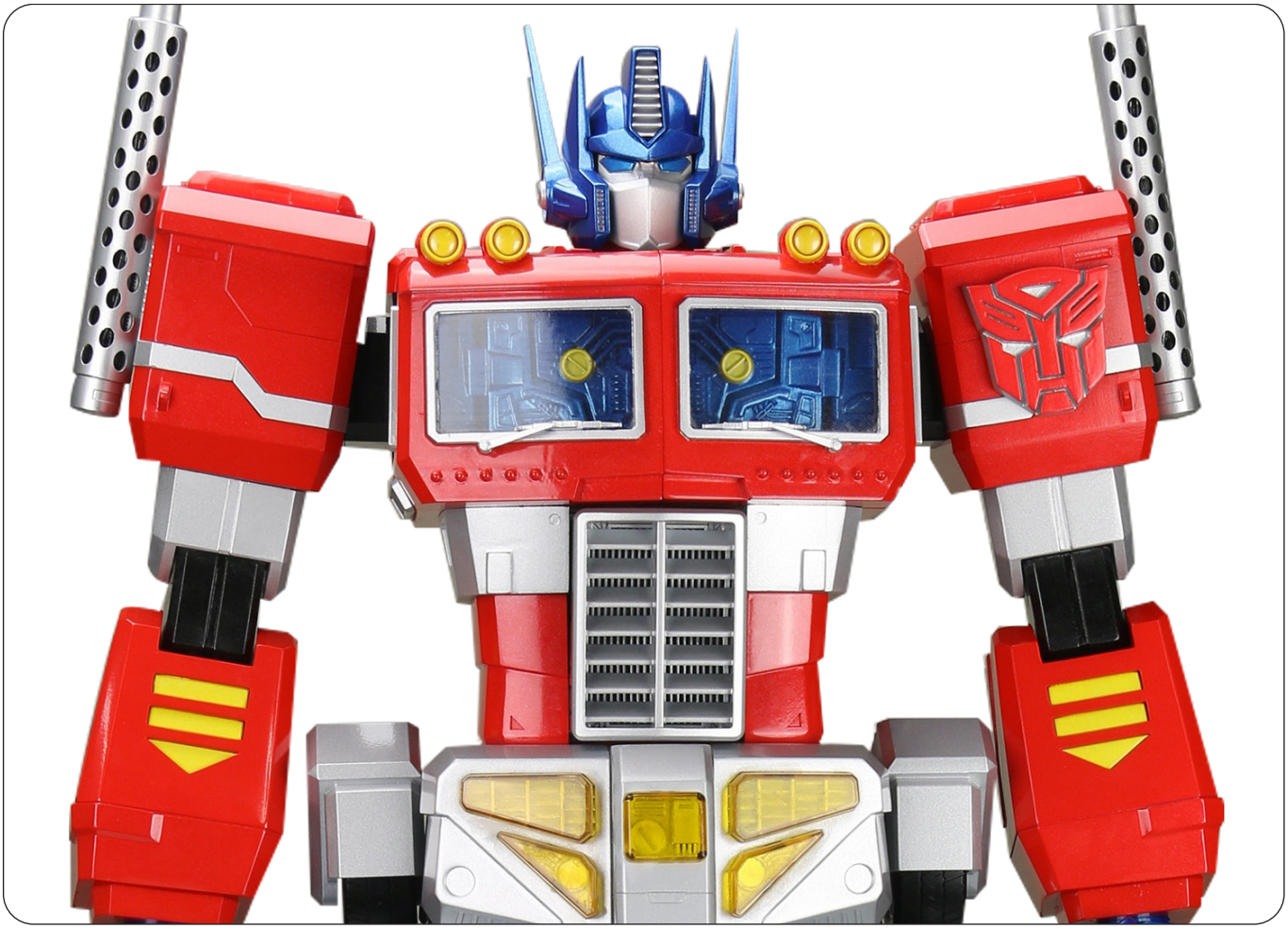
OPTIMUS PRIME



Pack 11

BUILD INSTRUCTIONS

ASSEMBLING THE FUEL TANKS ON TOP OF THE LEGS

ASSEMBLING THE LEFT-SIDE WHEELS

ASSEMBLING THE RIGHT-SIDE WHEELS

ASSEMBLING THE SPINE

ASSEMBLING THE BODY

ASSEMBLING THE REMOTE CONTROL FOR LIGHTS AND VOICE

AGORA MODELS

Advice from the experts

Please keep ALL unused screws as they may be required in a later stage.

Please make sure you don't mix up the screws. They look quite similar, but the threads do vary slightly. Using the wrong screws may damage the parts.

When securing parts together using multiple screws, fit each screw loosely to ensure all the parts are correctly aligned before gently tightening them firmly, but not overtight, in the order in which you placed them.

The screwdriver can be magnetized by stroking it with a magnet (fridge magnet, etc.) enabling it to hold the screws and make assembly easier.

If a screw is tight going into a metal part, do not force it as you may shear the head off. Remove it and put a tiny smear of Vaseline, soap or light oil on the thread. That will lubricate it and make it easier to drive home.

Some parts will require a little glue for assembly. Please apply glue sparingly and use a cocktail stick so that you don't use too much nor apply the glue too heavily. We recommend superglue gel or Extra Thin Liquid modeling glue. Where possible, parts should be test-fitted in place before gluing.

Look out for the glue symbol and apply glue to the red area indicated in the picture.

During the course of this build, you will receive many pieces that you will assemble immediately – following the instructions in the corresponding stage – and other pieces that you should store in the tray supplied, for use in future assembly stages.

Always protect the paint finish on components by placing a cutting mat, sheet of white paper or soft cloth on your work surface.

Left and Right! When building your Optimus Prime, the left or right hand side refers to each side as viewed by Optimus Prime. Optimus Prime's left arm is on the viewer's right.

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

Pack 11 Parts

TRAY 1 SCREWS

M 3x8mm x16

PWB 2.3x6mm x3

TR-11-92 x4

PM 3x8mm x20

PB 2.3x6mm x34

TR-11-86 x11

PWM 2x6mm x11

PWB 2.6x8mm x5

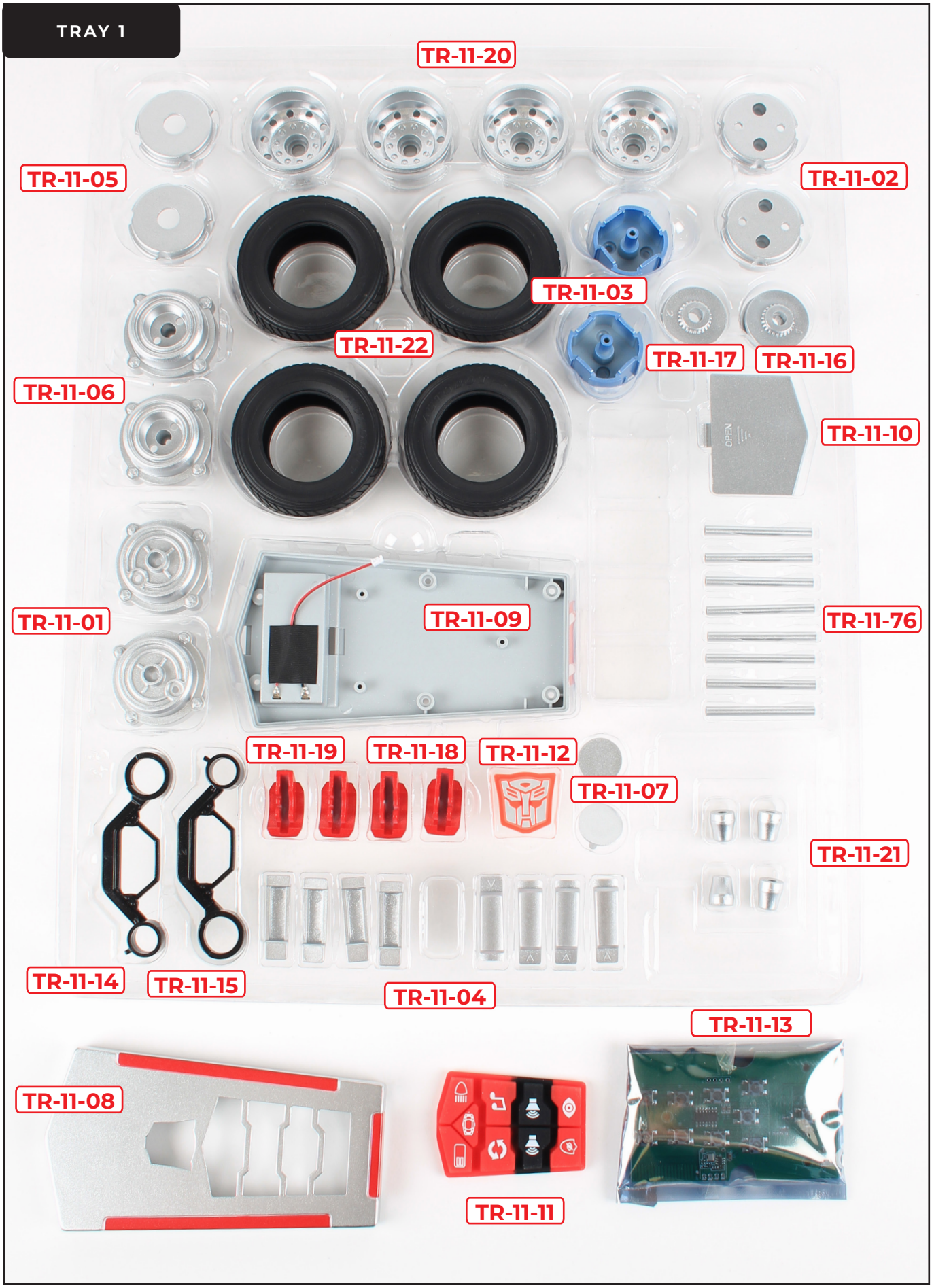
TR-11-87 x7

PWB 2.6x6mm x3

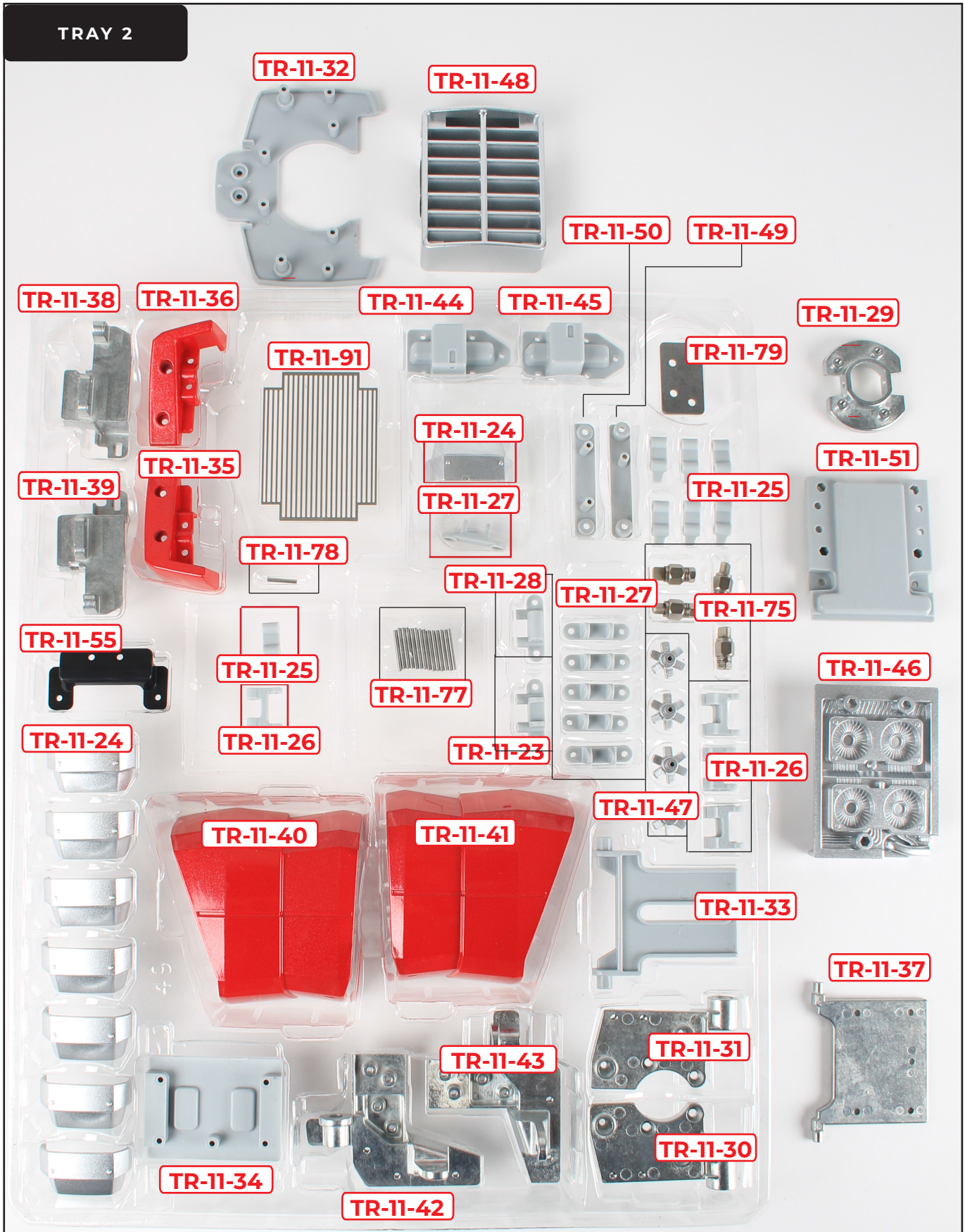
PB 2.6x8mm x28

TR-11-88 x5

Pack 11 Parts



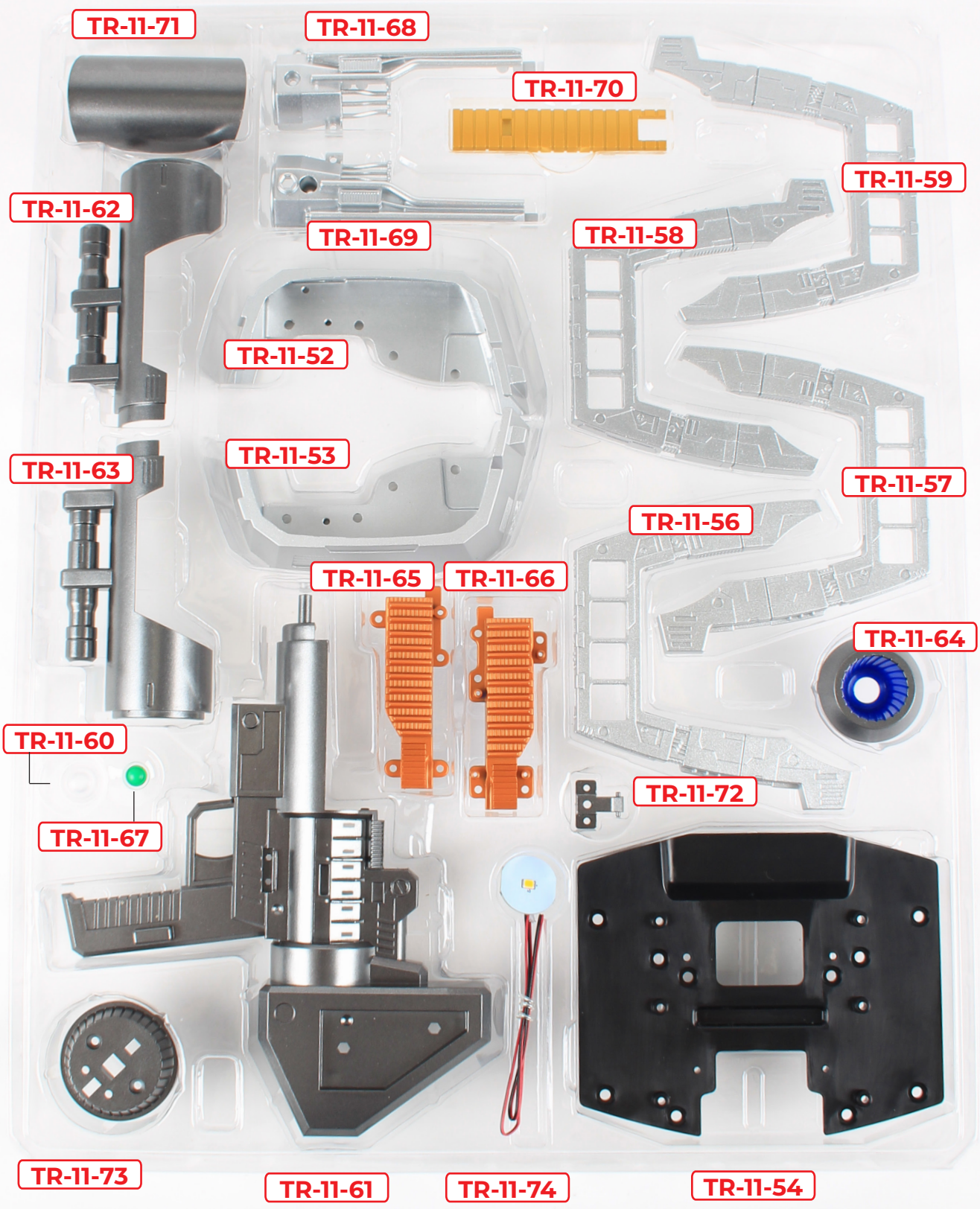
Pack 11 Parts



Note: Make sure you look underneath parts TR-11-48 and TR-11-46 to find 1x TR-11-25; 1x TR-11-26; 1x TR-11-24 & 1x TR-11-27. These extra parts are located separately to the remaining parts with the same numbers.

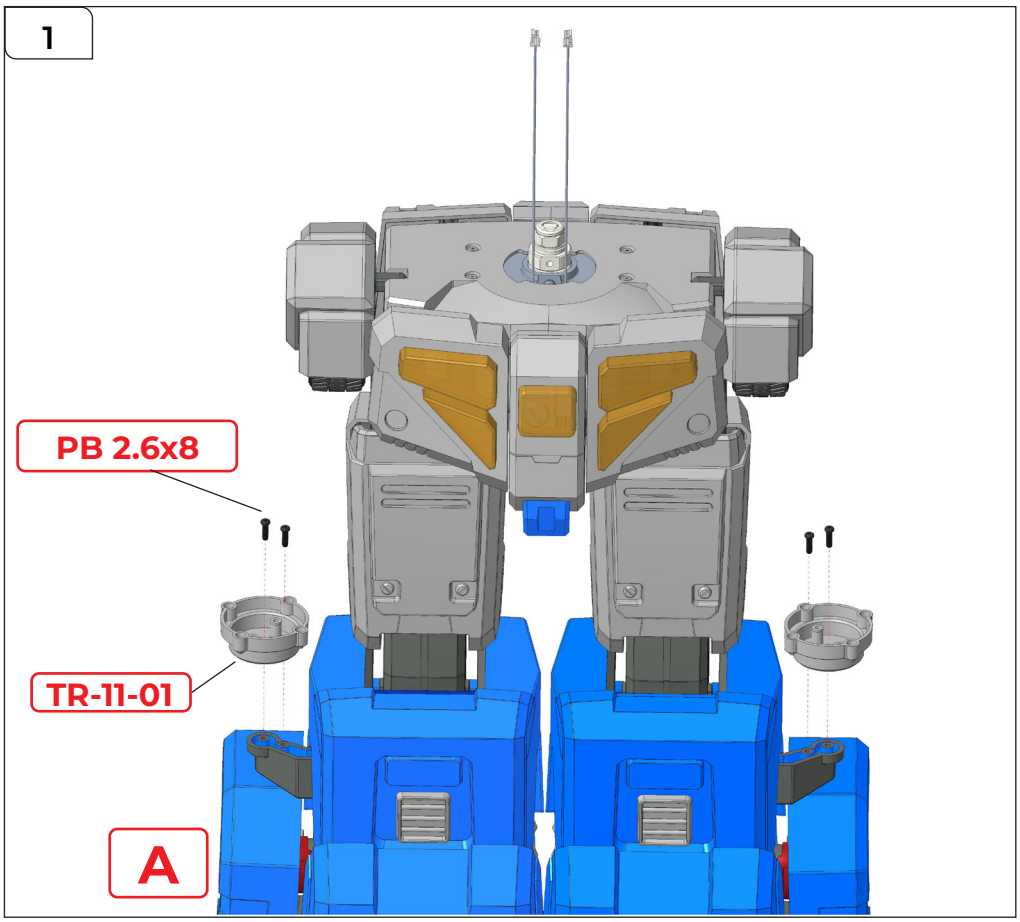
Pack 11 Parts

TRAY 3



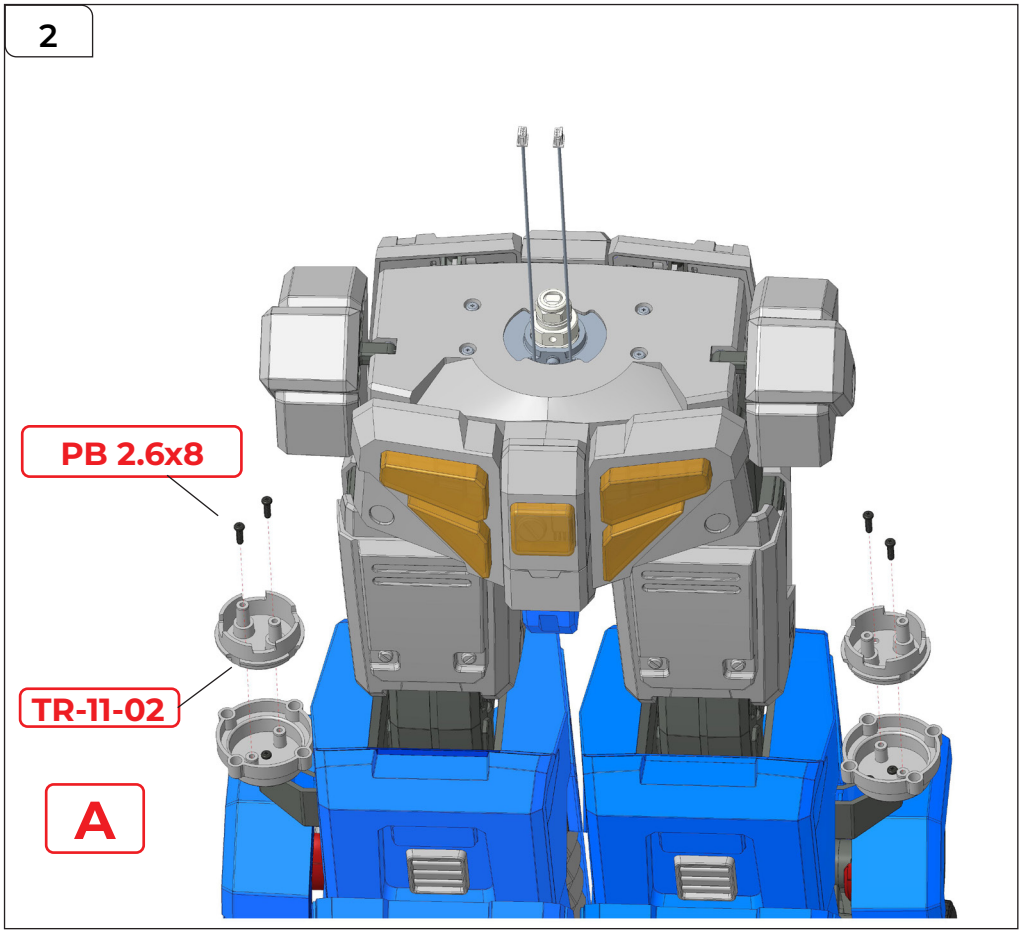
Most of the parts supplied in this tray are used to assemble the Matrix of Leadership and the blaster. Instructions will given for this in Pack 12 so keep them safe for now.

Assembling the Fuel Tanks on the Top of the Legs



STEP 1

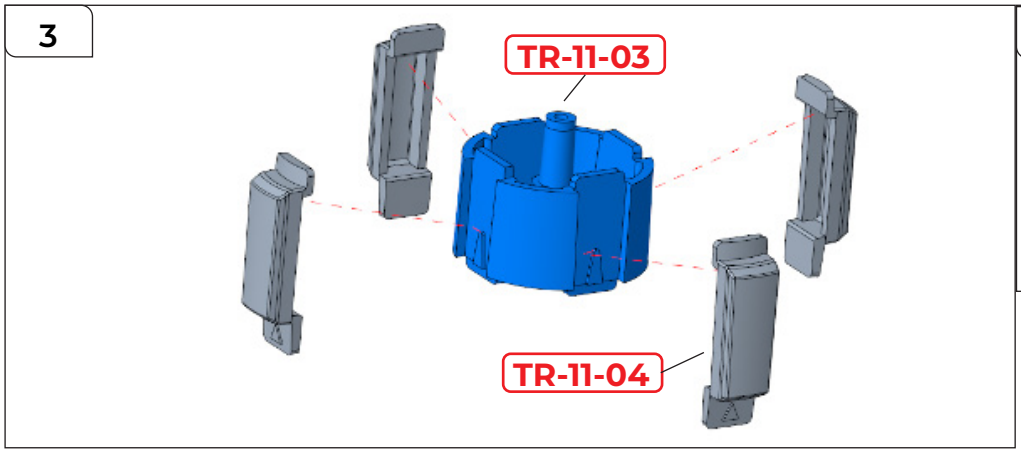
Push 2x TR-11-01 onto A as shown. Secure each part using 2x PB 2.6x8 mm screws.

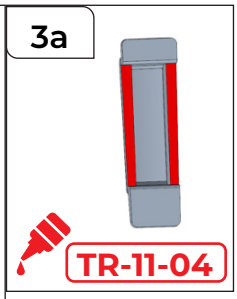


STEP 2

Place TR-11-02 on top, securing them using 2x PB 2.6x8 mm screws on each side.

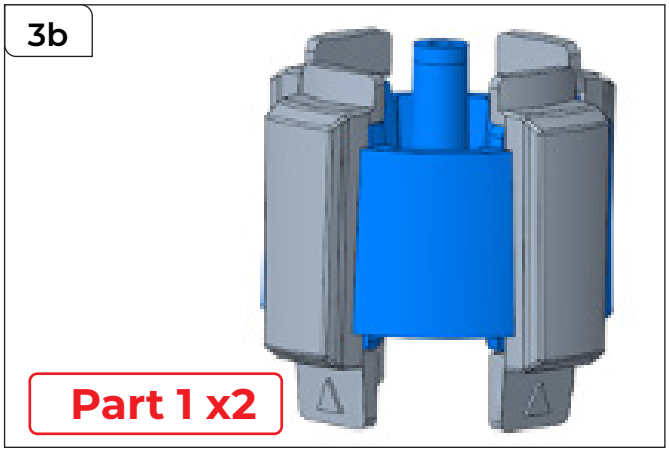
Assembling the Fuel Tanks on the Top of the Legs

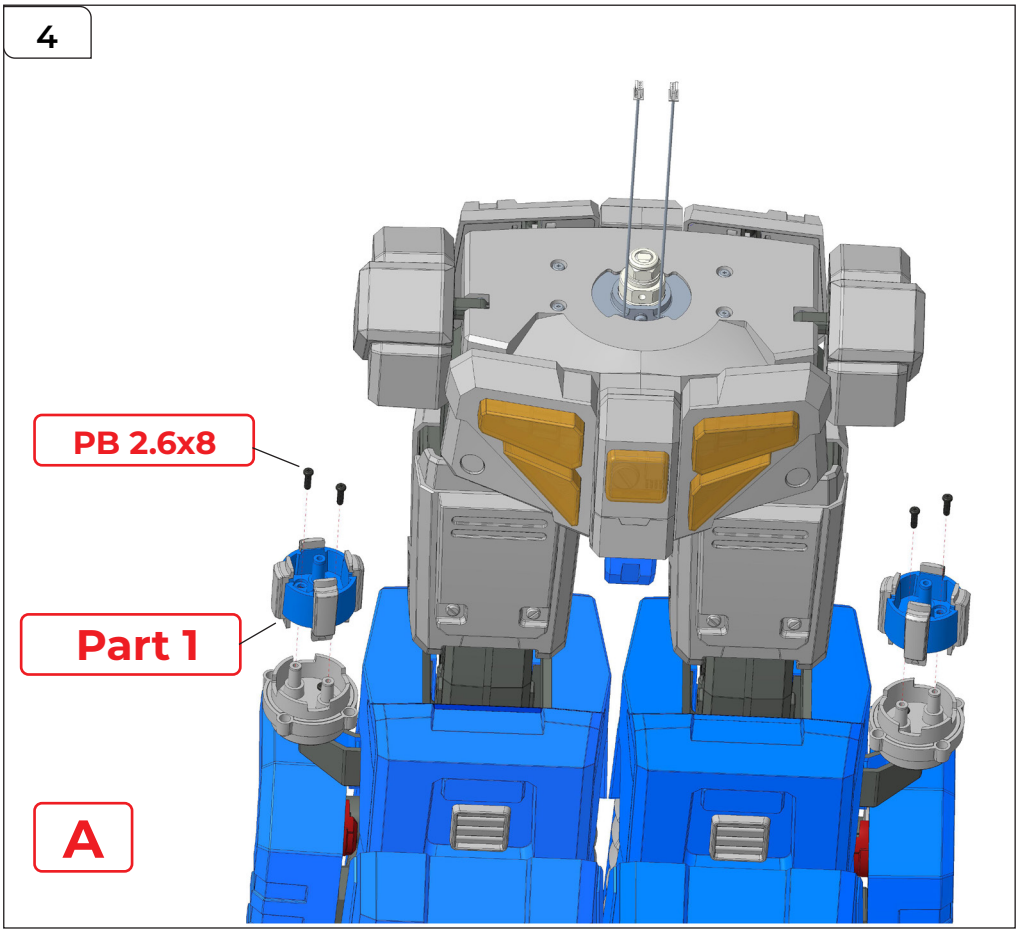




STEP 3

Take 4x TR-11-04. Apply a little glue to the area shown in red (3a) and fix to TR-11-03. Make two of these.

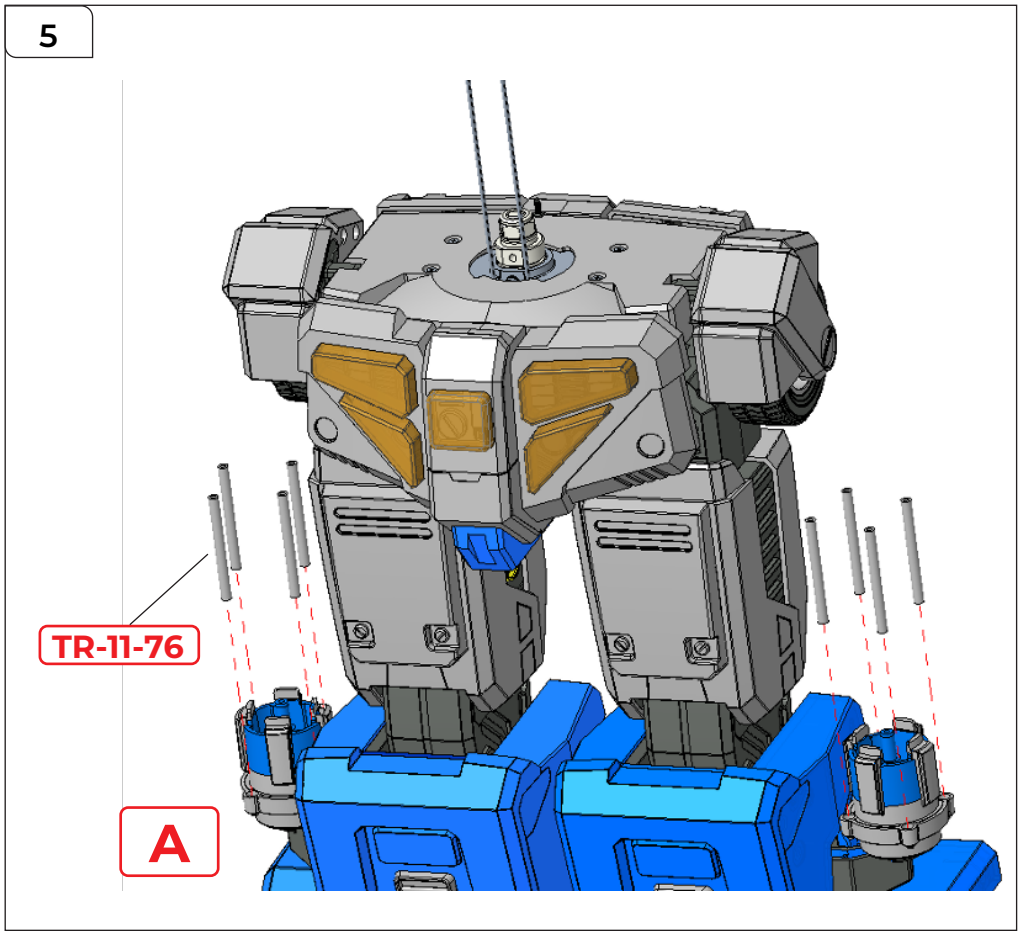




STEP 4

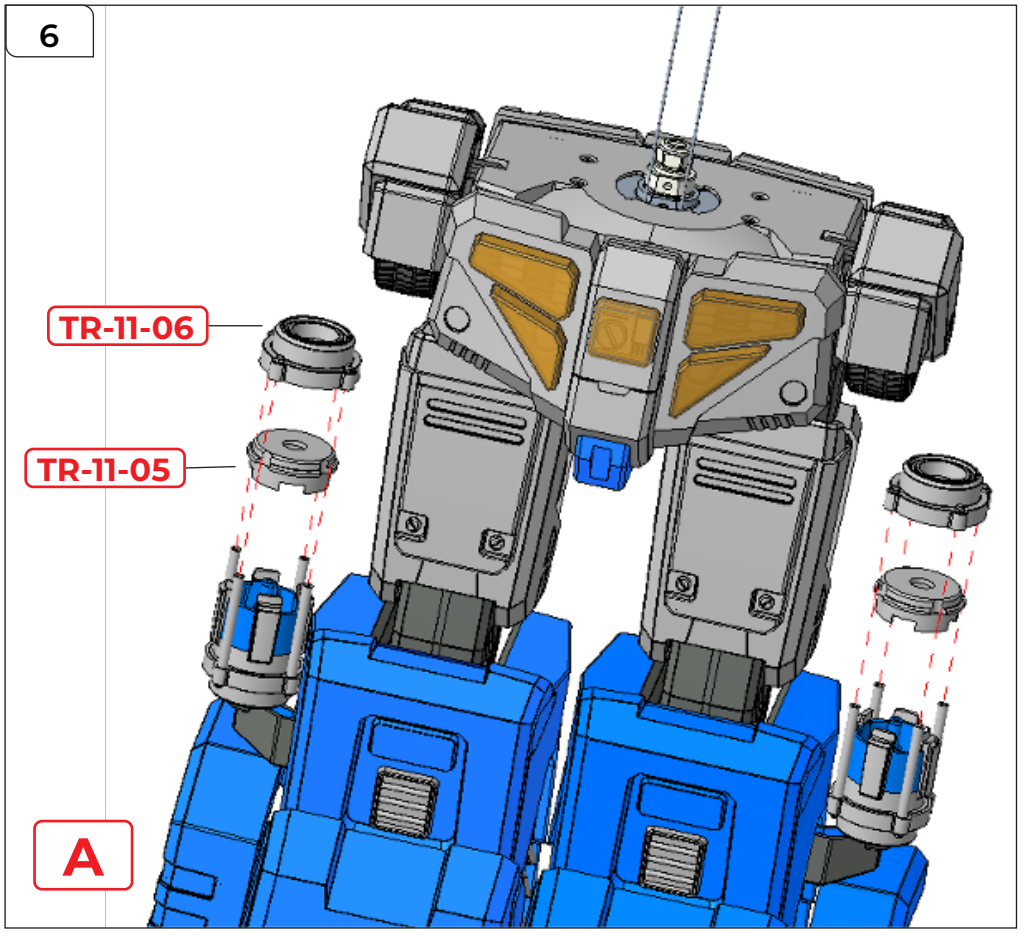
Attach the Part 1 assemblies to both sides of A and secure using 2x PB 2.6x8 mm screws.

Assembling the Fuel Tanks on the Top of the Legs



STEP 5

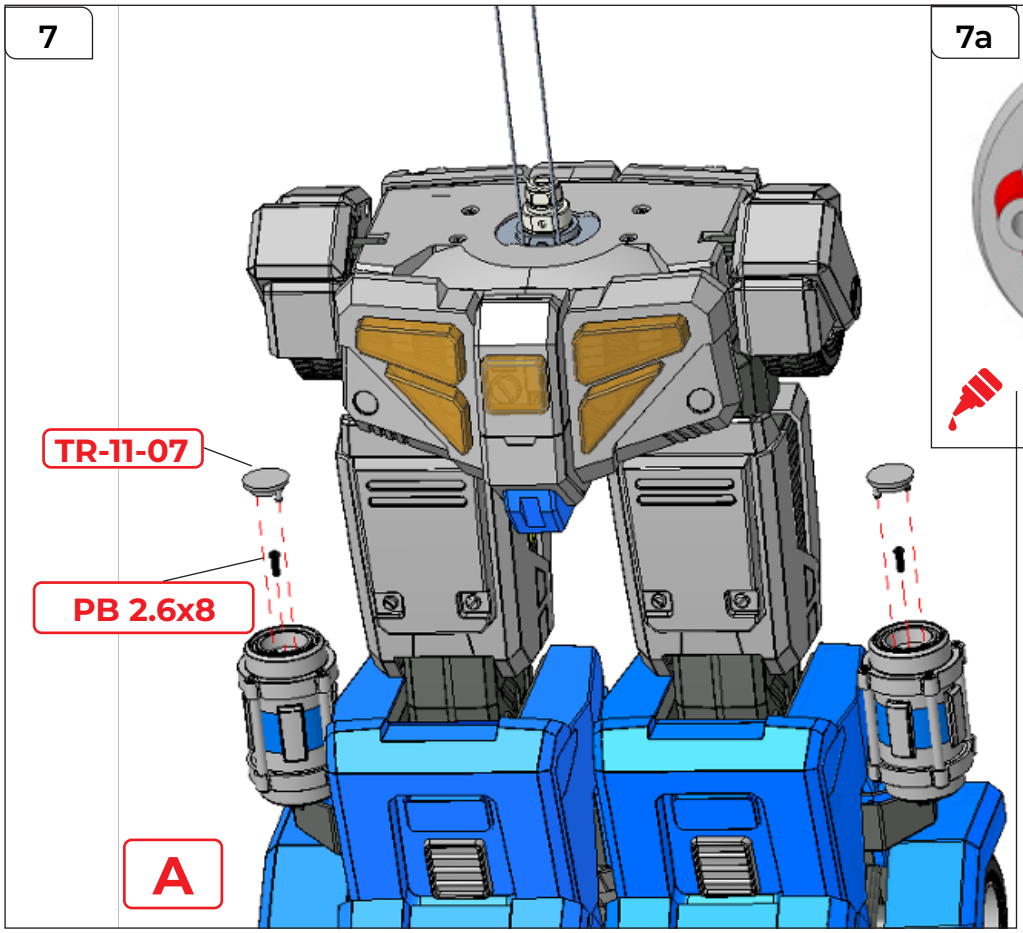
Take 8x TR-11-76 and push them into place – 4x on each side.

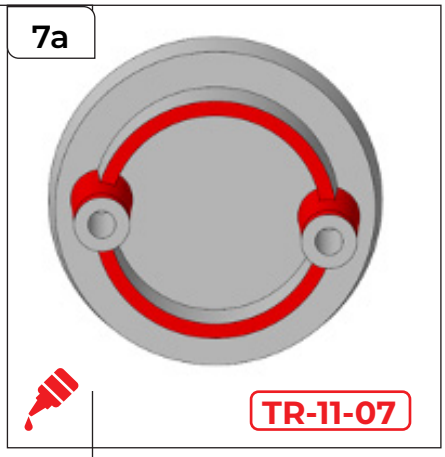


STEP 6

Push TR-11-05 and then TR-11-06 onto the ends of TR-11-76.

Assembling the Fuel Tanks on the Top of the Legs



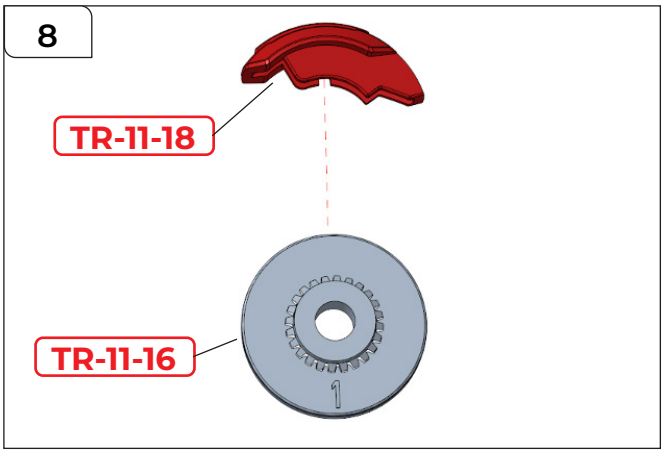


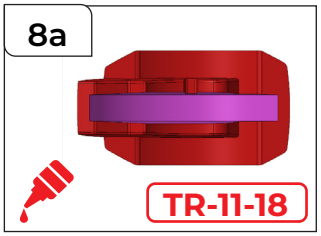
STEP 7

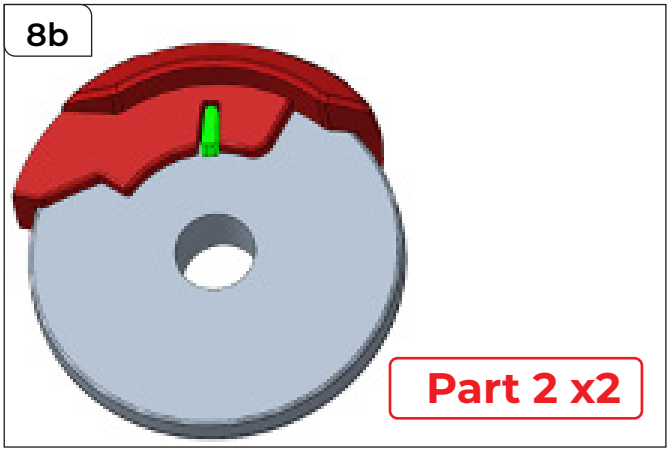
Secure parts in place using 1x PB 2.6x8 mm screw on each side.

Apply a little glue to 2x TR-11-07 (shown in red in 7a) before placing on top.

Assembling the Left-side Wheels



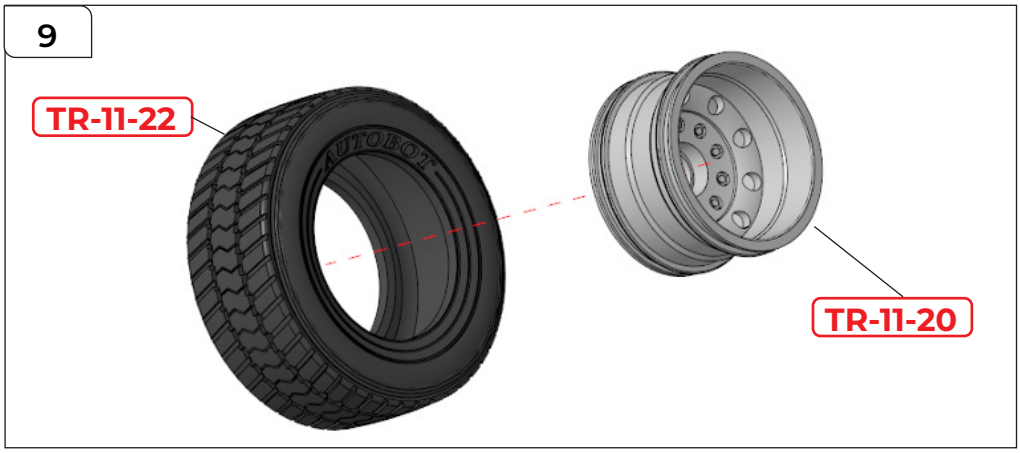




STEP 8

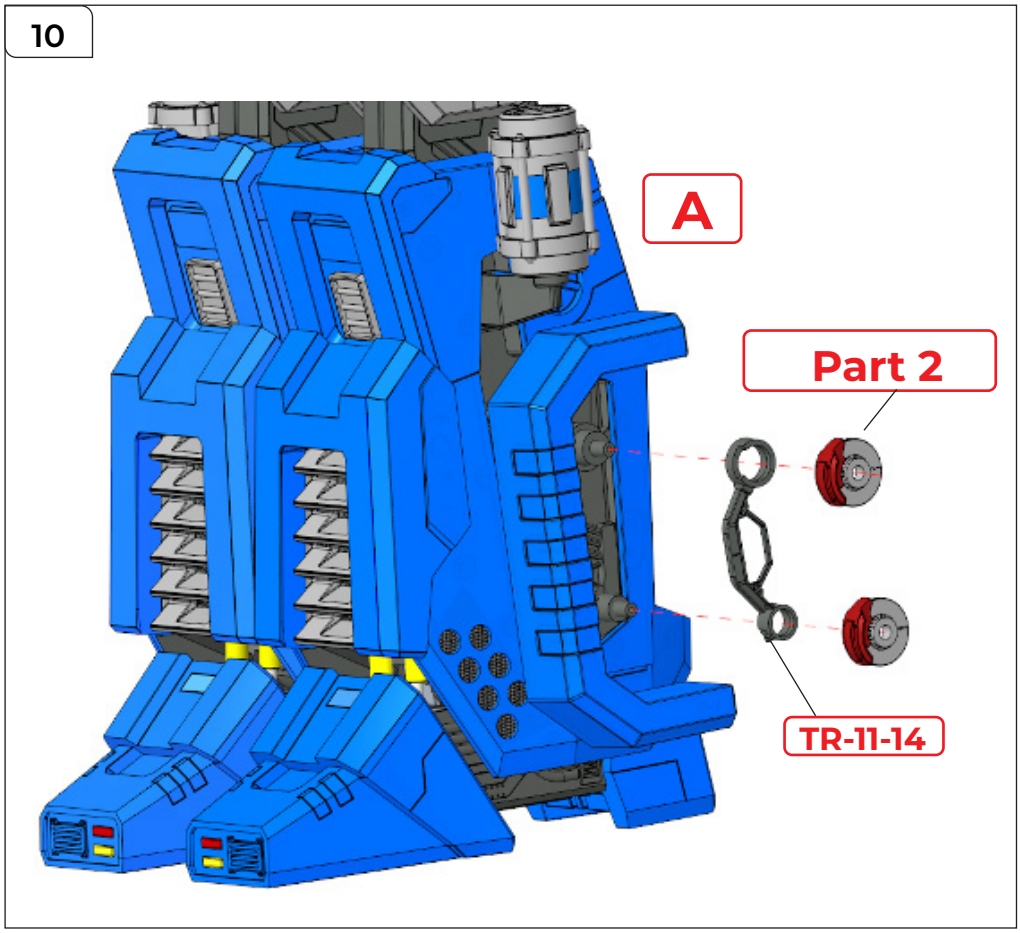
Apply a little glue to TR-11-18 and attach to TR-11-16 using the raised fixing point (coloured green) as a guide. Make two of these.

Assembling the Left-side Wheels



STEP 9

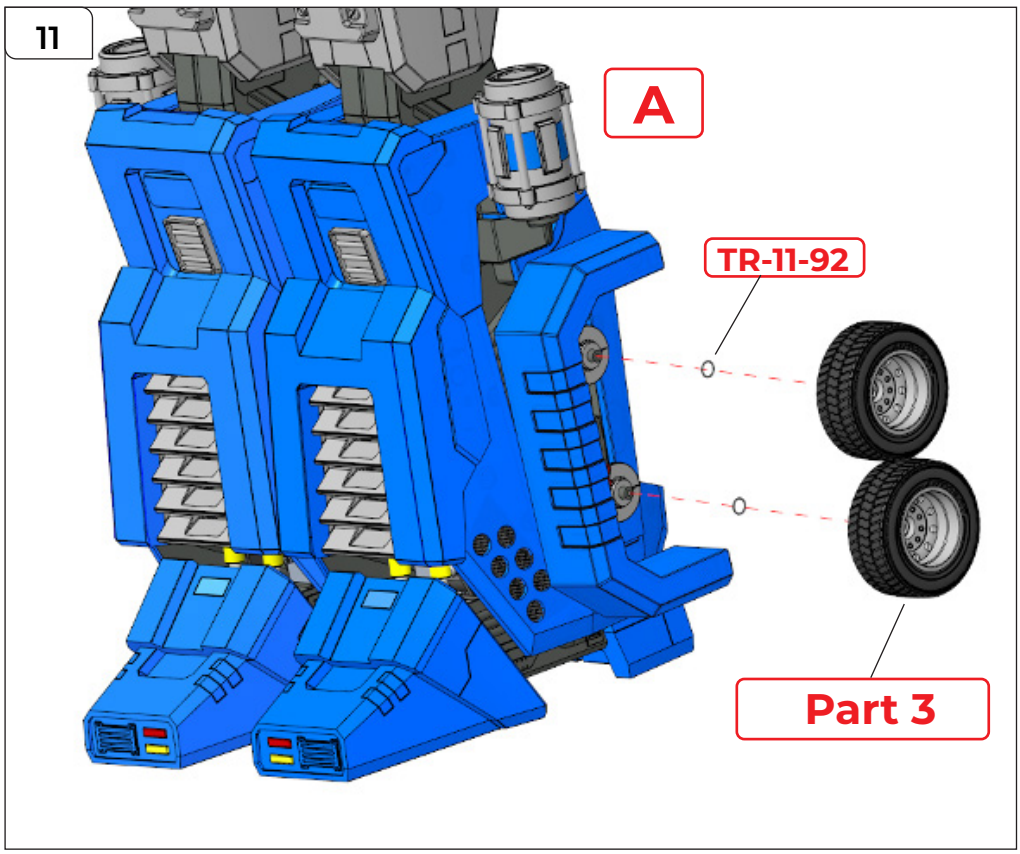
Push the wheel TR-11-20 into the tyre TR-11-22. Make four of these.
Note: Pay attention to the "AUTOBOT" logo which should face outwards.



STEP 10

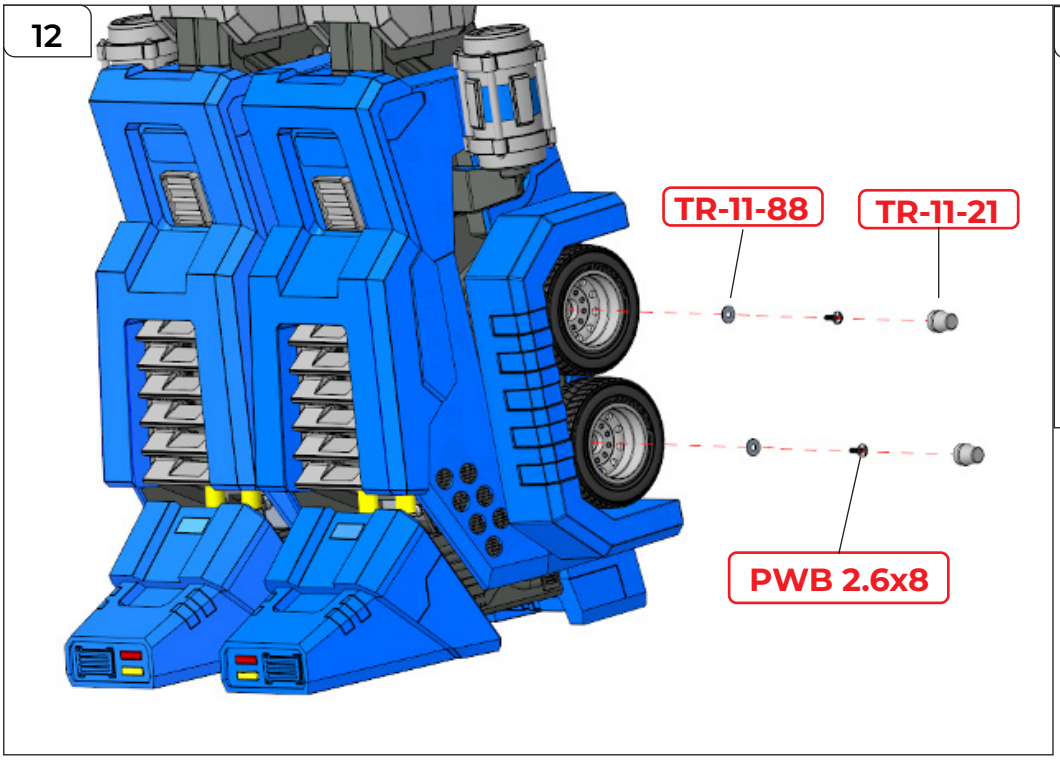
Attach TR-11-14 to A as shown, then attach 2x Part 2 (Step 8) on top.

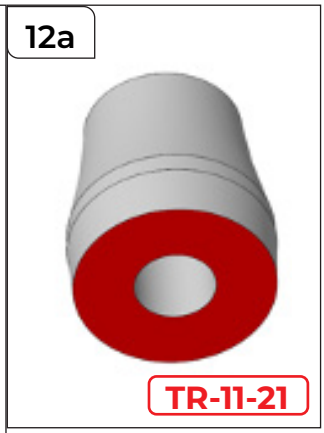
Assembling the Left-side Wheels



STEP 11

Place TR-11-92 as shown, then place 2x Part 3 wheels on top.

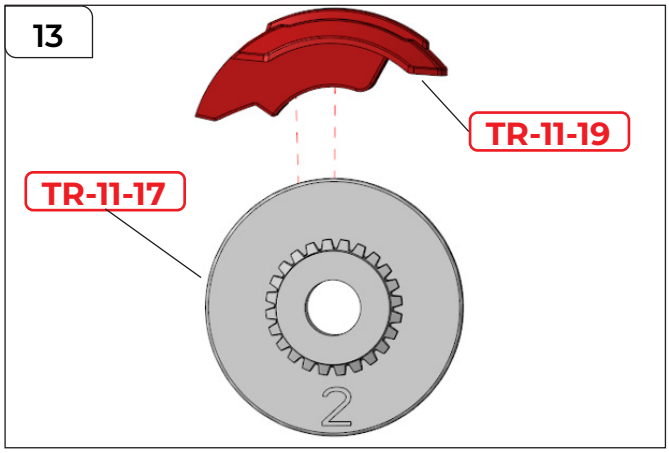


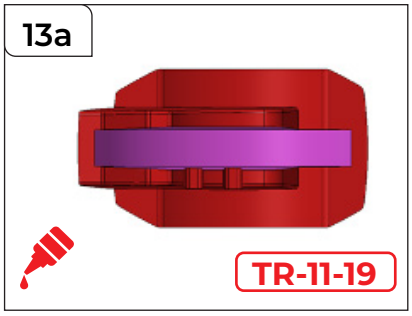


STEP 12

Thread TR-11-88 onto a PWB 2.6x8 mm screw and use to fix a wheel in place. Repeat to fix the other wheel. Apply a little glue to 2x TR-11-21 (as shown in 12a) and place on top of the screws.

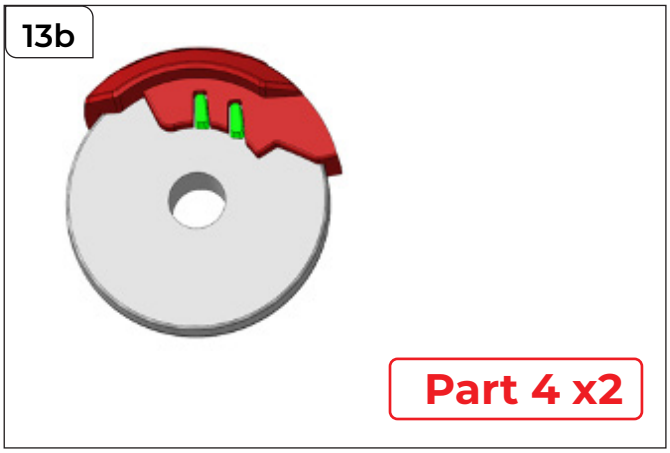
Assembling the Right-side Wheels

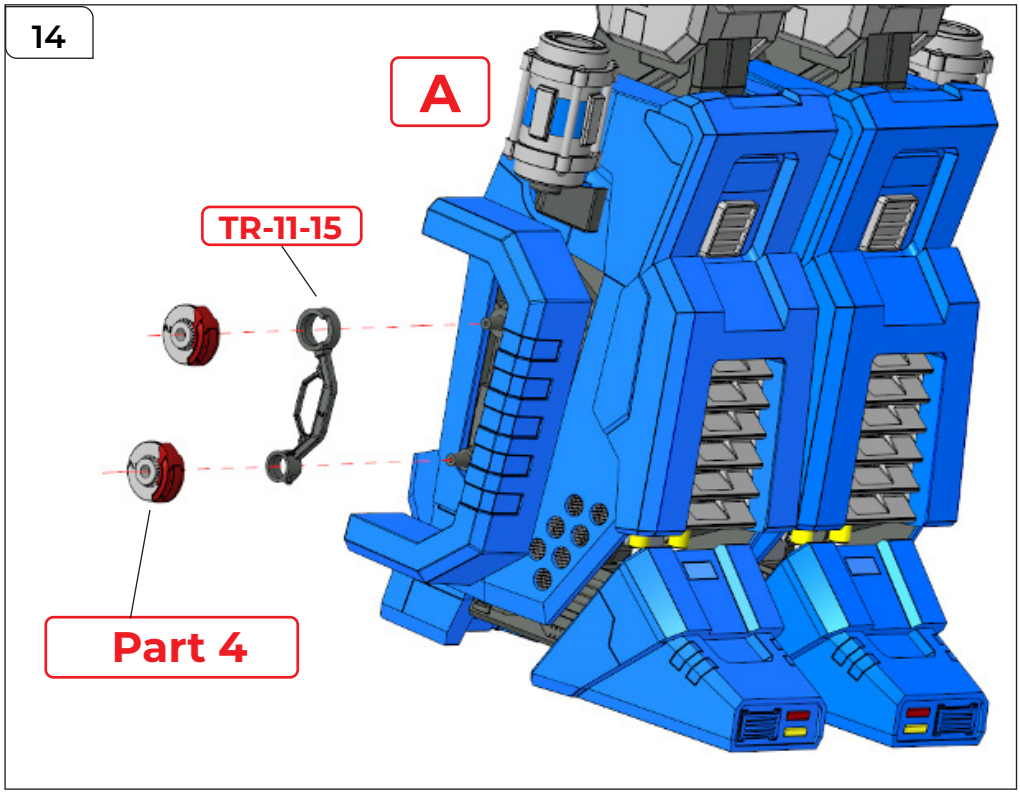




STEP 13

Apply glue to TR-11-19 and attach to TR-11-17, using the raised fixing points (coloured green) as a guide. (13b). Make two of these.

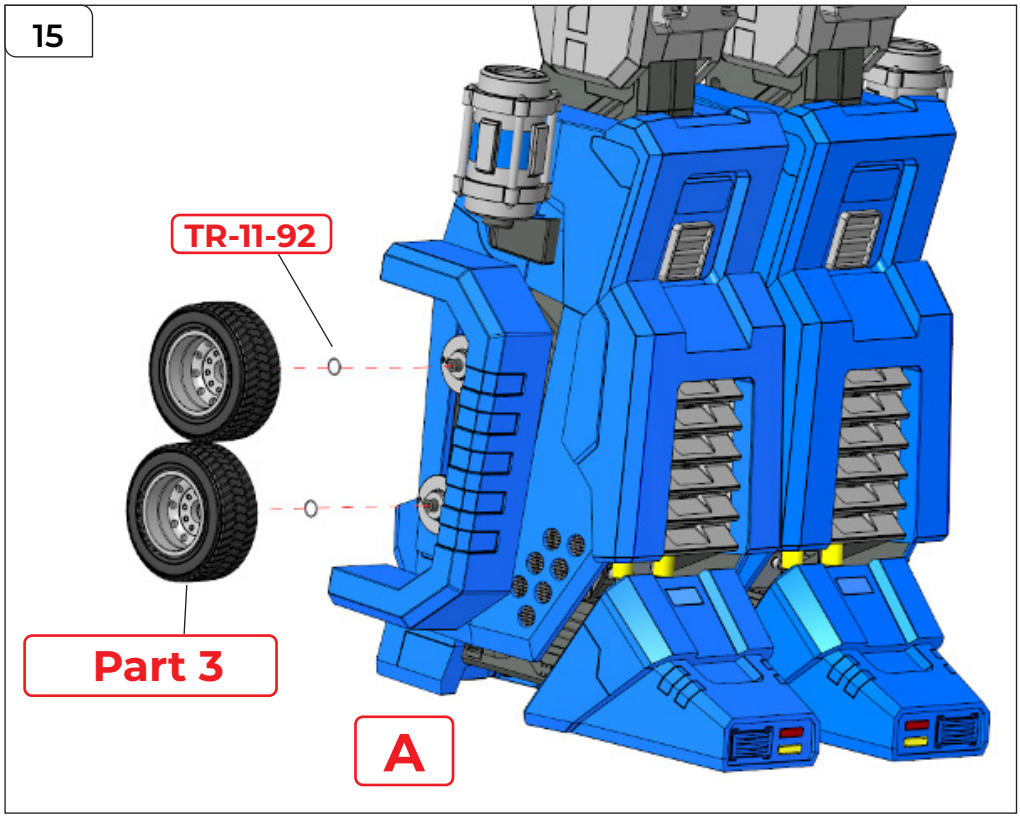




STEP 14

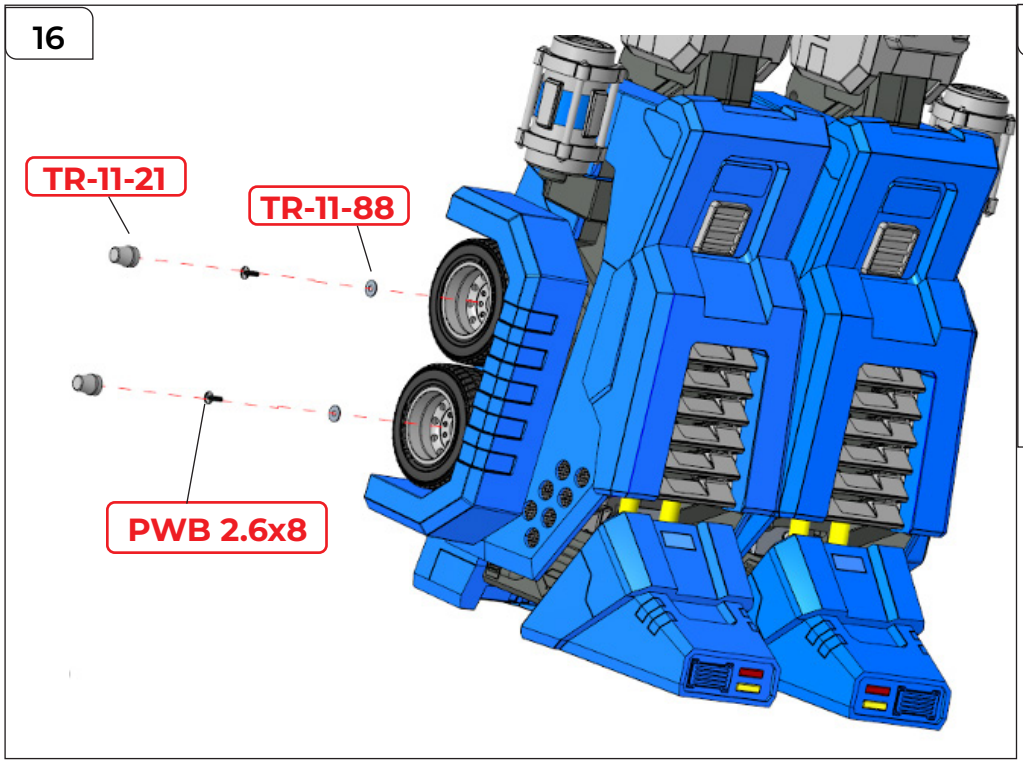
Attach TR-11-15 to A, then place 2x Part 4 on top.

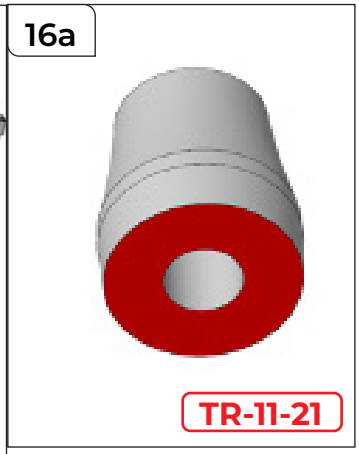
Assembling the Right-side Wheels



STEP 15

Place 2x TR-11-92 on top, then attach two more Part 3 wheels.

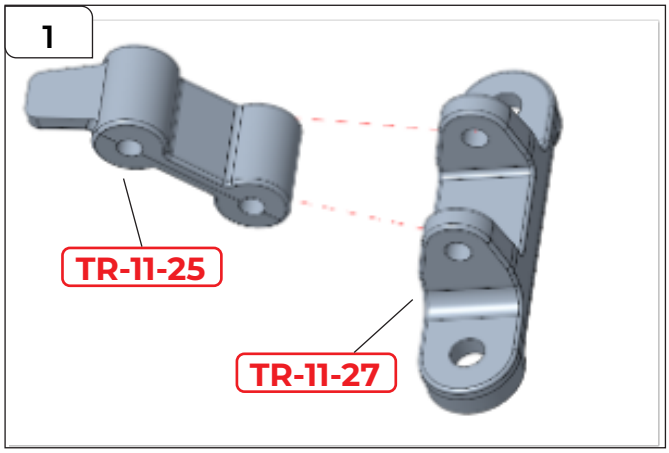




STEP 16

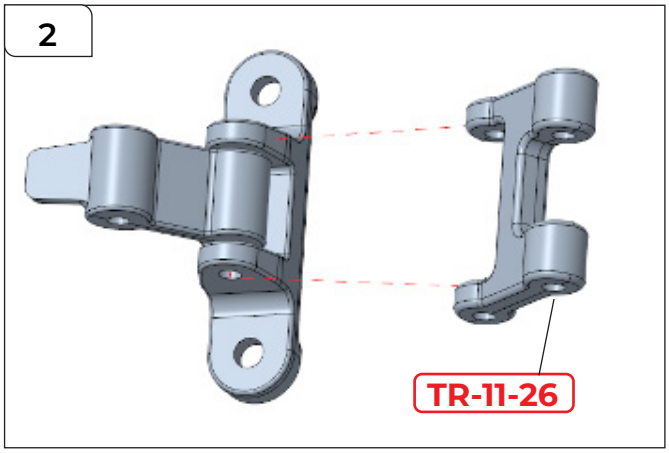
Secure the wheels using 2x TR-11-88 threaded onto 2x PWB 2.6x8 mm screws. Glue 2x TR-11-21 and place them over the screws.

Assembling the Spine



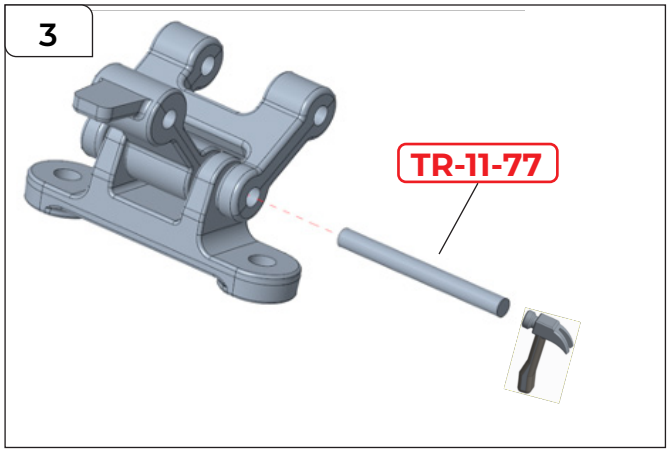
STEP 1

Attach TR-11-25 to TR-11-27...



STEP 2

... then attach TR-11-26...

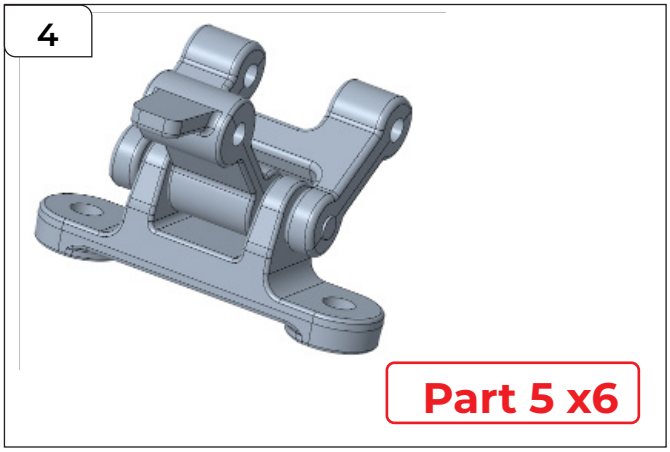


STEP 3

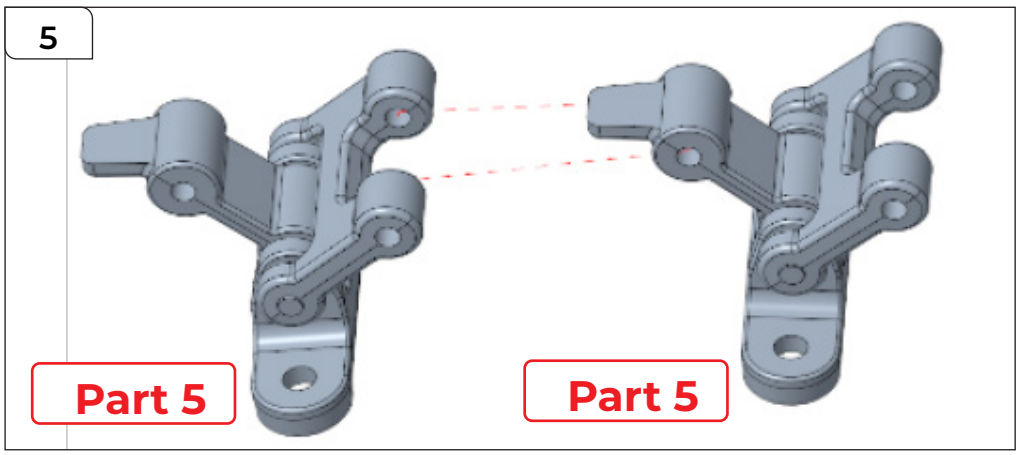
Check all the holes are aligned before pushing TR-11-77 through the middle to secure everything together. You may need to use a small hammer for this.

STEP 4

Repeat to make 6x Part 5.

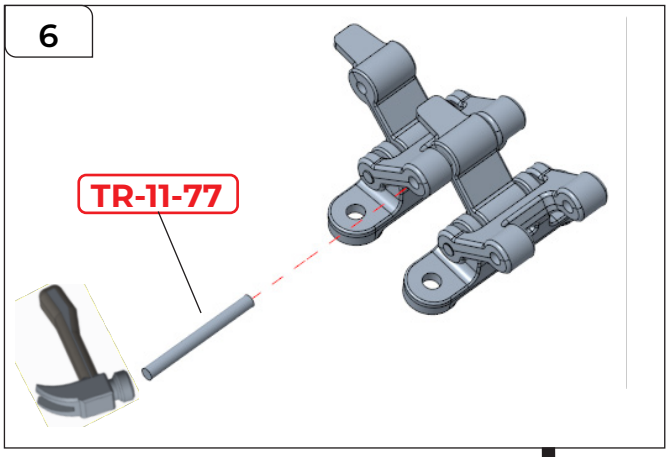


Assembling the Spine



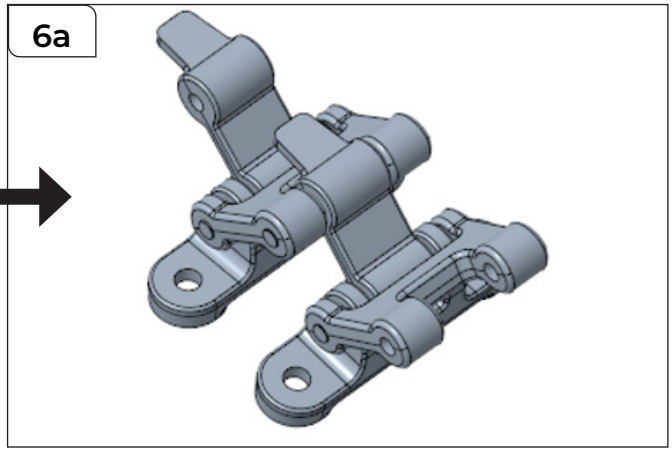
STEP 5

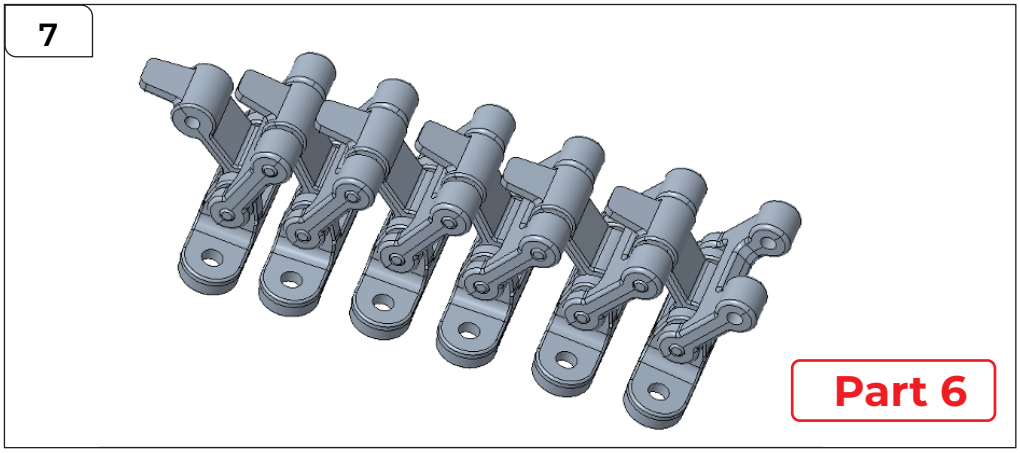
Take 2x the Part 5 pieces and connect them together as shown.



STEP 6

Push TR-11-77 through the joint to secure them together.

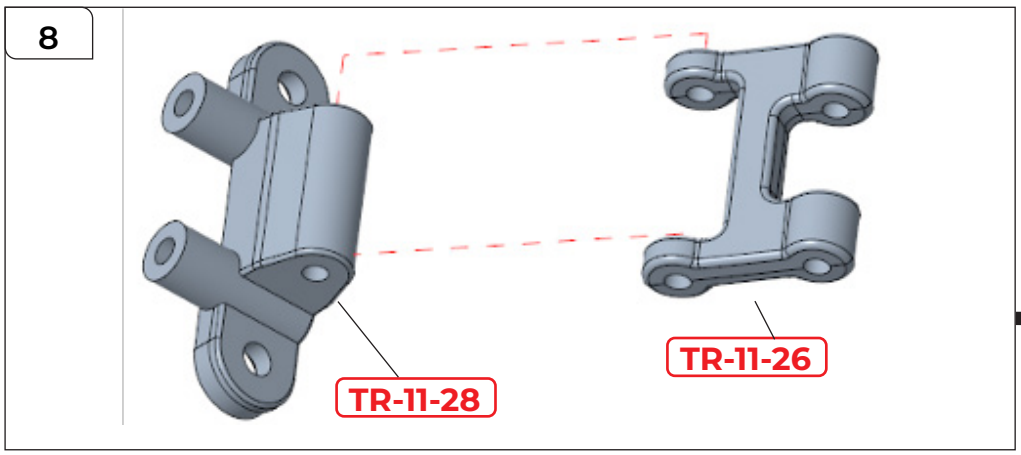




STEP 7

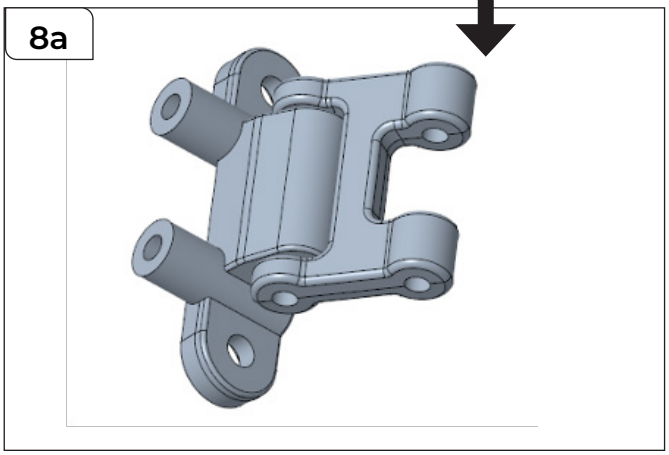
Connect another 4x Part 5 pieces to make a chain of 6x Part 5 which now forms Part 6.

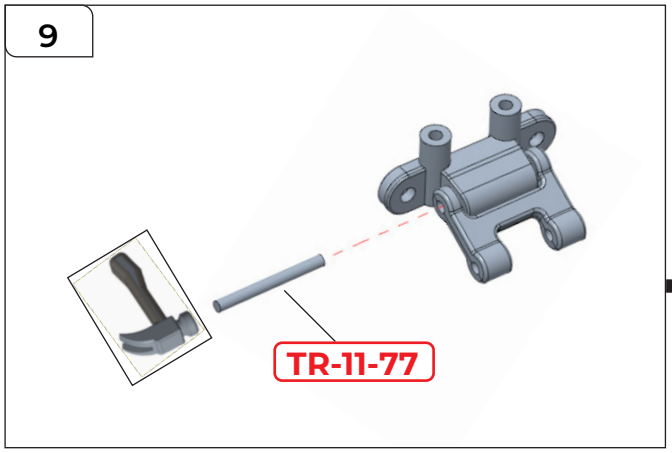
Assembling the Spine



STEP 8

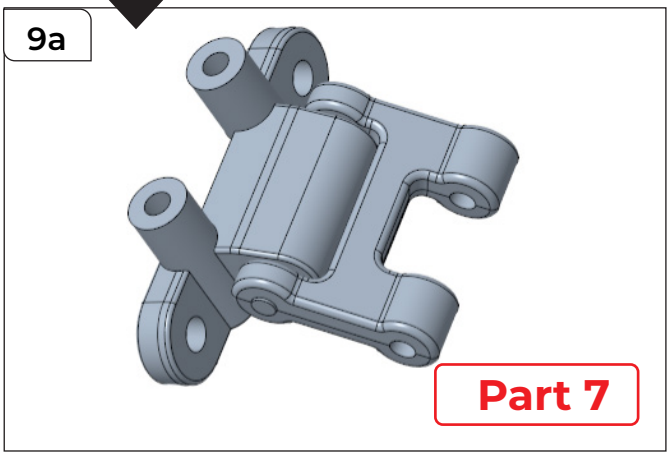
Take TR-11-28 and TR-11-26 and connect them together as shown.



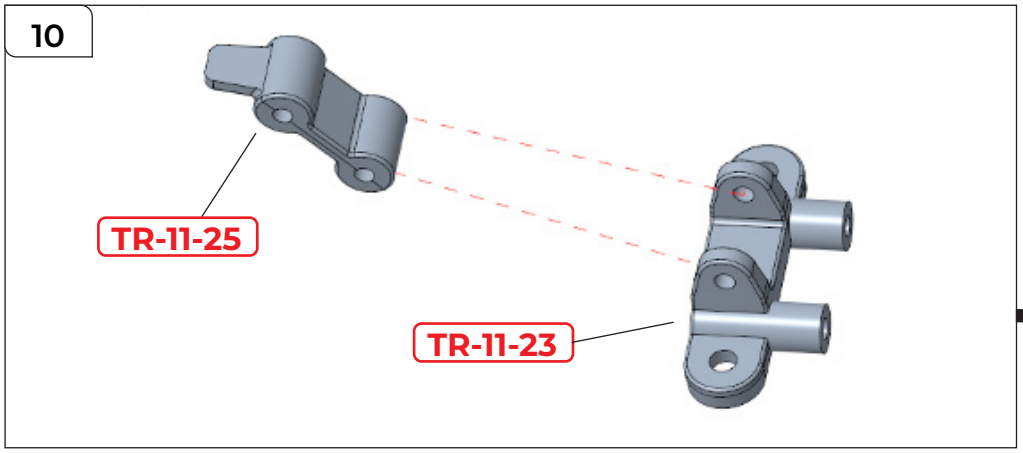


STEP 9

Push TR-11-77 through the joint to secure them together.

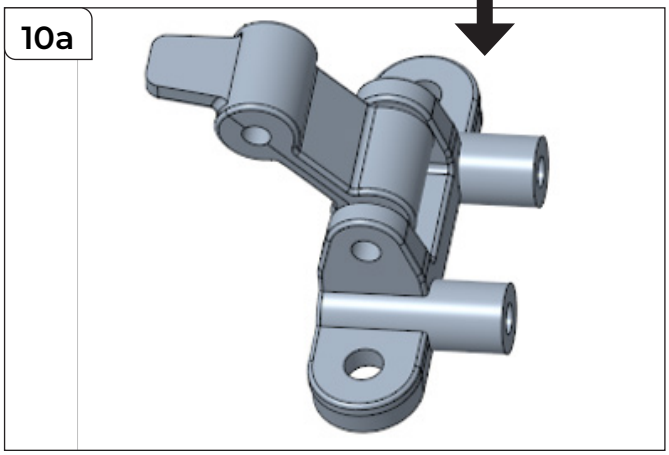


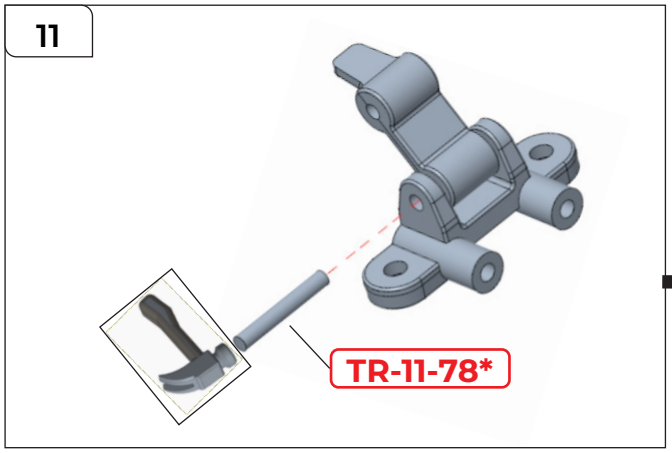
Assembling the Spine



STEP 10

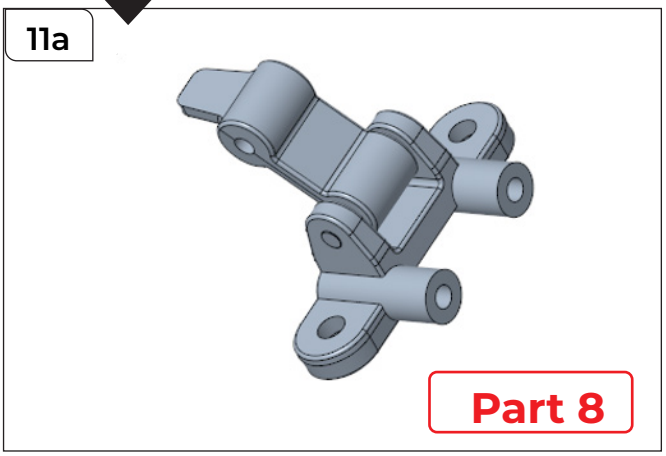
Take TR-11-25 and TR-11-23 and connect them together as shown.



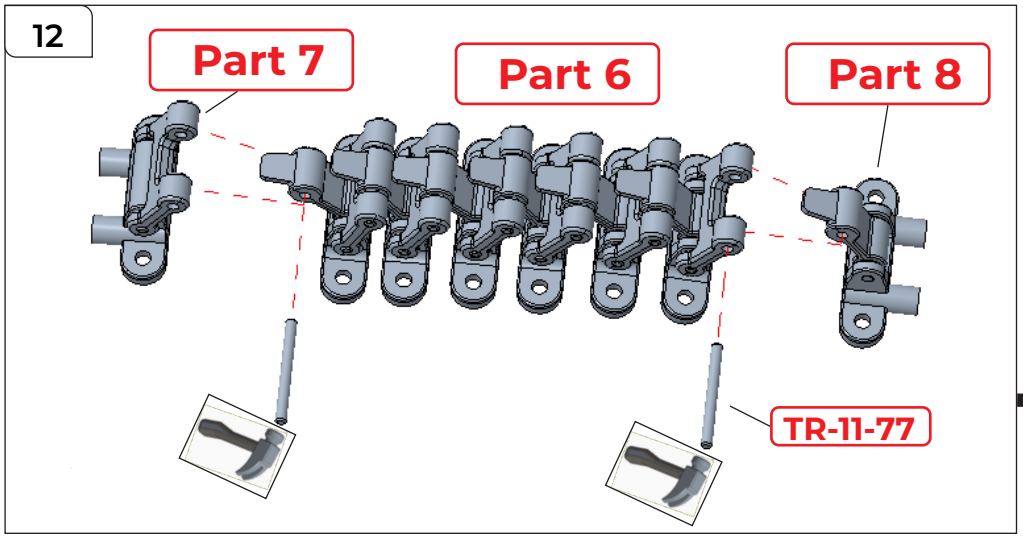


STEP 11

Push TR-11-78 through the joint to secure them together. ***Note - use TR-11-78 (not TR-11-77).**

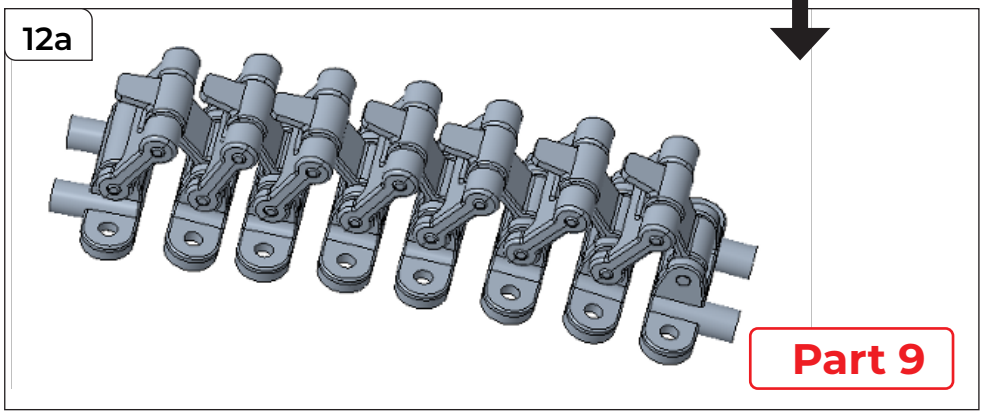


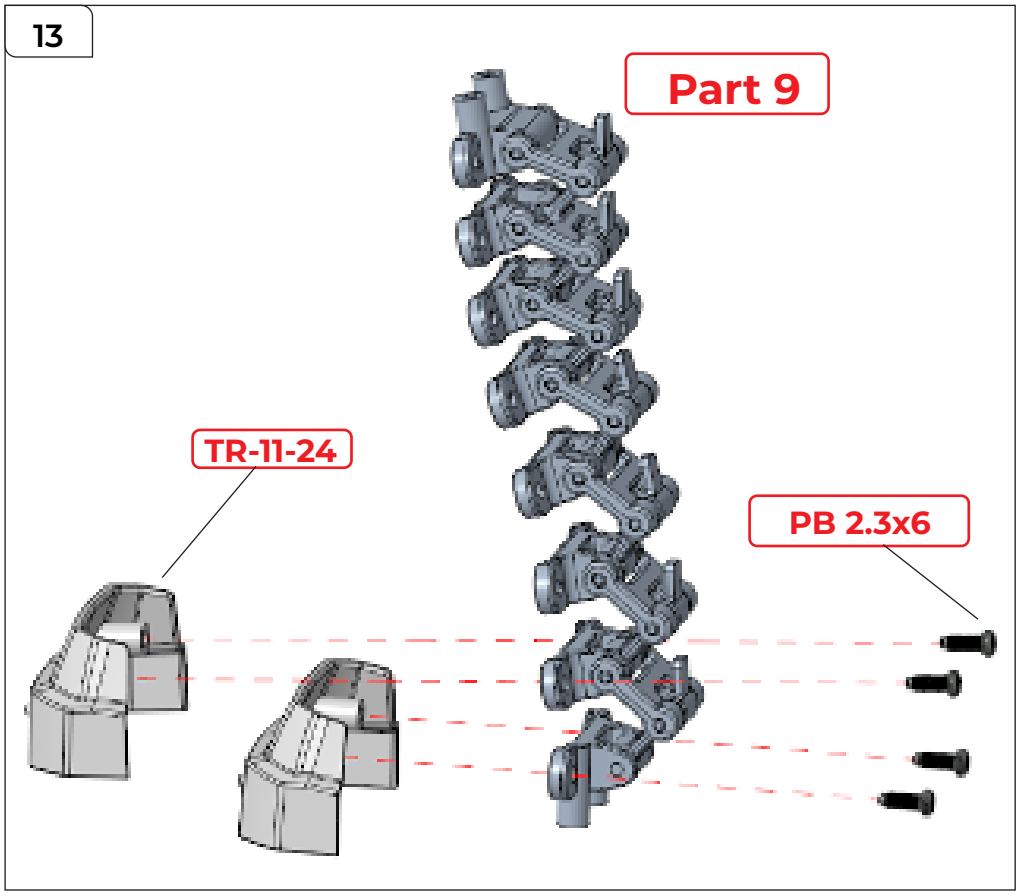
Assembling the Spine



STEP 12

Connect Part 7 and Part 8 to the ends of Part 6 and secure them with TR-11-77.

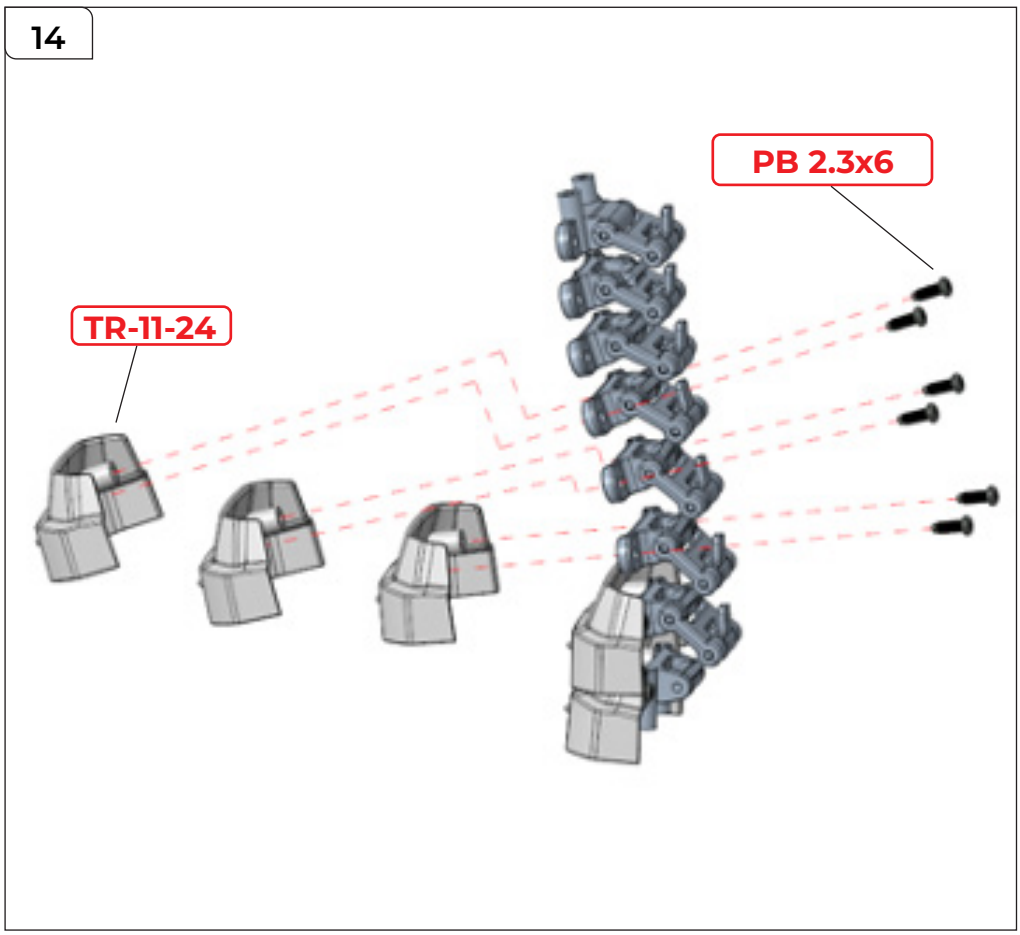




STEP 13

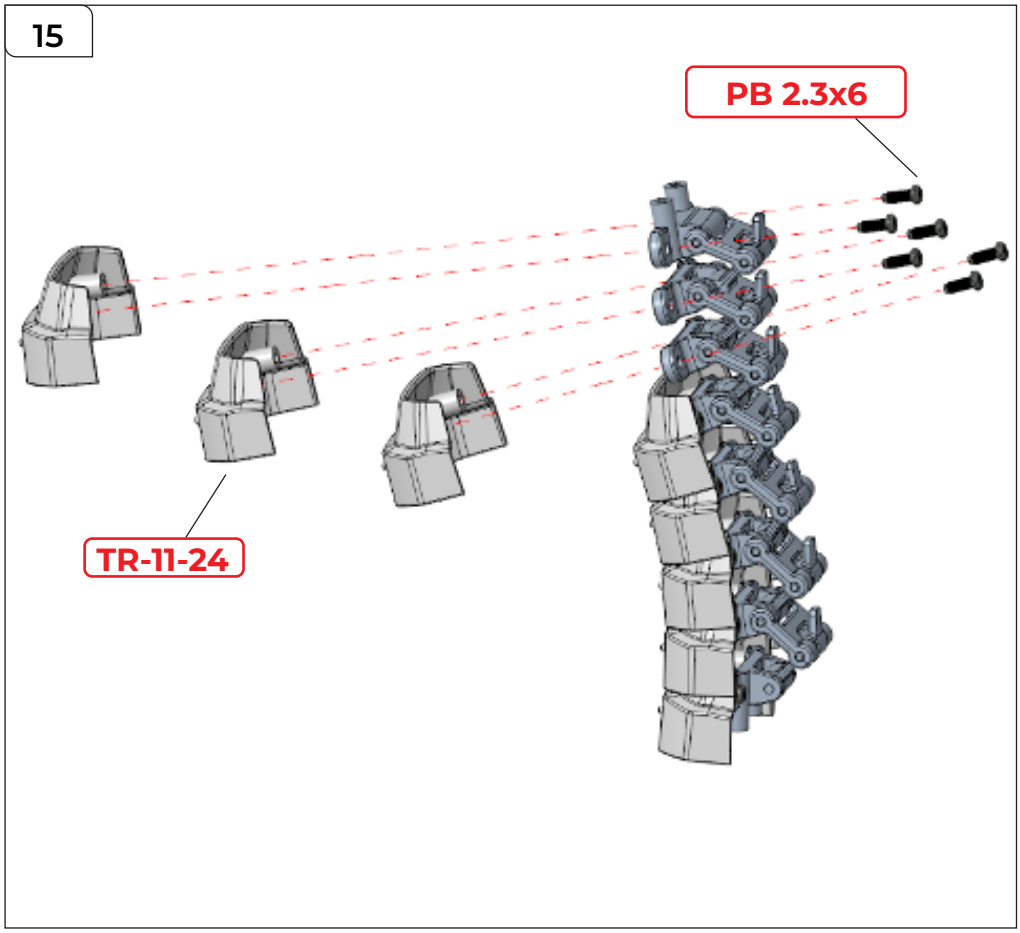
Connect TR-11-24 to Part 9, securing each part using 2x PB 2.3x6 mm screws.

Assembling the Spine



STEP 14

Connect another 3x parts TR-11-24 in the same way.

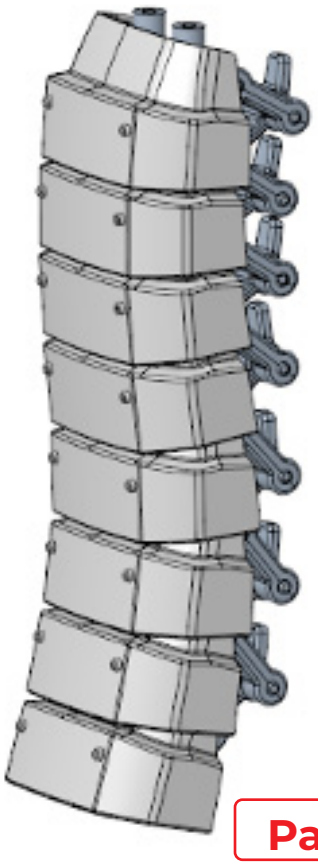


STEP 15

Then connect the remaining 3x TR-11-24 parts.

Assembling the Spine

15a

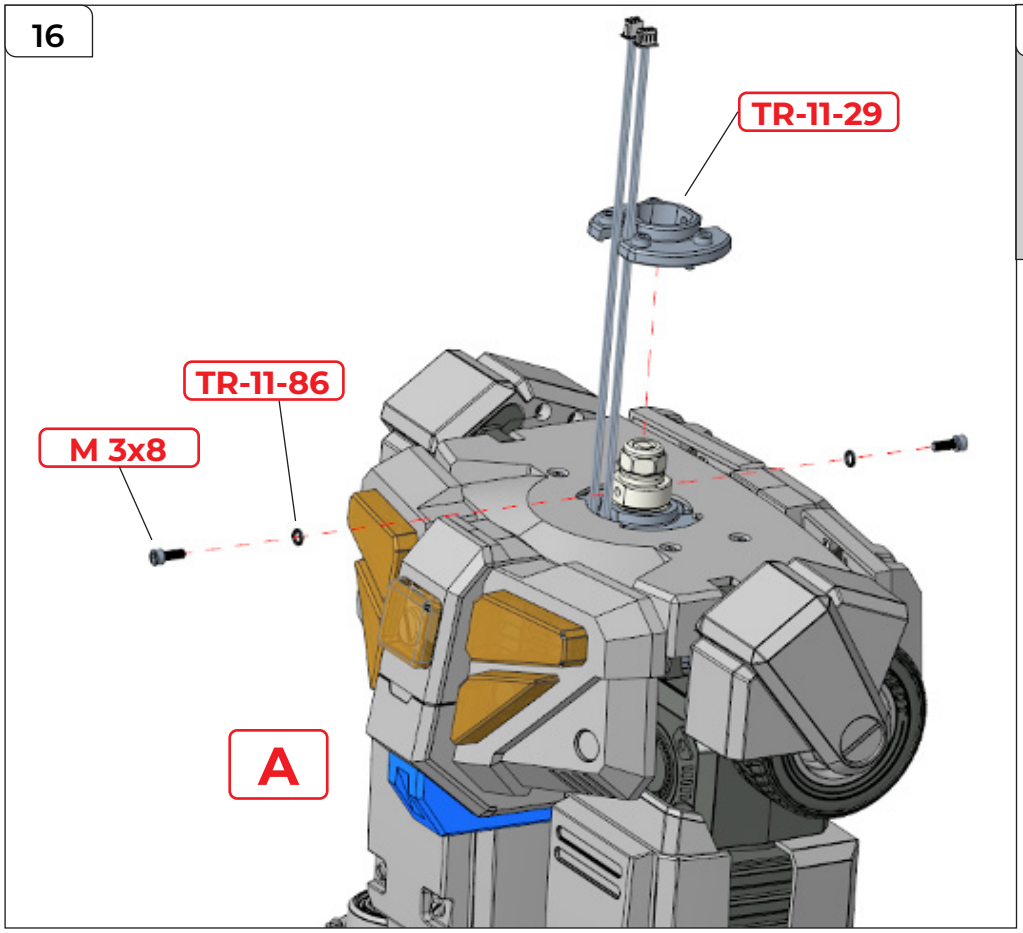


Part 10

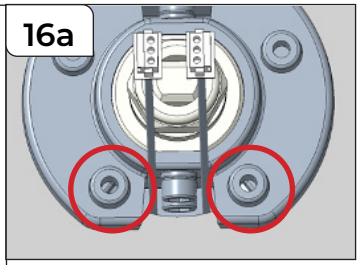
STEP 15 cont...

The spine is now complete with 8x connected sections.

16



16a

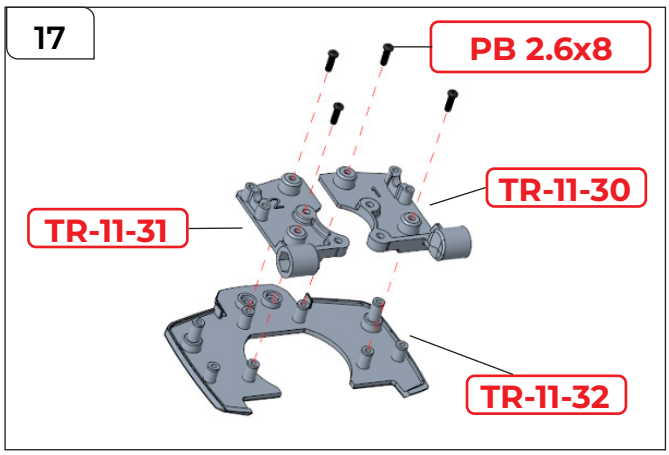


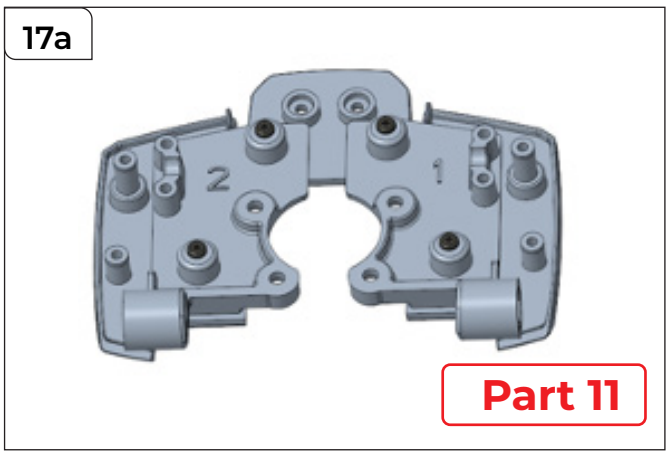
STEP 16

Position TR-11-29 onto A paying close attention to the orientation shown in 16a. The two holes that are closer together face front (circled), either side of the cables.

Thread TR-11-86 onto an M 3x8 mm screw and use to secure the parts in place.

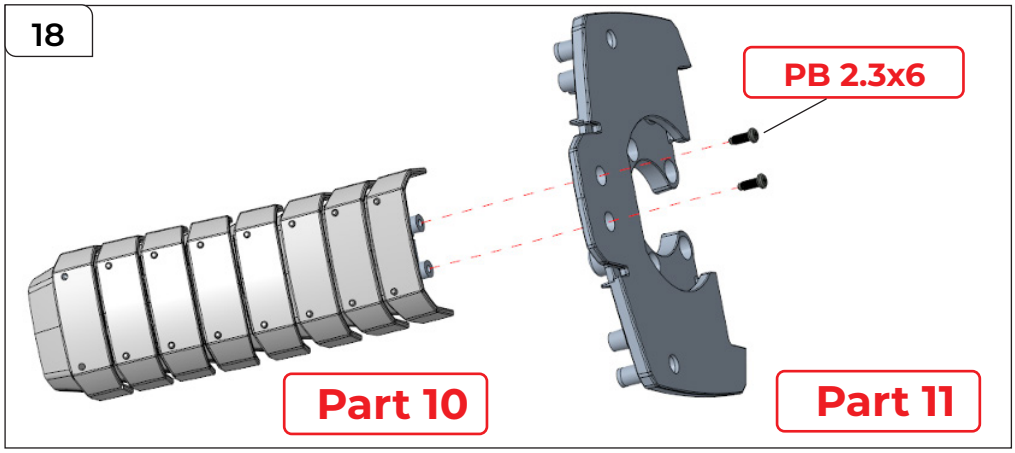
Assembling the Spine





STEP 17

Attach TR-11-30 and TR-11-31 to TR-11-32 and secure them using 4x PB 2.6x8 mm screws.

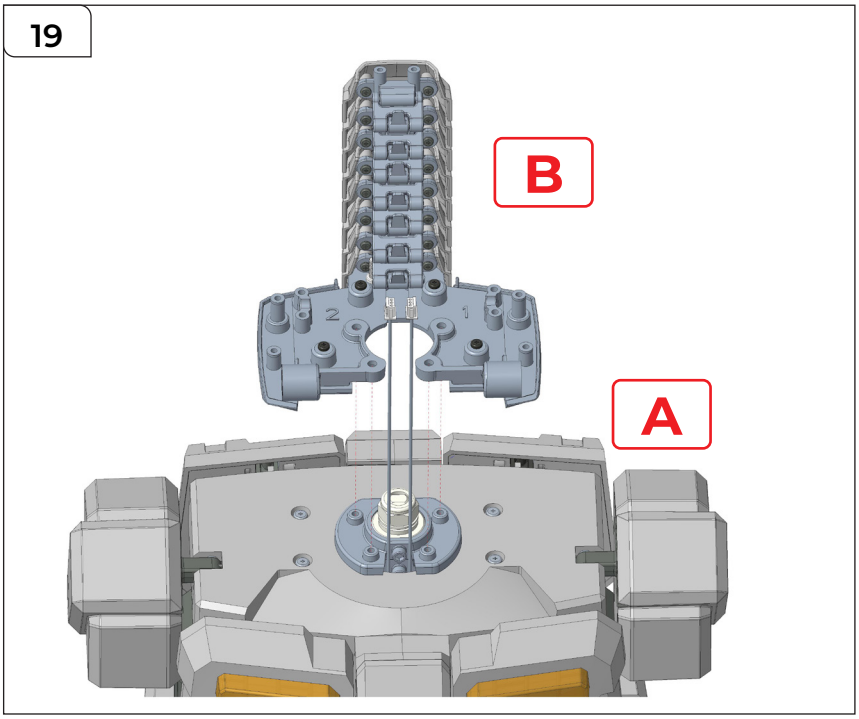


STEP 18

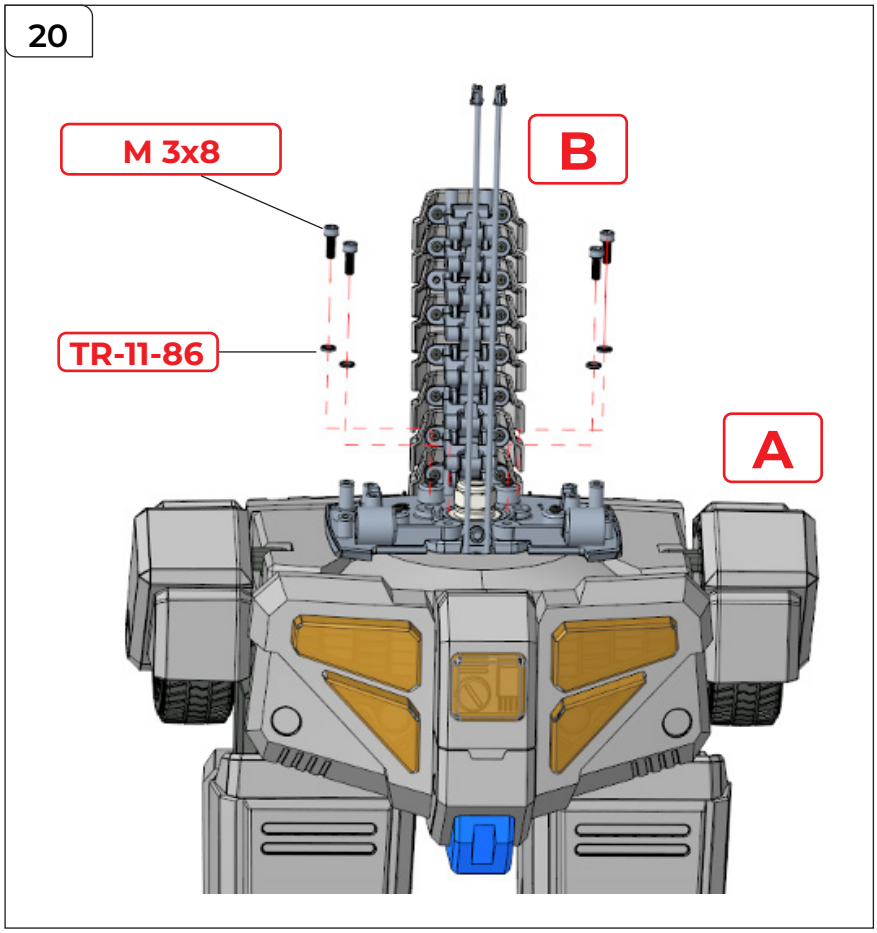
Attach Part 10 to Part 11, securing them with 2x PB 2.3x6 mm screws.

STEP 19

Position B onto A.

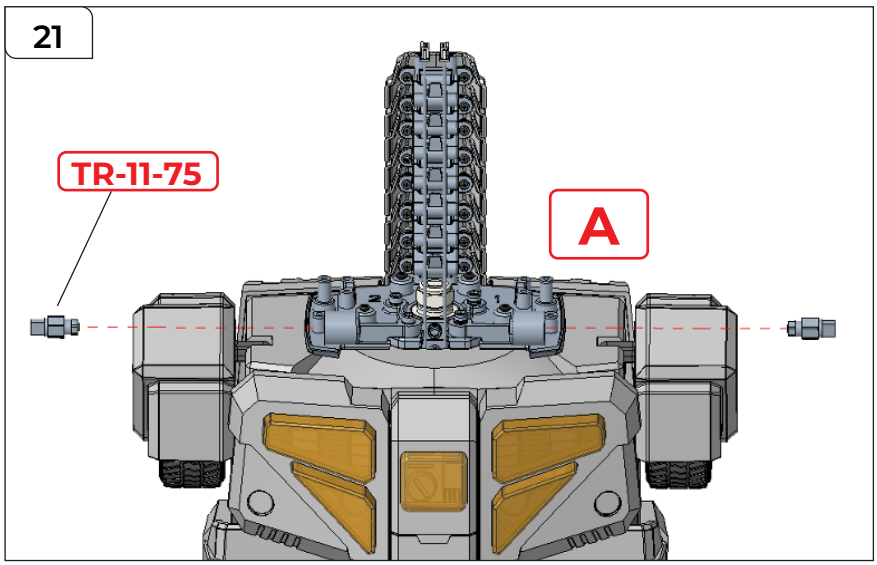


Assembling the Spine



STEP 20

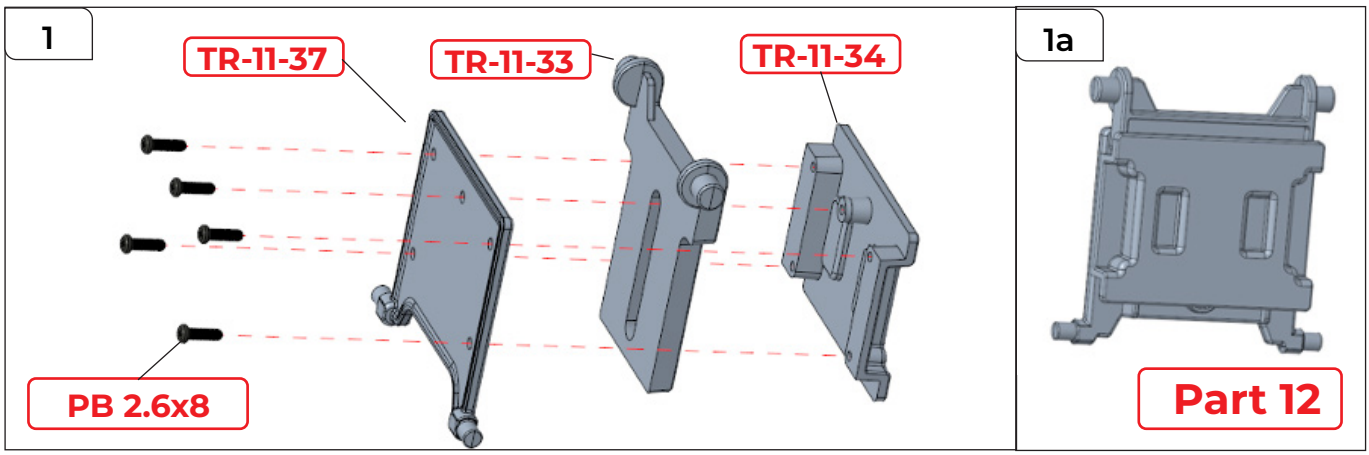
Thread 4x TR-11-86 onto 4x M 3x8 mm screws and use them to fix B in place.



STEP 21

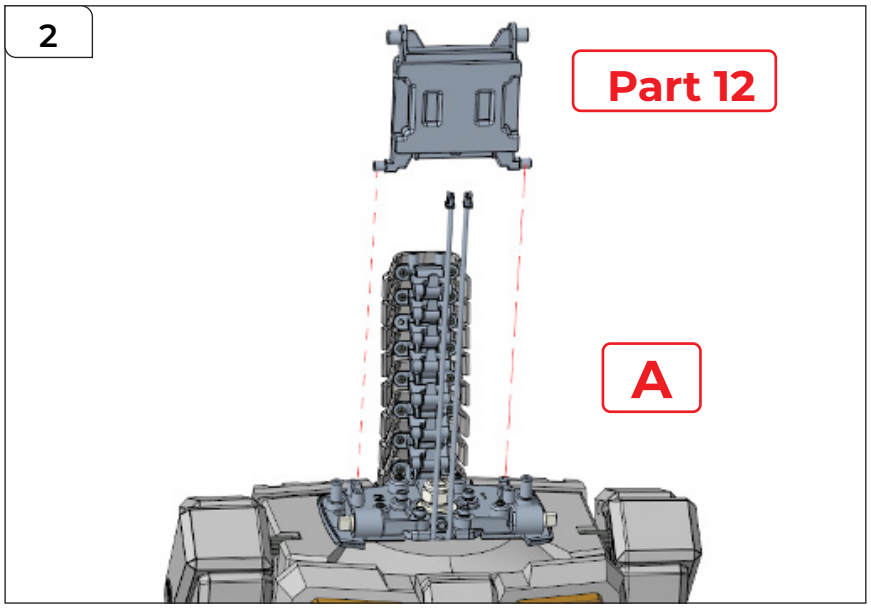
Take 2x TR-11-75 and place them as shown.

Assembling the Body



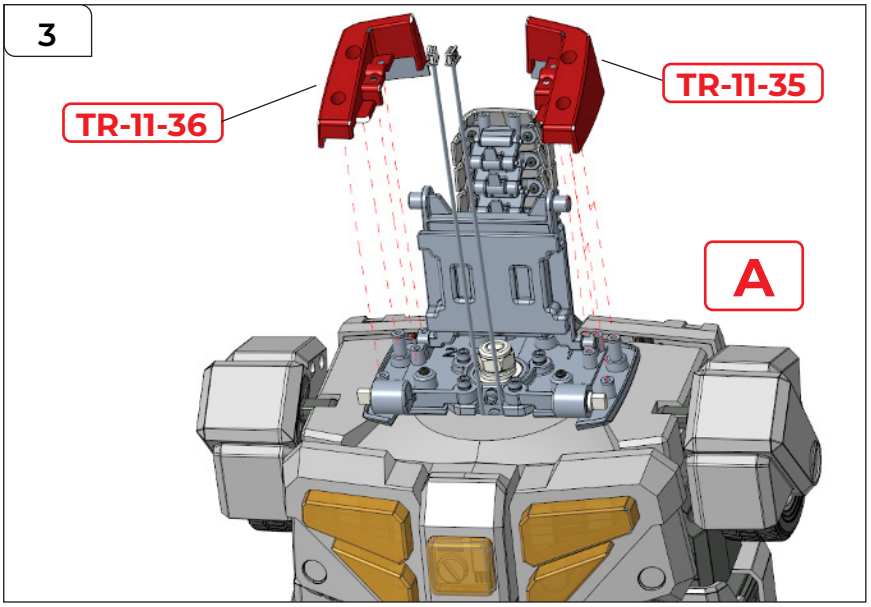
STEP 1

Take TR-11-33 and attach TR-11-34, then TR-11-37, and fix them together with 5x PB 2.6x8mm screws.



STEP 2

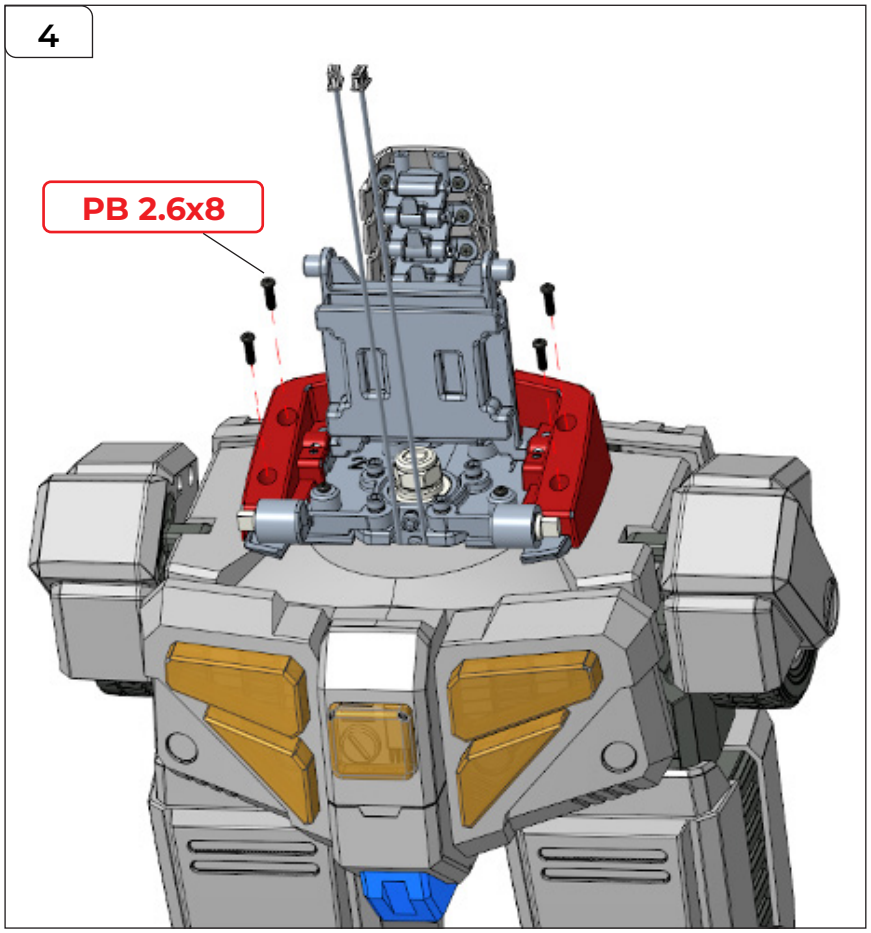
Place Part 12 onto the brackets on A as shown.



STEP 3

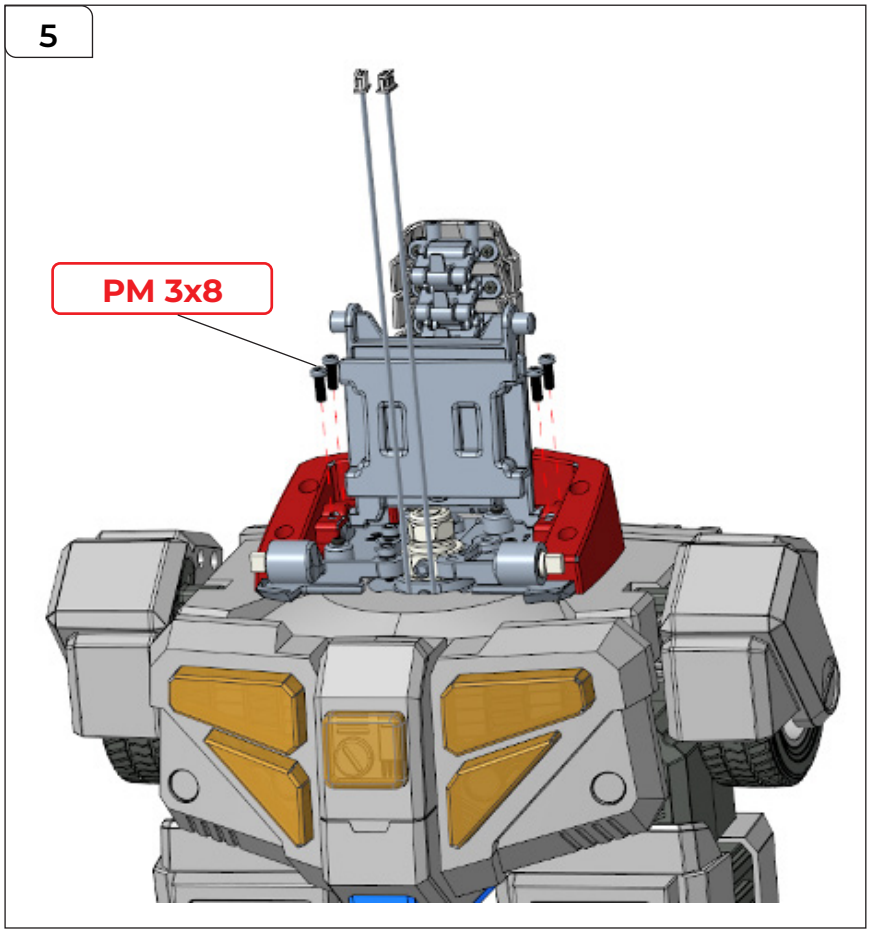
Fit TR-11-35 and TR-11-36 to the four screw posts on each side.

Assembling the Body



STEP 4

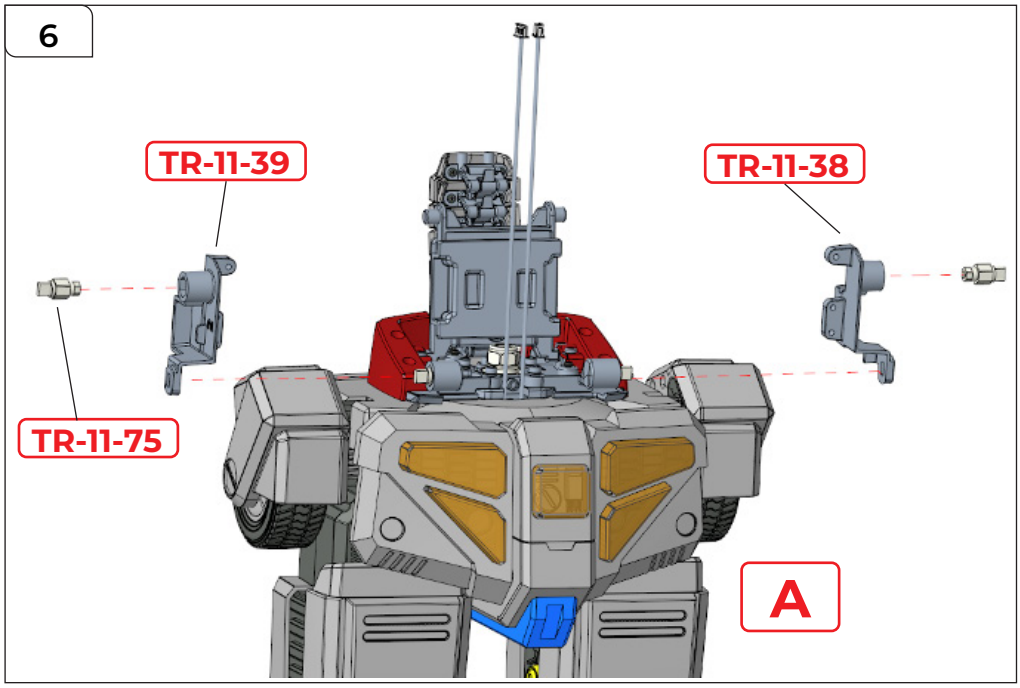
Secure them in place with 4x PB 2.6x8 mm screws.



STEP 5

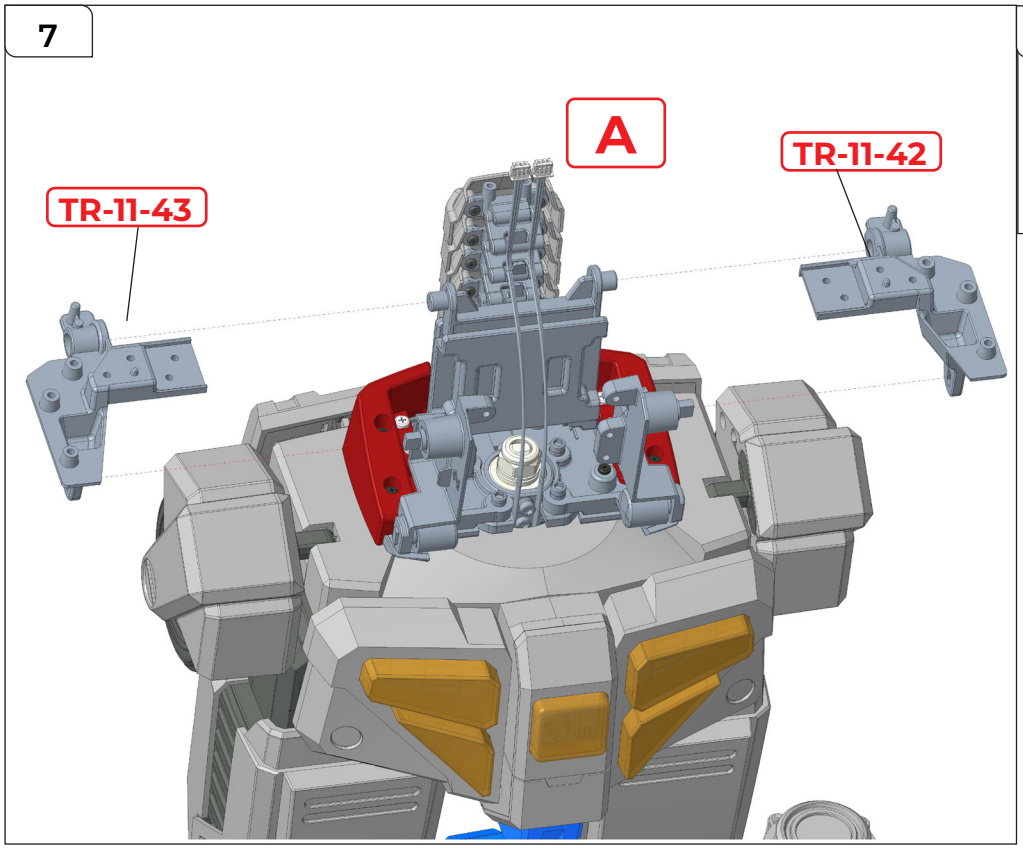
Continue to secure the parts together using 4x PM 3x8 mm screws.

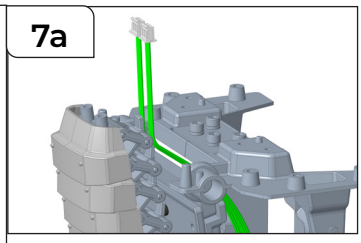
Assembling the Body



STEP 6

Attach TR-11-38 and TR-11-39, then 2x TR-11-75 to A.

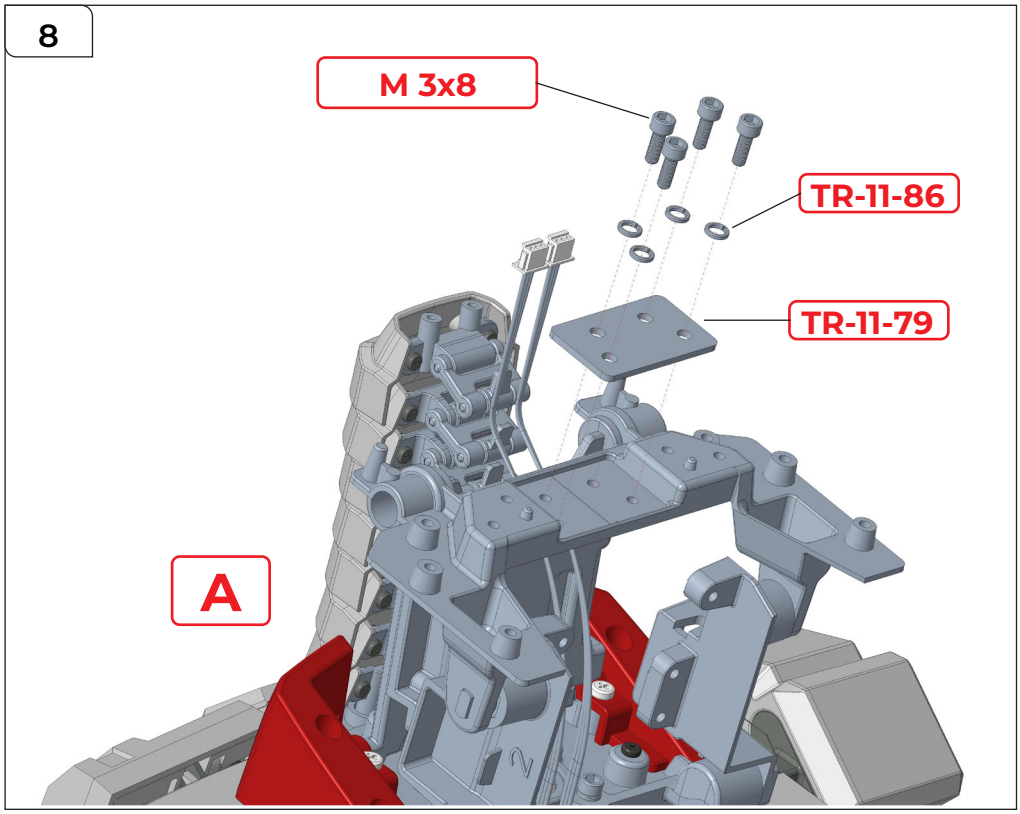




STEP 7

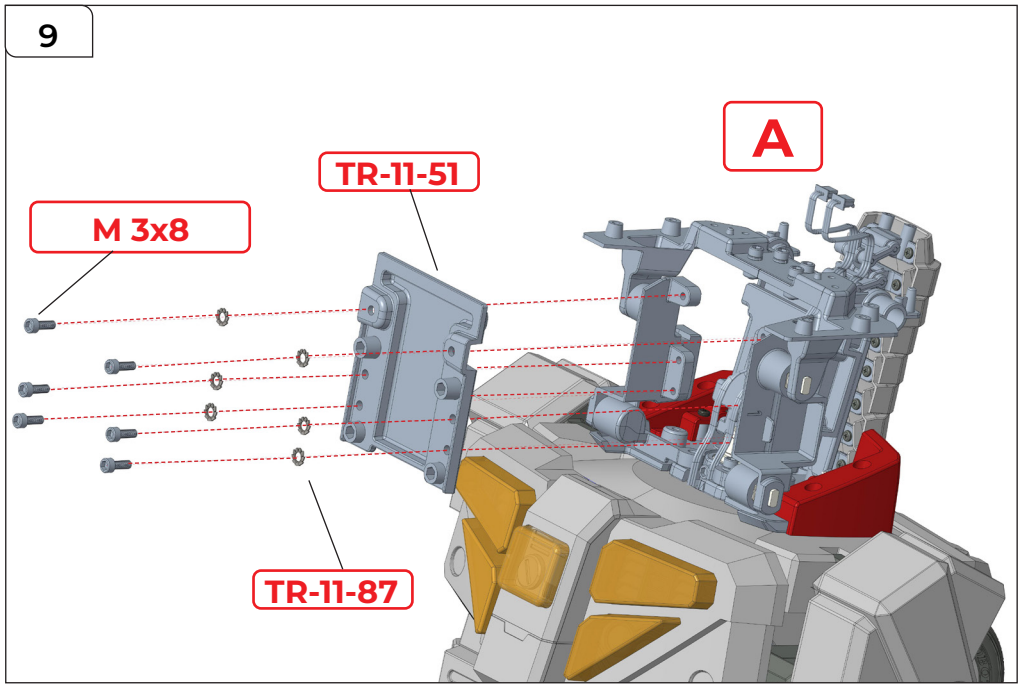
Gently bend the cables and position them in the orientation shown, fitting underneath parts TR-11-42 and TR-11-43 (also see 7a and step 8 for guidance). Attach TR-11-42 and TR-11-43 as shown.

Assembling the Body



STEP 8

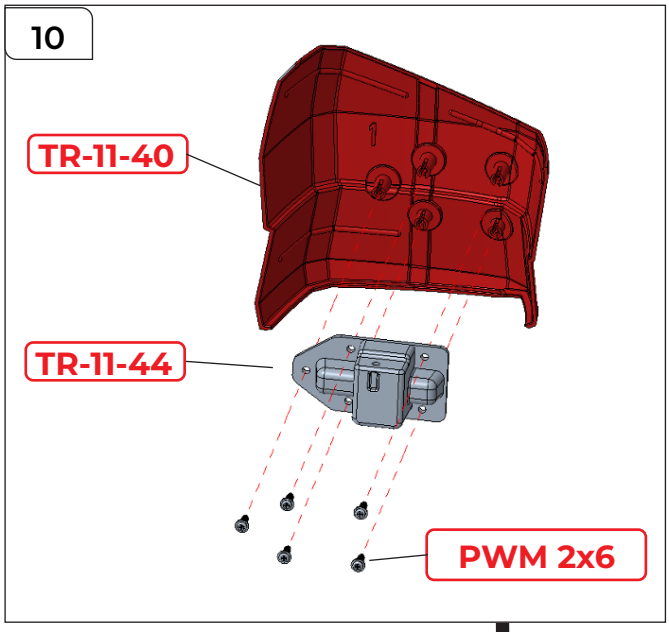
Fit TR-11-79 into the rectangular recess, then secure in place using 4x TR-11-86 threaded onto 4x M 3x8 mm screws.



STEP 9

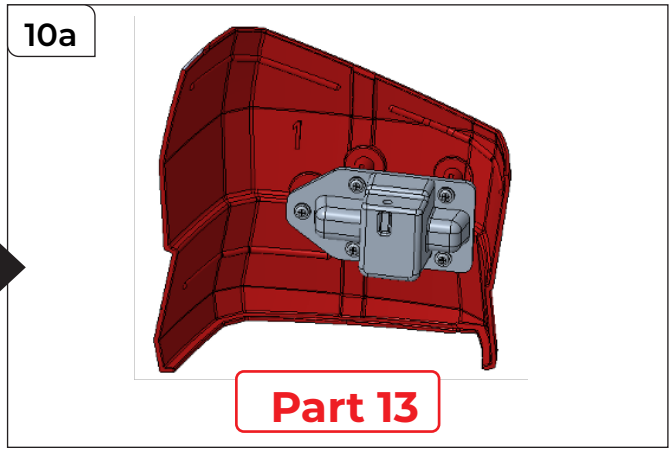
Fit TR-11-51 to A in the orientation shown. Fix in place using 6x TR-11-87 and 6x M 3x8mm screws.

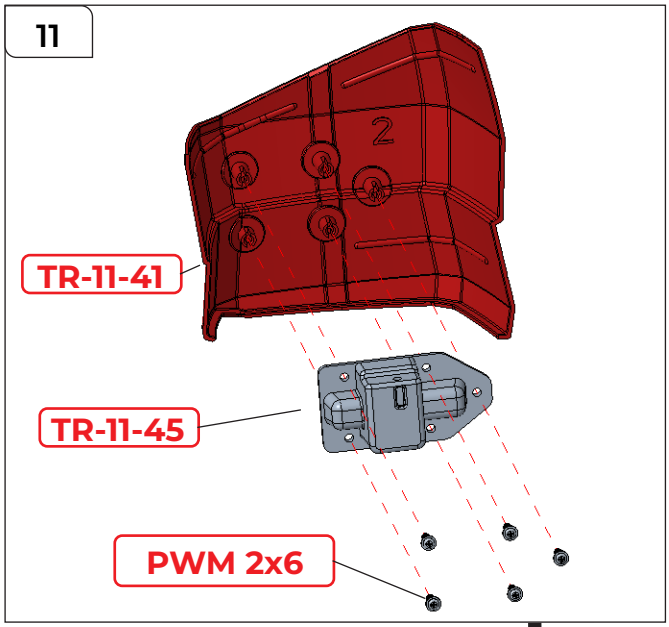
Assembling the Body



STEP 10

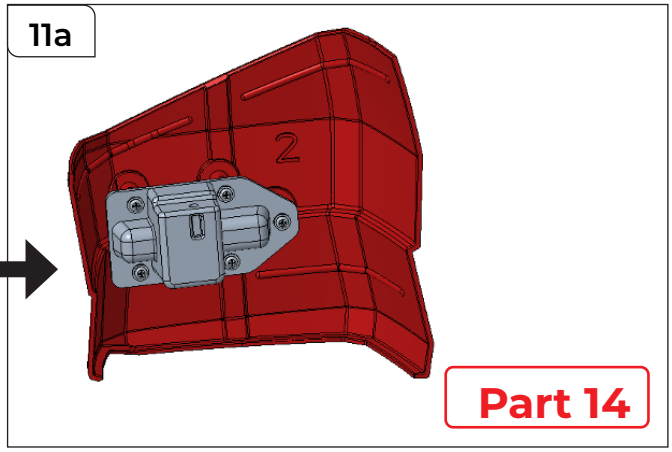
Attach TR-11-44 to TR-11-40 using 4x PWM 2x6 mm screws.



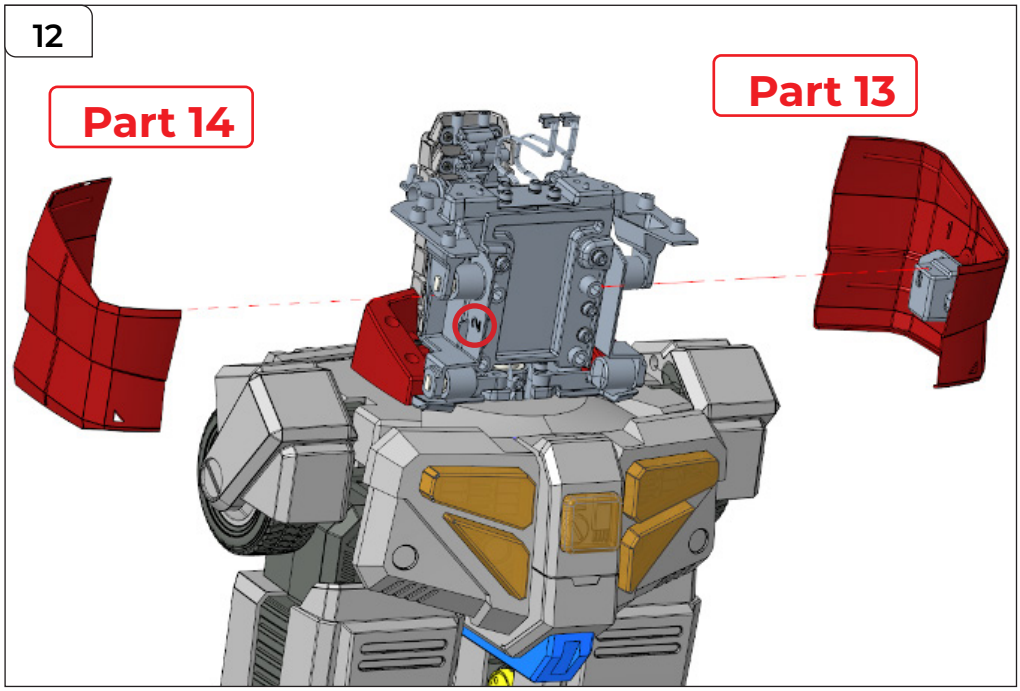


STEP 11

Attach TR-11-45 to TR-11-41 using 4x PWM 2x6 mm screws.

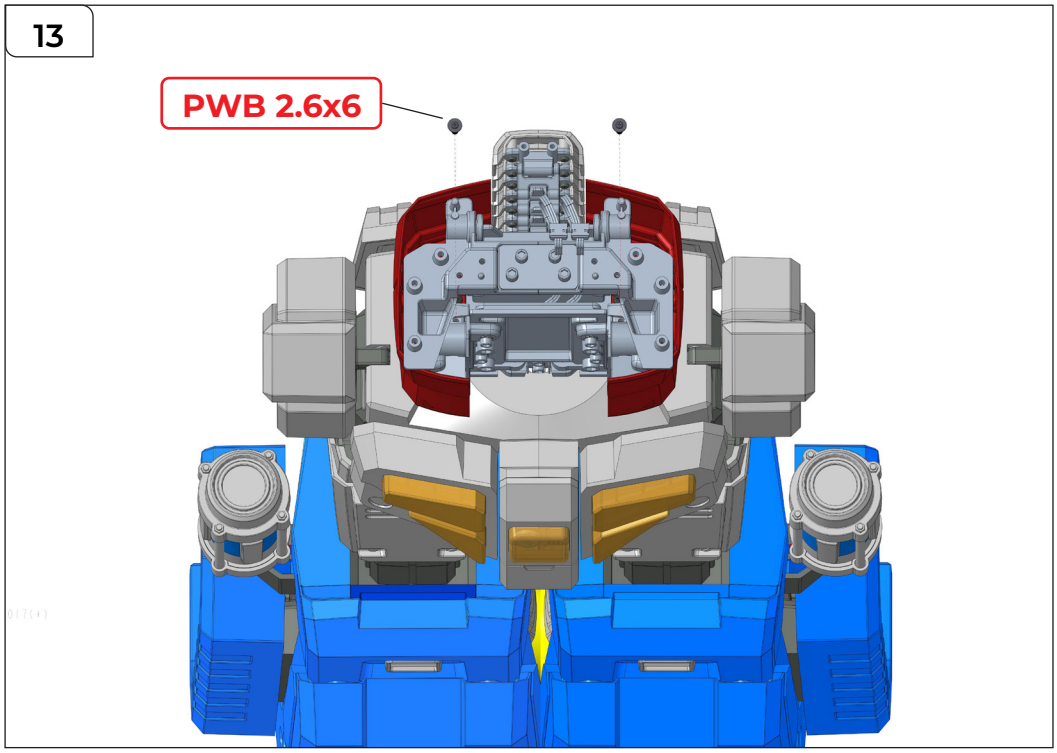


Assembling the Body



STEP 12

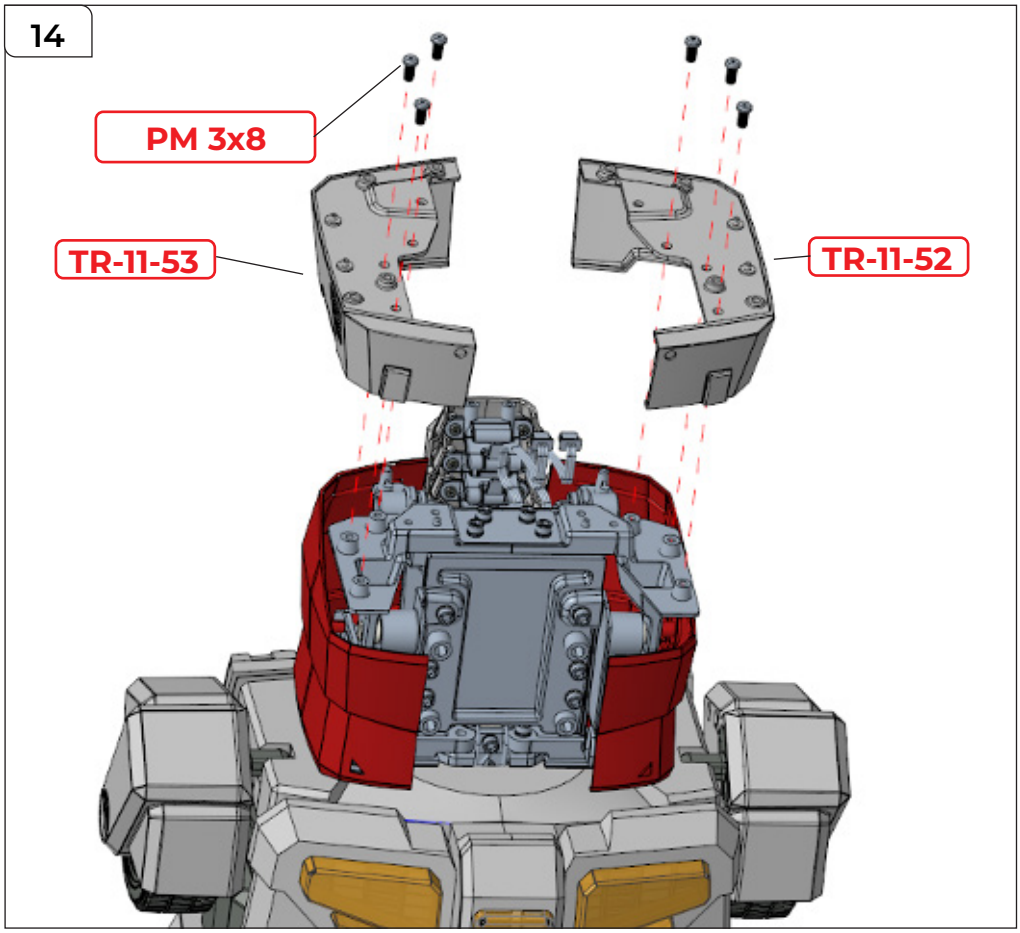
Attach Parts 13 and 14 to A. **Note: Match the number '1' and '2' marked on the inside of Parts 13 and 14 to the corresponding number (circled) on the side of the body.**



STEP 13

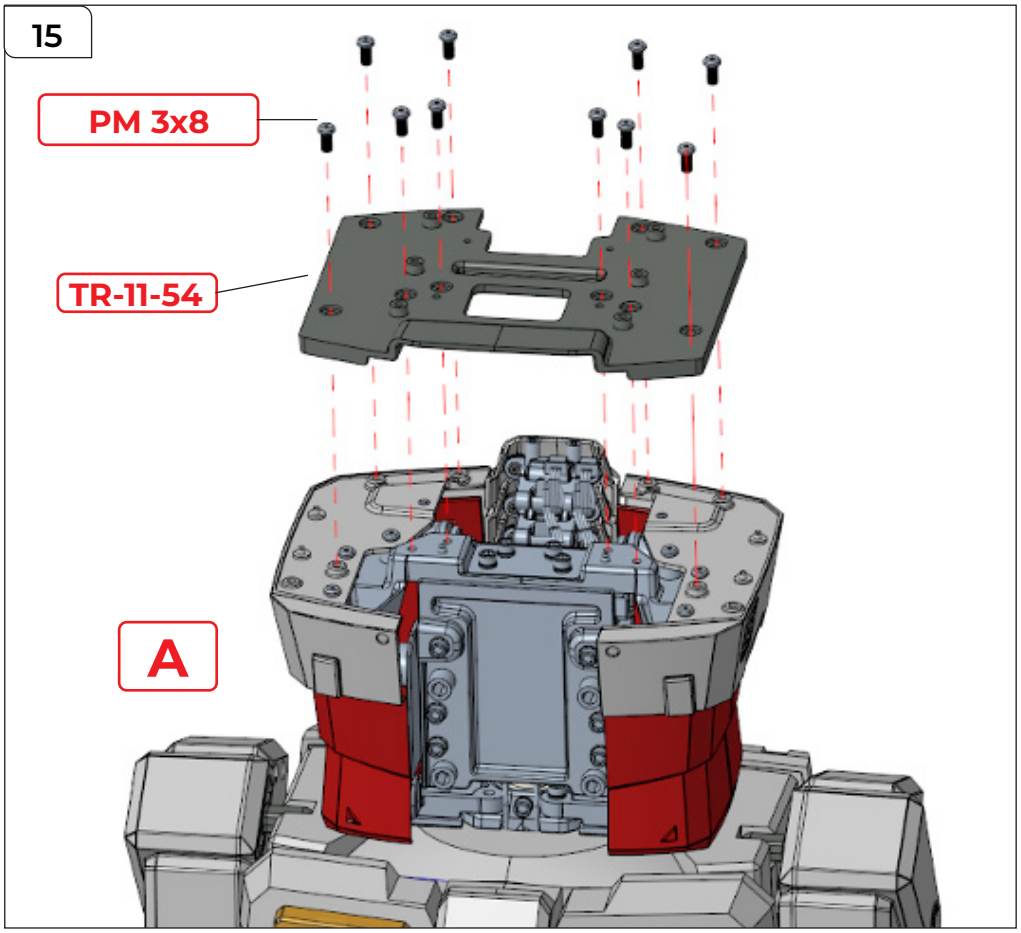
Secure parts in place using 2x PWB 2.6x6 mm screws. Your screwdriver will need to be well magnetized for this step.

Assembling the Body



STEP 14

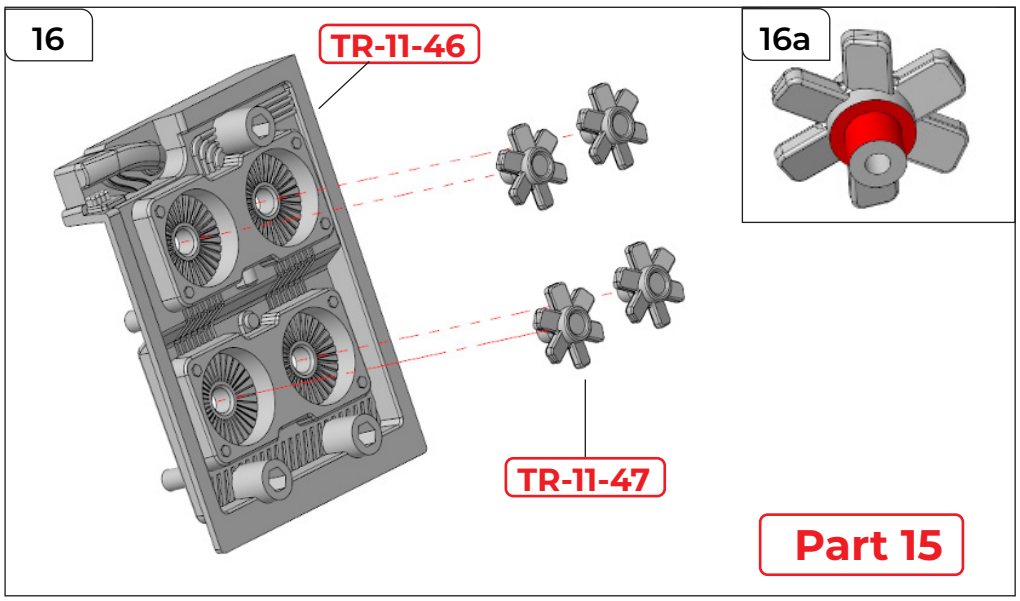
Attach TR-11-52 and TR-11-53 to A, securing them with 6x PM 3x8 mm screws.



STEP 15

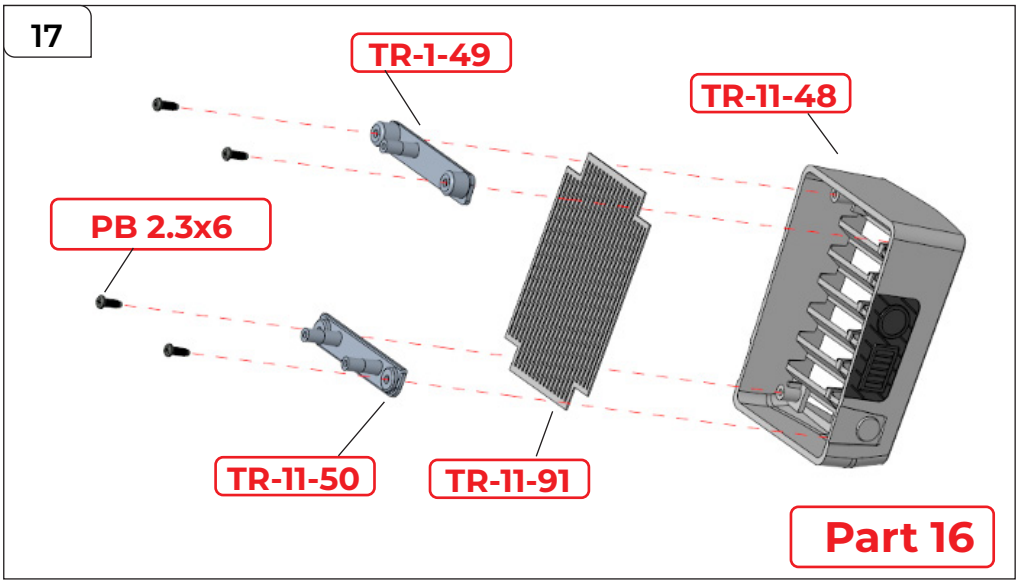
Attach TR-11-54 to A, feeding the cables through the hole in the middle. Secure in place using 10x PM 3x8 mm screws.

Assembling the Body



STEP 16

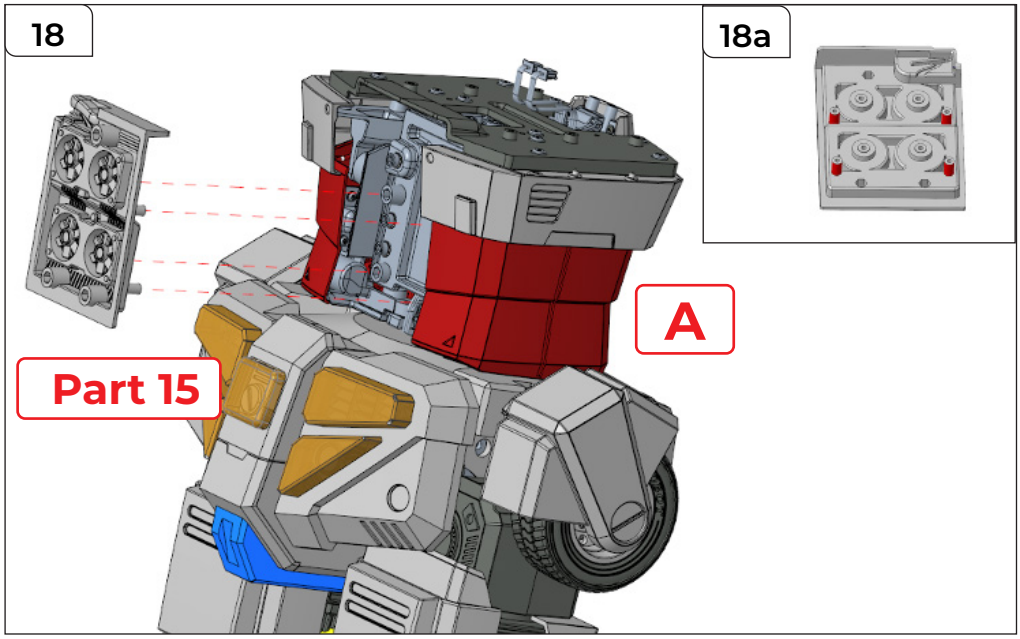
Take 4x TR-11-47, apply a little glue (16a), and push into place on TR-11-46.



STEP 17

Place TR-11-91 onto TR-11-48, then place TR-11-49 and TR-11-50 on top.
Note: TR-11-49 and 50 are different. Study the image to check you have them in the correct orientation.

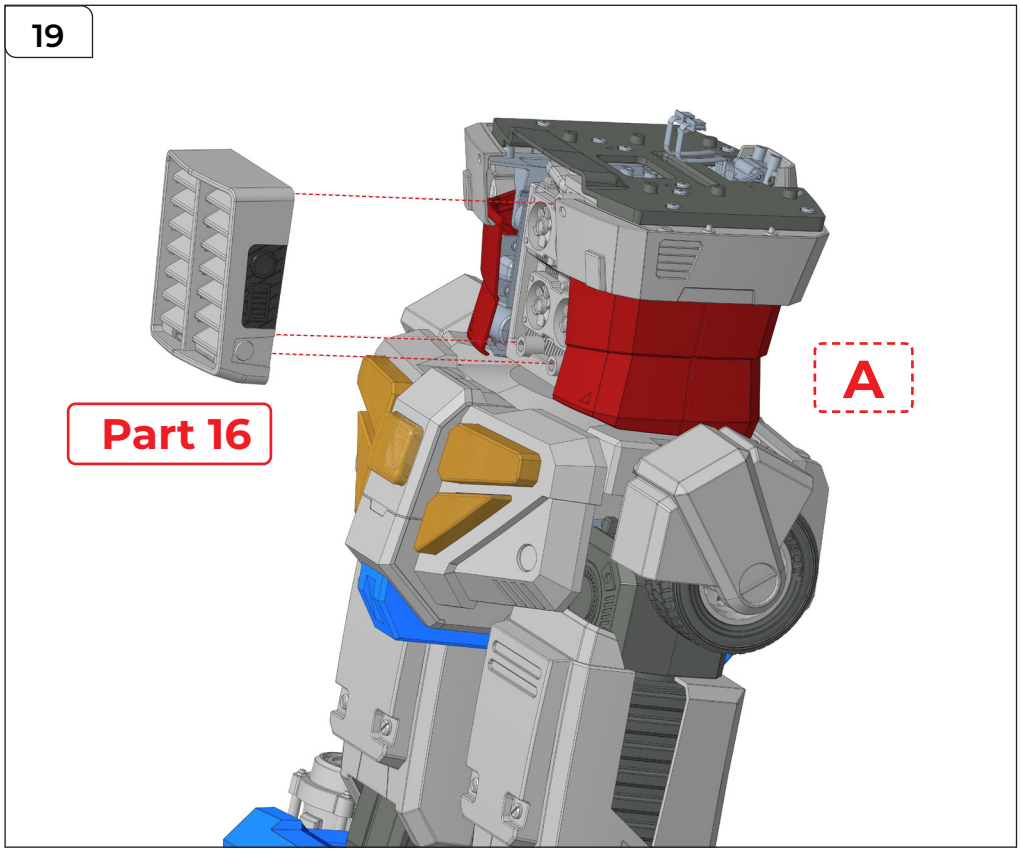
Secure parts together using 4x PB2.3x6 mm screws.



STEP 18

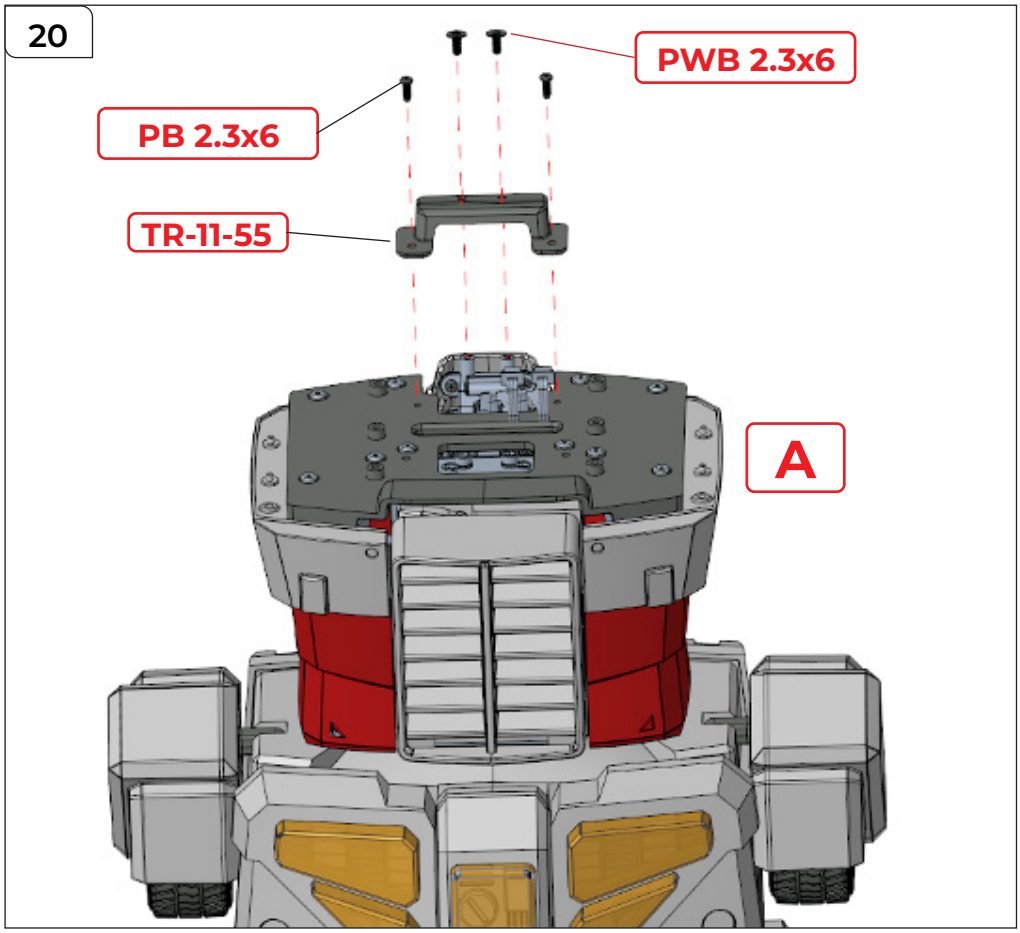
Apply a little glue to Part 15 as shown in 18a, then attach to A.

Assembling the Body



STEP 19

Push Part 16 over the top.

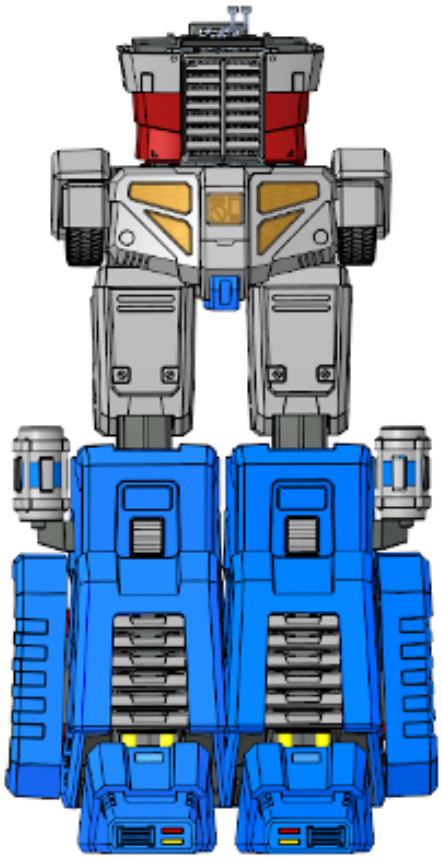


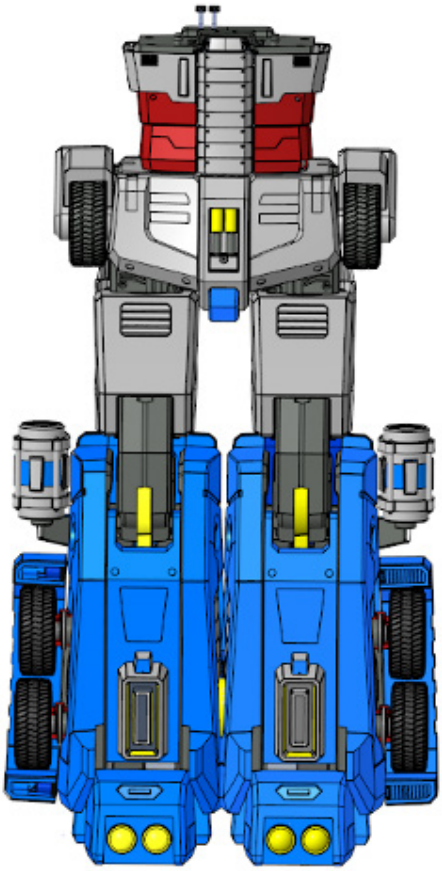
STEP 20

Attach TR-11-55 to A. Secure with 2x PB 2.3x6 mm screws in the outer holes and 2x PWB 2.3x6 mm screws in the inner holes.

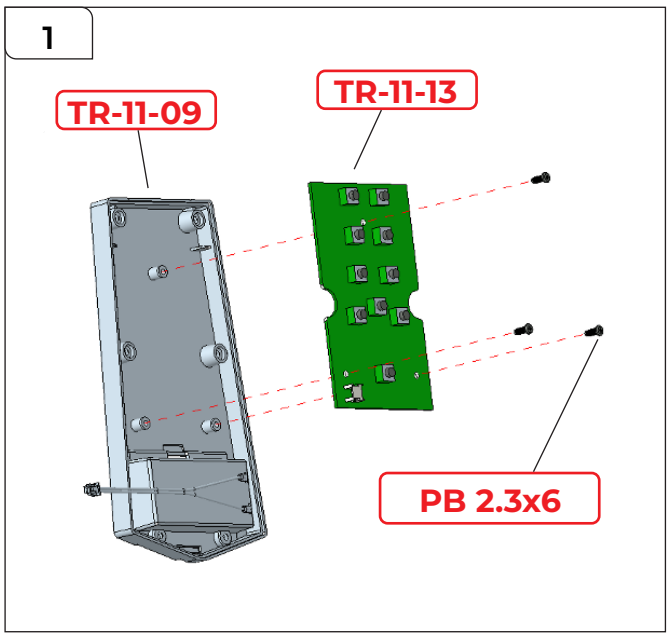
Assembling the Body

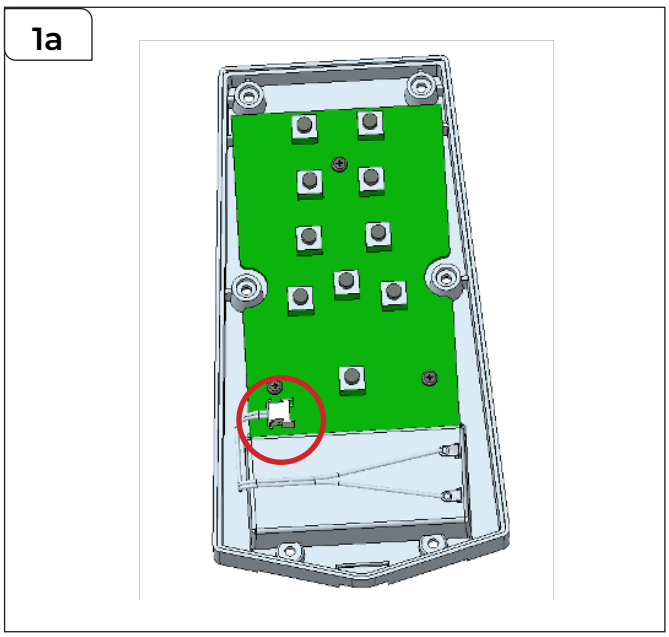
STAGE COMPLETE





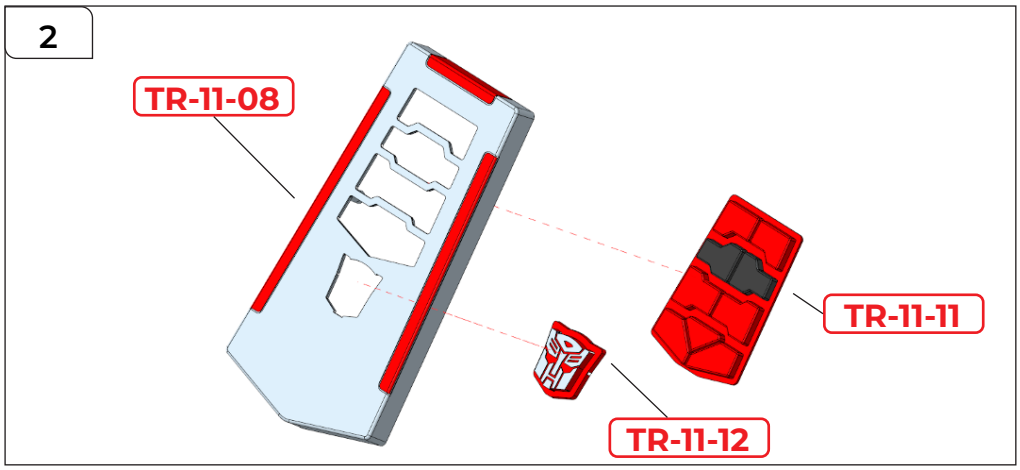
Assembling the Remote Control for Lights and Voice





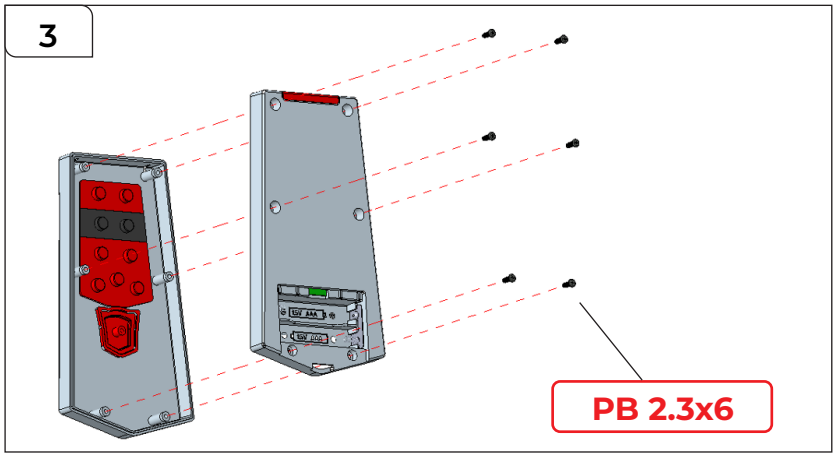
STEP 1

Place the circuit board TR-11-13 into the remote control TR-11-09. Insert the terminal into the socket as shown in 1a. Secure in position with 3x PB 2.3x6 mm screws.



STEP 2

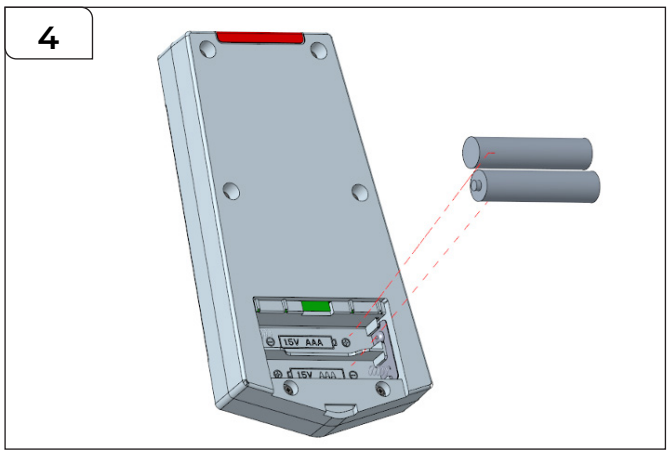
Push TR-11-11 and TR-11-12 into place through the reverse side of TR-11-08.

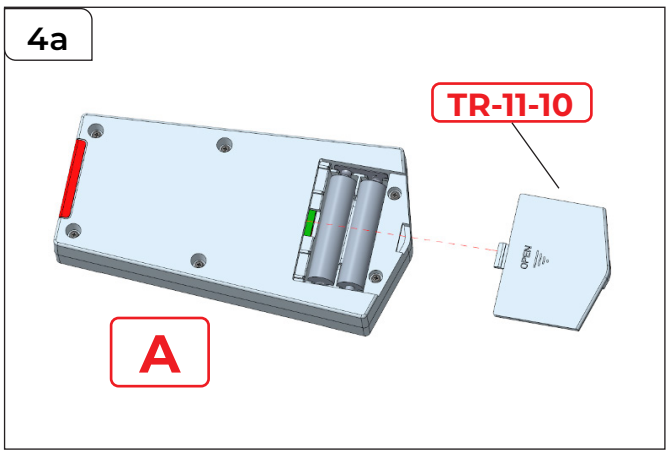


STEP 3

Join the front and back of the remote control together and secure them using 6x PB 2.3x6mm screws.

Assembling the Remote Control for Lights and Voice





STEP 4

Insert 2x AAA batteries into the battery compartment, then slide the battery compartment lid TR-11-10 into place. Please note: batteries are not supplied with your model.

PACK COMPLETE