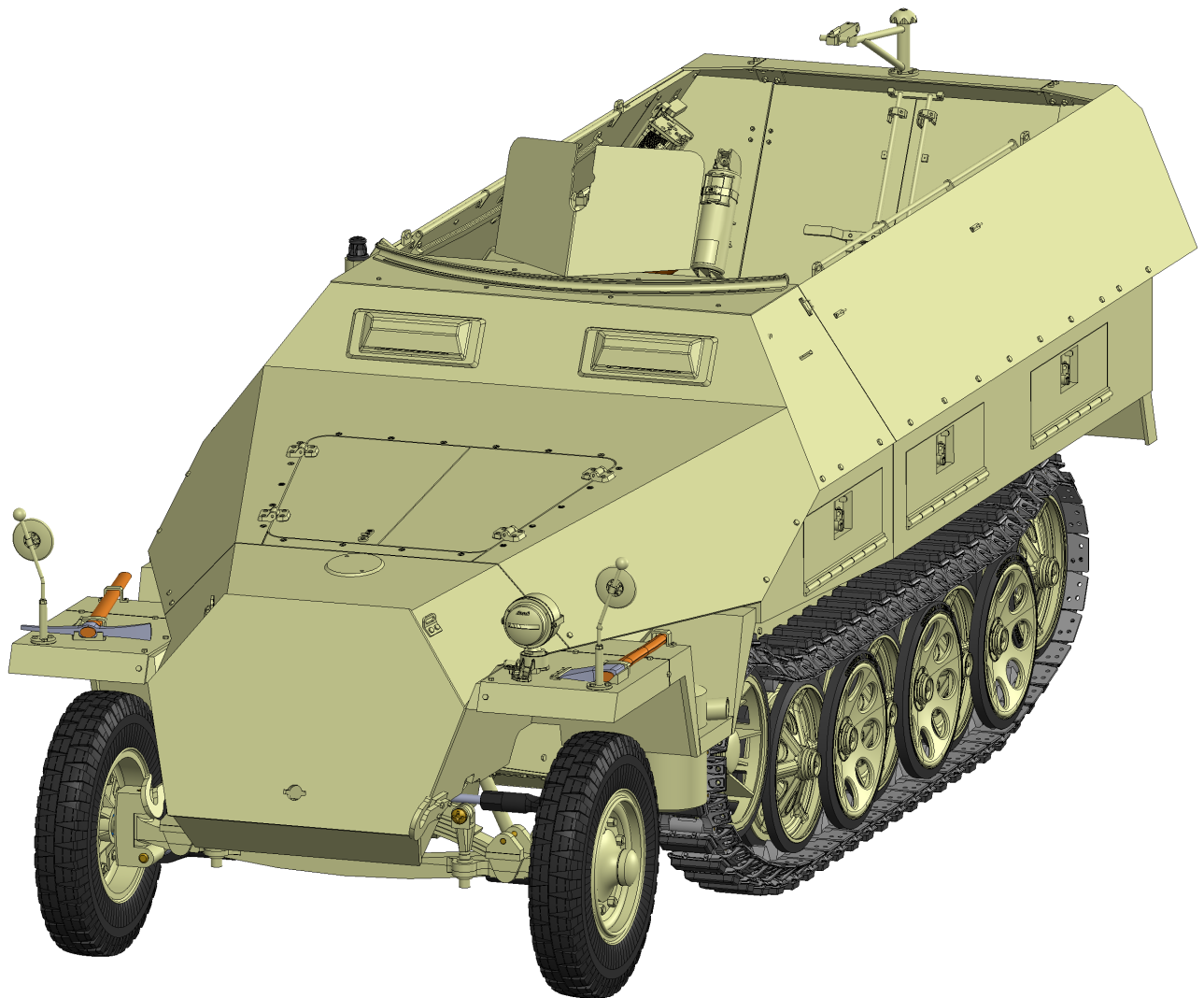


Sd.Kfz.251/1 Ausf.D

German half-track

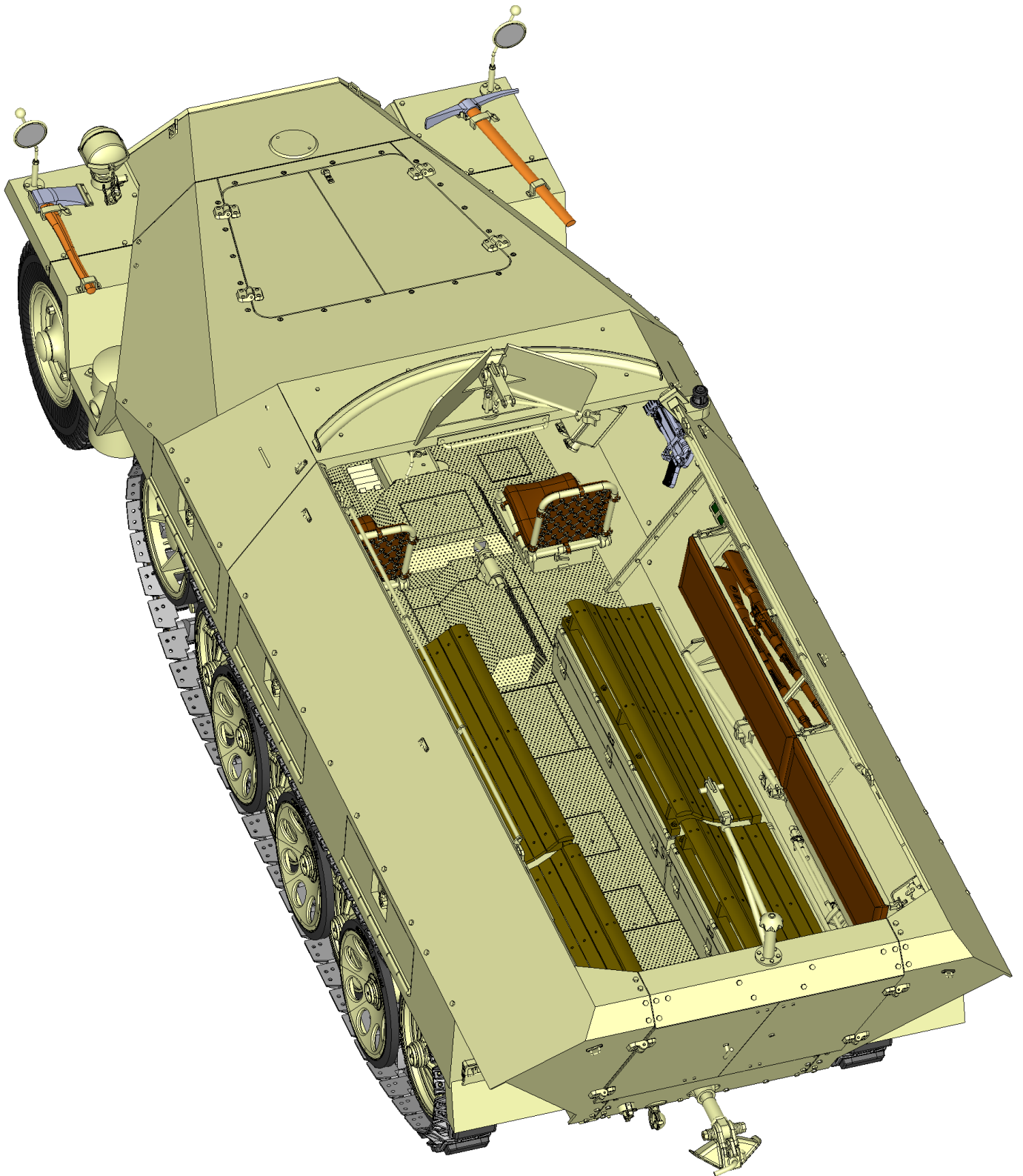
Assembly guide



1/16 scale RC model by  **WARPRINTS**

Sd.Kfz.251/1 Ausf.D

Assembly guide



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8	ASSEMBLY 01 - Chassis
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125	Final assembly

Thank you for choosing our model.

We hope that the assembly will be trouble-free and you will enjoy the model.

This part of the manual will guide you through the assembly of the model, it also contains a list of materials needed for its assembly.

DO NOT BE CONCERNED BY THE LARGE NUMBER OF PAGES OF THIS MANUAL. IT'S FULL OF LARGE PICTURES AND SAVES NO SPACE.

Each page contains one construction step.

If you still encounter problems or issues during construction, contact us on our forum <https://www.warprints.xyz/forum>

In the manual you will find everything you need to build the model, including the location of mechanical parts such as servomotors, motors or various bearings. All printed parts are numbered according to the order in which they are installed on the model.

Some printed parts are identical or mirrored, but have different numbering to maintain the clarity of the assembly.

Follow the assembly procedure according to the instructions, do not skip or neglect any steps.

The kit is divided into assemblies.

The individual assemblies can be removed from the tank at any time for service or maintenance.

Never glue individual assemblies together!!!

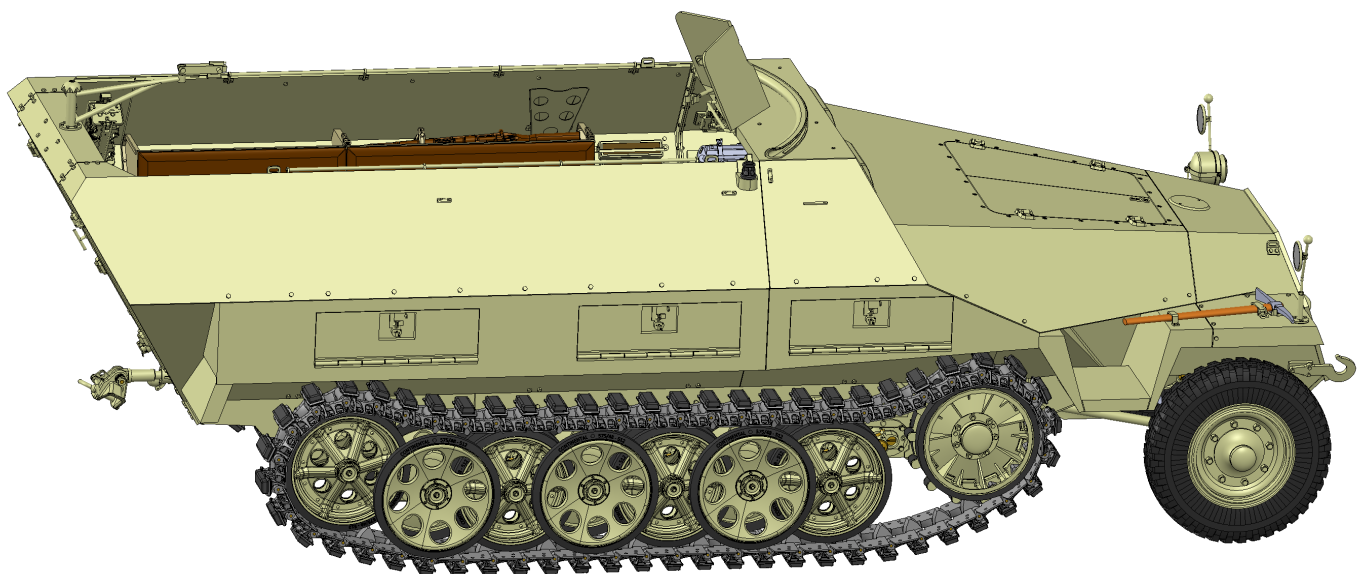
Of course, you can build the individual assemblies in any order you want.

Failure to follow the instructions may prevent further construction, or even lead to damage on the model during use!!!

Weight of the assembled model: 0,98kg (2,16lbs).
Dimensions: 374 x 131 x 109mm

FEATURES:

- detailed interior
- important chassis parts made of nylon
- realistic front axle design
- all wheels contain bearings
- built-in track tensioners
- two 180 size motors
- proportional steering using a combination of wheels and tracks
- all electronics hidden under the floor, tailor made control unit electronics
- active cooling of electronics
- two functional lights
- functional towing device
- opening engine hatch and rear door
- fully functional front visors
- fully functional MG42 holders
- small details made of durable materials



The manual contains the entire assembly of the model, excluding the installation of the control unit, transmitter, battery and the final connection of the electronics.

THE WIRING OF THE ELECTRONICS CAN BE FOUND IN A SEPARATE MANUAL:

Sd.Kfz.251/1 Ausf.D - Electronics guide - scale 1/16

On our forum, we can actively help you with the entire assembly.

At the same time, your questions and our answers on the forum will help many other enthusiasts who are looking for help.

Therefore, please address your questions about the assembly and use of the model on the forum instead of e-mailing us. Thank you.

This model is intended for advanced modelers.

- **Check moving parts regularly.**
- **The screws on all wheels and servomotor arms must be secured against falling out.**
- **Tighten the tracks sufficiently using the tensioners on the rear wheels.**

!!! When using the model for the first time, observe the track pins frequently and carefully to ensure that they do not loosen !!!

Increase caution during the first 15-20 minutes of driving.

Glue loose pins immediately.

General practices for building:

- **In the instructions often appears (e.g.) Wire diameter 0,6mm, length 4mm.**

We recommend gluing these wires in place first and then cutting the appropriate length. It's much easier than trying to put a 4mm long wire somewhere.

- **Paint the interior parts before gluing.**

Prior to construction, pick out the interior parts from Assembly 02 and paint them before starting work on Assembly 02.

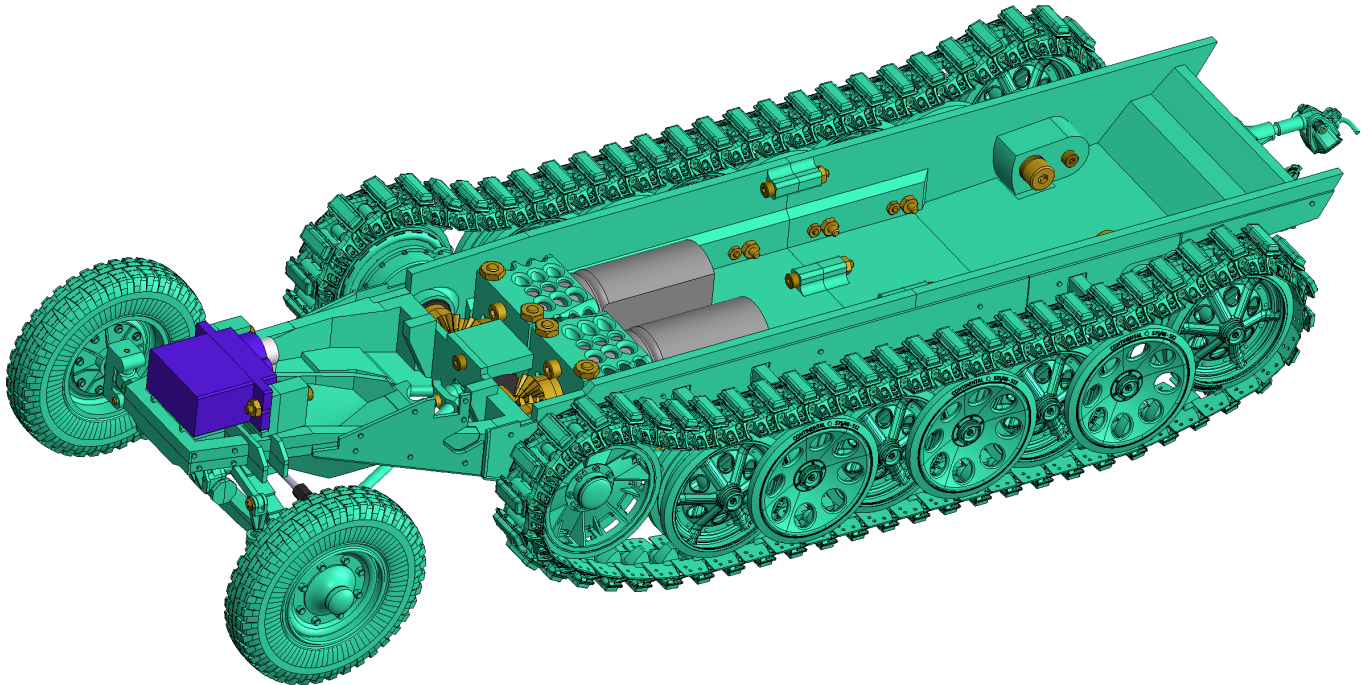
- **Use the "Painting masks" rubber parts to easily paint the wheels.**

The rubber part fits precisely on the wheel for fast and effortless airbrushing.

- **Use a toothpick for gluing.**

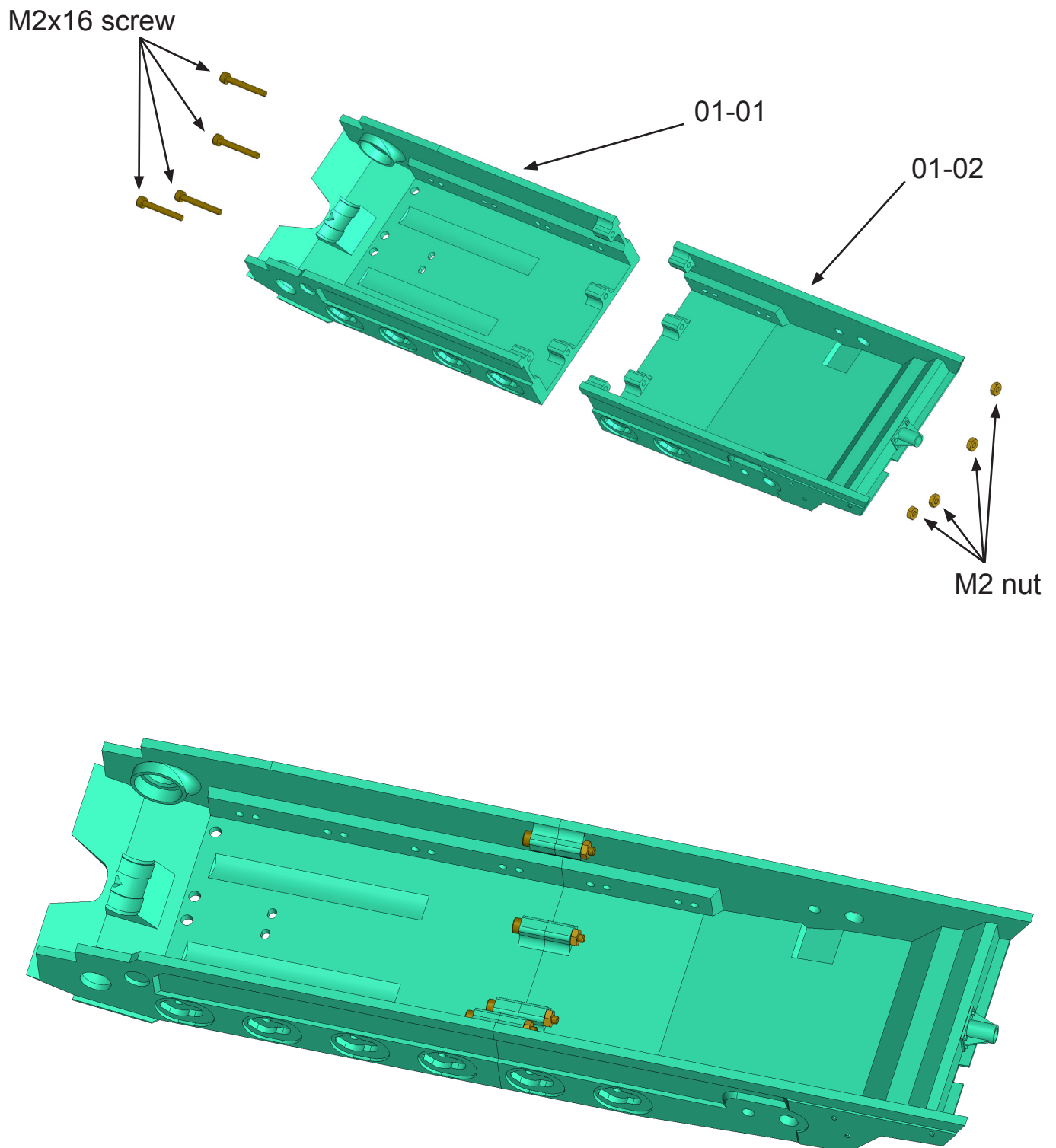
For gluing very small parts with superglue (e.g. hinges), use a toothpick. Apply the glue using it.

Assembly 01 - Chassis



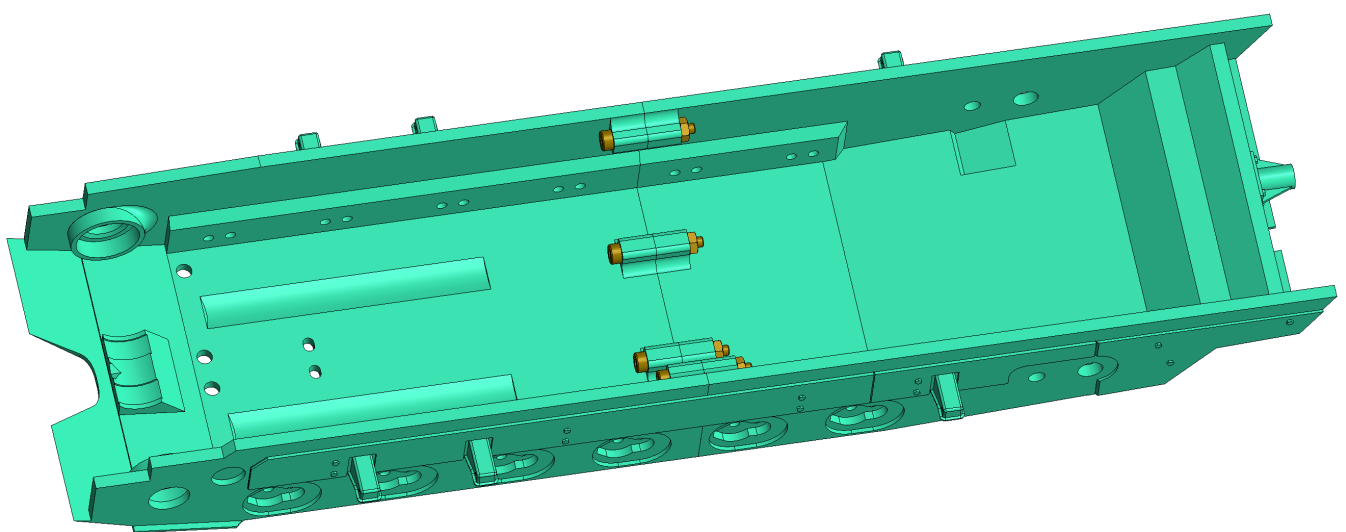
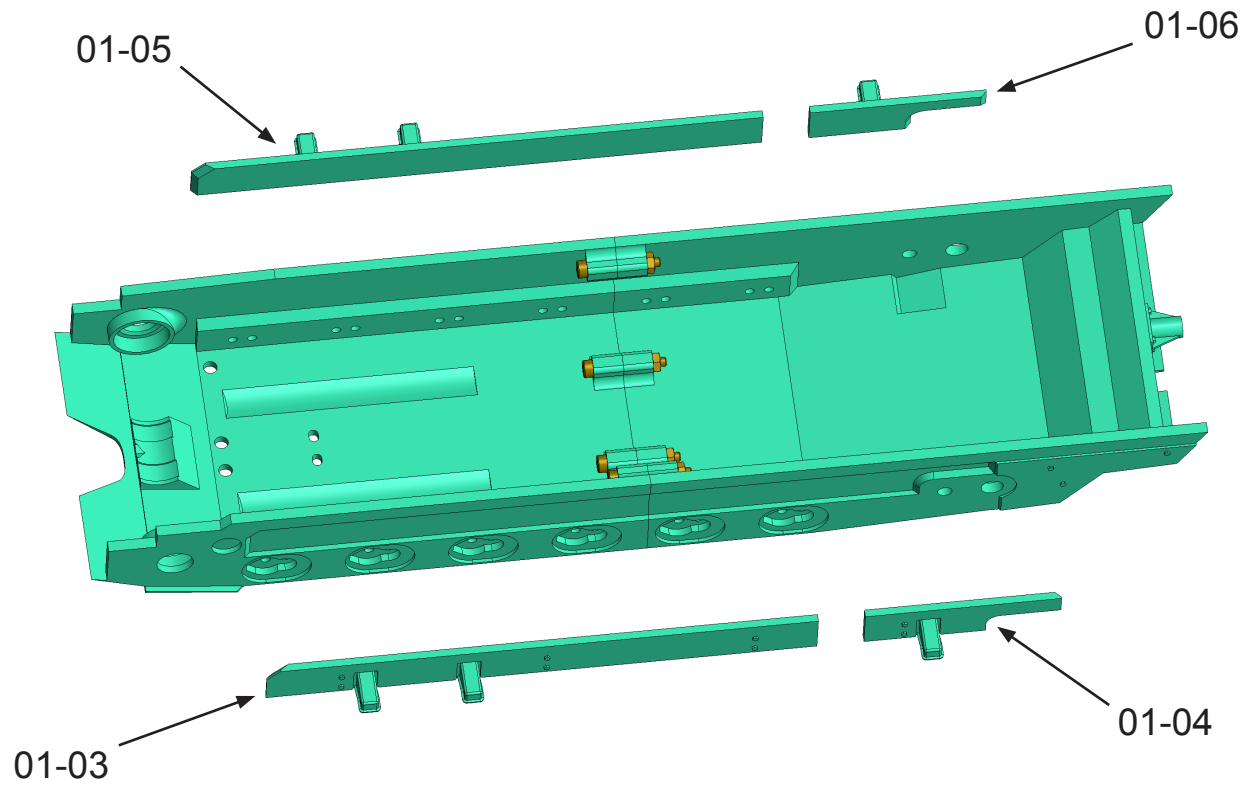
3D PRINTED PARTS:	<p>01-01 (1x), 01-02 (1x), 01-03 (1x), 01-04 (1x), 01-05 (1x), 01-06 (1x), 01-07A (1x), 01-07B (1x), 01-07C (1x), 01-08 (1x), 01-09 (1x), 01-10 (1x), 01-11 (1x), 01-12 (1x), 01-13 (1x), 01-14 (1x), 01-15 (1x), 01-16 (1x), 01-17 (12x), 01-18 (6x), 01-19 (6x), 01-20 (6x), 01-21 (6x), 01-22A (1x), 01-22B (1x), 01-23A (1x), 01-23B (1x), 01-24(2x), 01-25 (1x), 01-26 (1x), 01-27 (1x), 01-28 (1x), 01-29 (1x), 01-30 (1x), 01-31 (2x), 01-32 (1x), 01-33 (8x), 01-34 (6x), 01-35A (1x), 01-35B (1x), 01-36 (1x), 01-37 (1x), 01-38A (2x), 01-38B (2x), 01-39 (4x), 01-40A (2x), 01-40B (2x), 01-41 (2x), 01-42 (2x), 01-43 (1x), 01-44 (2x), 01-45 (1x), 01-46 (1x), 01-47 (1x), 01-48 (1x), 01-49A (1x), 01-49B (1x), 01-49C (1x), 01-50 (1x), 01-51 (1x), 01-52 (111x), 01-53 (2x), 01-54 (2x), 01-55 (14x),</p>
NON-PRINTED PARTS:	<p>M1,6 nut (15x), M2 nut (21x), M3 nut (2x), M3 low-profile nut (4x) M4 nut (2x), M3 washer (6x), M1,6x4mm screw (2x), M1,6x8mm screw (14x), M1,6x10mm screw (1x), M2x8mm screw (1x), M2x10mm screw (3x), M2x8mm screw (1x), M2x16mm screw (23x), M2x18mm screw (14x), M2,5x6mm screw (4x), M3x20mm screw (2x), M3x25mm screw (4x), M4x48mm screw (2x),</p> <p>604zz bearing (4x), mr52zz bearing (32x), Left spring (6x), Right spring (6x), Rod 01 (1x), Rod 02 (1x), Linkage stopper (1x), Bevel Gear (4x), Track pins (111x), Wire - 1,1mm diameter</p> <p>JGA16-180 Motors (2x), SG90 servo (1x).</p>

Assembly 01 - Chassis



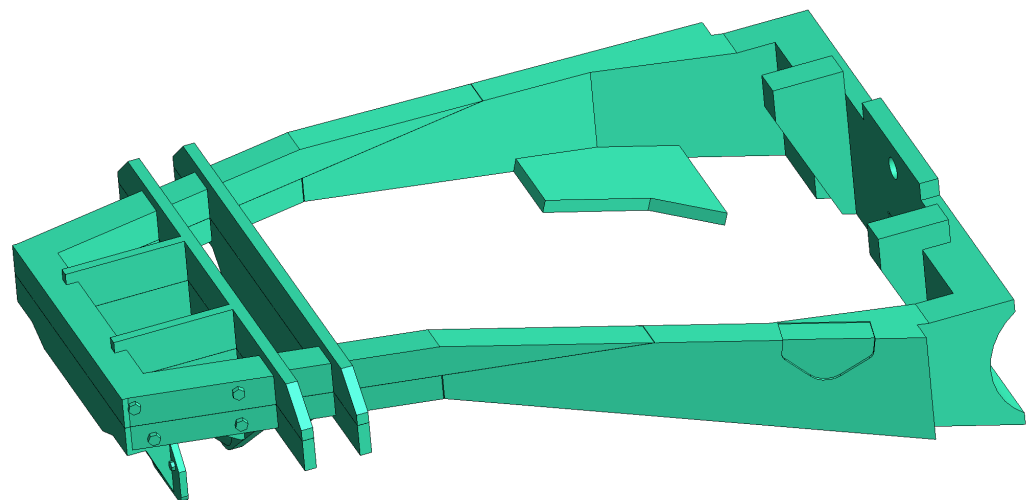
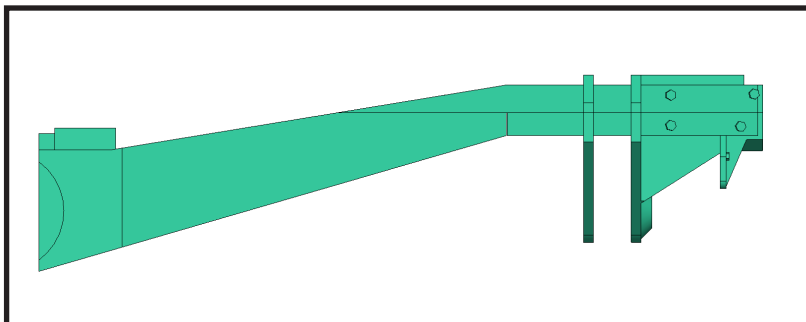
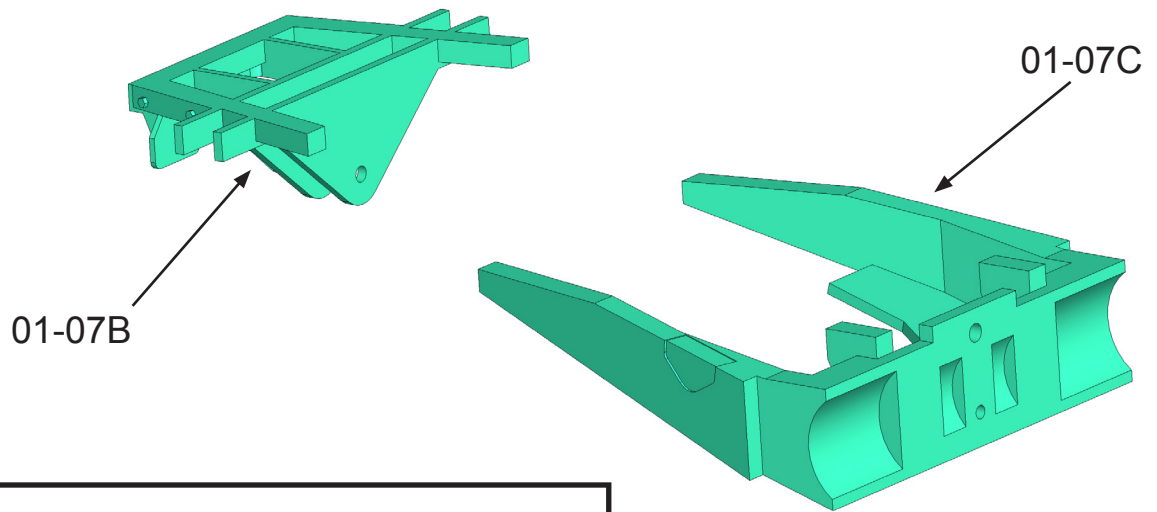
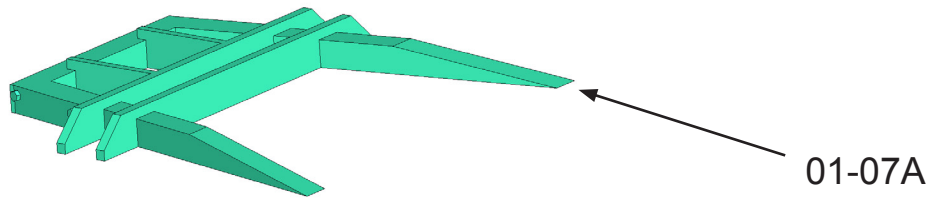
Glue parts 01-01A and 01-01B. Use 4 M2x16 screws and 4 M2 nuts.
These help with precise gluing and strengthen the structure.

Assembly 01 - Chassis



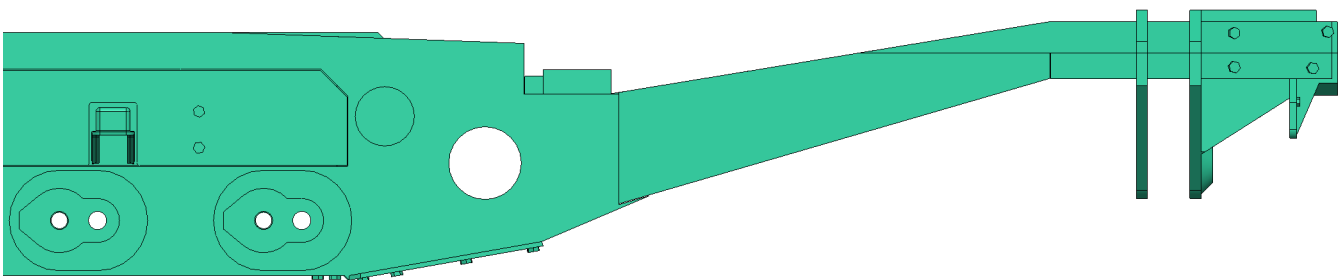
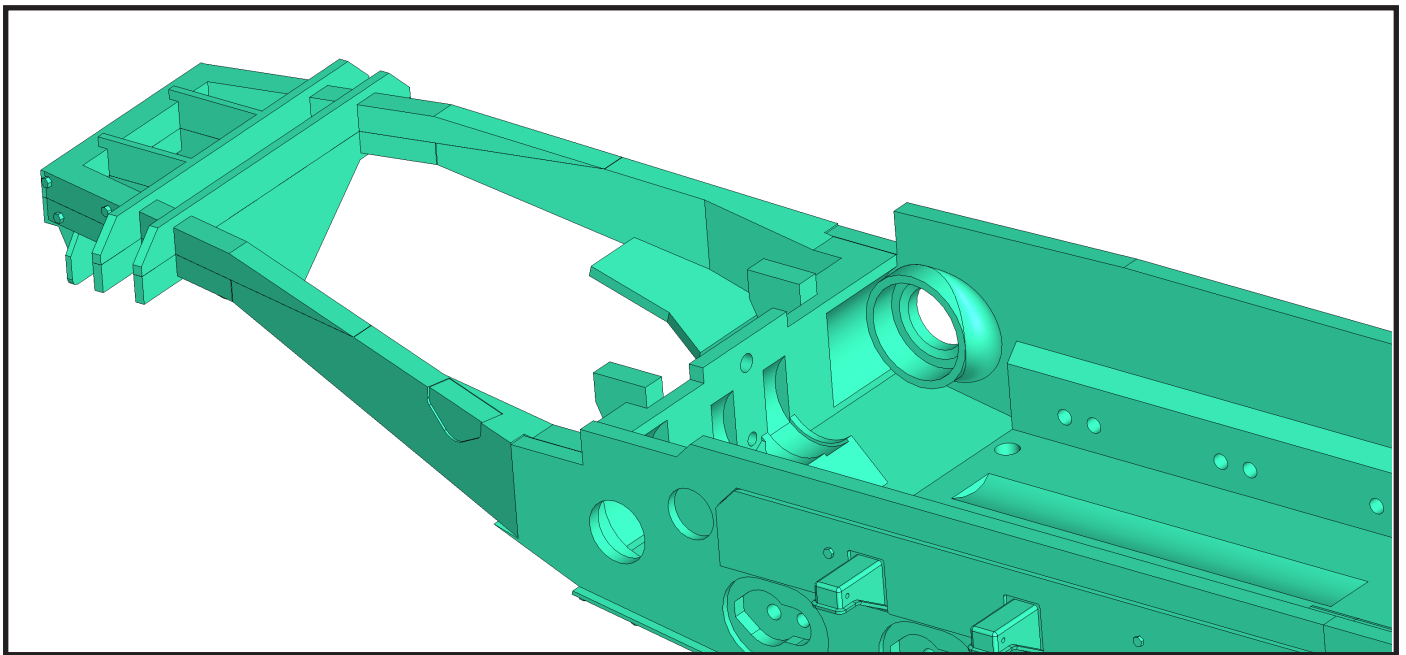
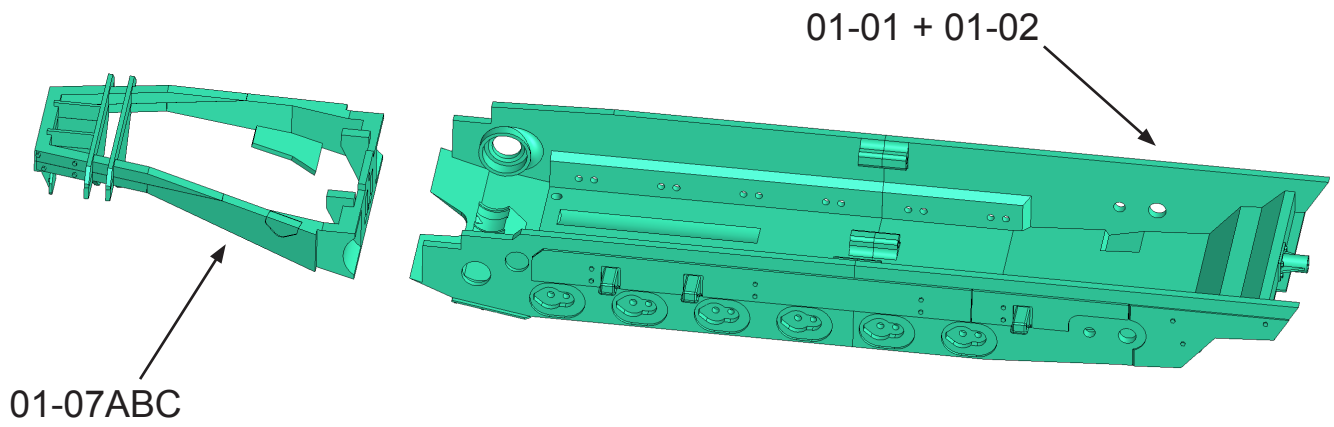
Glue parts 01-03 to 01-06.

Assembly 01 - Chassis



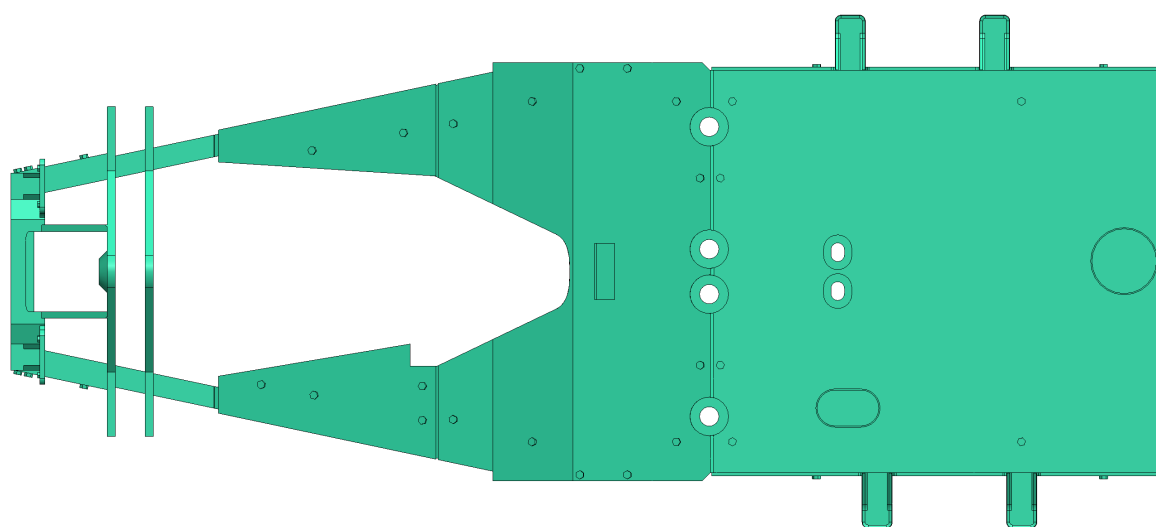
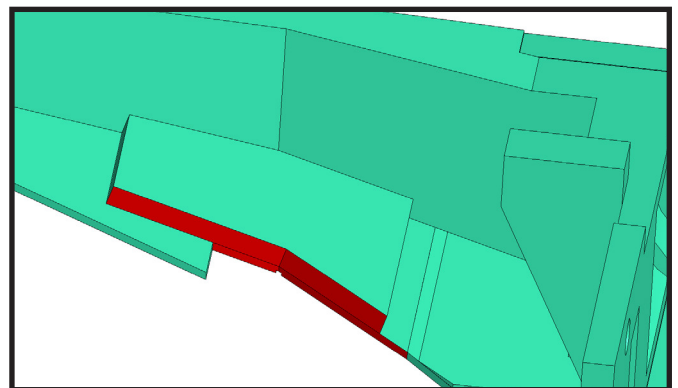
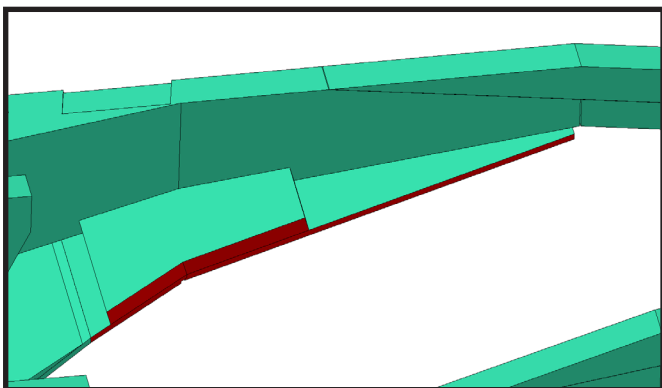
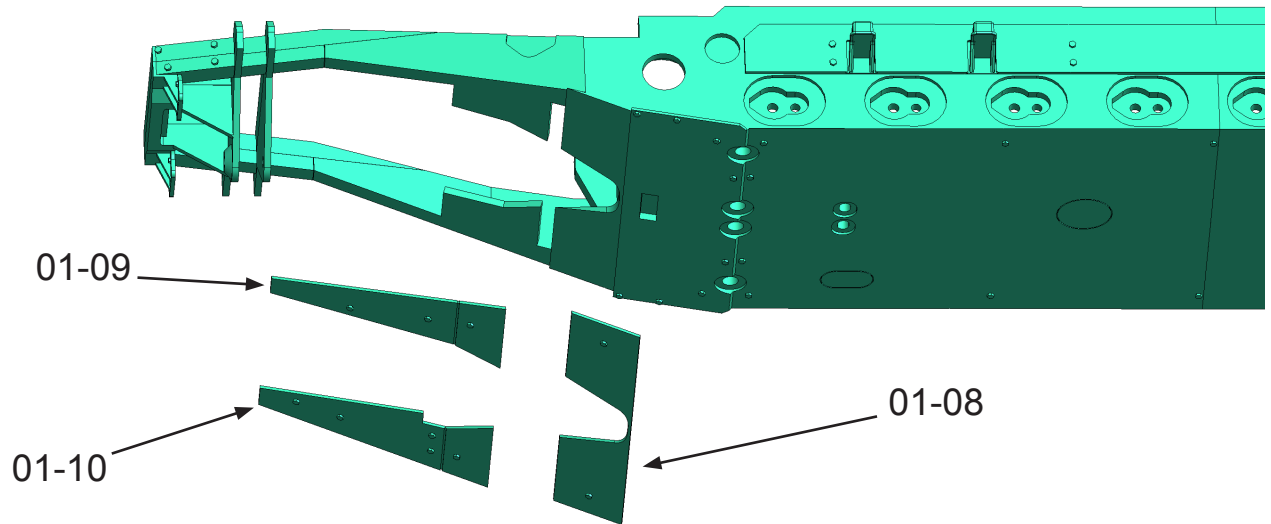
Glue parts 01-07A and 01-07B.
Then glue part 01-07C.

Assembly 01 - Chassis



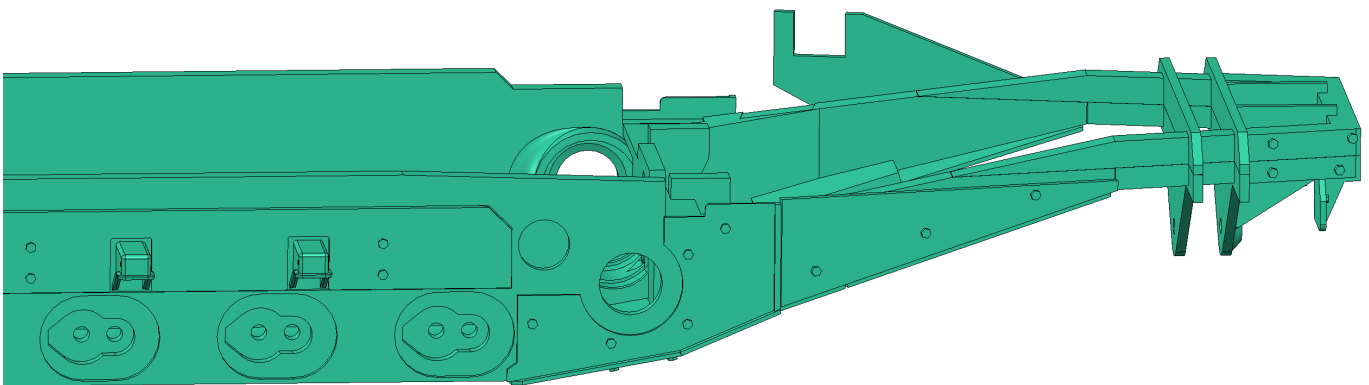
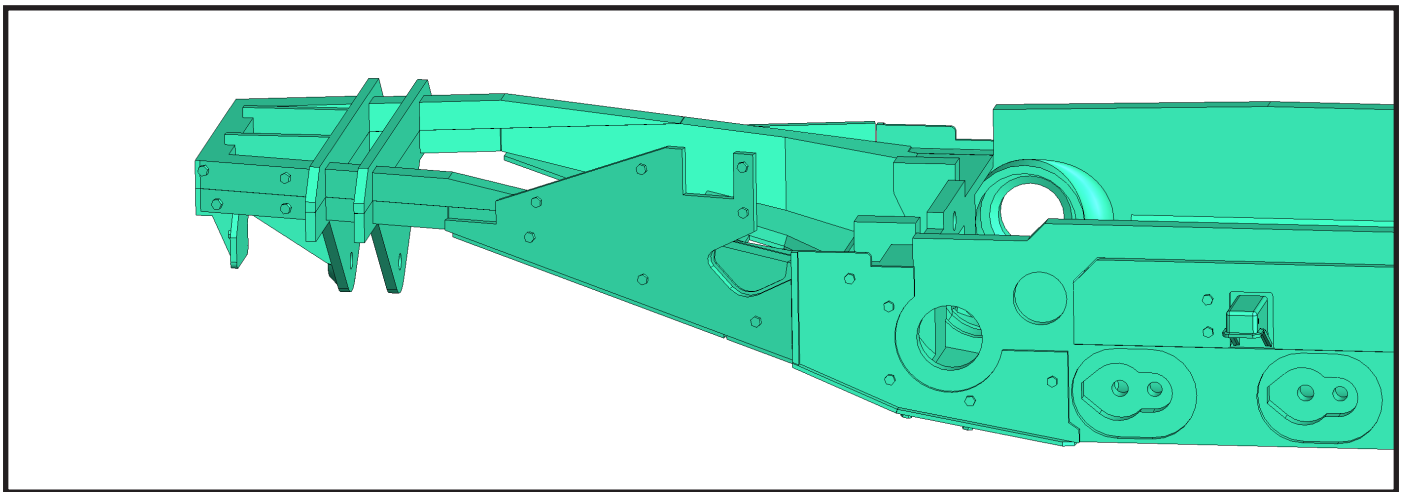
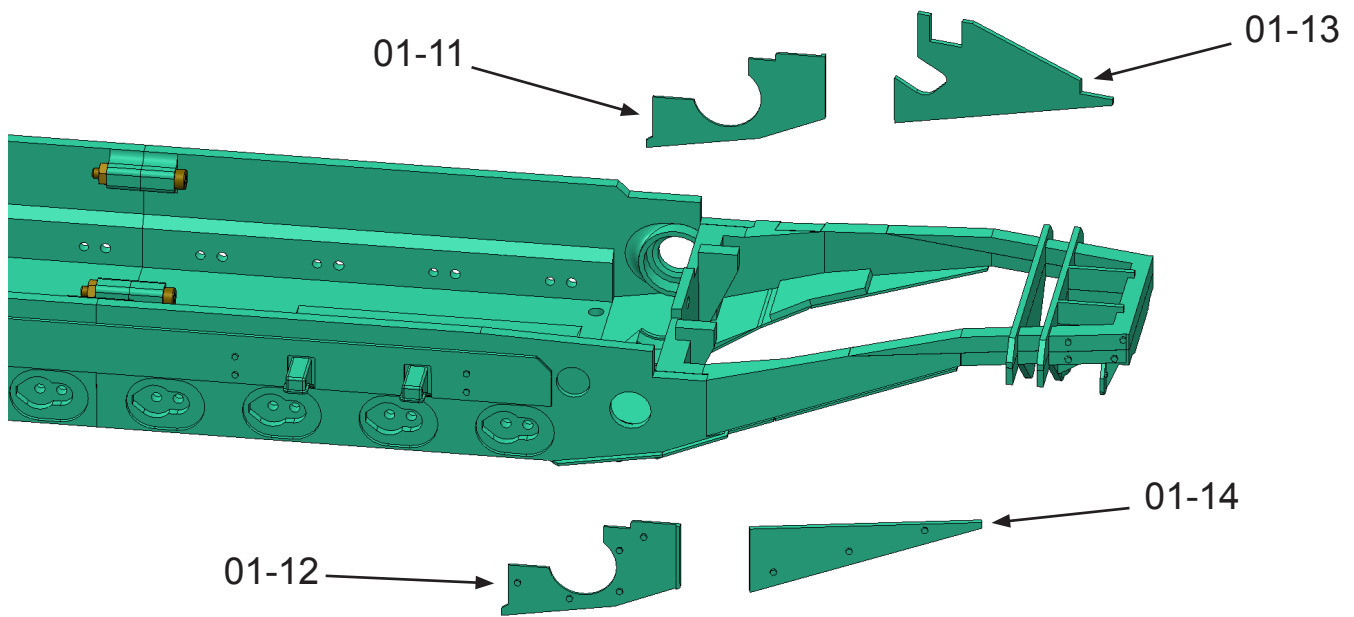
Glue the assemblies of parts 01-01 + 01-02 and 01-07A+B+C together.

Assembly 01 - Chassis



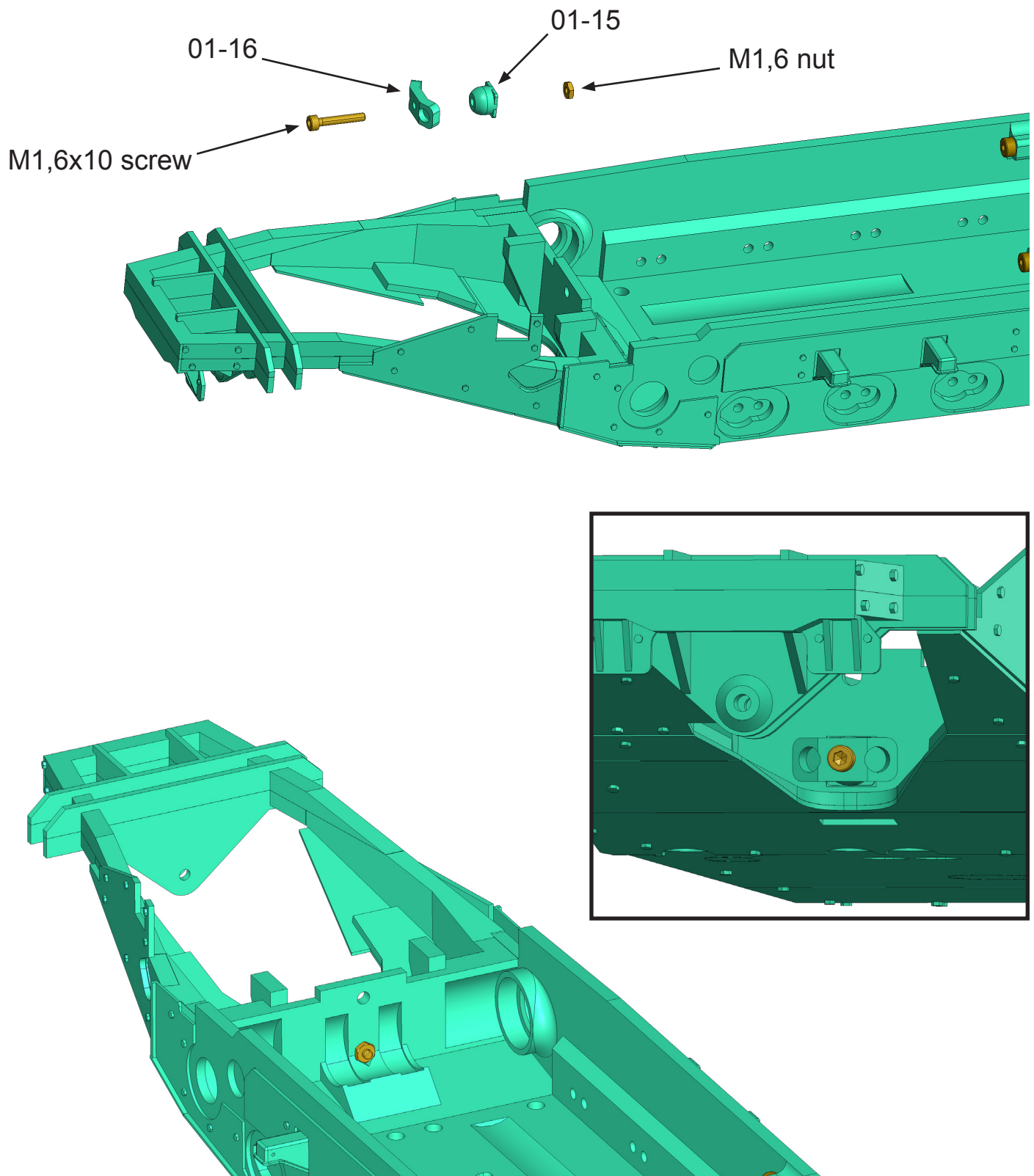
Glue parts 01-08, 01-09 and 01-10.
Align precisely with the edges of part 01-07C (red surfaces).

Assembly 01 - Chassis



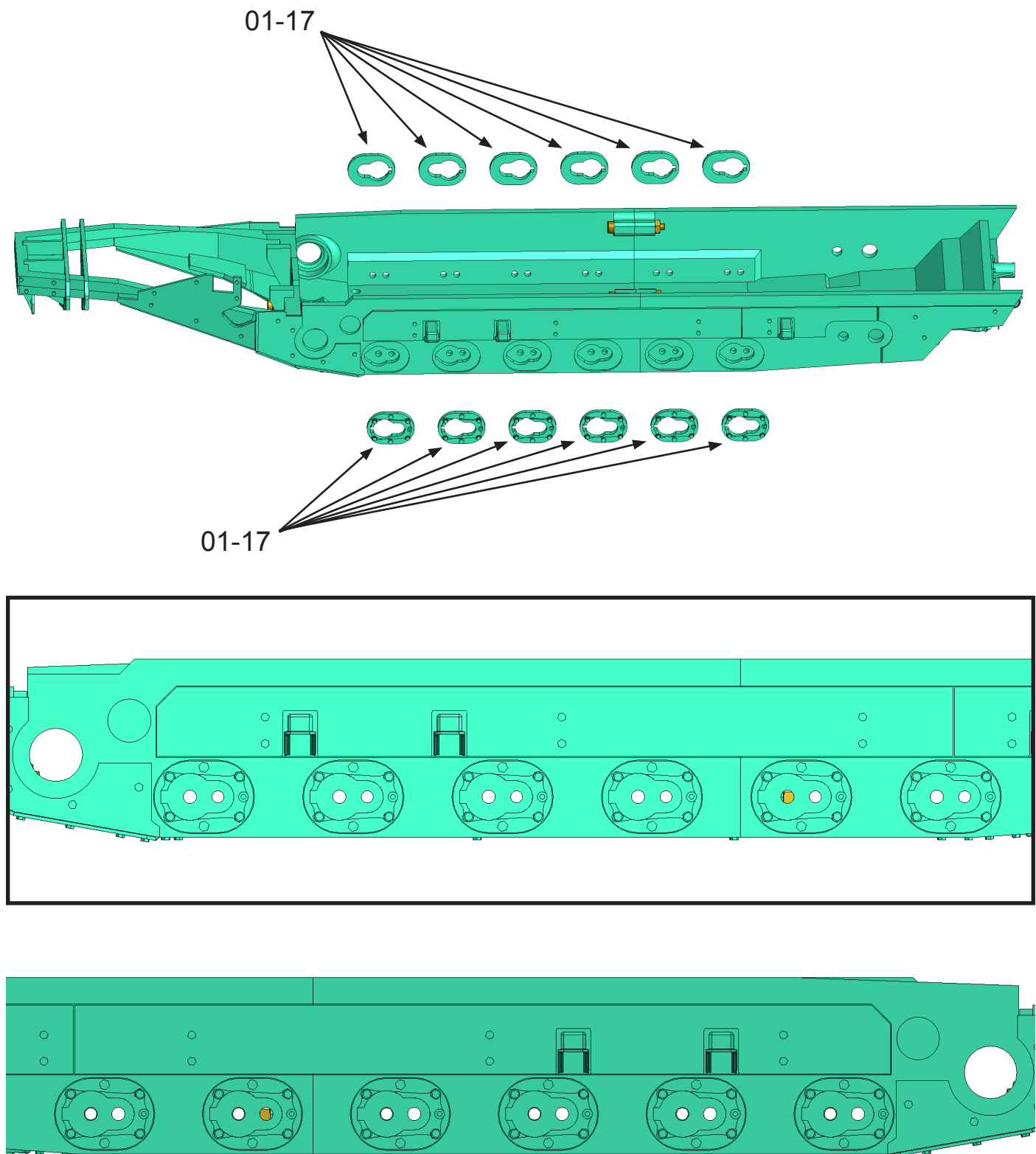
Glue parts 01-11 to 01-14.

Assembly 01 - Chassis



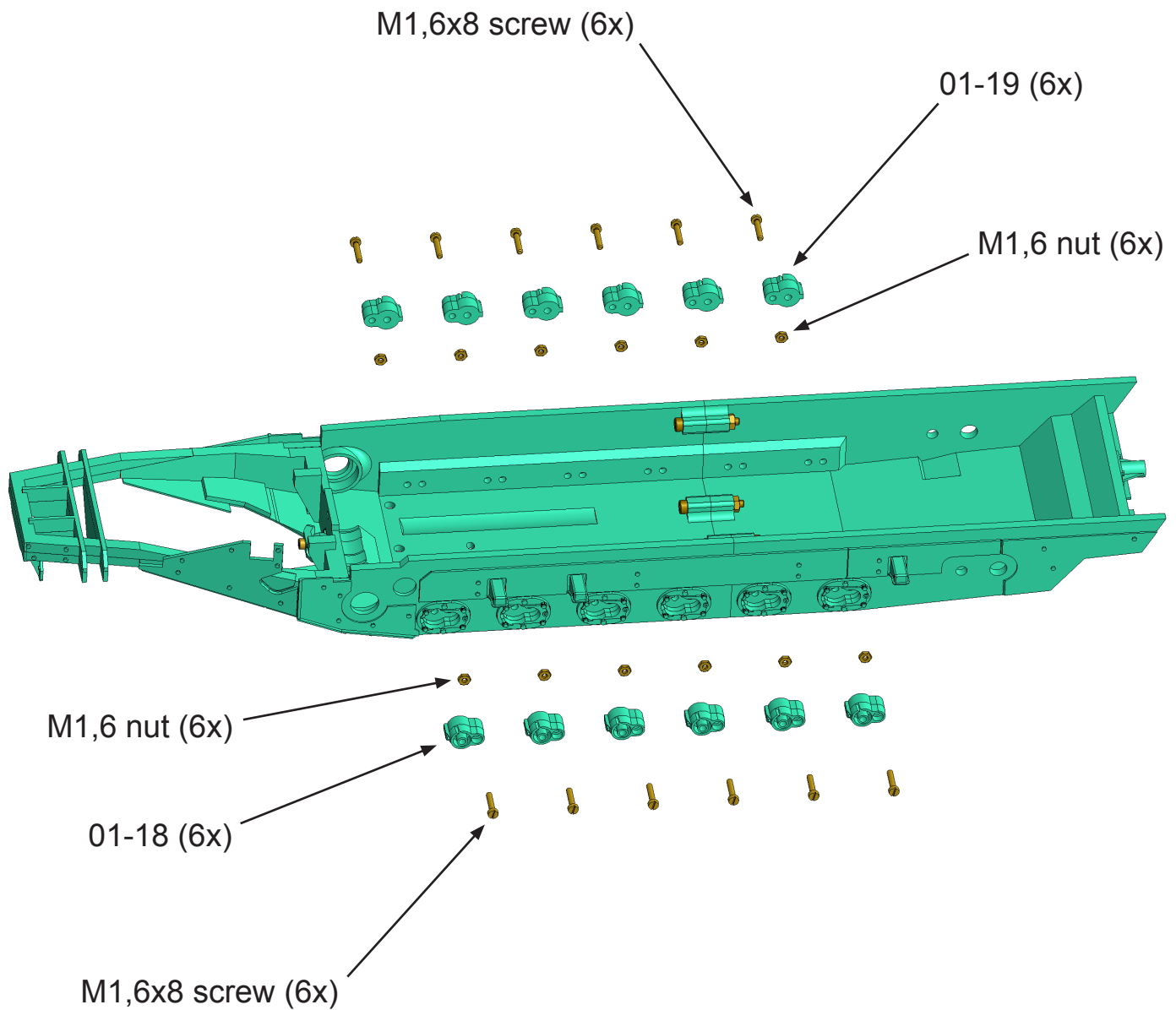
Glue part 01-15 to part 01-01A.
Connect part 01-16 to part 01-15 with M1,6x10mm screw and M1,6 nut.
Make sure that the part 01-16 rotate freely.

Assembly 01 - Chassis



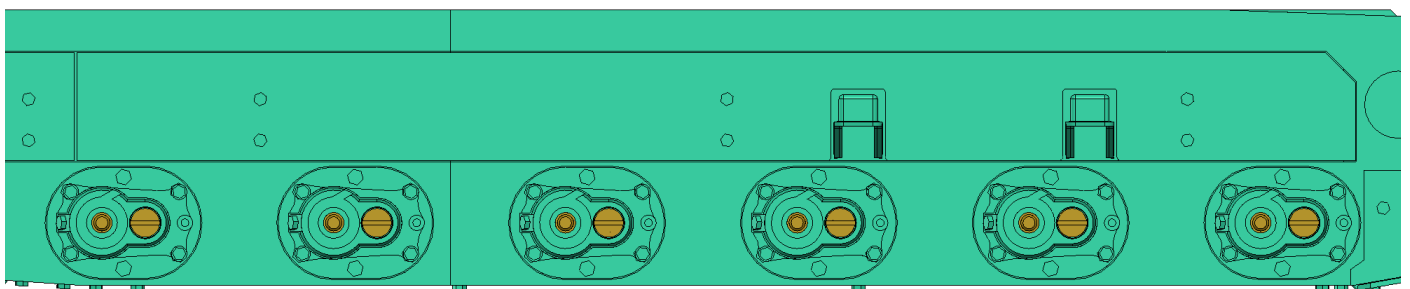
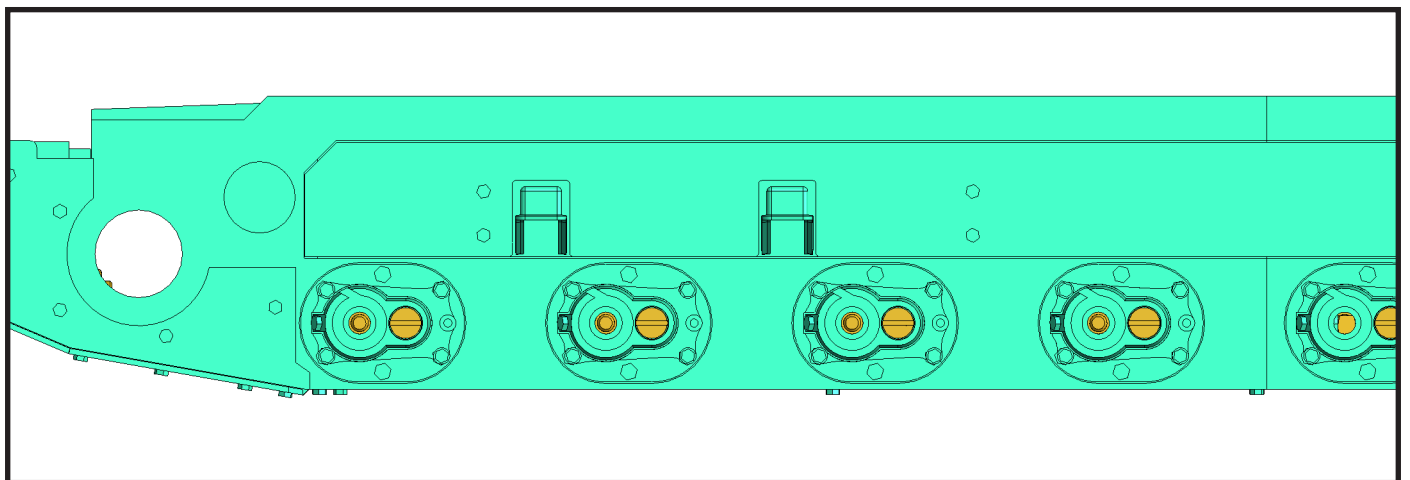
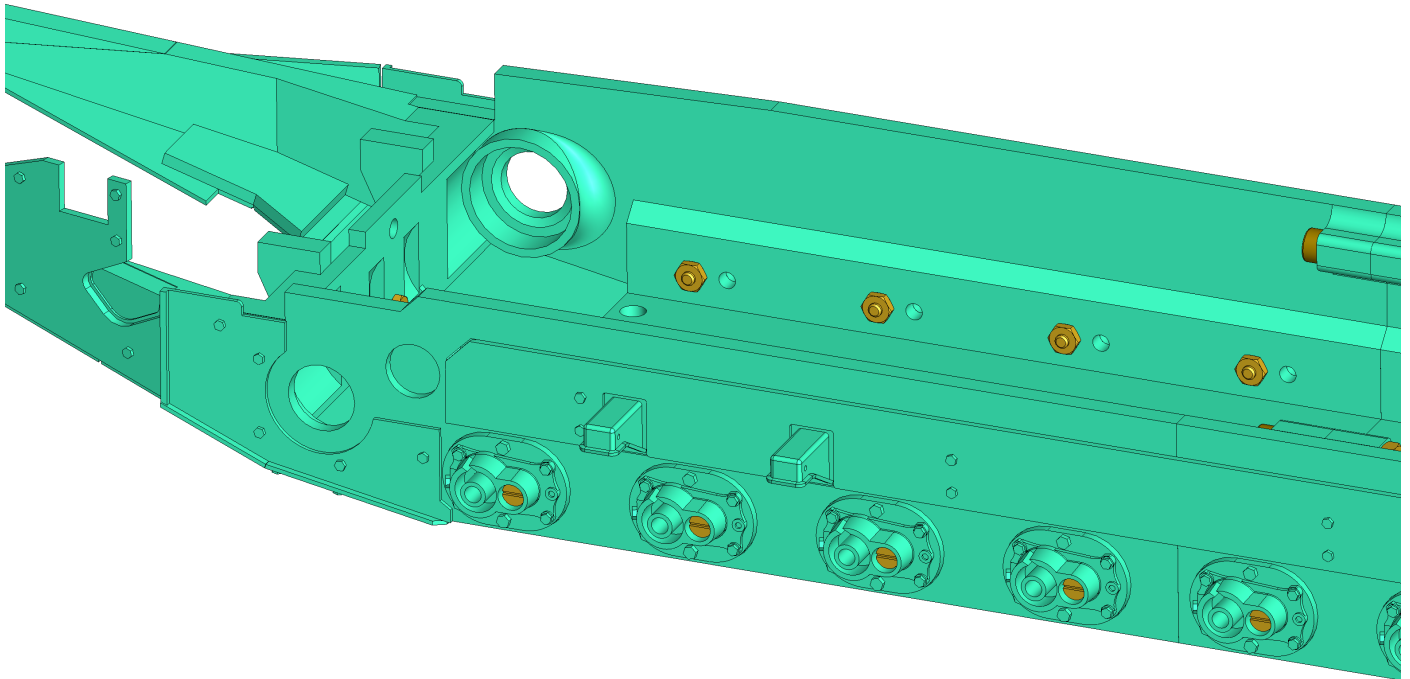
Glue parts 01-17.

Assembly 01 - Chassis



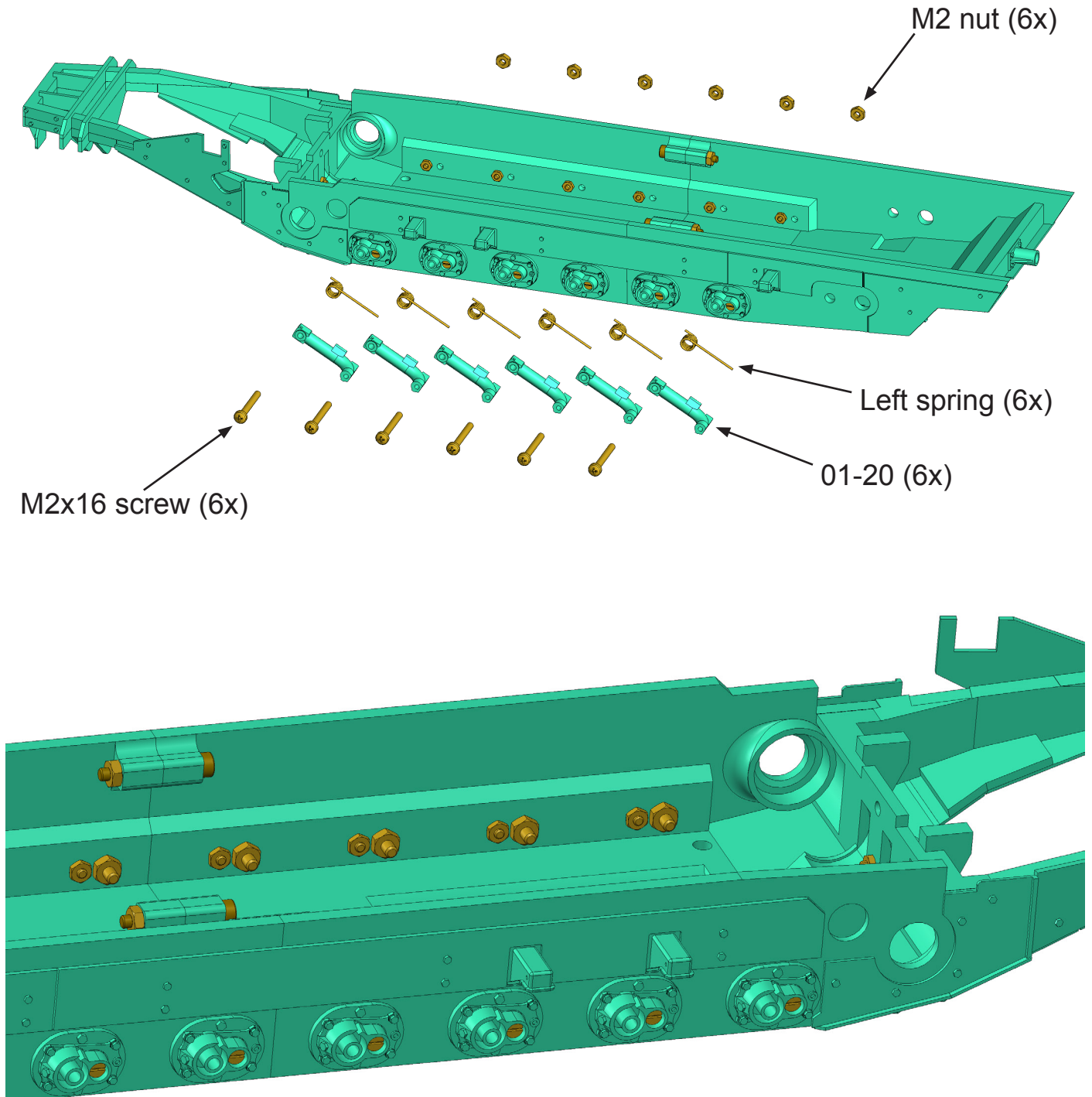
Attach parts 01-18 and 01-19.
Use an M1,6x8 screws and M1,6 nuts.
Do not glue these parts to the model!

Assembly 01 - Chassis



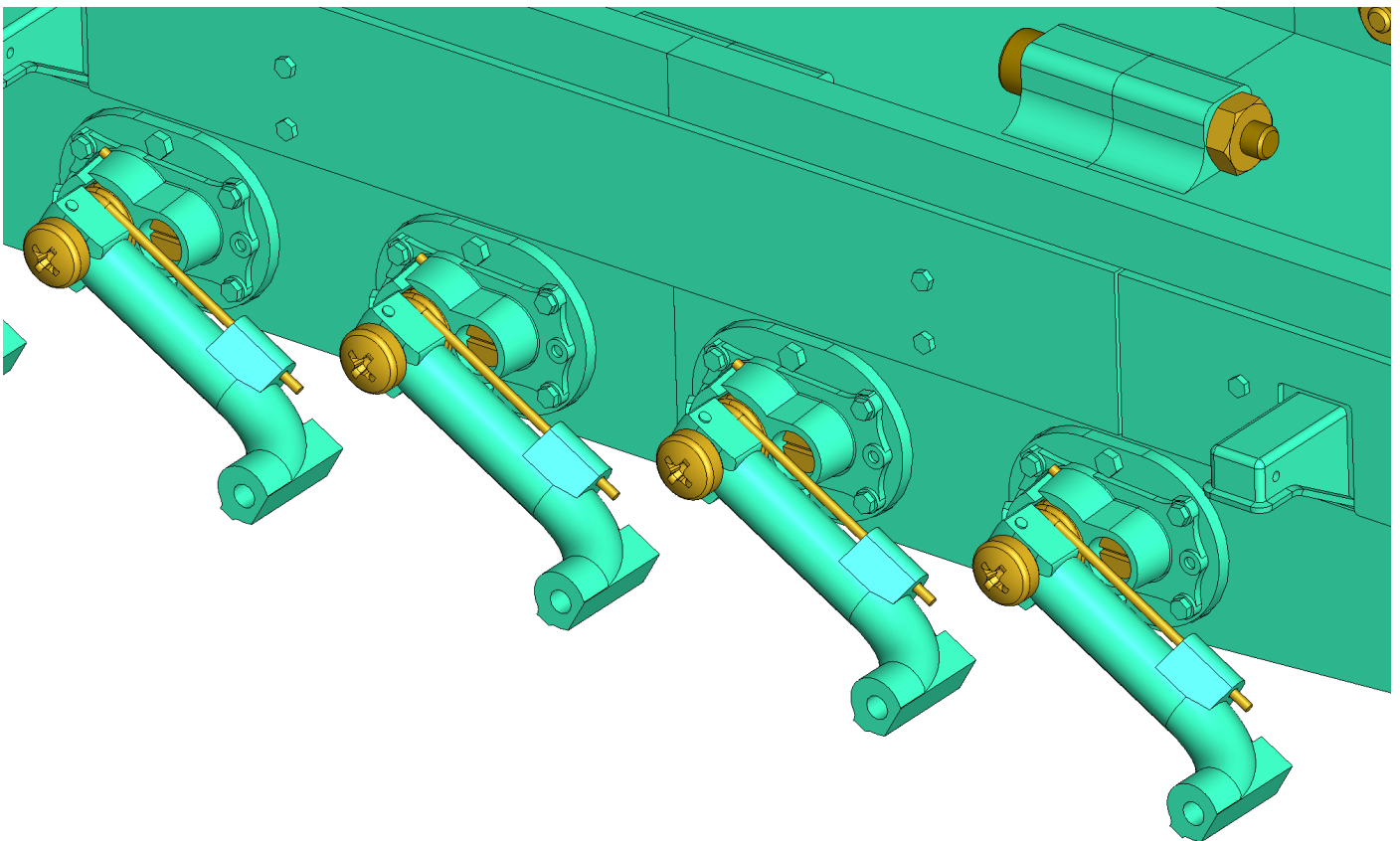
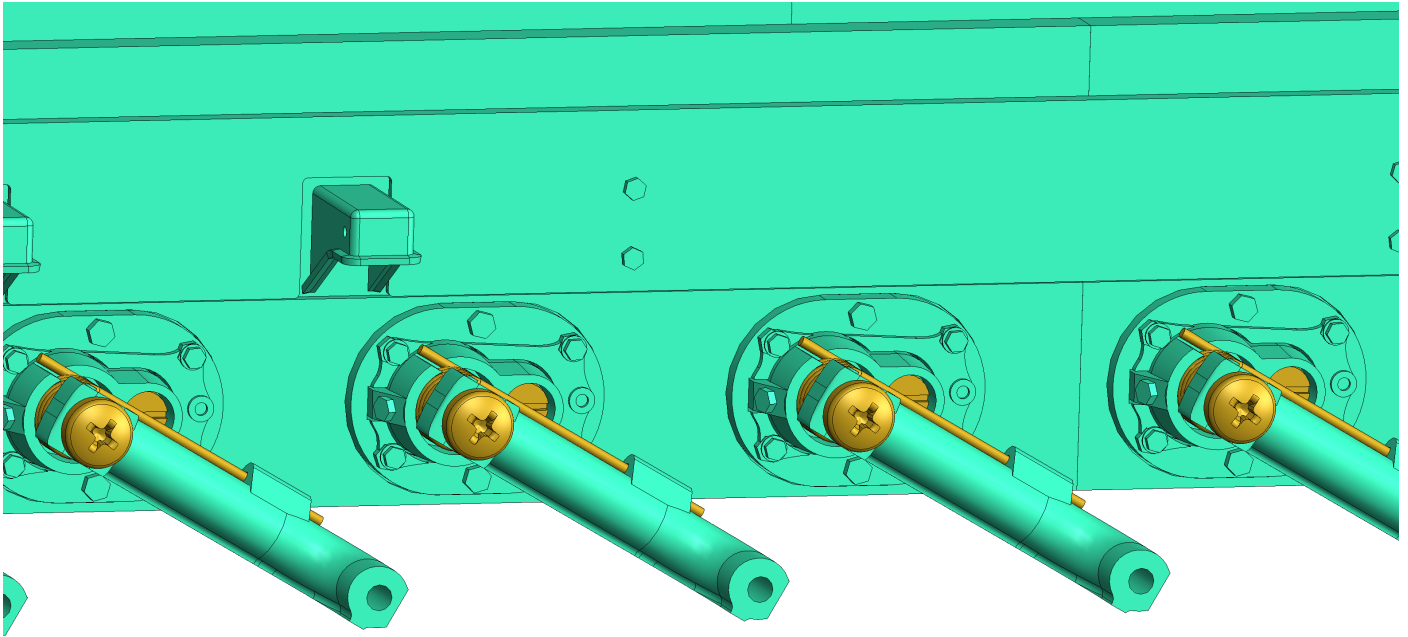
Auxiliary views for installation of parts 01-18 and 01-19.

Assembly 01 - Chassis



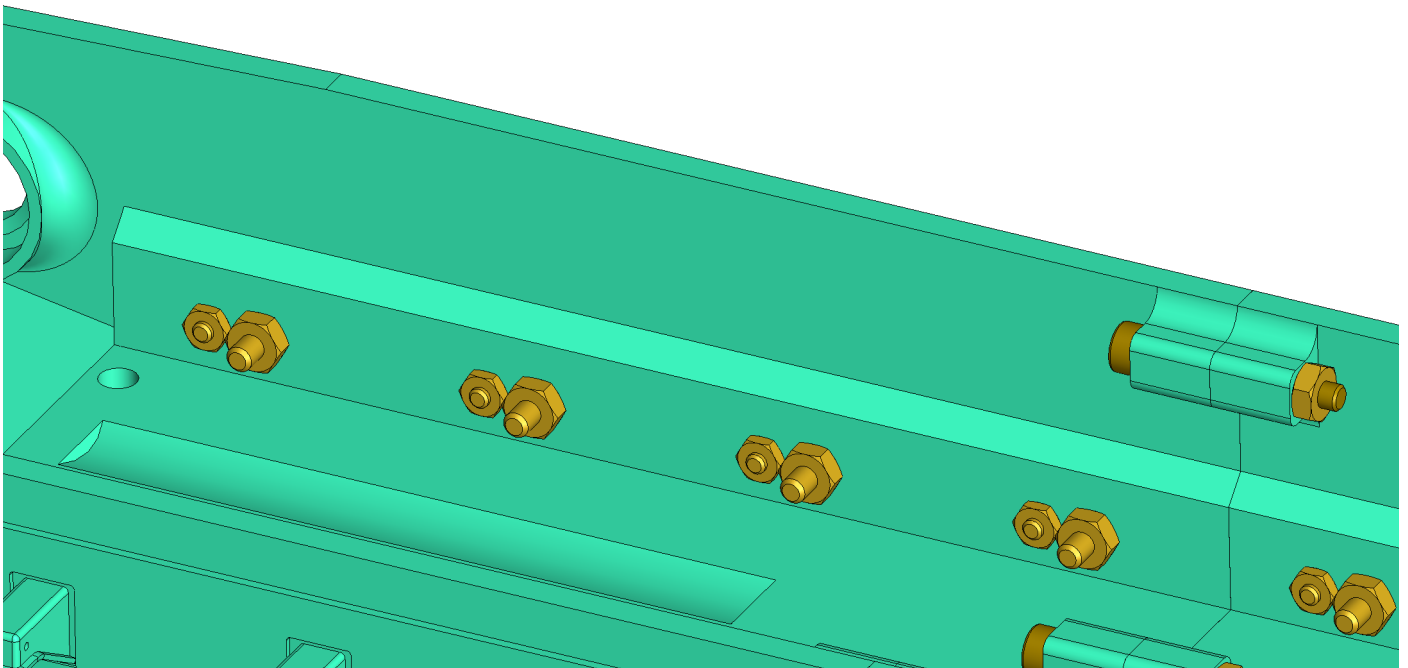
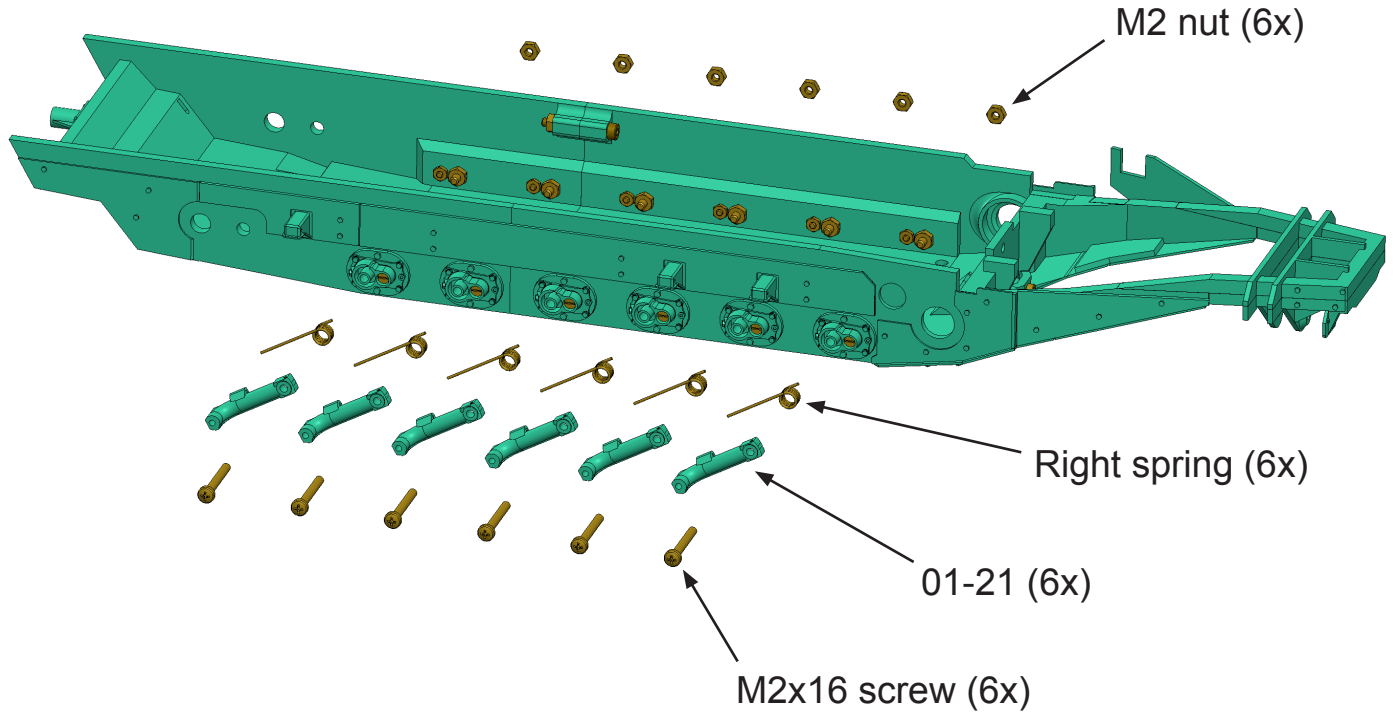
Attach parts 01-20 and left springs.
Use an M2x16 screws and M2 nuts.
Make sure that the parts 01-20 rotate freely, but without much play.

Assembly 01 - Chassis



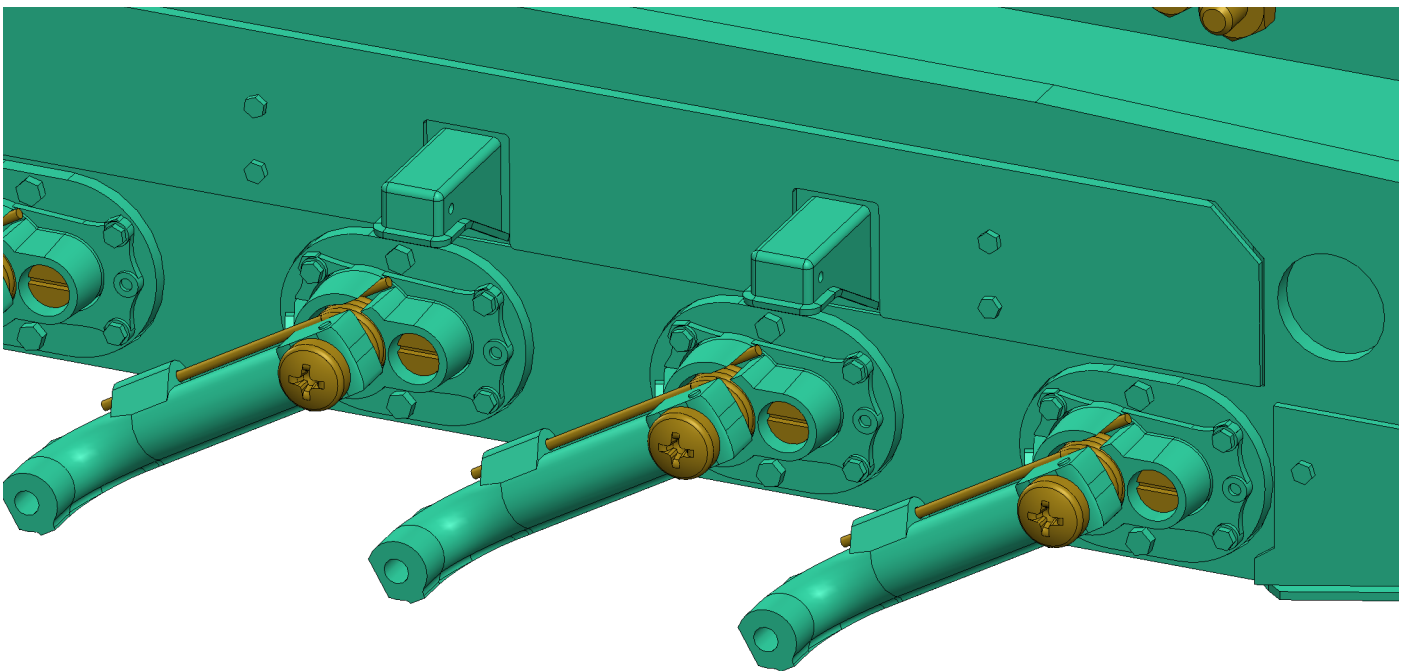
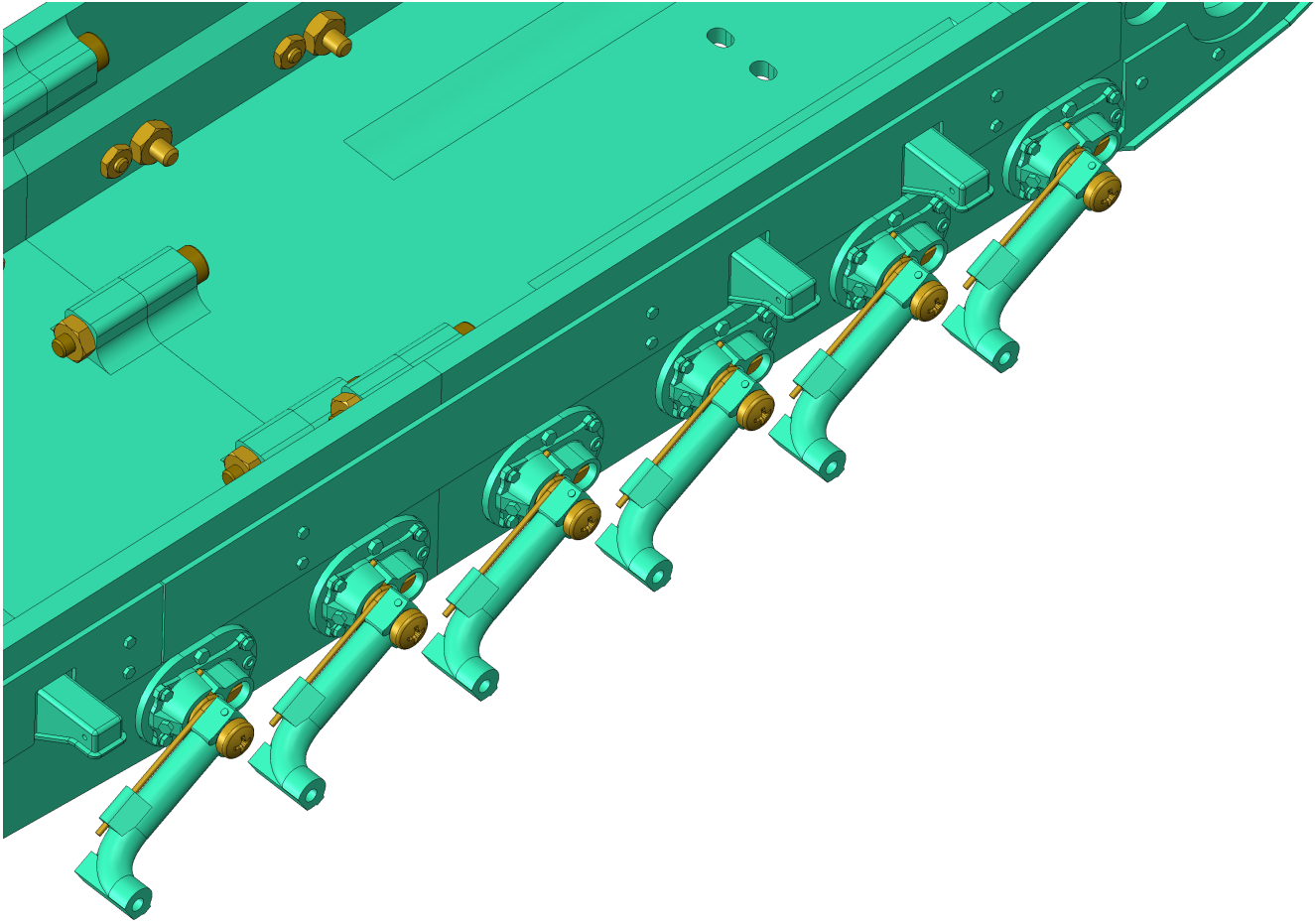
Auxiliary views for installation of parts 01-20.

Assembly 01 - Chassis



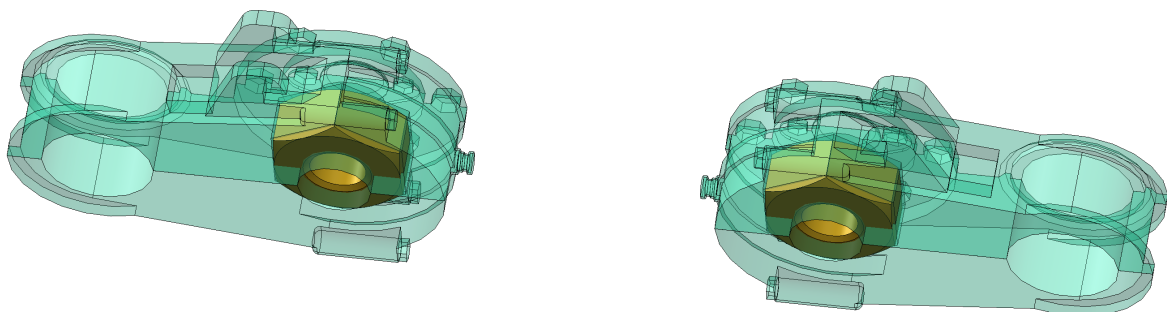
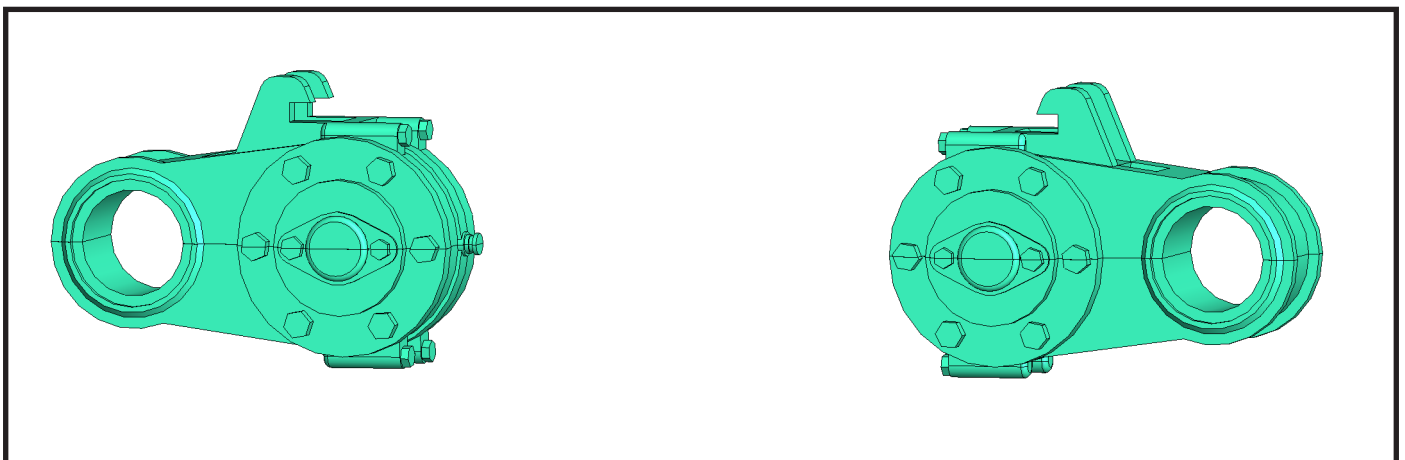
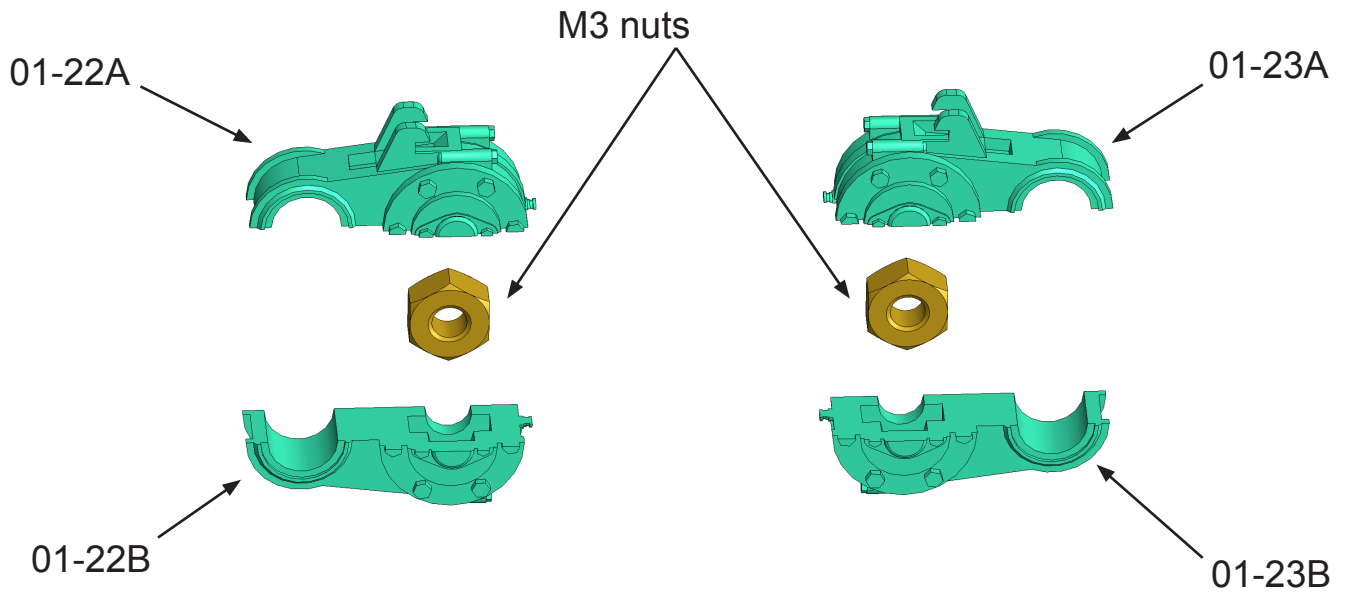
Attach parts 01-21 and right springs.
Use an M2x16 screws and M2 nuts.
Make sure that the parts 01-21 rotate freely, but without much play.

Assembly 01 - Chassis



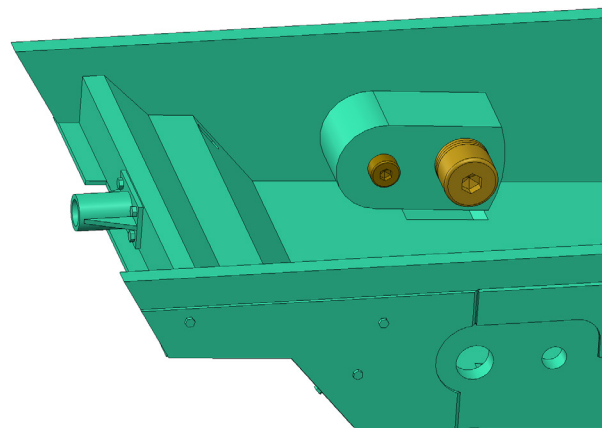
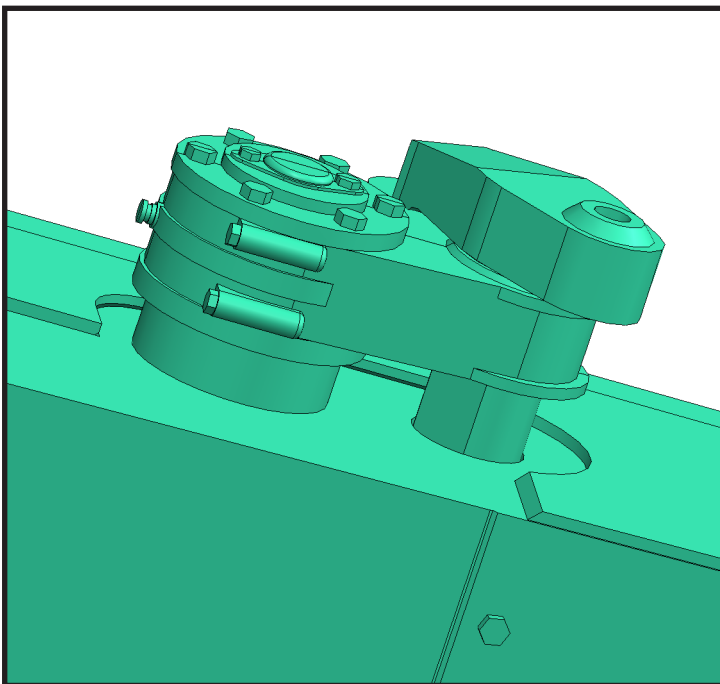
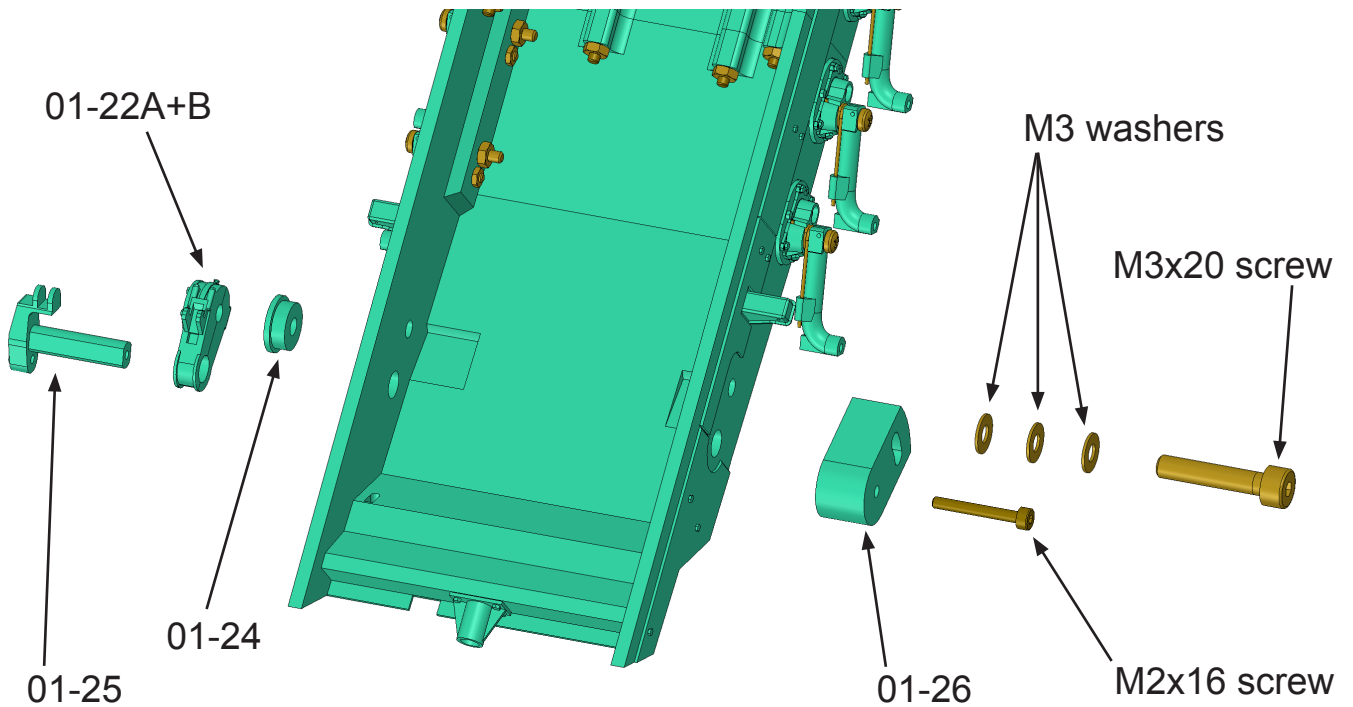
Auxiliary views for installation of parts 01-21.

Assembly 01 - Chassis



Insert M3 nut between parts 01-22A and 01-22B.
Glue the parts together.
Repeat the procedure with parts 01-23A and 01-23B.

Assembly 01 - Chassis



Assemble the left track tensioner.

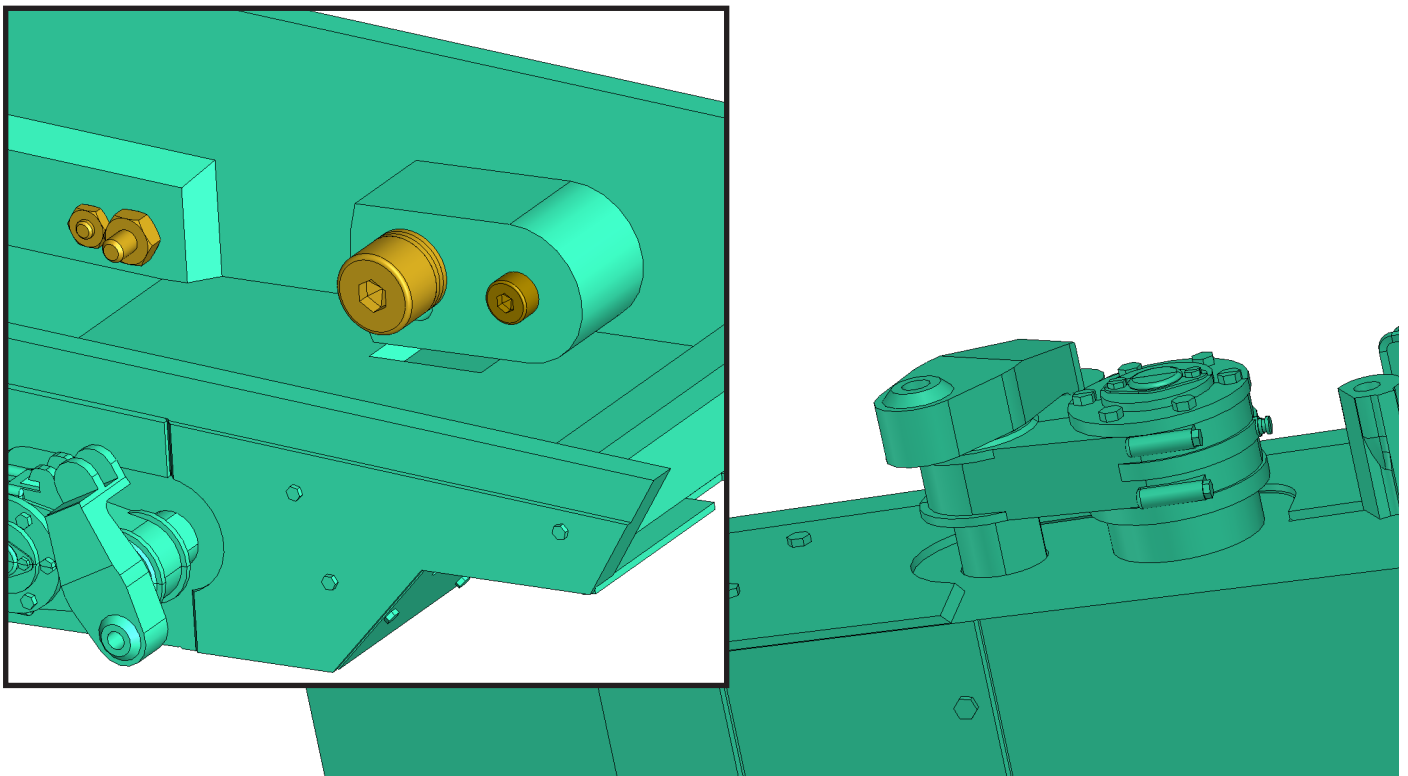
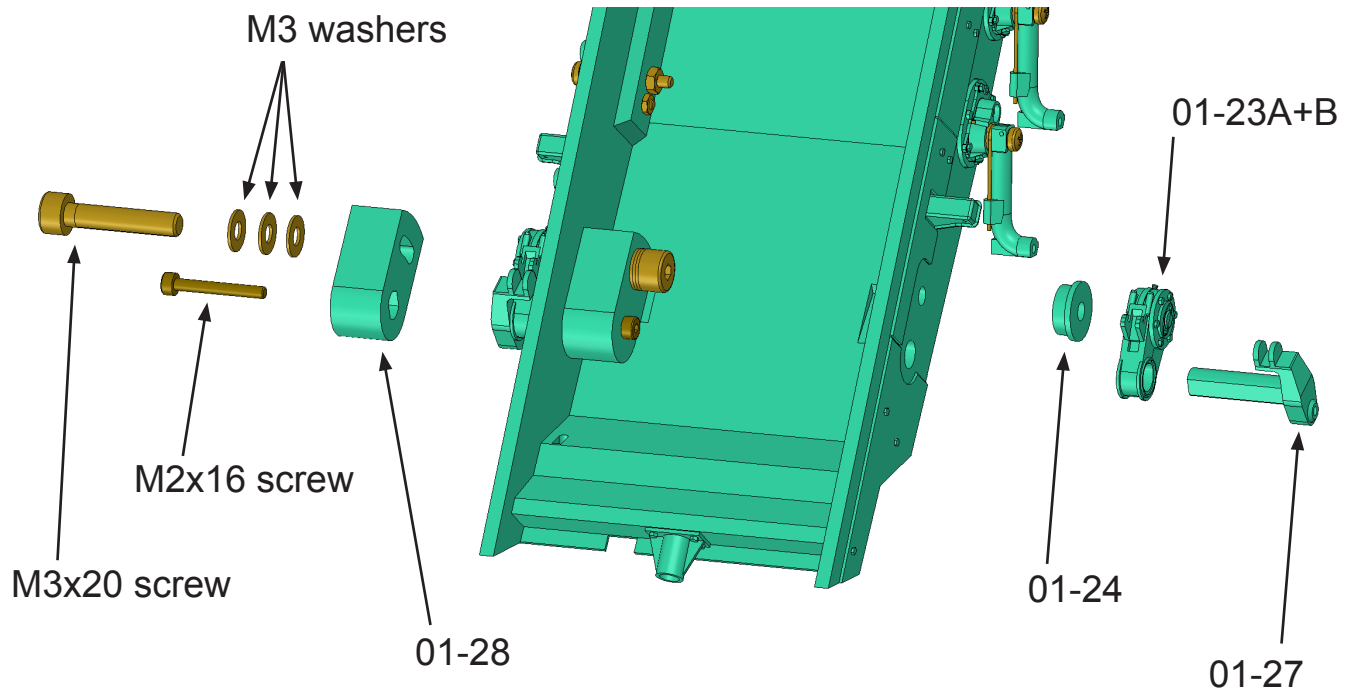
Insert part 01-25 into part 01-22A+B.

Use the M2x16 screw to connect parts 01-25 and 01-26.

Then use an M3x20 screw to connect parts 01-26, 01-24 and 01-22A+B.

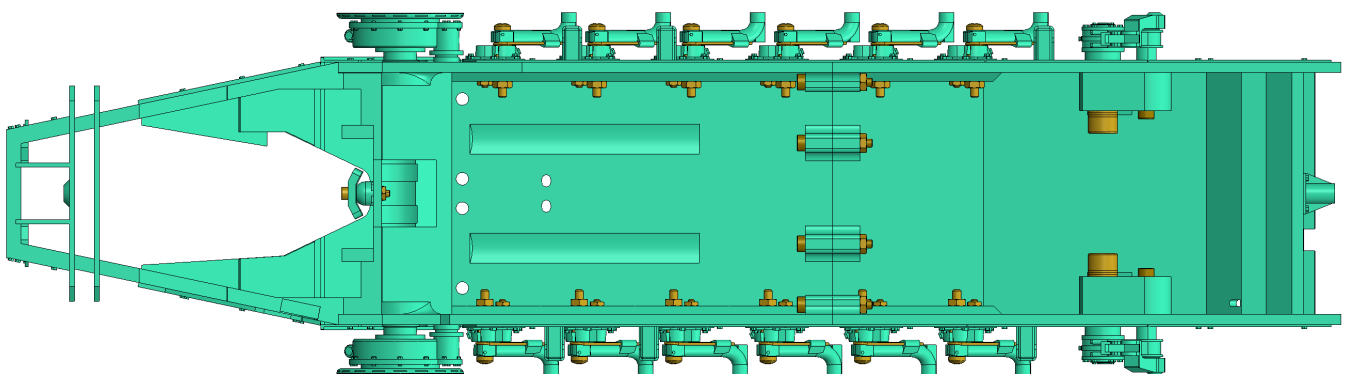
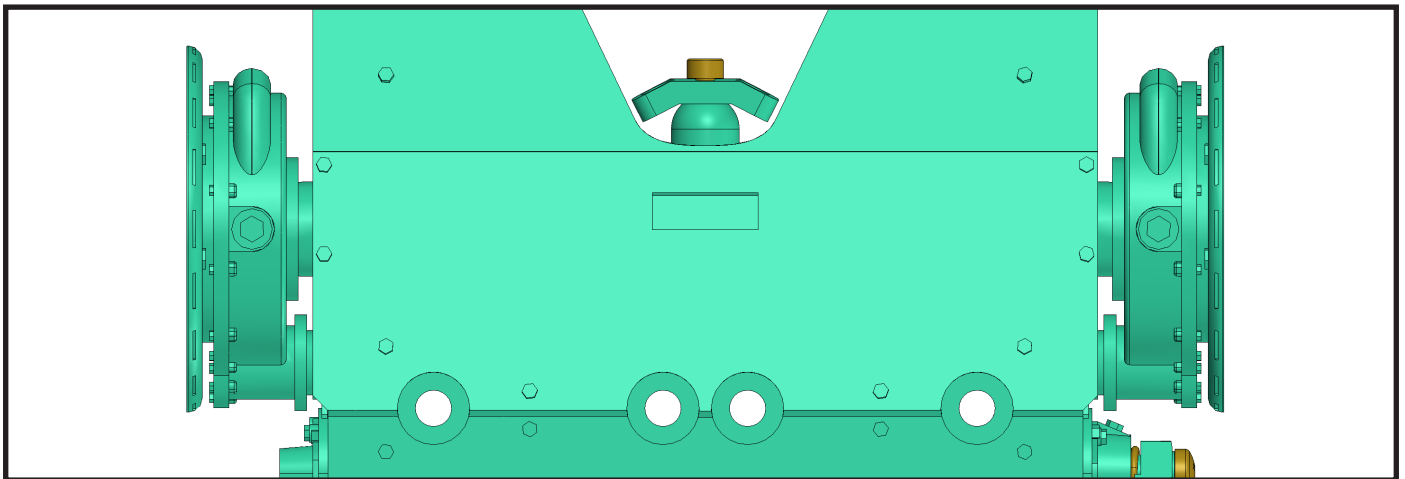
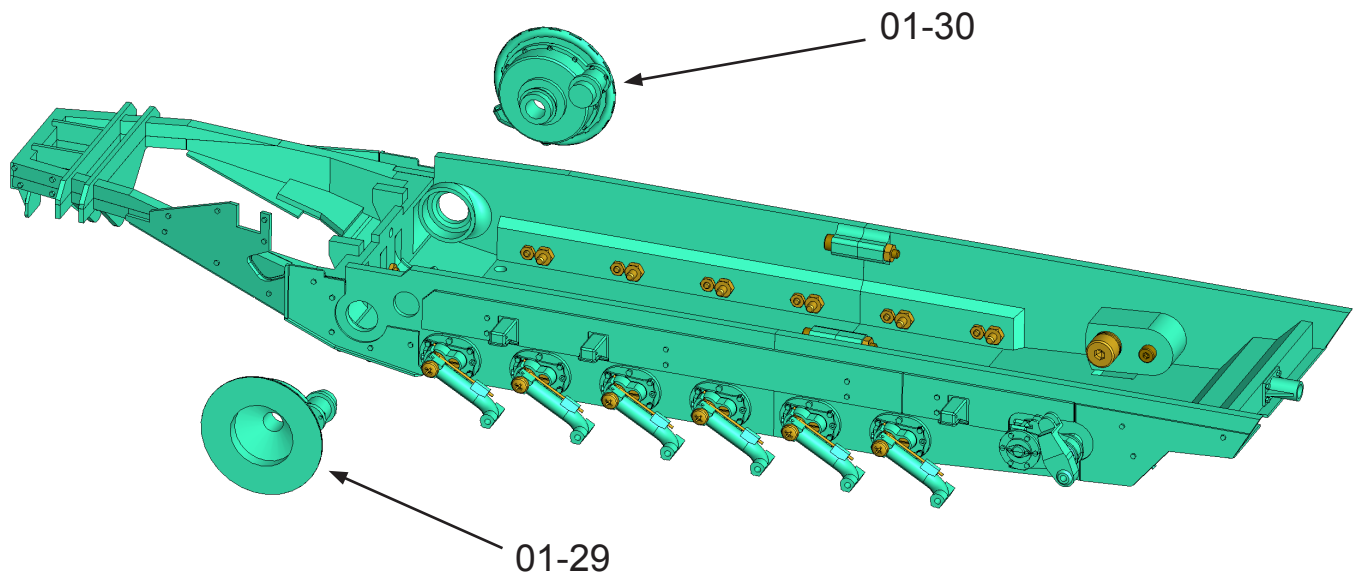
The tensioners are adjusted by loosening the M3 bolt and adjusting the correct track tension.

Assembly 01 - Chassis



Assemble the right track tensioner.
The procedure is the same as on the left side.
Insert part 01-27 into part 01-23A+B.
Use the M2x16 screw to connect parts 01-27 and 01-28.
Then use an M3x20 screw to connect parts 01-28, 01-24 and 01-23A+B.

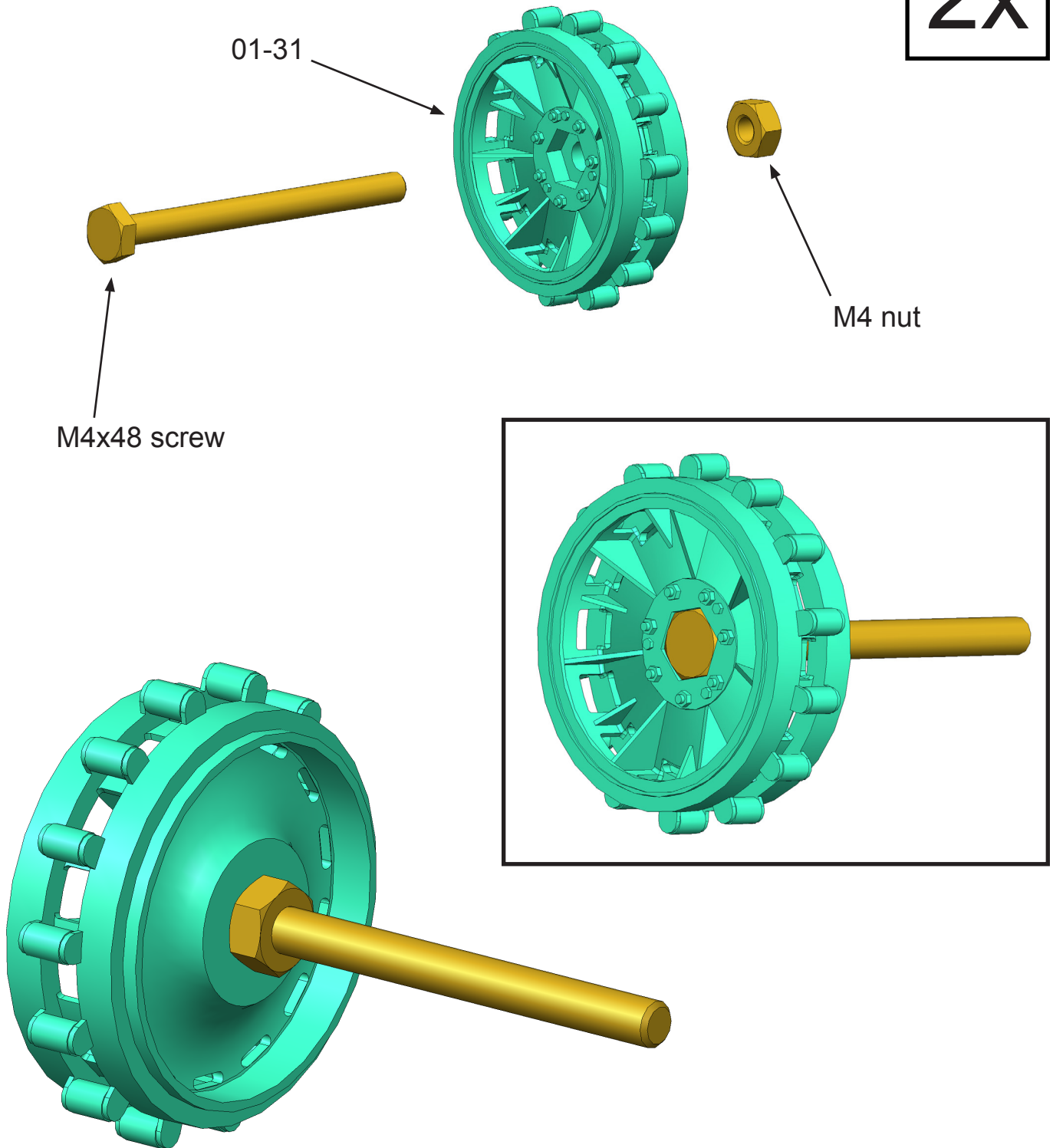
Assembly 01 - Chassis



Glue parts 01-29 and 01-30.

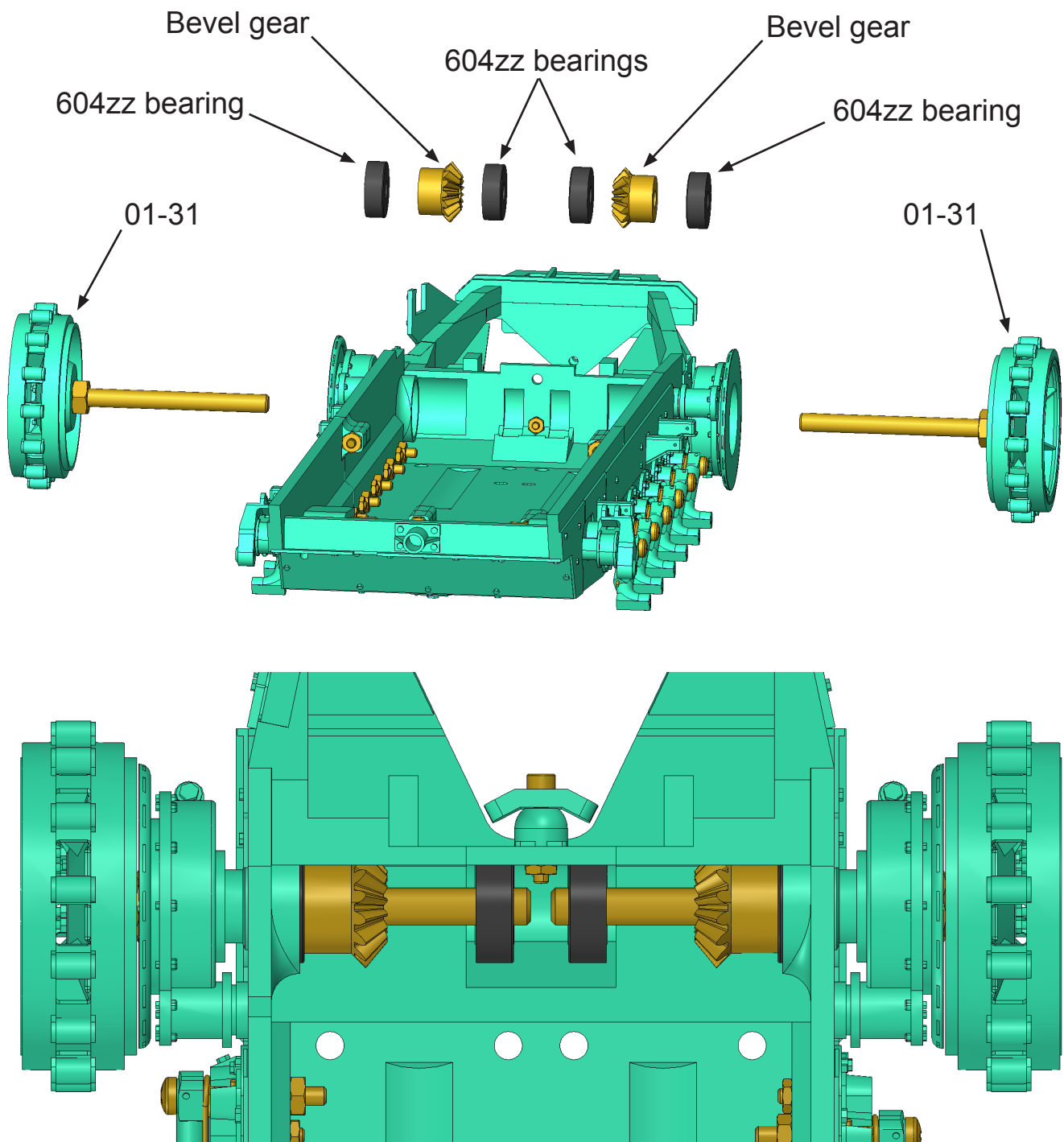
Assembly 01 - Chassis

2x



Insert the M4x48mm screw into part 01-31.
Secure with the nut.

Assembly 01 - Chassis



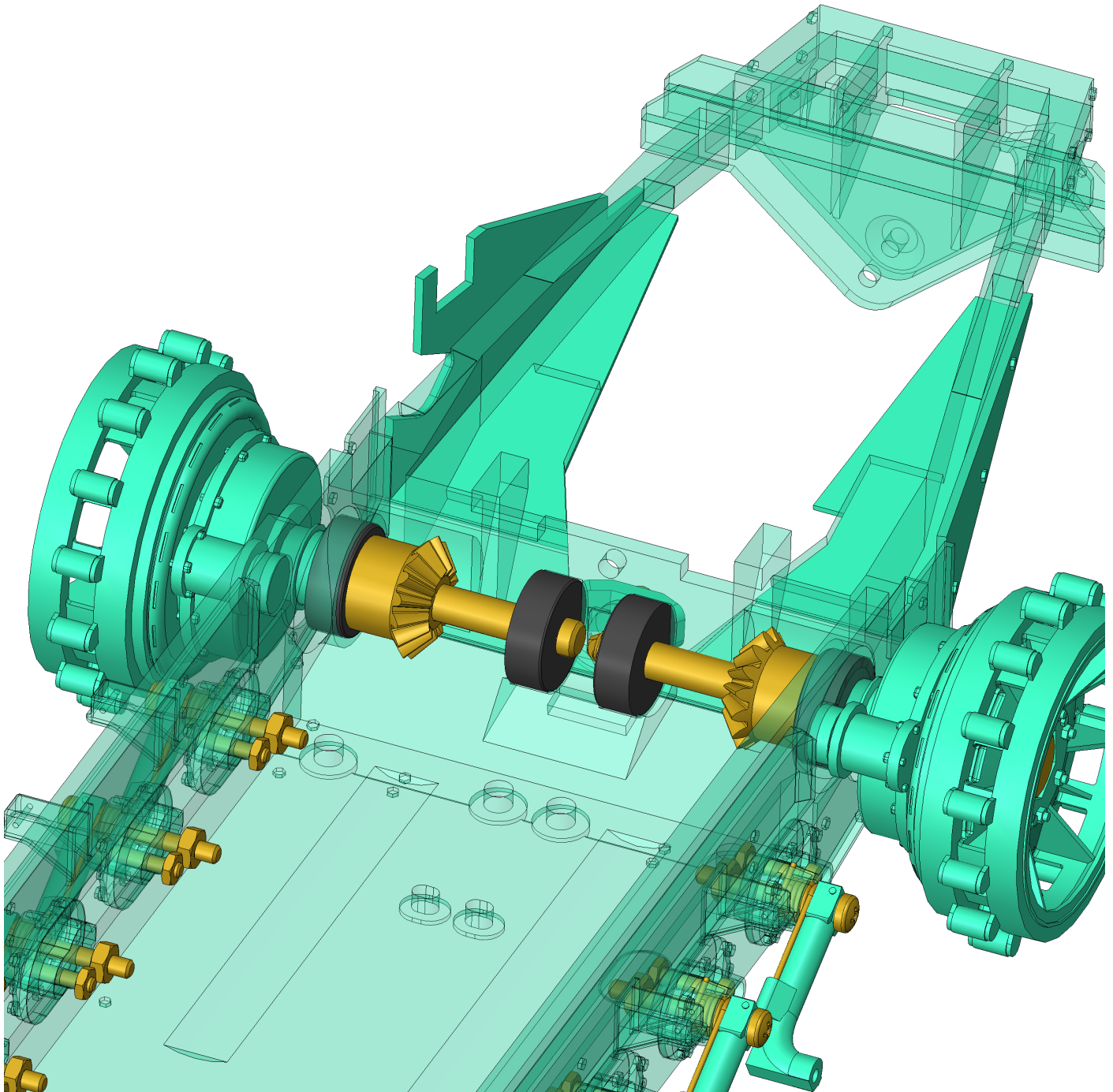
Insert 01-31 parts assemblies, 604zz bearings and bevel gears.
Grub screws in the bevel gears secure the position of the entire wheel.

Do not tighten them too tightly yet.

Once the tracks are in place and the position is fine-tuned,
tighten them as hard as you can.

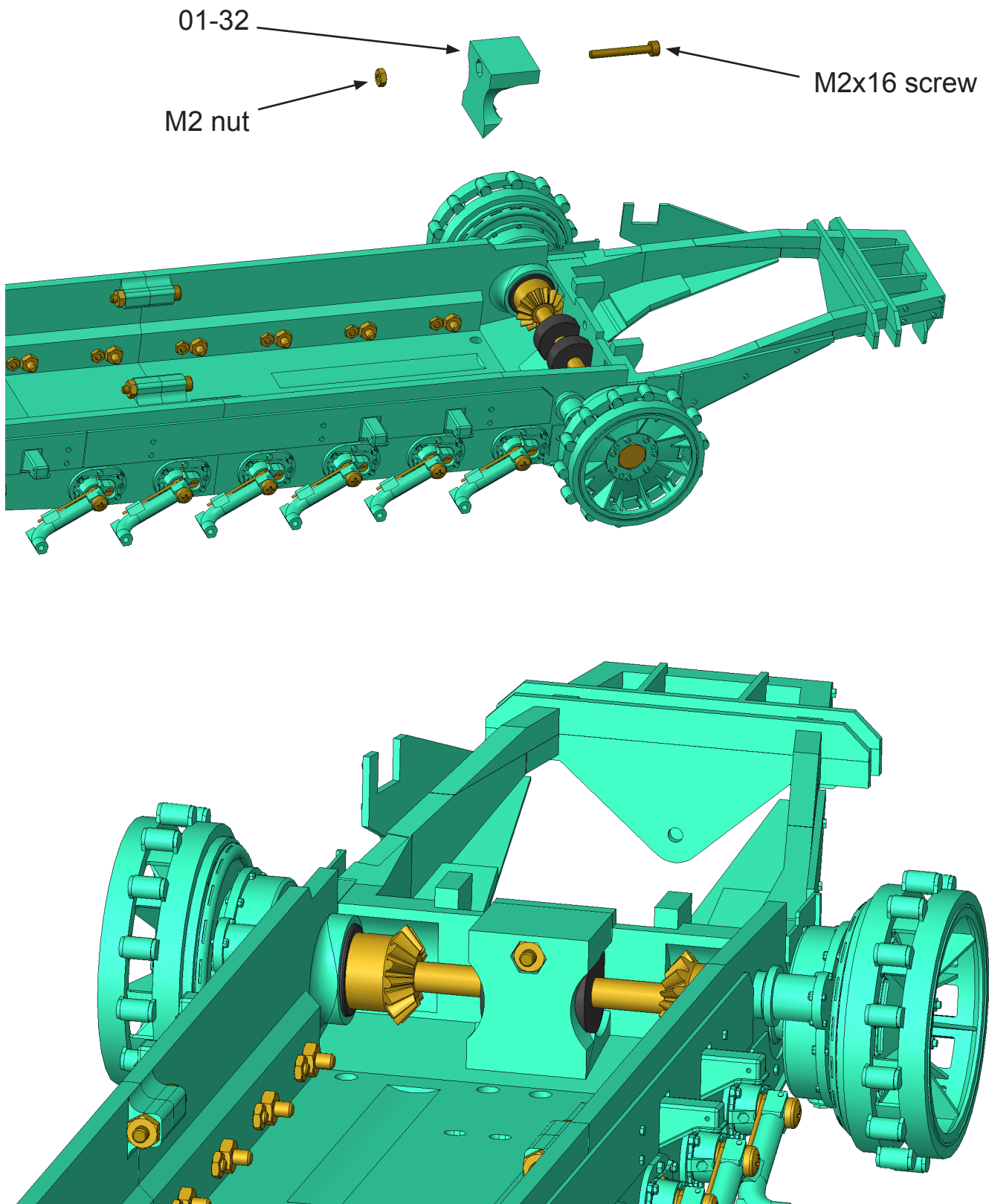
We recommend using a blue thread-locker.

Assembly 01 - Chassis



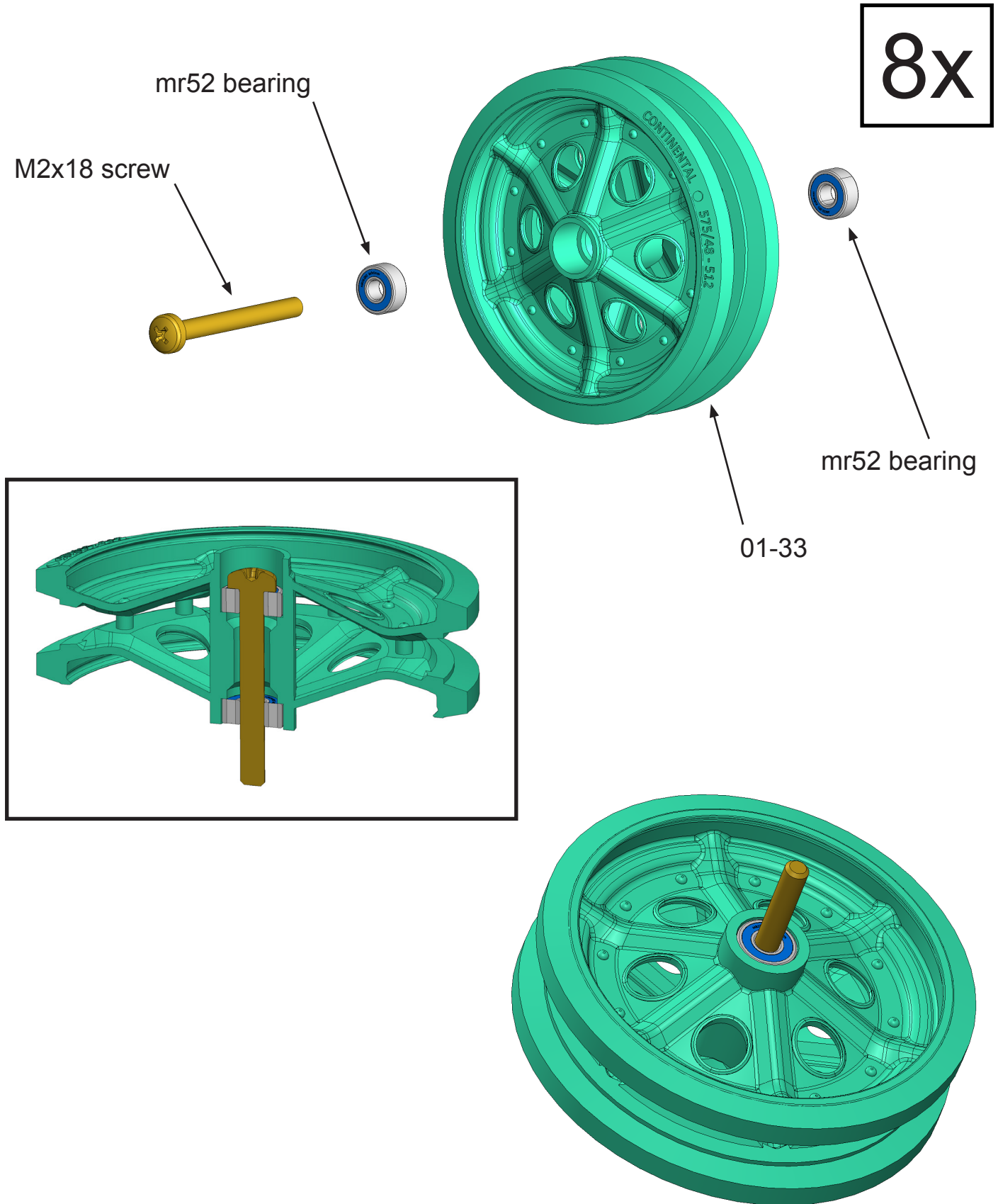
Auxiliary view for installation of parts 01-31.

Assembly 01 - Chassis



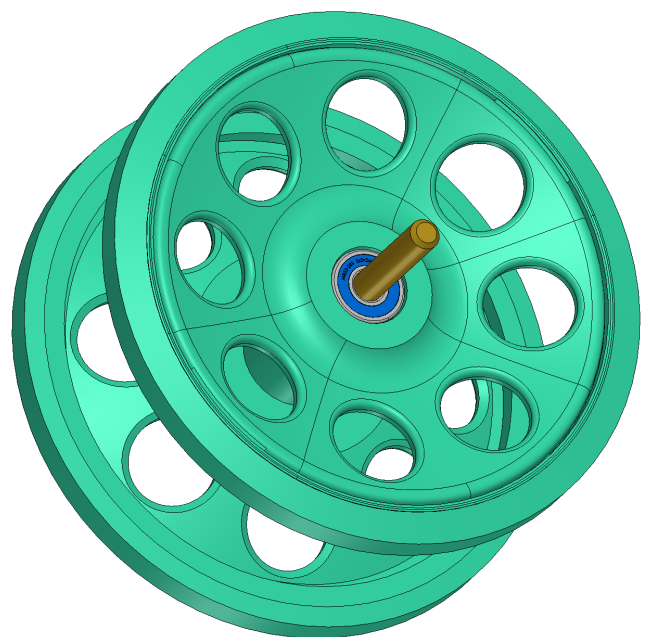
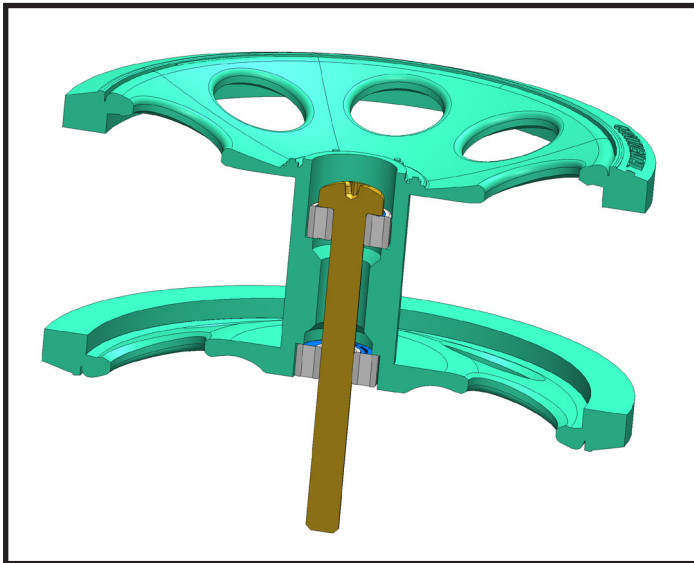
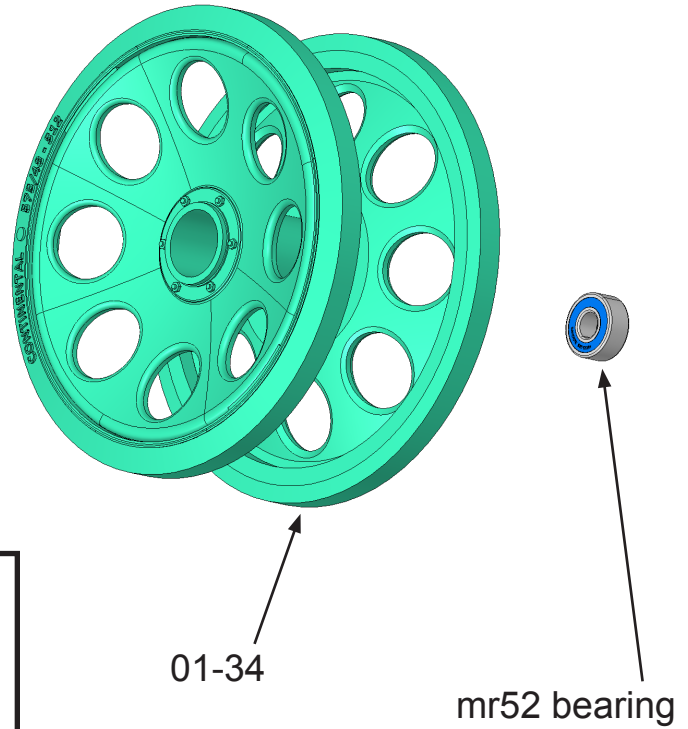
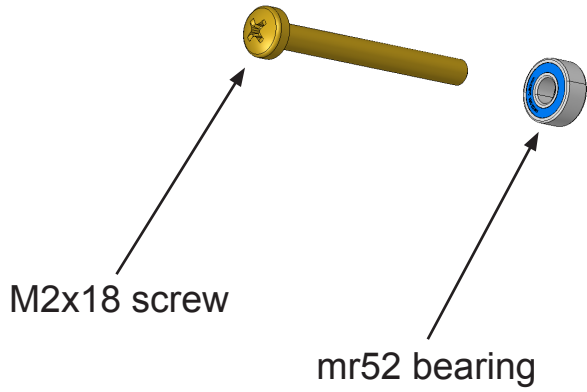
Lock the drive shaft with part 01-32. Use M2x16 screw and M2 nut.

Assembly 01 - Chassis



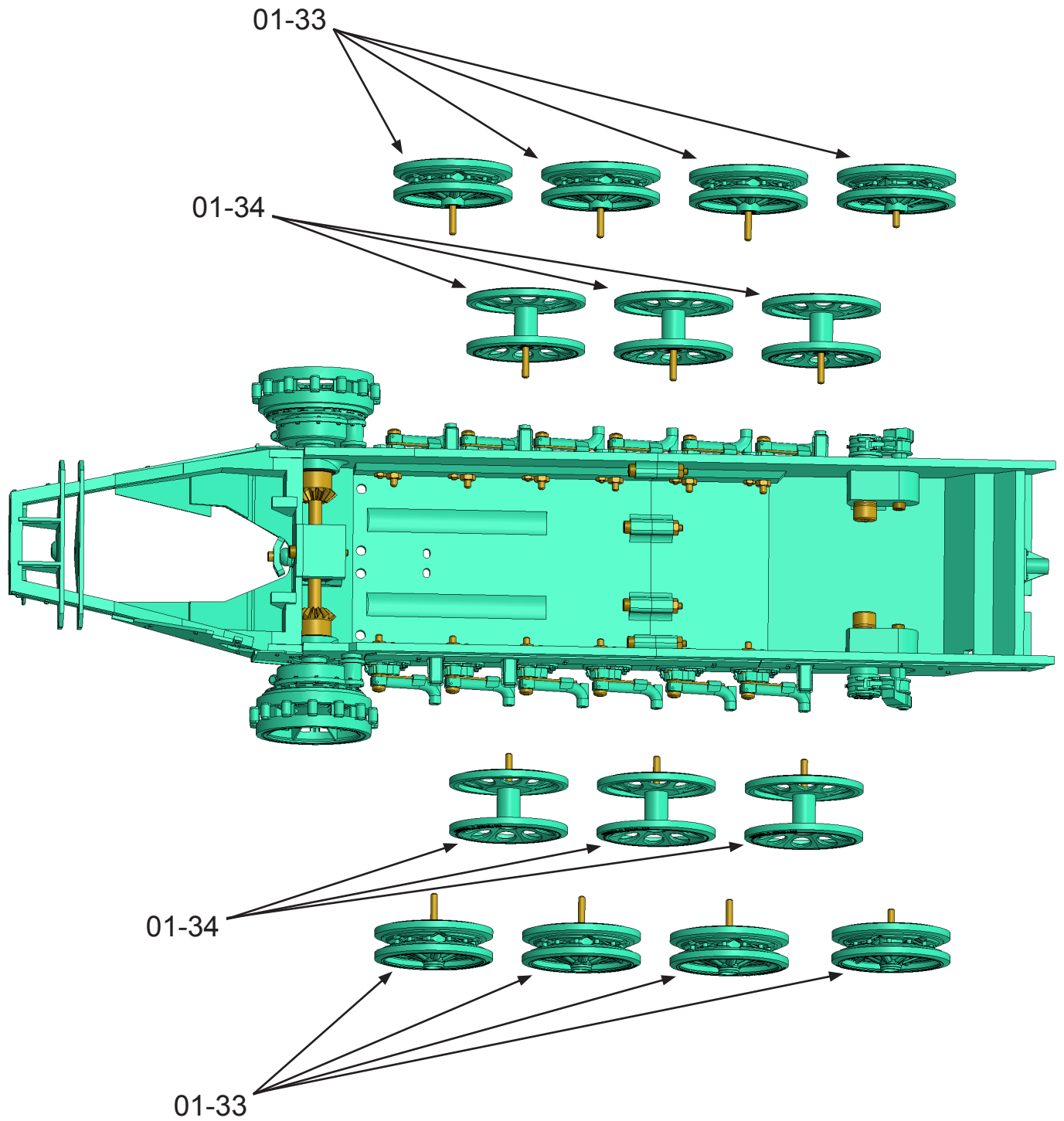
Insert two mr52 bearings and M2x18 screw into part 01-33.

Assembly 01 - Chassis

6x

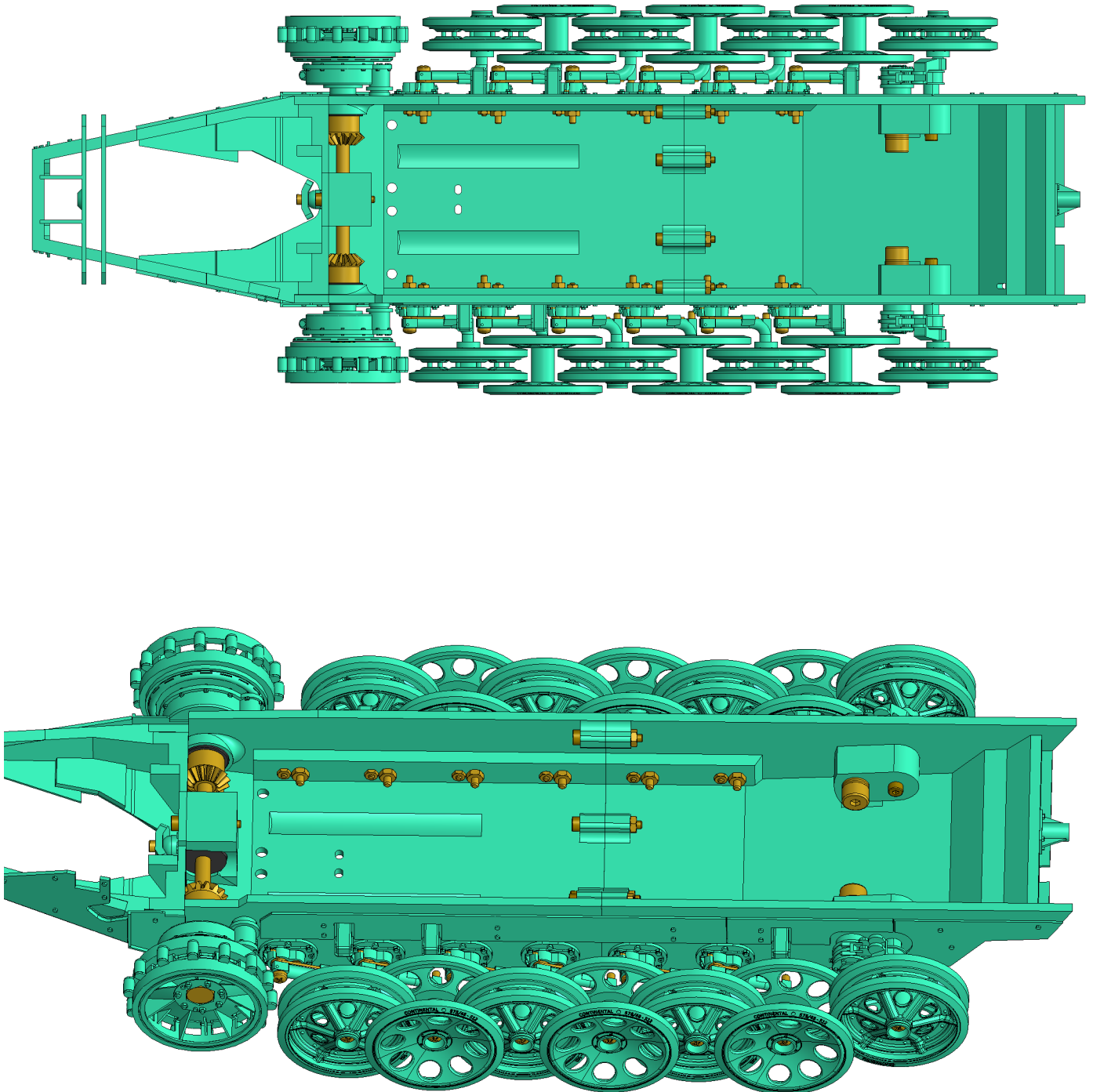
Insert two mr52 bearings and M2x18 screw into part 01-34.

Assembly 01 - Chassis



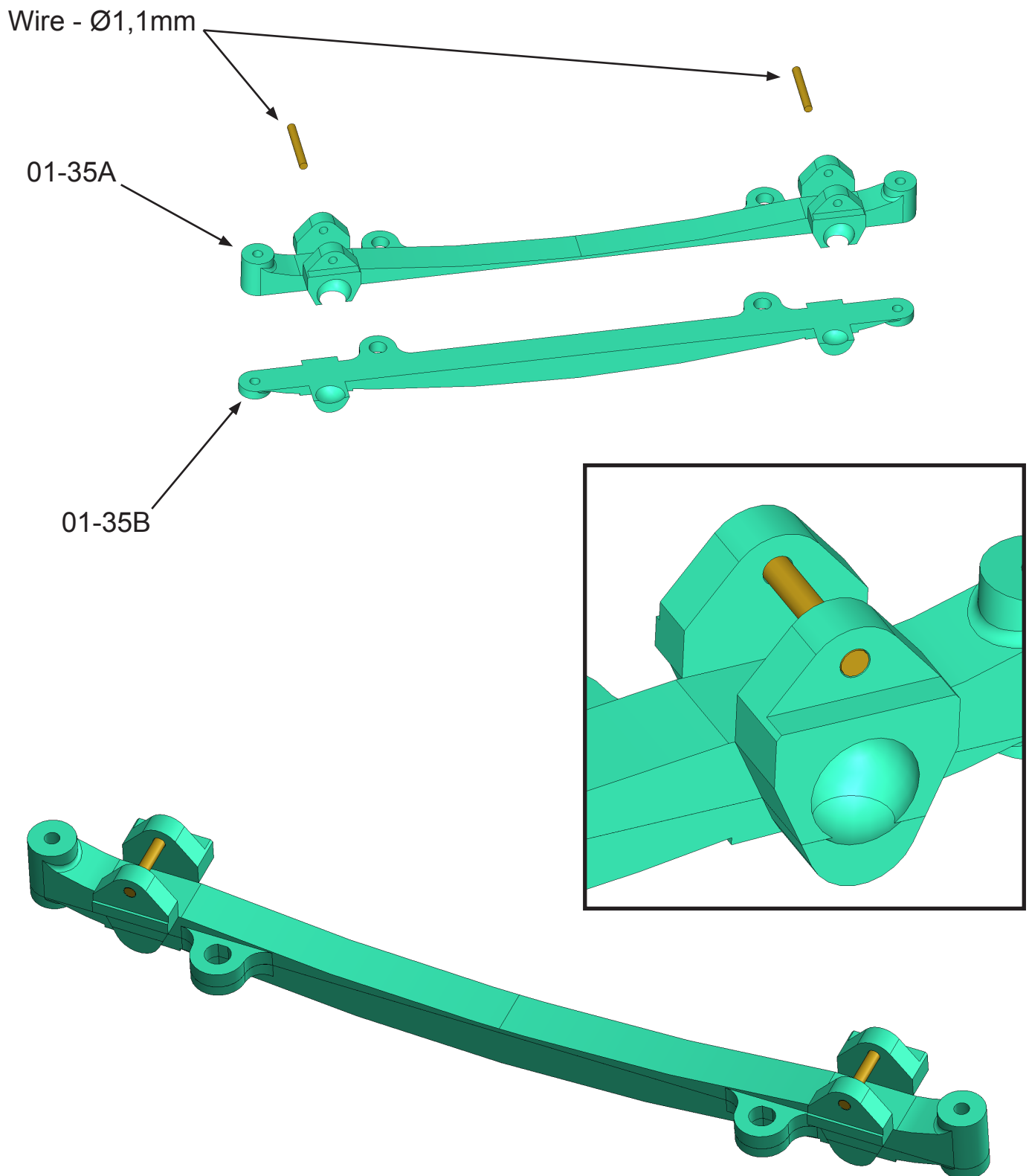
Attach prepared wheels to the hull.

Assembly 01 - Chassis



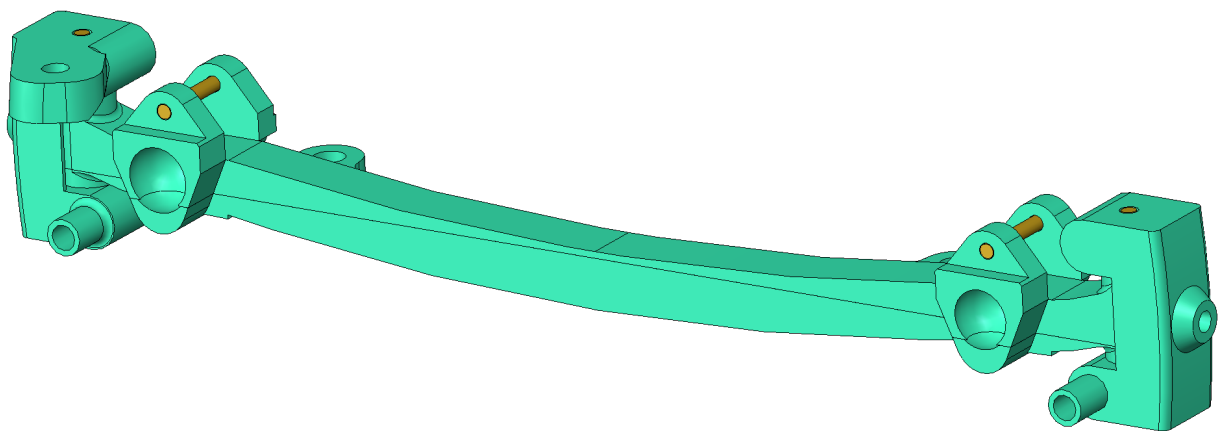
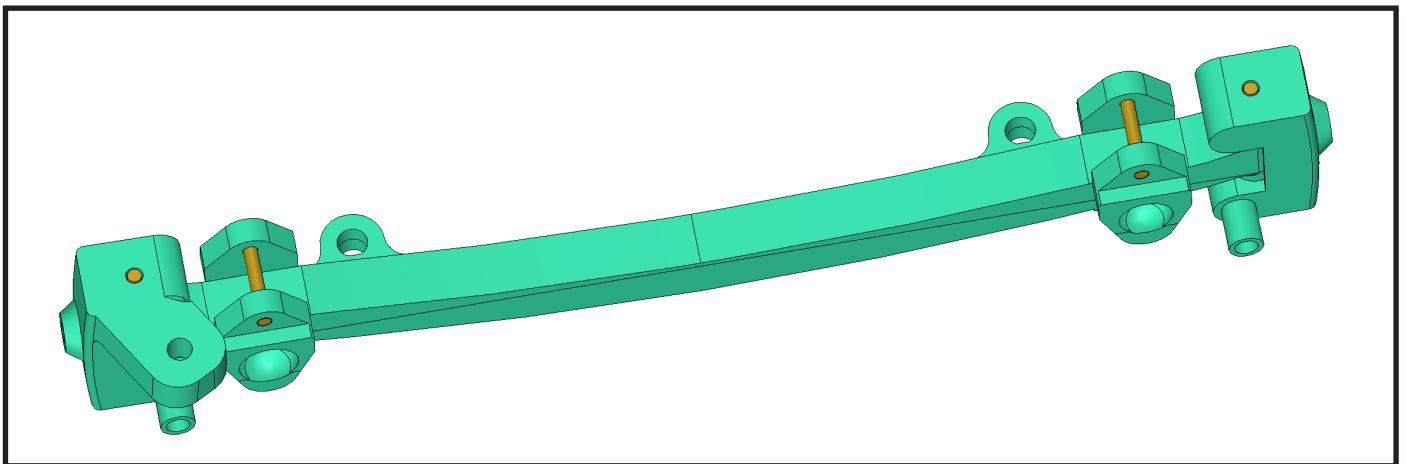
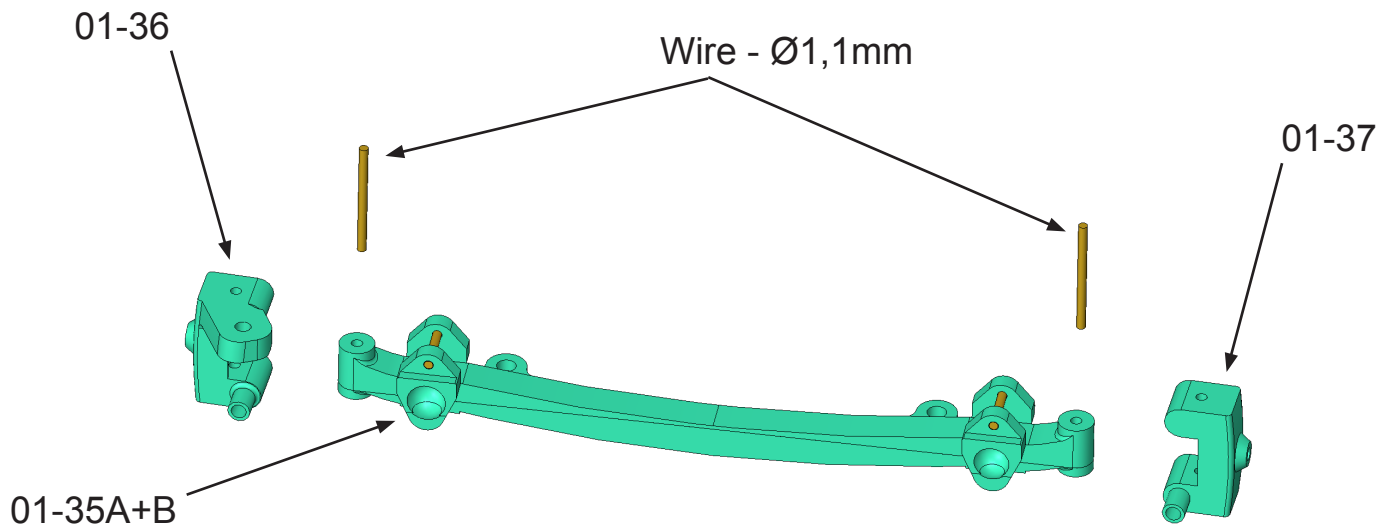
Auxiliary views for installation of parts 01-33 and 01-34.

Assembly 01 - Chassis



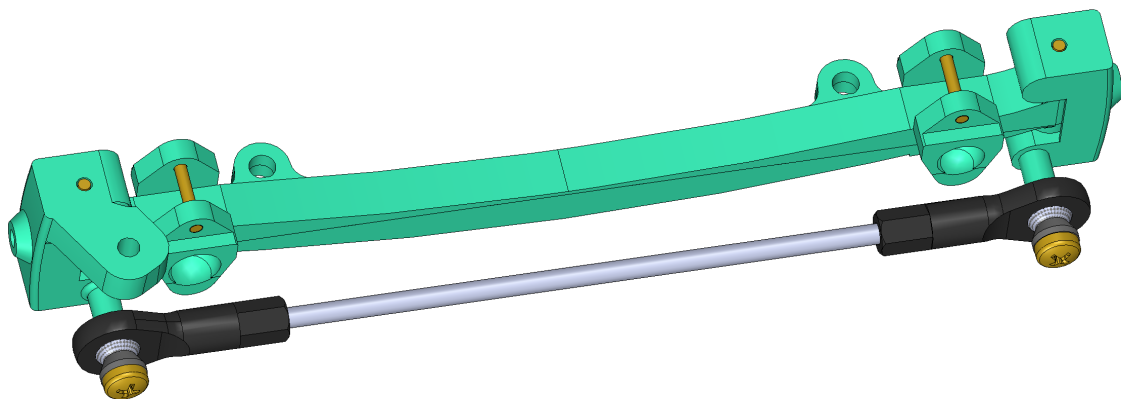
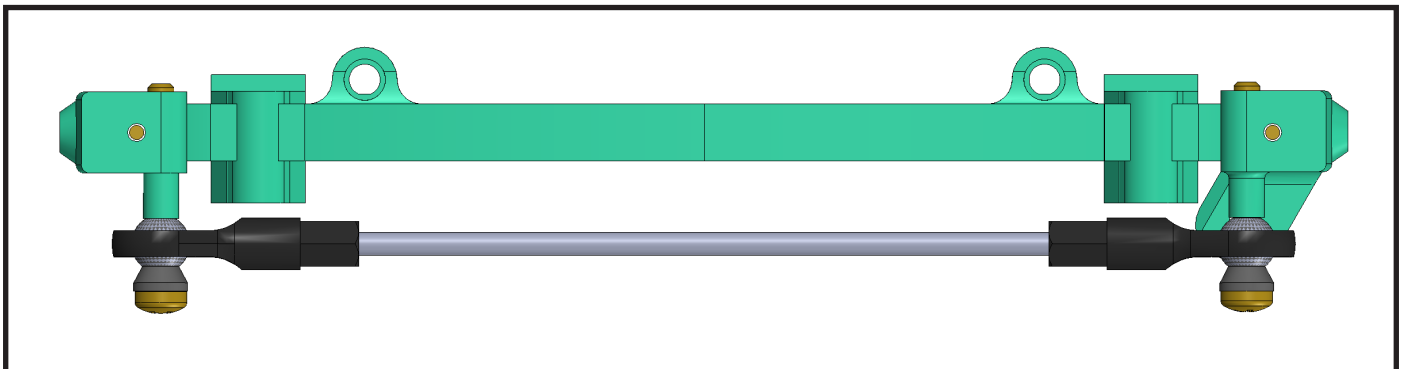
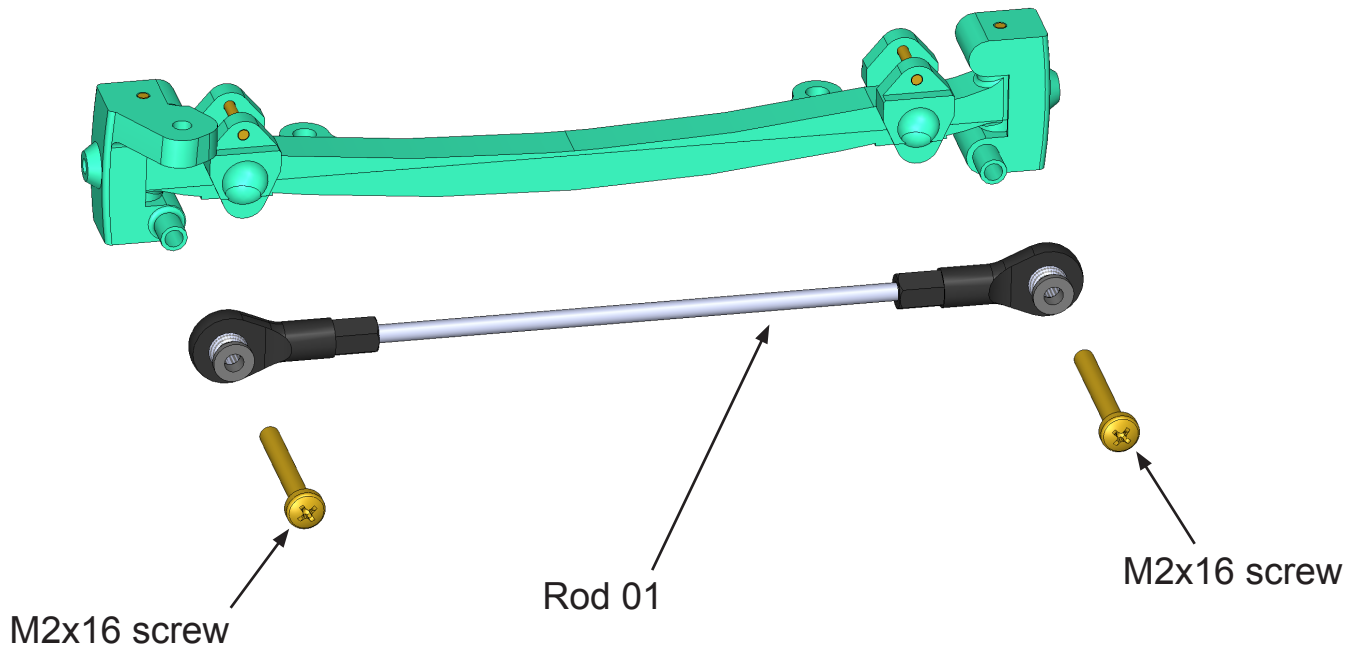
Glue parts 01-35A and 01-35B.
Insert a wire with a diameter of 1.1mm.
Secure the wire with glue.

Assembly 01 - Chassis



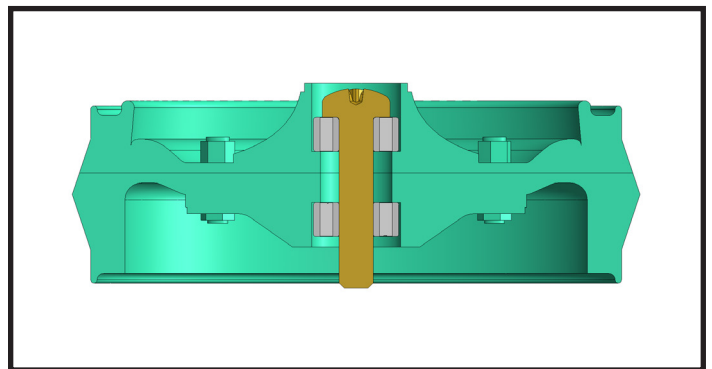
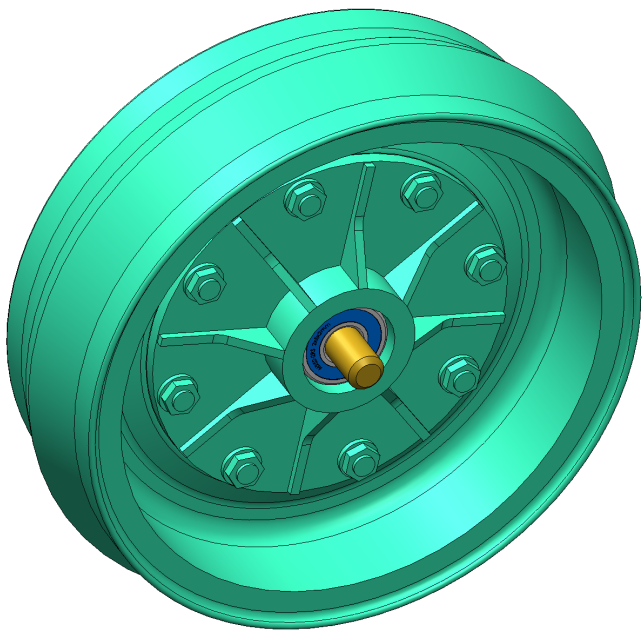
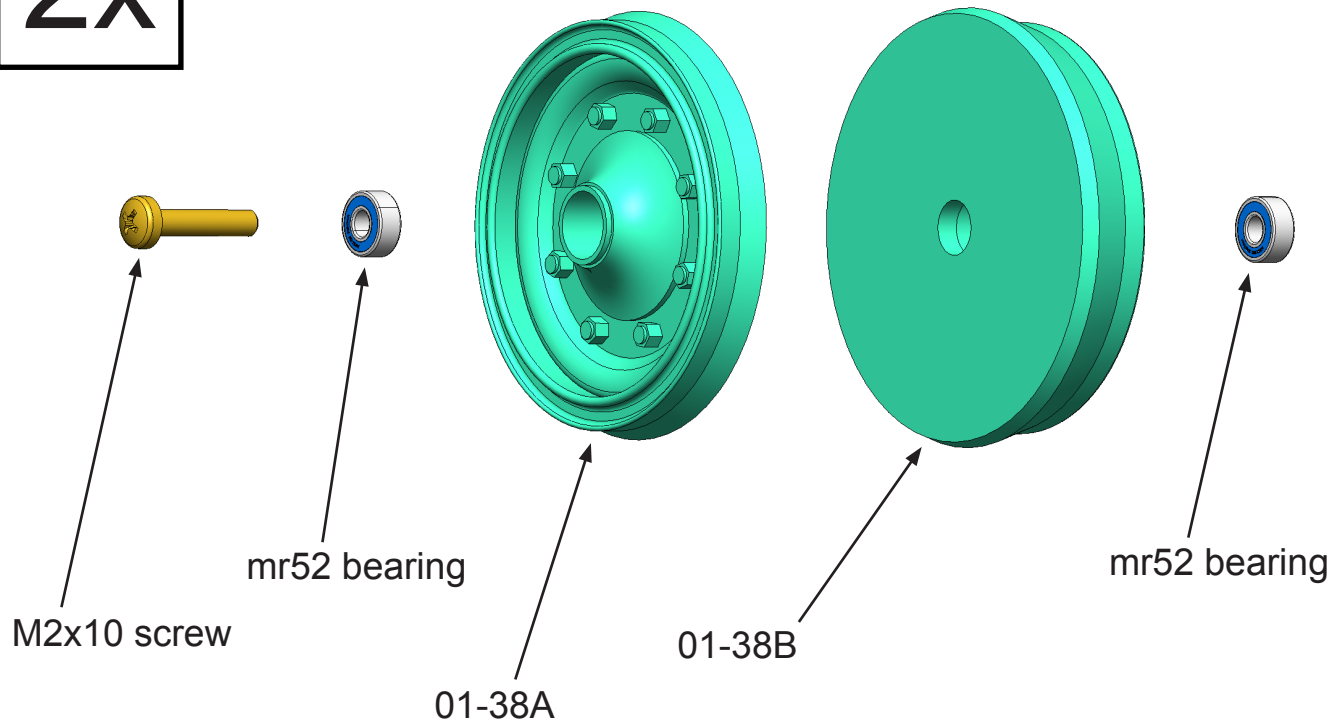
Attach parts 01-36 and 01-37. Use wire with a diameter of 1.1mm.
Secure the ends of the wire with glue.
Make sure that the parts rotate freely.

Assembly 01 - Chassis



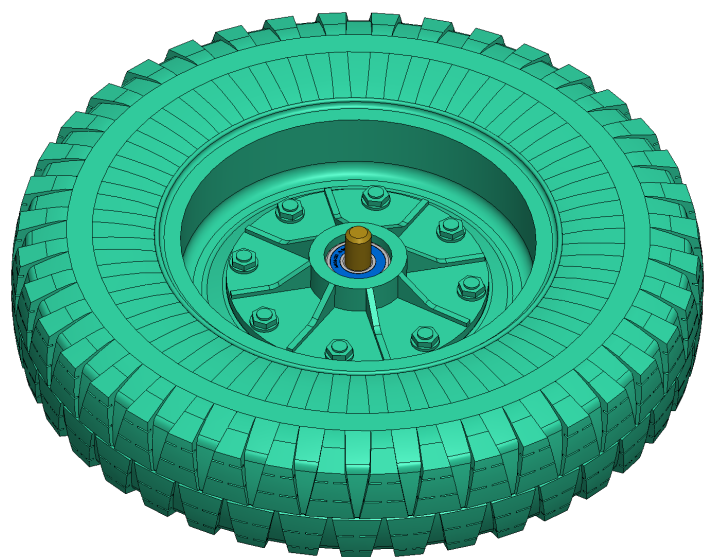
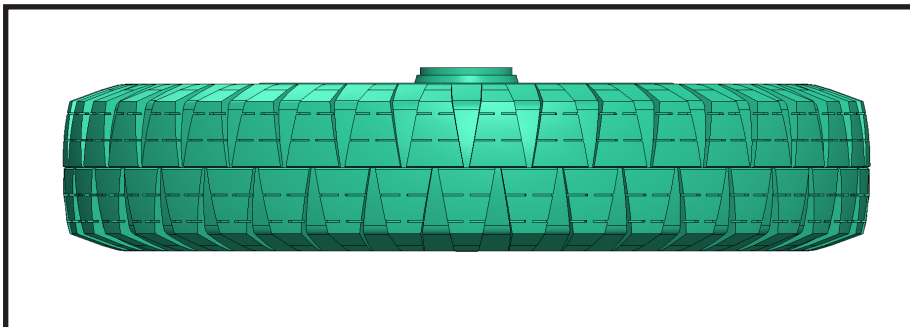
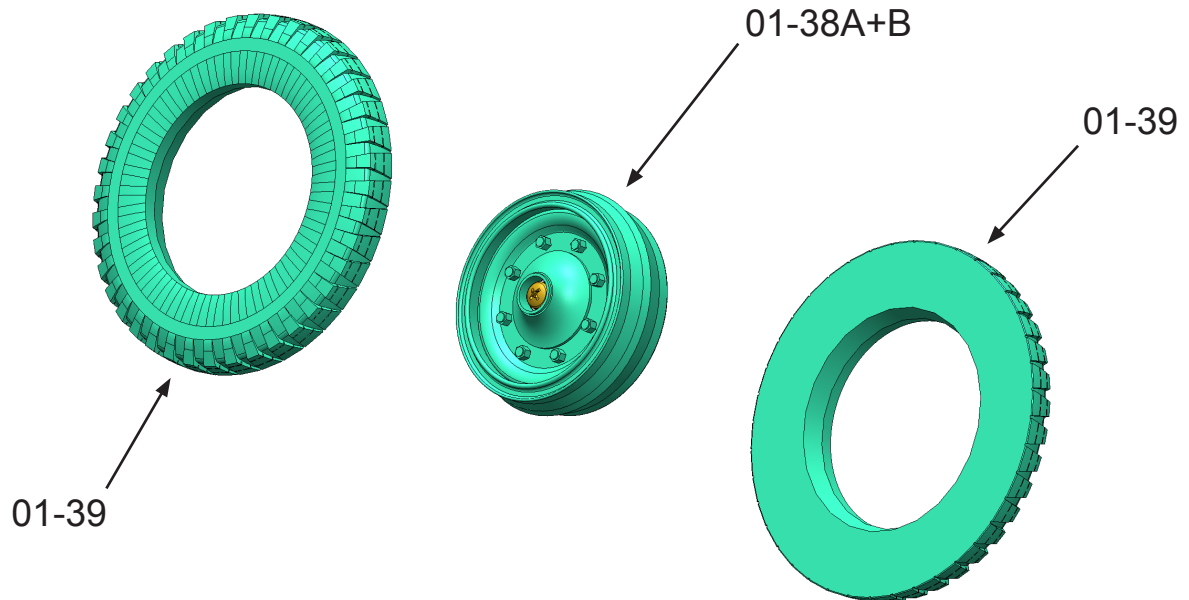
Attach part "Rod 01". Use two M2x16 screws.
If necessary, adjust the length of part "Rod 01"
so that parts 01-36 and 01-37 will be parallel.

Assembly 01 - Chassis

2x

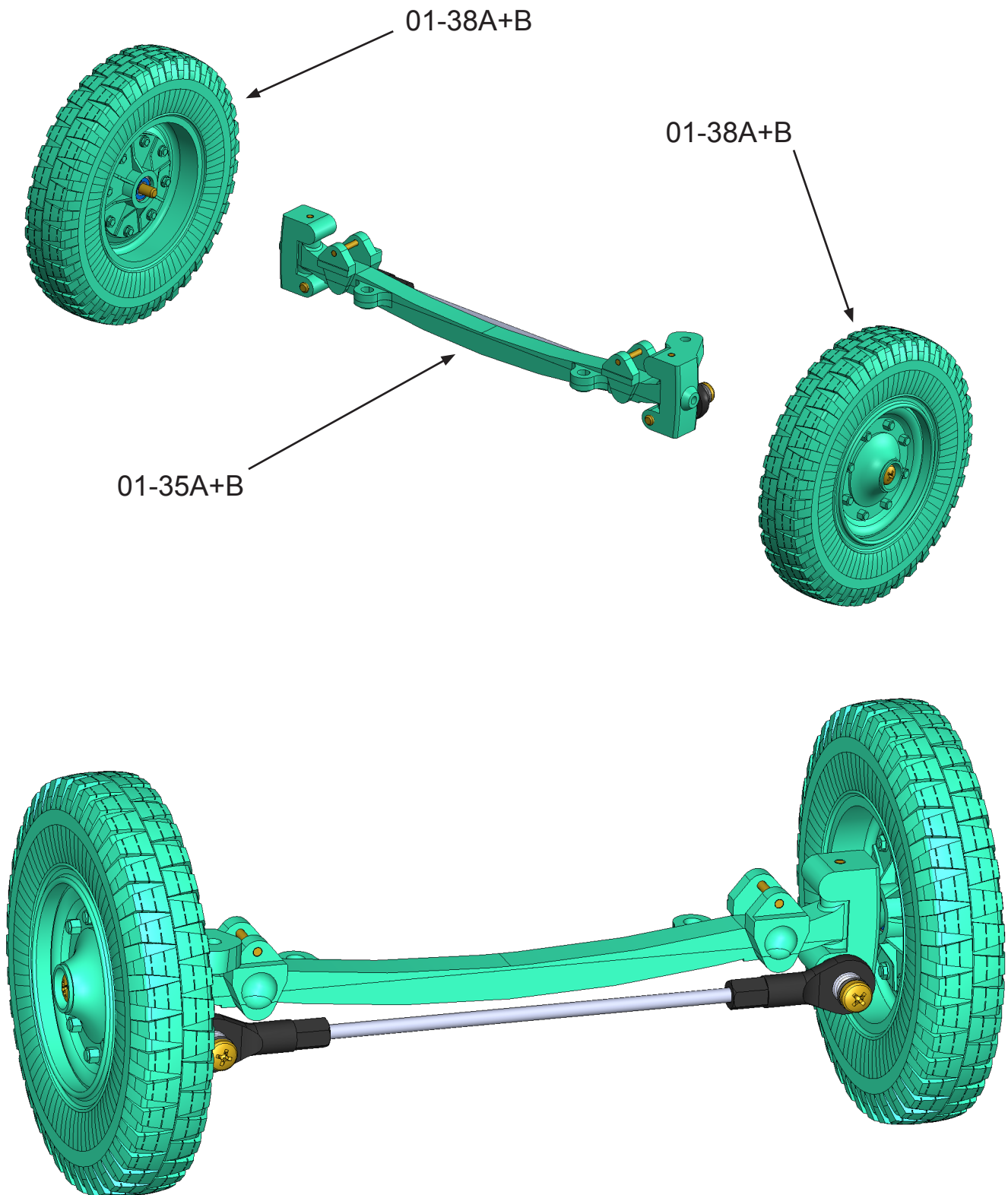
Glue parts 01-38A and 01-38B.
Insert two mr52 bearings and M2x10 screw into part.

Assembly 01 - Chassis



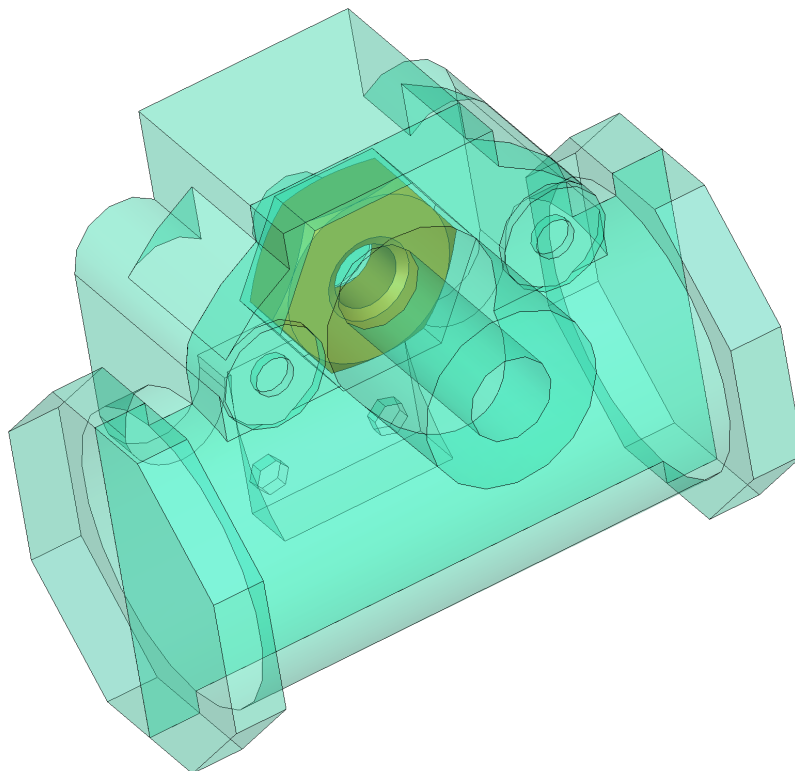
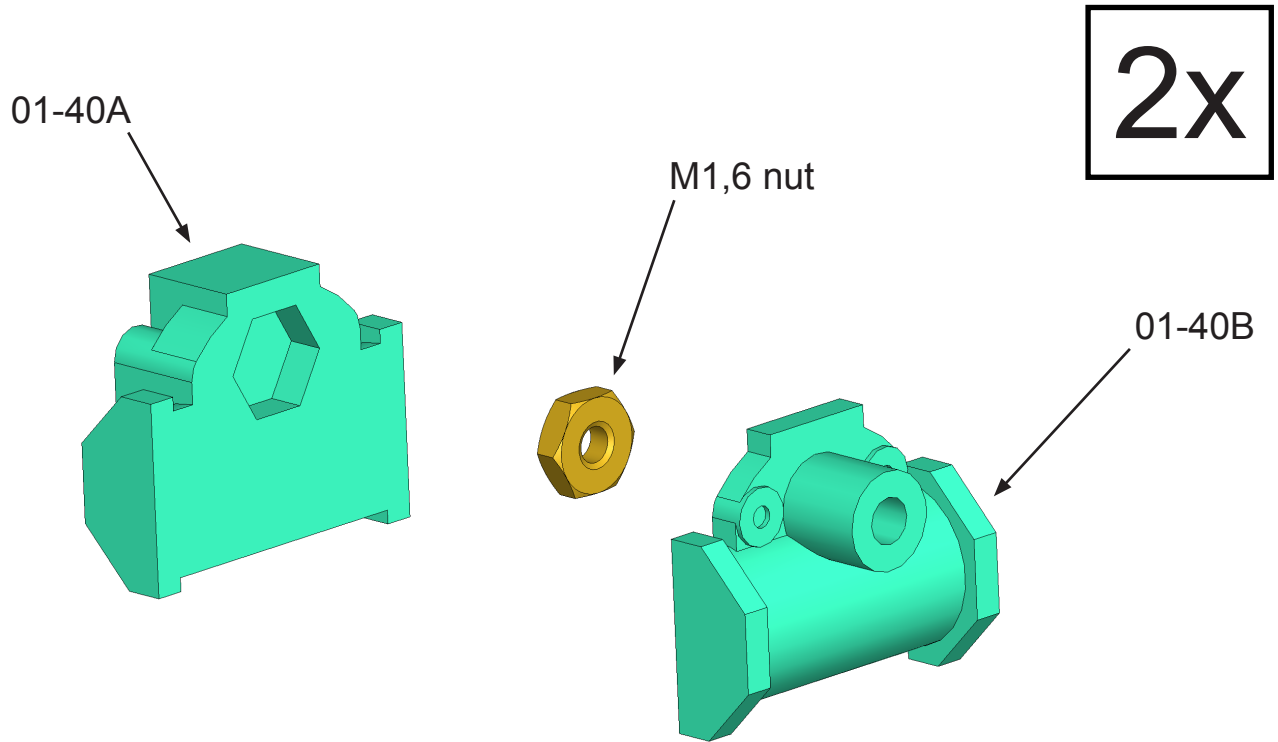
Glue parts 01-39.
It is recommended to paint parts 01-38A+B before this step.

Assembly 01 - Chassis



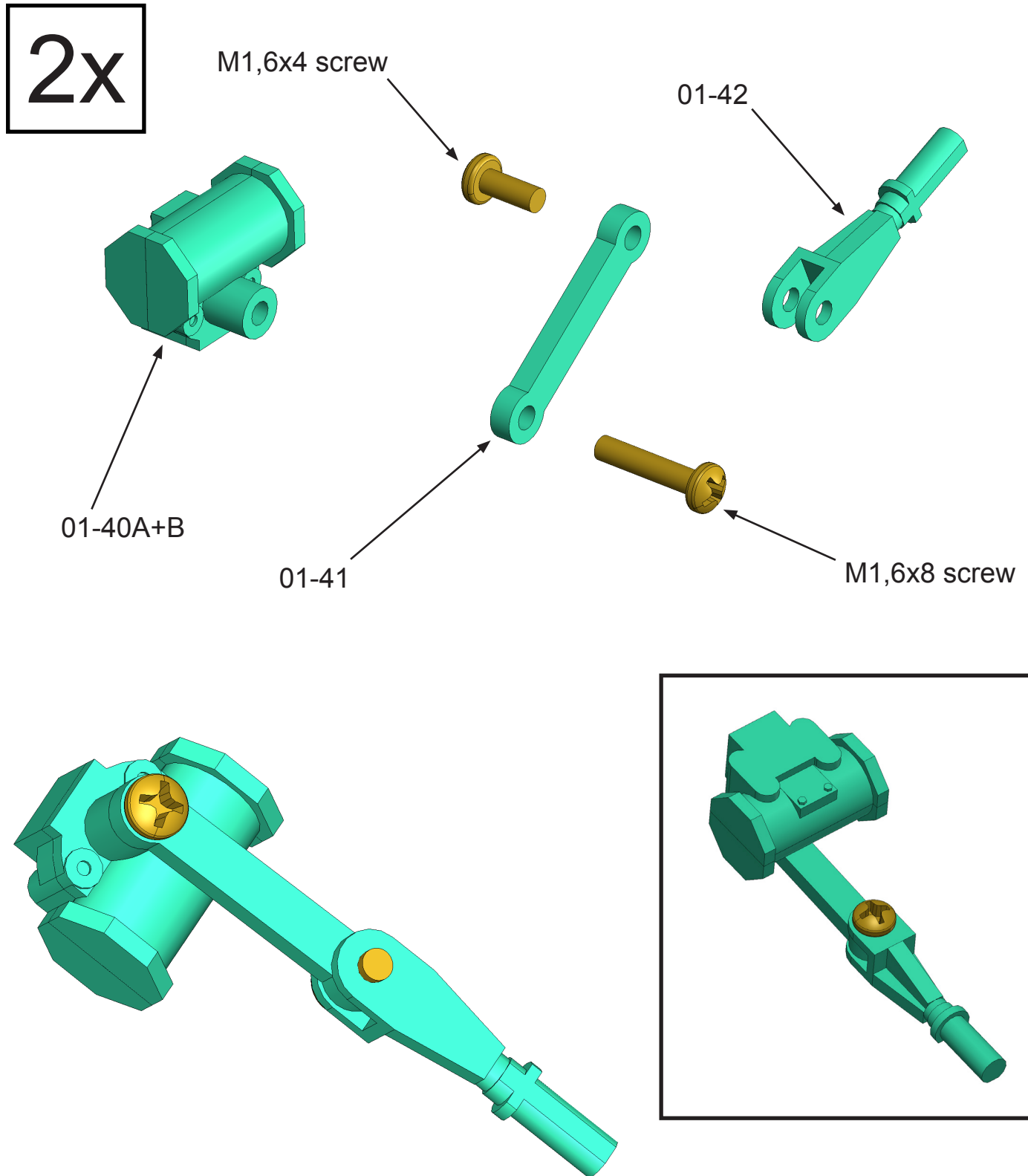
Attach the 01-38A+B parts assembly to the 01-35A+B parts assembly.

Assembly 01 - Chassis



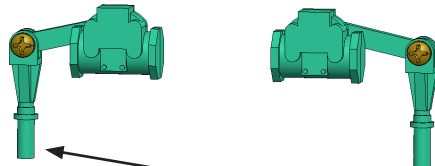
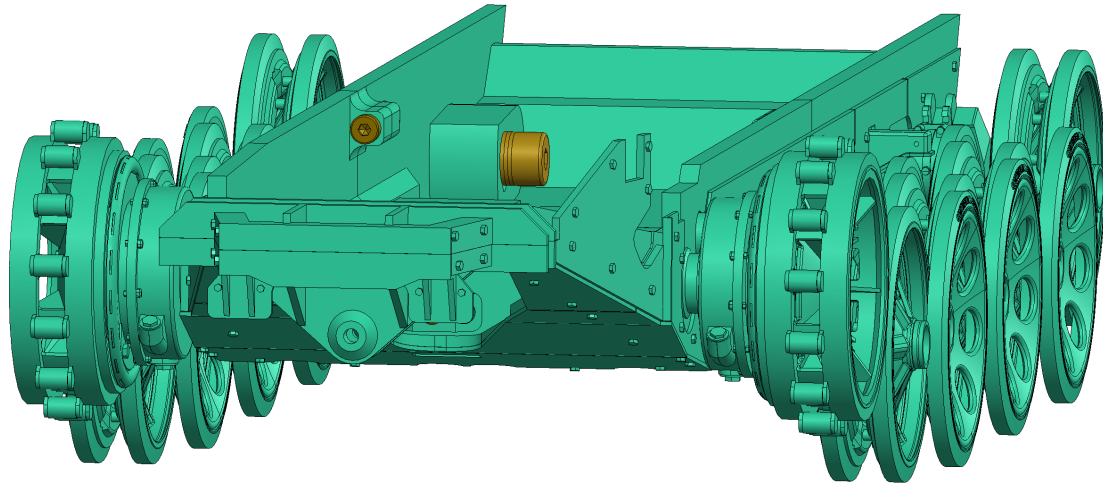
Insert M1,6 nut between parts 01-40A and 01-40B.
Glue the parts together.

Assembly 01 - Chassis

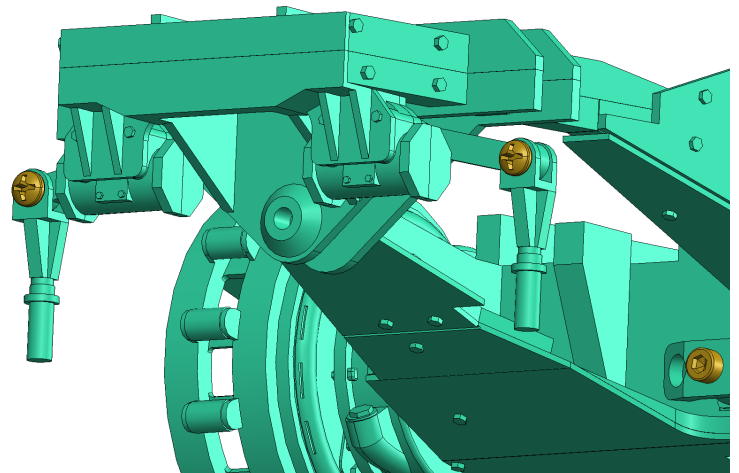
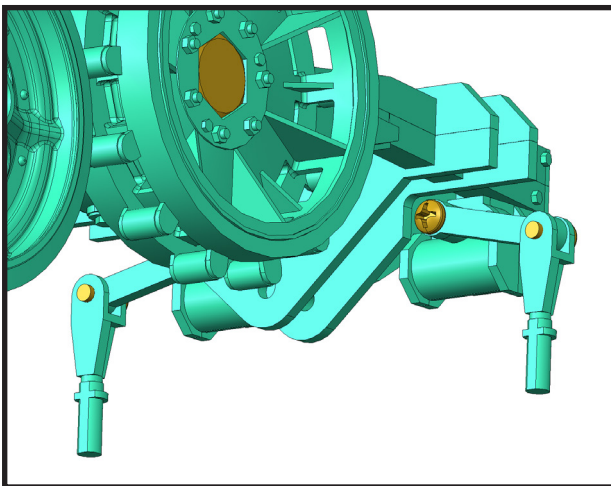


Attach part 01-41. Use an M1,6x8 screw.
Attach part 01-42. Use an M1,6x4 screw.
Fix the end of this screw with a superglue.
Make sure that the parts rotate freely, but without much play.

Assembly 01 - Chassis

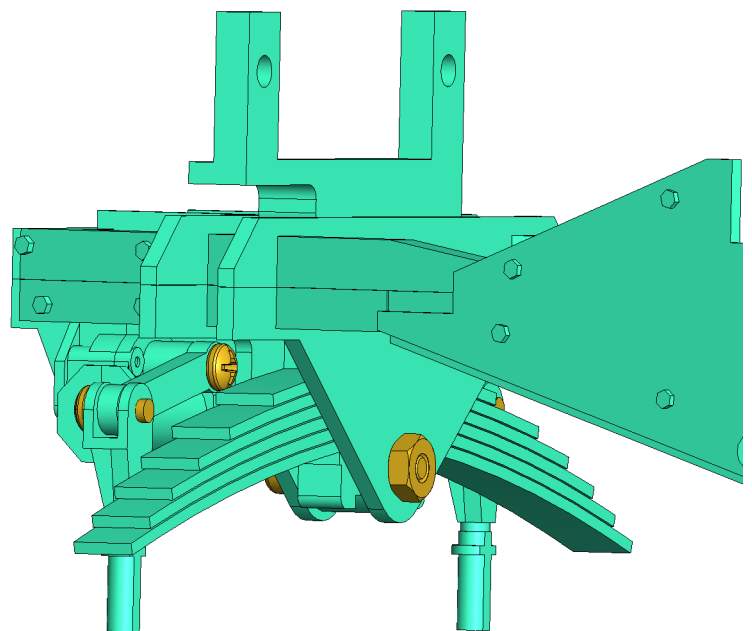
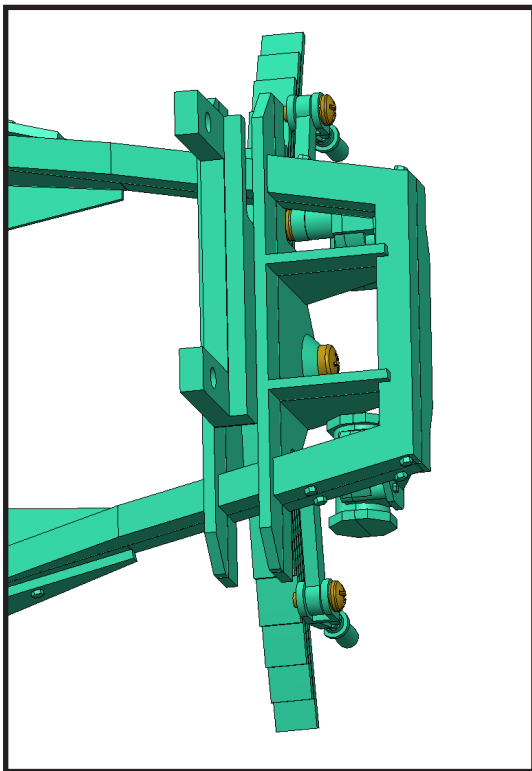
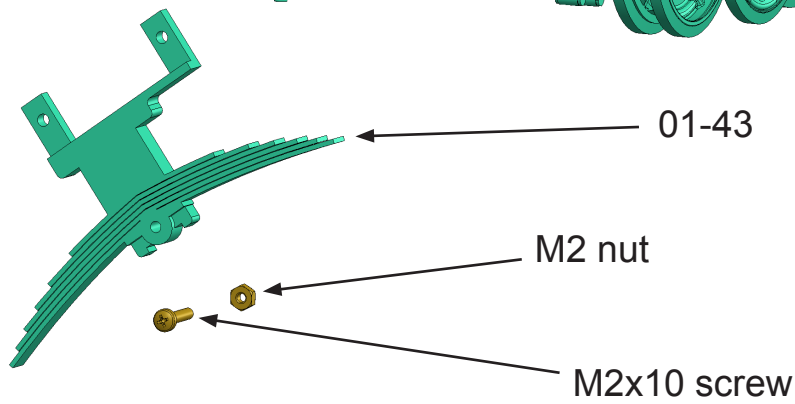
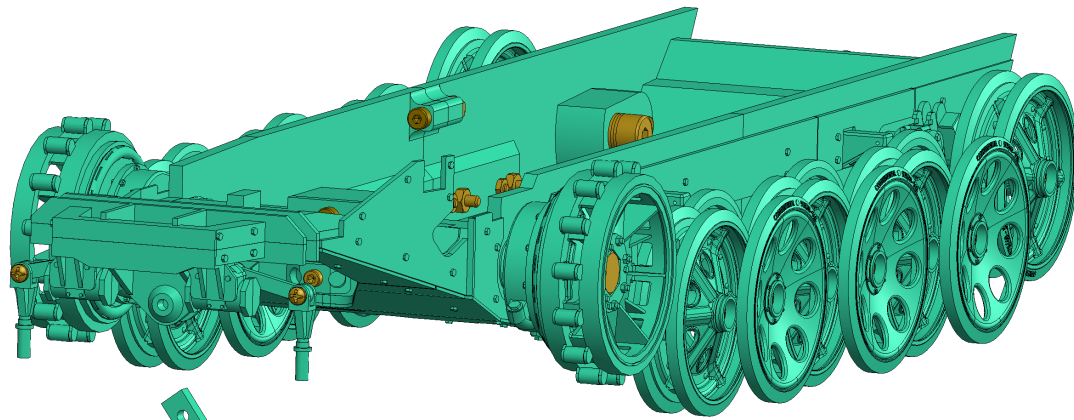


01-40A+B



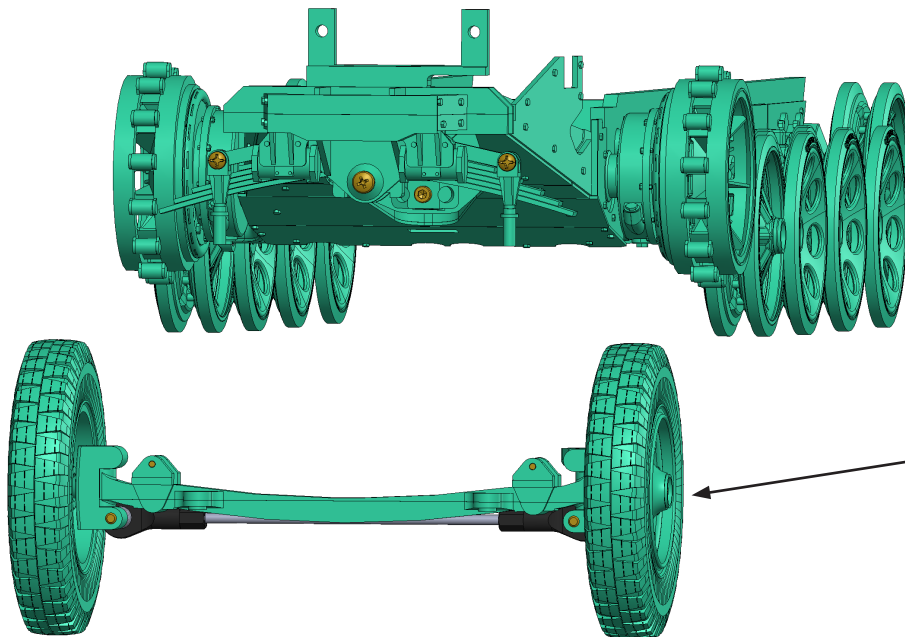
Glue the 01-40A+B parts assemblies to the chassis.

Assembly 01 - Chassis

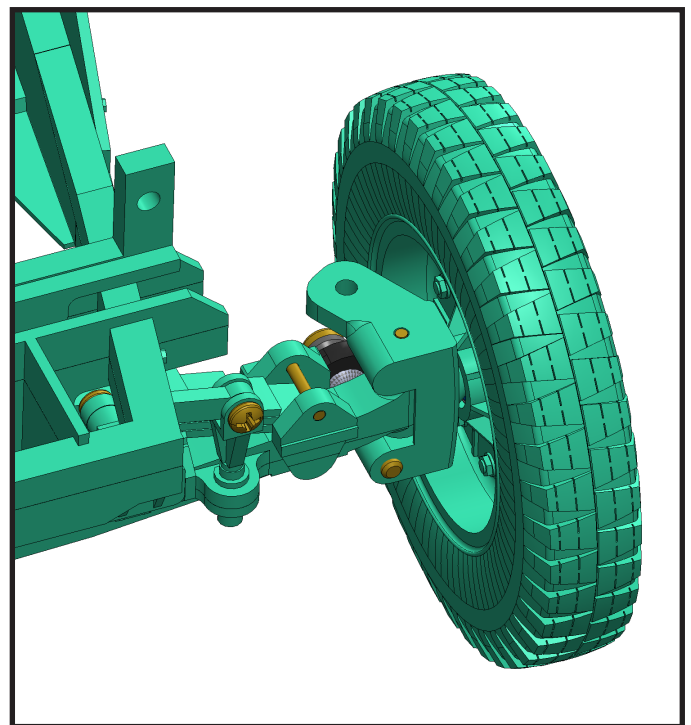
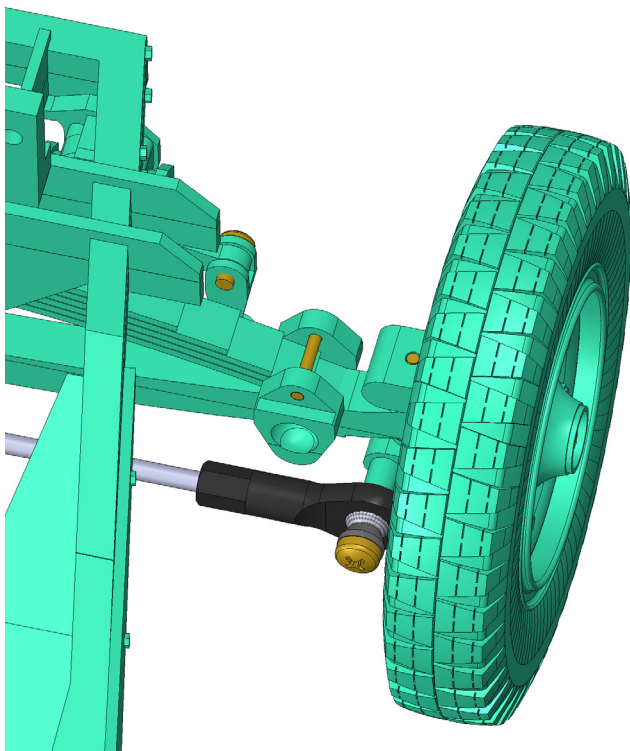


Attach part 01-43 to the to the chassis. Use an M2x10 screw and M2 nut.
Make sure that the part 01-43 rotate freely.

Assembly 01 - Chassis

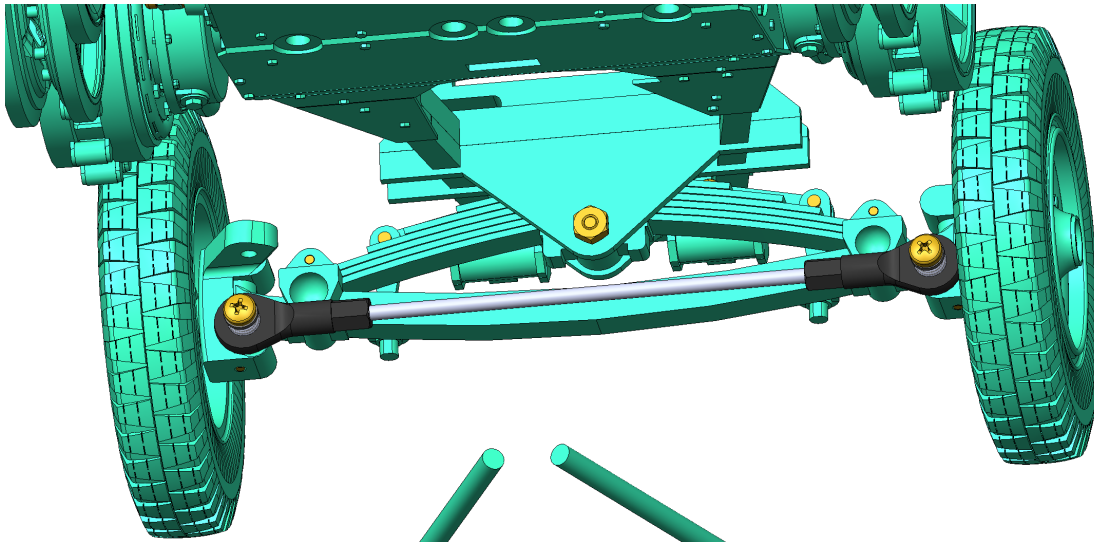


01-35A+B / 01-38A+B

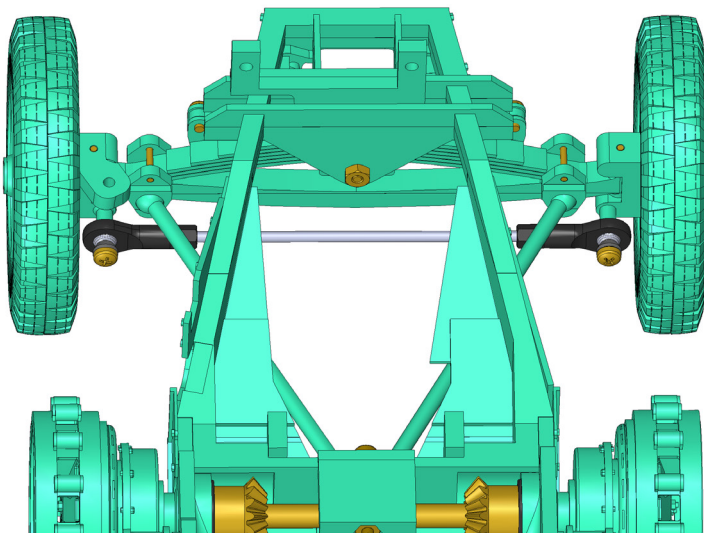
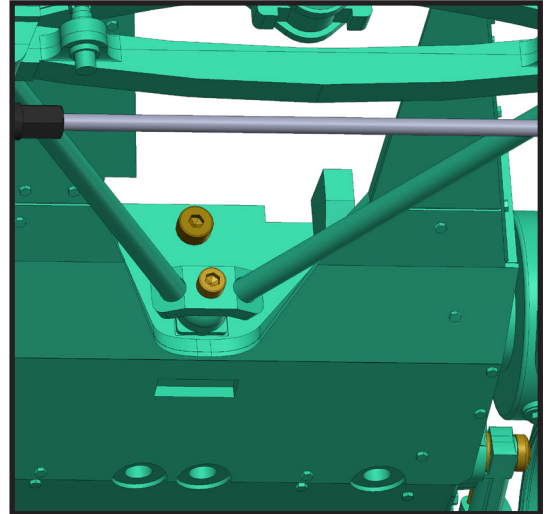


Glue the 01-40A+B / 01-42 parts assemblies to the 01-35A+B assembly.
DO NOT GLUE ASSEMBLY 01-35A+B TO PART 01-43 !!!

Assembly 01 - Chassis

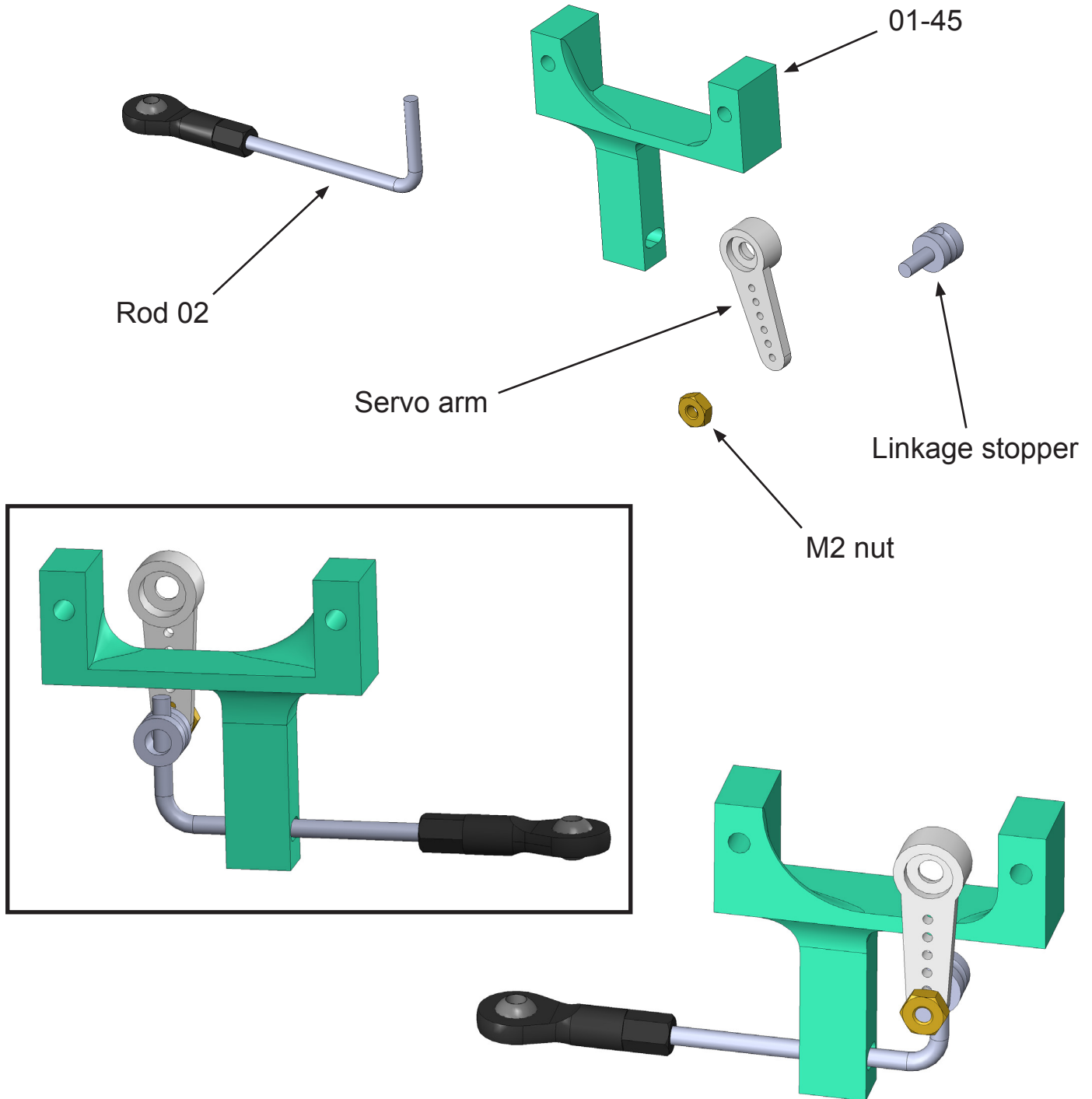


01-44



Glue parts 01-44 to part 01-16.
At the same time insert parts 01-44 into assembly 01-35A+B.
DO NOT GLUE PARTS 01-44 TO ASSEMBLY 01-35A+B !!!

Assembly 01 - Chassis

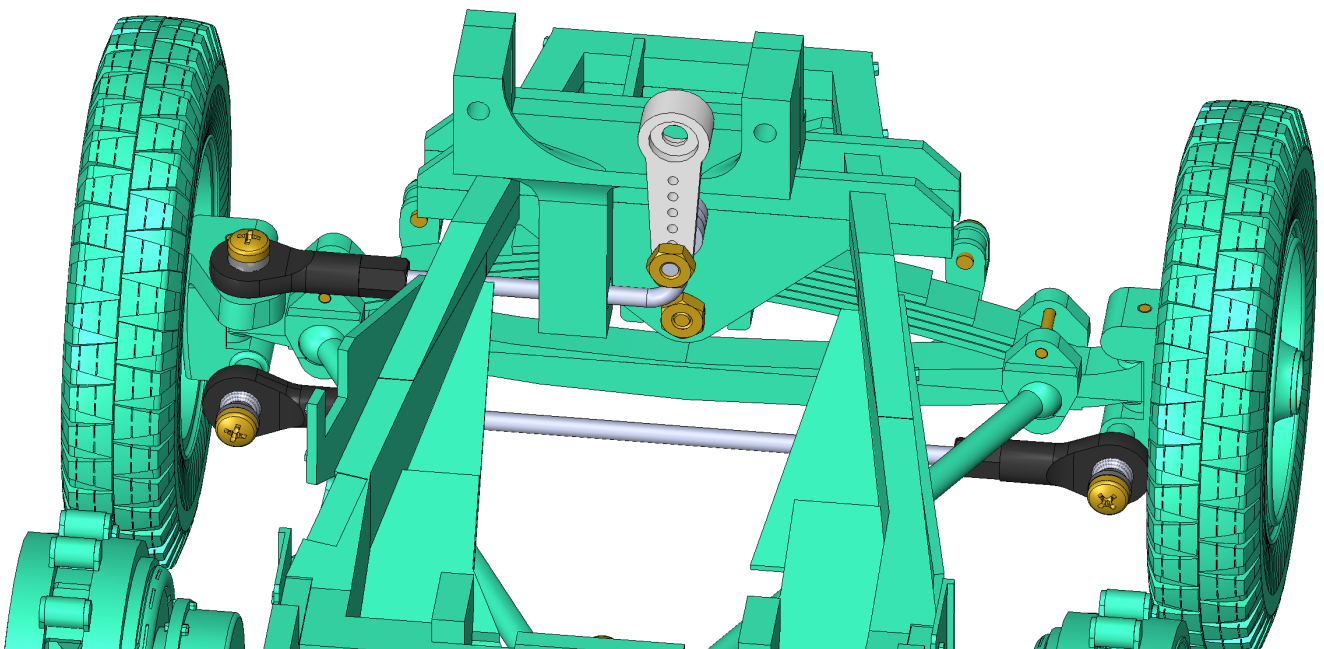
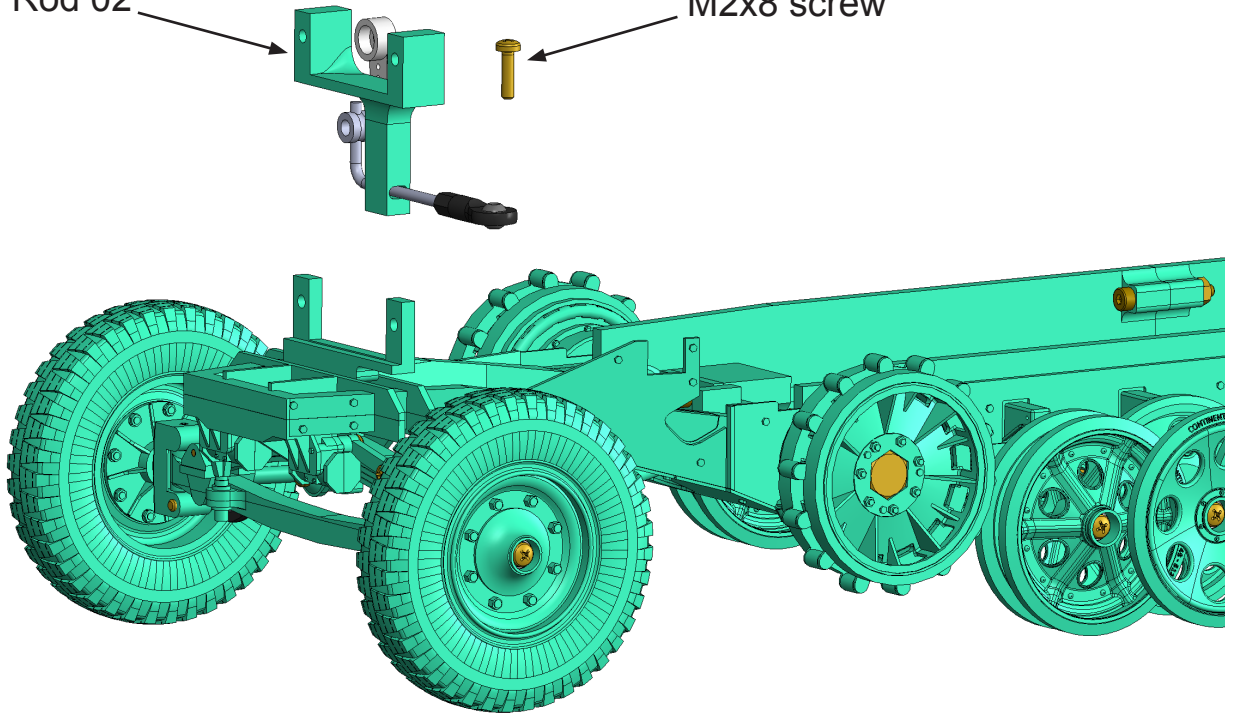


First insert rod 02 into part 01-45.
Then connect the servo arm to the linkage stopper using the M2 nut.
The stopper must rotate freely, but with minimal play.
Finally slide the whole assembly onto rod 02.

Assembly 01 - Chassis

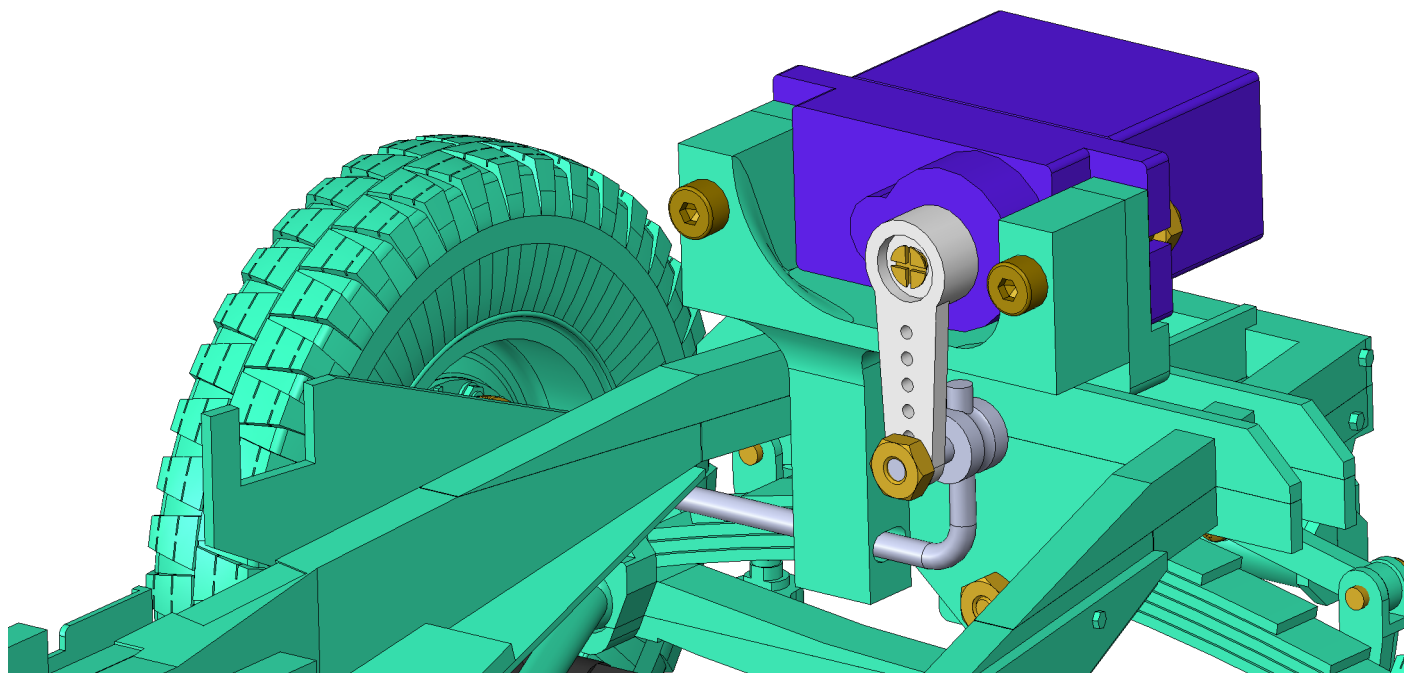
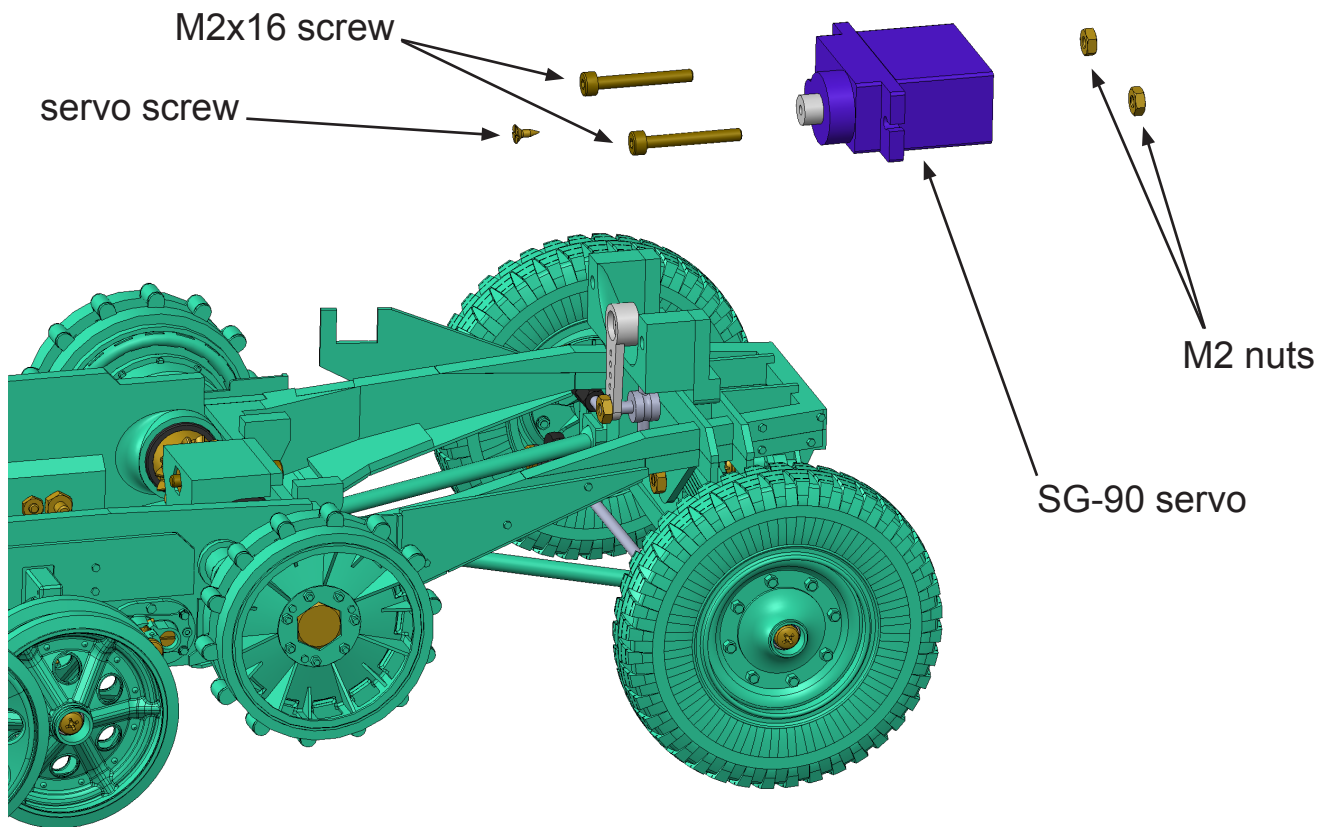
01-45 / Rod 02

M2x8 screw



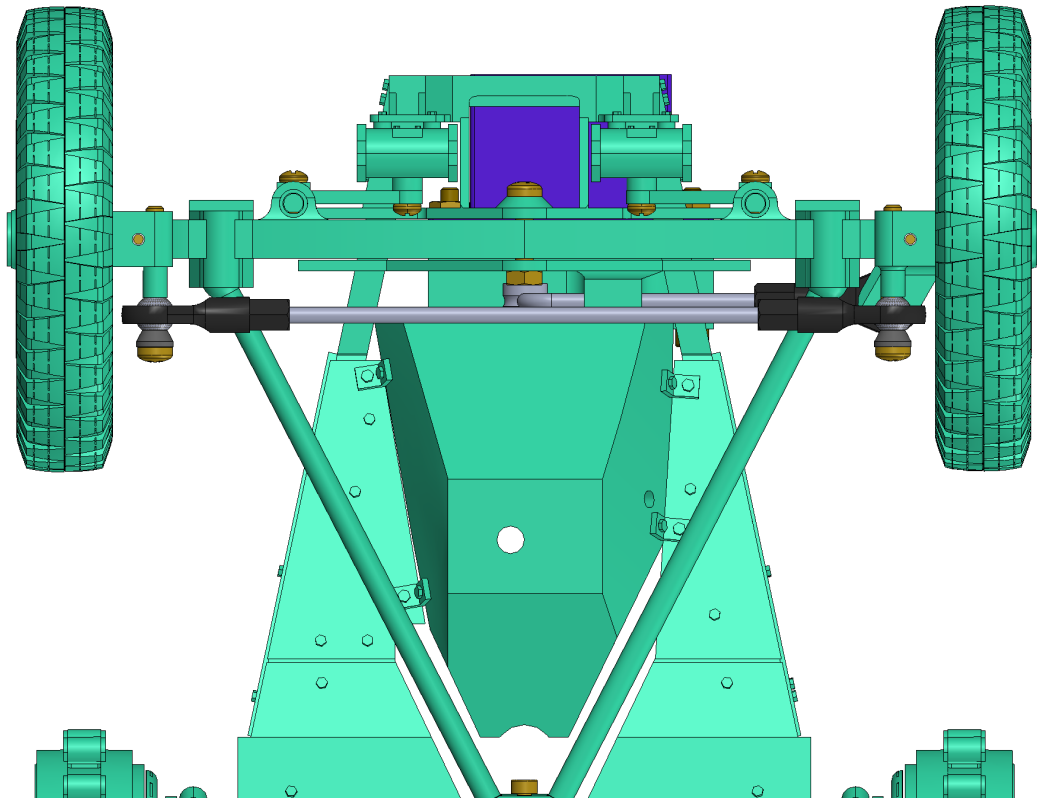
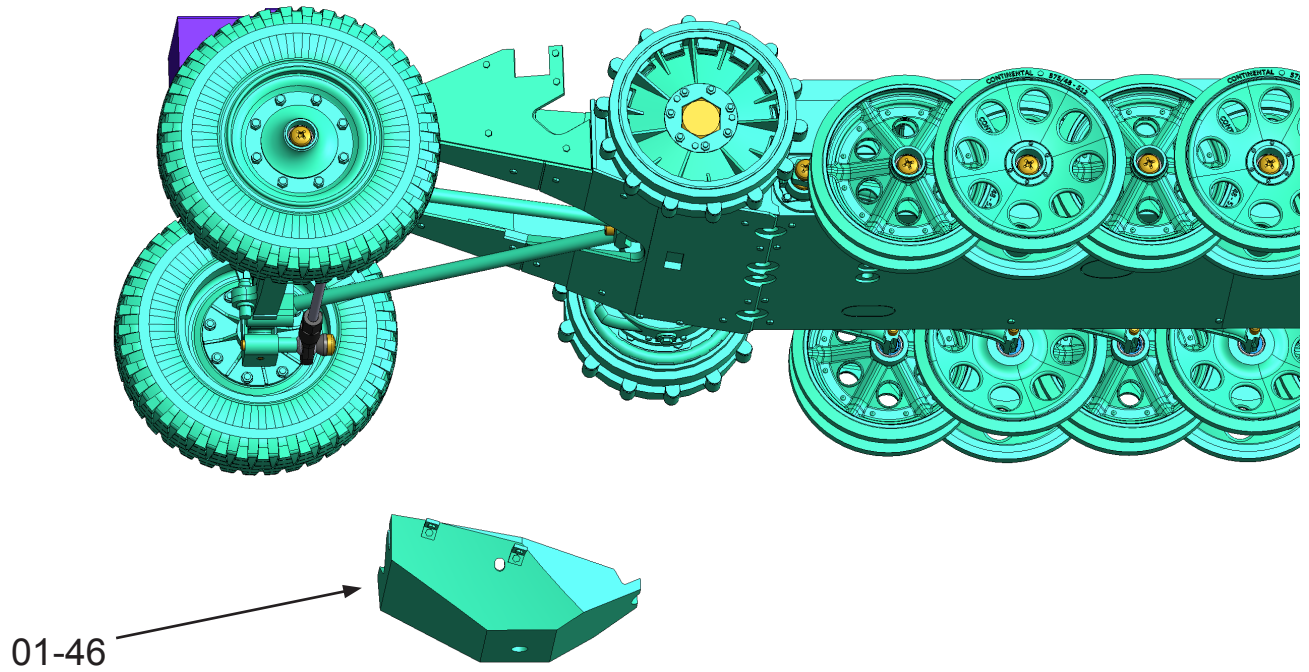
Connect the rod 02 to the part 01-45 using the M2x8 screw.

Assembly 01 - Chassis



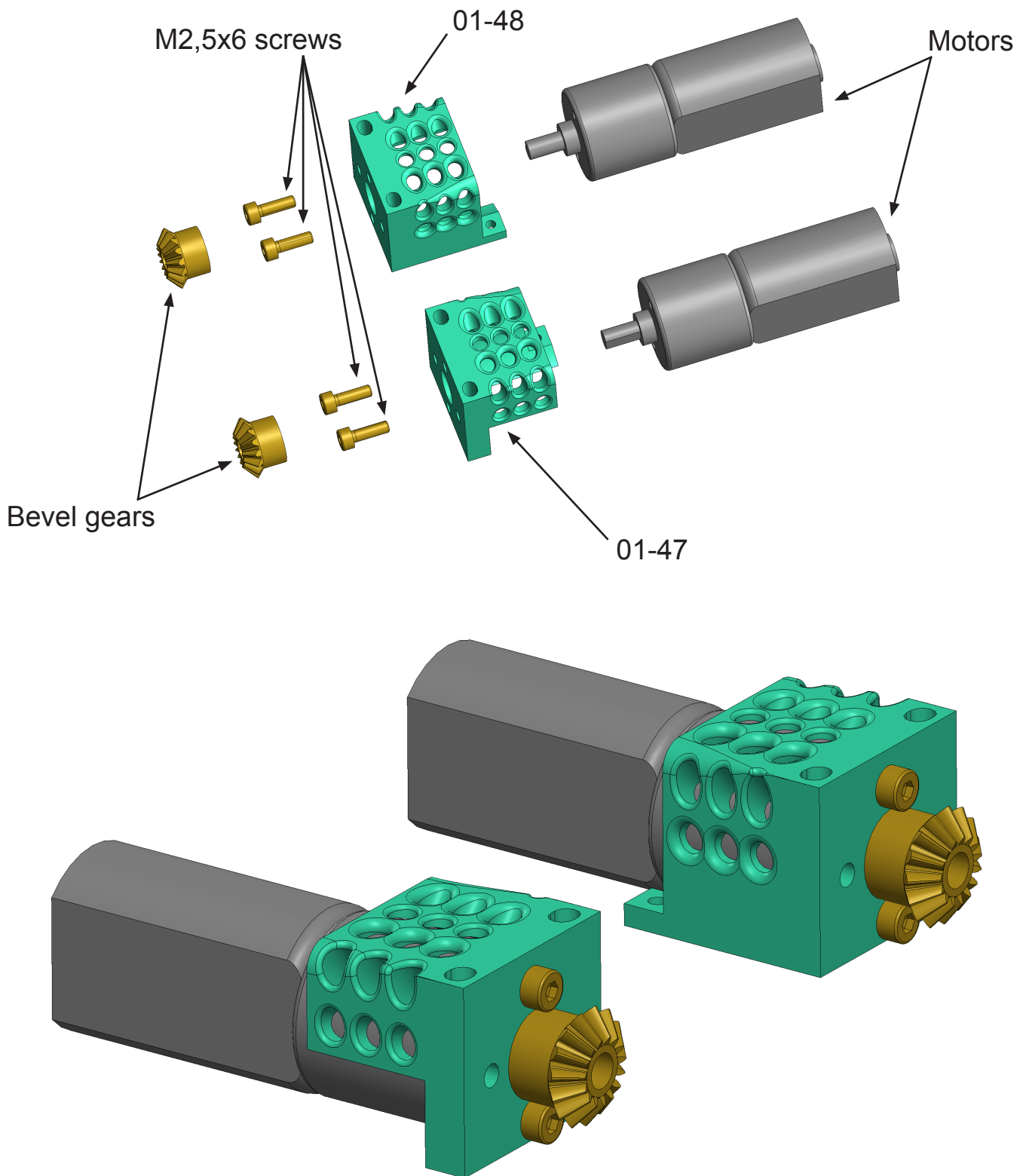
Attach a SG-90 servo to part 01-45.
Use two M2x16 screws and M2 nuts.
Connect the servo arm to the servo using the screw provided with the servo.

Assembly 01 - Chassis



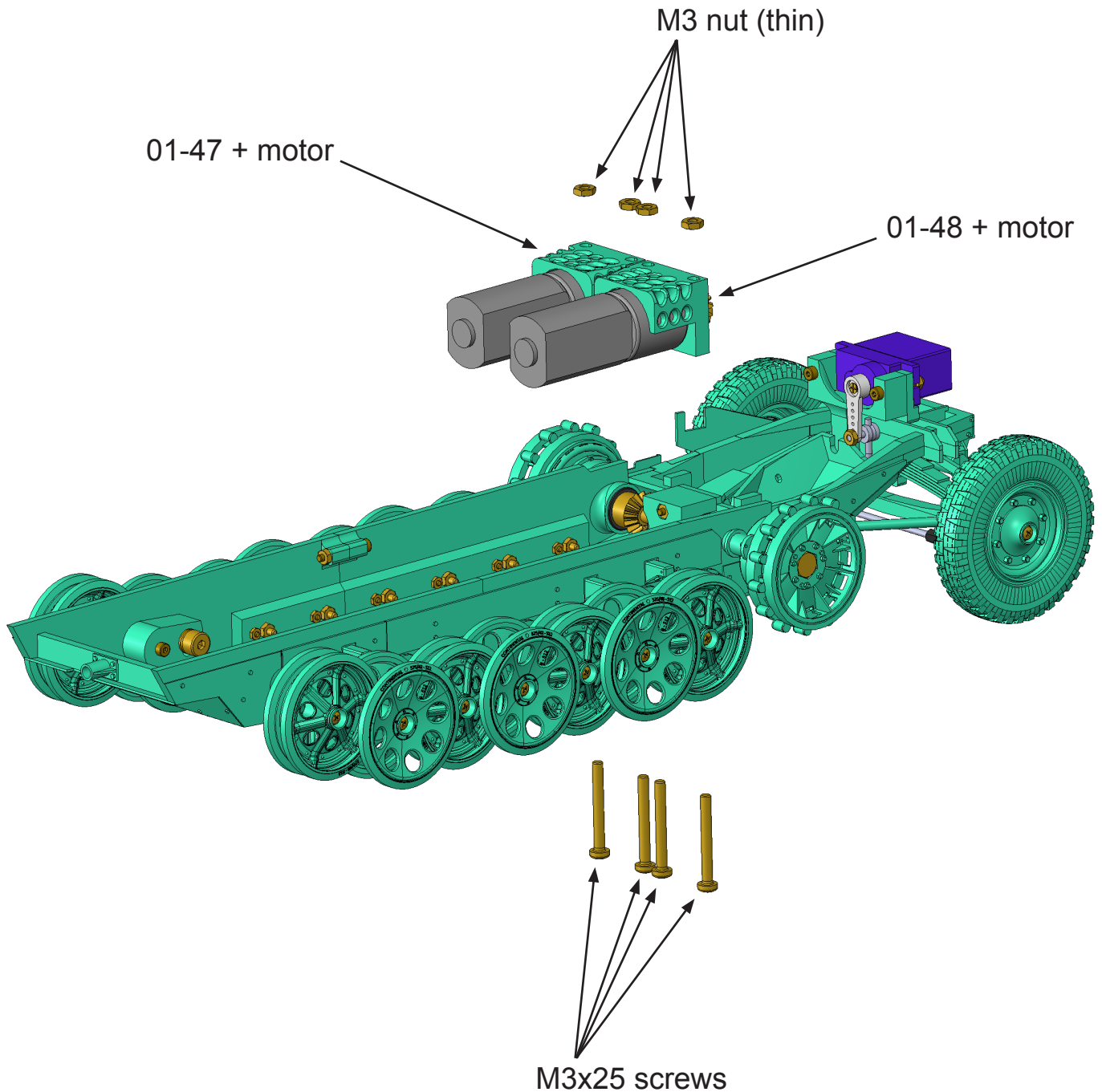
Make sure everything is working as it should.
If so, glue part 01-46.

Assembly 01 - Chassis



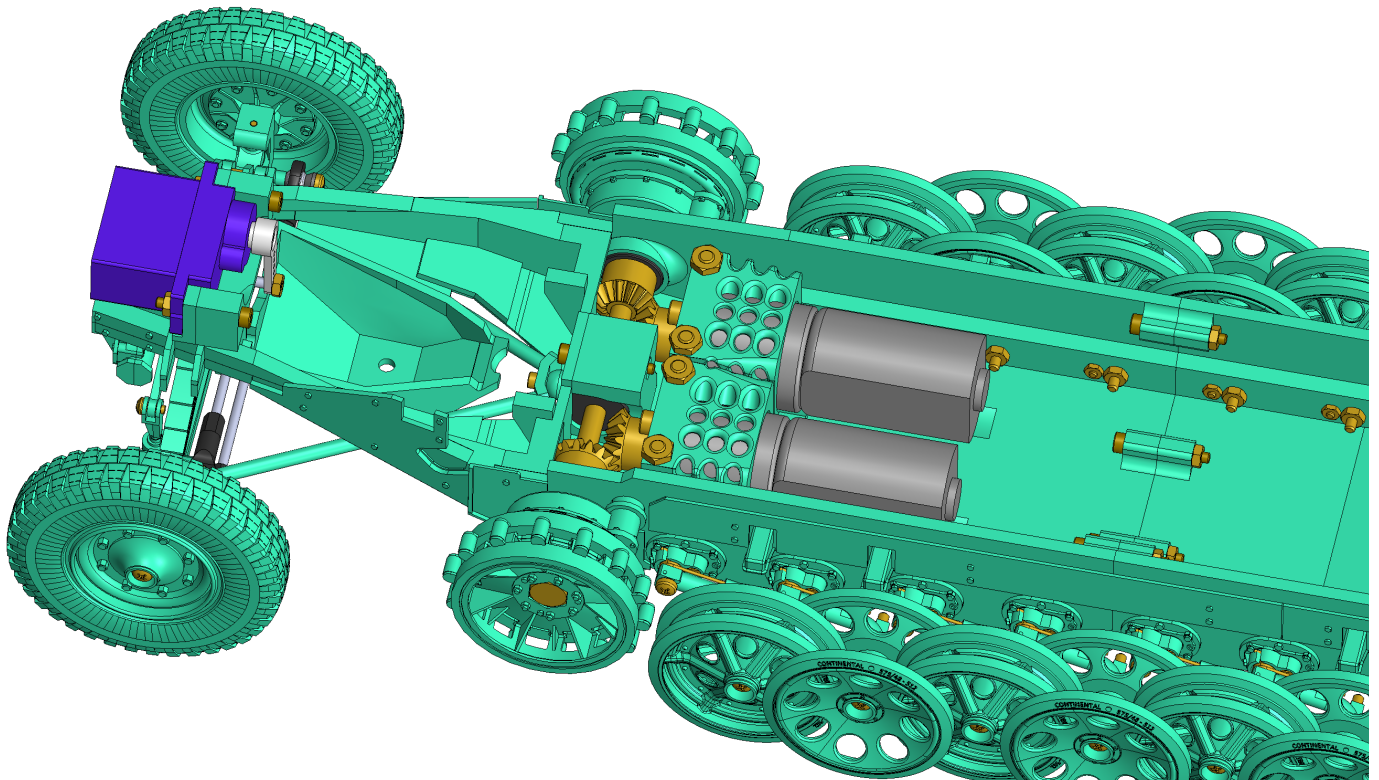
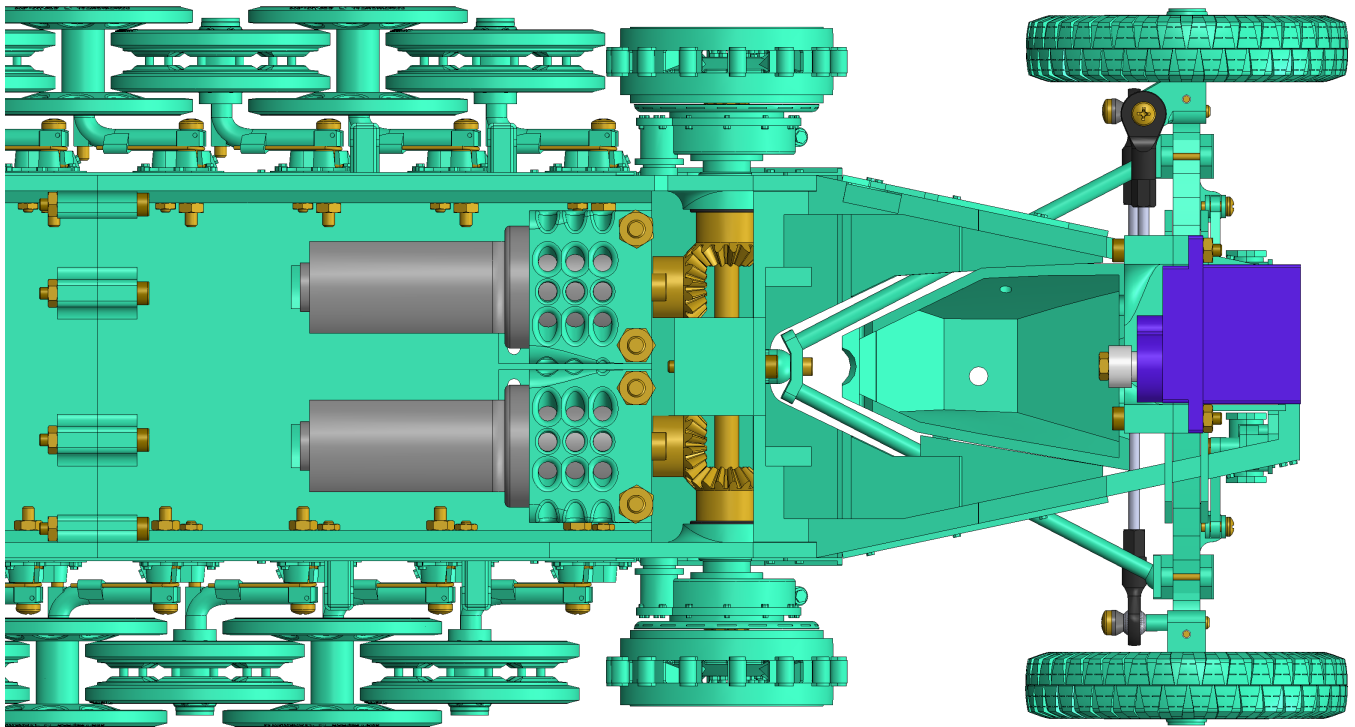
Attach the motors to parts 01-47 and 01-48 with 4 M2,5x6 screws.
Then add the bevel gears. **Do not tighten them too tightly yet.**

Assembly 01 - Chassis



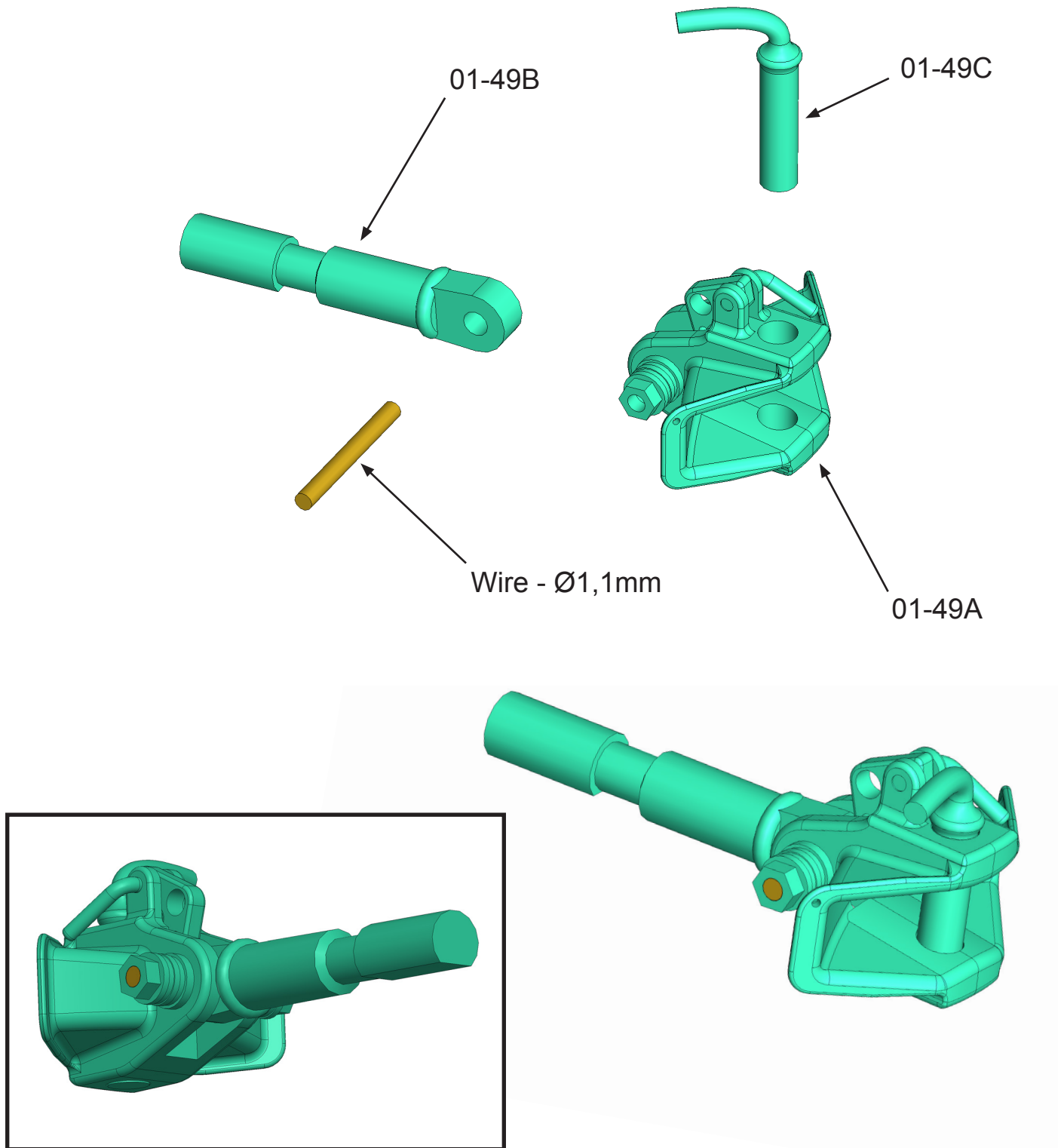
Attach the motors to the chassis. Use 4 M3x25 screws.
Adjust the exact alignment of all the bevel gears so that they fit exactly together
and there is no play between them.

Assembly 01 - Chassis



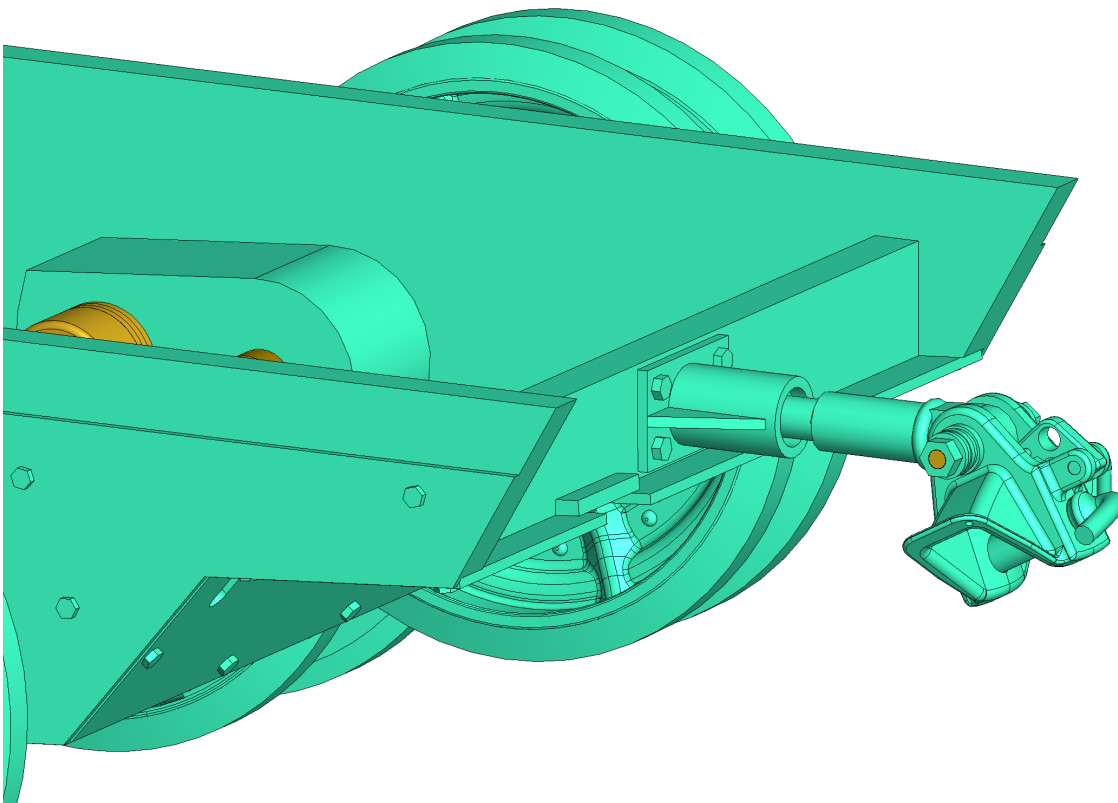
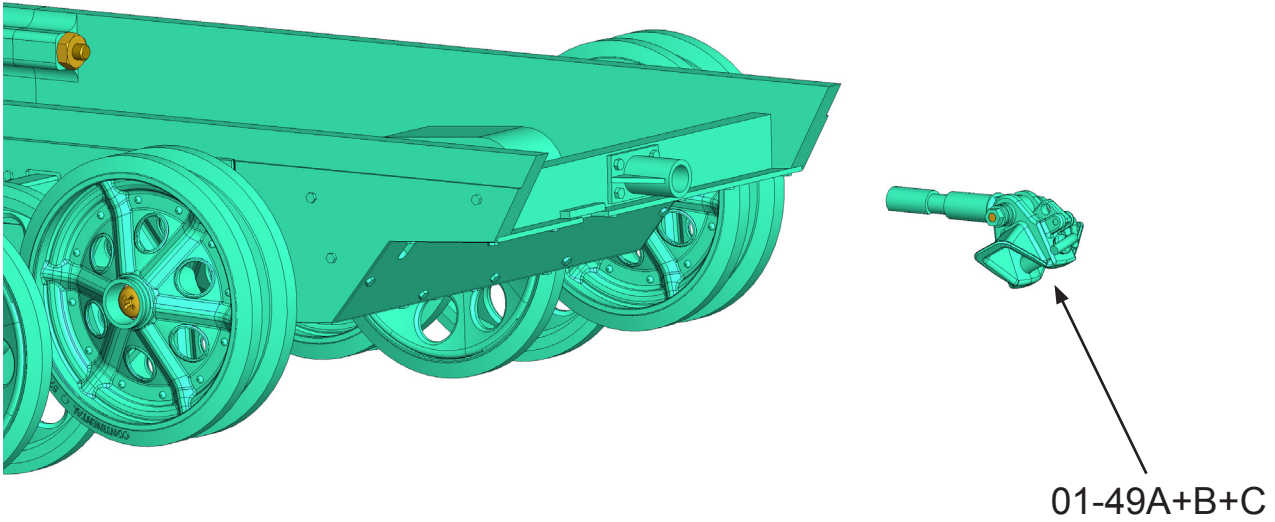
Auxiliary views for installation of motors.

Assembly 01 - Chassis



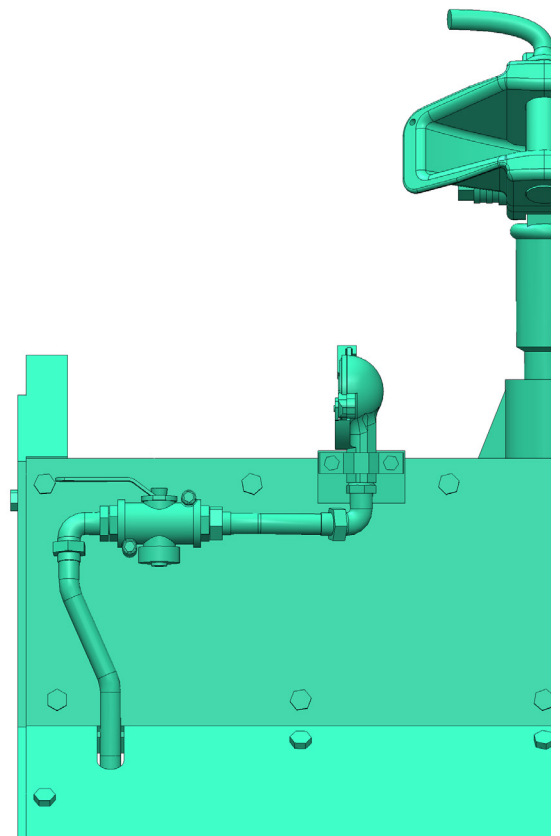
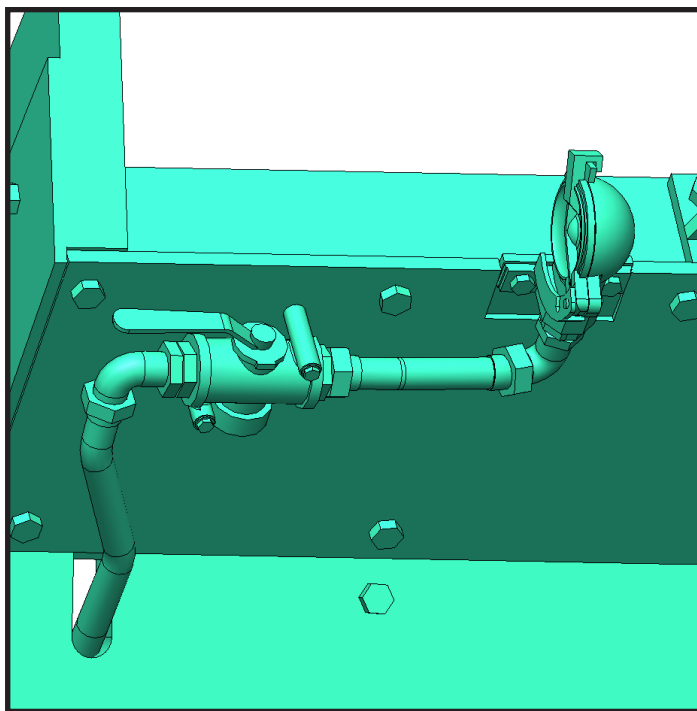
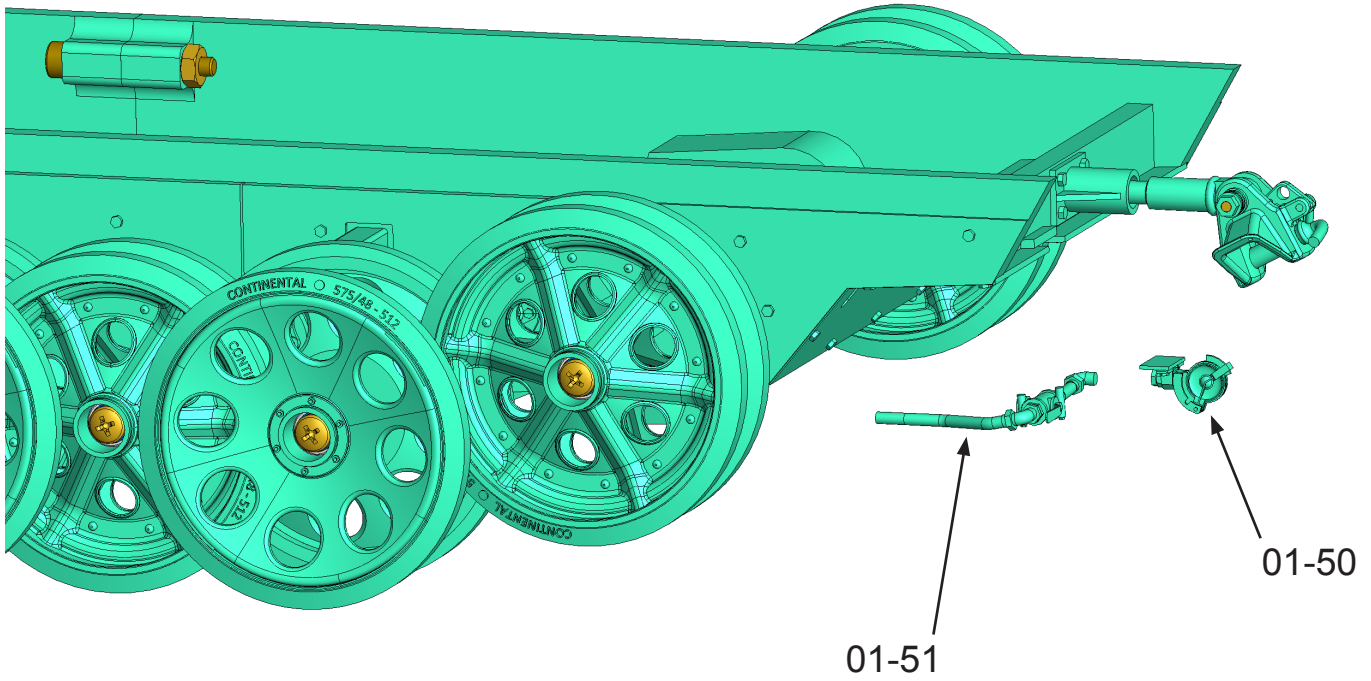
Connect parts 01-49A and 01-49B. Use wire with a diameter of 1.1mm.
Secure the ends of the wire with glue.
Make sure that the parts rotate freely.
Insert part 01-49C into the part 01-49A. **Do not glue the parts together.**

Assembly 01 - Chassis



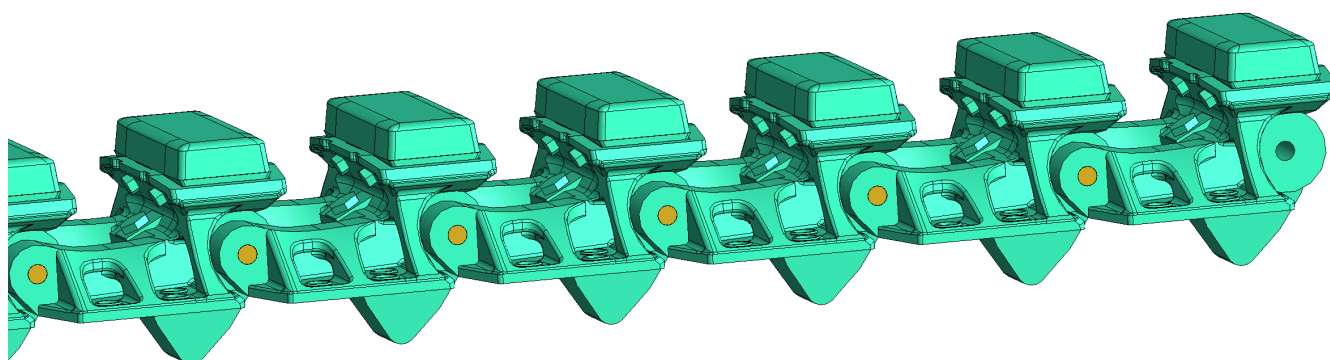
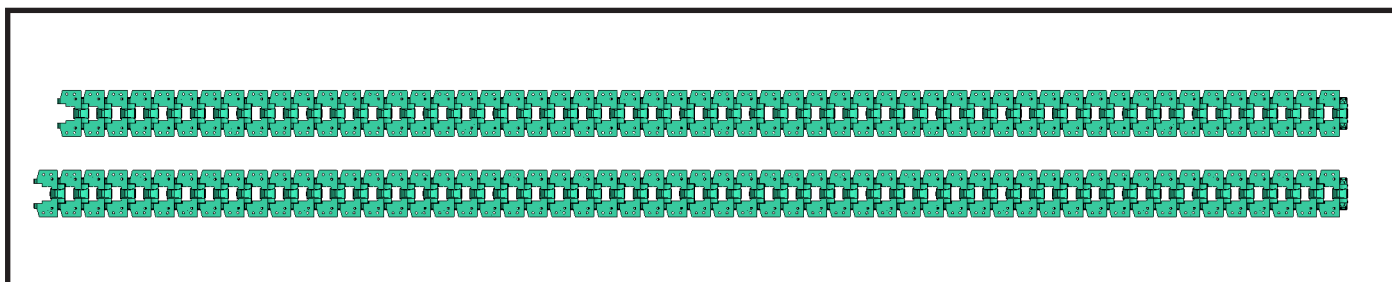
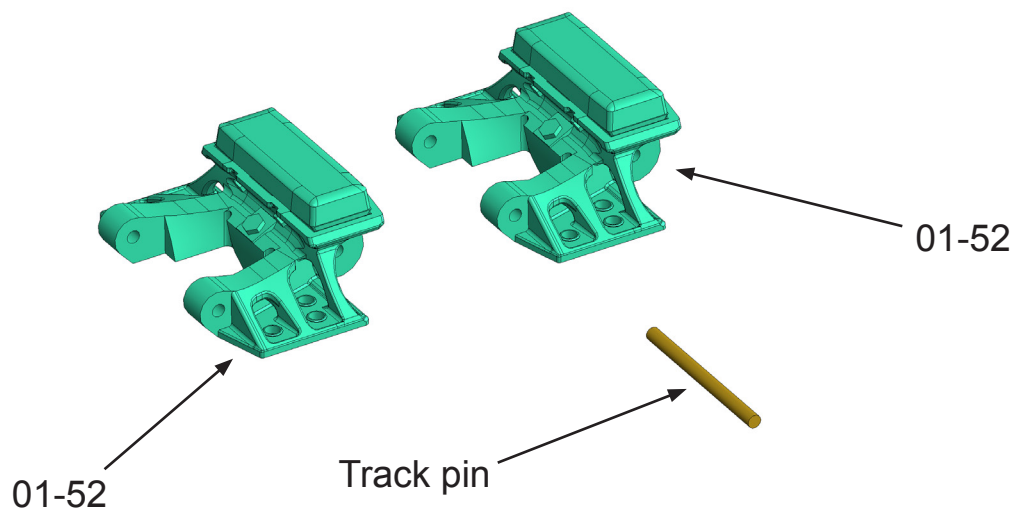
Glue the 01-49A+B+C parts assembly to the chassis.

Assembly 01 - Chassis



Glue part 01-50. Then glue part 01-51.

Assembly 01 - Chassis



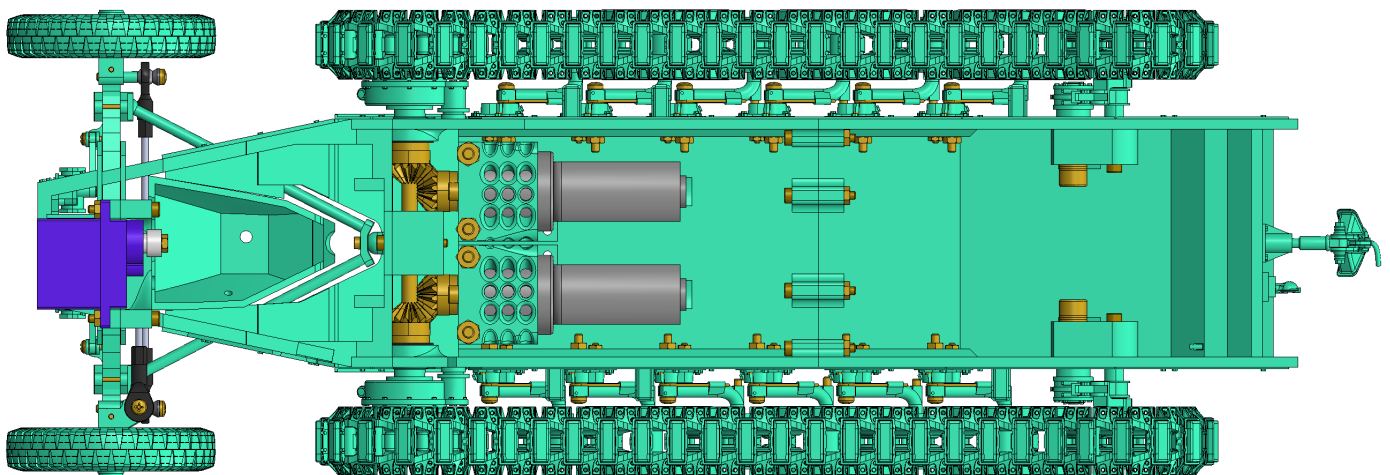
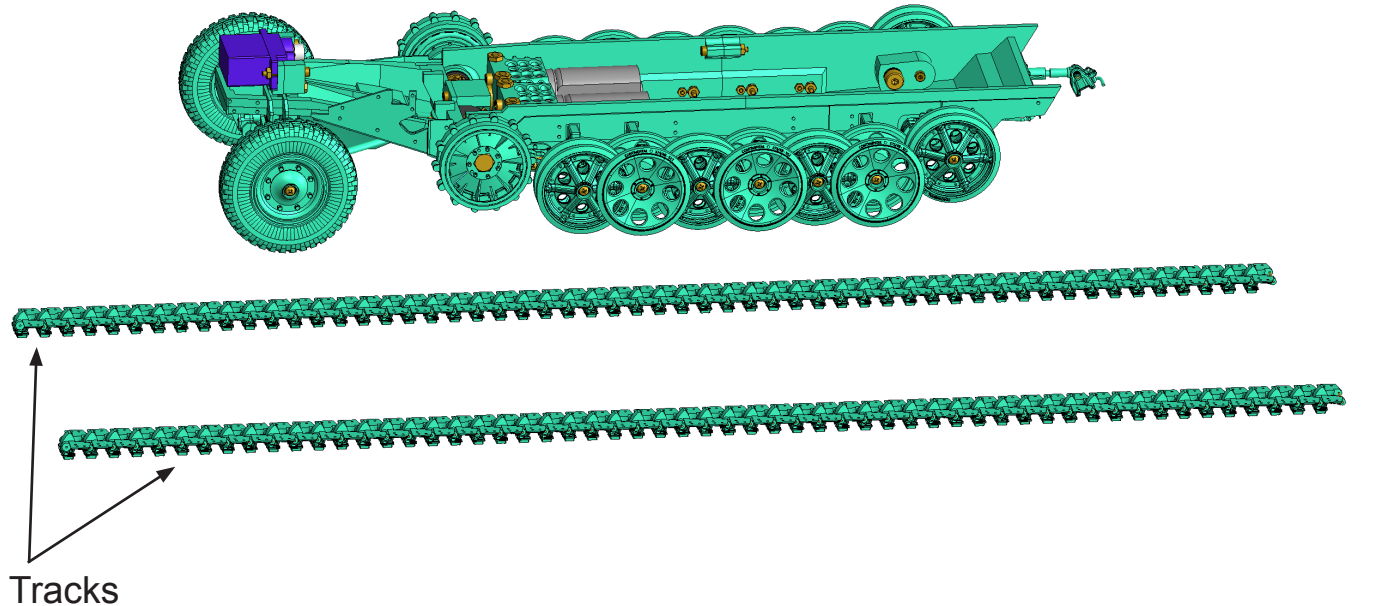
Assemble the tracks. 55 links for left side and 56 for right side
After inserting the pins, secure them with the superglue.

Apply the glue using a toothpick.

It is very important that the pins never get loose!!!

**Repeat the procedure of gluing the pins several times to be sure,
and check carefully on the first runs to see if any pins have come loose.**

Assembly 01 - Chassis



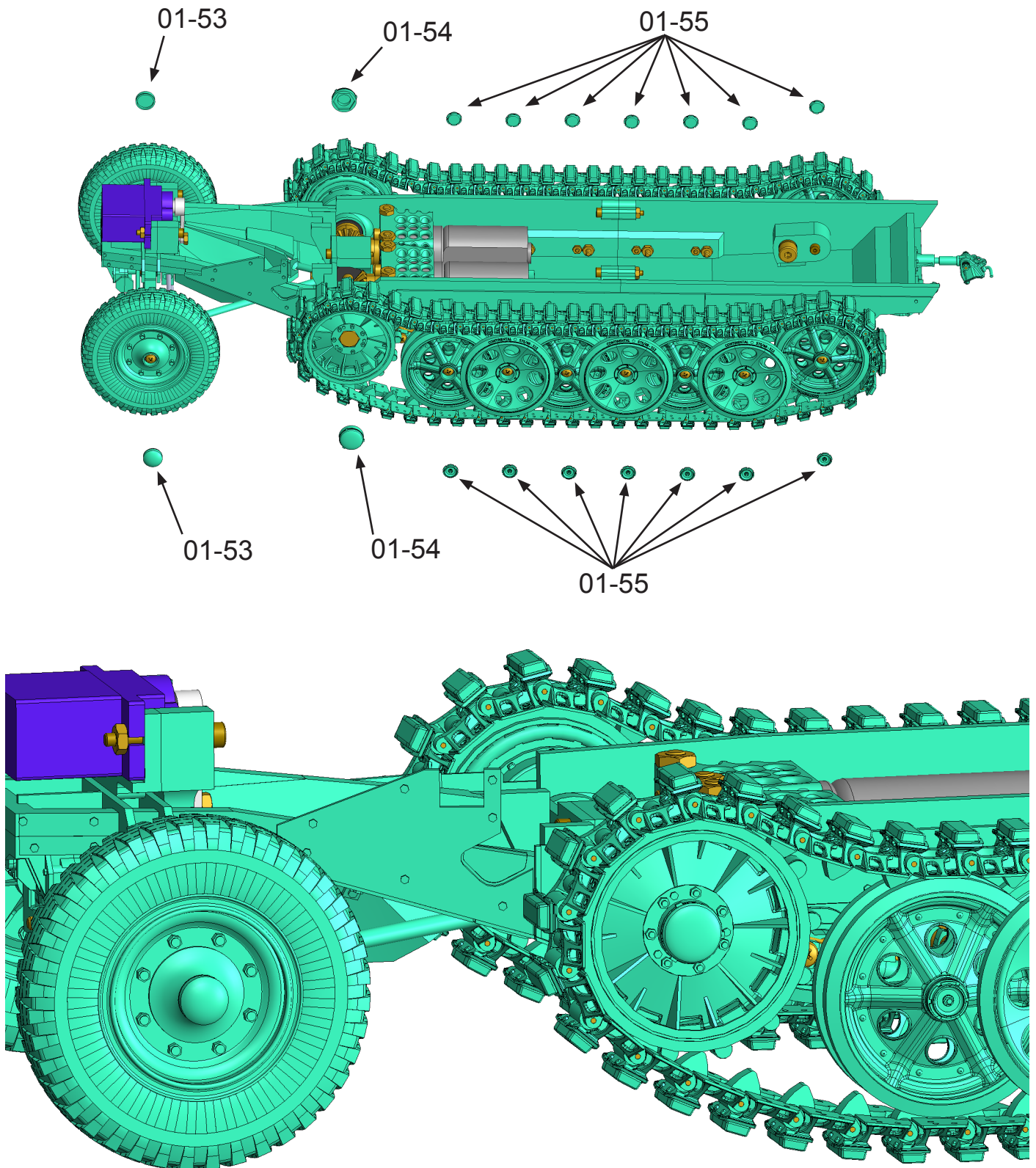
Install the tracks.

Check everything and adjust the correct position of the drive sprockets. Bevel gears are the only thing holding the drive sprockets in the correct position.

Therefore, it is important to define the correct clearance between them.

It is also very important that the bevel gears are very tightly fixed to the axles. We recommend using a blue thread-locker for the final fixing of the bevel gears.

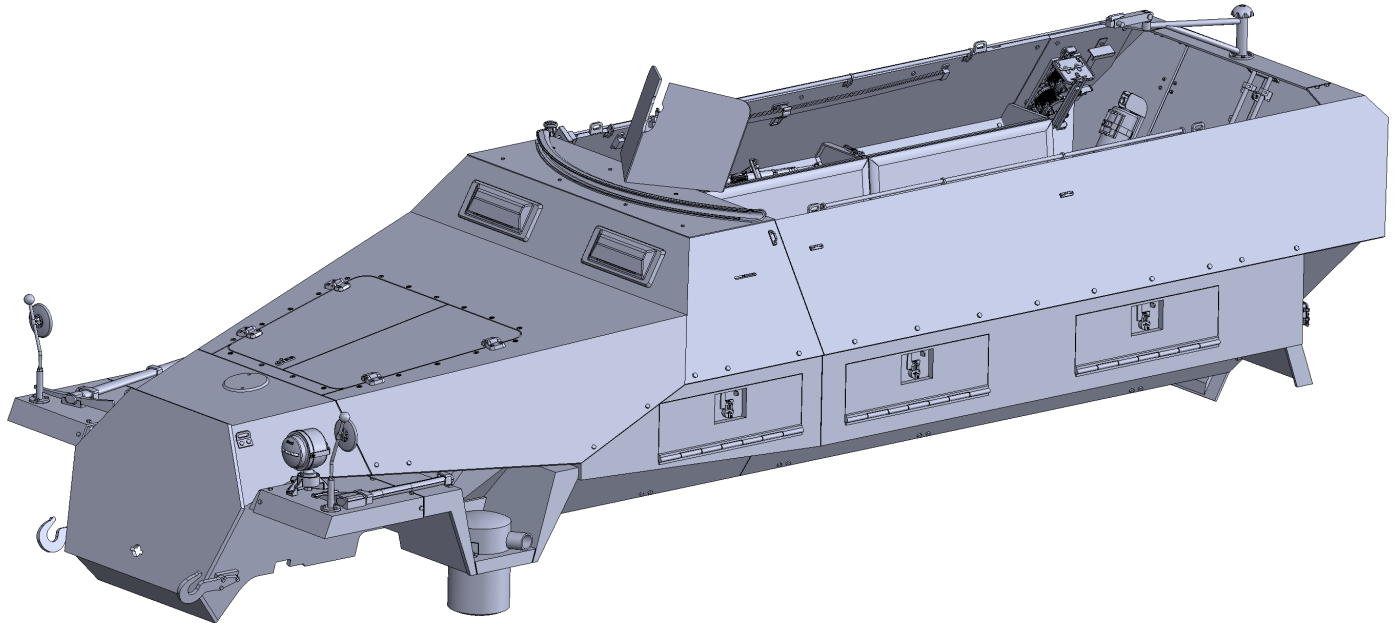
Assembly 01 - Chassis



Glue parts 01-53, 01-54 and 01-55.

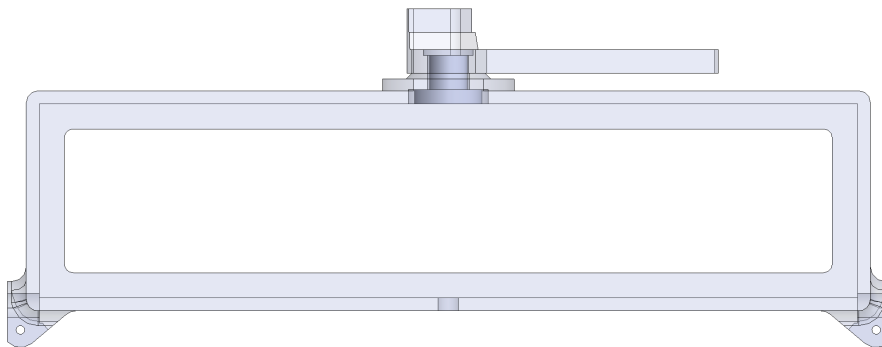
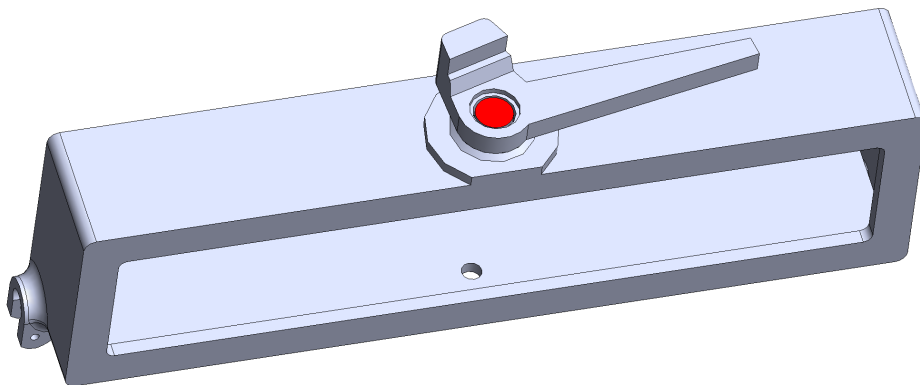
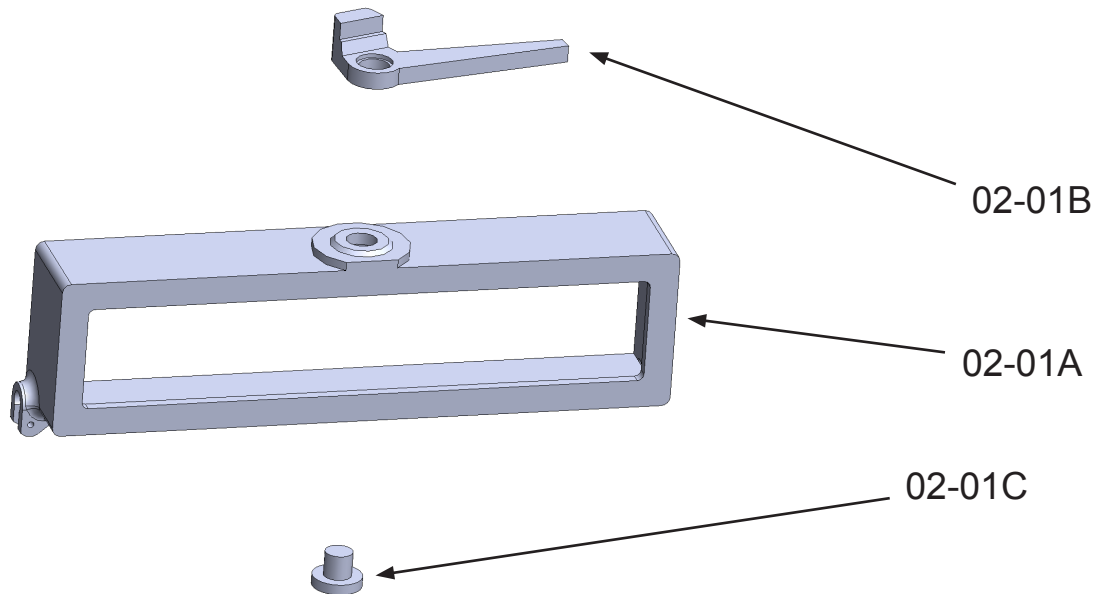
We recommend doing this after a couple of test drives.
If possible, use an adhesive that can be removed in the future.

Assembly 02 - Upper Hull



<p>3D PRINTED PARTS:</p>	<p>02-01A (2x), 02-01B (2x), 02-01C (2x), 02-02A (2x), 02-02B (4x), 02-03 (1x), 02-04 (1x), 02-05 (1x), 02-06 (1x), 02-07 (1x), 02-08 (1x), 02-09 (2x), 02-10 (2x), 02-11A (1x), 02-11B (1x), 02-12 (1x), 02-13 (1x), 02-14 (1x), 02-15 (1x), 02-16 (1x), 02-17 (1x), 02-18 (8x), 02-19 (2x), 02-20 (1x), 02-21 (1x), 02-22 (1x), 02-23 (2x), 02-24A (1x), 02-24B (1x), 02-25 (1x), 02-26 (1x), 02-27A (4x), 02-27B (1x), 02-27C (2x), 02-28 (2x), 02-29 (2x), 02-30 (2x), 02-31 (1x), 02-32 (1x), 02-33 (2x), 02-34 (1x), 02-35 (1x), 02-36 (1x), 02-37 (1x), 02-38 (6x), 02-39 (8x), 02-40 (1x), 02-41 (1x), 02-42 (1x), 02-43 (1x), 02-44 (1x), 02-45 (1x), 02-46 (1x), 02-47 (1x), 02-48A (8x), 02-48B (8x), 02-49A (1x), 02-49B (1x), 02-50 (1x), 02-51 (2x), 02-52 (2x), 02-53 (2x), 02-54 (1x), 02-55 (1x), 02-56 (1x), 02-57 (2x), 02-58 (1x), 02-59 (1x), 02-60 (1x), 02-61 (1x), 02-62 (1x), 02-63 (1x), 02-64 (1x), 02-65A (1x), 02-65B (1x), 02-65C(1x), 02-66A (1x), 02-66B (1x),</p>
<p>NON-PRINTED PARTS:</p>	<p>LED (2x), Wire - 0,6mm diameter, Wire - 0,8mm diameter.</p>

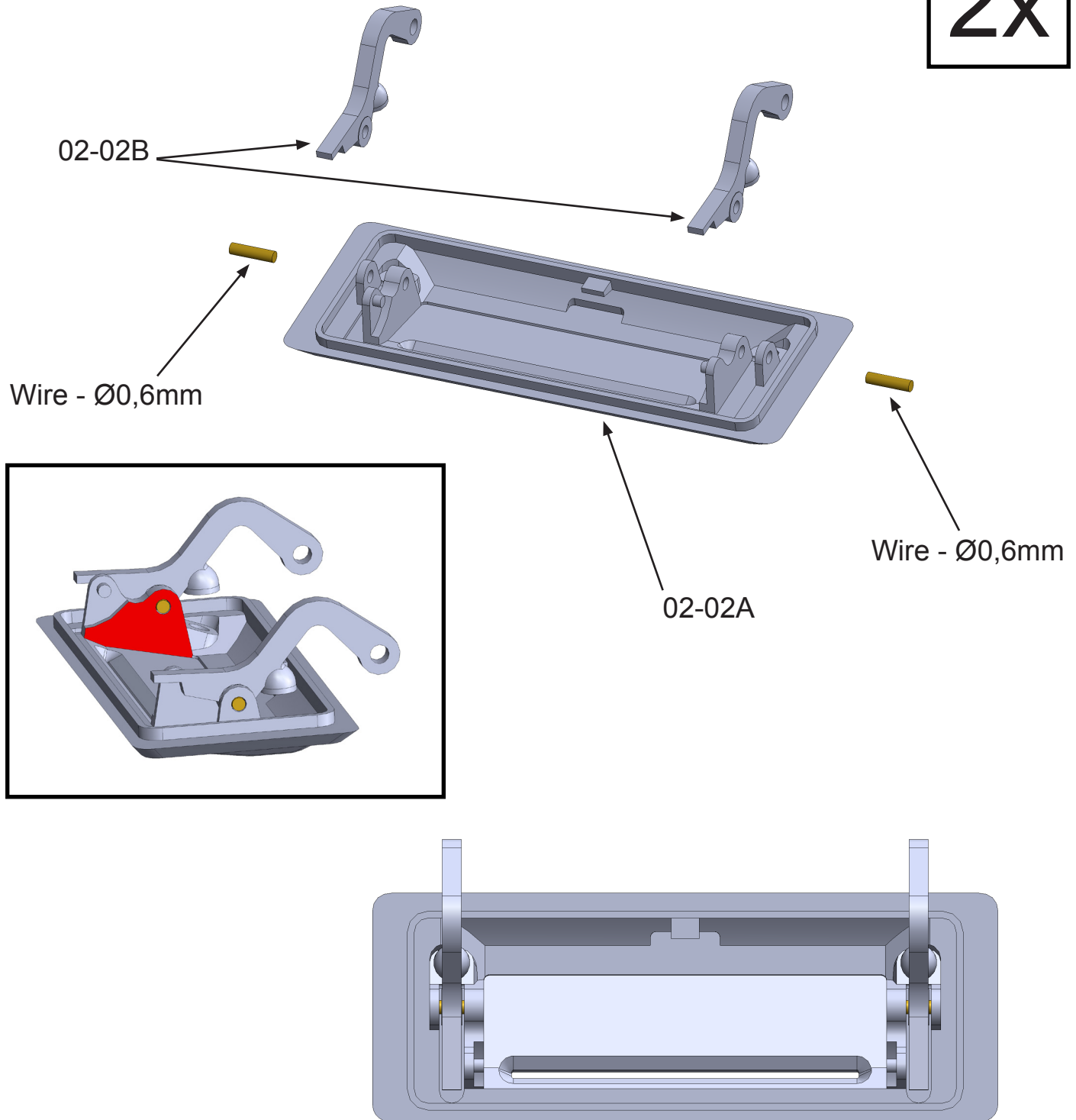
Assembly 02 - Upper Hull

2x

Connect parts 02-01A, 02-01B and 02-01C.
Apply glue only to the area marked in red (second picture).
The parts must rotate freely if you want a functional visor.

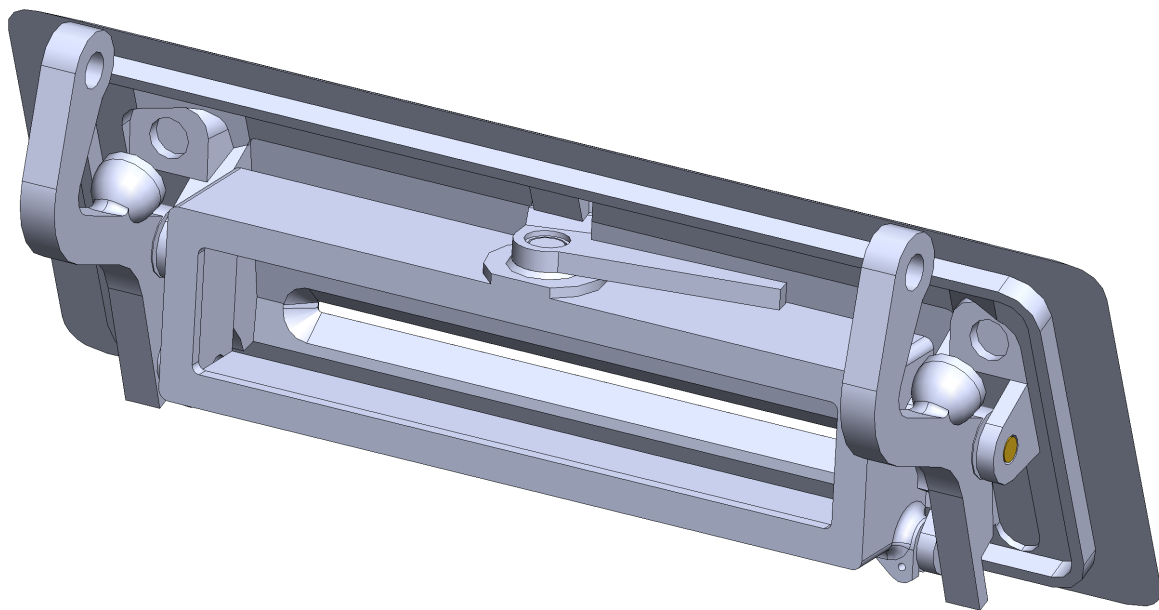
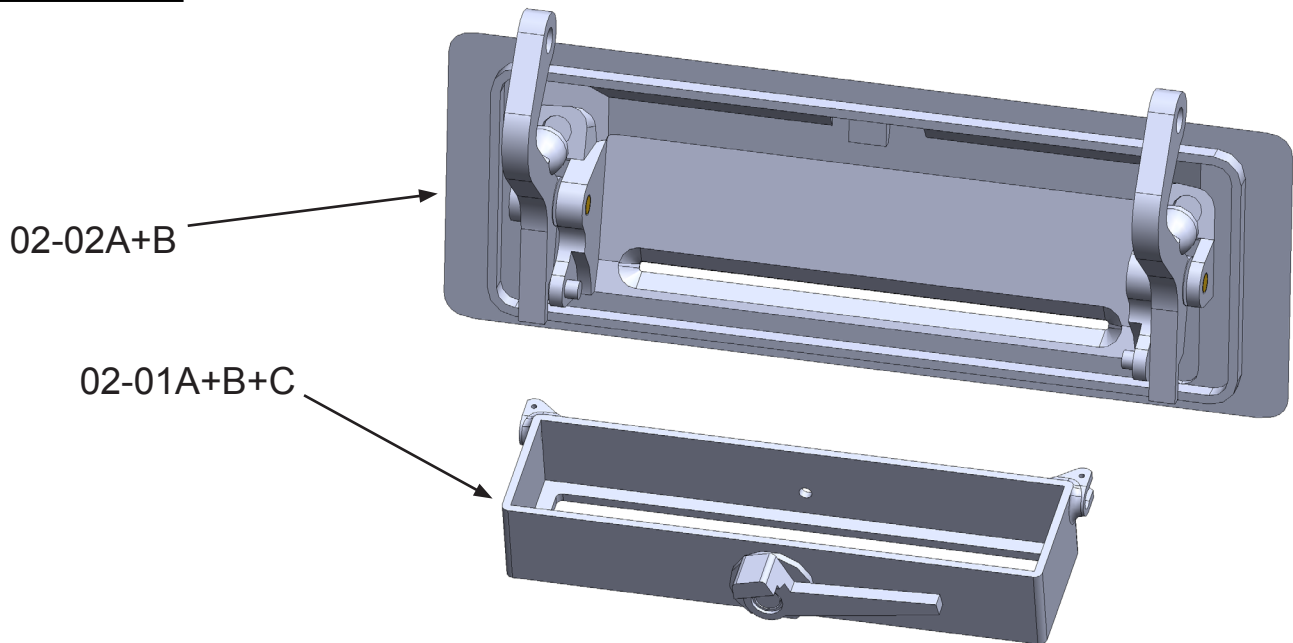
Assembly 02 - Upper Hull

2x



Connect part 02-02A with two parts 02-02B.
Use a 0.6mm diameter wire (length 2.5mm).
Apply glue only to the areas marked in red (second picture).
The parts must rotate freely if you want a functional visor.

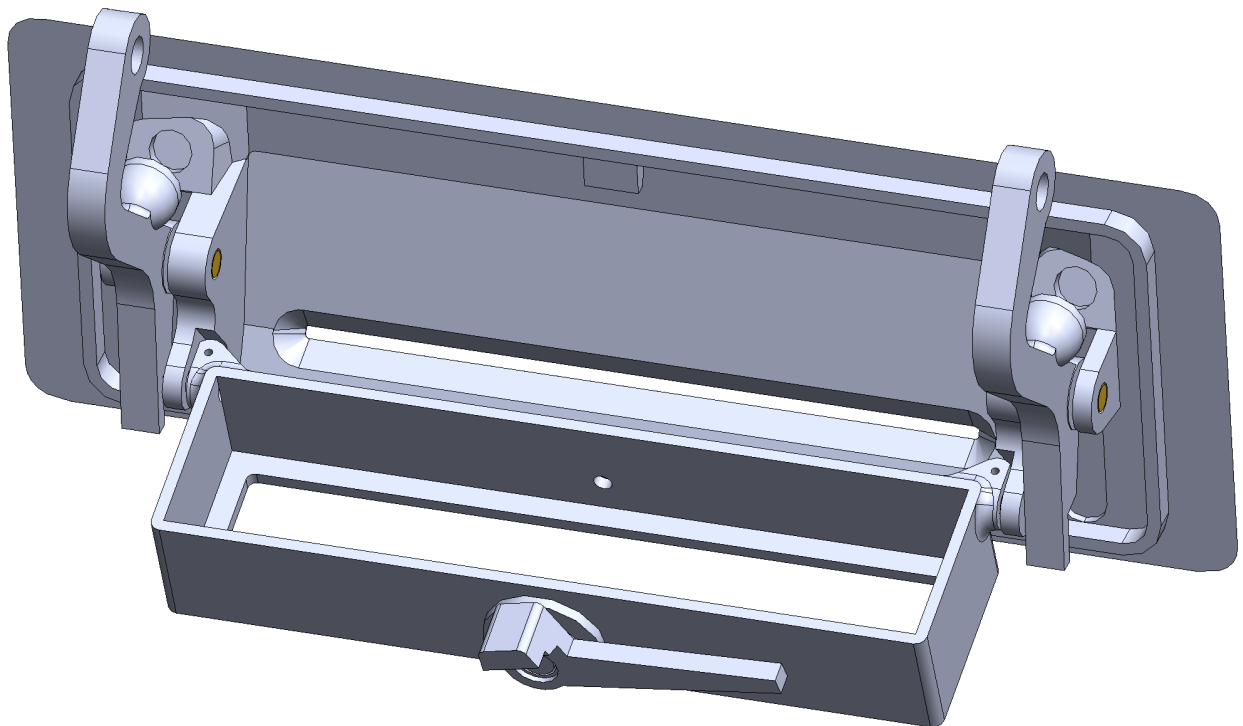
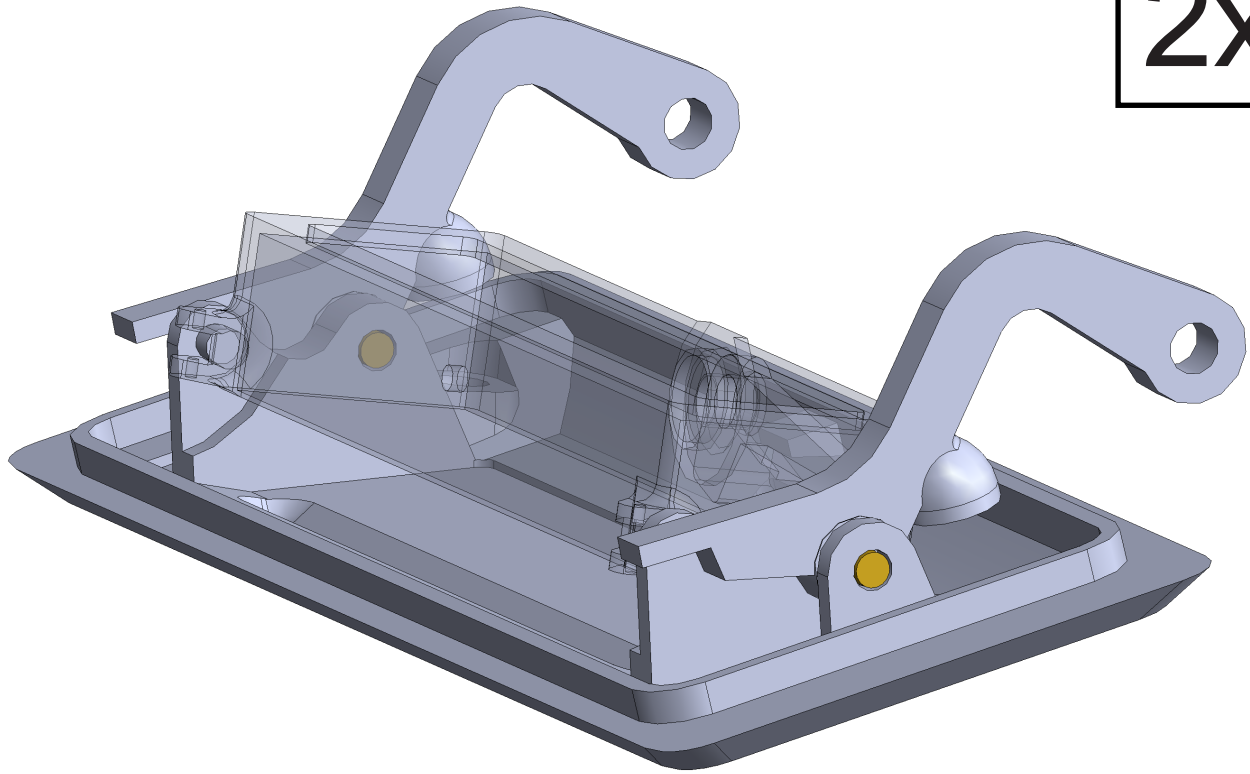
Assembly 02 - Upper Hull

2x

Connect part 02-01A+B+C with two parts 02-02A+B.
Do not use glue to join the parts if you want a functional visor.

Assembly 02 - Upper Hull

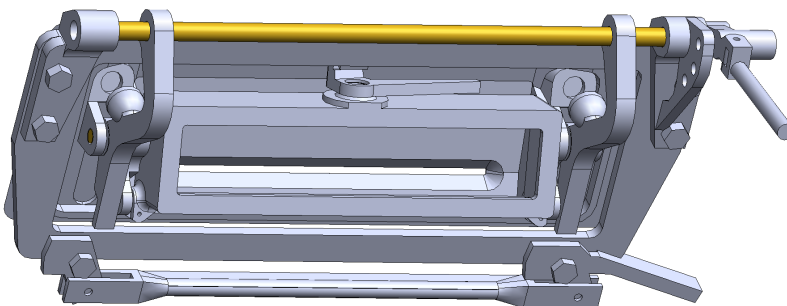
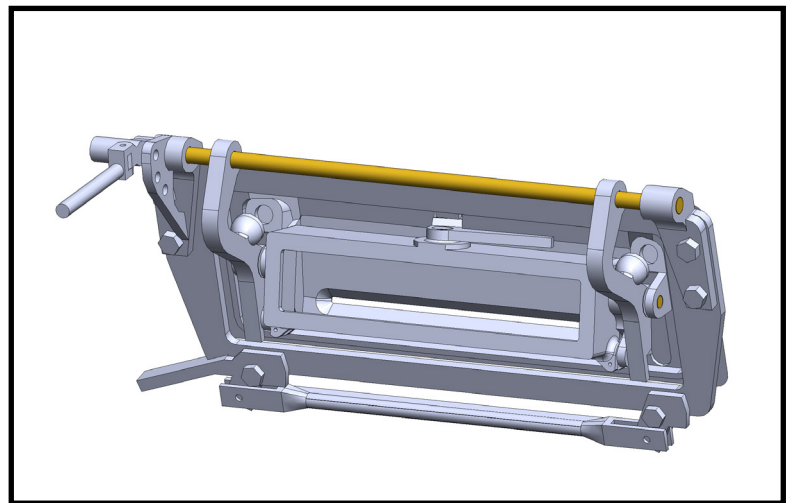
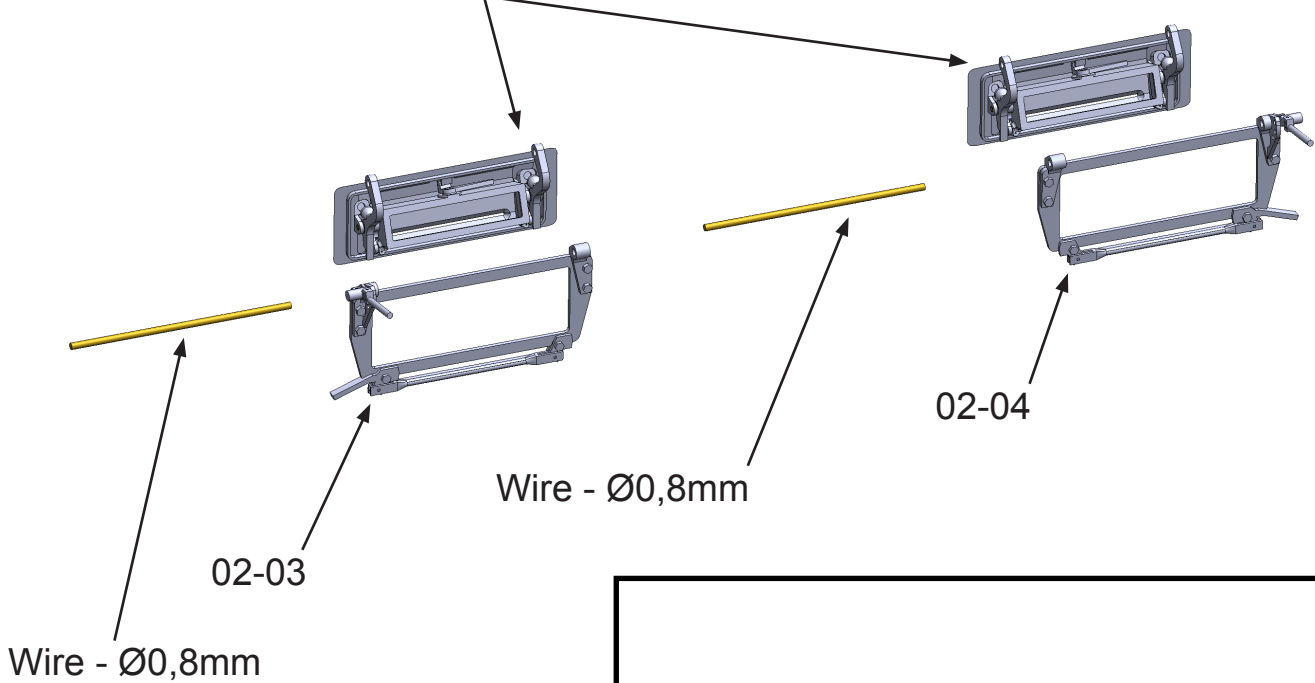
2x



Auxiliary views for installation of parts 02-01A+B+C and 02-02A+B.

Assembly 02 - Upper Hull

02-01A+B+C and 02-02A+B



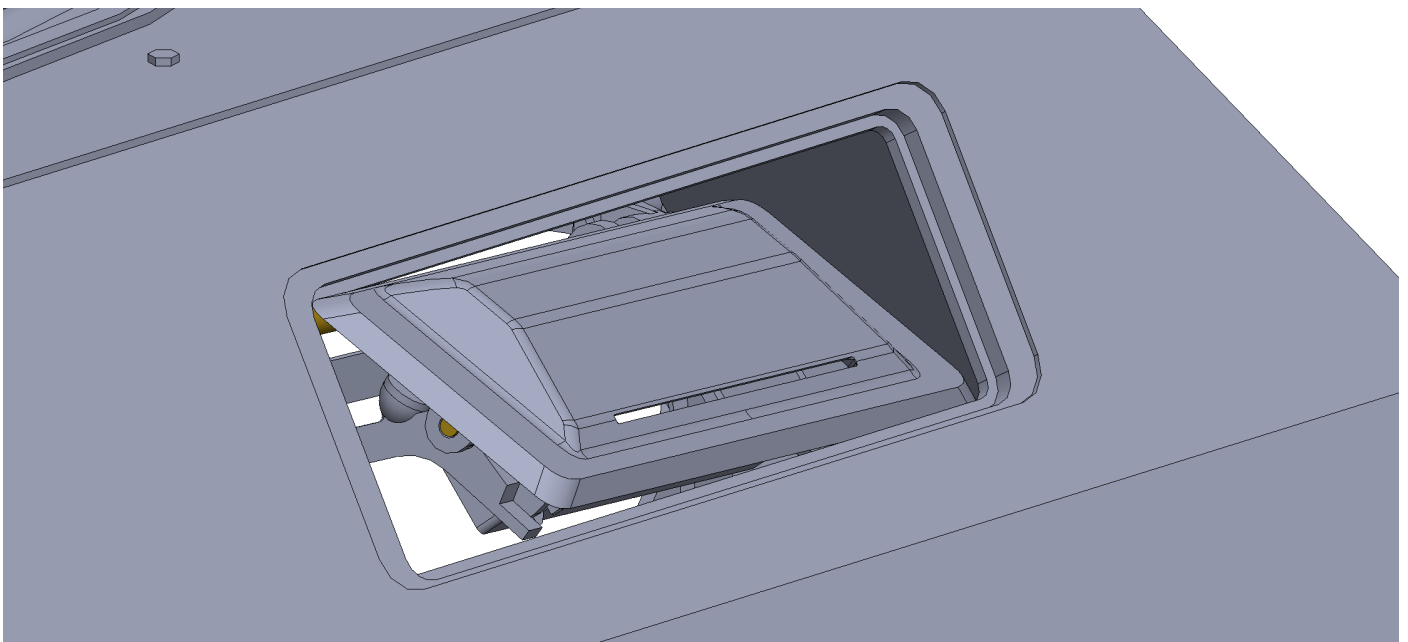
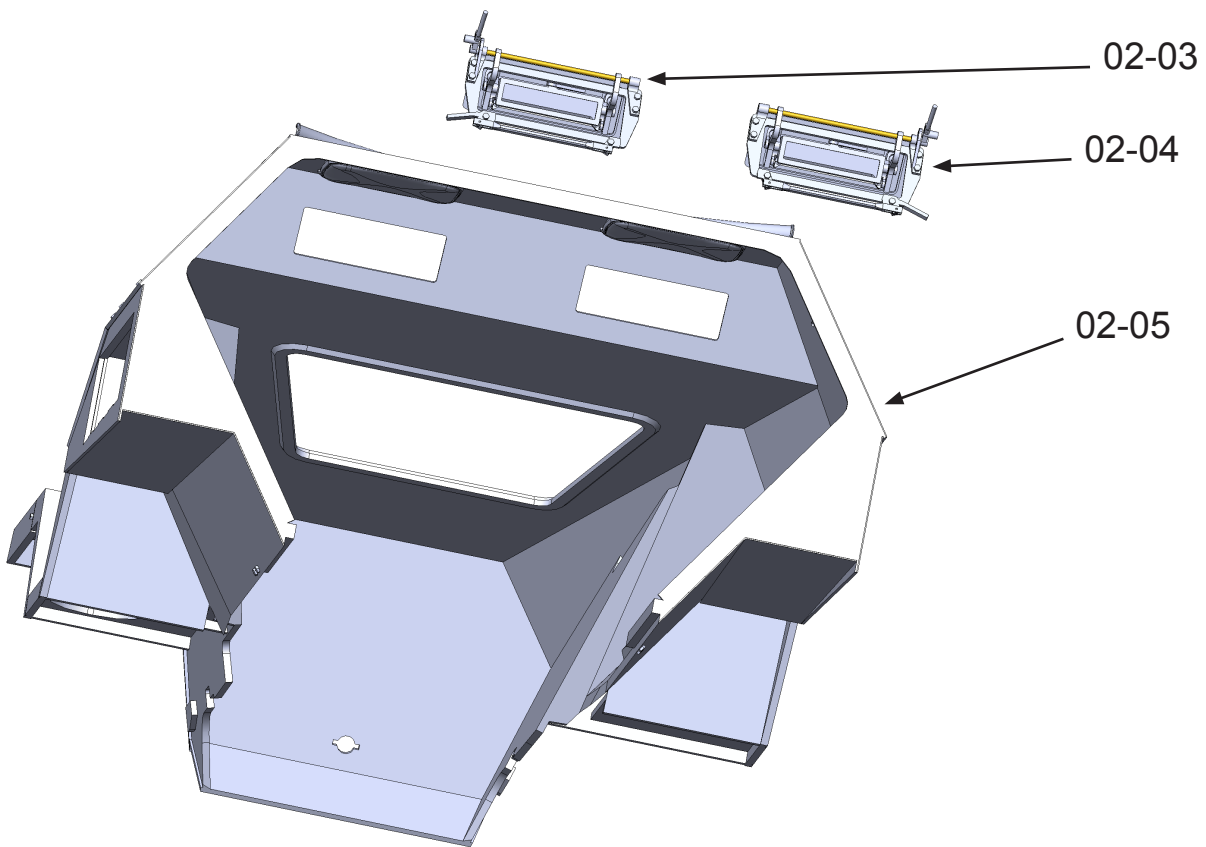
Connect parts 02-02A+B parts 02-03 and 02-04.

Use a 0.8mm diameter wire (length 28mm).

Fix the free end of the wire with glue.

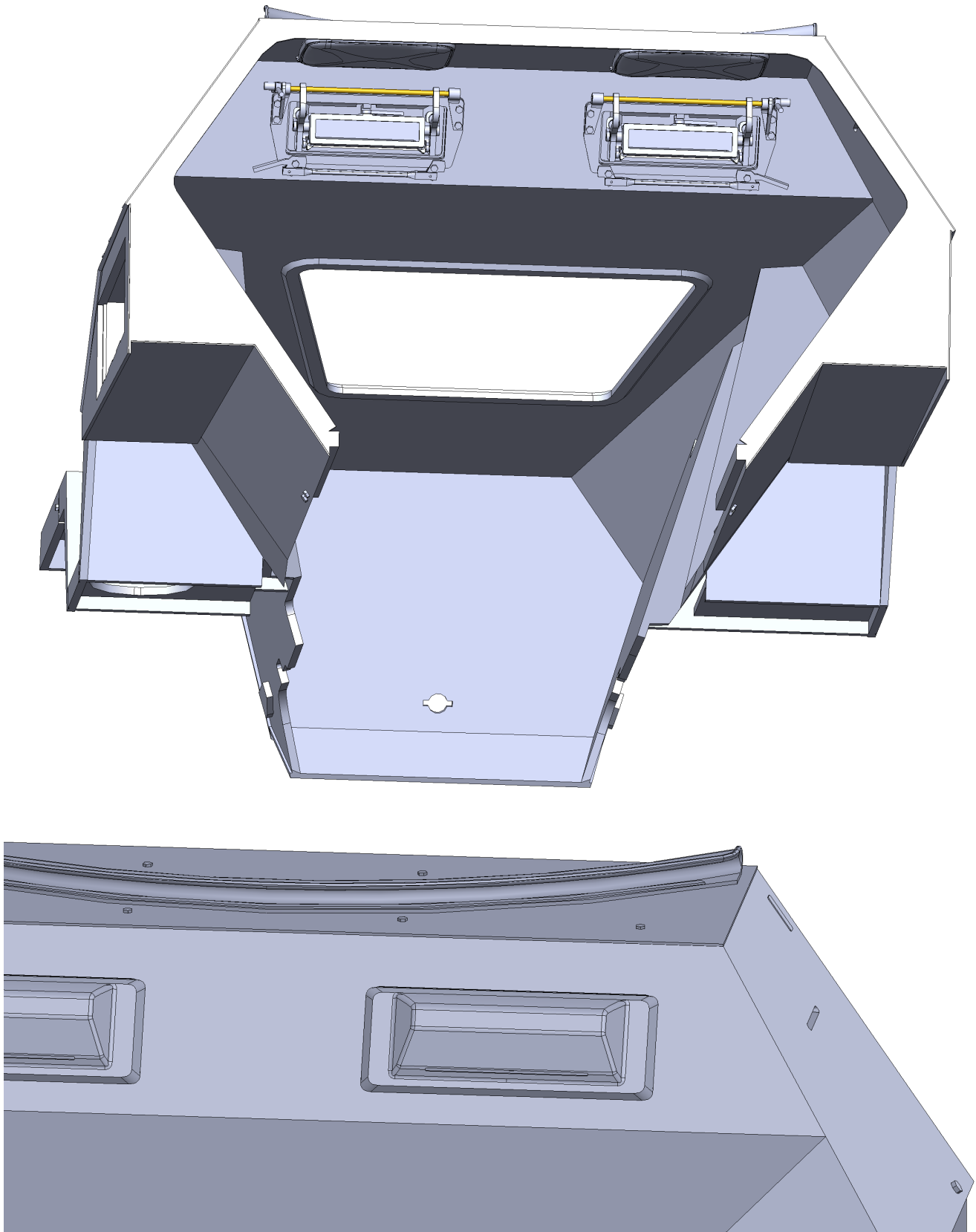
The parts must rotate freely if you want a functional visor.

Assembly 02 - Upper Hull



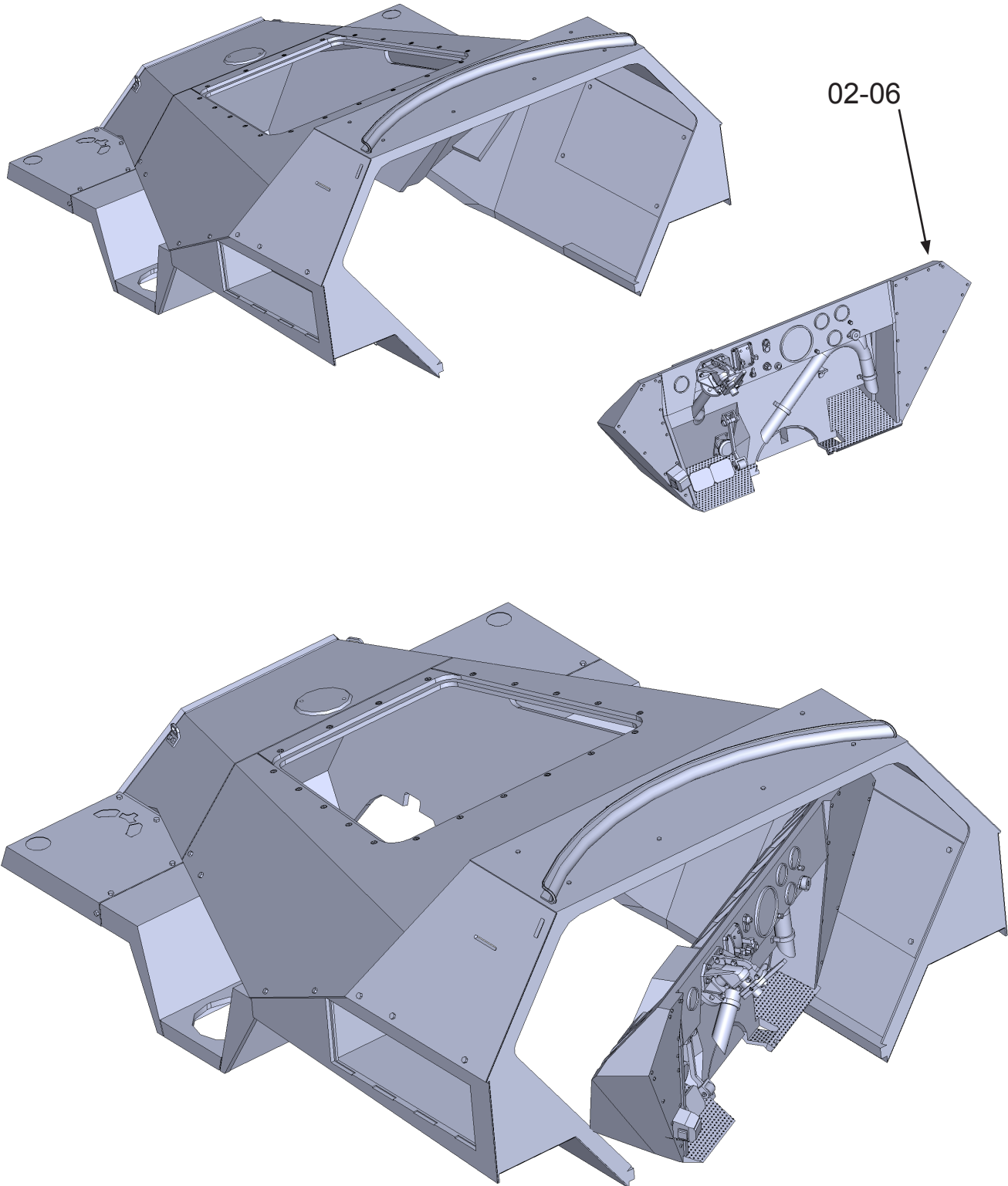
Slide the visors through the 02-05 part.
Then glue the parts 02-03 and 02-04 to part 02-05.
Insertion of visors is tricky. There is only one position in which they can be inserted.

Assembly 02 - Upper Hull



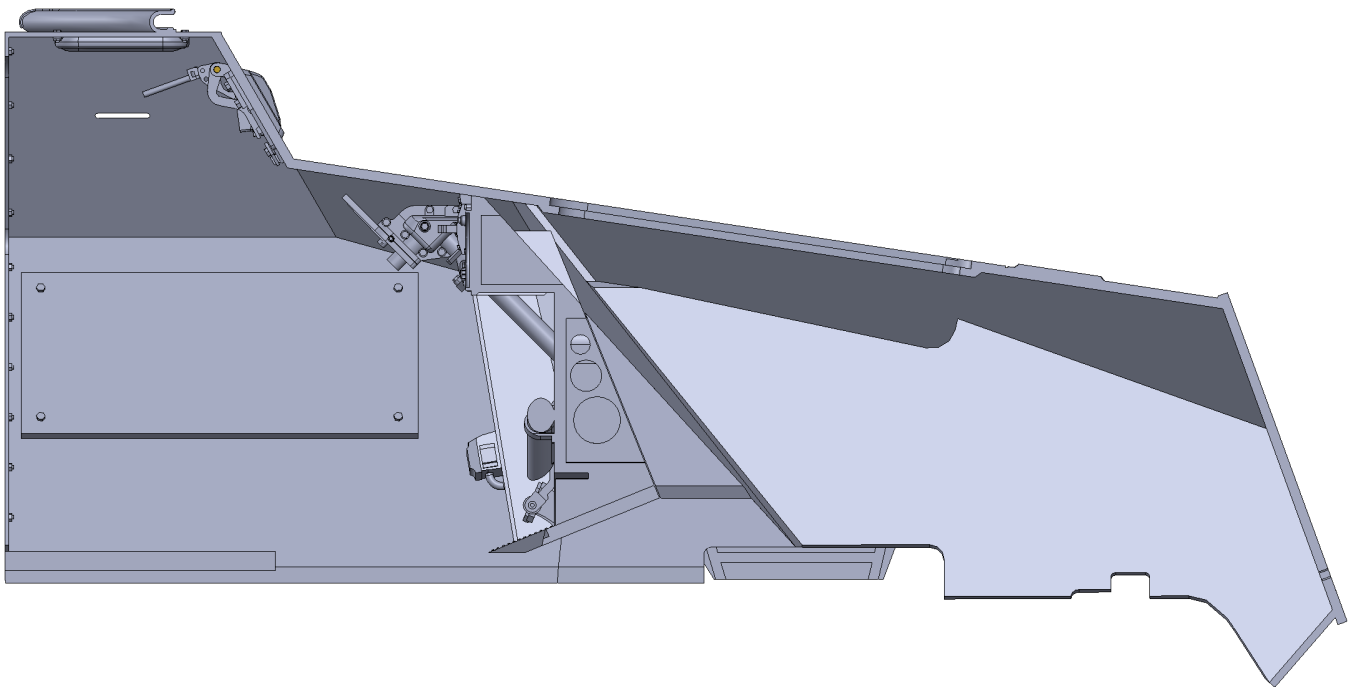
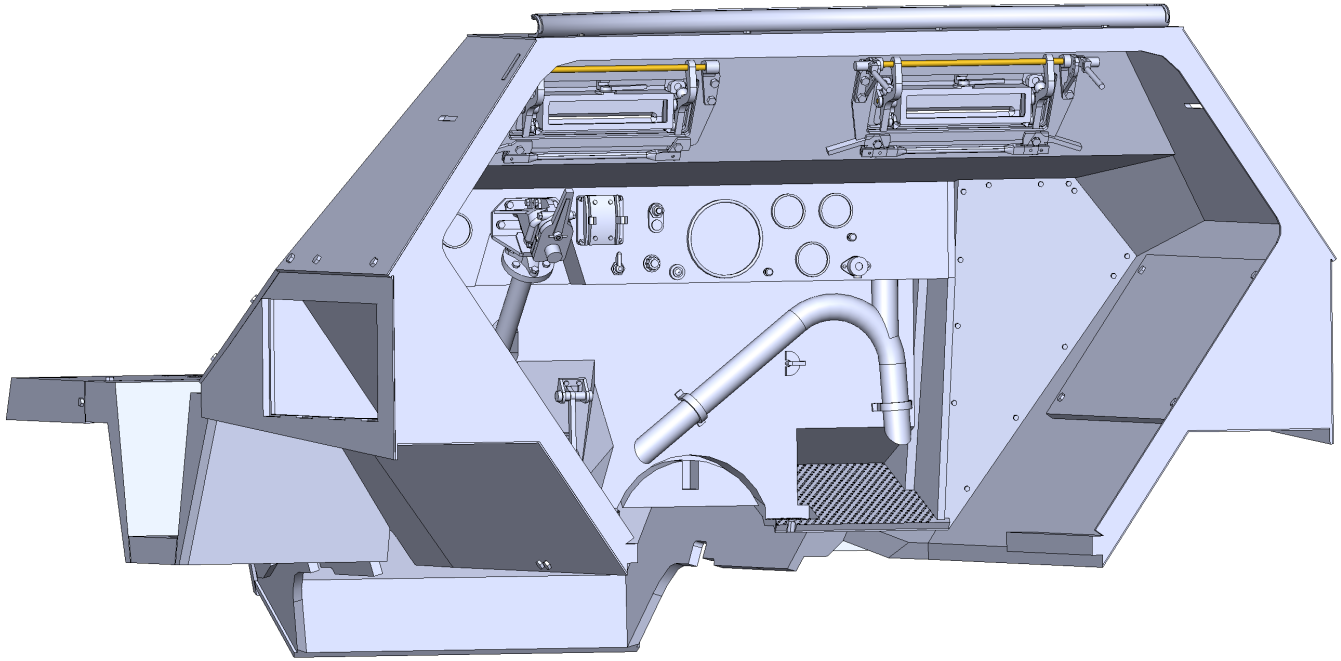
Auxiliary views for installation of visors.

Assembly 02 - Upper Hull



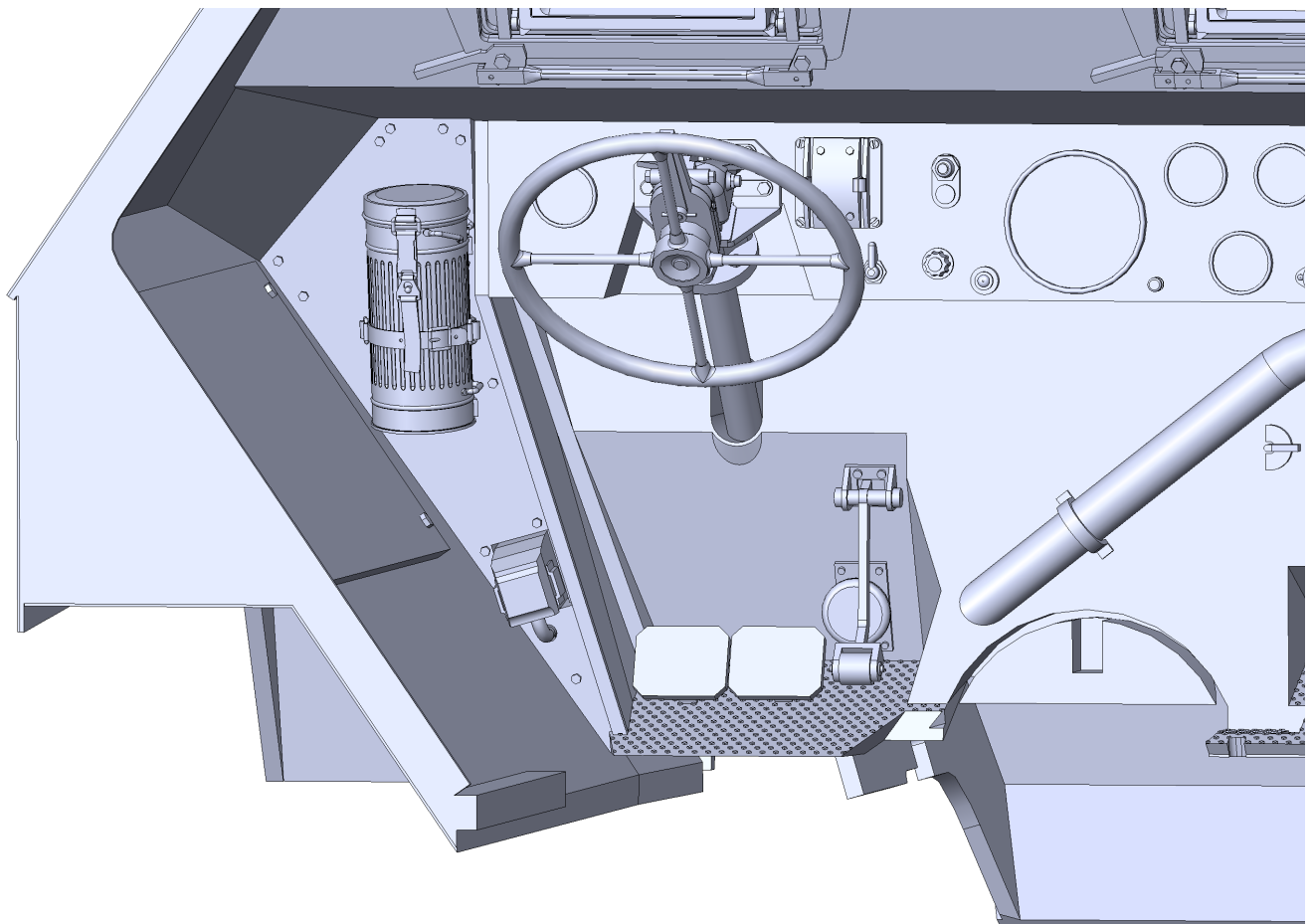
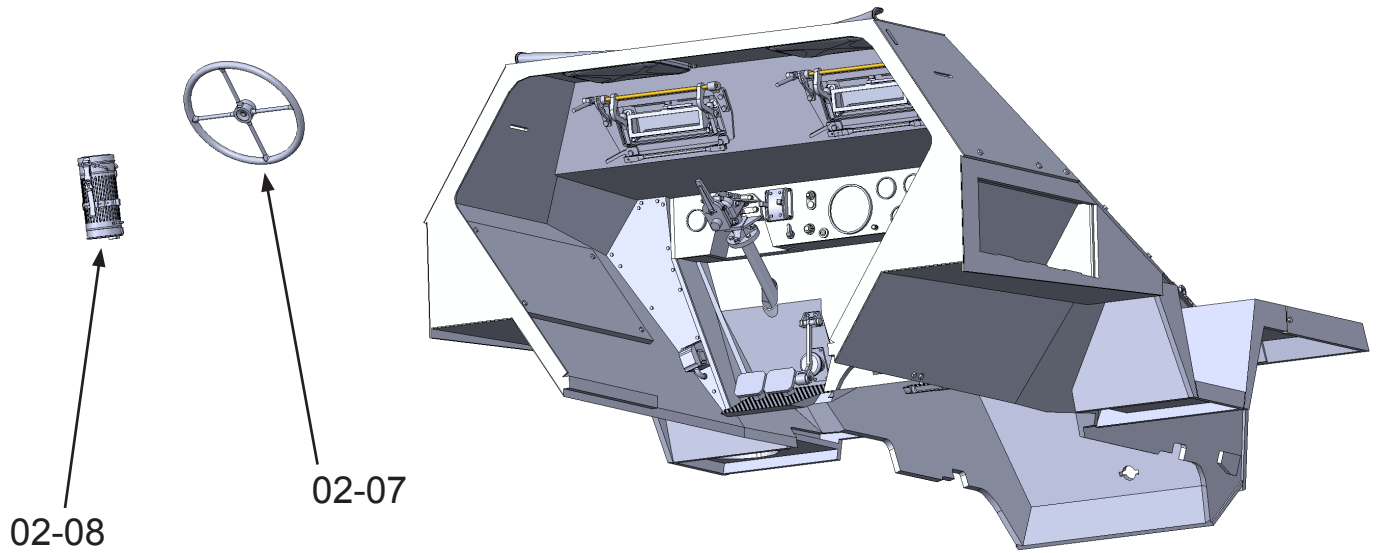
Insert part 02-06. You must insert it at an angle (bottom picture).
When you are sure it is in the right position, fix it with glue.
Apply the glue to the back side (engine compartment).

Assembly 02 - Upper Hull



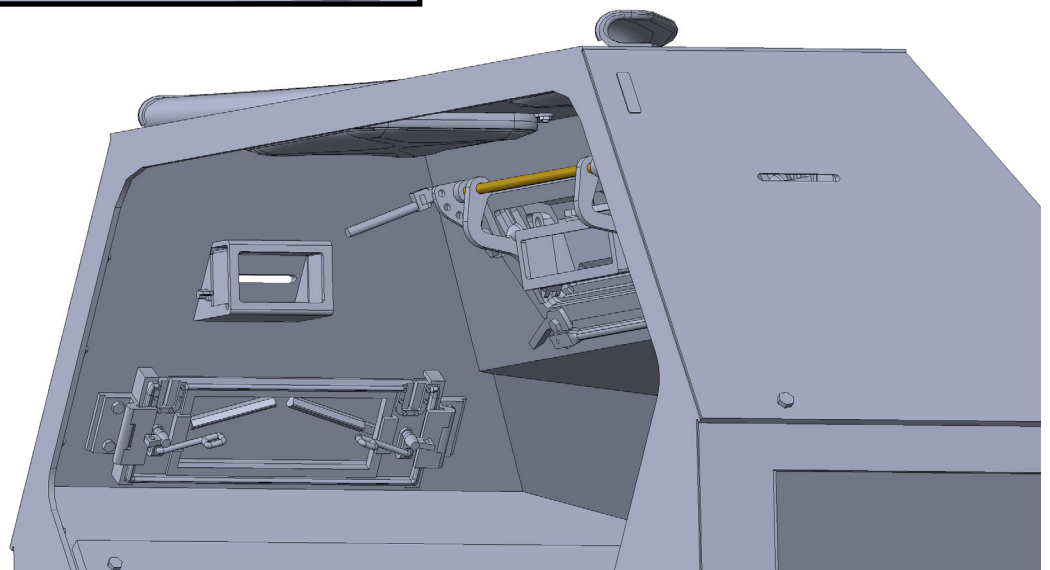
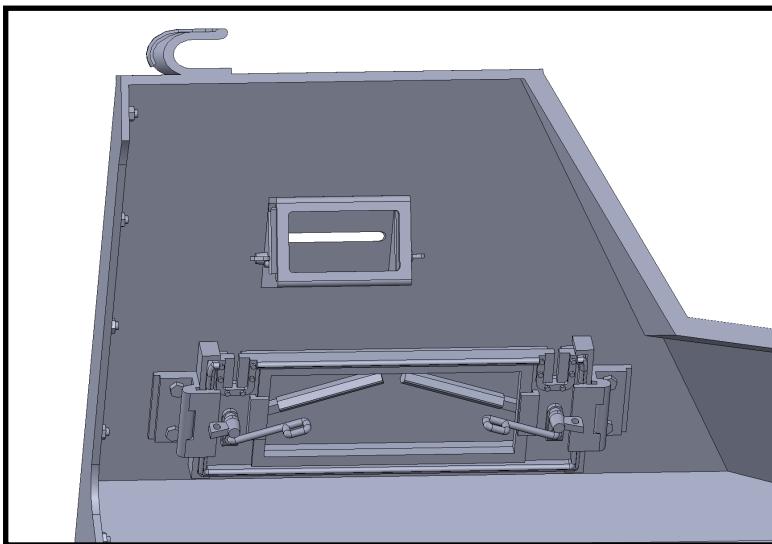
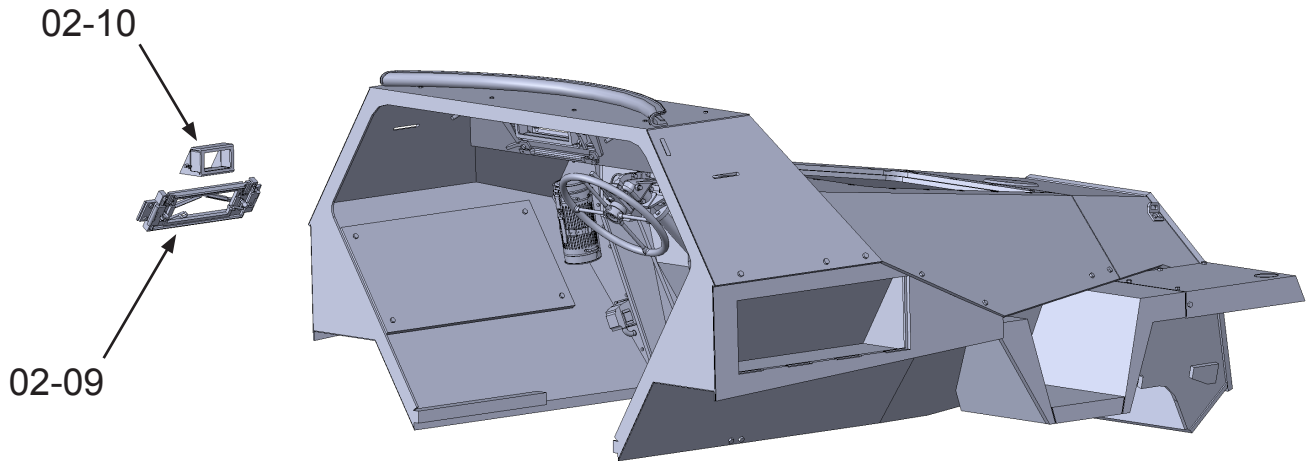
Auxiliary views for installation of part 02-06.

Assembly 02 - Upper Hull



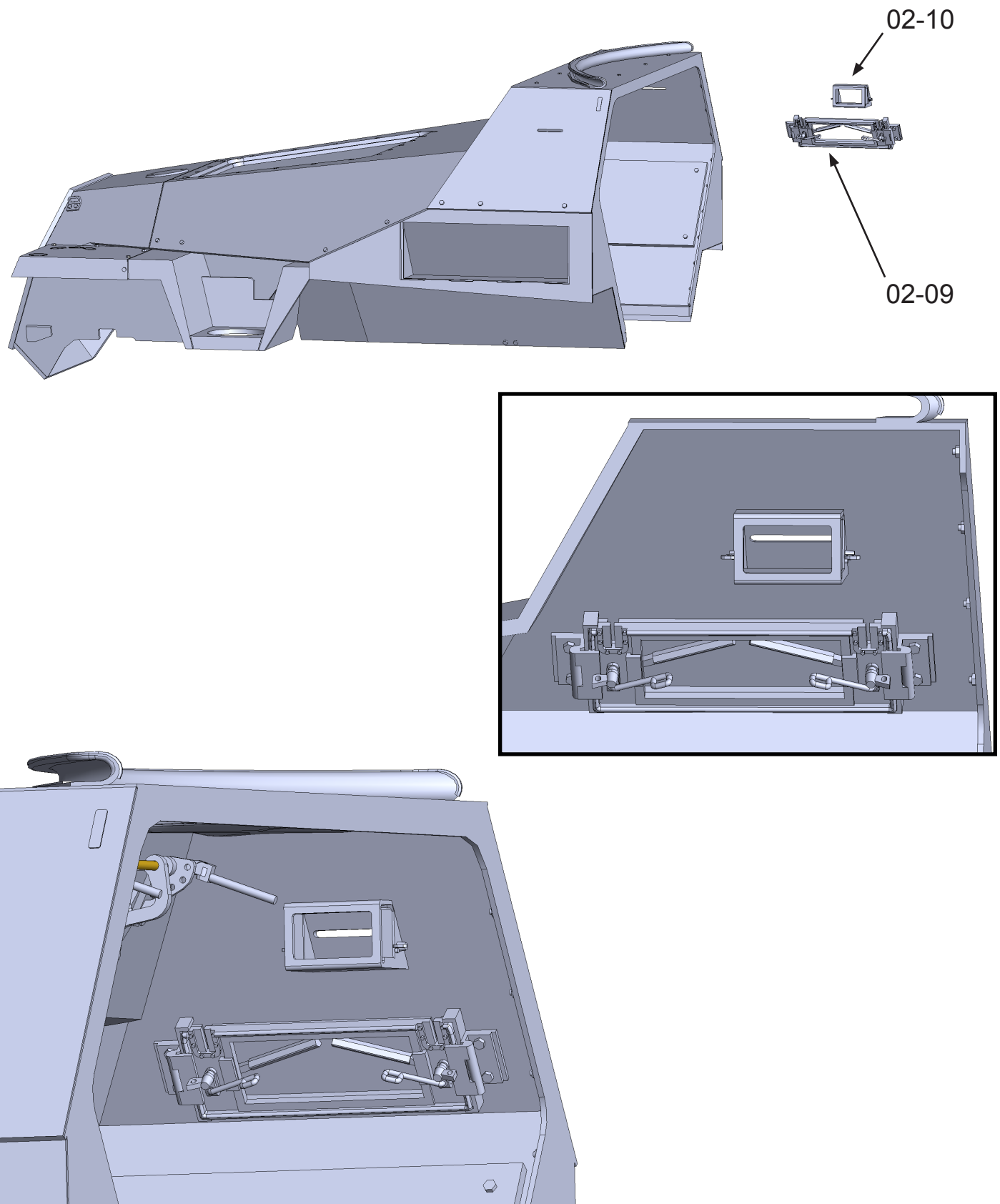
Glue parts 02-07 and 02-08.

Assembly 02 - Upper Hull



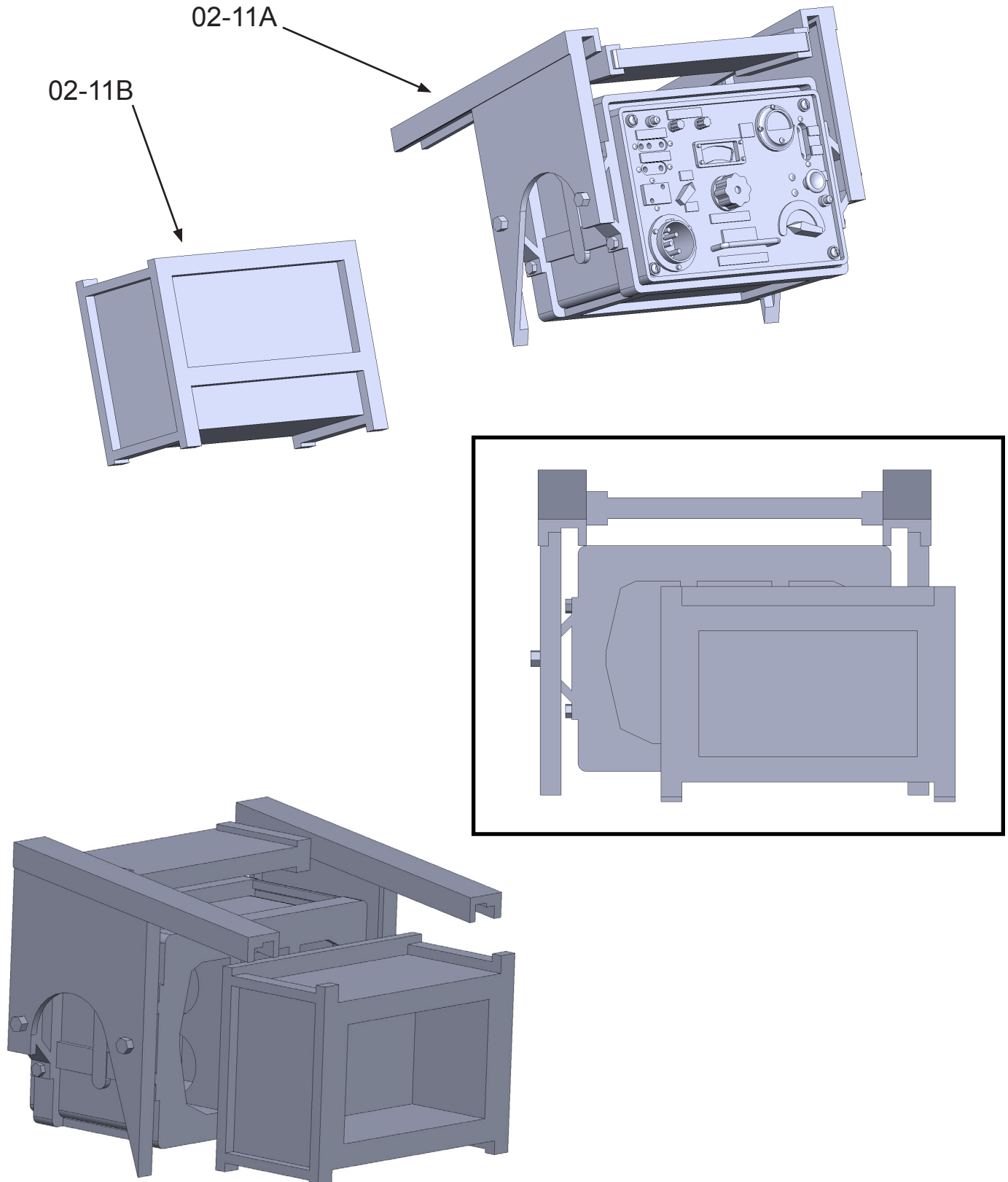
Glue parts 02-09 and 02-10.

Assembly 02 - Upper Hull

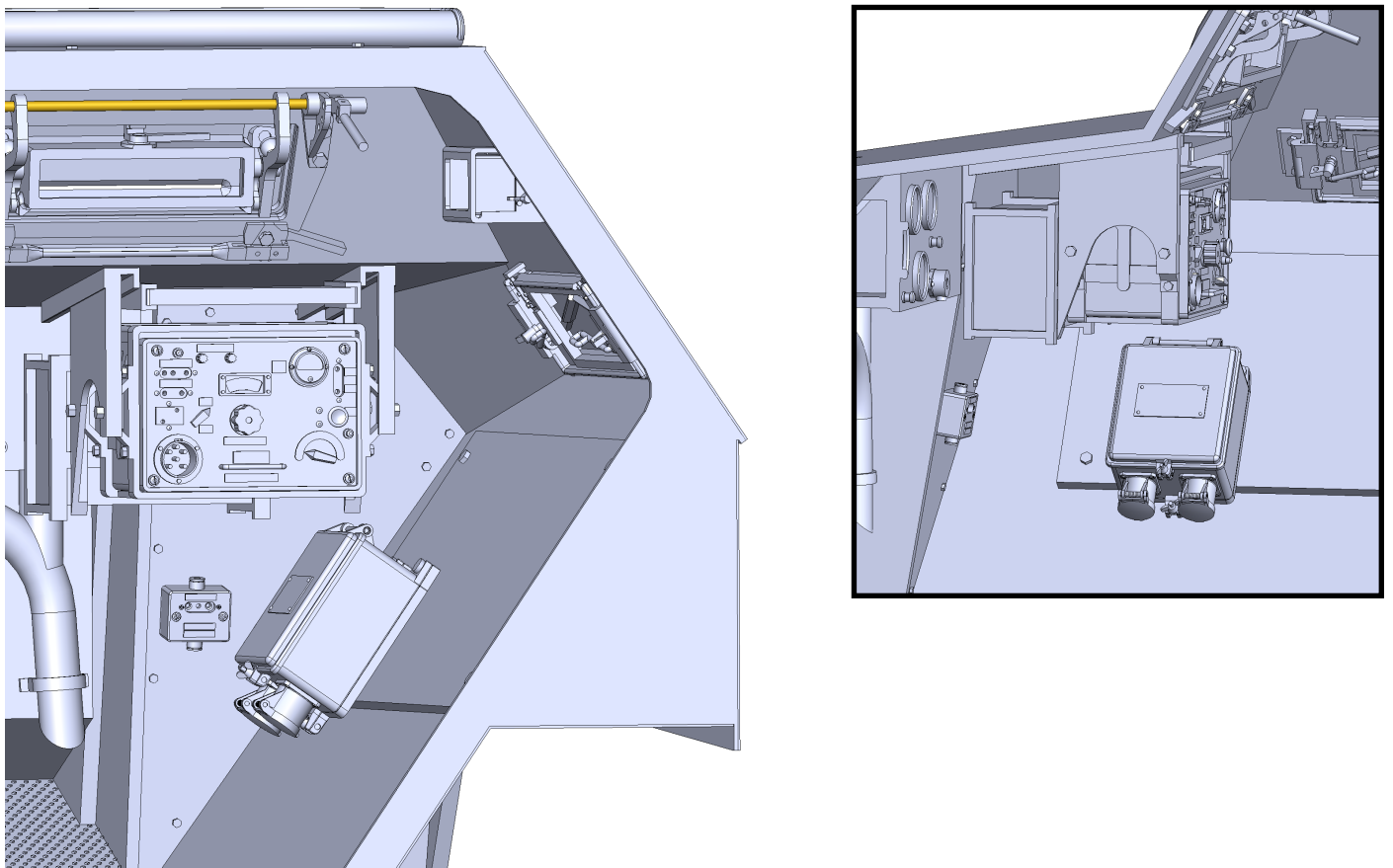
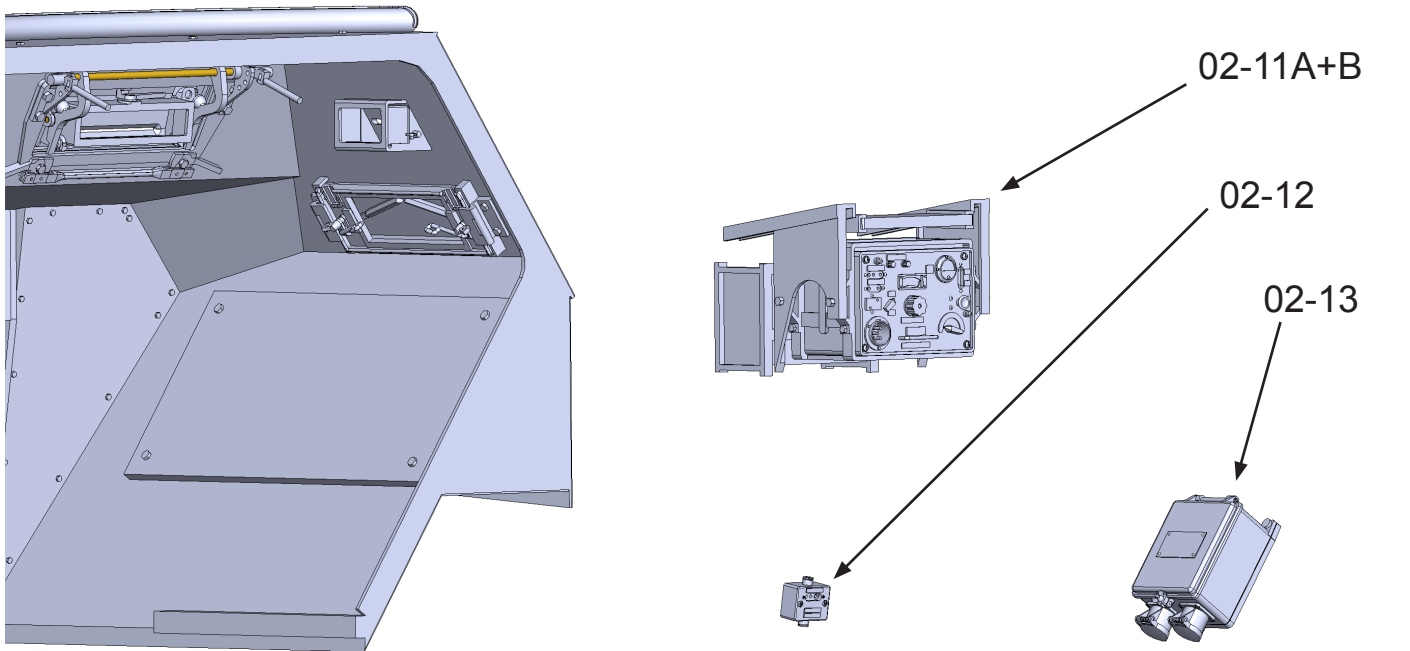


Repeat on the other side. Glue parts 02-09 and 02-10.

Assembly 02 - Upper Hull

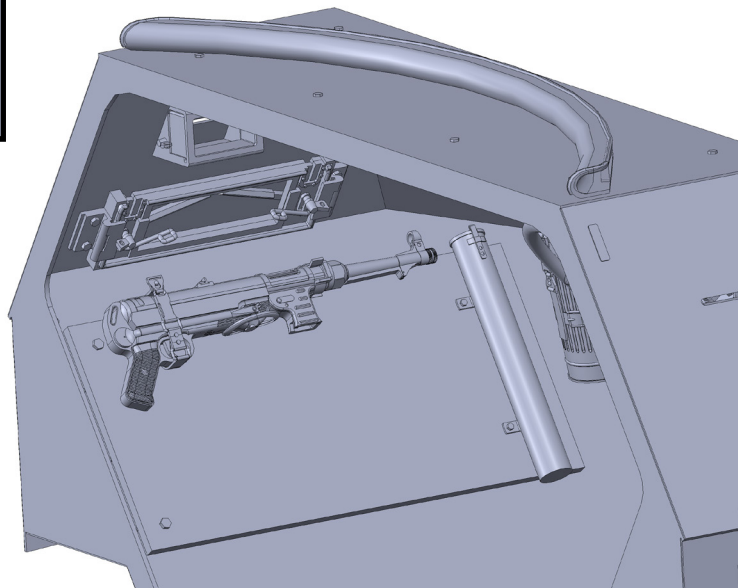
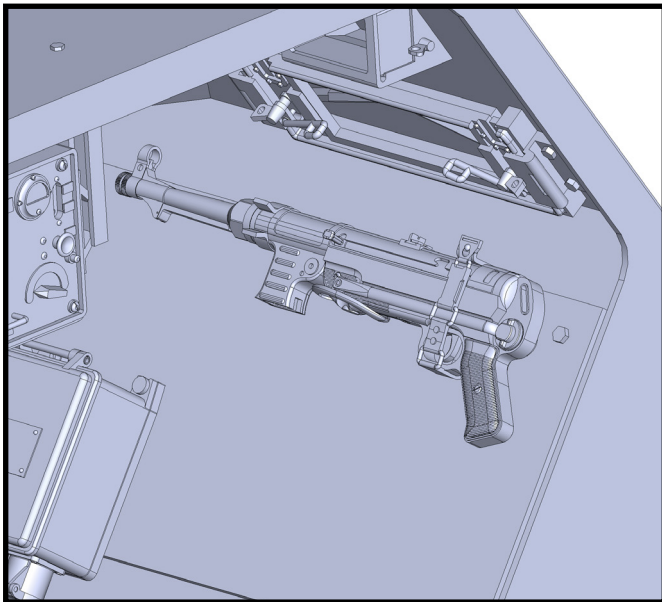
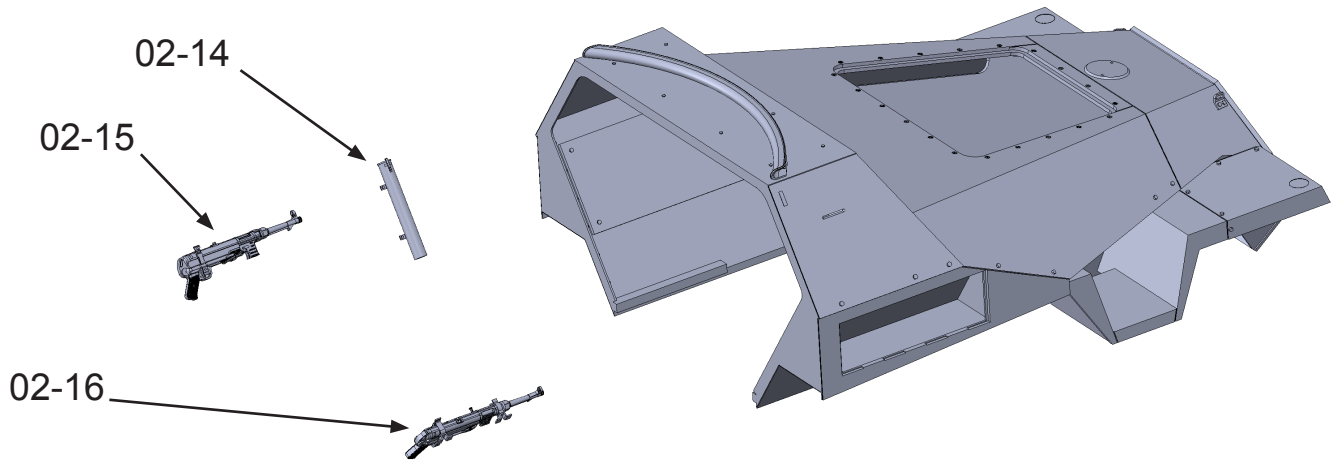


Assembly 02 - Upper Hull



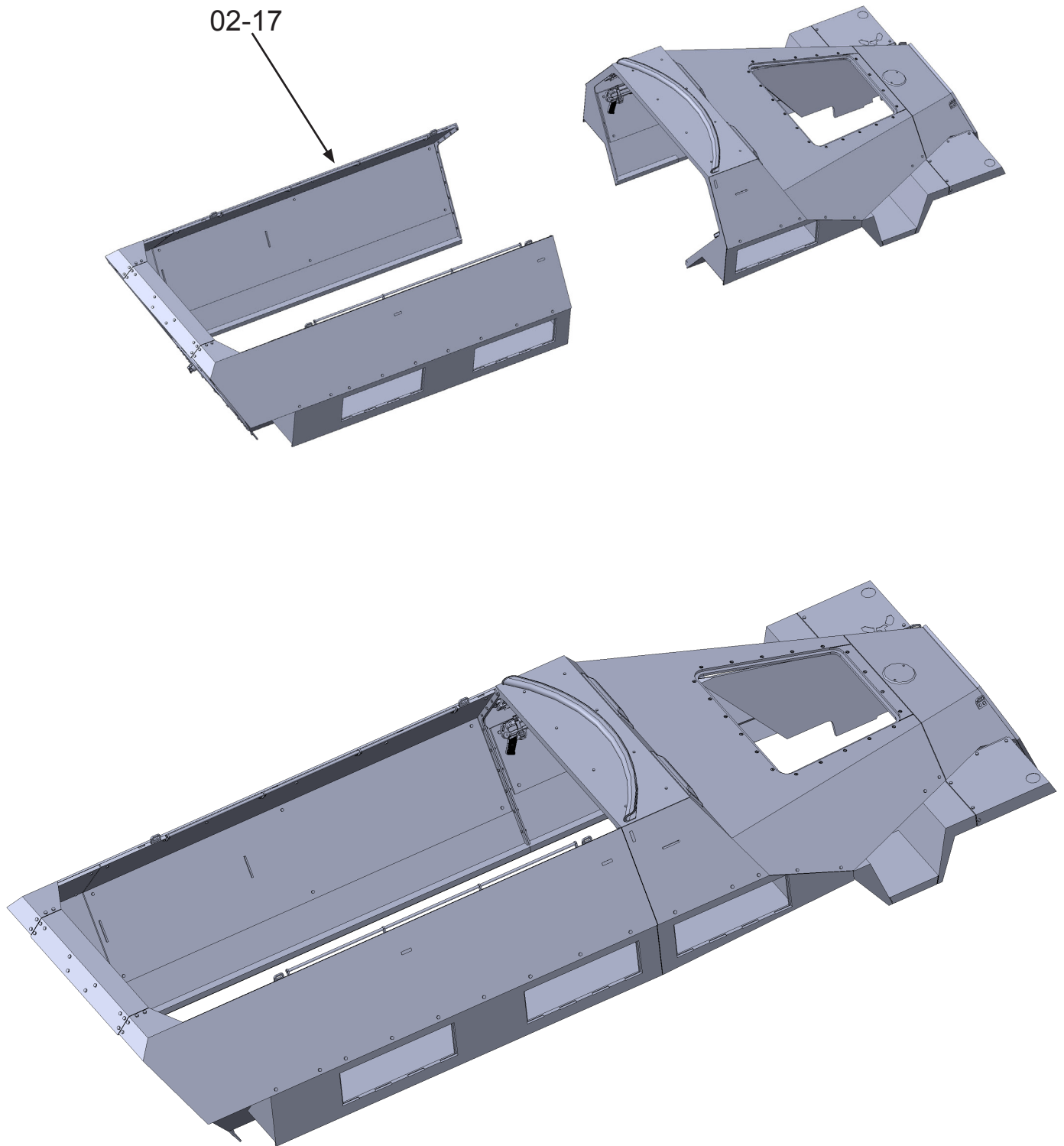
Glue parts 02-11A+B, 02-12 and 02-13.

Assembly 02 - Upper Hull



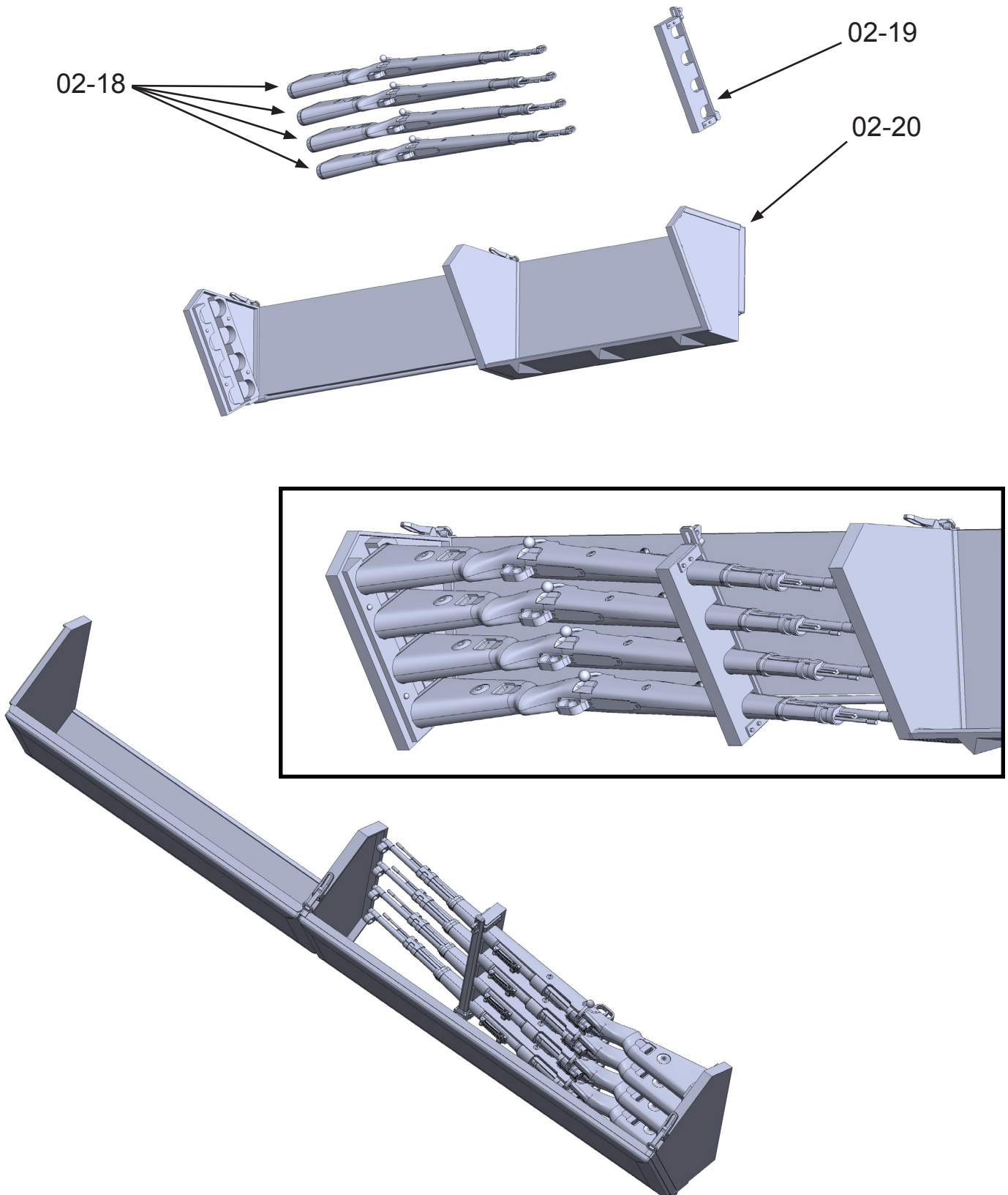
Glue parts 02-14, 02-15 and 02-16.

Assembly 02 - Upper Hull

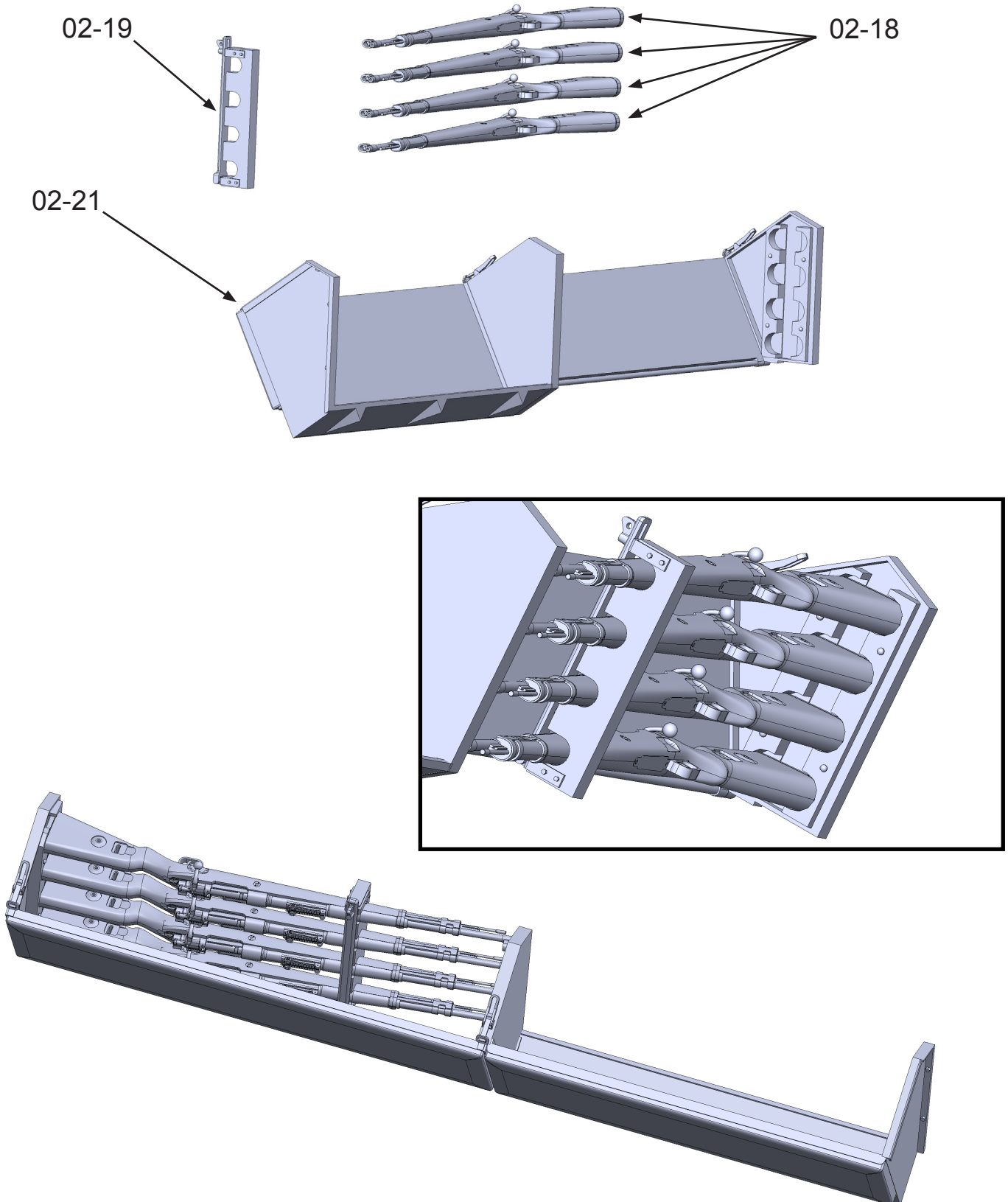


Glue part 02-17.

Assembly 02 - Upper Hull



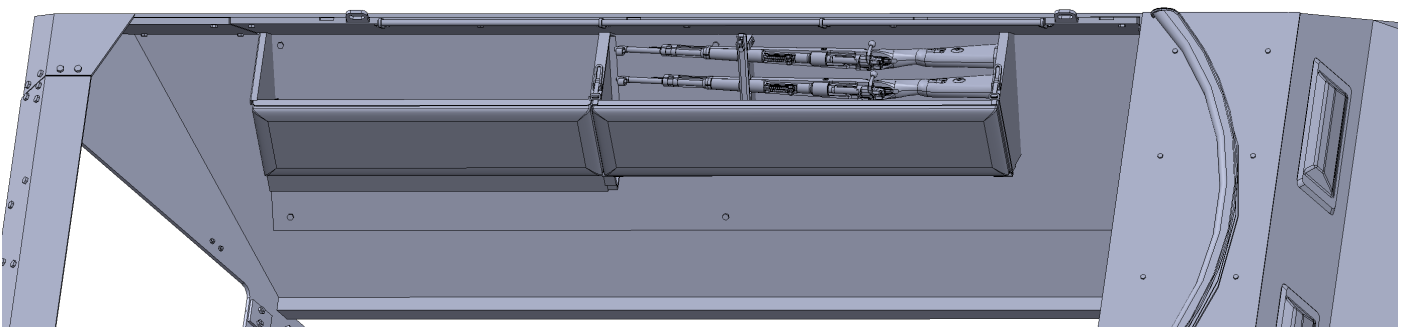
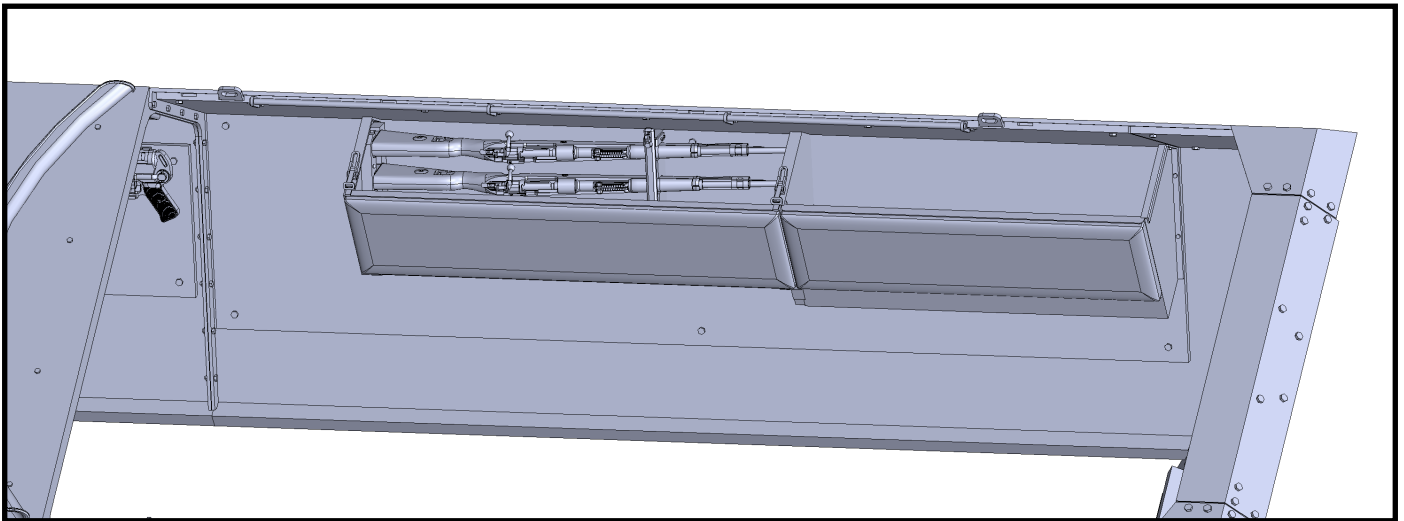
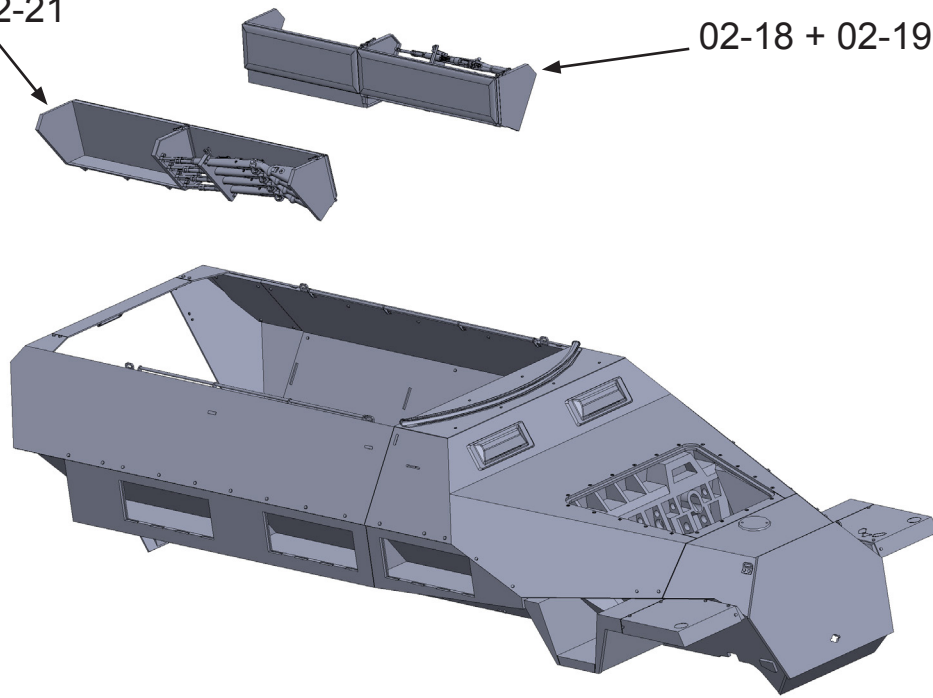
Assembly 02 - Upper Hull



Assembly 02 - Upper Hull

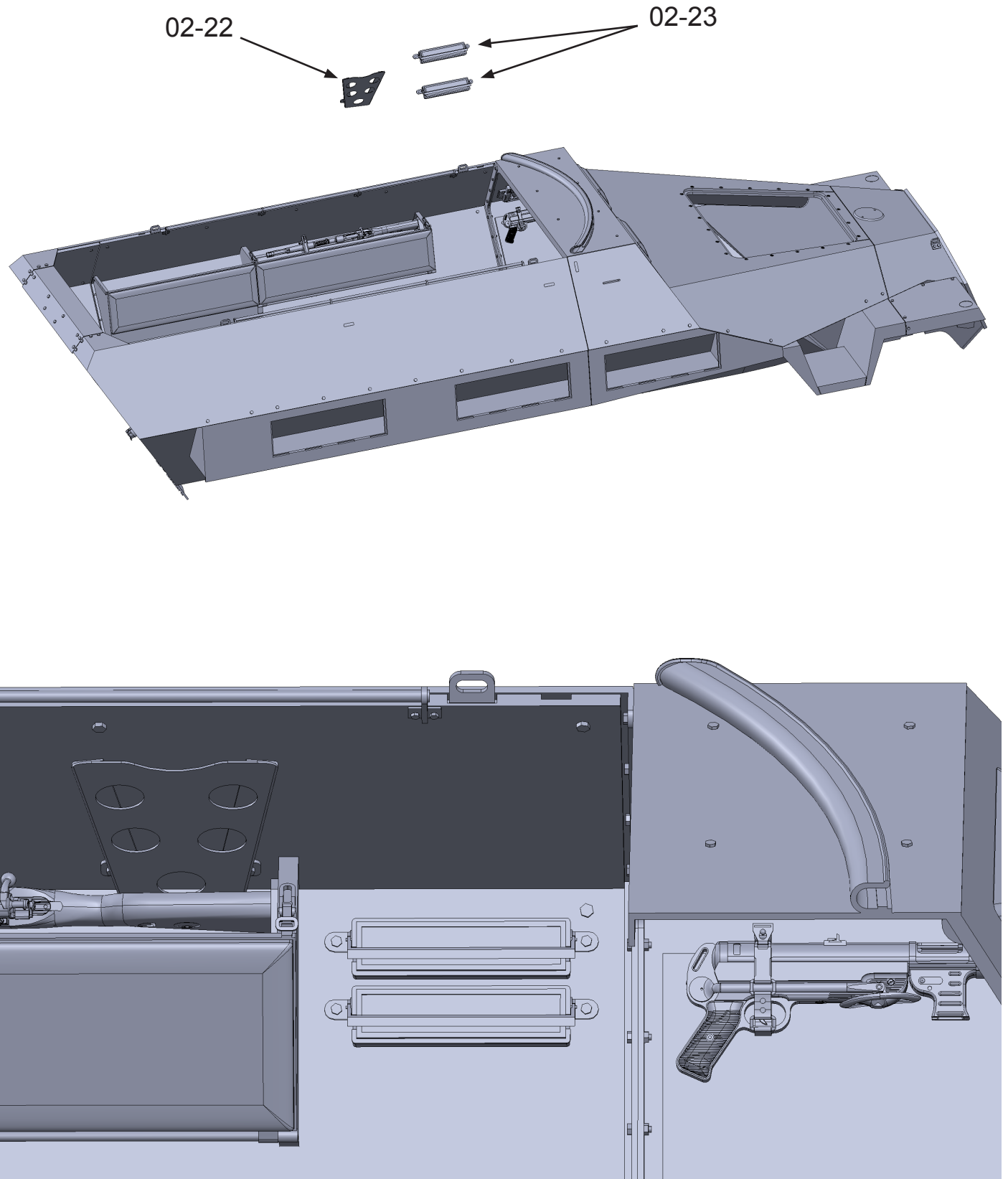
02-18 + 02-19 + 02-21

02-18 + 02-19 + 02-20



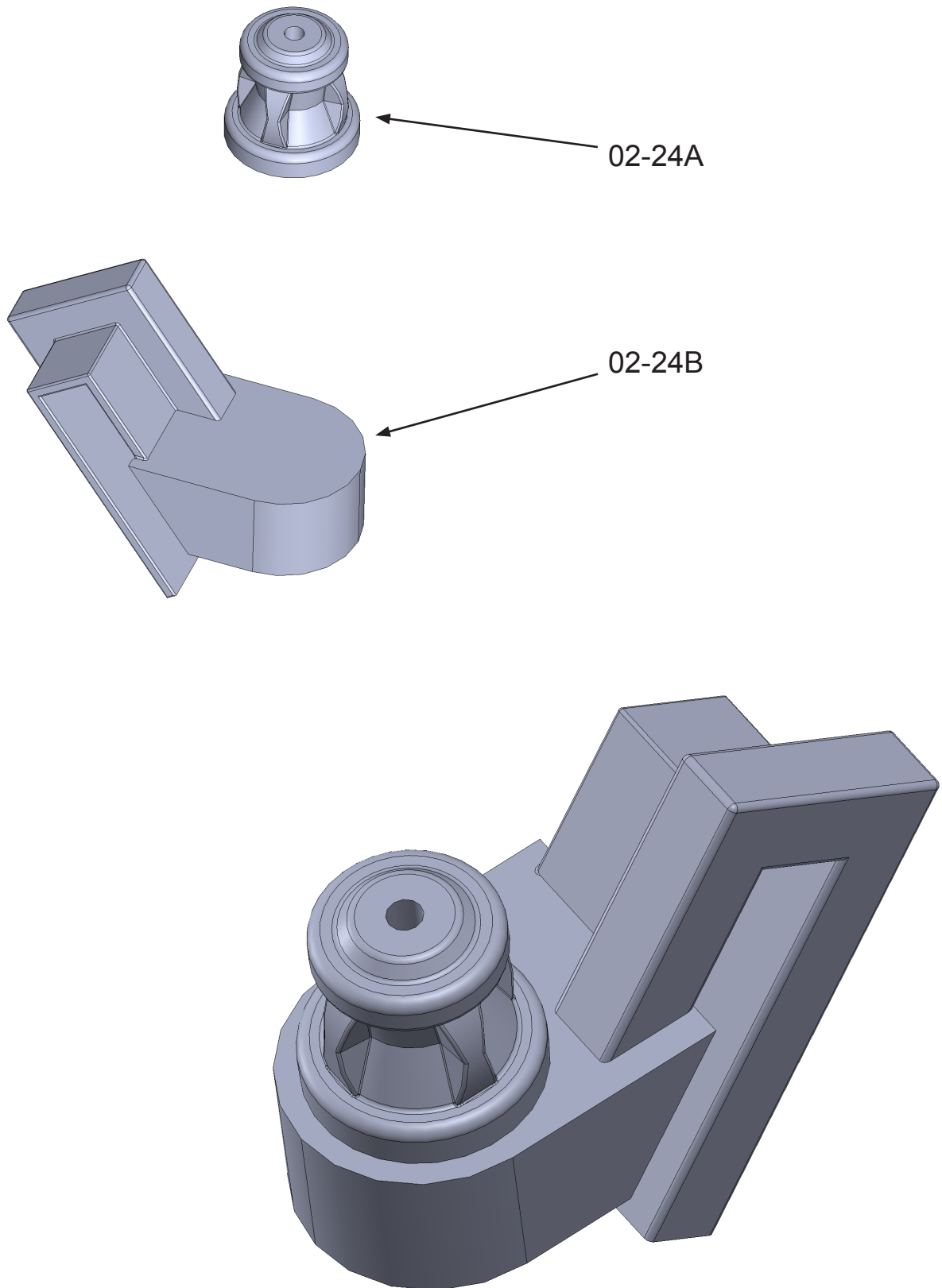
Glue parts 02-18, 02-19, 02-20 and 02-21 to part 02-17.

Assembly 02 - Upper Hull



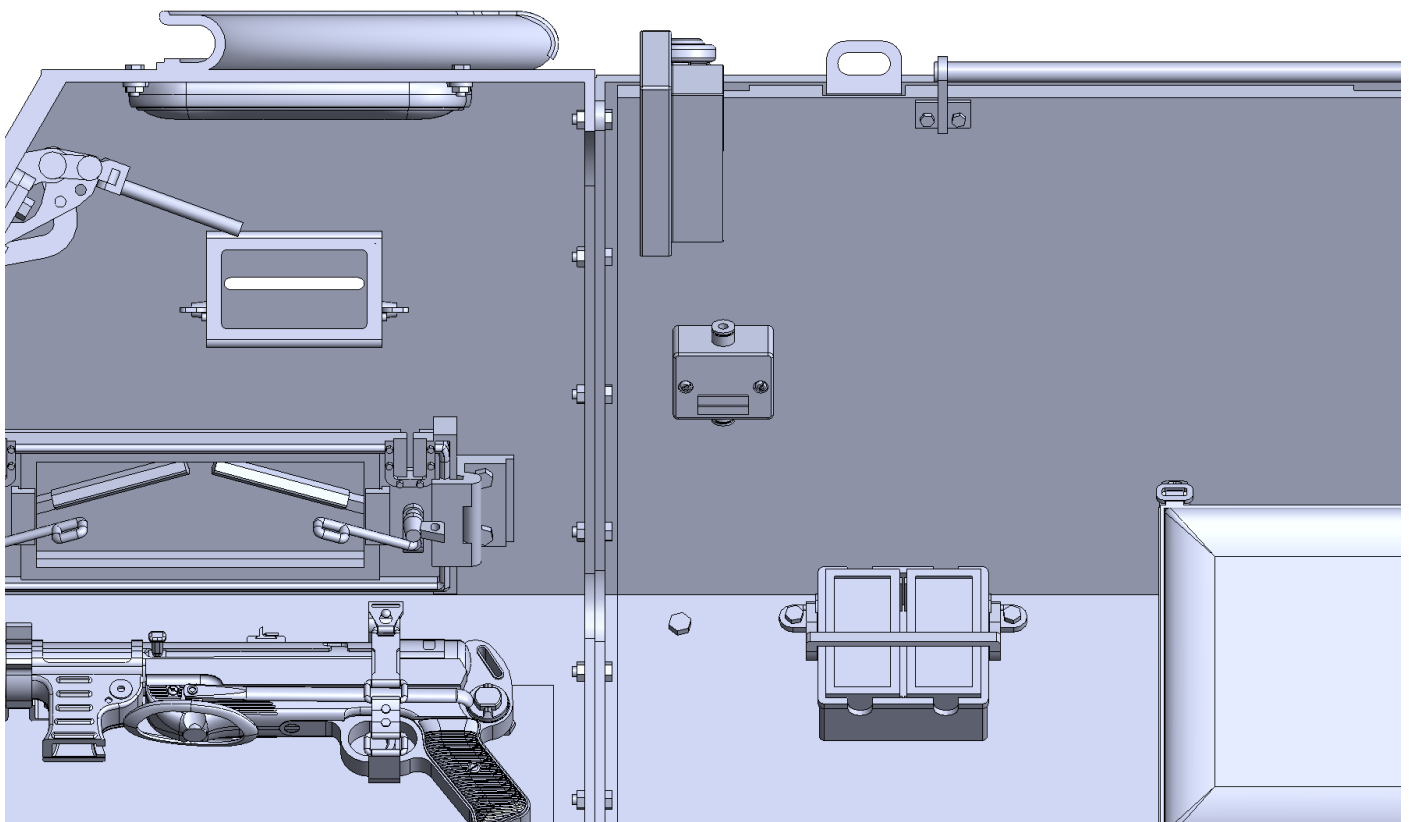
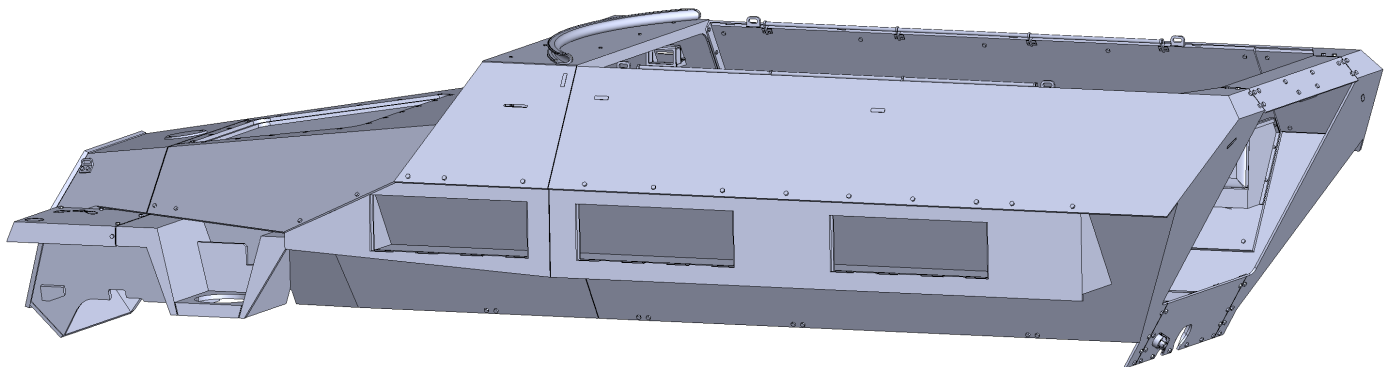
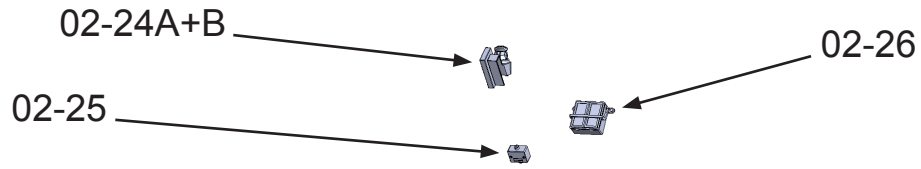
Glue parts 02-22 and 02-23 (or 02-23_alt) to part 02-17.

Assembly 02 - Upper Hull



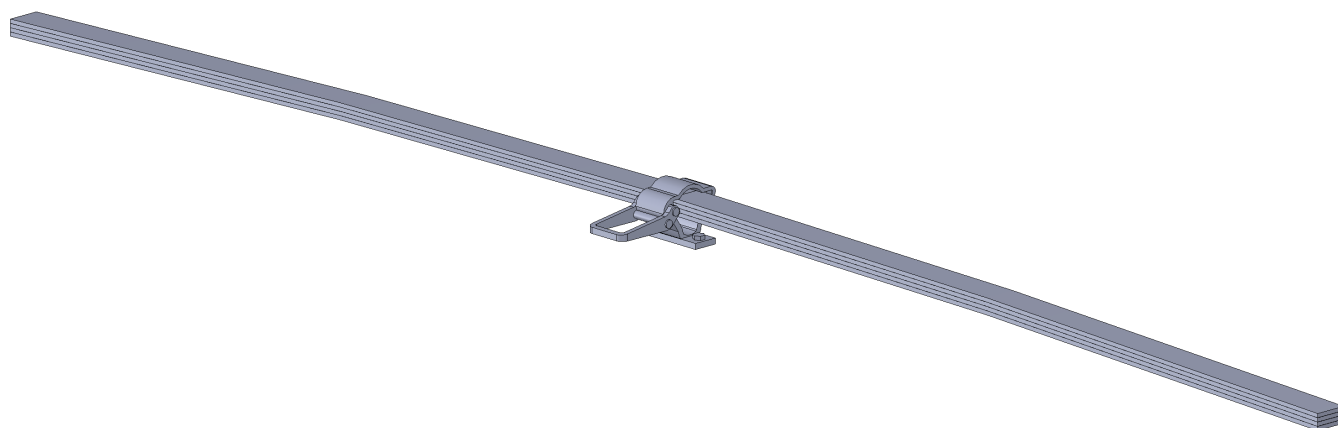
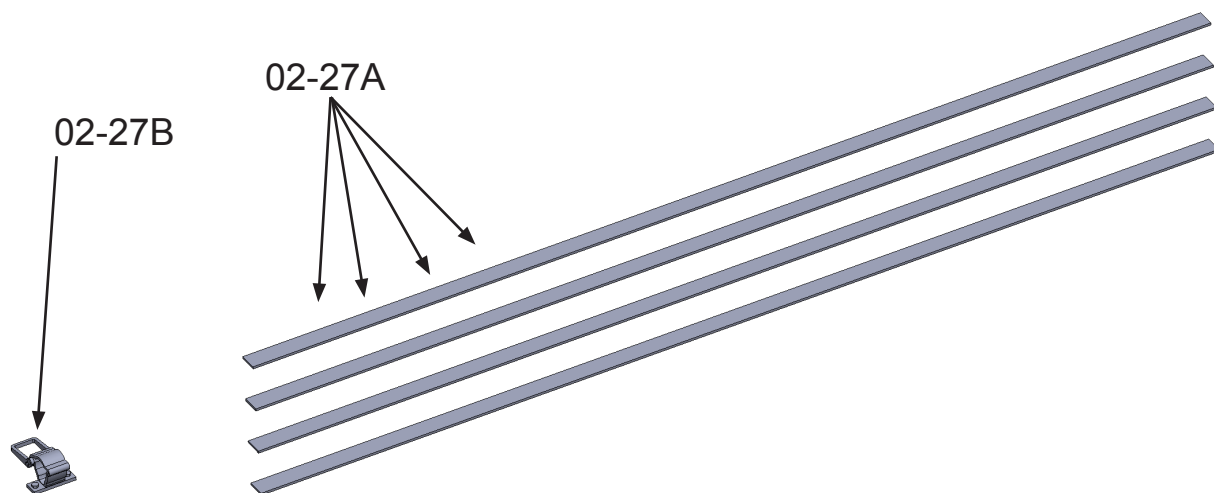
Glue together parts 02-24A and 02-24B.

Assembly 02 - Upper Hull



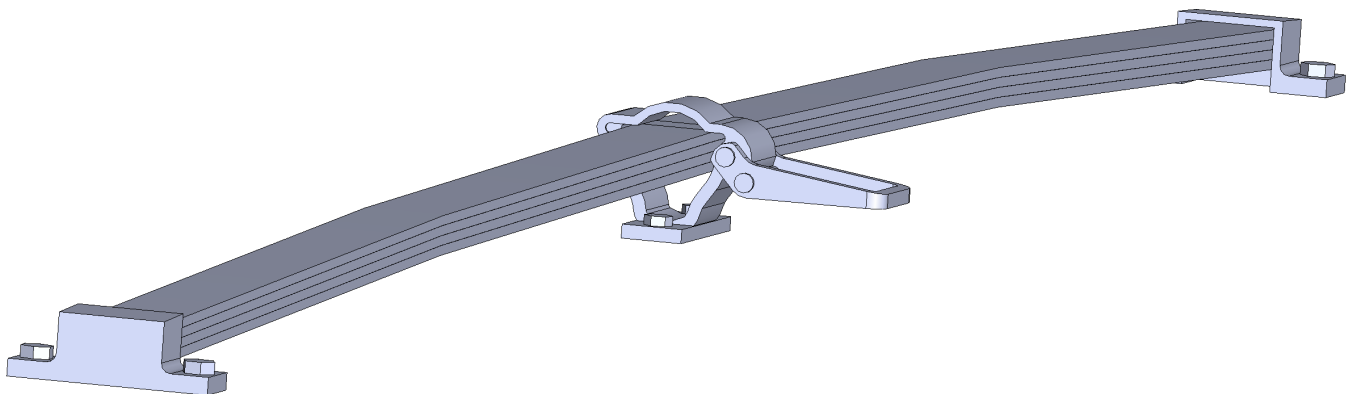
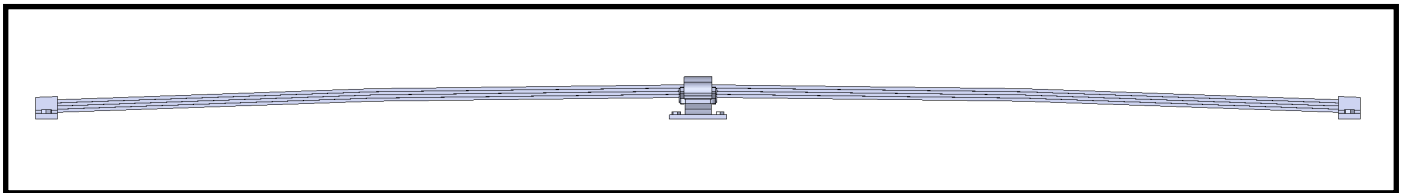
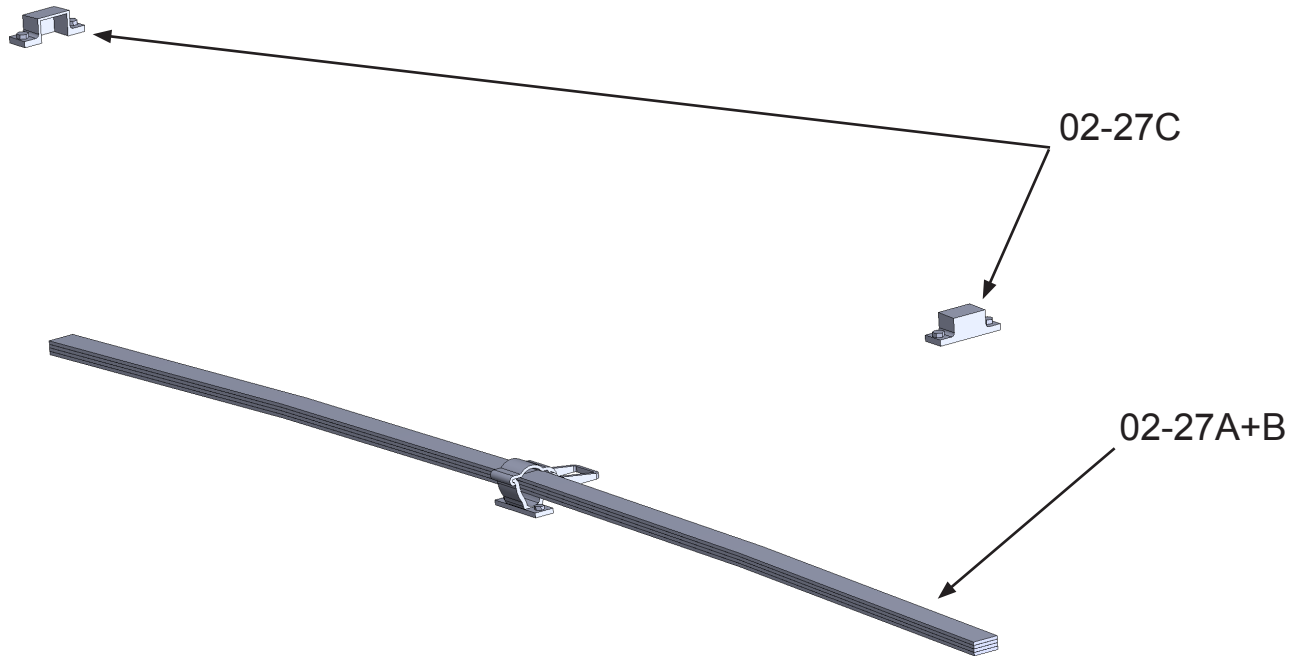
Glue parts 02-24A+B, 02-25 and 02-26 to part 02-17.

Assembly 02 - Upper Hull



Insert four parts 02-27A into part 02-27B.
Do not glue the parts together.

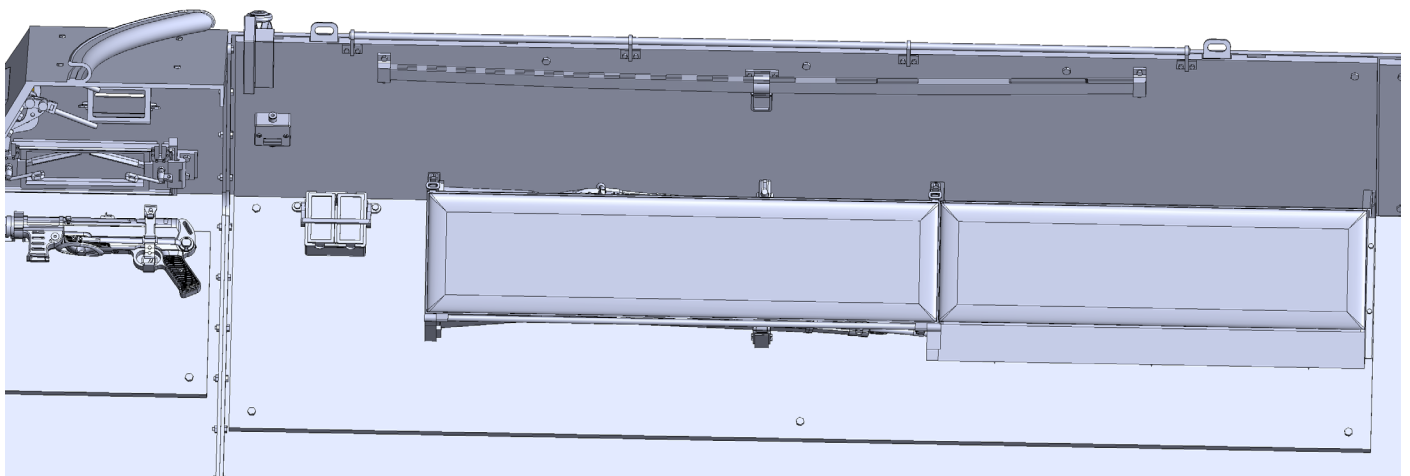
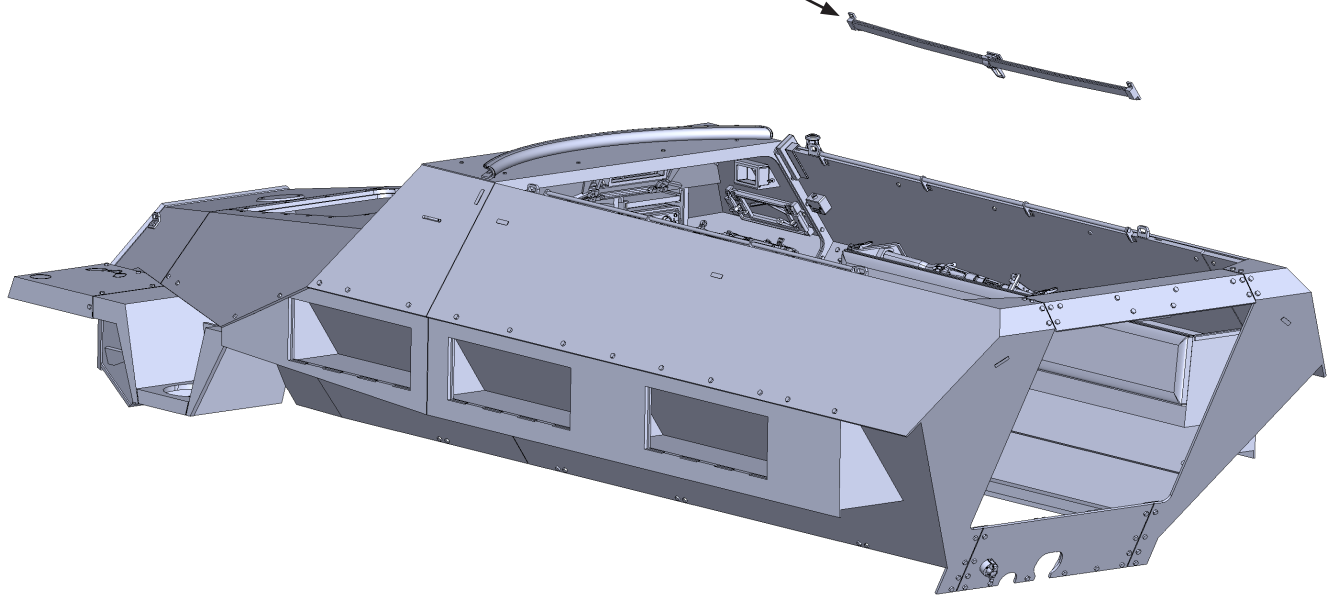
Assembly 02 - Upper Hull



Add parts 02-27C.
After careful alignment, drip glue into the inside of parts 02-27C
to fix the whole assembly.

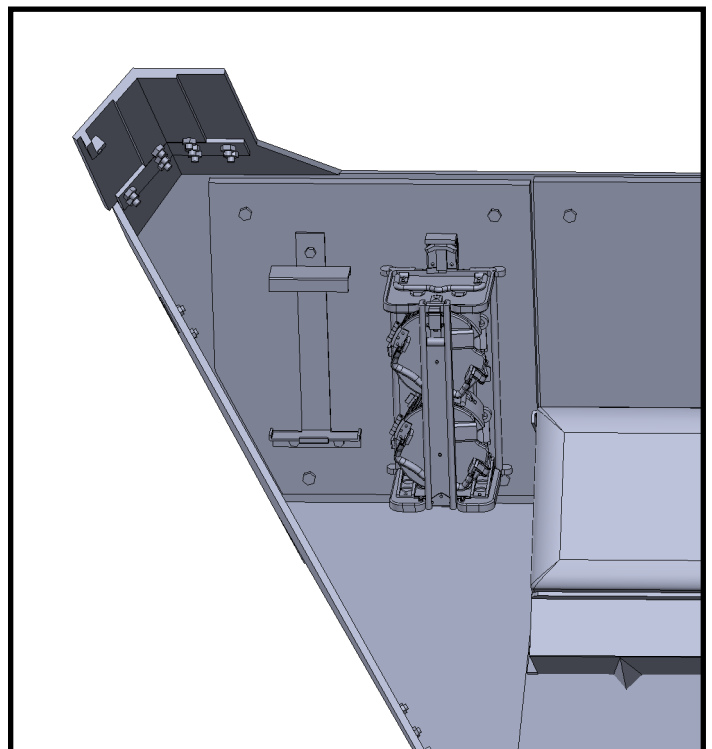
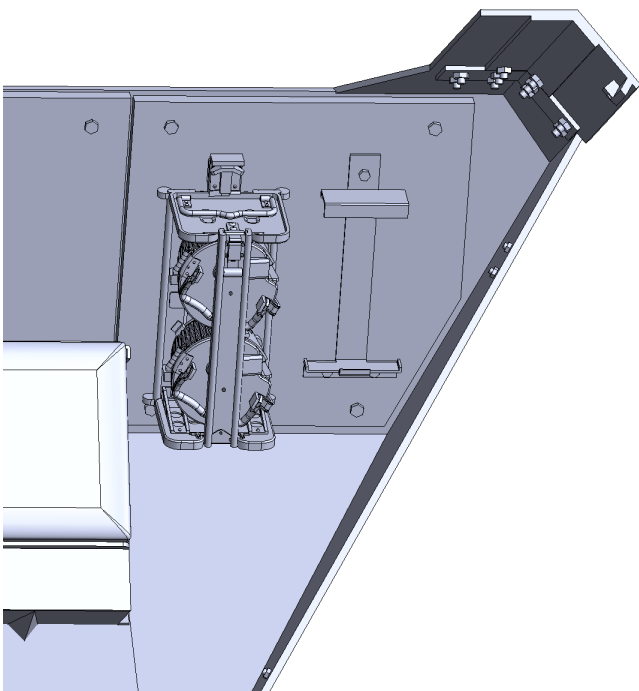
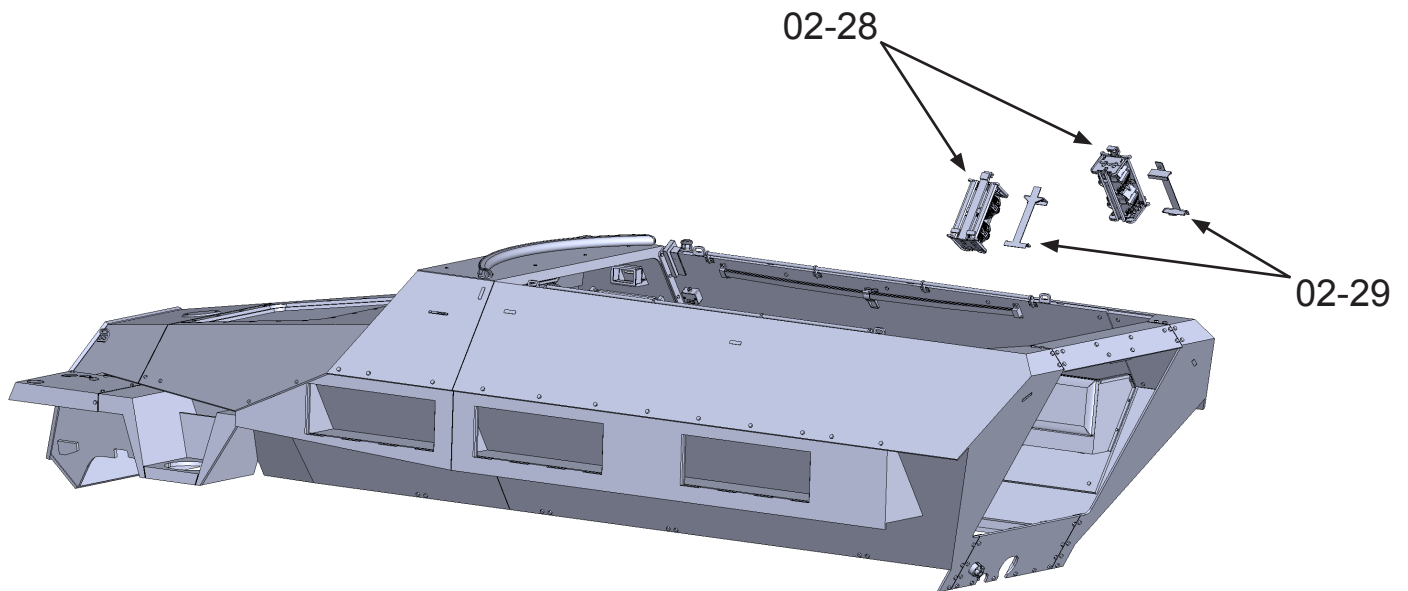
Assembly 02 - Upper Hull

02-27A+B+C



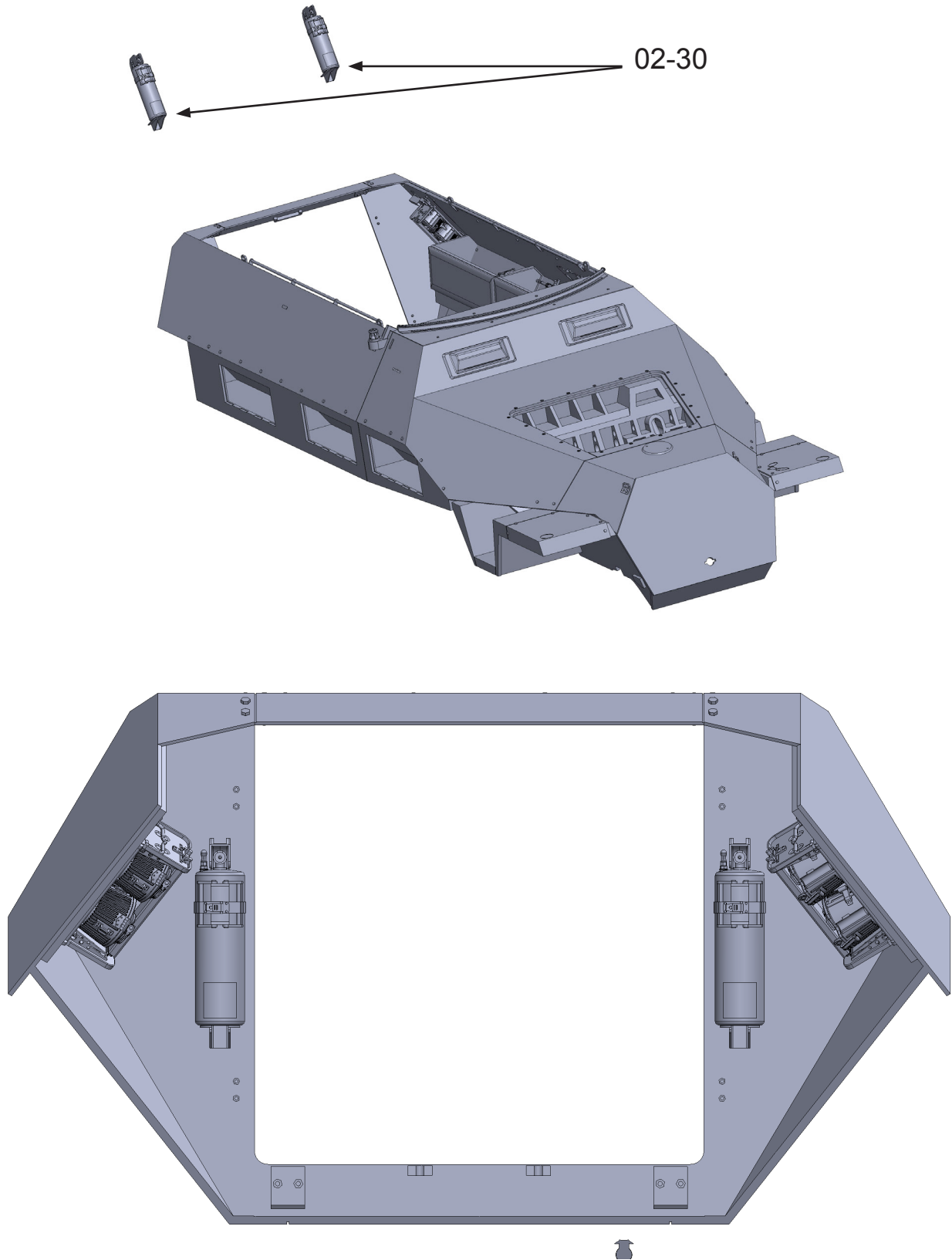
Glue parts 02-27A+B+C to part 02-17.

Assembly 02 - Upper Hull



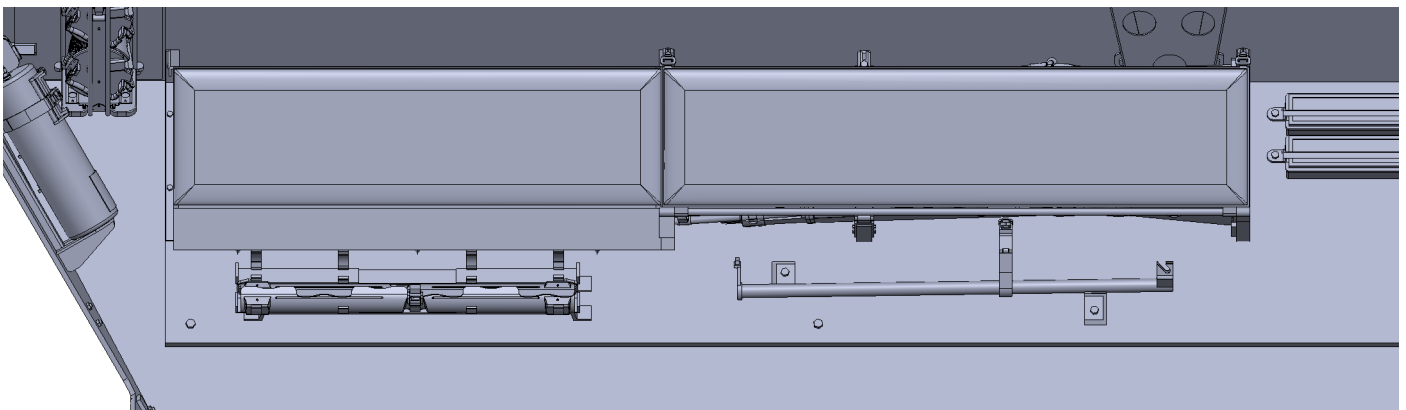
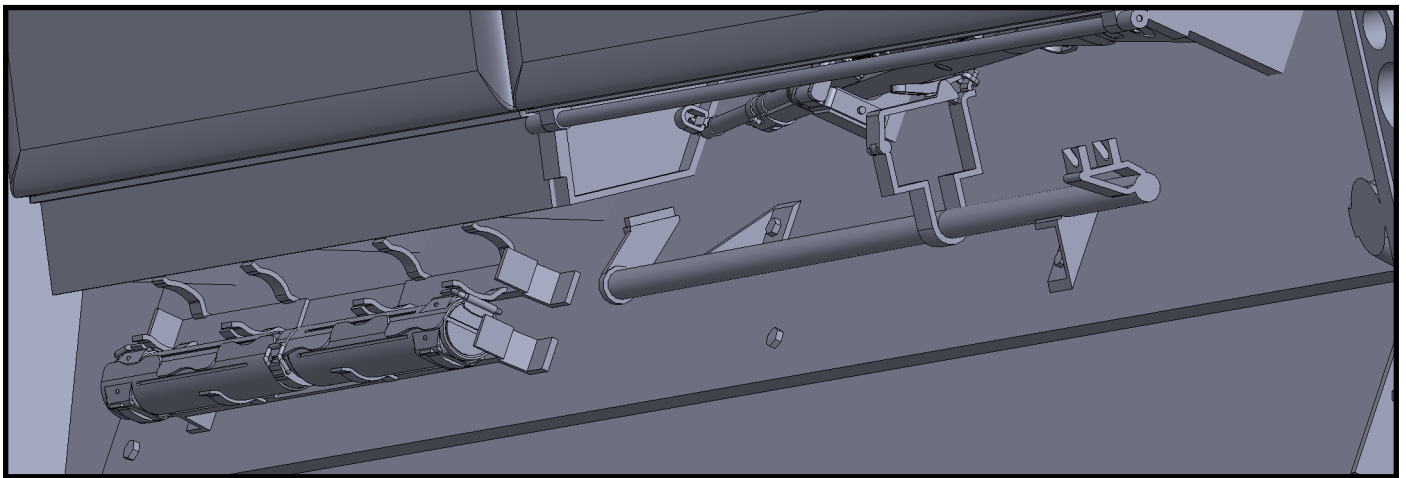
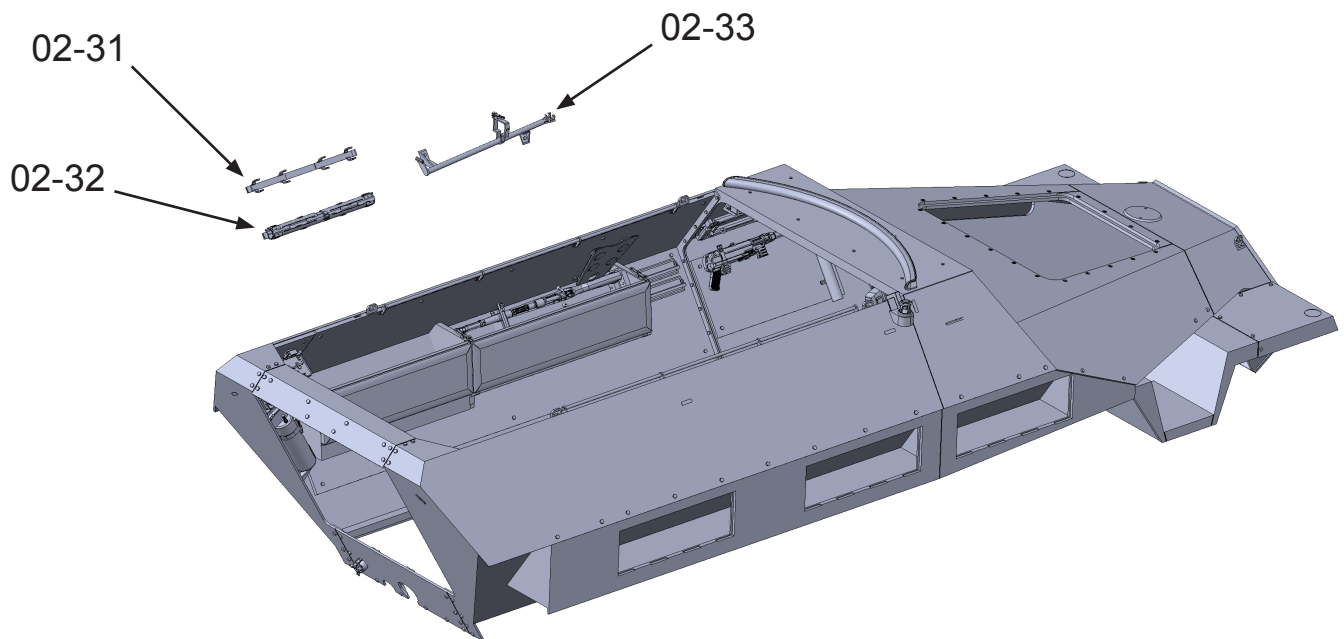
Glue parts 02-28 (2x) and 02-29 (2x) to part 02-17.

Assembly 02 - Upper Hull



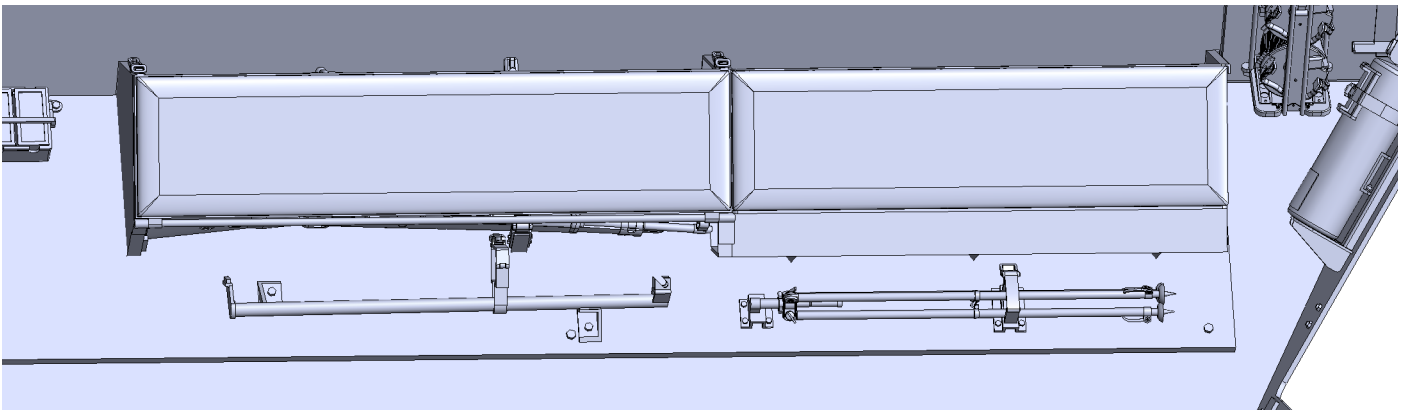
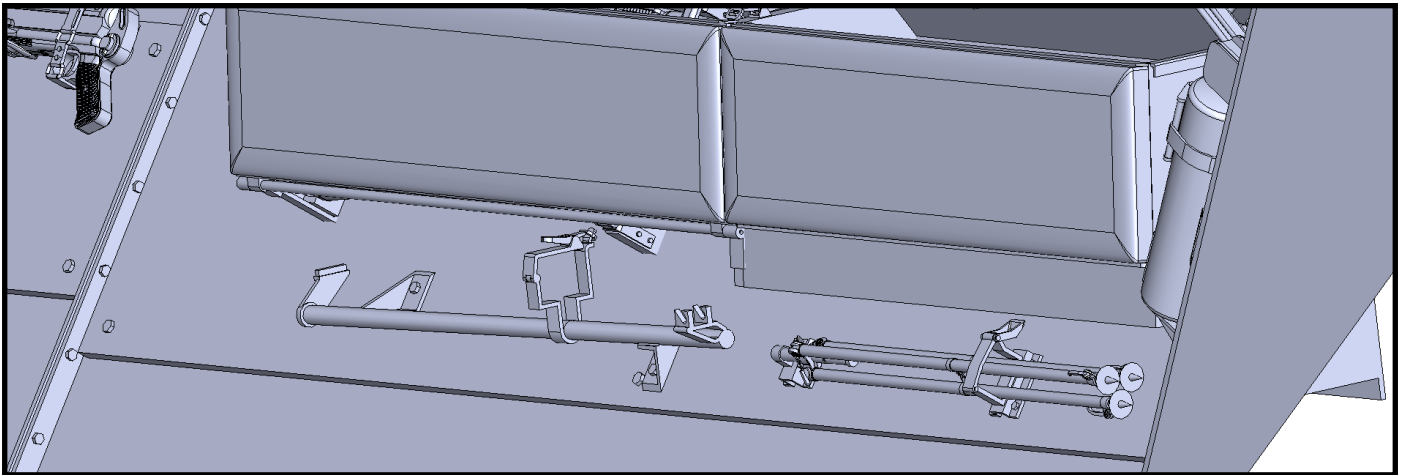
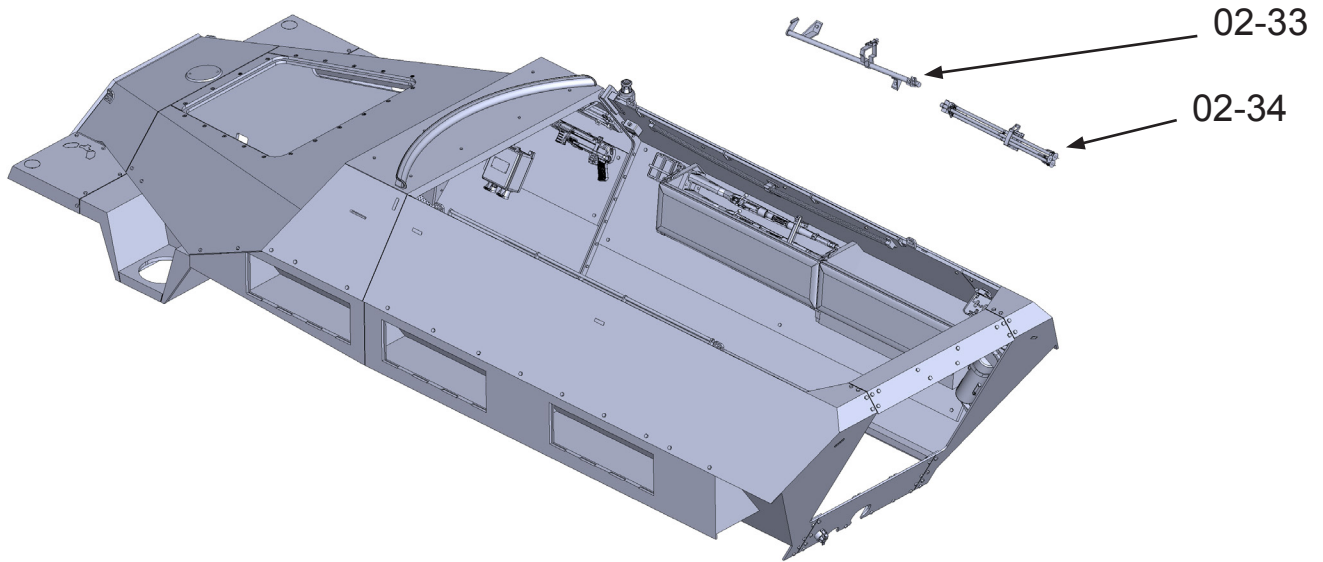
Glue parts 02-30 (2x) to part 02-17.

Assembly 02 - Upper Hull



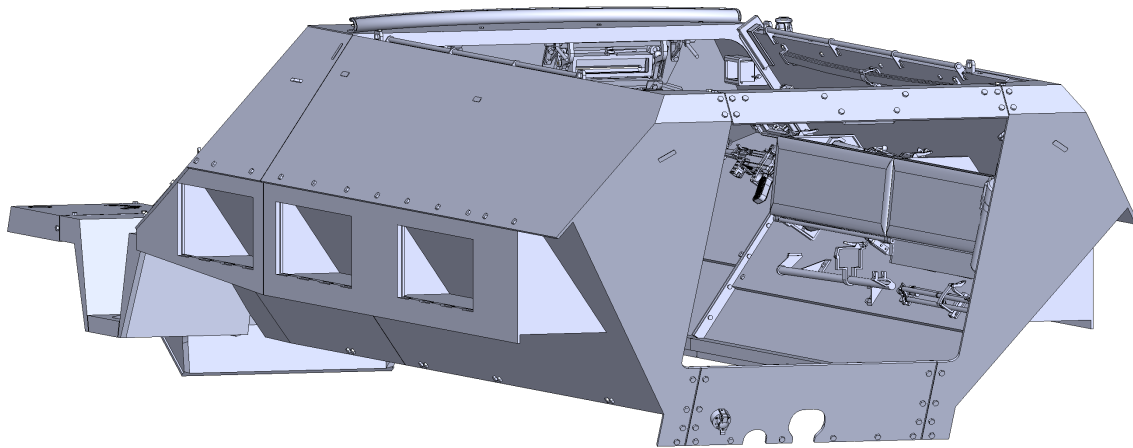
Glue parts 02-31, 02-32 and 02-33 to part 02-17.

Assembly 02 - Upper Hull



Glue parts 02-33 and 02-34 to part 02-17.

Assembly 02 - Upper Hull



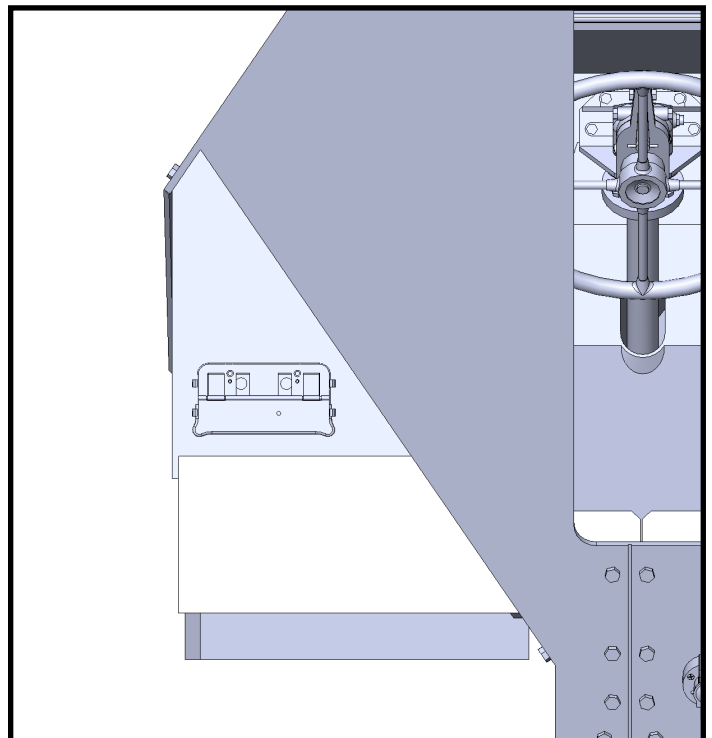
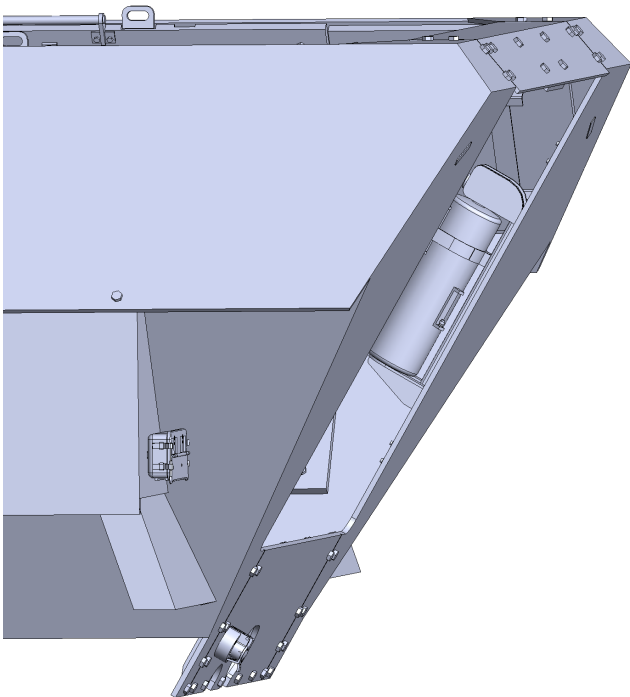
02-35



02-36

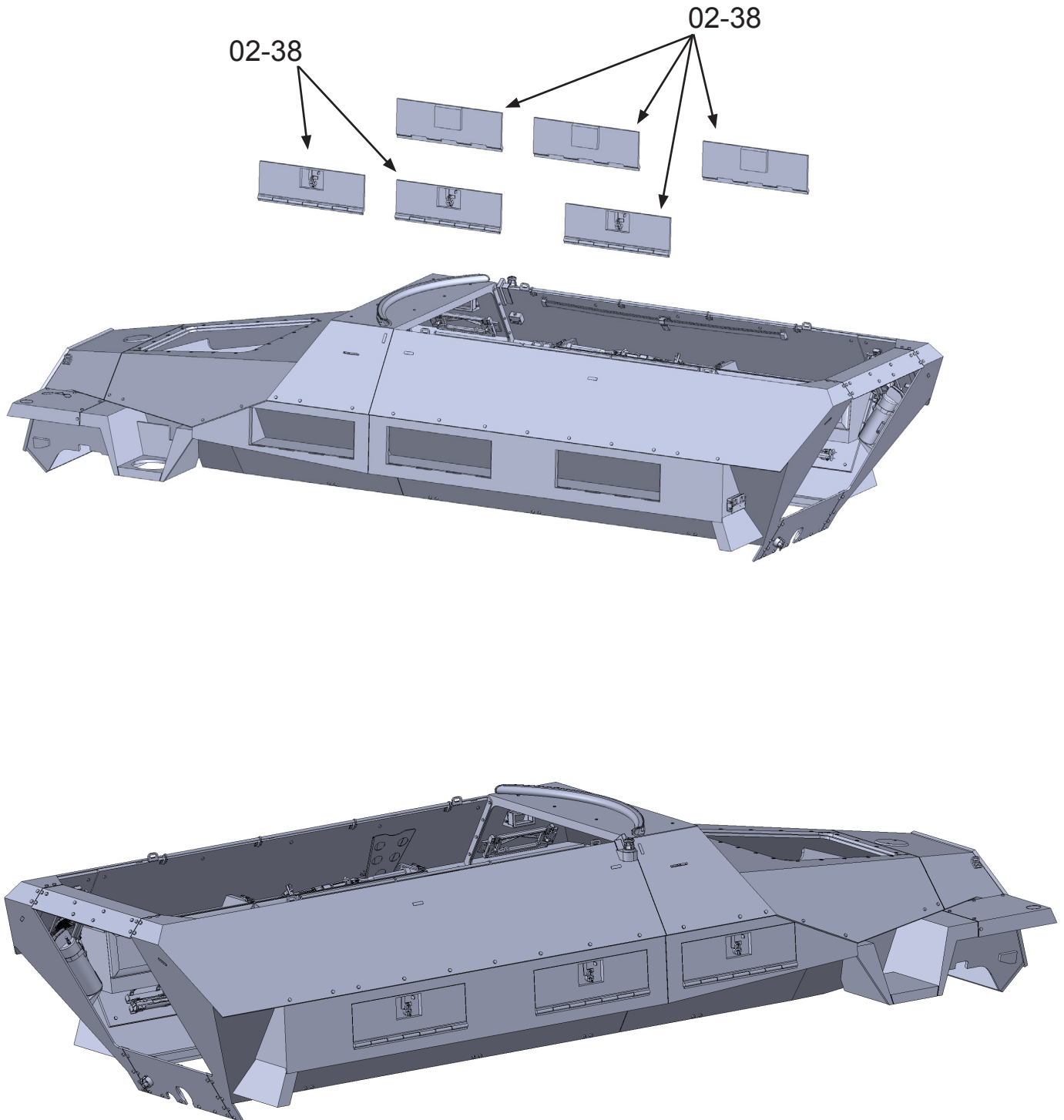


02-37



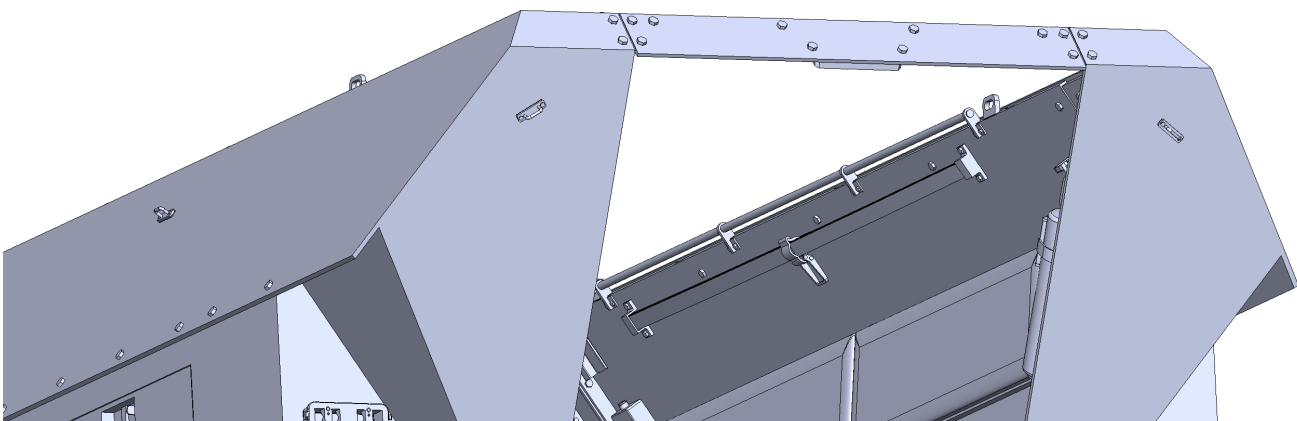
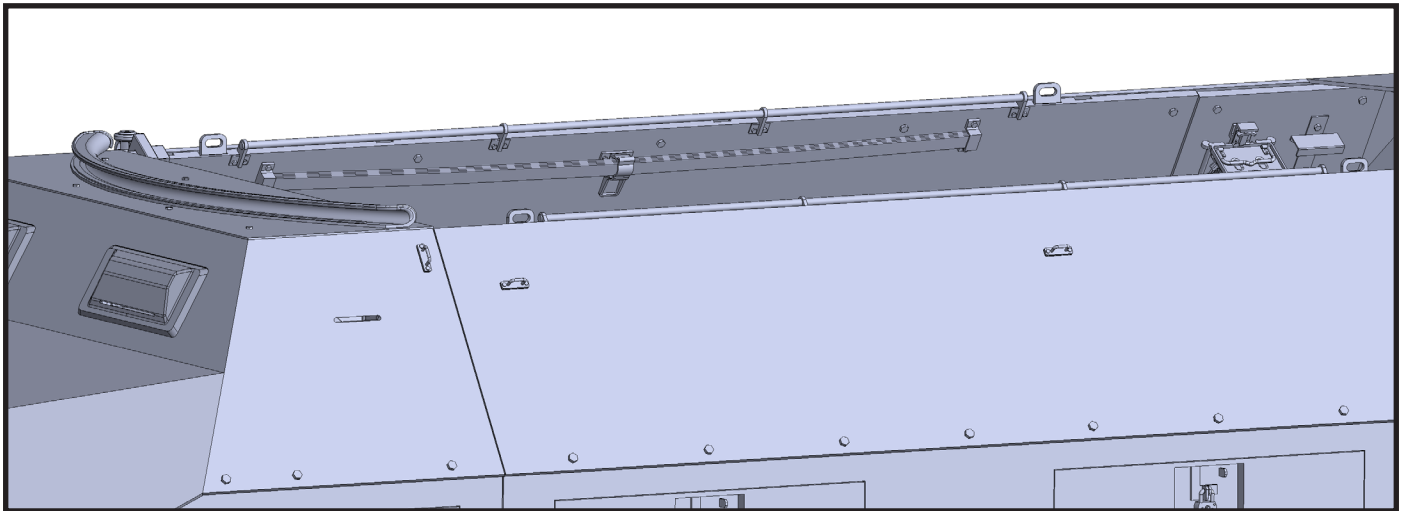
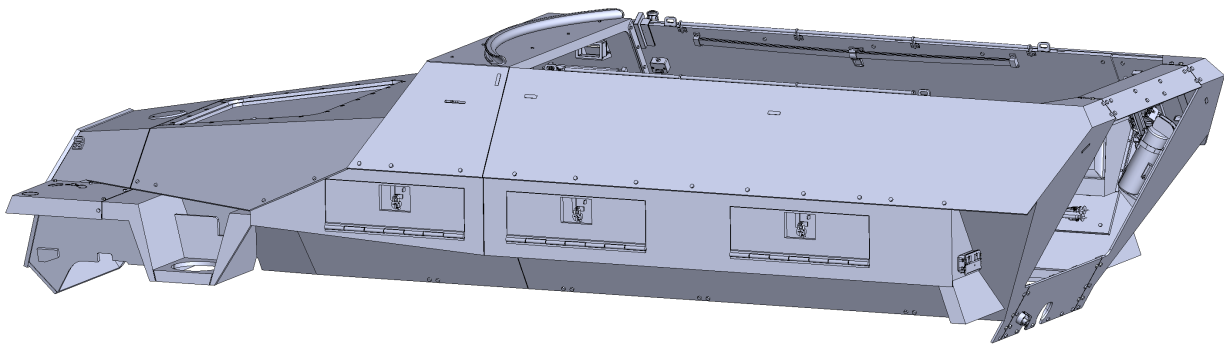
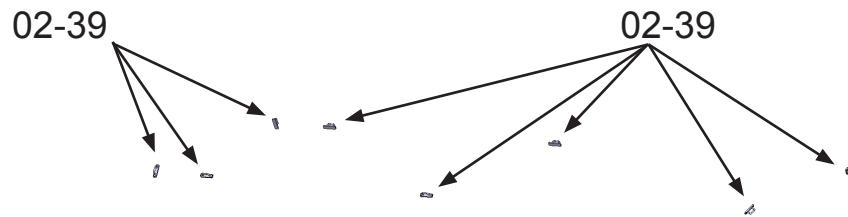
Glue the LED into part 02-35.
Glue parts 02-35, 02-36 and 02-37 to part 02-17.

Assembly 02 - Upper Hull



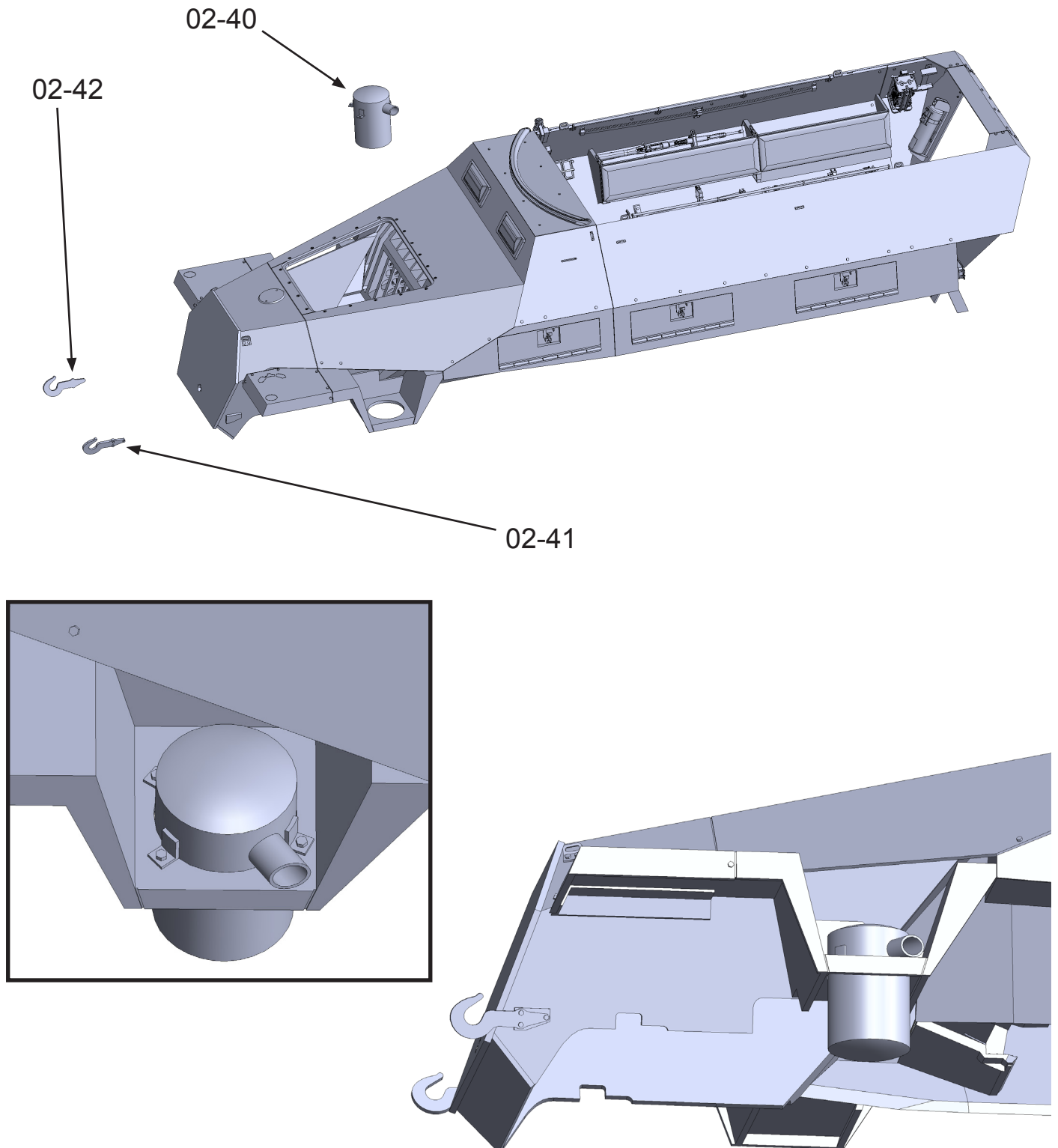
Glue parts 02-38 (8x) to part 02-17.

Assembly 02 - Upper Hull



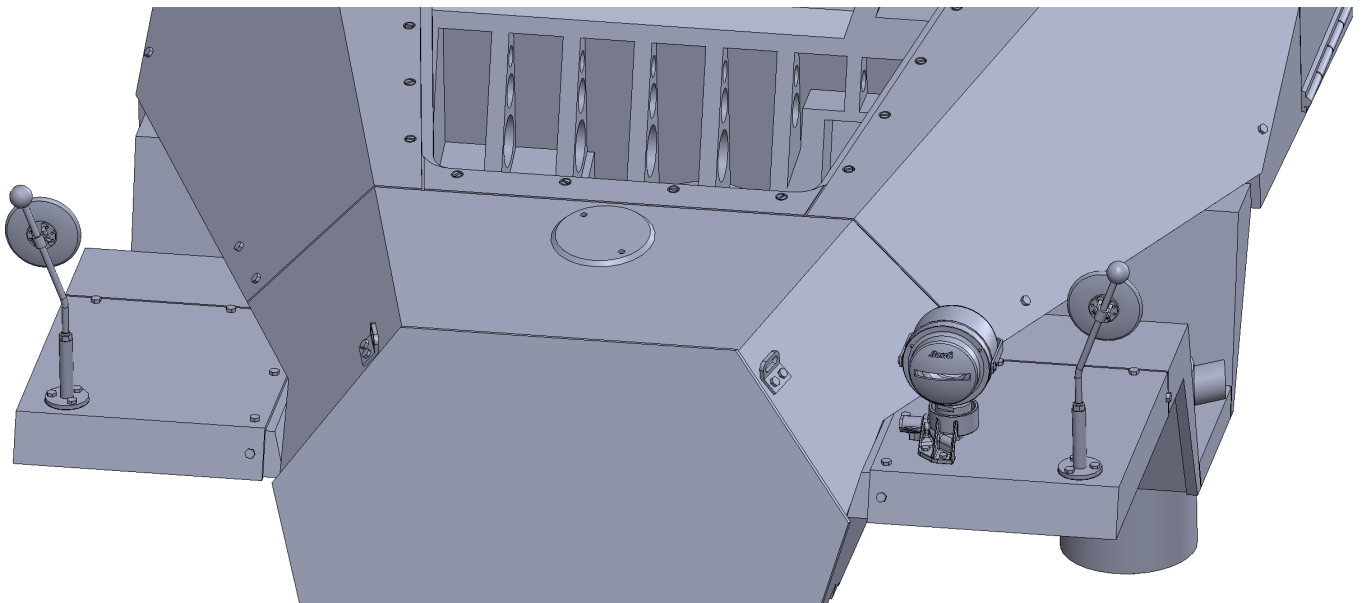
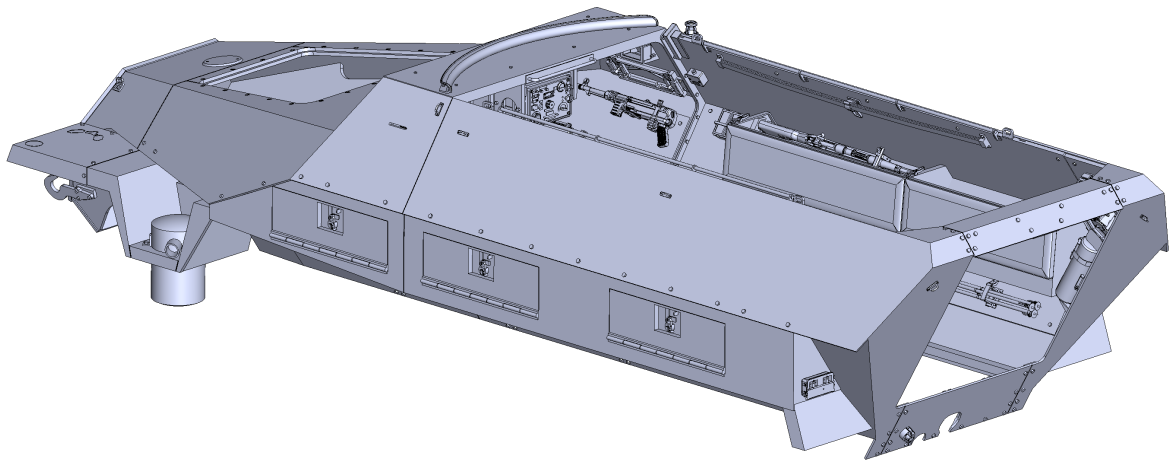
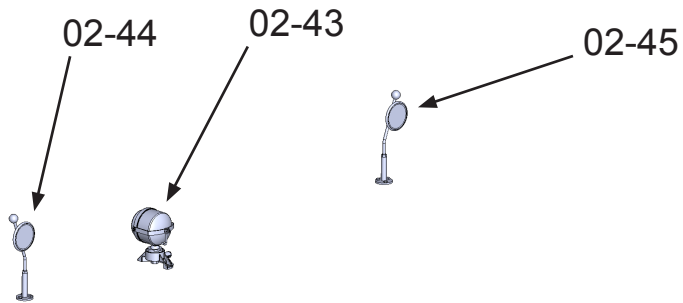
Glue parts 02-39 (8x) to part 02-17.

Assembly 02 - Upper Hull



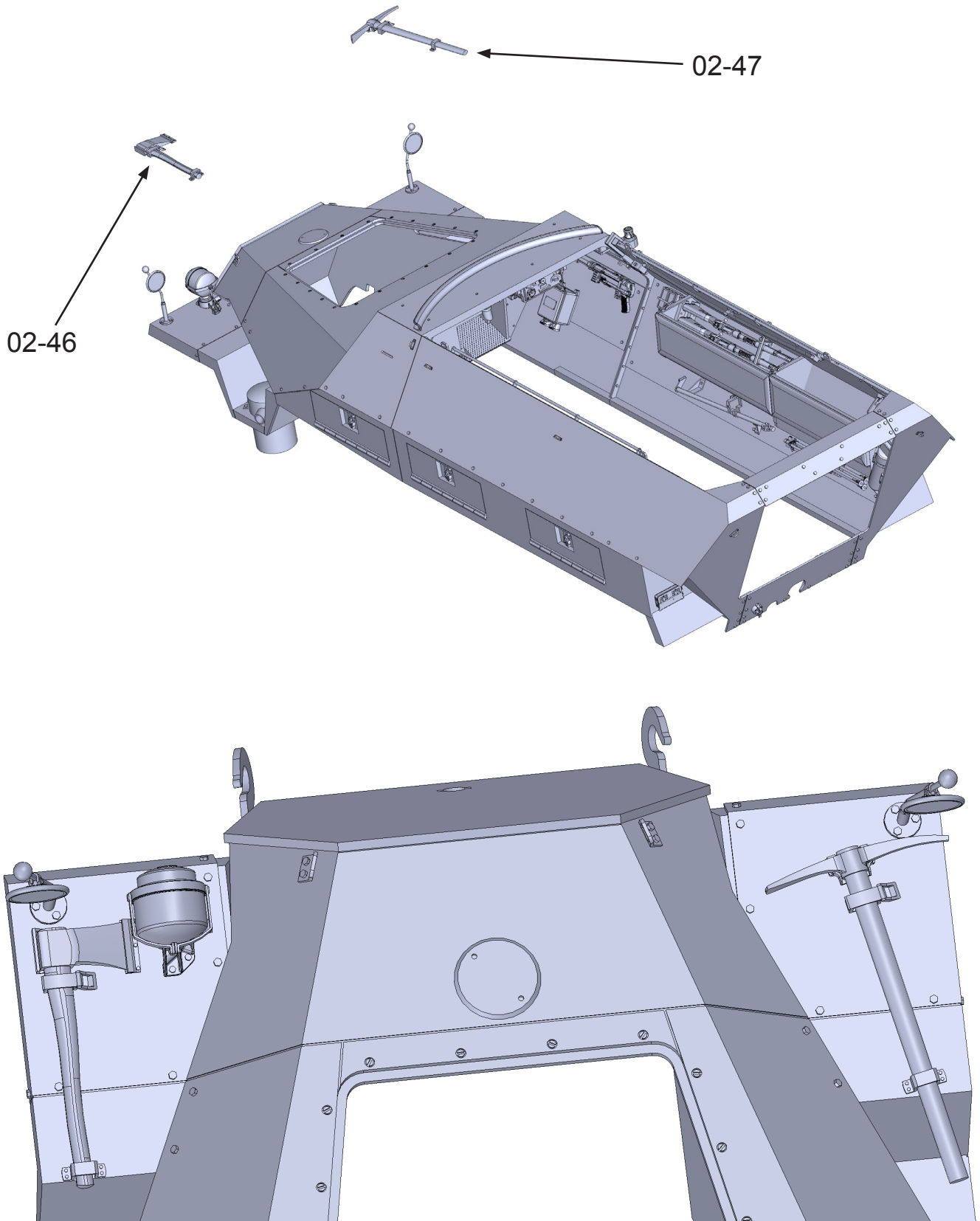
Glue parts 02-40, 02-41 and 02-42 to part 02-05.

Assembly 02 - Upper Hull



Glue the LED into part 02-43.
Glue parts 02-43, 02-44 and 02-45 to part 02-05.

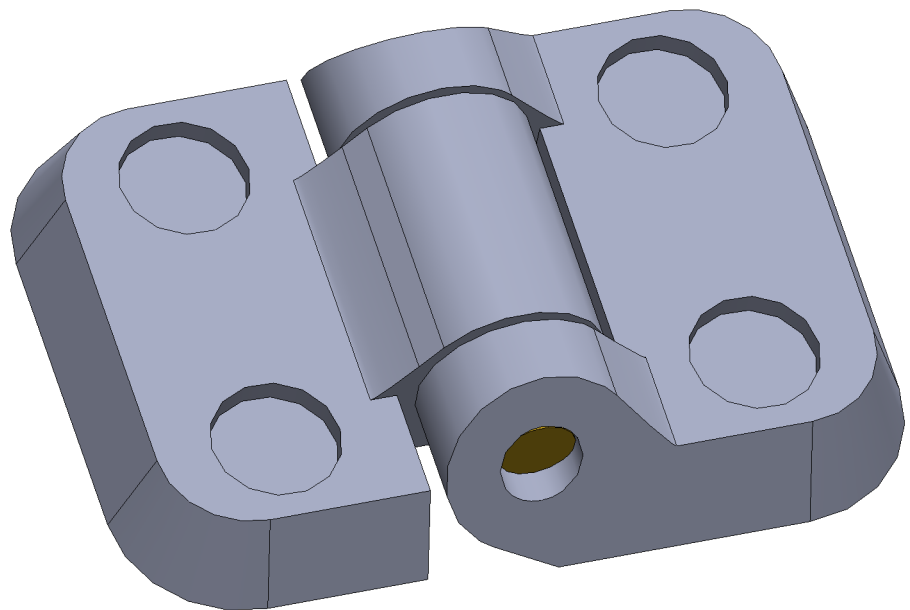
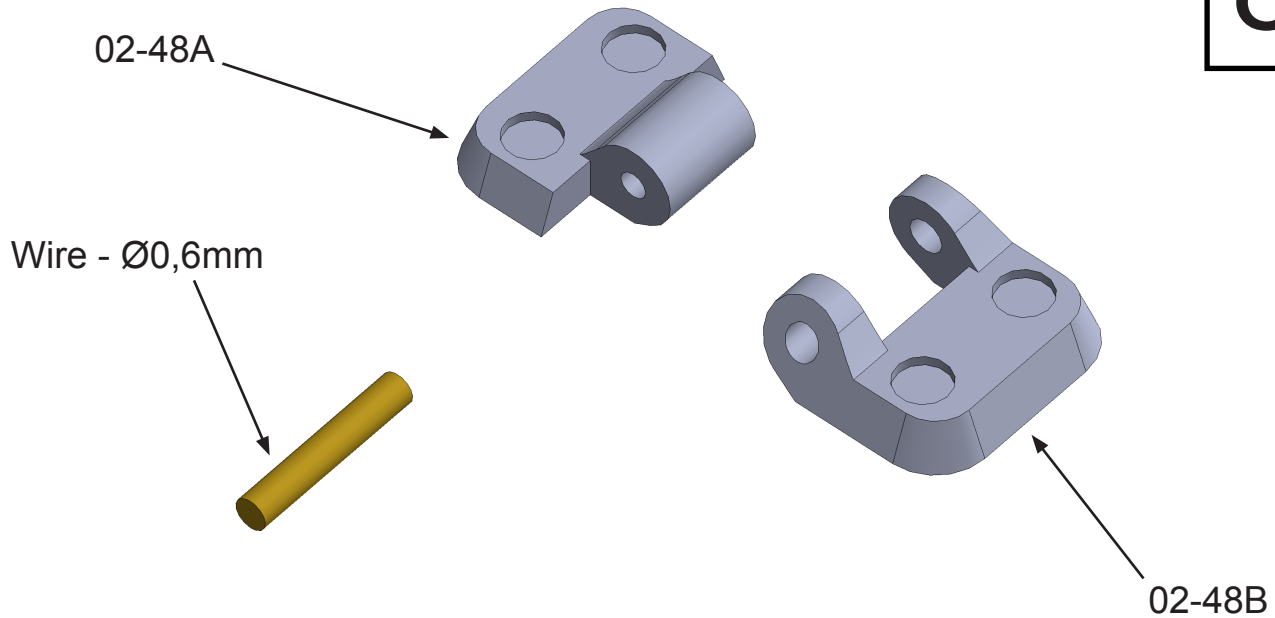
Assembly 02 - Upper Hull



Glue parts 02-46 and 02-47 to part 02-05.

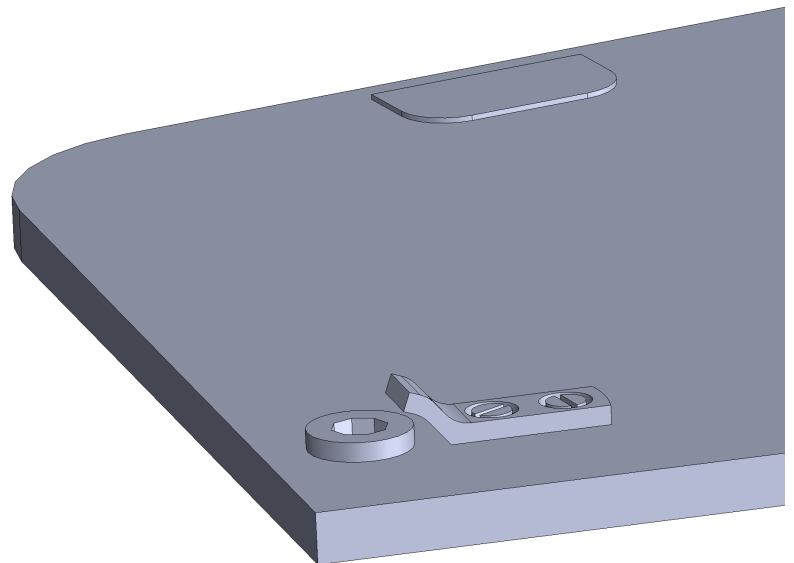
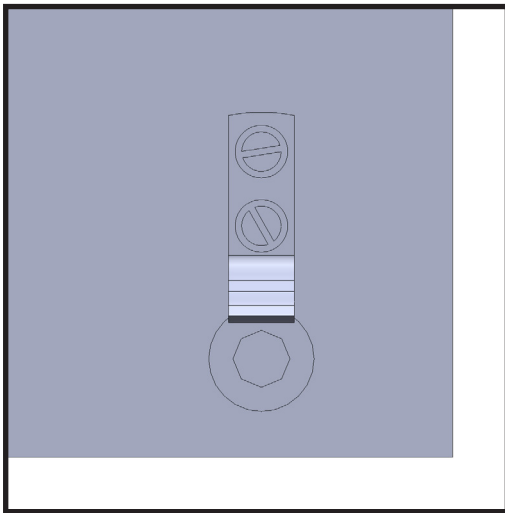
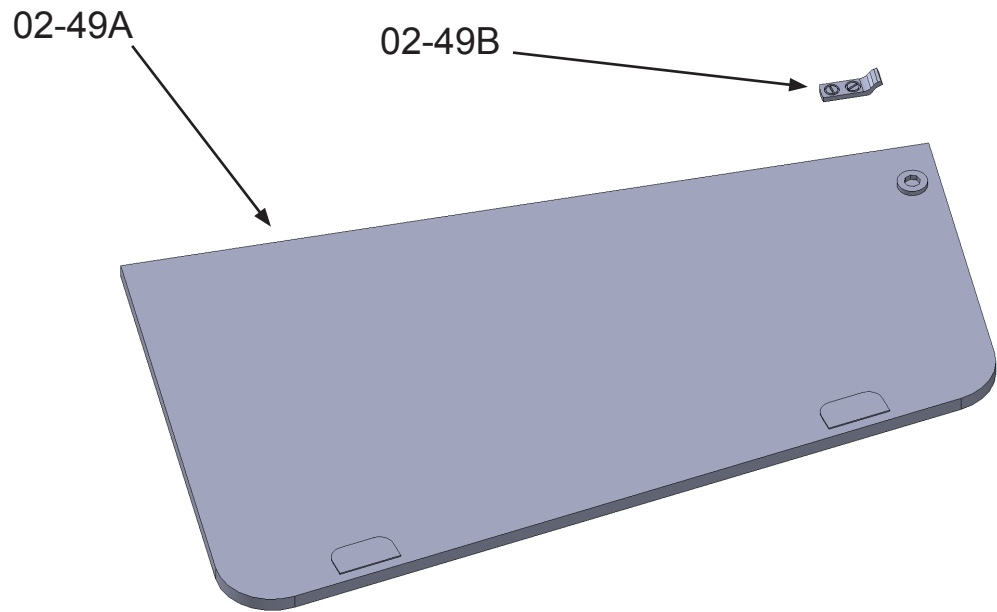
Assembly 02 - Upper Hull

8x



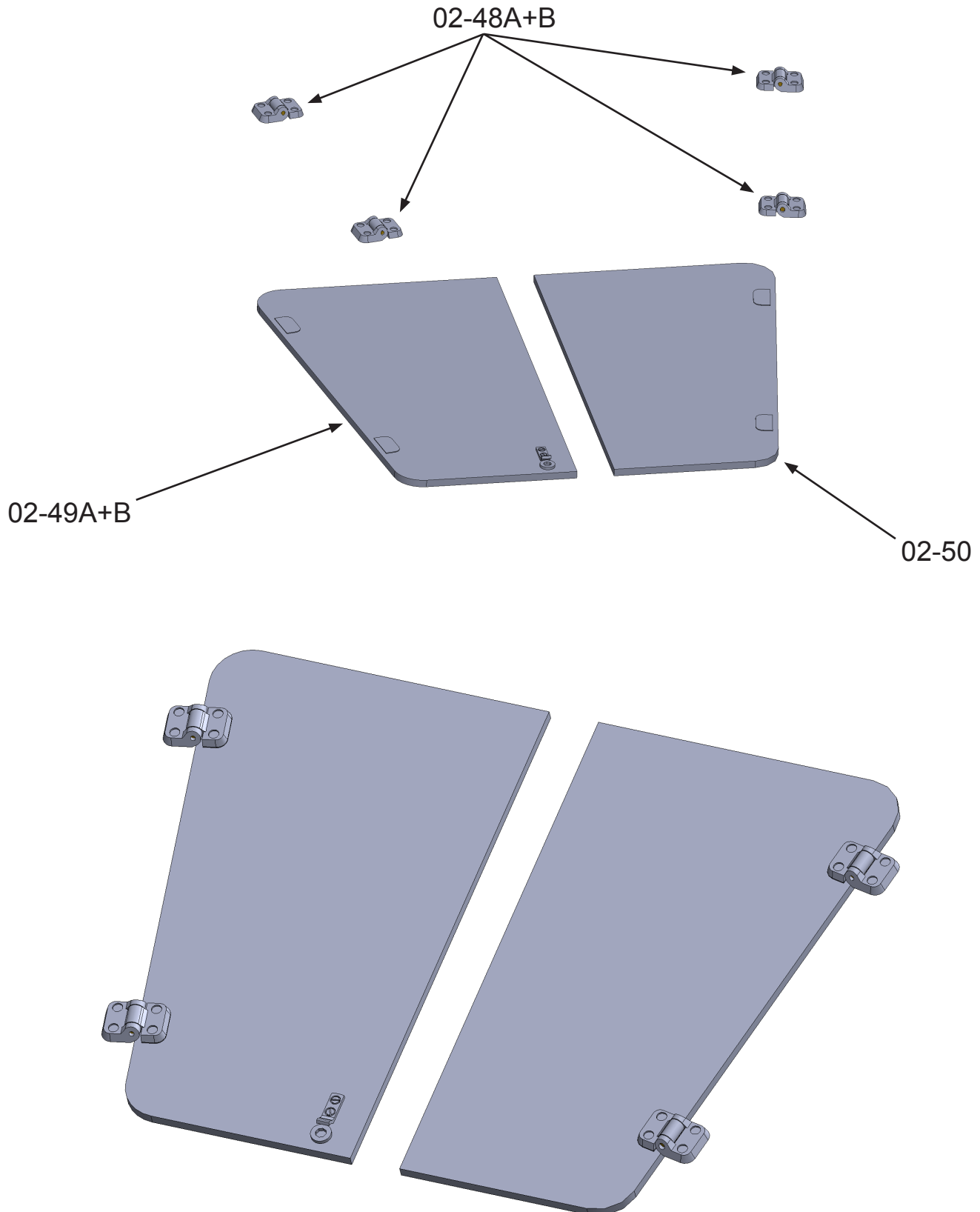
Prepare 8 hinges.
Connect parts 02-48A and 02-48B with 0.6mm diameter wire (length 3.5mm).
Fix the wire with glue to prevent it from falling out.

Assembly 02 - Upper Hull



Glue part 02-49B to part 02-49A.

Assembly 02 - Upper Hull

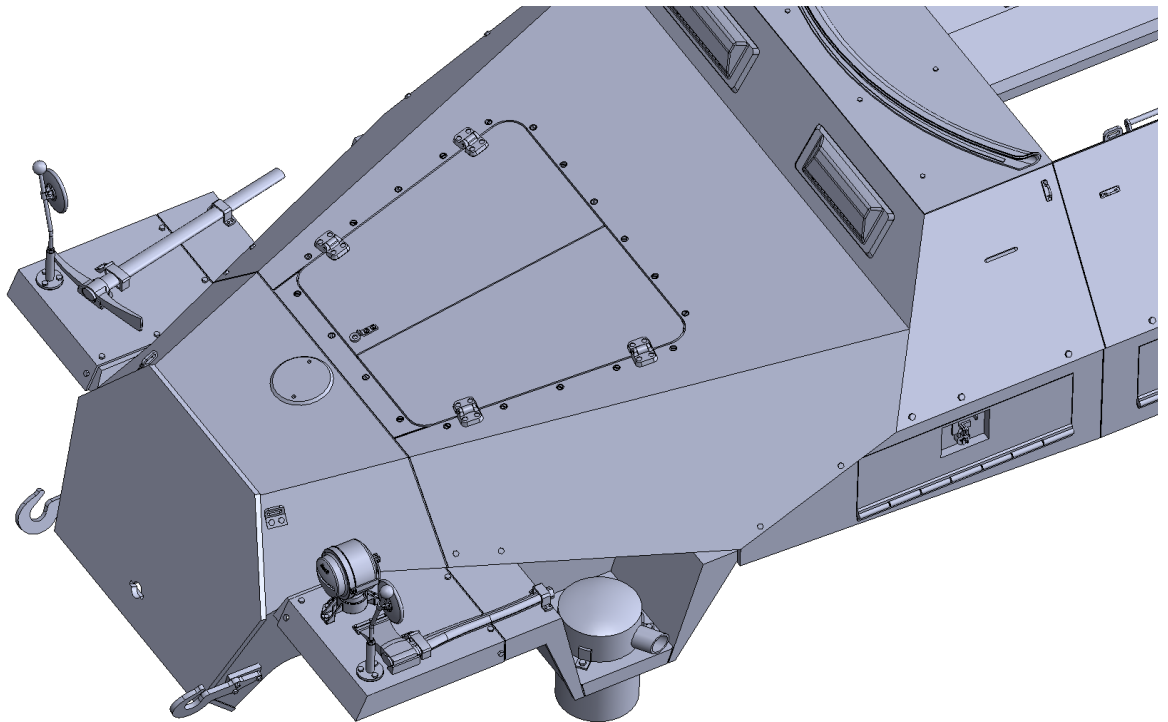
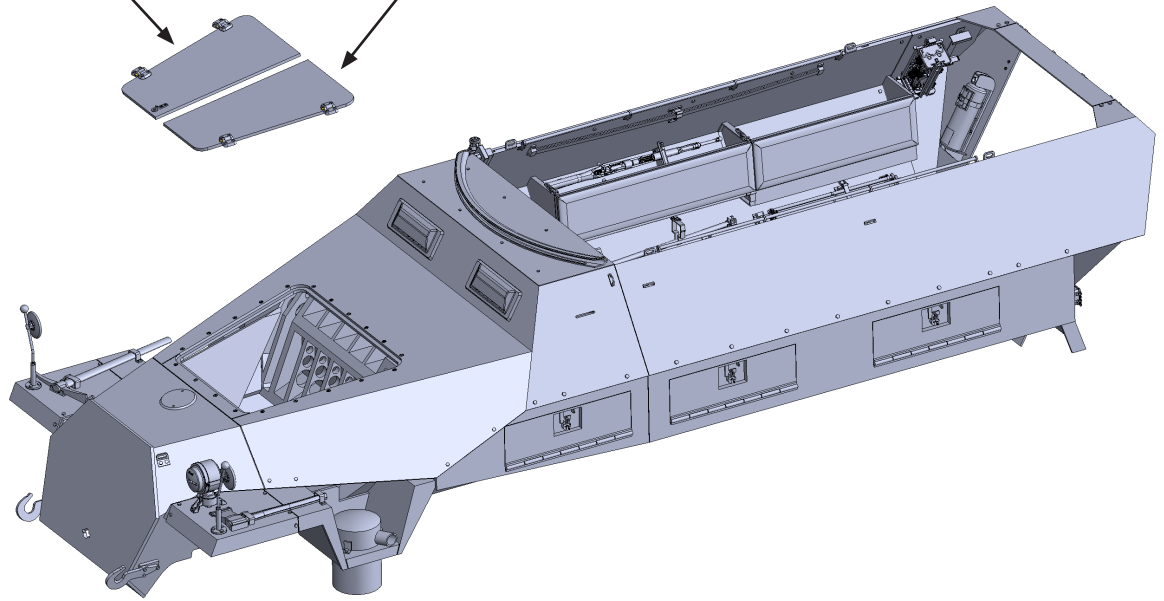


Glue parts 02-48A+B (hinges) to parts 02-49A and 02-50.

Assembly 02 - Upper Hull

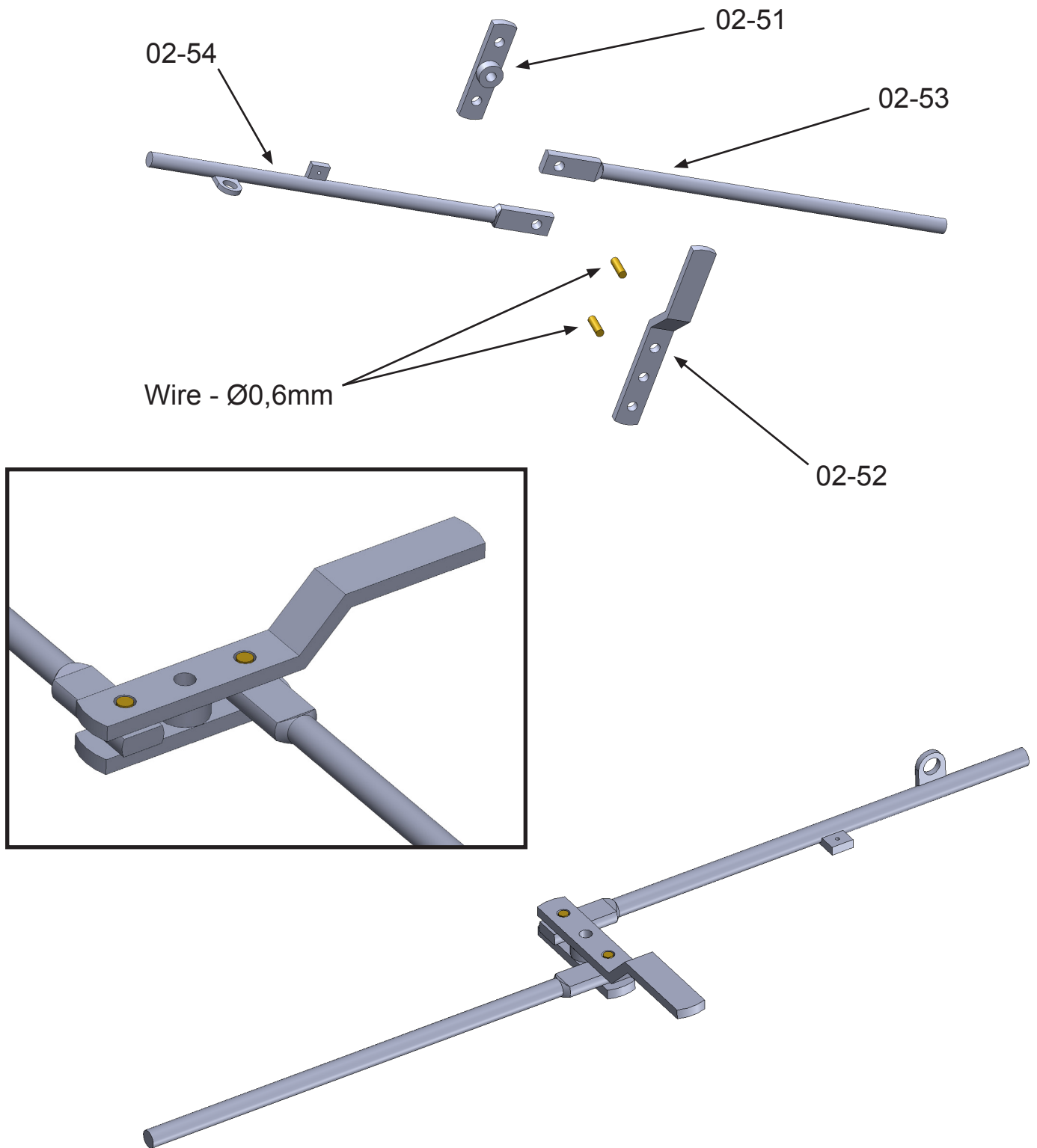
02-49A+B

02-50



Glue parts 02-48A+B and 02-50 to part 02-05.

Assembly 02 - Upper Hull

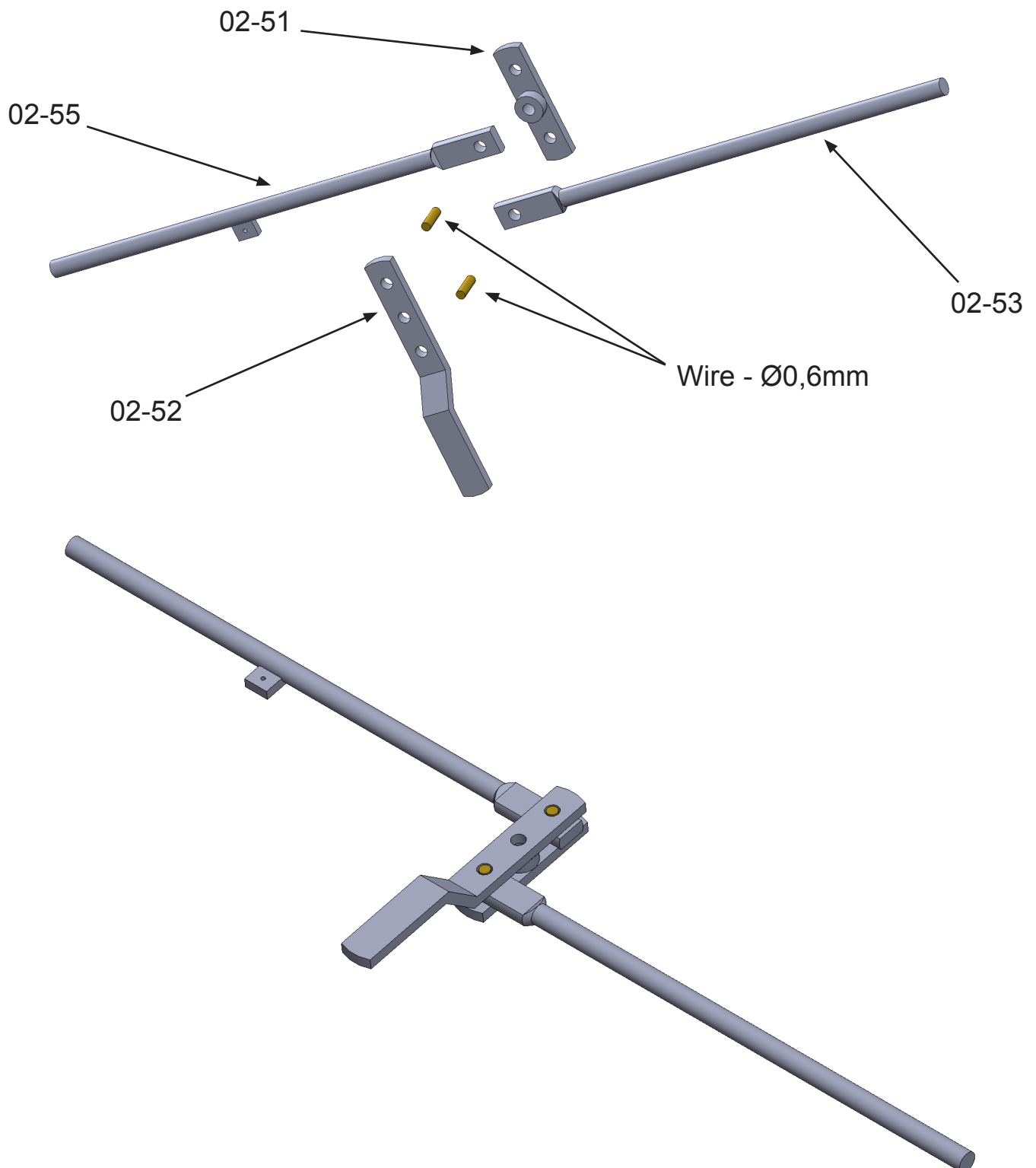


Connect parts 02-51, 02-52, 02-53 and 02-54 with 0.6mm diameter wire (length 2mm).

Fix the wire with glue to prevent it from falling out.

The parts must rotate freely if you want a functional doors lock.

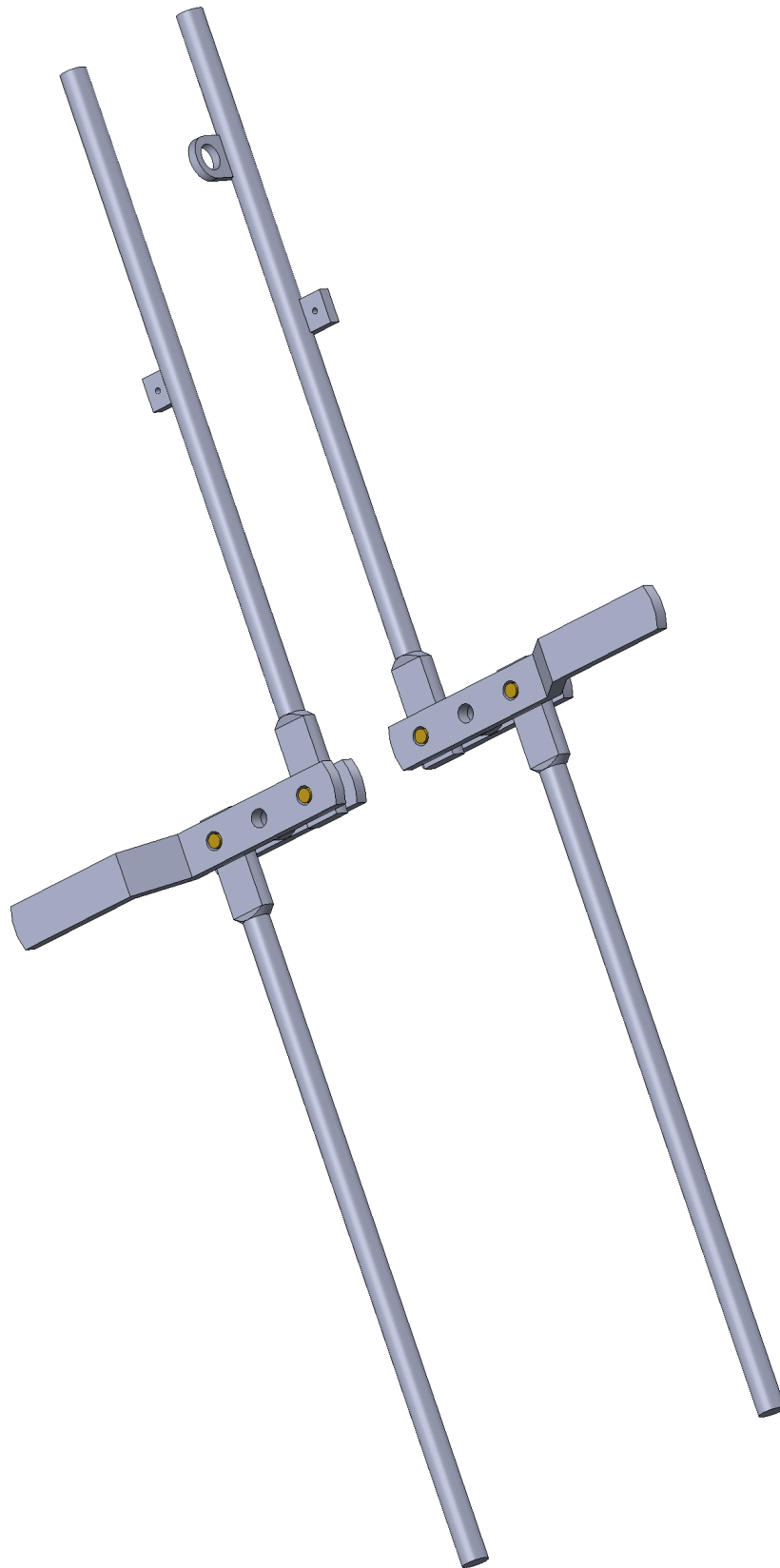
Assembly 02 - Upper Hull



Connect parts 02-51, 02-52, 02-53 and 02-55 with 0.6mm diameter wire (length 2mm).

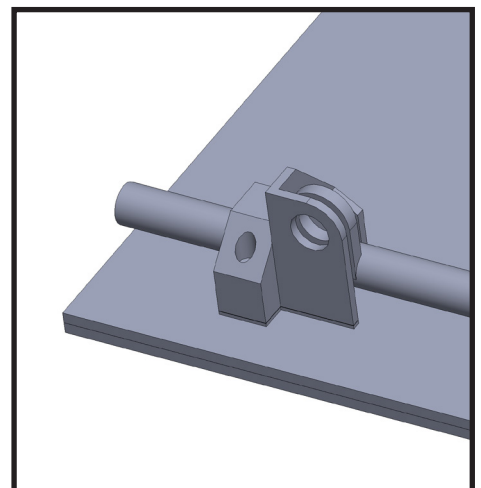
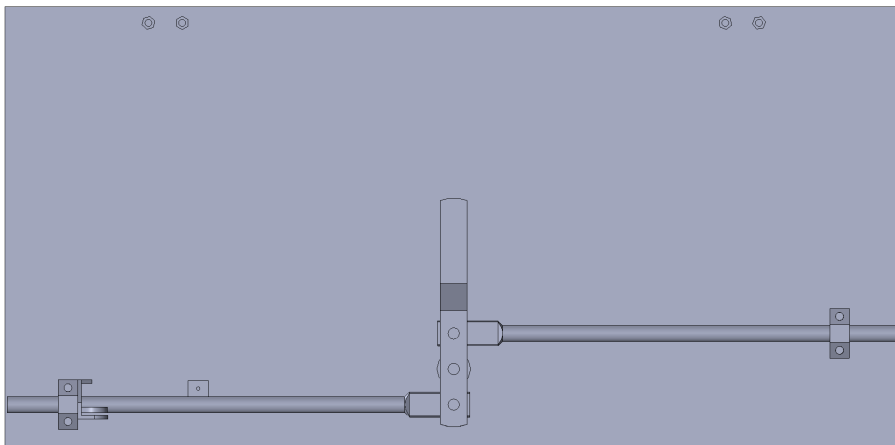
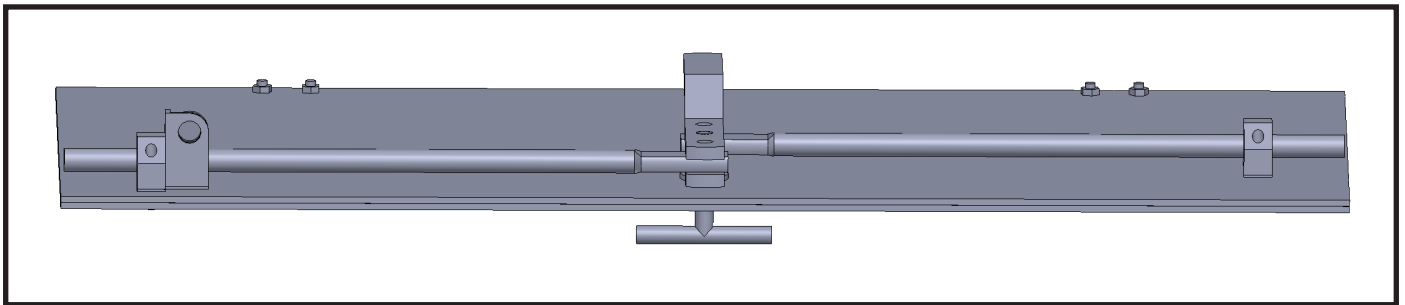
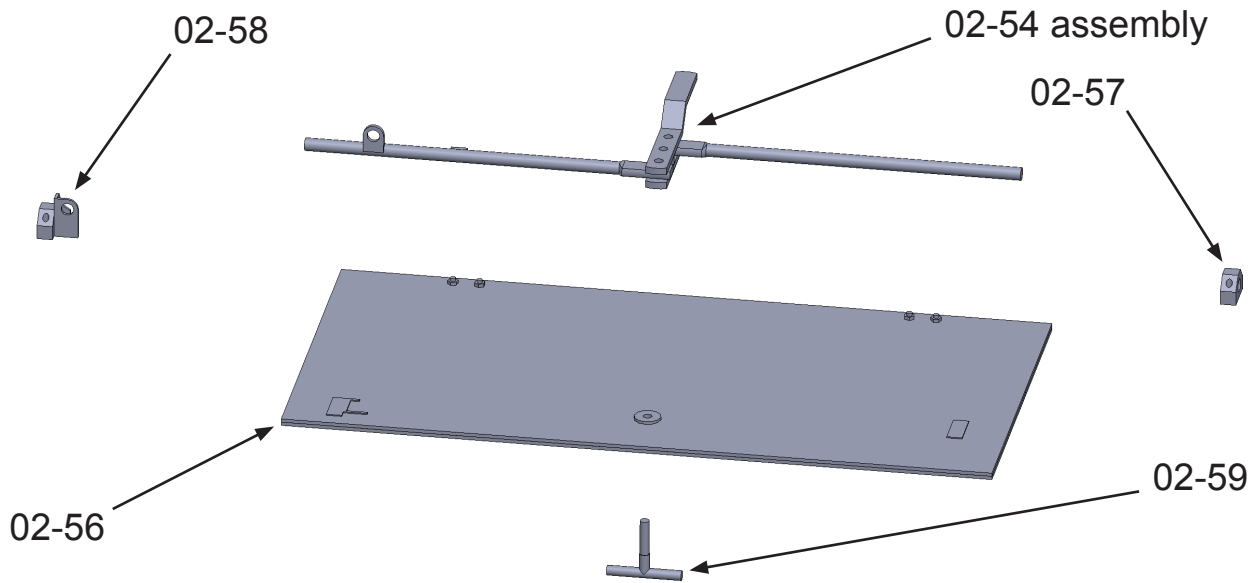
Fix the wire with glue to prevent it from falling out.
The parts must rotate freely if you want a functional doors lock.

Assembly 02 - Upper Hull



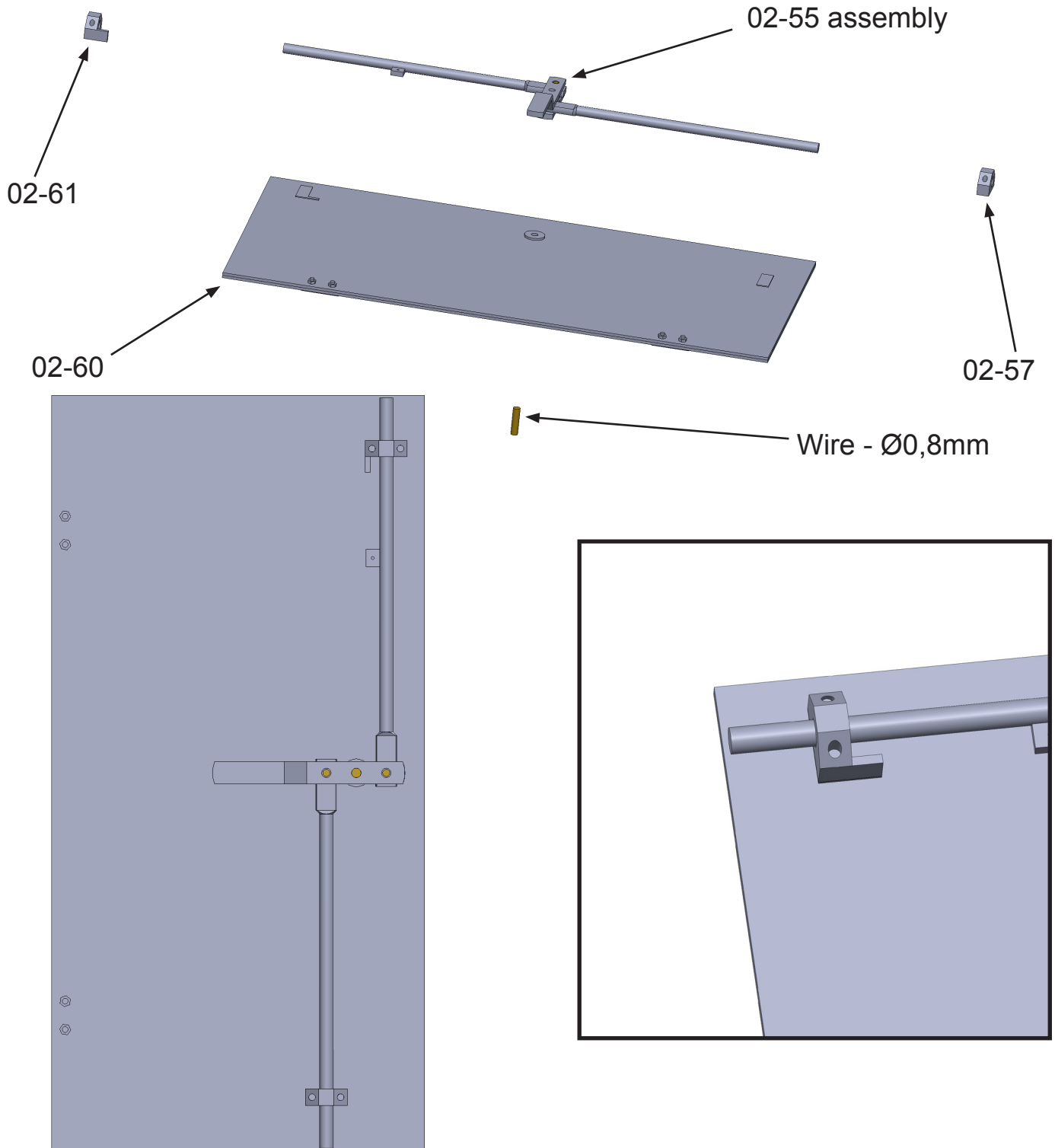
Auxiliary view for both door locks.
They are mirrored to each other, the only difference is in parts 02-54 and 02-55.

Assembly 02 - Upper Hull



Glue parts 02-57 and 02-58 to part 02-56.
 Insert the parts assembly with part 02-54. Fix this assembly with part 02-59.
 Then glue part 02-59 to part 02-52 (carefully).
 The lock must rotate freely and at the same time be secured against falling out.

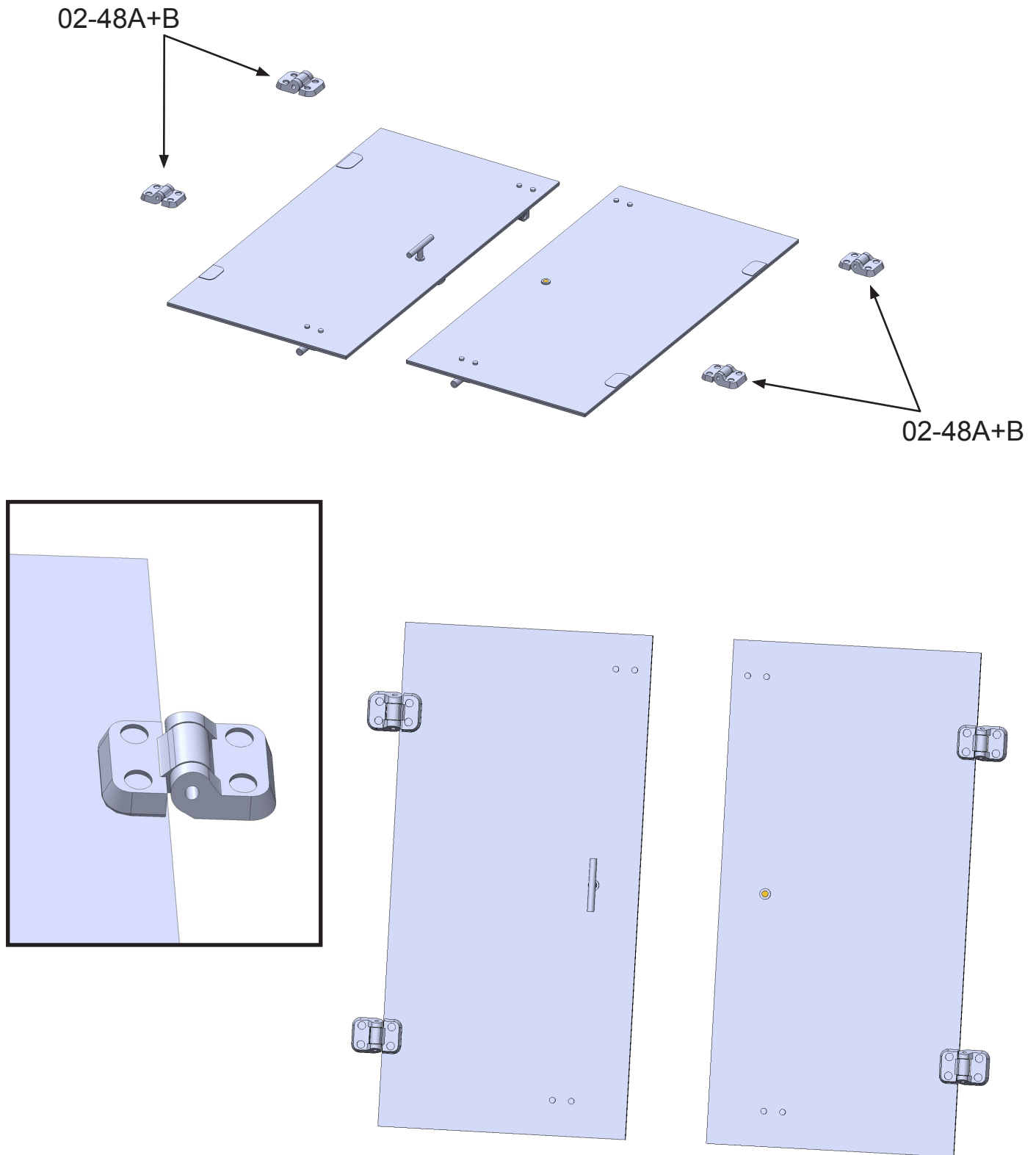
Assembly 02 - Upper Hull



Glue parts 02-57 and 02-61 to part 02-60.
Insert the parts assembly with part 02-55.
Fix this assembly with 0.8mm diameter wire (length 3,2mm).
Then glue wire to part 02-60.

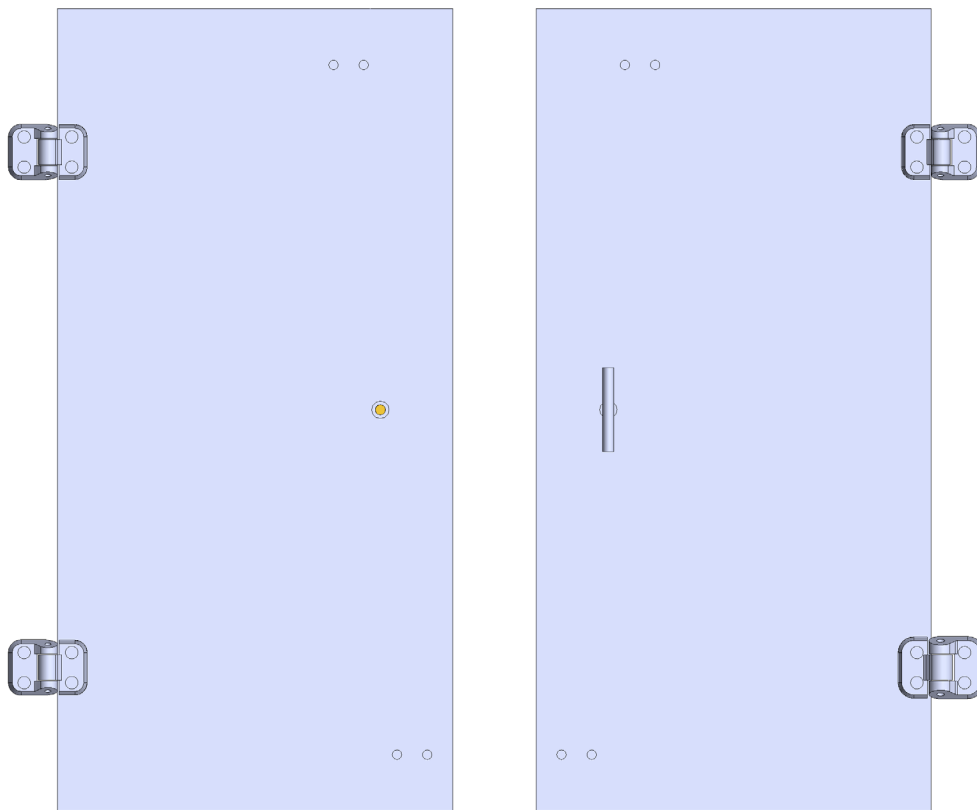
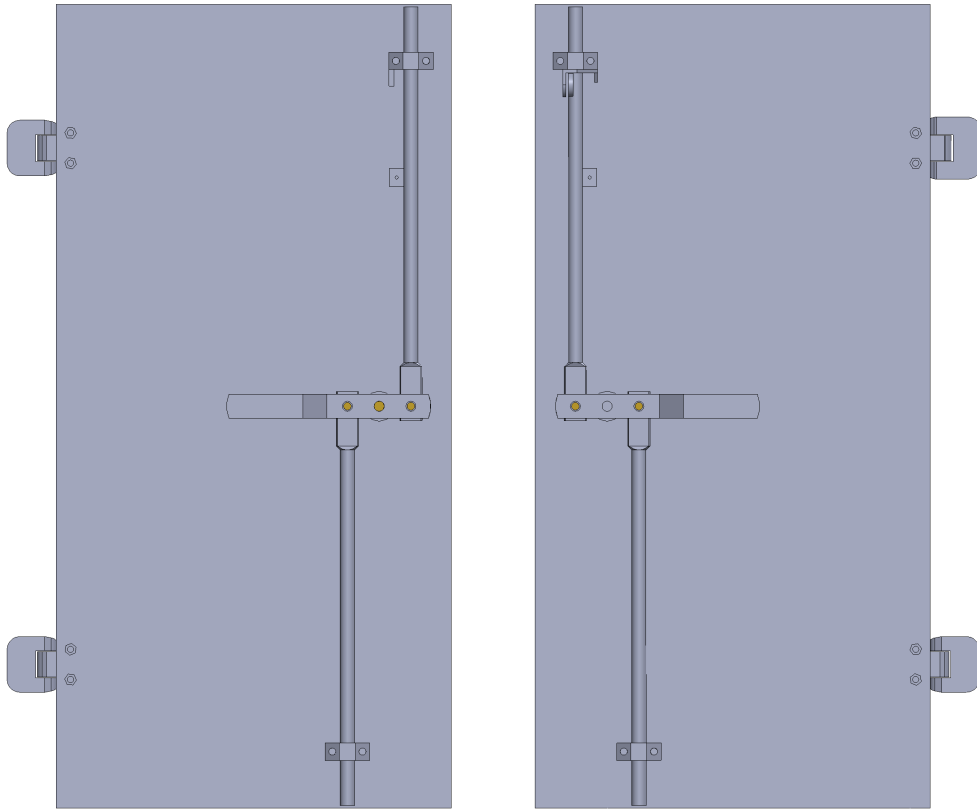
The lock must rotate freely and at the same time be secured against falling out.

Assembly 02 - Upper Hull



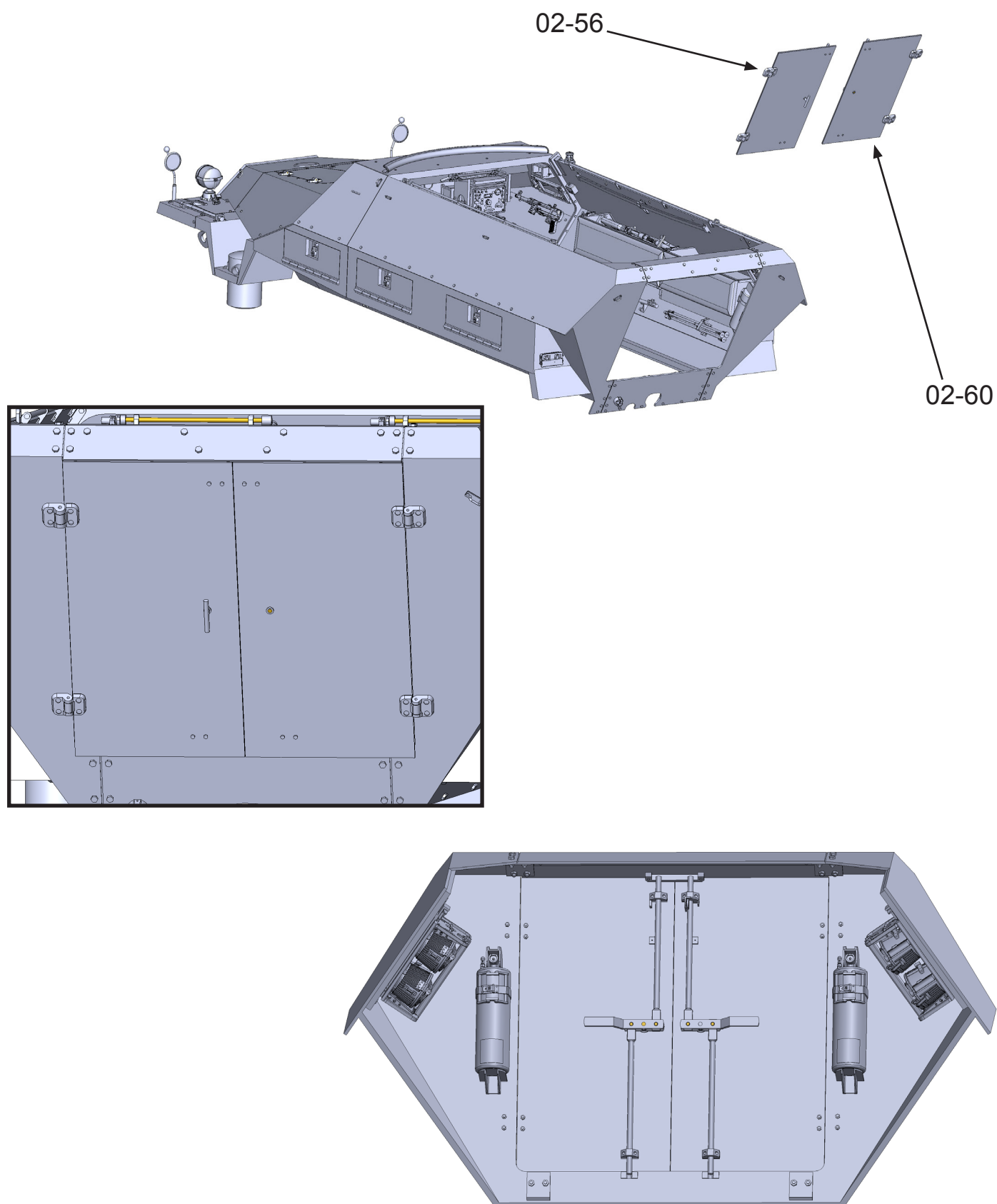
Glue parts 02-48A+B (hinges) to parts 02-56 and 02-60.

Assembly 02 - Upper Hull

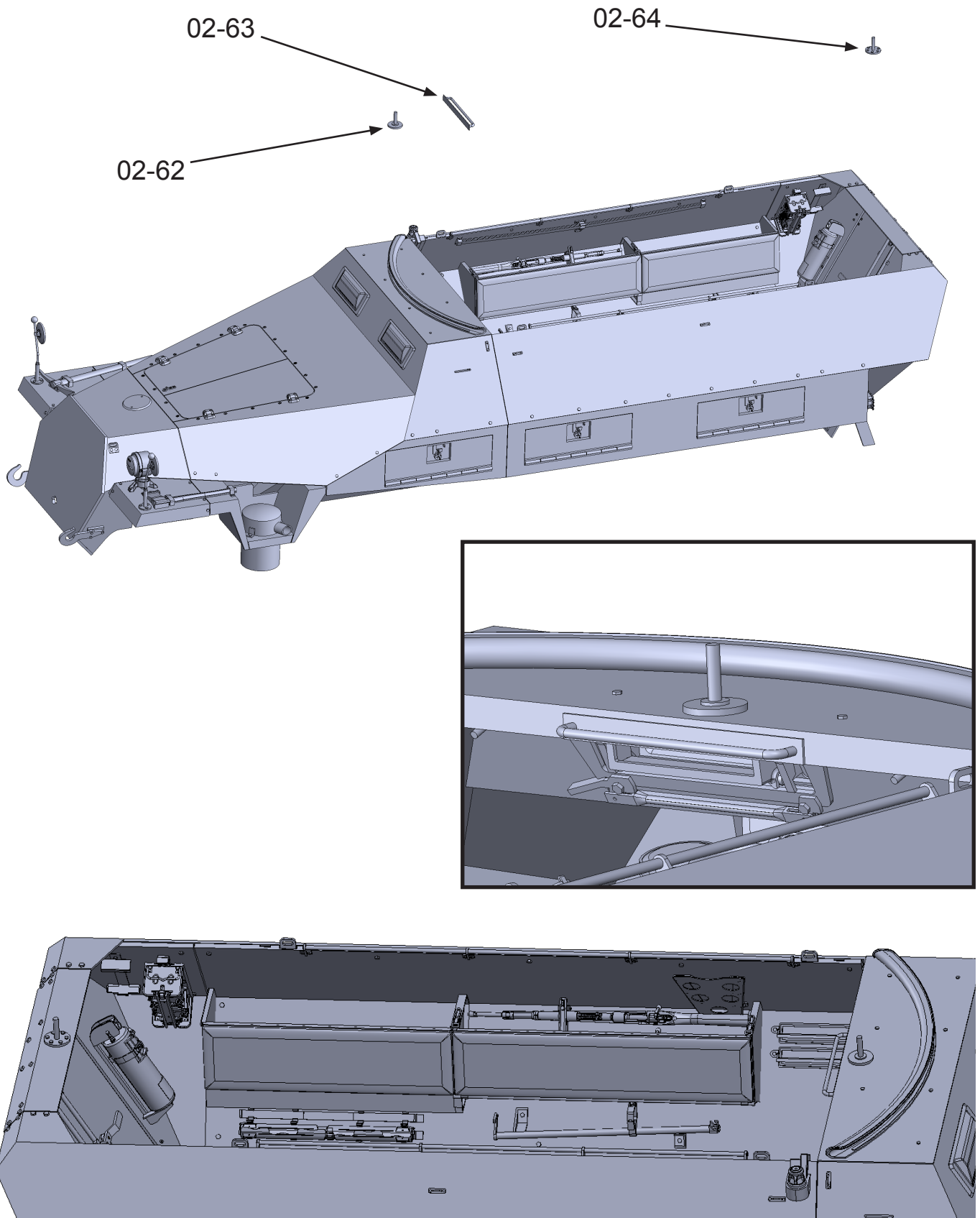


Auxiliary views for the rear doors.

Assembly 02 - Upper Hull

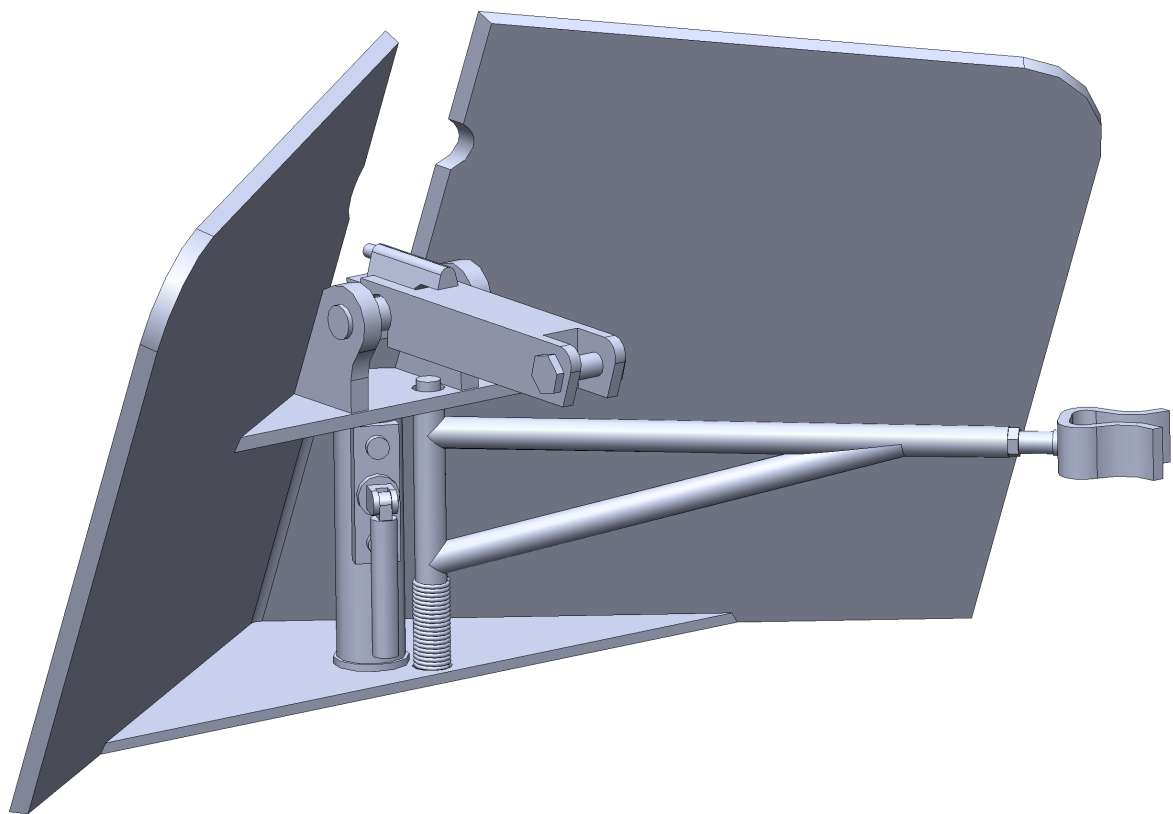
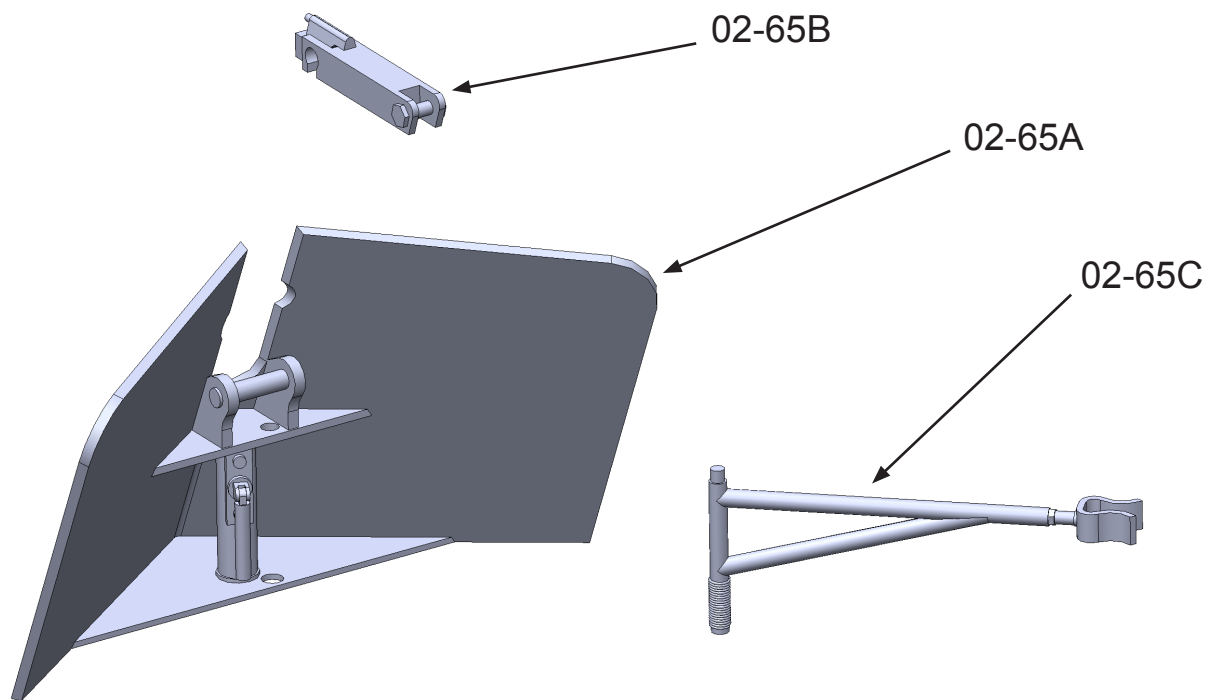


Assembly 02 - Upper Hull



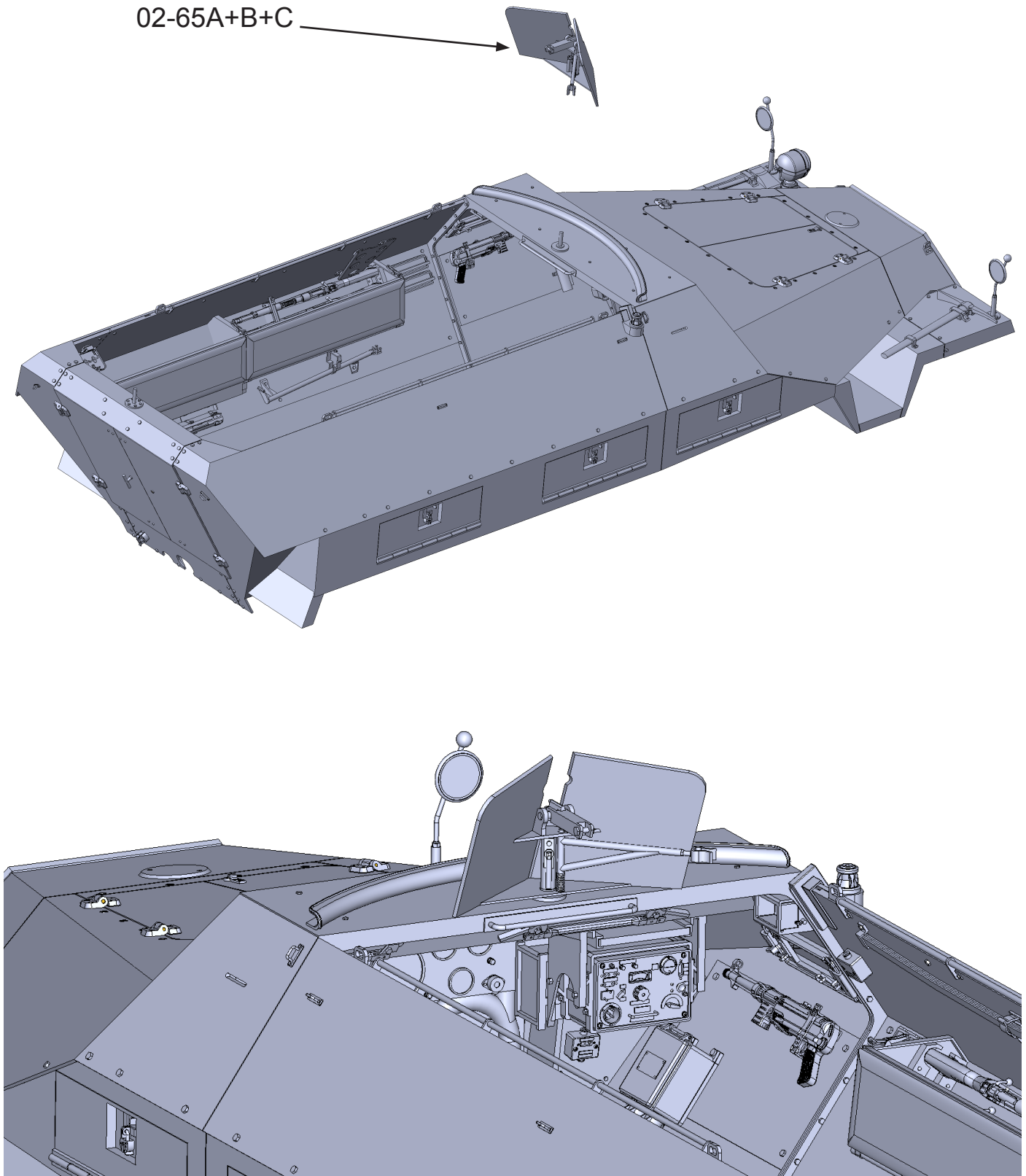
Glue parts 02-62, 02-63 and 02-64.

Assembly 02 - Upper Hull



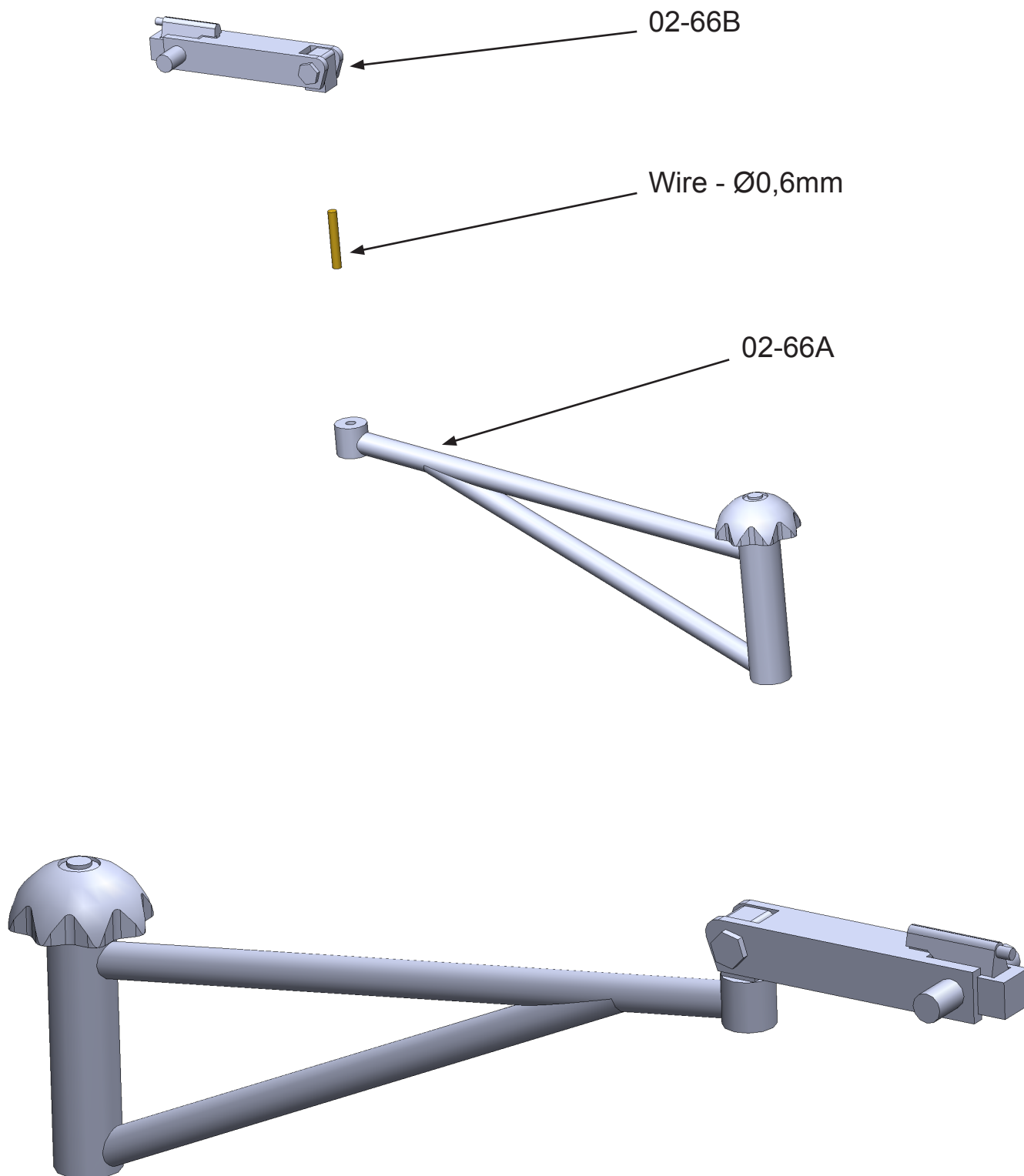
Connect parts 02-65A, 02-65B and 02-65C.
DO NOT GLUE THESE PARTS TOGETHER.
Just snap them together.

Assembly 02 - Upper Hull



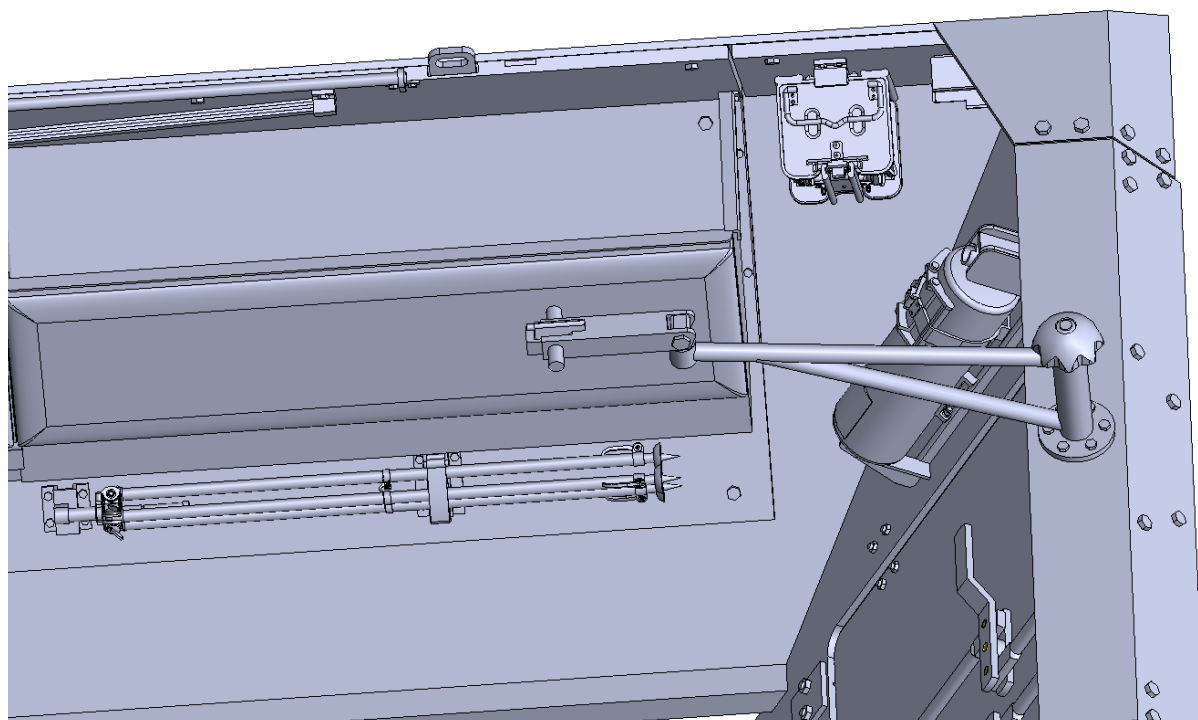
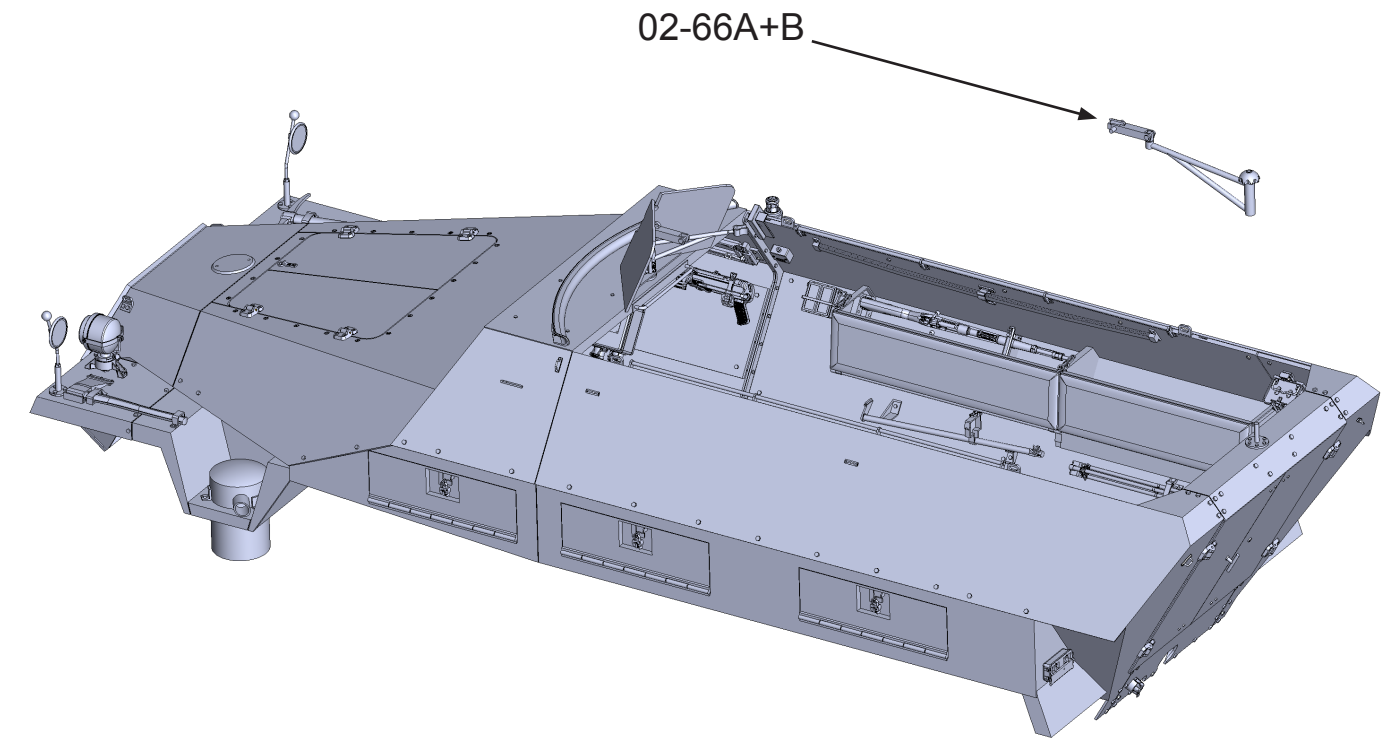
Attach the 02-65A+B+C parts assembly to part 02-62.
DO NOT GLUE THESE PARTS TOGETHER.

Assembly 02 - Upper Hull



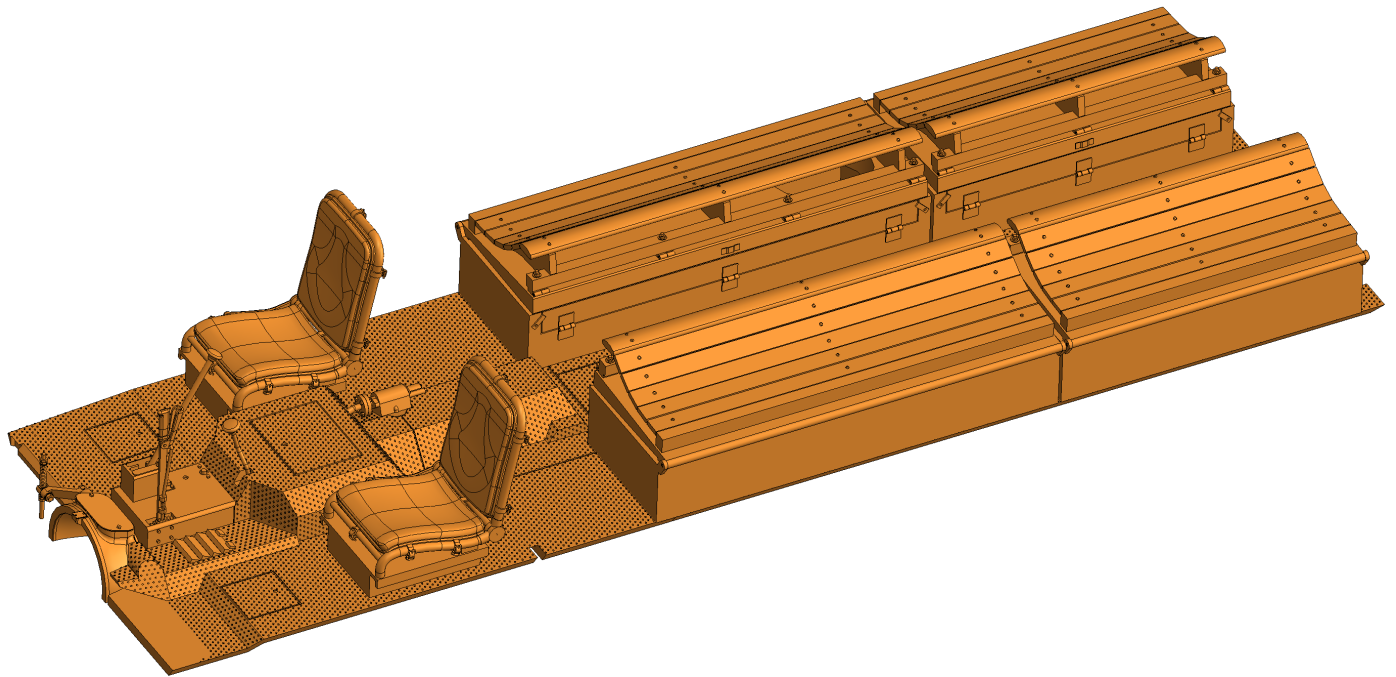
Connect parts 02-66A and 02-66B using 0.6mm diameter wire (4mm length).
Fix the wire with glue in only one of the parts
so that the 02-66B part can rotate freely.

Assembly 02 - Upper Hull



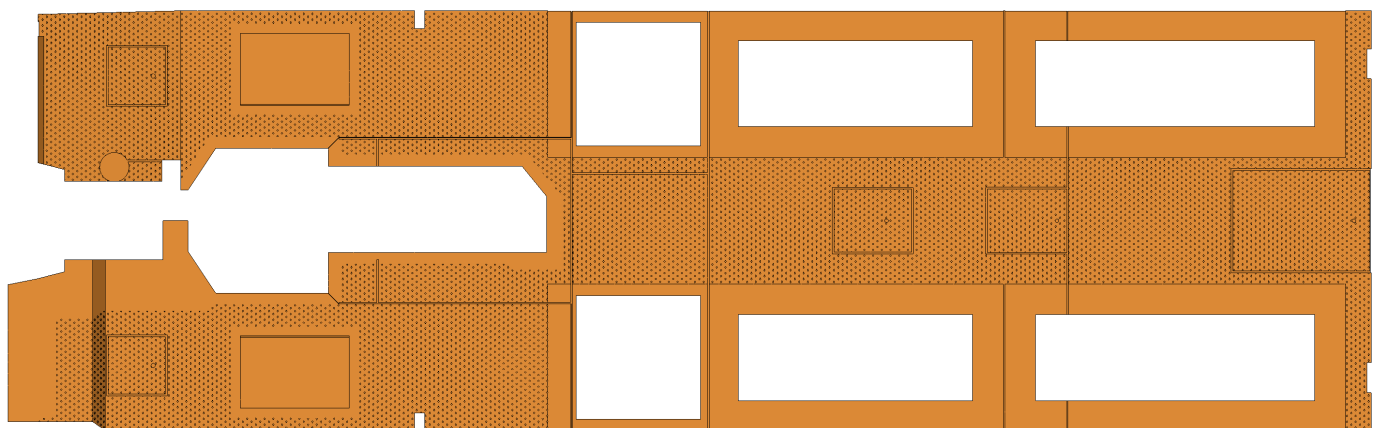
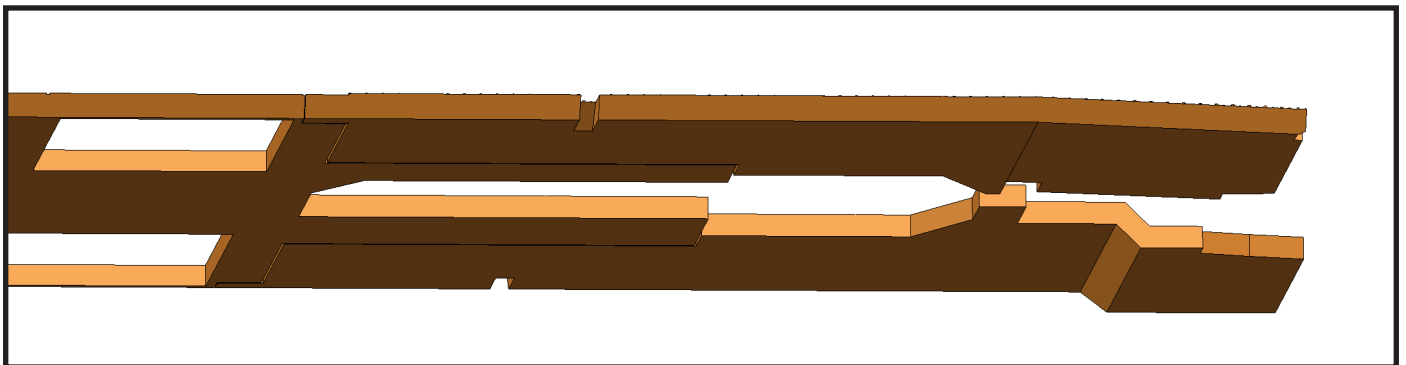
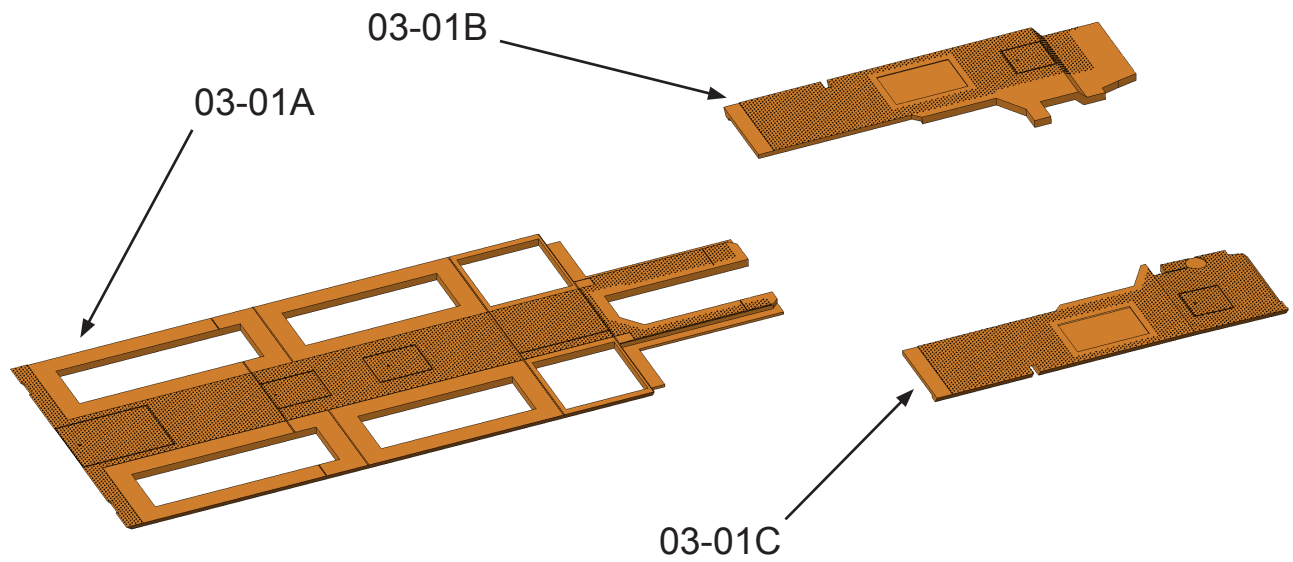
Attach the 02-66A+B parts assembly to part 02-64.
DO NOT GLUE THESE PARTS TOGETHER.

Assembly 03 - Floor



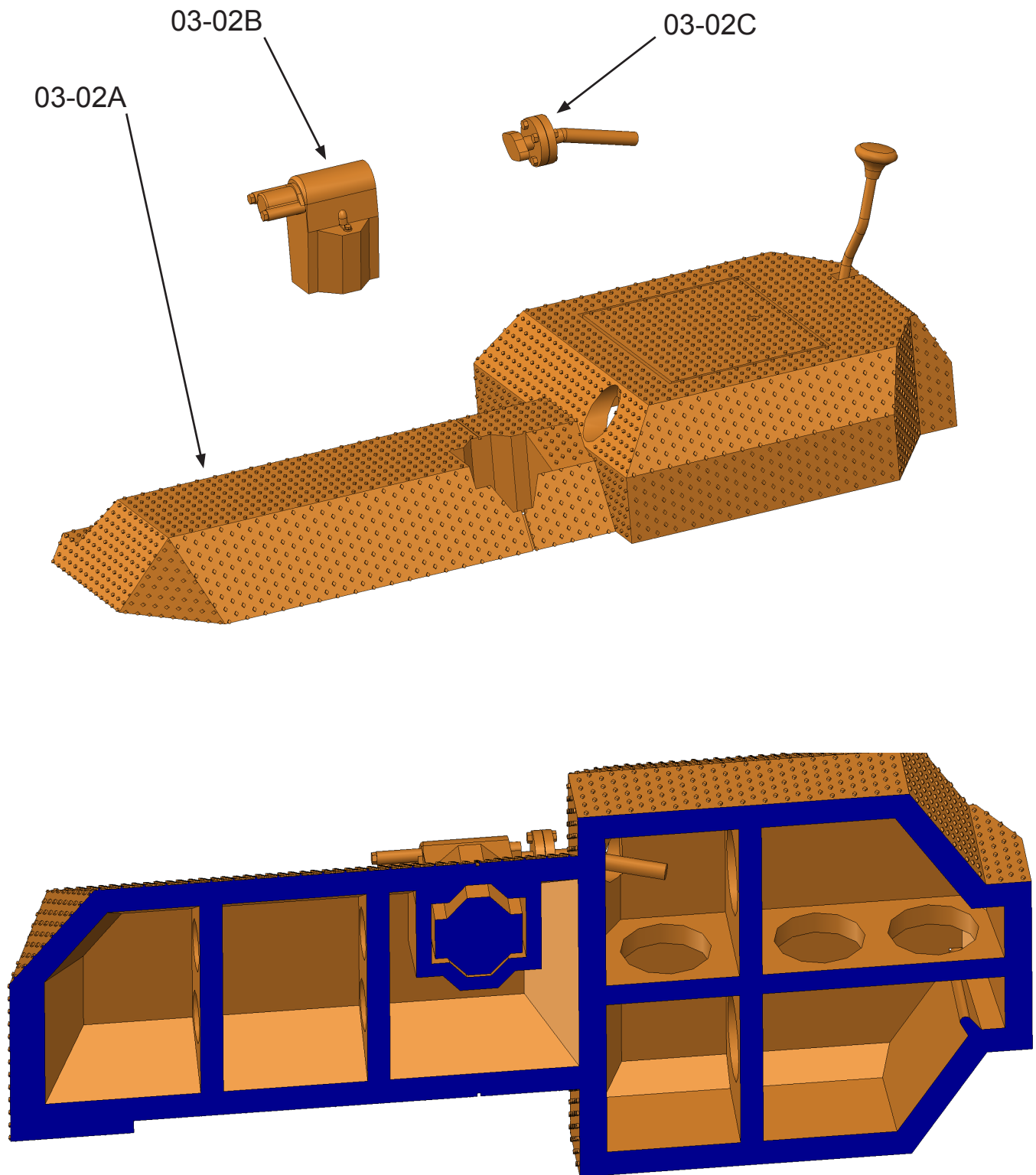
3D PRINTED PARTS:	03-01A (1x), 03-01B (1x), 03-01C (1x), 03-02A (1x), 03-02B (1x), 03-02C (1x), 03-03 (1x), 03-04 (1x), 03-05 (1x), 03-06 (1x), 03-07 (2x), 03-08 (2x).
NON-PRINTED PARTS:	M2 nut (4x), M2x16mm screw (4x), Cooling Fan (1x).

Assembly 03 - Floor



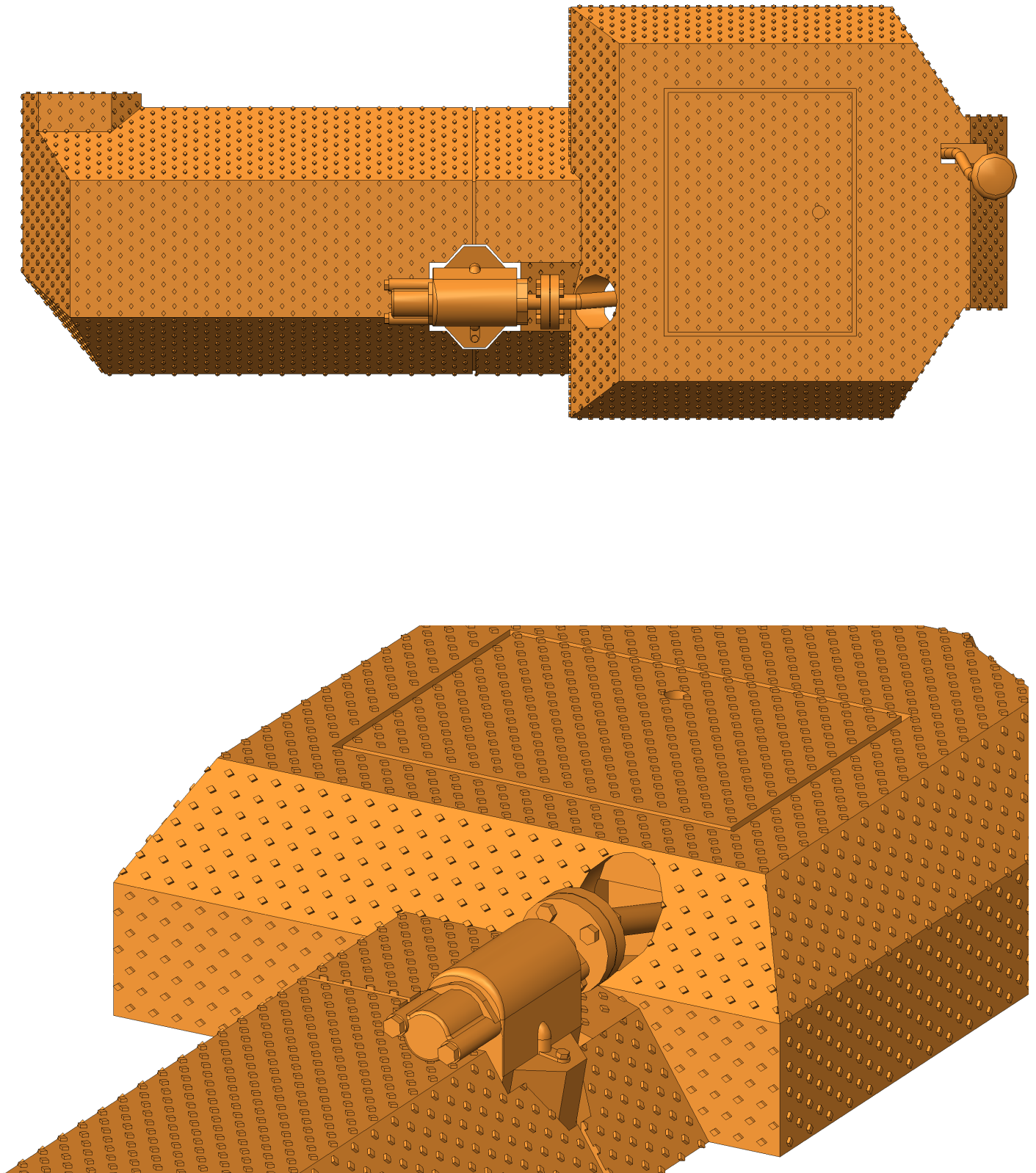
Glue parts 03-01A, 03-01B and 03-01C together.
Align them carefully.

Assembly 03 - Floor



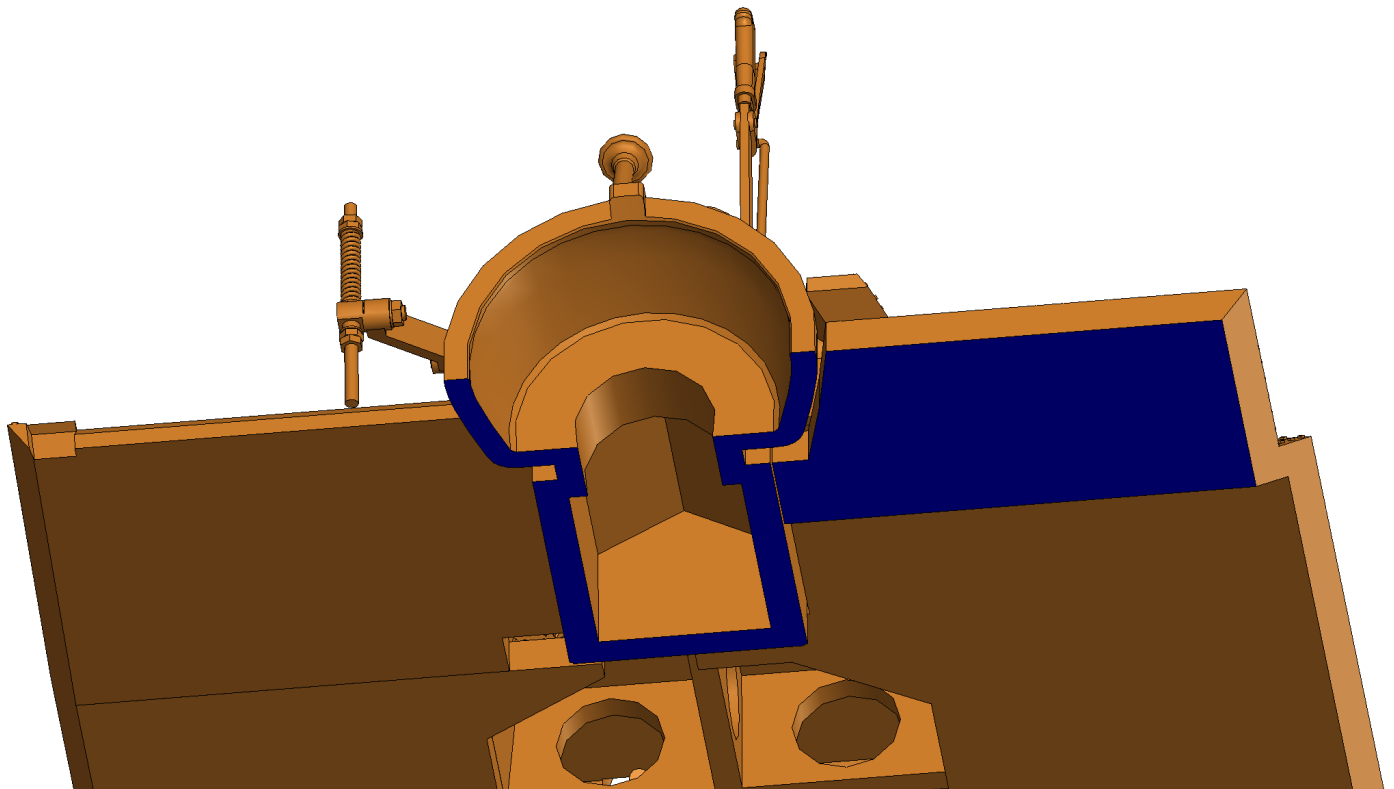
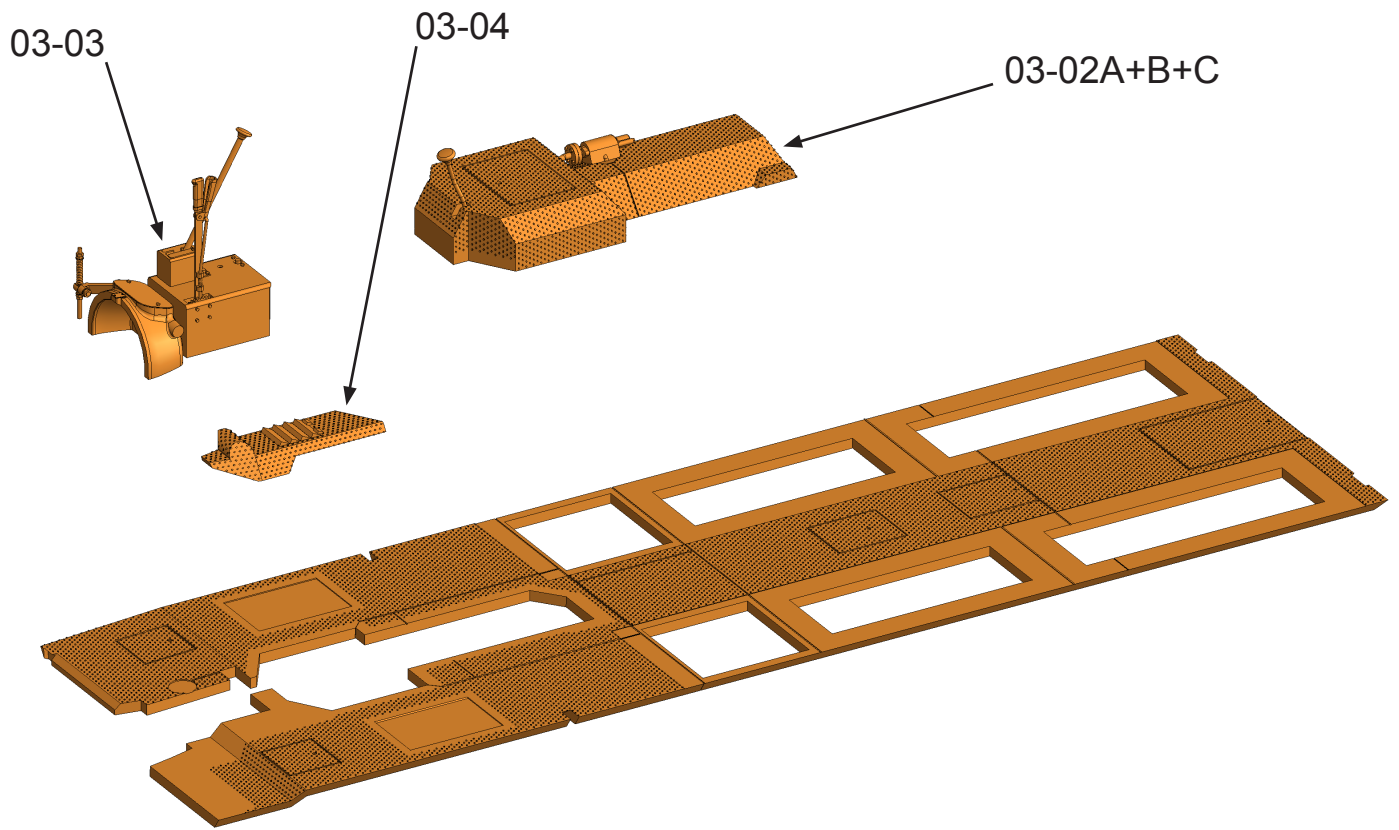
Glue part 03-02B to part 03-02A. Then glue part 03-02C to part 03-02B.
Align the surfaces marked in blue together.

Assembly 03 - Floor



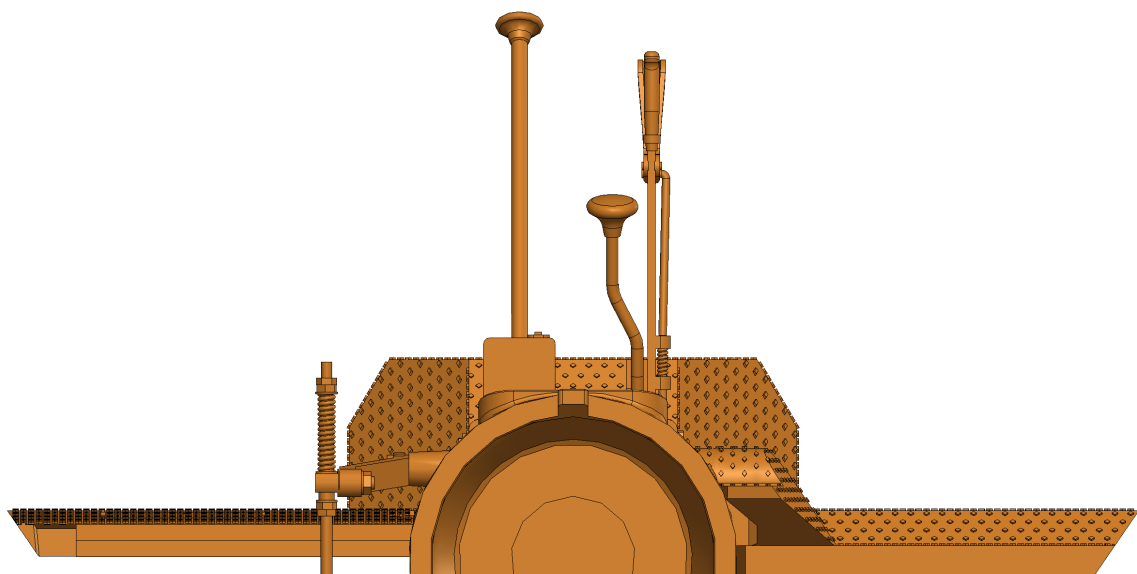
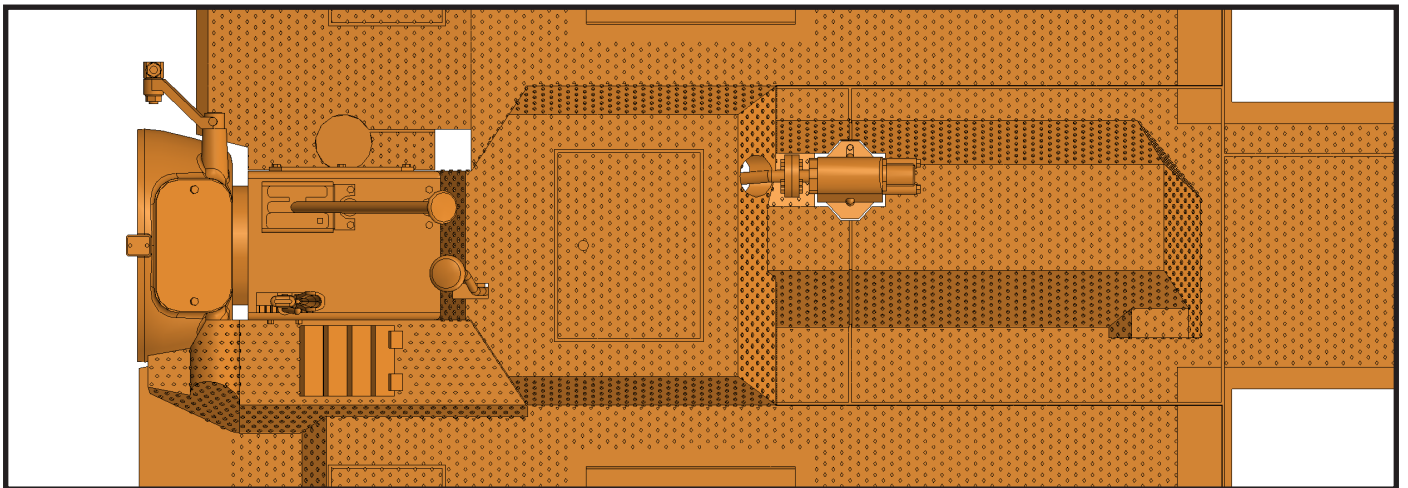
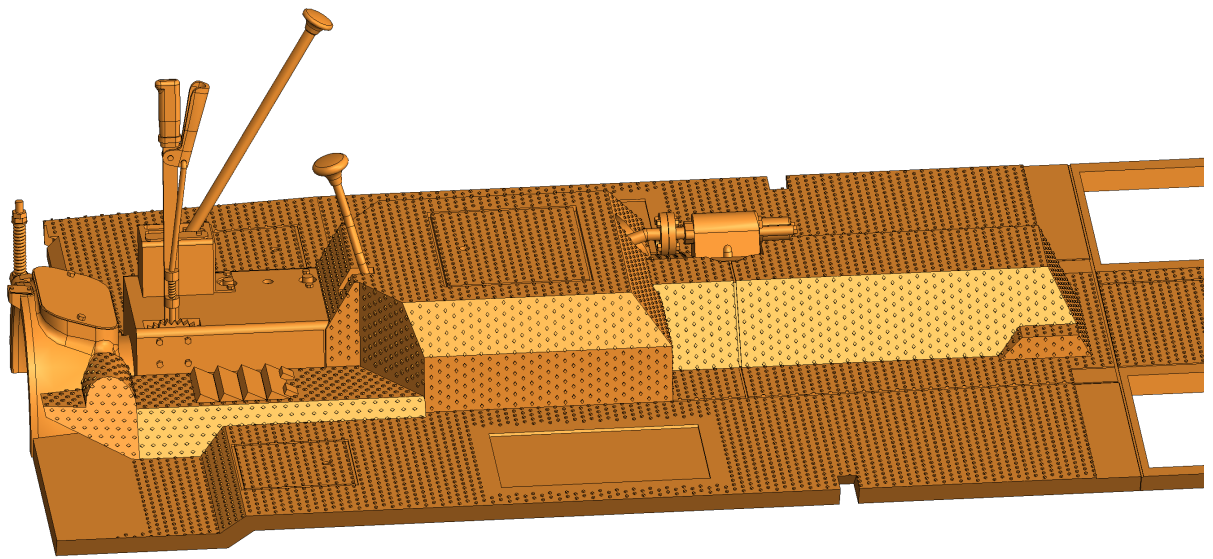
Auxiliary views for installation of parts 03-02A, 03-02B and 03-02C.

Assembly 03 - Floor



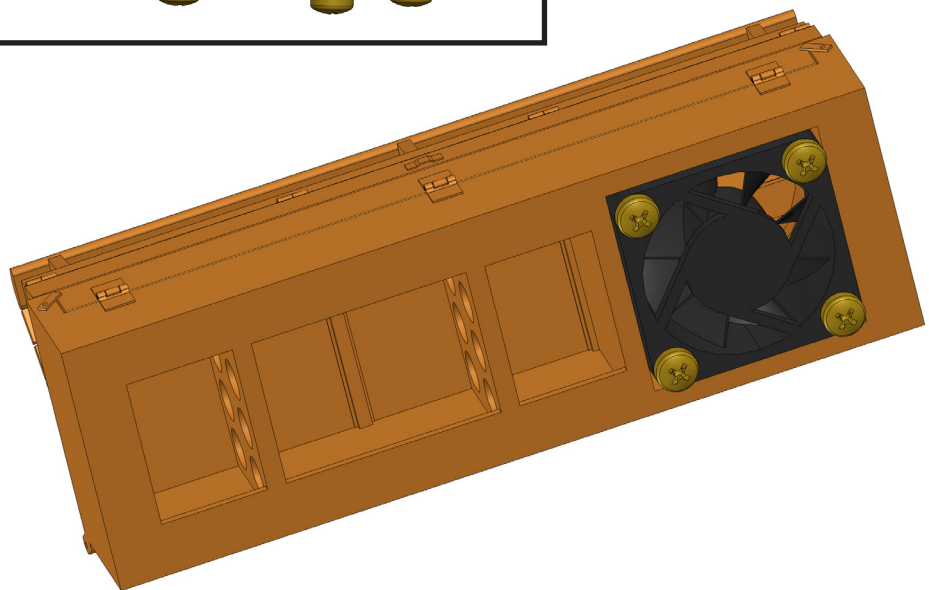
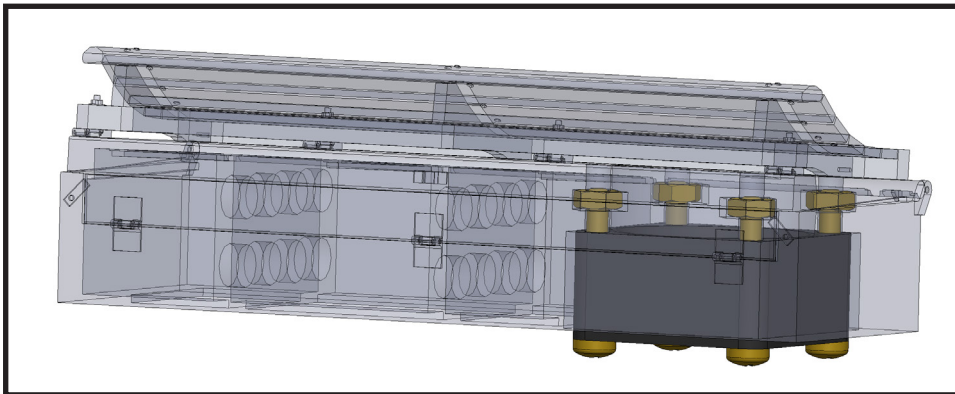
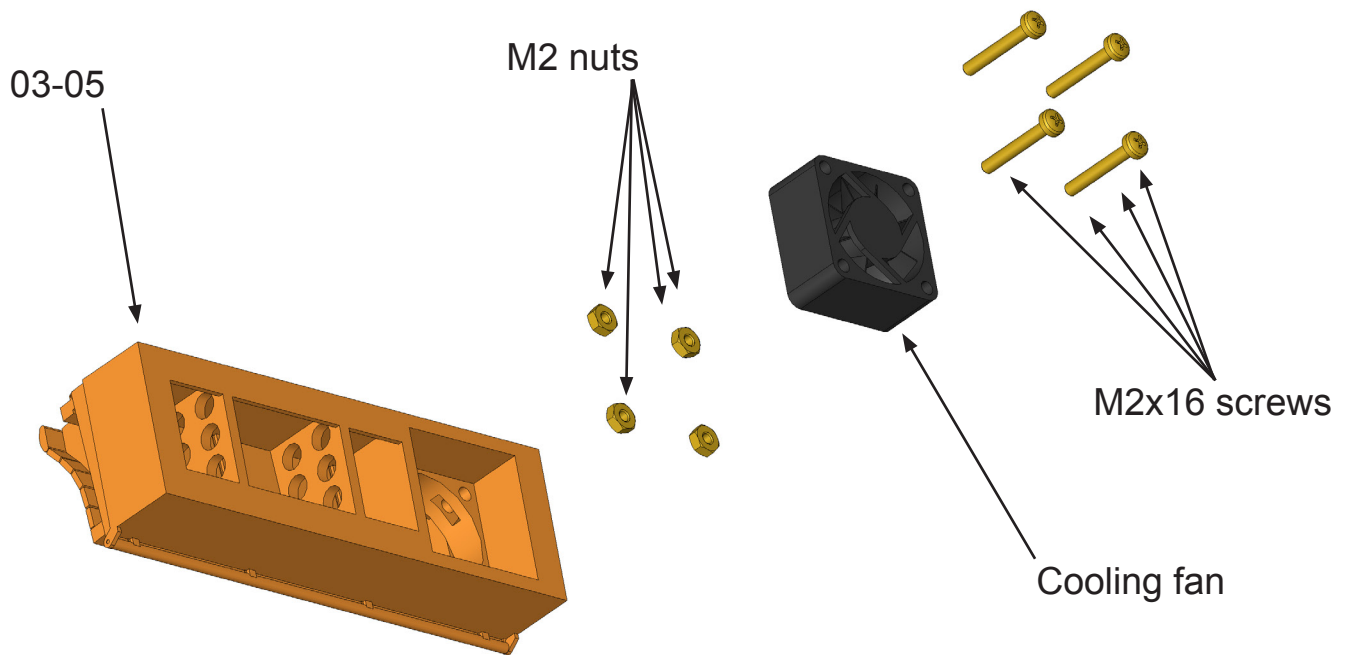
Glue parts 03-03 and 03-04 to part 03-01A+B+C.
Align the surfaces marked in blue together.

Assembly 03 - Floor



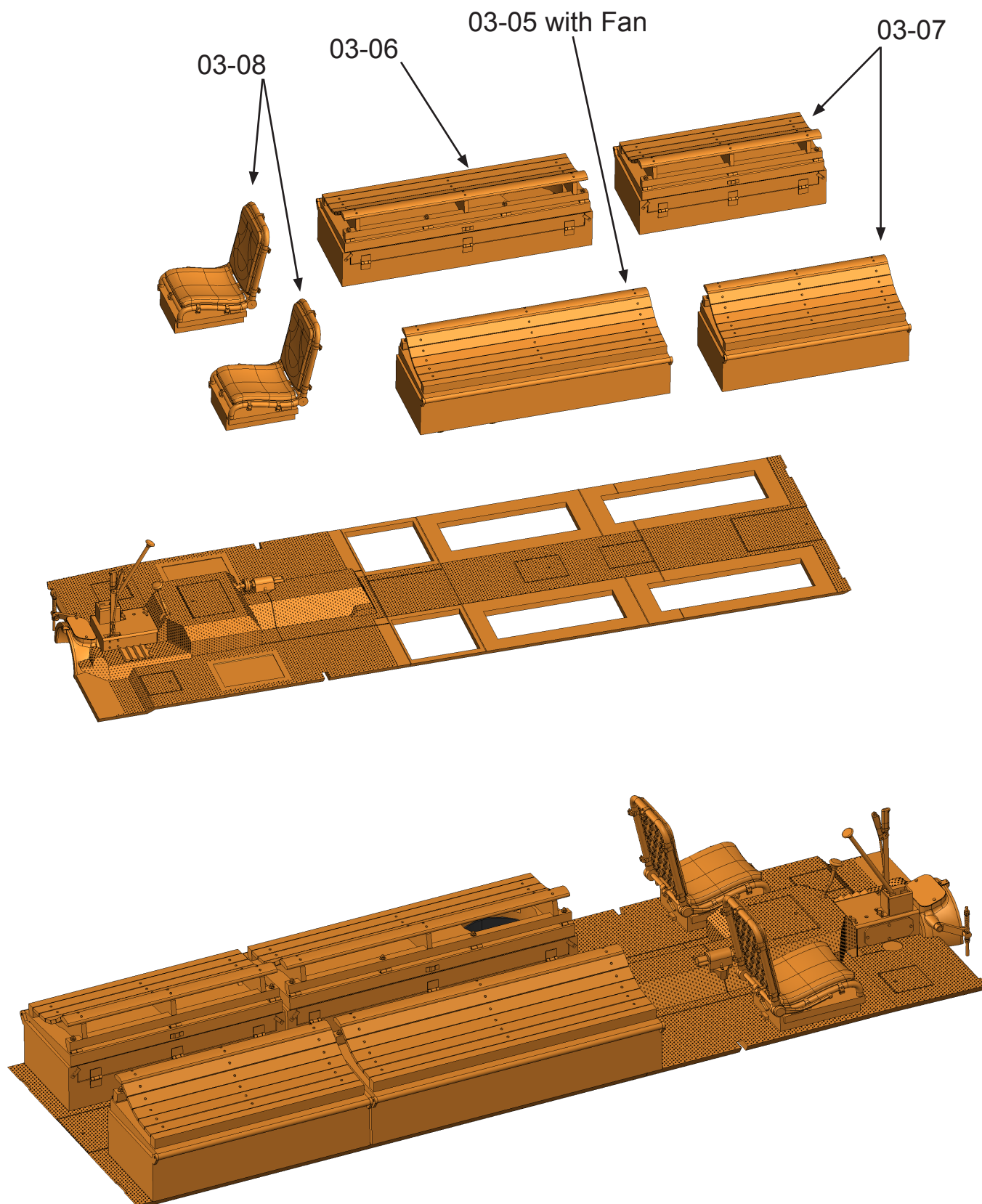
Auxiliary views for installation of parts 03-03 and 03-04.

Assembly 03 - Floor

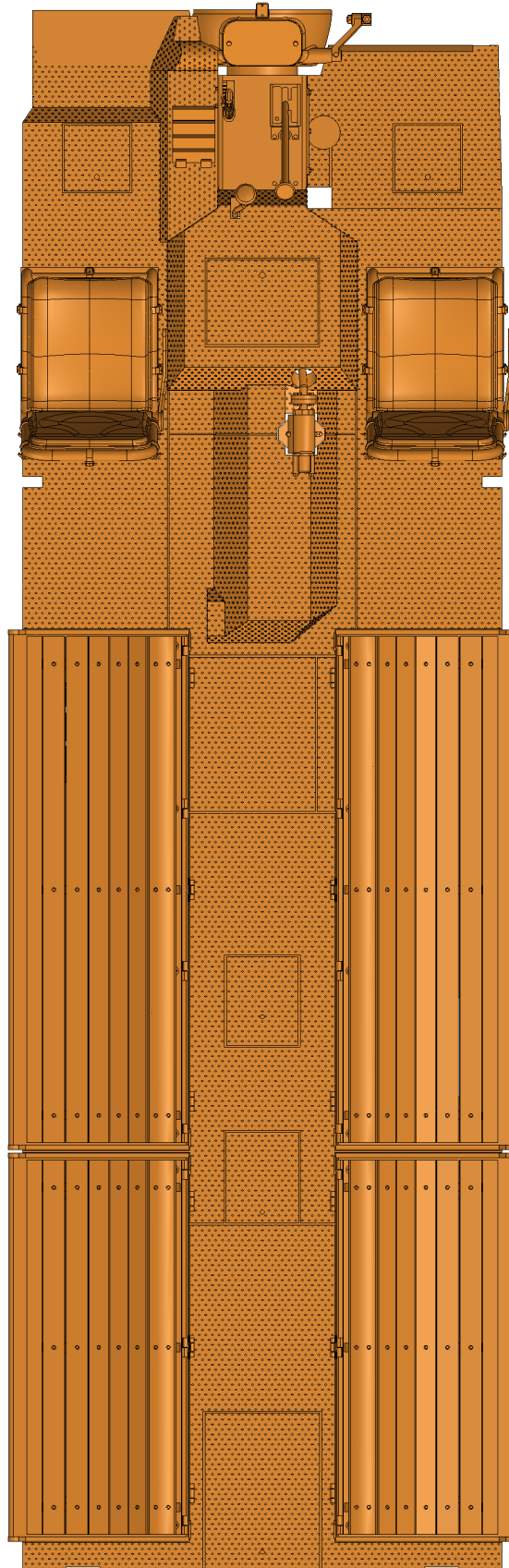


Install the fan into part 03-05 using M2x16 screws and M2 nuts.

Assembly 03 - Floor

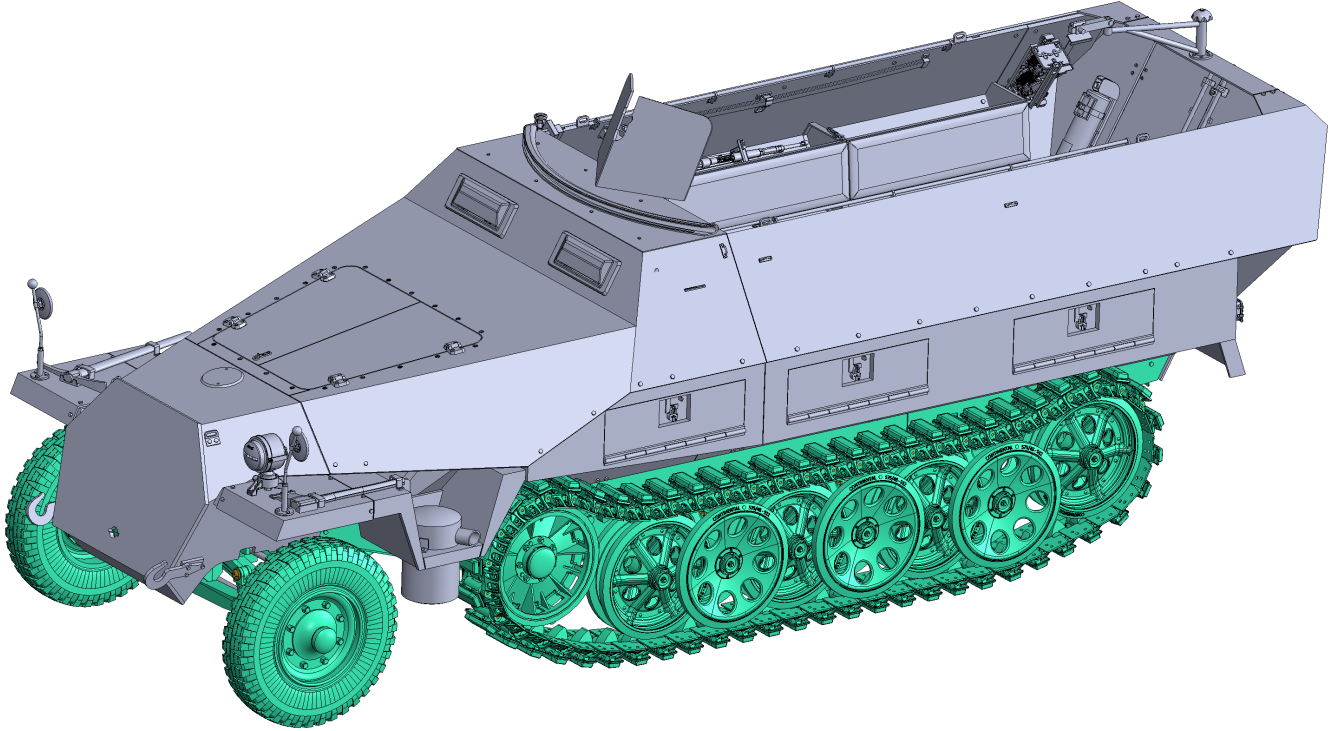


Assembly 03 - Floor



Auxiliary view for installation of parts 03-05, 03-06, 03-07 and 03-08.

Final assembly

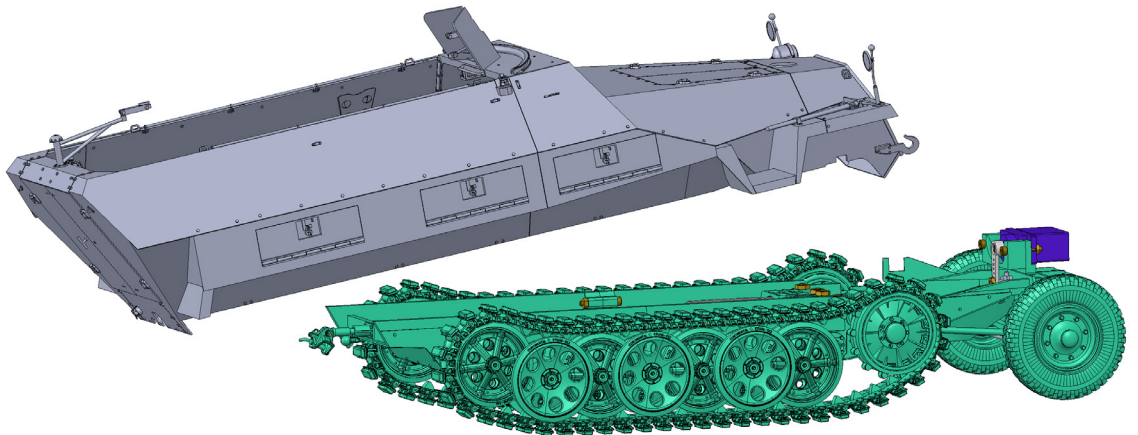
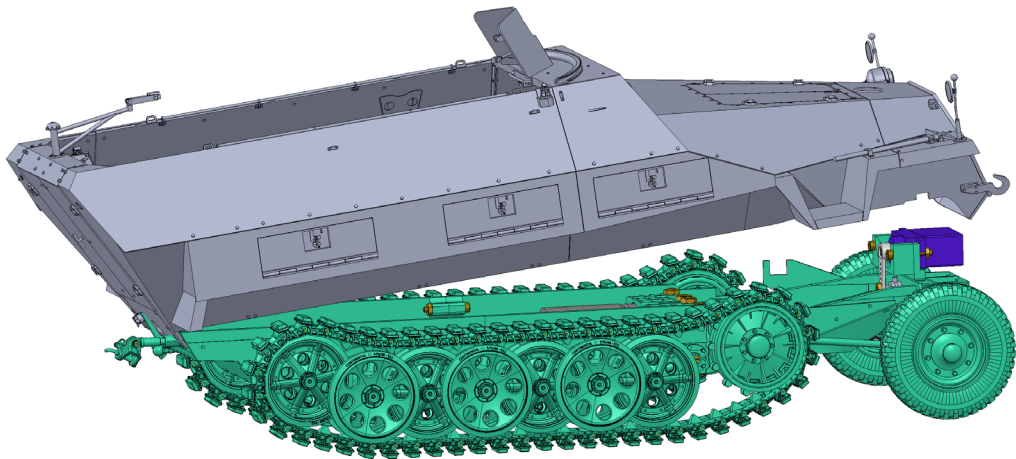
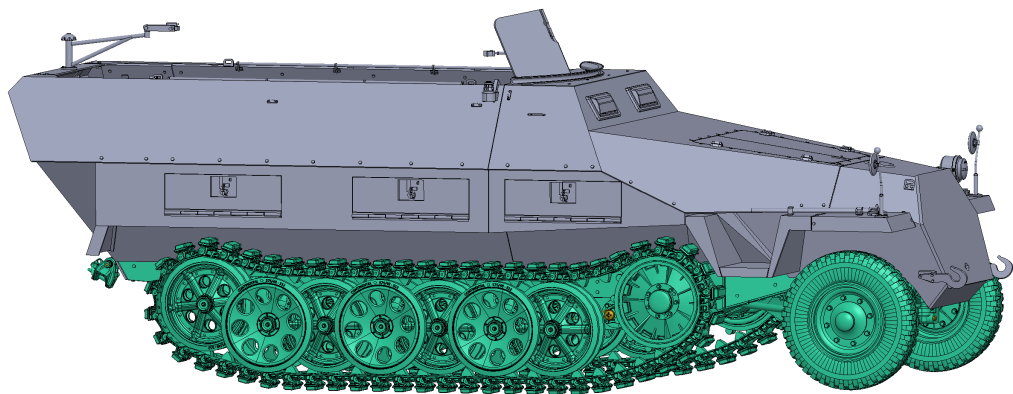


3D PRINTED PARTS: ASSEMBLY 01 - Chassis, ASSEMBLY 02 - Upper Hull, ASSEMBLY 03 - Floor.

Sd.Kfz.251/1 Ausf.D

Assembly guide

Final assembly

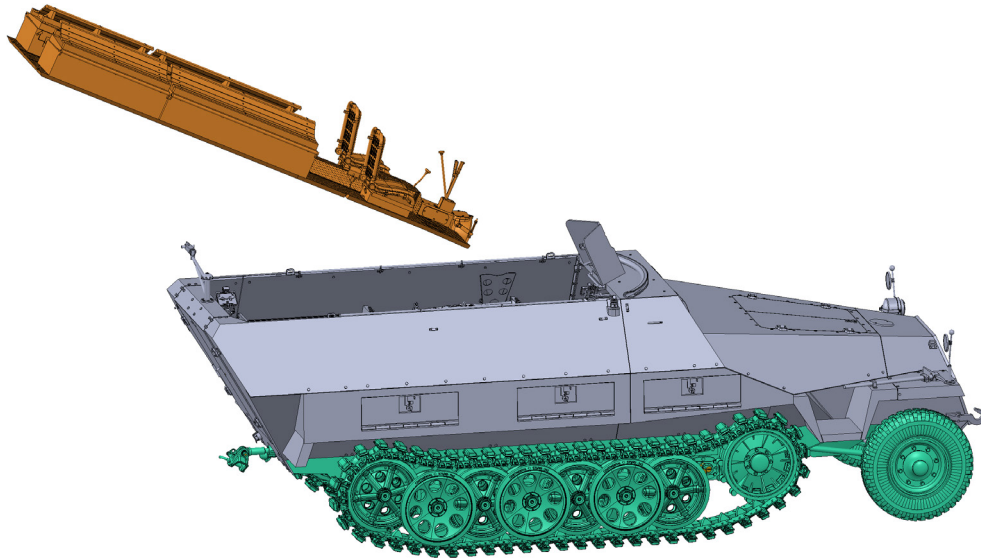
1**2****3**

Insert the 02 assembly into the assembly 01.
Insert the assembly at an angle as shown in the illustration.

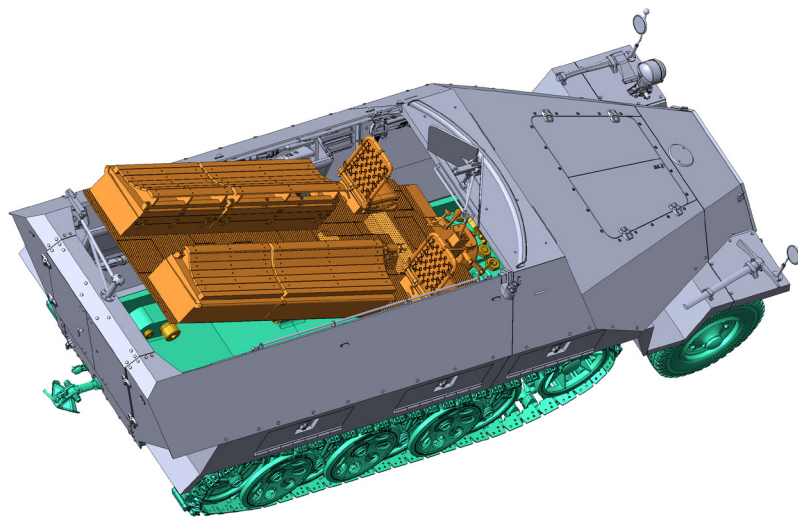
Rear first, then front.

NEVER GLUE THESE ASSEMBLIES TOGETHER!!!

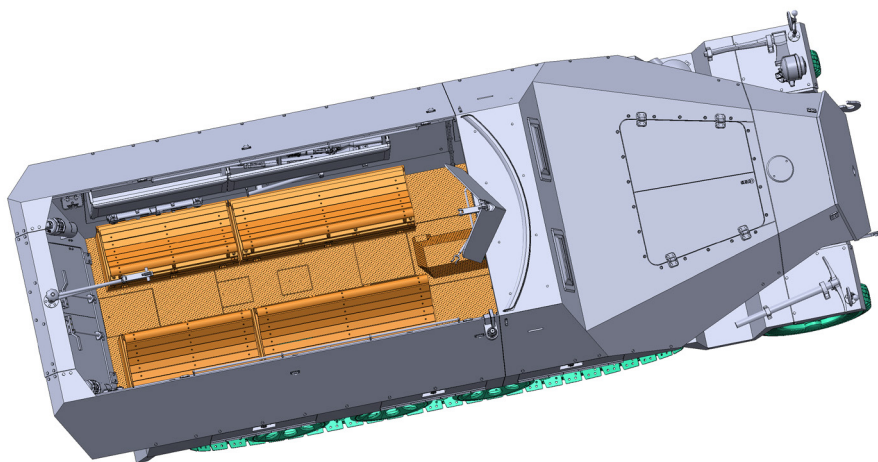
Final assembly



1



2



3

Insert the 03 assembly into the assembly 02.
Insert the assembly at an angle as shown in the illustration.
Front first, then rear.
GLUING OF THESE ASEMBLIES IS NOT RECOMMENDED.

Sd.Kfz.251/1 Ausf.D

Assembly guide

Final assembly

Congratulations on completing the model.
We hope the construction was fun and hassle-free.

Tips for connecting electronics, more information and tips for printing, common tips for operation and many other tools can be found on our forum:

<https://www.warprints.xyz/forum>

