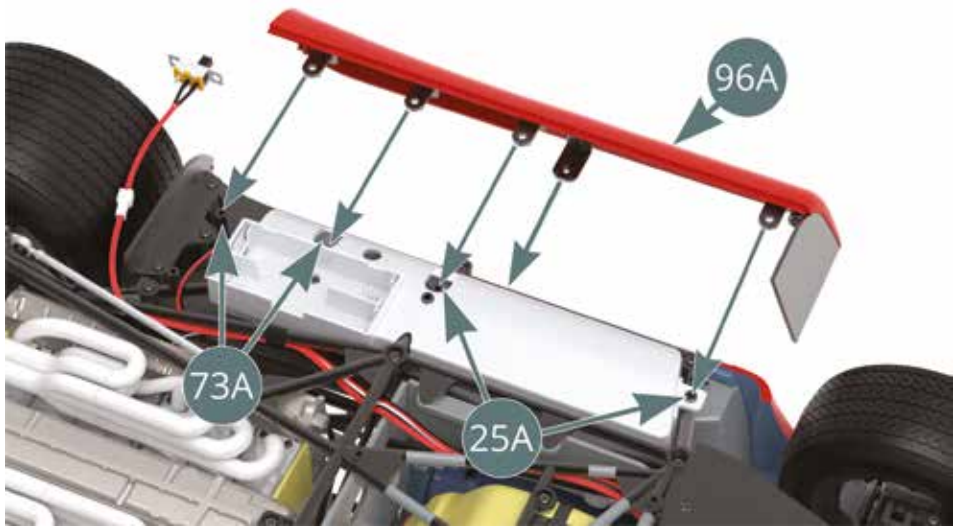
STEP 1

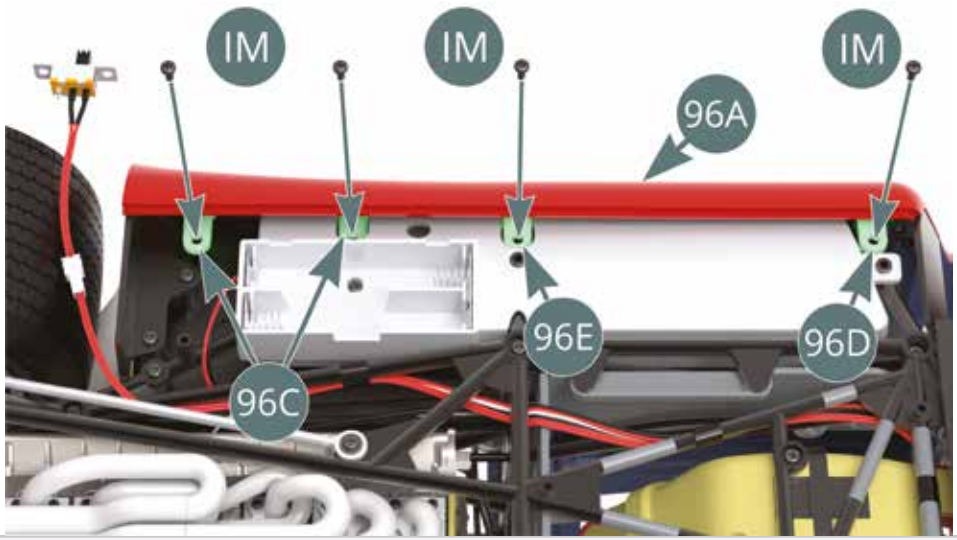


Attach 96D Bracket #2, 96E Bracket #3, two 96C Brackets #1 to 96A Right side fairing and fasten with four IM screws. Attach 96B Upper bracket and 96F Front plate to 96A Right side fairing and fasten with three IM screws.

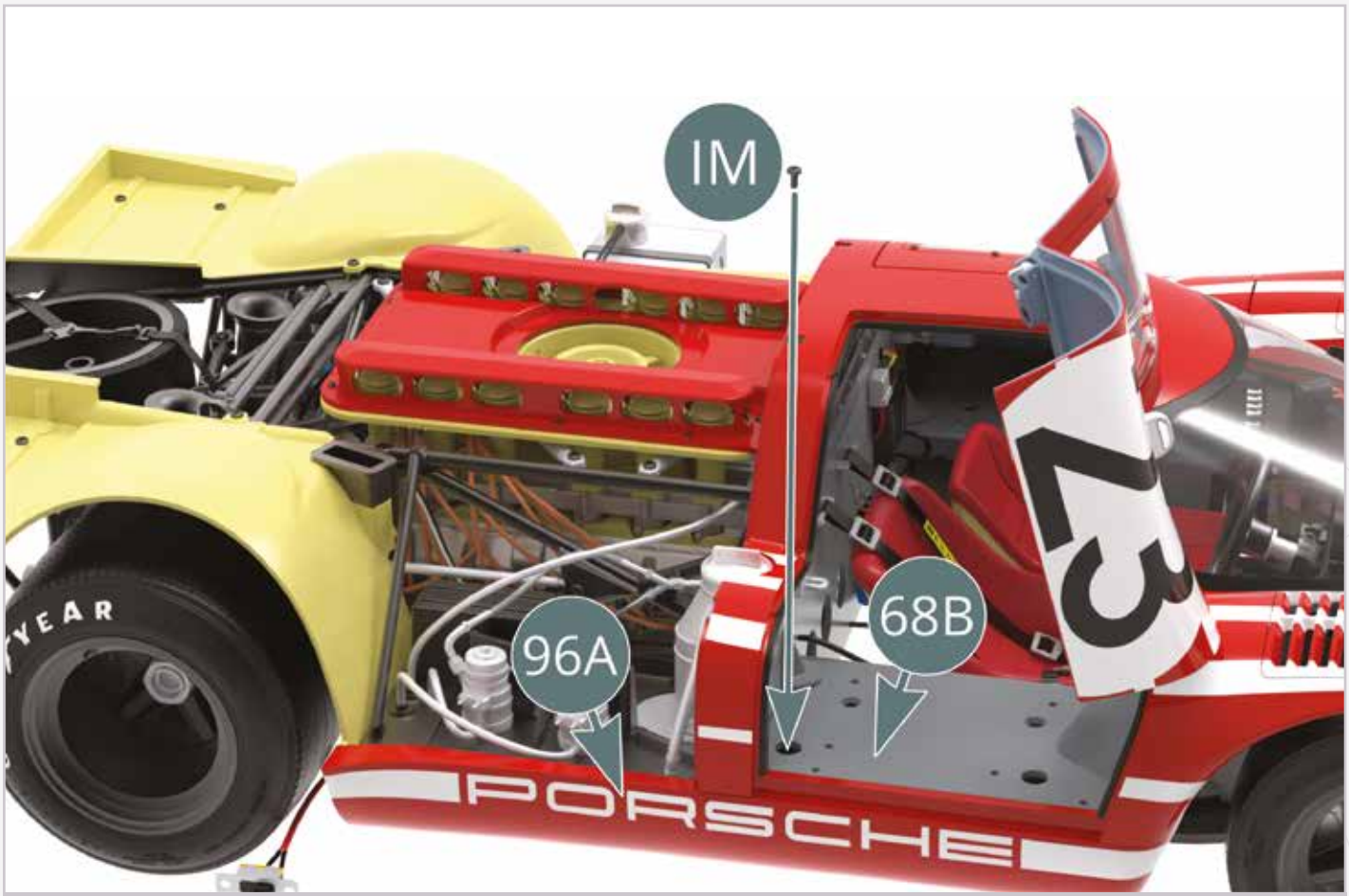
STEP 2

Attach 96A Right side fairing to 25A Lower chassis frame and 73A Right sponson platform attachment points and fasten with four IM screws (upper and lower illustrations).





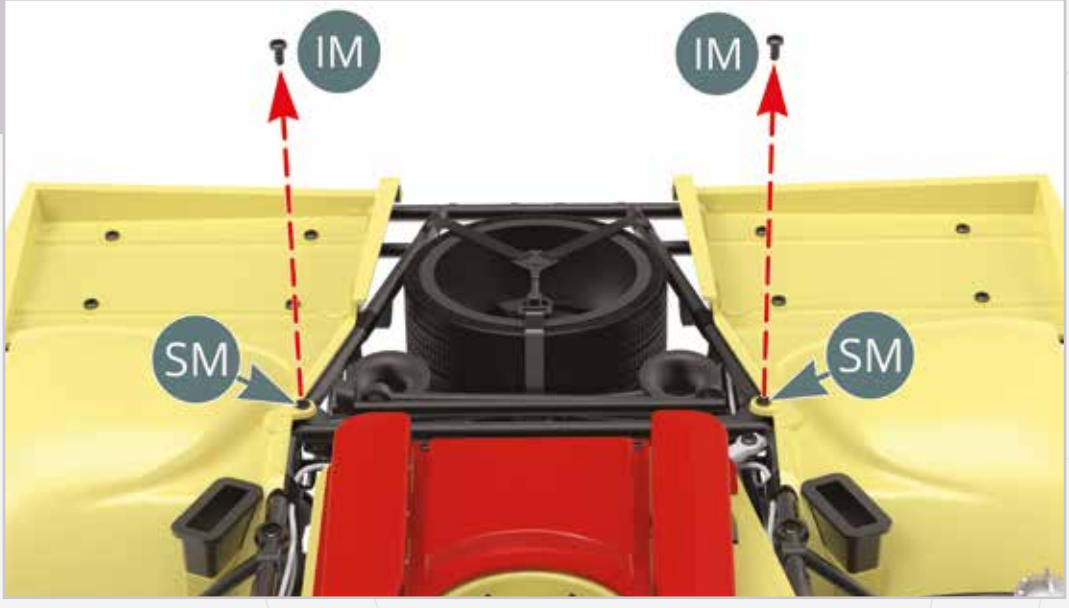
STEP 3



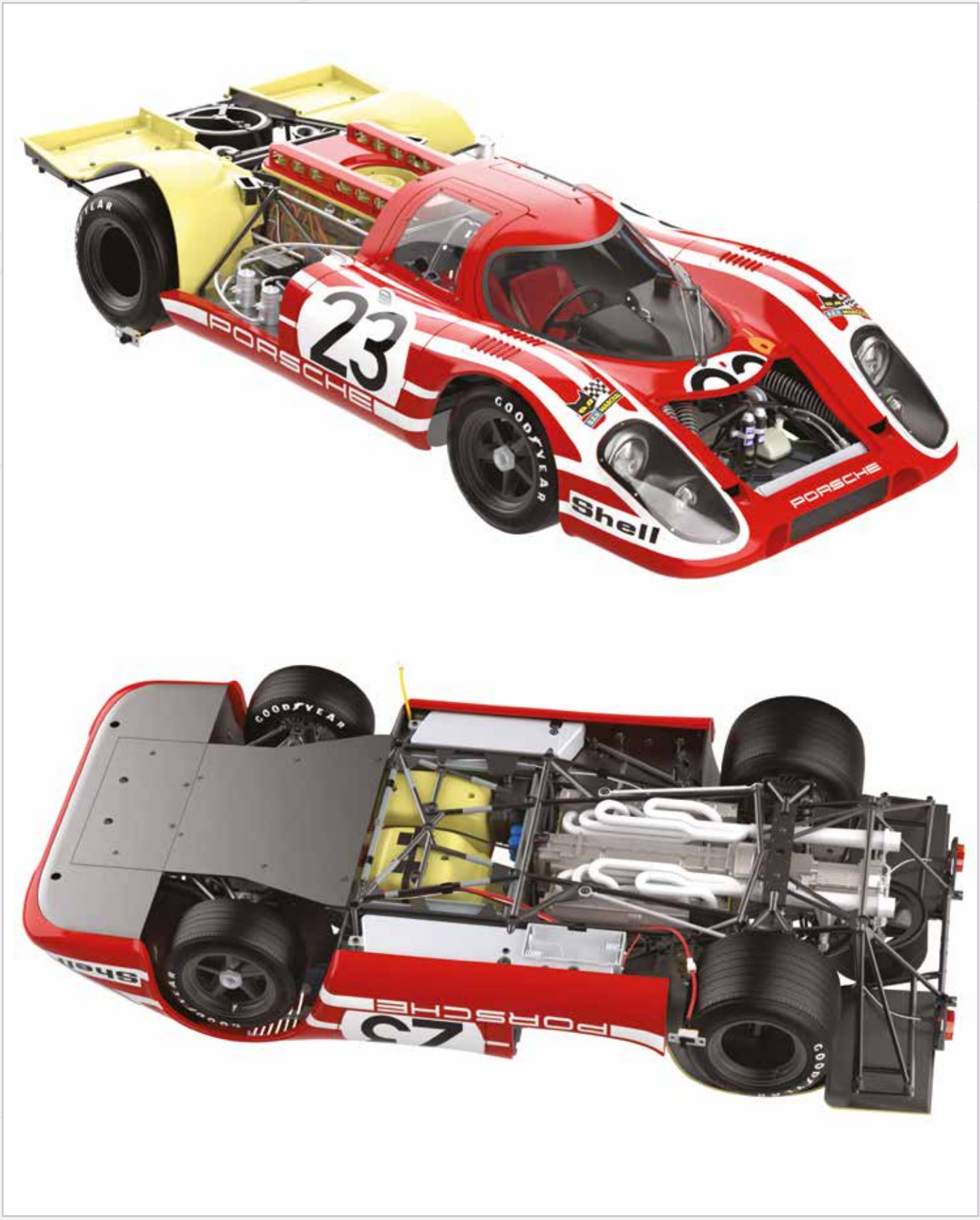
Open right door and fasten 96A Right side fairing by its 96B Upper bracket to 34B Frame, through the hole in 68B Right cockpit panel with IM screw.

STEP 4

Replace two IM screws with two newly supplied SM screws.



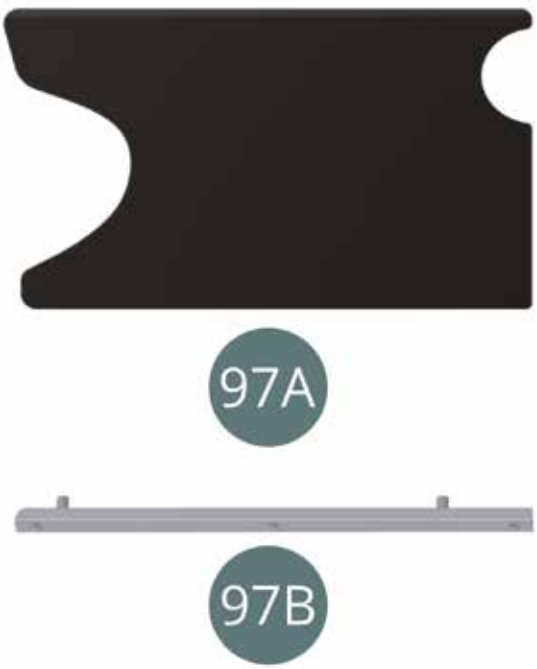
General view



Parts of the issue 97

97A Left deco panel

97B Left trim plank



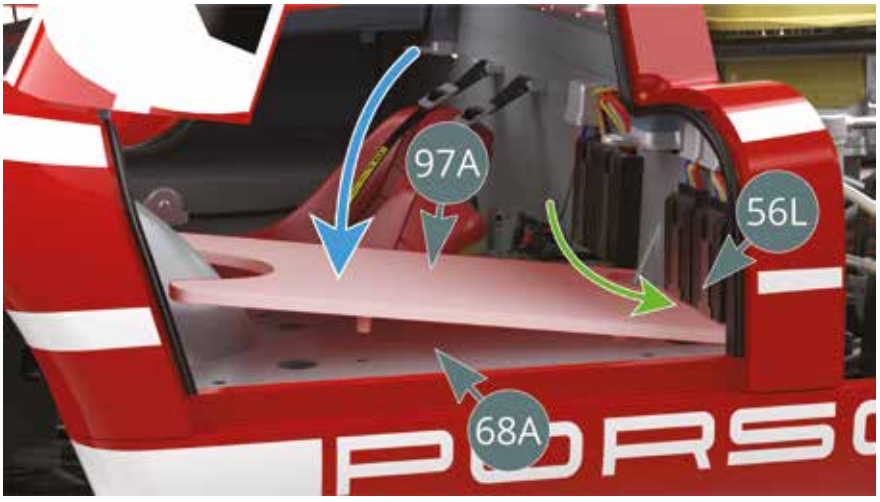
Cockpit left deco panel and trim plank attachment

Assembly diagram



STEP 1

Open left door and attach 97A Left deco panel, tucking it under 56L Spark boxes (green arrow), and then to 68A Left cockpit panel (blue arrow). Attach 97B Left trim plank along 97A Left deco panel edge to 68A Left cockpit panel.





STEP 2

97B Left trim plank and 97A Left deco panel are attached. Close left door.



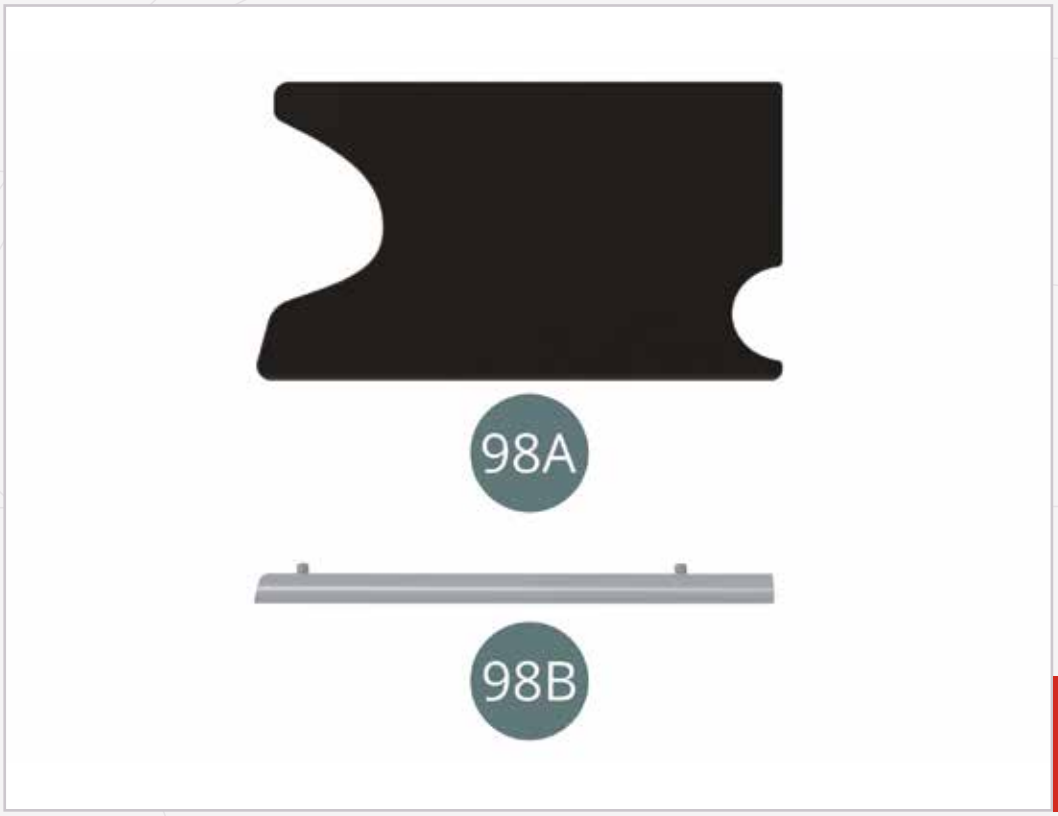
General view



Parts of the issue 98

98A Right deco panel

98B Right trim plank



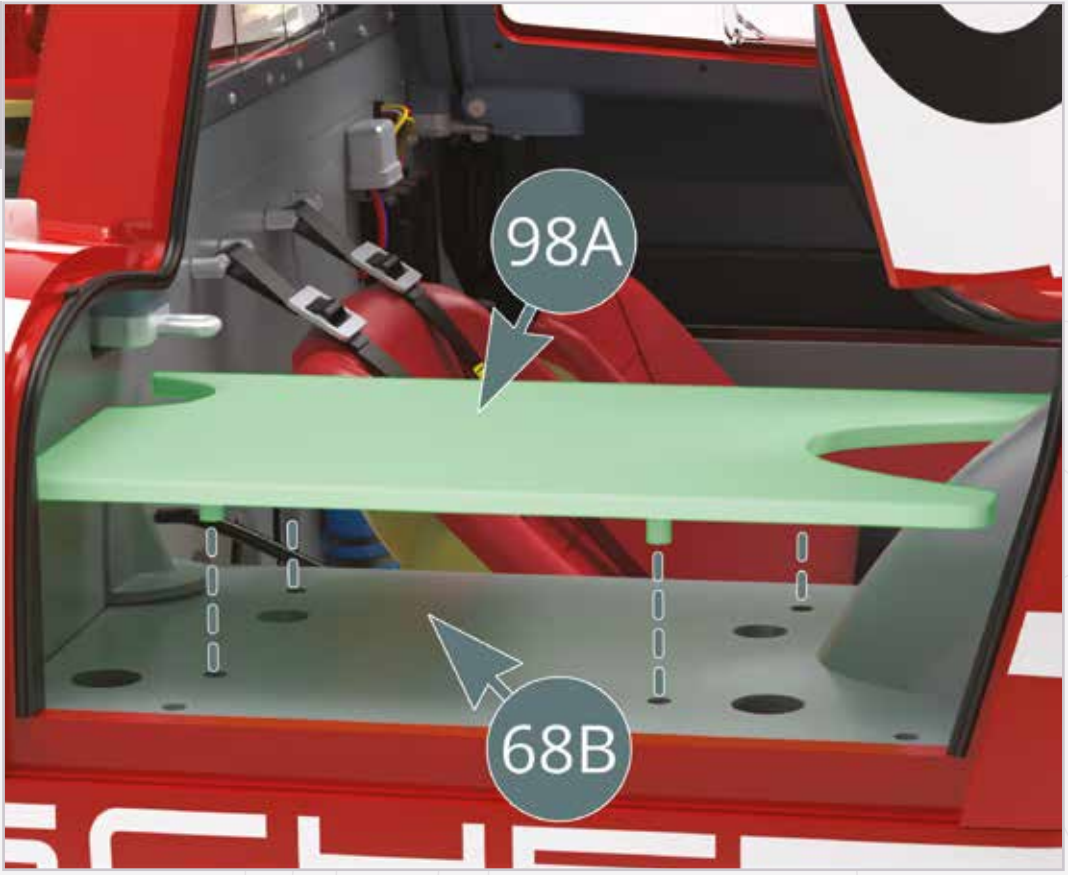
Cockpit right deco panel and trim plank attachment

Assembly diagram



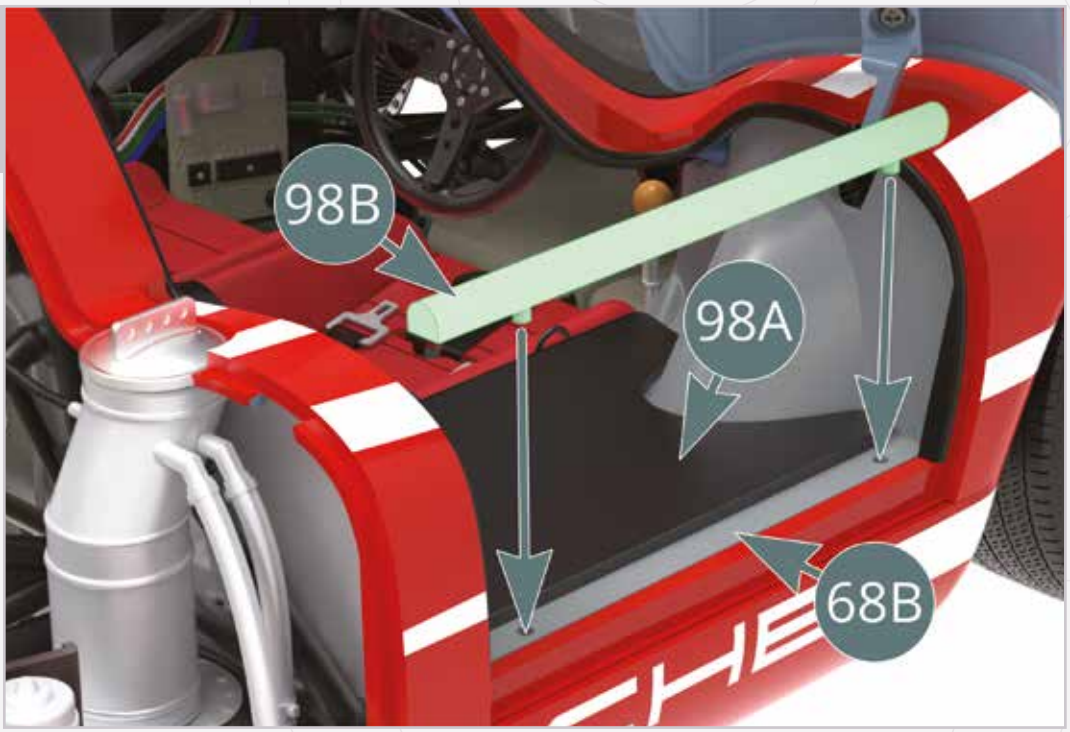
STEP 1

Open right door and attach 98A Right deco panel on its four pins to 68B Right cockpit panel.



STEP 2

Attach 98B Right trim plank along 98A Right deco panel edge to 68B Right cockpit panel.



STEP 3

98B Right trim plank and 98A Right deco panel are attached. Close right door.



GENERAL VIEW





Parts of the issue 99

99A Bottom panel

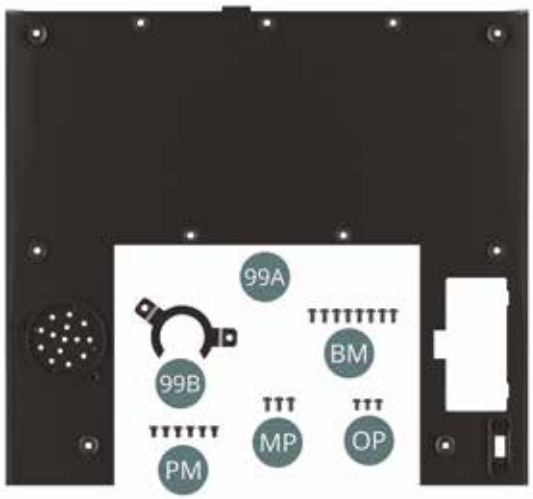
99B Clamp

BM M2,0 x4mm (x8)

MP M2,0 x4mm (x3)

OP M1,7 x3mm (x3)

PM M2,0 x4mm (x6)

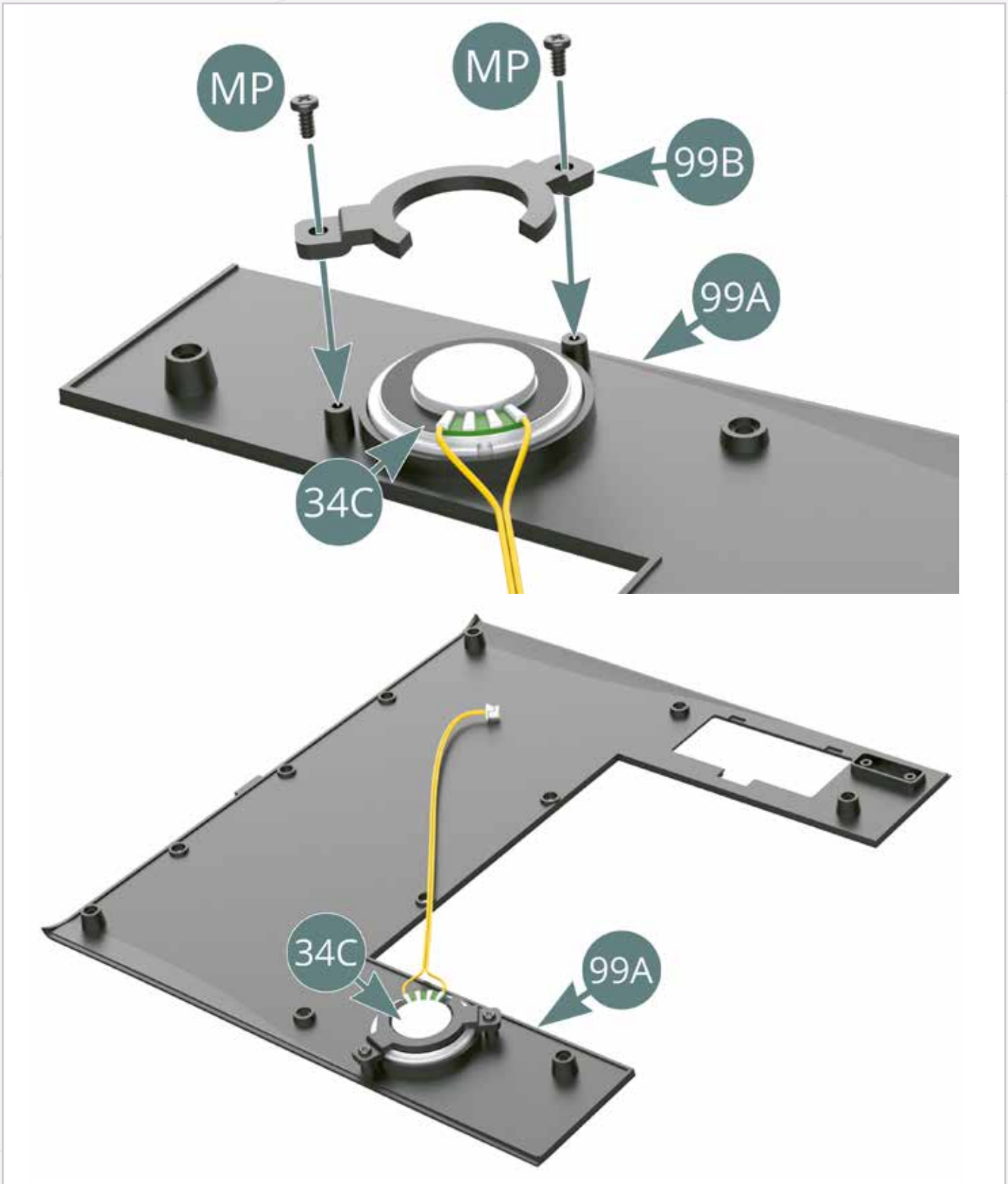


Switch, speaker and bottom plate attachment

Assembly diagram



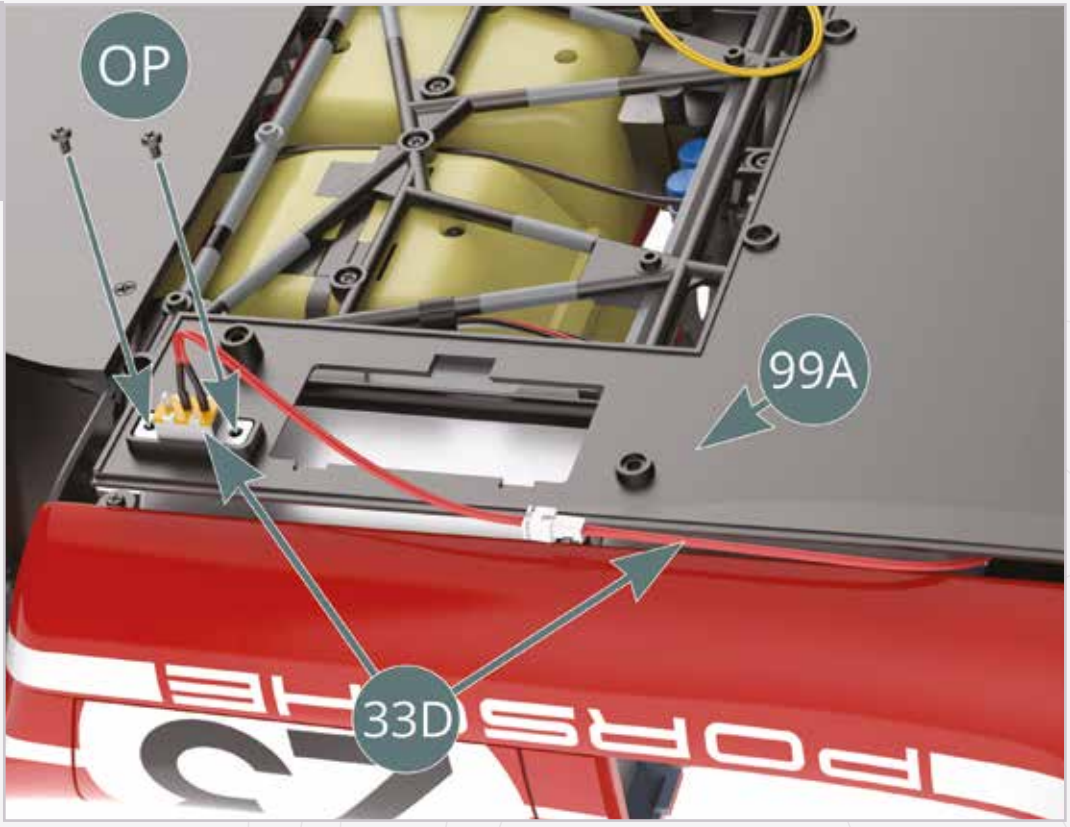
STEP 1



Place 34C Speaker into the round nest on 99A Bottom panel and secure it with 99B Clamp and two MP screws (upper and lower illustrations).

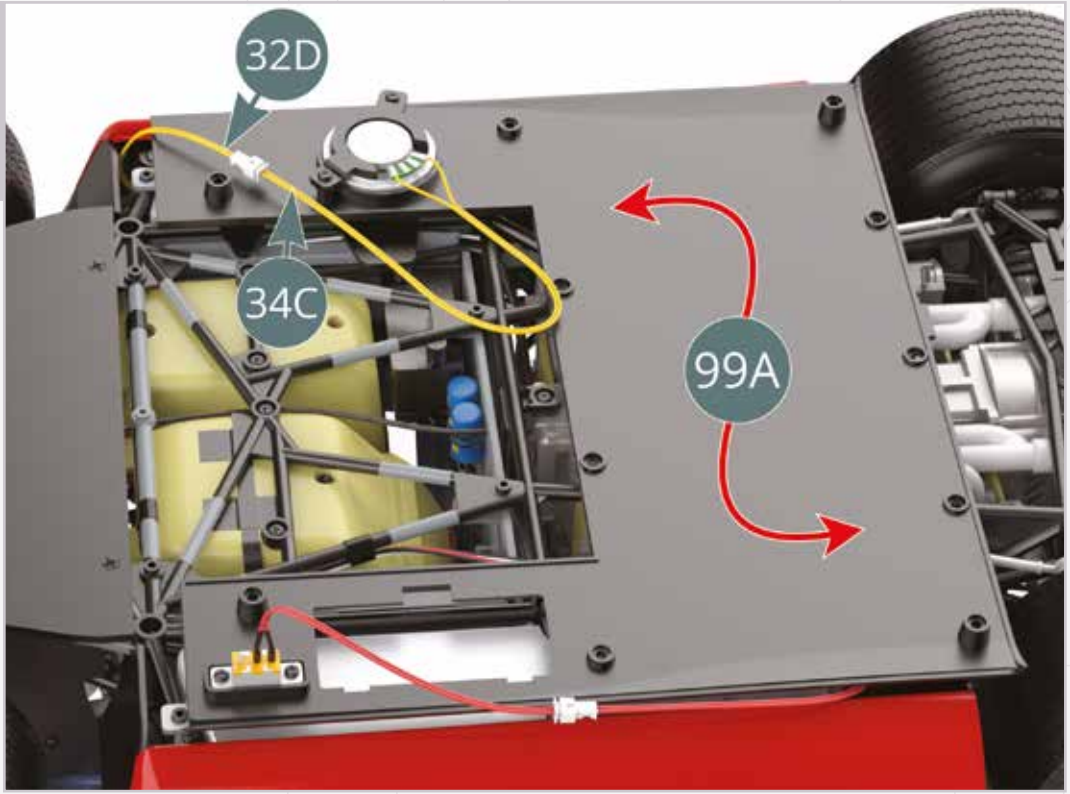
STEP 2

Place 99A Bottom panel on the upturned car and attach 33D Switch, securing it with two OP screws.



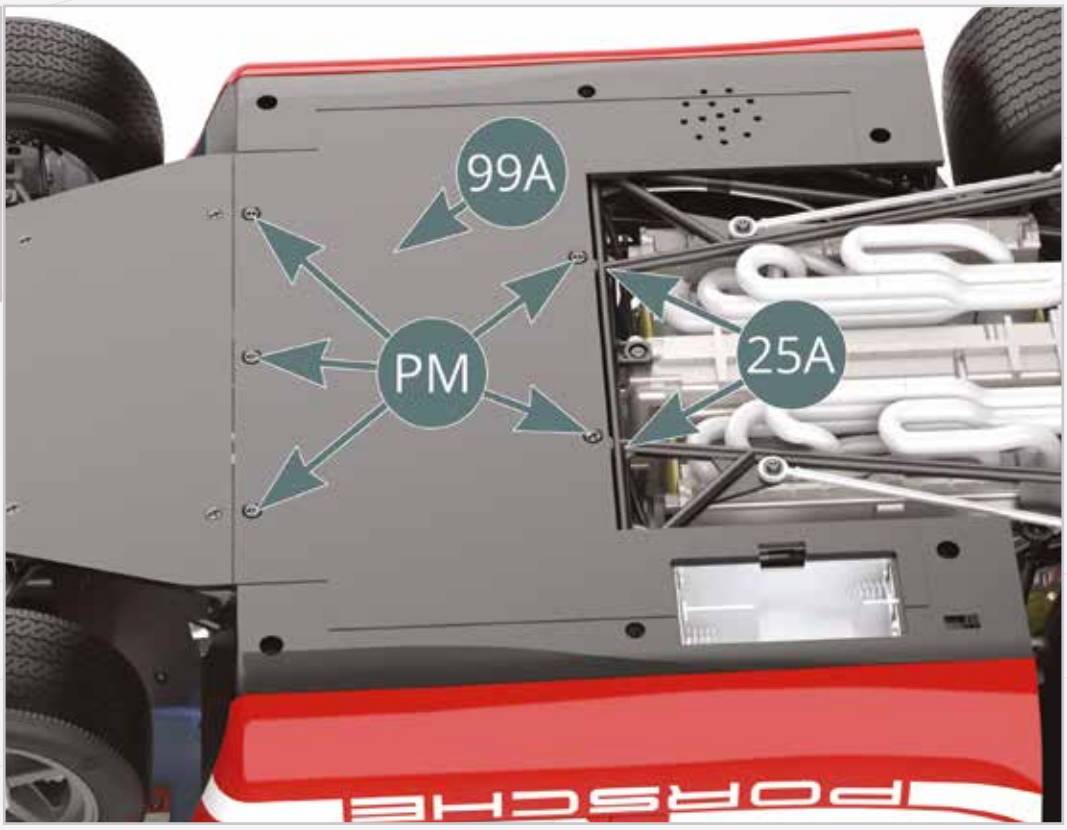
STEP 3

Plug together 34C Speaker yellow cable and 32D Circuit board yellow cable. Upturn 99A Bottom panel.



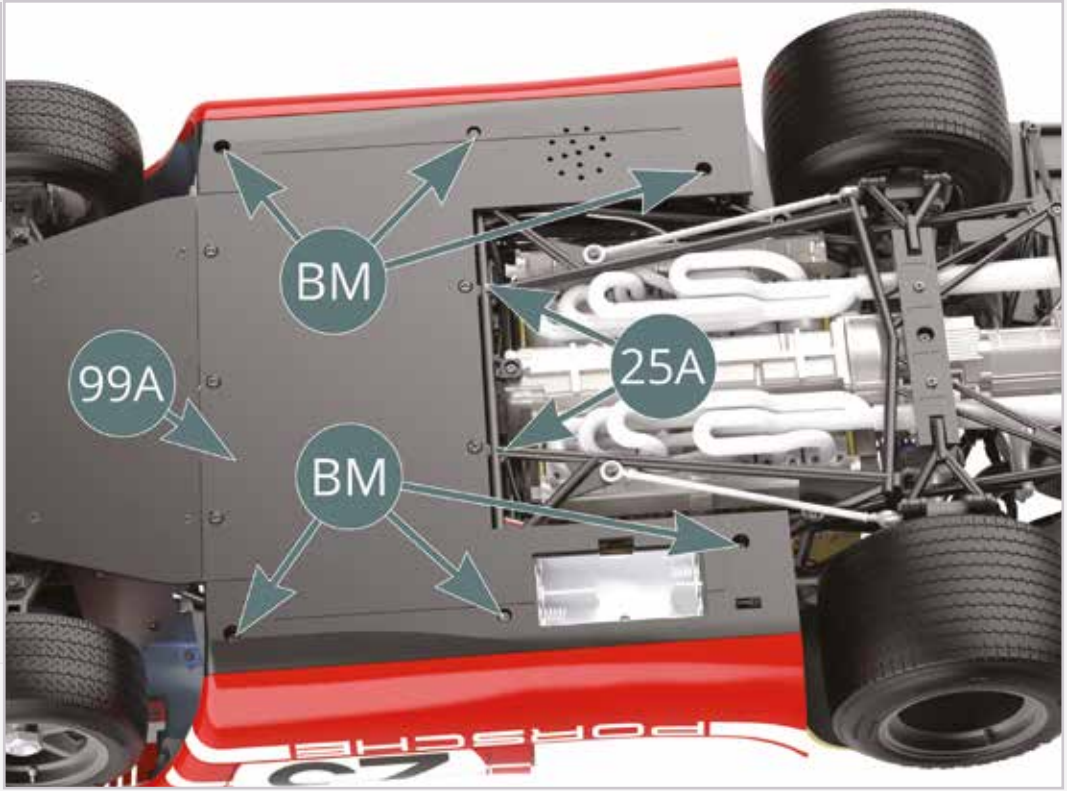
STEP 4

Hide previously connected cables from view under 99A Bottom panel. Align 99A Bottom panel on car bottom and fix with five PM screws to 25A Chassis lower frame.



STEP 5

Fix left and right sides of 99A Bottom panel to 25A Chassis lower frame with six BM screws.



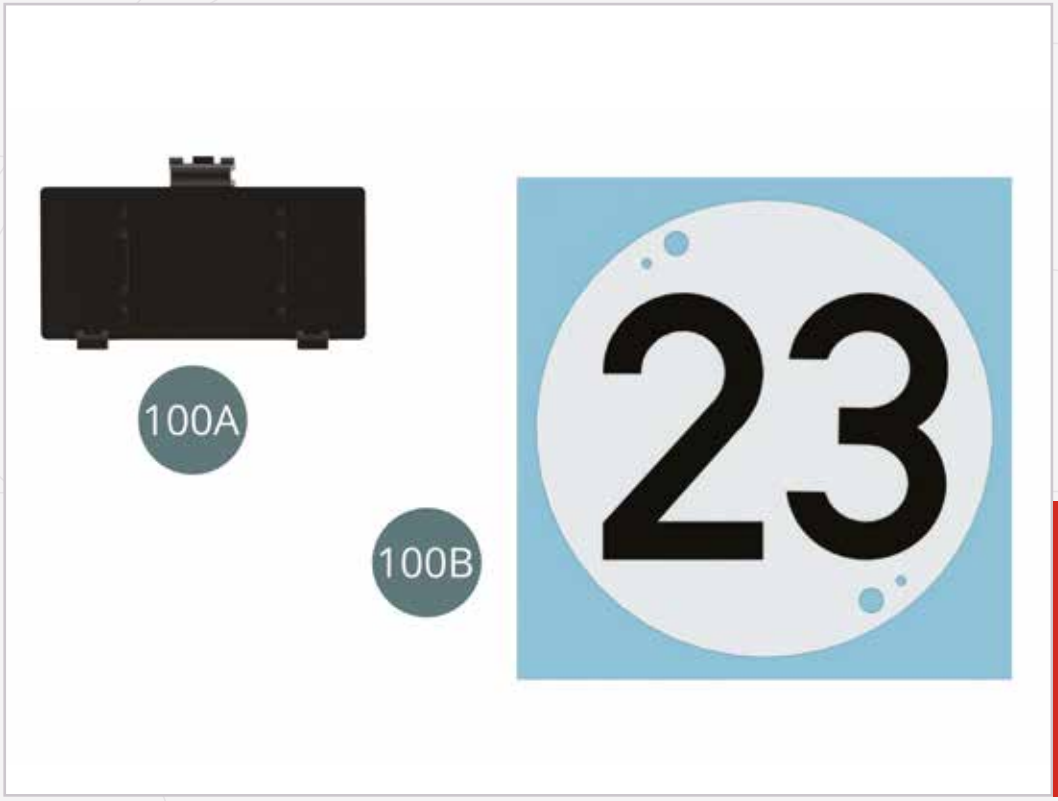
General view



Parts of the issue 100

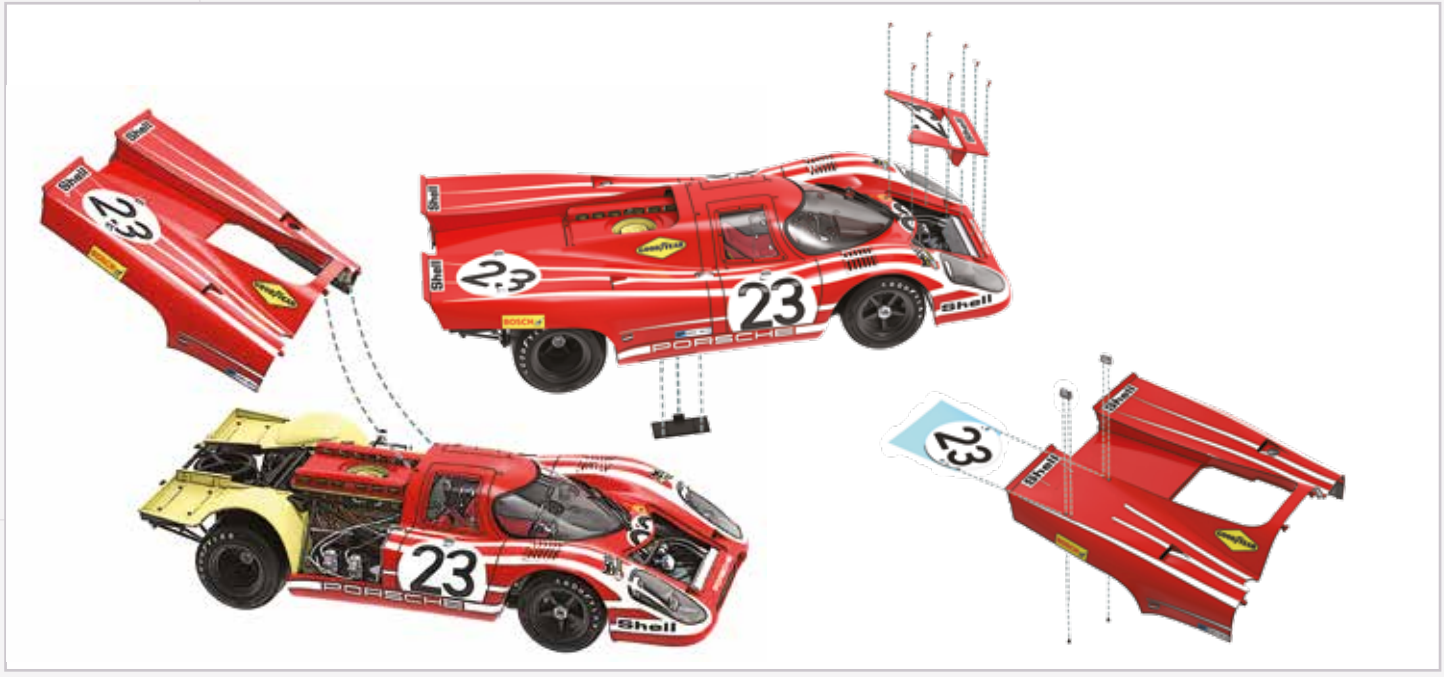
100A Battery cover

100B Top number decal (x2)



Car number decal application, rear hood and bonnet assembly and attachment, battery compartment loading and functions test

Assembly diagram



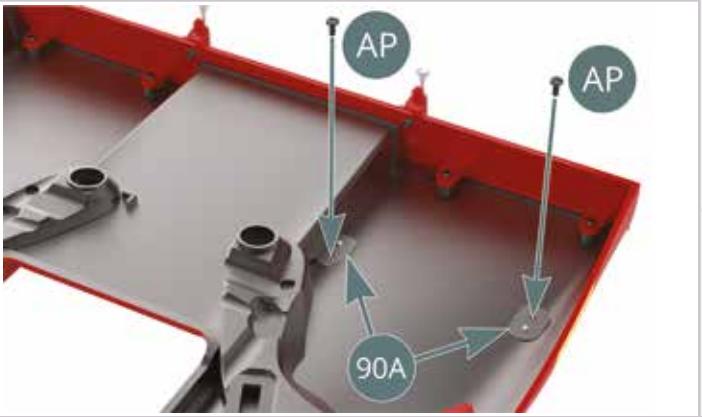
STEP 1

Put 100B Top number decal for 30 seconds in water to soften it. Position 100B Top number decal on right rear area of 90A Rear hood and carefully slide away the backing paper from under it. Adjust 100D Top number decal while it is wet, aligning decal holes with those on 90A Rear hood, and soak excess water from it using a cotton pad.



STEP 2

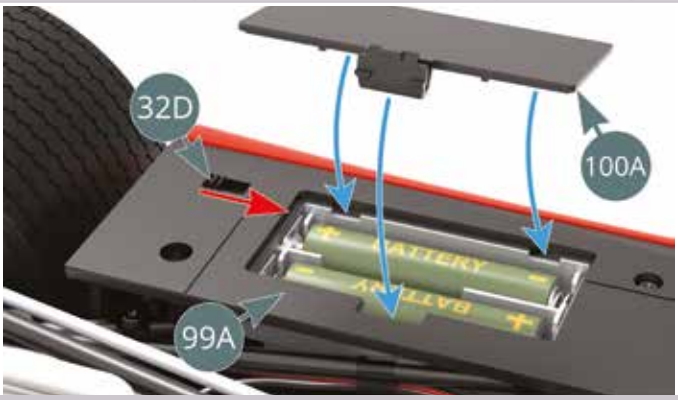




One by one, attach 93E Left and 93F Right lamp bases to 90A Rear hood and over dried up 100B Top number decal, and fasten from below with two AP screws.

STEP 3

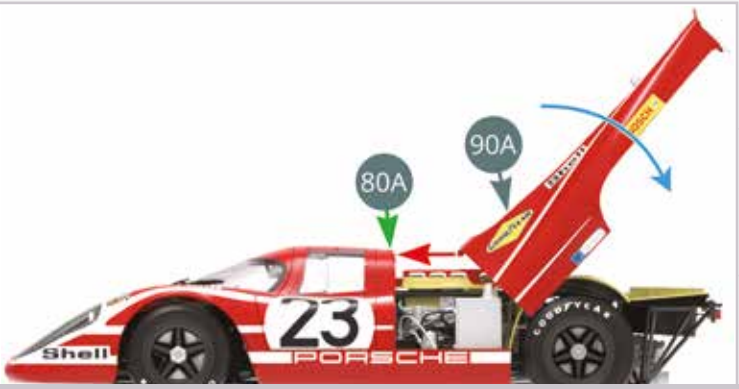




100B Top number decal and Lamps are attached to Rear Hood.
Load two AAA size Batteries (not supplied) into Battery compartment and fit 100A Battery cover to 99A Bottom panel. Push 32D Switch on, in forward position.

STEP 4

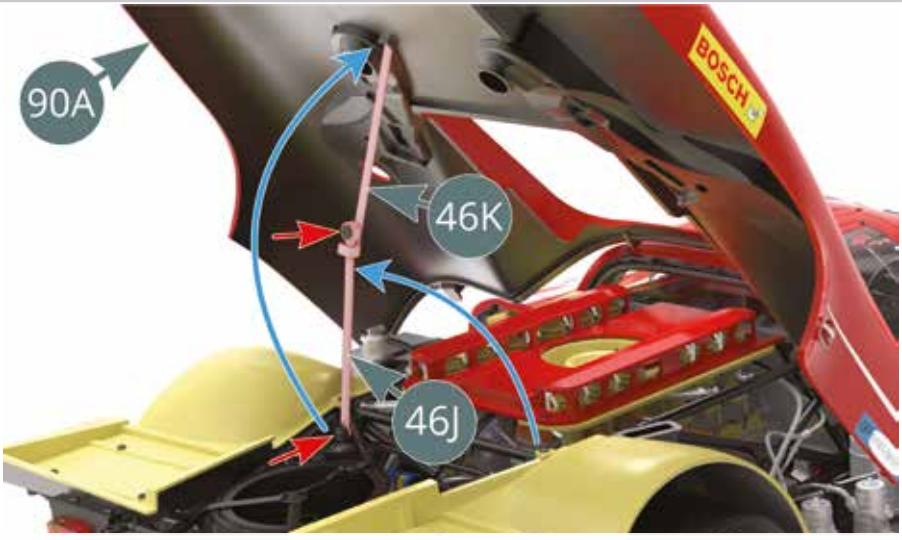




Attach 1B Hood cover to 80A Bodywork front compartment and fasten it with seven 82F Hood cover locks. Attach 90A Rear hood at 45 degrees angle to 80A Bodywork (red arrow) and close it on car (blue arrow). Take care to keep 80A Bodywork edge from being scratched at the joint (green arrow).

STEP 5

Raise up 90A Rear hood, unfold 46J, 46K Hood strut and test its supporting function. Loosen slightly screw joints (red arrows) for the strut alignment to 90A Rear hood support point if needed.





STEP 6





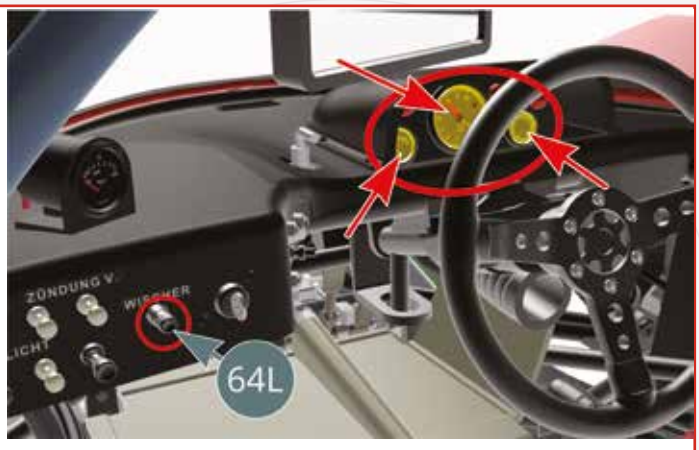
48D and 49D Rear lights

Open Left side door, and push 64N Switch button to check lights go up as shown on the next three illustrations.

STEP 7



Four front Headlights



Instrument panel dials back light

STEP 8

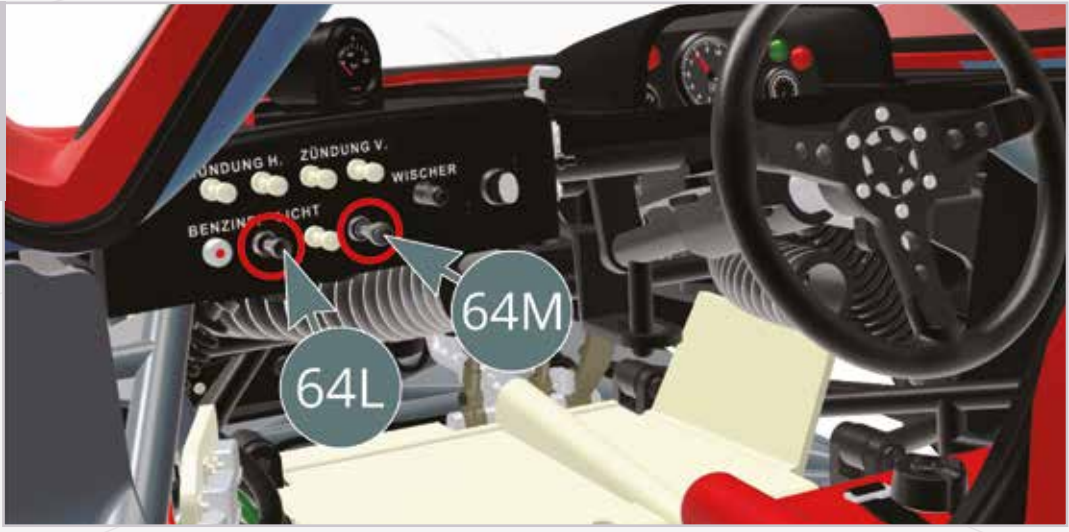




Push 26F Brake pedal (middle pedal) with help of pen tip, and check 48D Left and 49D Right brake lights go up (upper and lower illustrations).

STEP 9

Push 64M Switch button to hear Horn sound. Push 64L Swith button to hear Engine work sound.



STEP 10

Place two 78C Jack stands under left and two more under right sides of car to lift up front wheels facilitating testing steering wheel turn function.



General view




Shell
23
PORSCHE
GOODYEAR
BOSCH
MARTINI



ixoCOLLECTIONS