

13+



MejoliDesign
LEGO Ideas and instructions

MD009

Important:

This model requires 4 Neodymium magnets

- Diameter: 10mm, height: 5mm, strength: N35
- NL/BE you can buy these at GAMMA →
- “Supermagneten 10x5 mm 20 stuks”
- Or search for “Neodymium N35 10x5”
- Keep the magnets away from small children, they can be DEADLY when swallowed!!! (The magnets can pinch intestines causing perforations).
- Also if you got (real) N52 magnets instead of the weaker N35, then those will likely hurt you if your skin gets caught between the magnets. So I advise to buy the N35...



The stickers are designed to be cut with a plotter

- You will need:
 - (a friend with) a plotter (e.g. cricut or silhouette)
 - Glossy gold permanent adhesive vinyl
 - Transfer tape
 - Weeding tools and/or scissors, tweezers and a needle



Resources:

- Bom files and sticker plotter design files can be found on the website here:
 - <https://www.mejolidesign.com/mocs/#md009>
- Gamma NL link for magnets:
 - <https://www.gamma.nl/assortiment/gamma-supermagneten-10x5-mm-20-stuks/p/B154349>
- Gamma BE link for magnets:
 - <https://www.gamma.be/nl/assortiment/gamma-supermagneet-10x5-mm-20-stuks/p/B154349>

Other remarks / troubleshooting

- The arm must be locked in tight to stay put, so press the beard and the blue tile behind it at the end of the build. Don't worry about it coming loose. It is very simple to put it back.
- Please be aware that any answers given to you through magic, are not the responsibility of the designer. Though the person that is turning the knob on the back of the wizard may be less innocent...

Parts list:



1x
64847
Black



1x
3023
Black



2x
2420
Black



1x
3002
Black



1x
3710
Black



1x
4740
Dark Bluish Gray



3x
3070
White



2x
5091
White



9x
3386
Black



1x
24201
Black



2x
4304
Black



1x
3942c
Black



1x
65138
Black



2x
67329
Dark Bluish Gray



2x
98138pb027
White



1x
5092
White



2x
36840
Black



4x
99780
Black



1x
4522
Black



1x
3705
Black



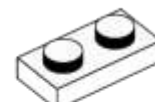
8x
24246
Dark Bluish Gray



2x
4274
Light Bluish Gray



7x
25269
White



5x
3023
White



1x
32474
Black



2x
32952
Black



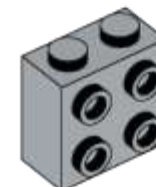
1x
3623
Black



2x
3956
Black



1x
48729b
Dark Bluish Gray



5x
22885
Light Bluish Gray



6x
3024
White



2x
3069
White



2x
26604
Black

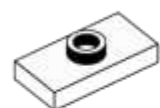


1x
36841
White

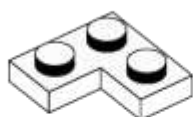


3x
29120
White

Parts list:



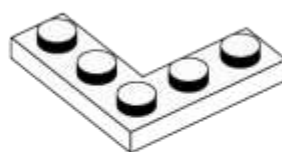
2x
15573
White



3x
2420
White



2x
77850
White



1x
77844
White



2x
24246
Tan



2x
6589
Tan



5x
25269
Blue



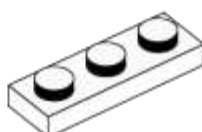
2x
4070
Blue



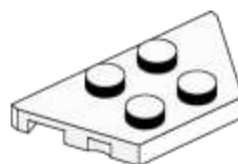
4x
1126
White



1x
4032
White



1x
3623
White



1x
51739
White



1x
85861
Tan



2x
11477
Tan



12x
3024
Blue



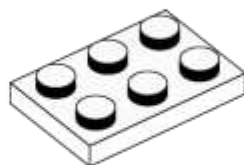
1x
87087
Blue



3x
29119
White



1x
14769
White



1x
3021
White



1x
85861
Reddish Brown



2x
4070
Tan



1x
73825
Tan



3x
54200
Blue



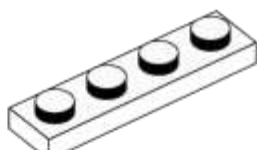
3x
3069
Blue



2x
11477
White



1x
15068
White



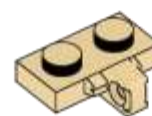
2x
3710
White



4x
1871
Reddish Brown



1x
36840
Tan



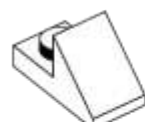
1x
44567b
Tan



1x
36840
Blue



1x
29120
Blue



2x
92946
White



1x
13564
Reddish Brown



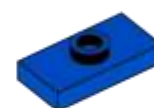
1x
3749
Tan



7x
3070
Blue



1x
6541
Blue



2x
15573
Blue

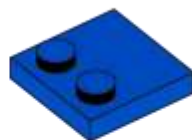
Parts list:



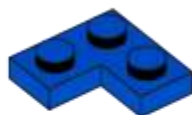
5x
3023
Blue



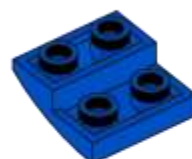
2x
3040a
Blue



2x
33909
Blue



2x
2420
Blue



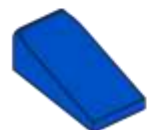
1x
32803
Blue



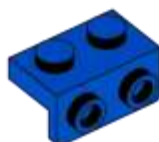
4x
3623
Blue



2x
67329
Blue



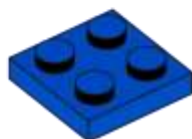
5x
5404
Blue



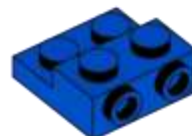
3x
99781
Blue



2x
14719
Blue



4x
3022
Blue



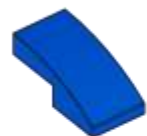
2x
4304
Blue



1x
44728
Blue



1x
43722
Blue



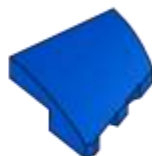
2x
11477
Blue



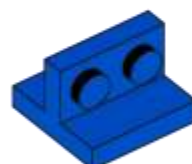
2x
32952
Blue



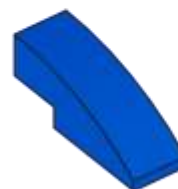
1x
24299
Blue



3x
5095
Blue



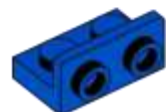
1x
41682
Blue



1x
50950
Blue



2x
3021
Blue



2x
99780
Blue



1x
3068
Blue



2x
79389
Blue



3x
5093
Blue



1x
3039
Blue

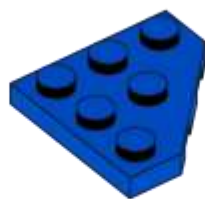


4x
4286
Blue

Parts list:



1x
43723
Blue



2x
2450
Blue



1x
3709
Blue



21x
3024
Pearl Gold



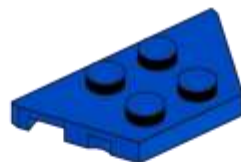
12x
11477
Pearl Gold



1x
60474
Pearl Gold



2x
3298
Blue



1x
51739
Blue



2x
3666
Blue



4x
53451
Pearl Gold



1x
15535
Pearl Gold



2x
5092
Pearl Gold



2x
27925
Pearl Gold



2x
3710
Blue



2x
87079
Blue



1x
79194
Trans-Clear



2x
5091
Pearl Gold



2x
41740
Pearl Gold



5x
85861
Pearl Gold



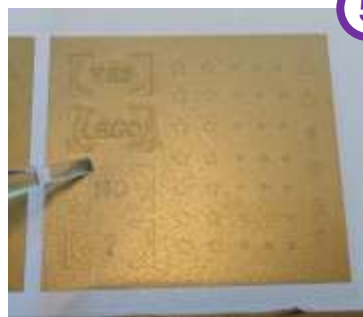
1x
3069
Pearl Gold



2x
3020
Blue

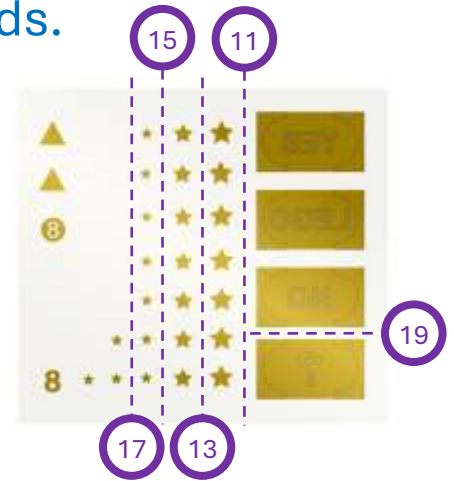
How to apply the stickers (1):

1. Get the 4 white rounded plates, the grey dish, the black cone and the black ball
2. Clean the parts and make sure they are dry (the adhesive may react with water)
3. Put the white parts on separate plates and put the ball on the cone
4. Put the transfer tape on the sticker sheet
5. Press the transfer tape on all the cut out shapes
6. Gently remove the transfer tape with gold stickers from the sheet
7. Carefully weed the single large gold sticker in between all the shapes, use tweezers/needle to keep the small stickers on the transfer foil if they get loose (the words remain in gold rectangles, don't weed those yet!)
8. Use the needle to very carefully weed the 8 out of one of the circles
9. Align the cone with ball carefully and 'dip' the ball on the 8. Gently press / roll to make sure it sticks. Then carefully lift.
10. Use the same technique to add 10 to 15 of the smallest stars. You will need to remove the cone to really get stars all around the ball.

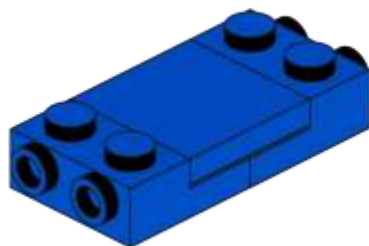
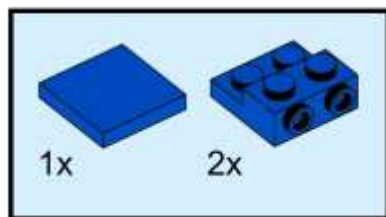


How to apply the stickers (2):

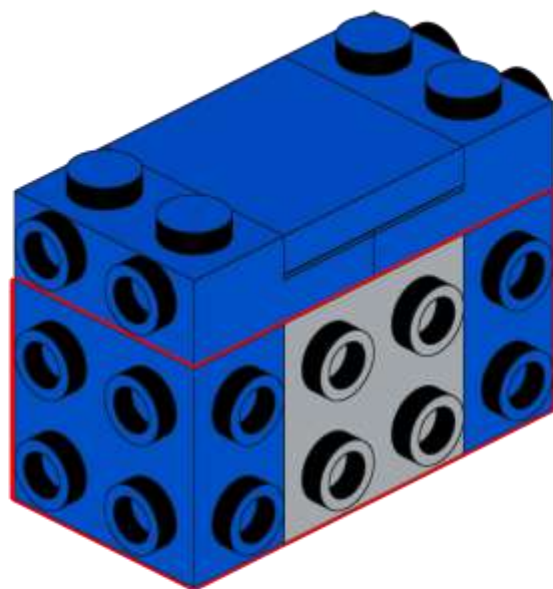
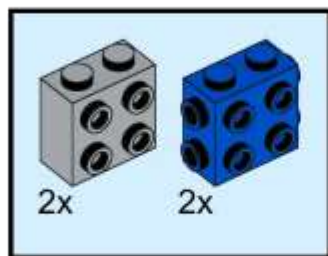
11. Use scissors to cut between the stars and rectangles with words.
12. Put the transfer foil with words aside
13. Use scissors to cut the largest stars loose in a single strip
14. Apply star stickers to cone, leave large spaces between stars
15. Now use scissors to cut the strip of 2nd largest stickers
16. Apply stickers to cone in largest spaces
17. Cut strips of the small stars and fill the remaining spaces
18. Apply a triangle to the dish
19. Per rectangle with a word:
 - a. Use scissors to cut one rectangle with a word (with transfer foil)
 - b. Carefully weed the gold sticker around the word, but keep the brackets
 - c. Apply the word on the tile, use the brackets to position the word
20. Done!



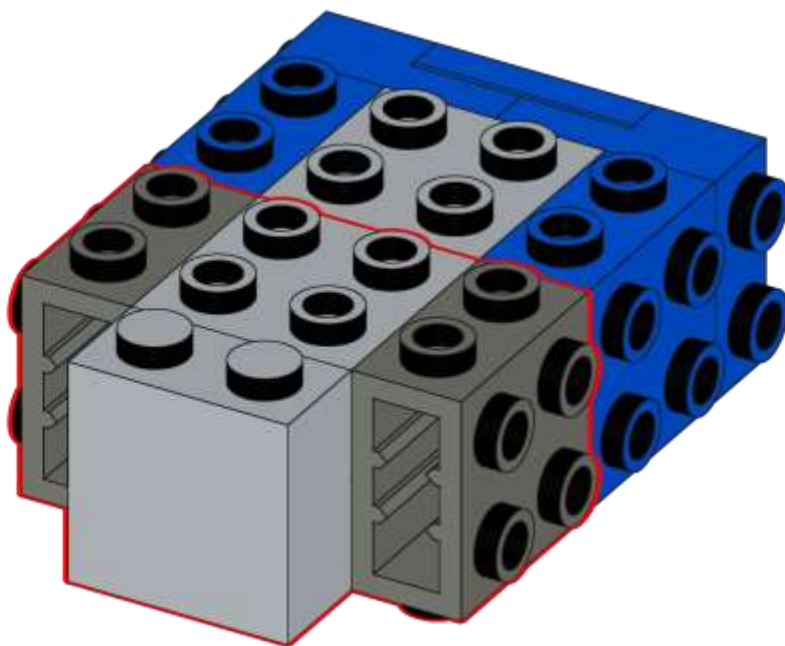
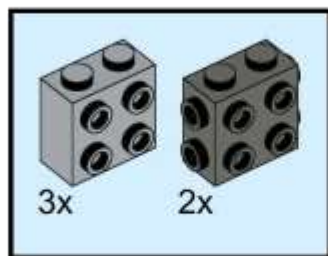
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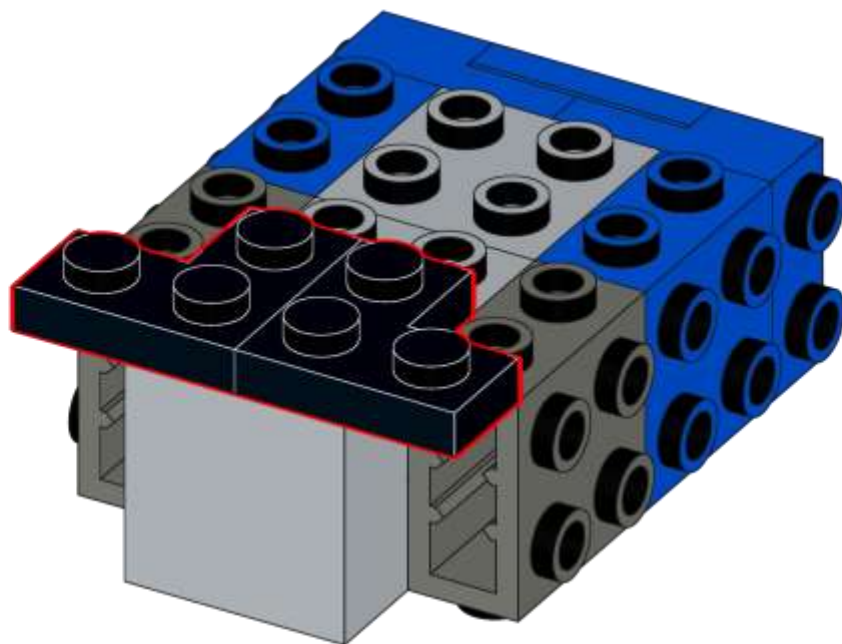
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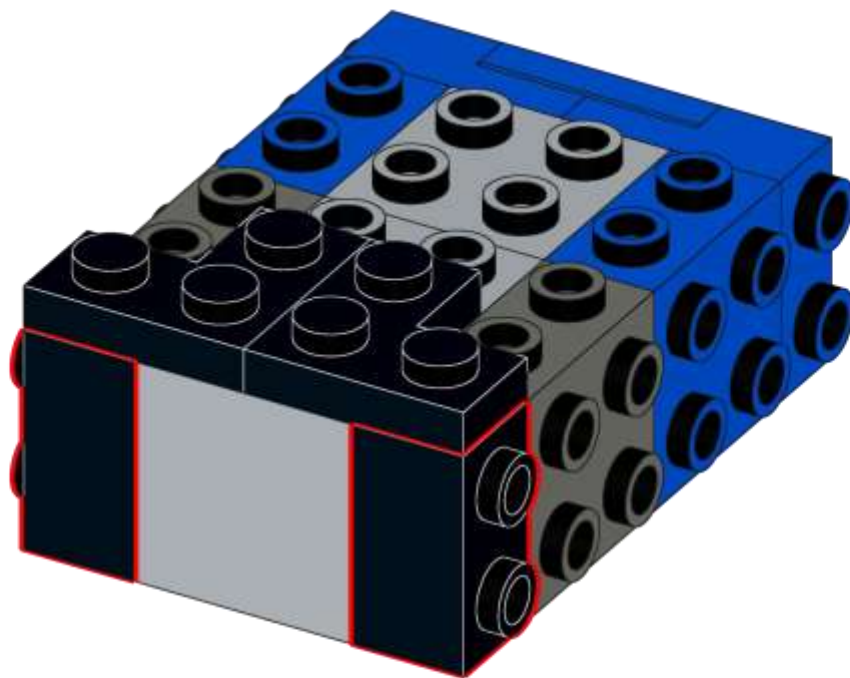
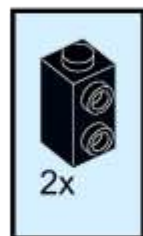
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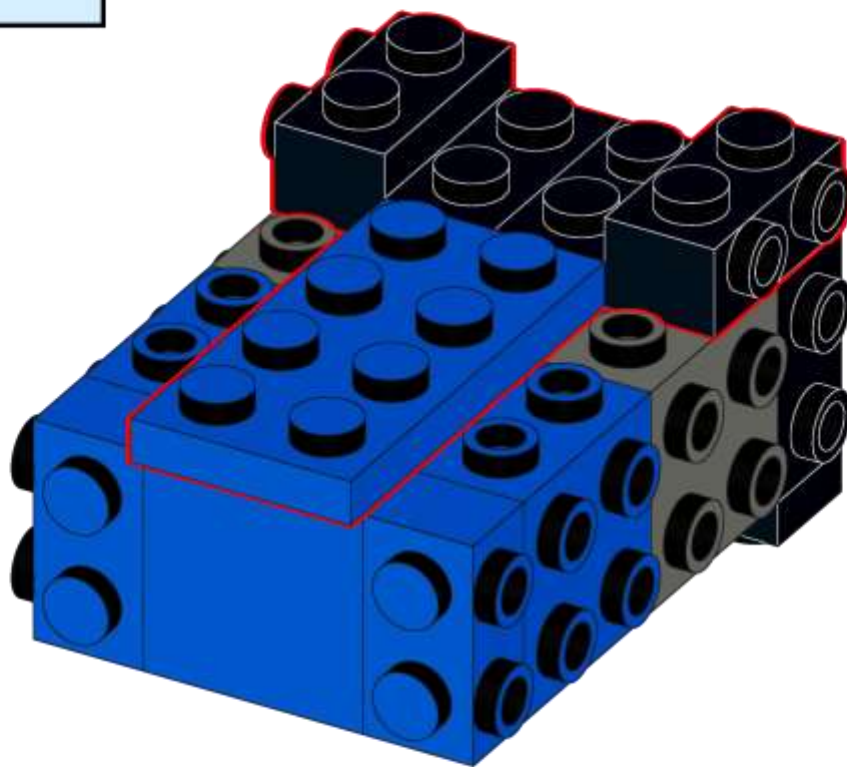
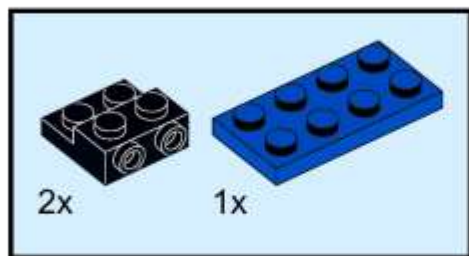
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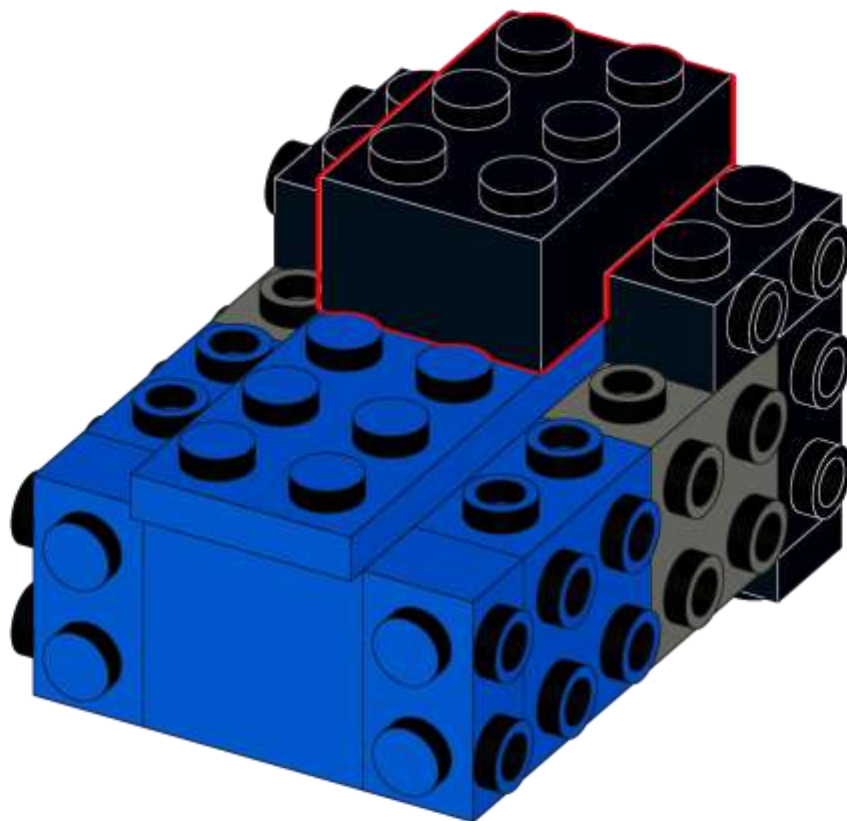
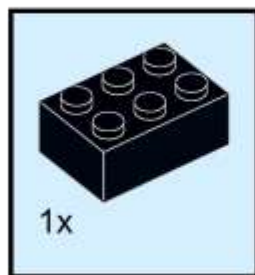
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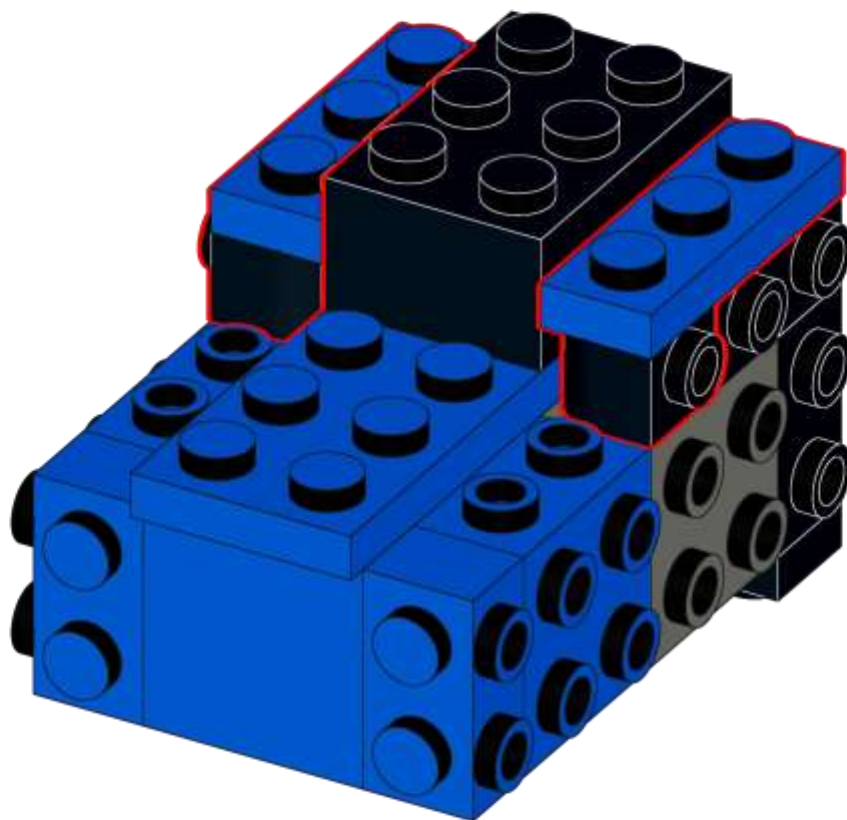
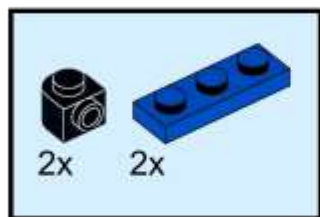
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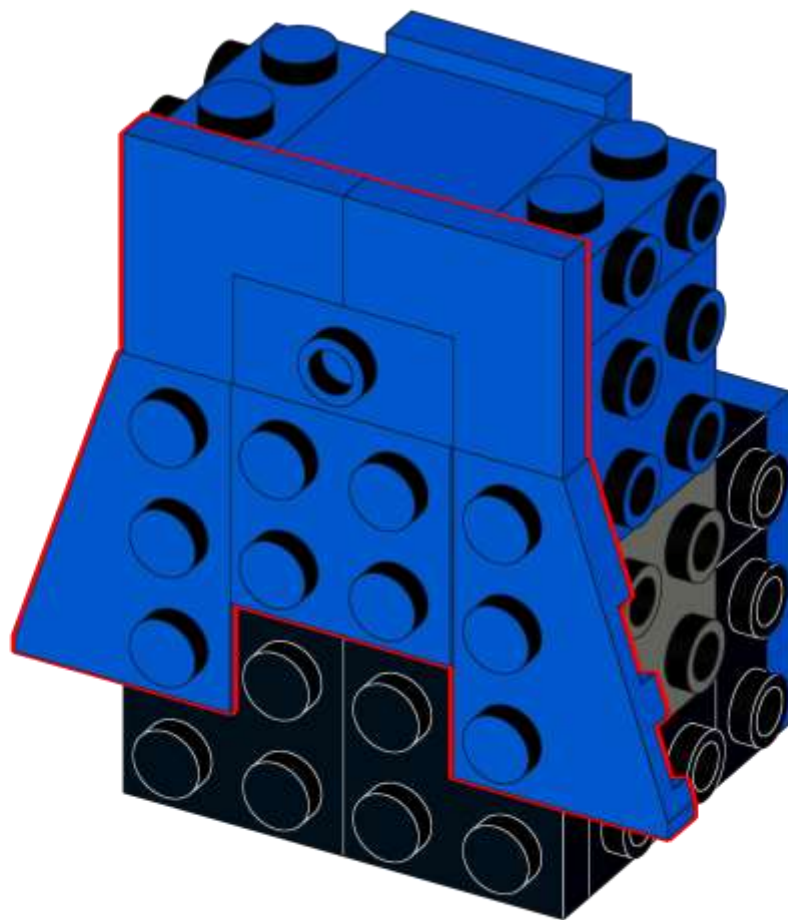
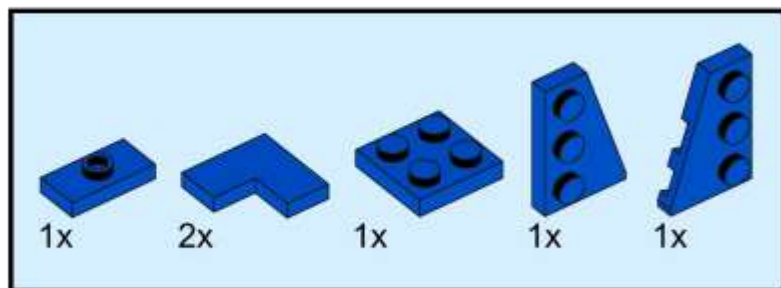
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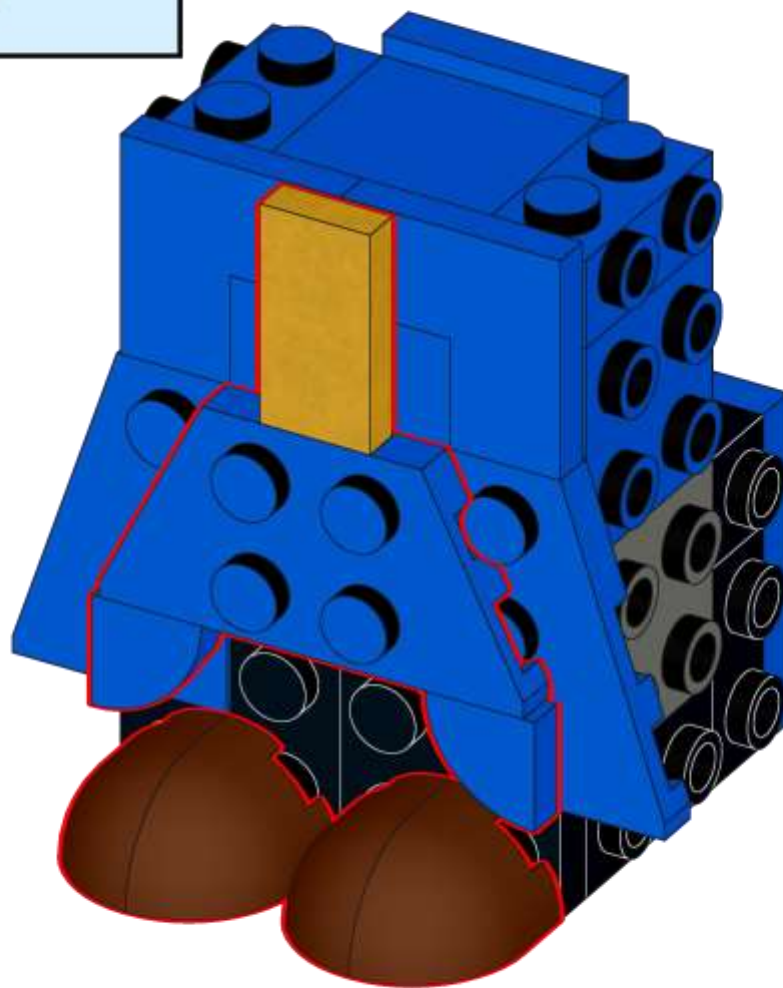
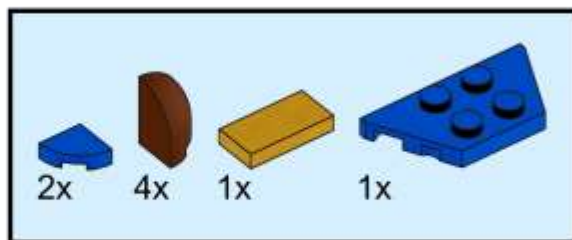
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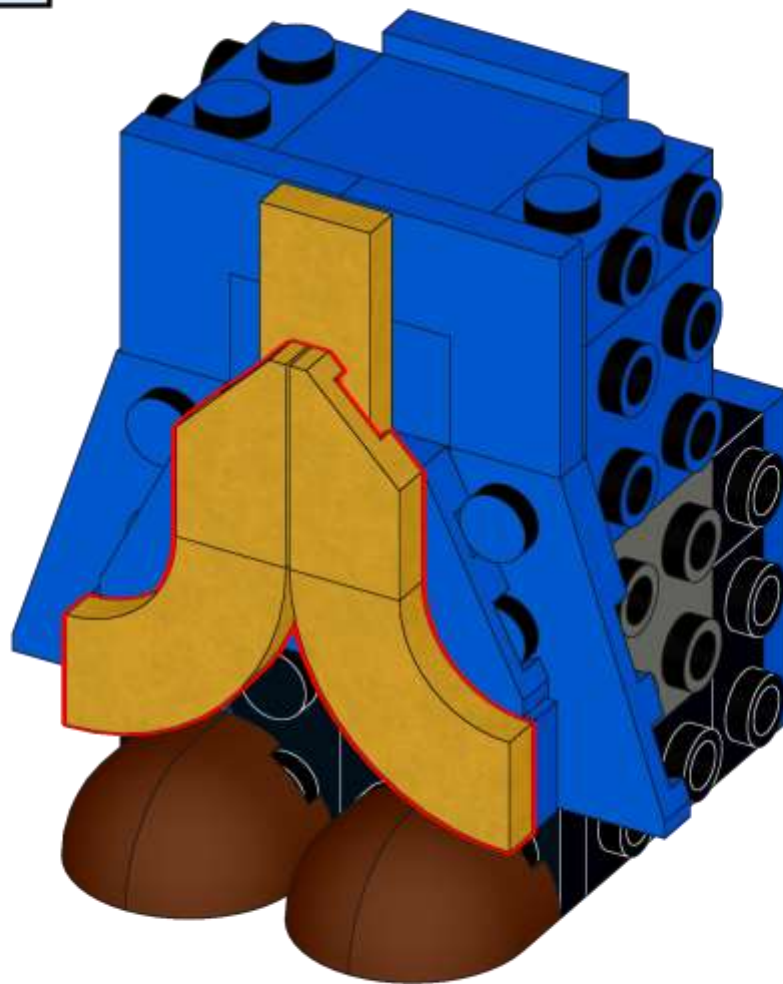
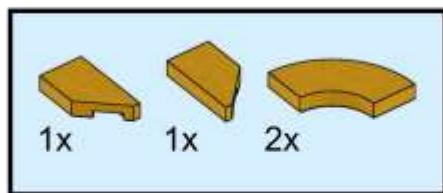
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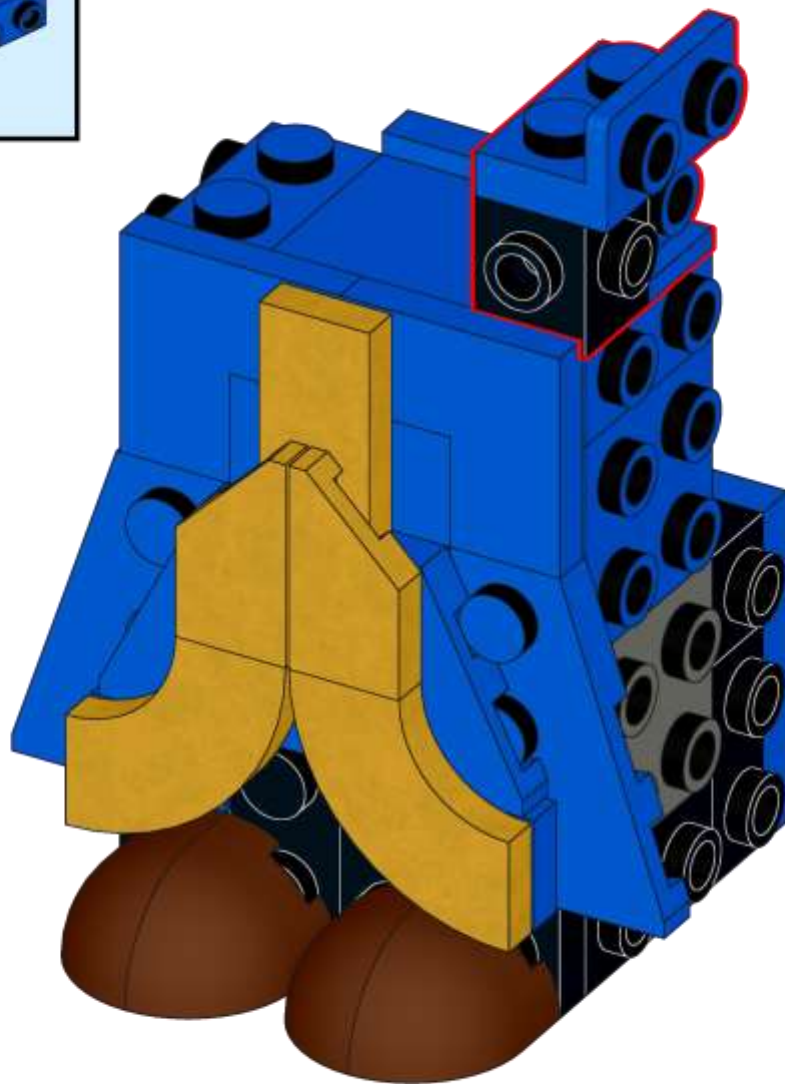
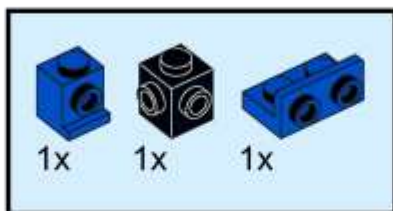
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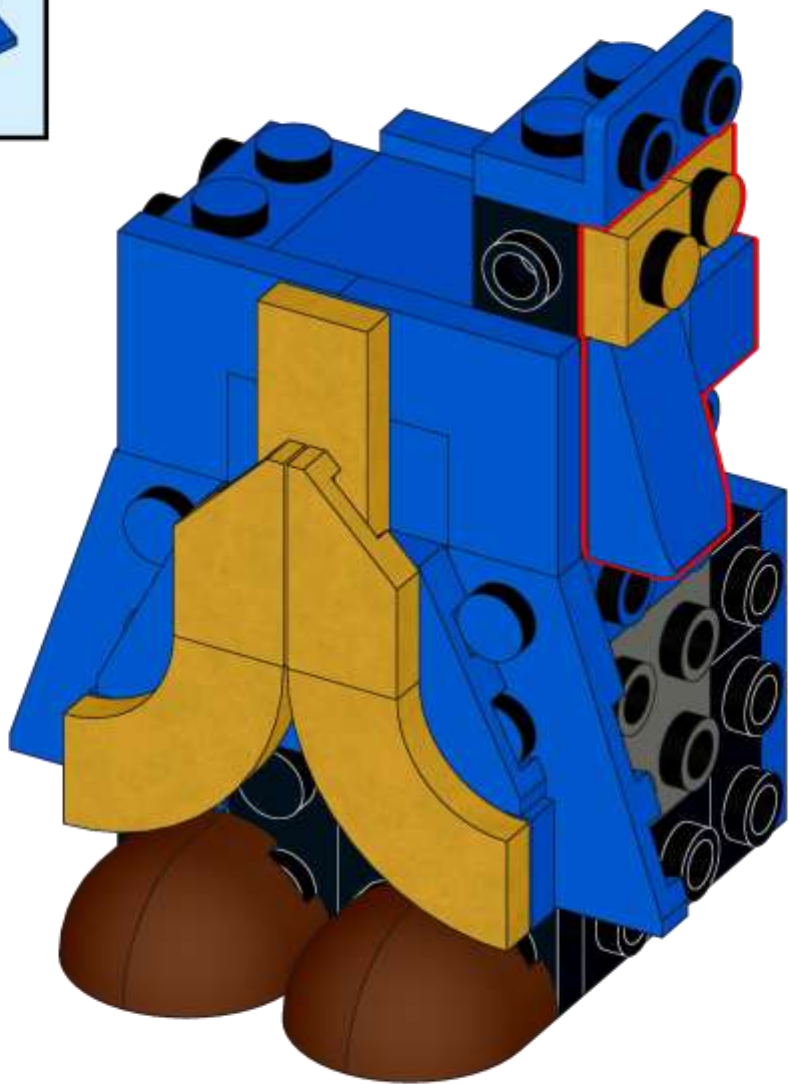
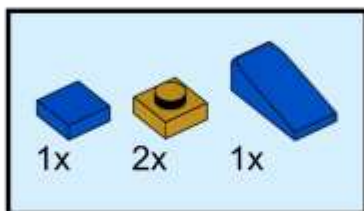
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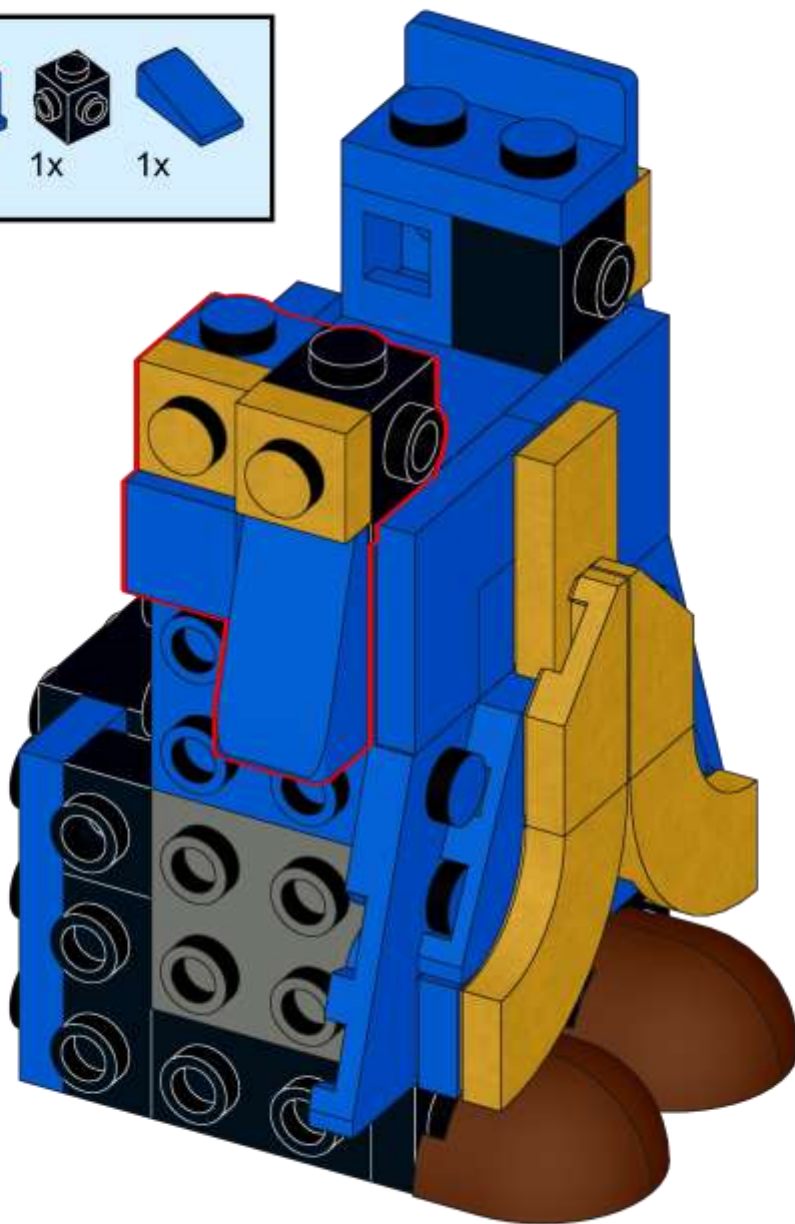
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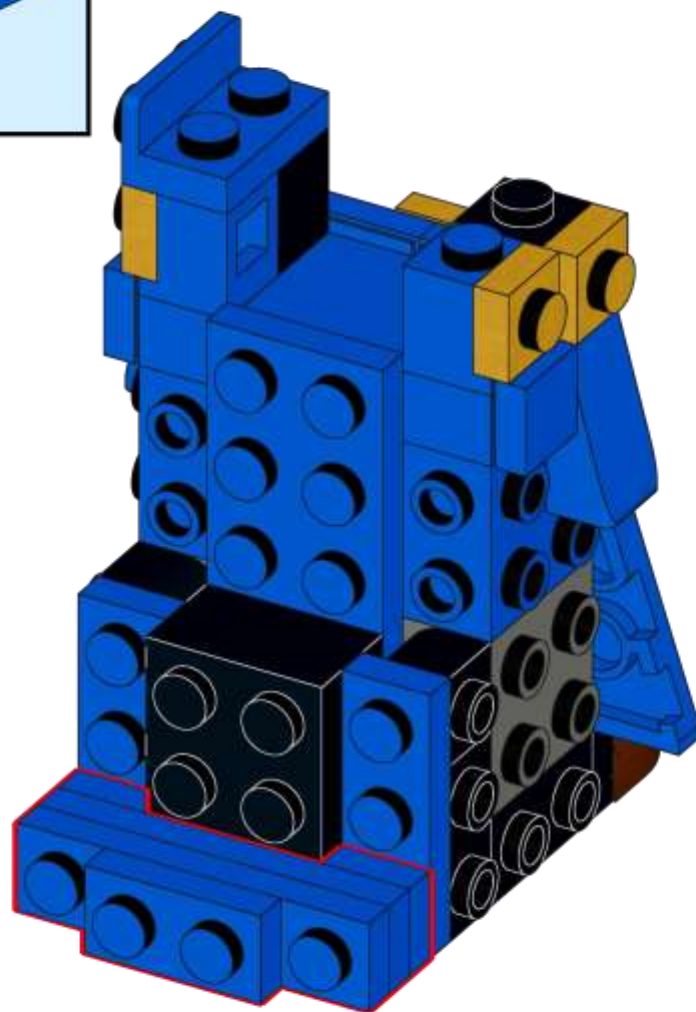
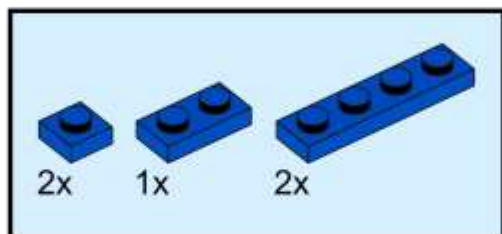
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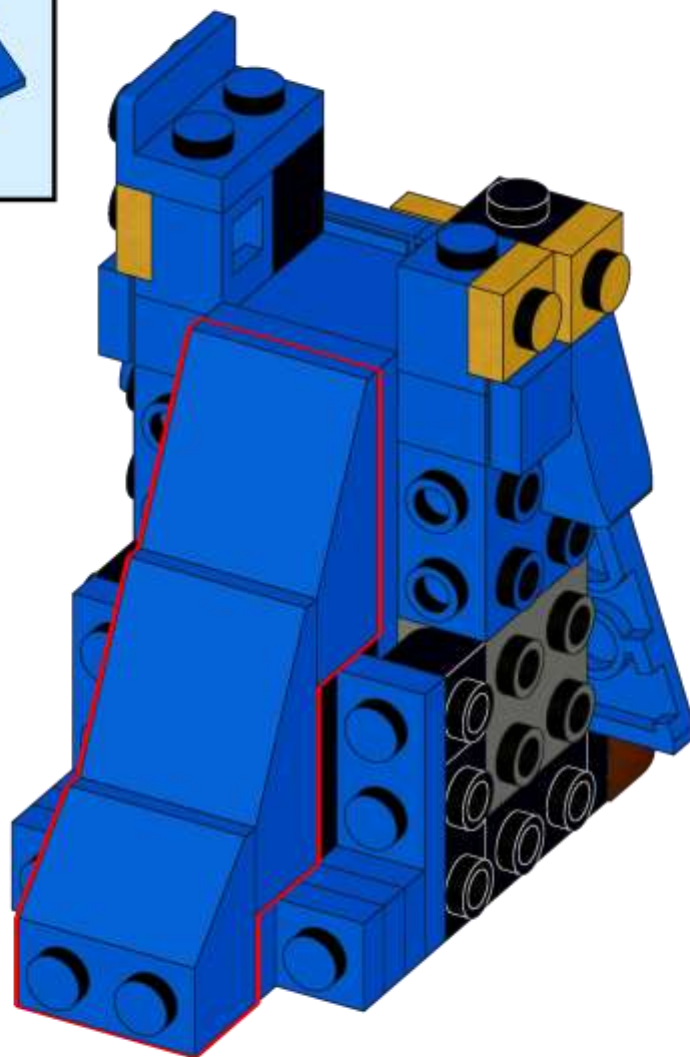
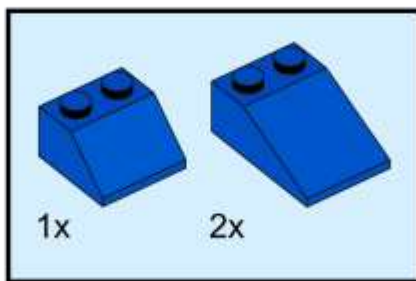
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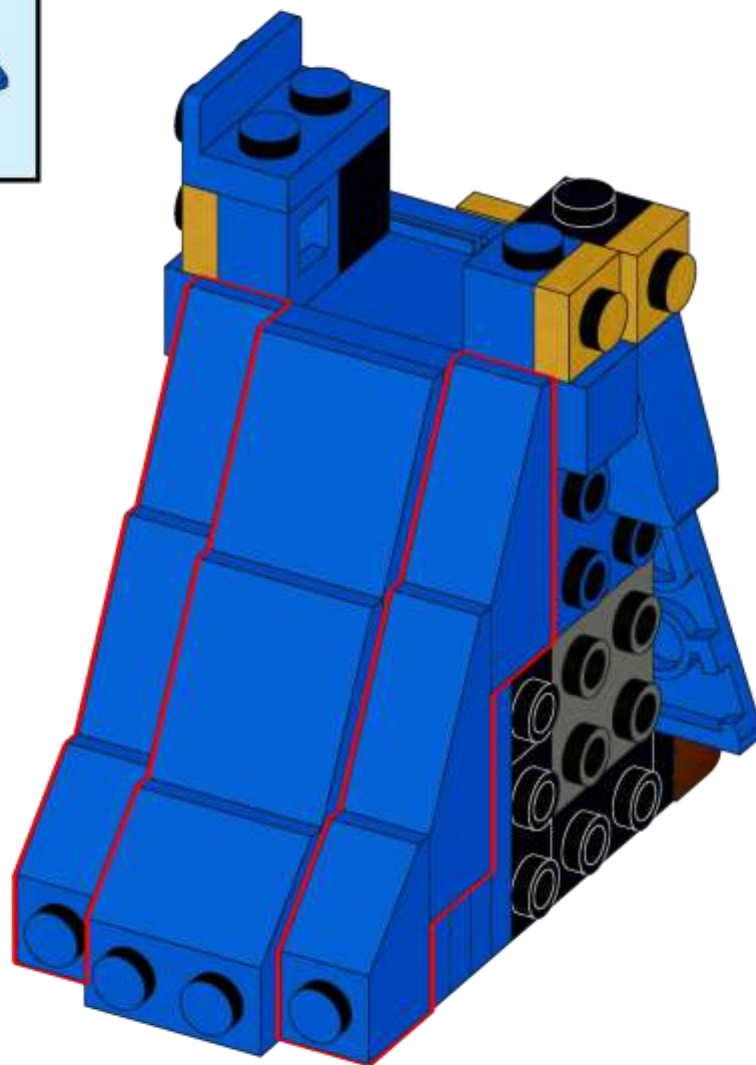
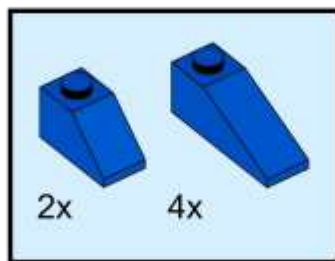
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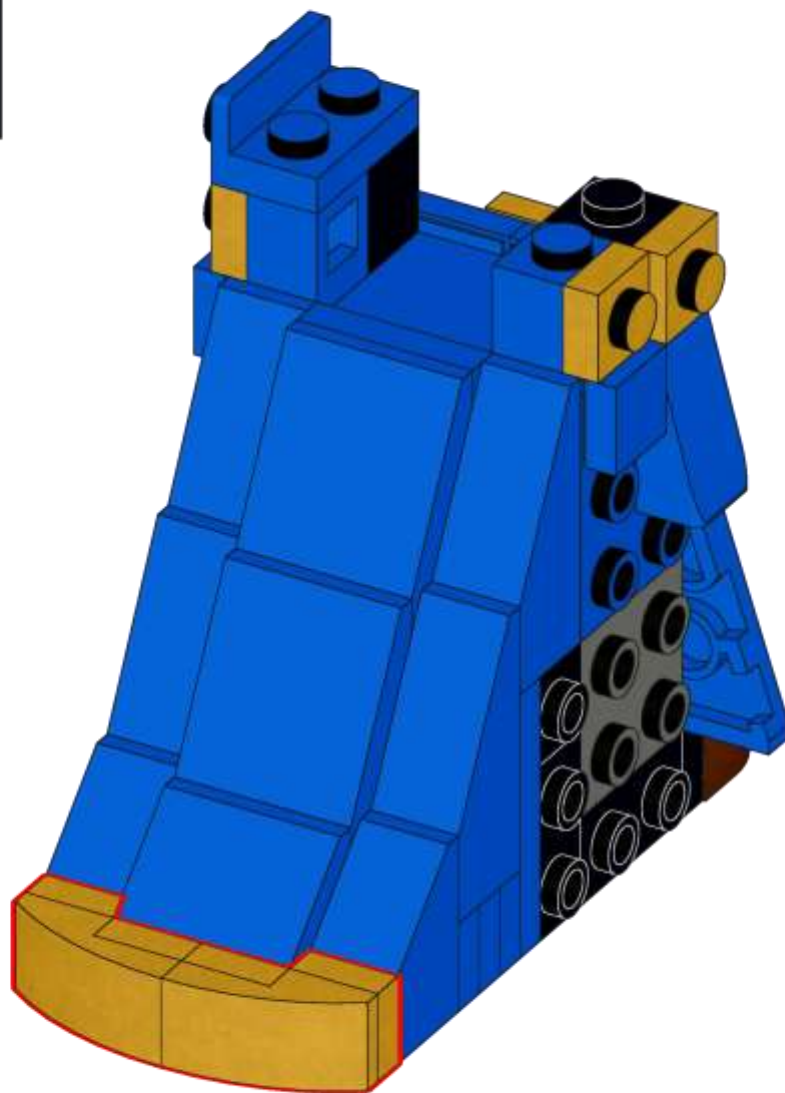
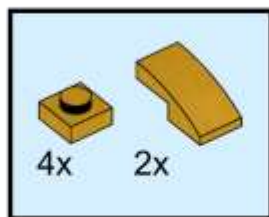
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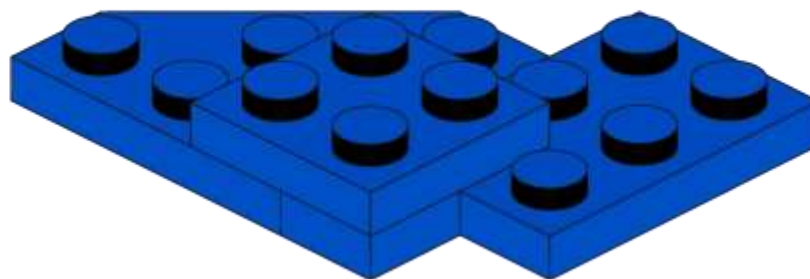
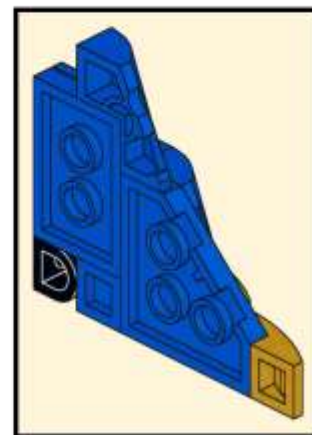
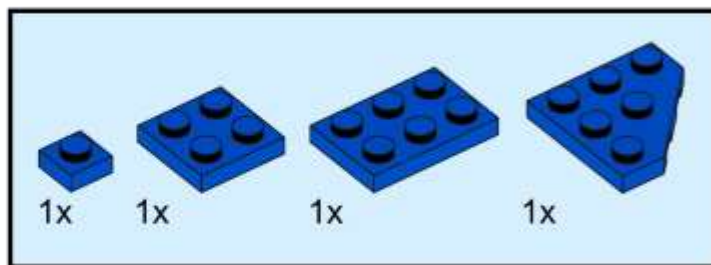
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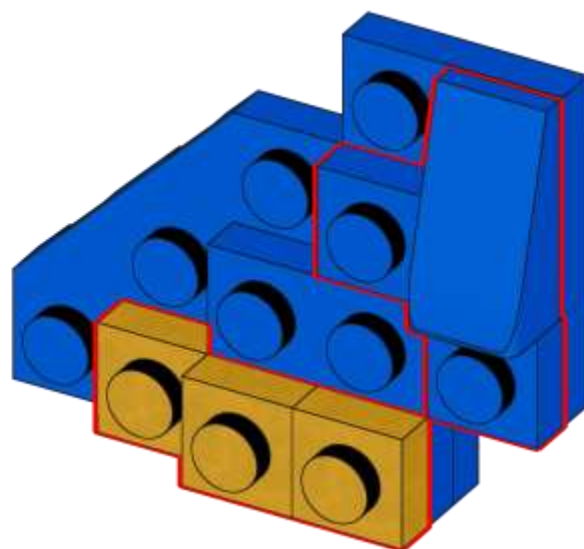
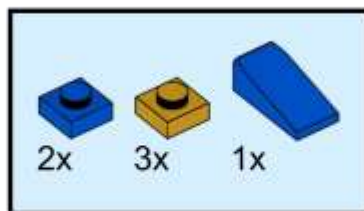
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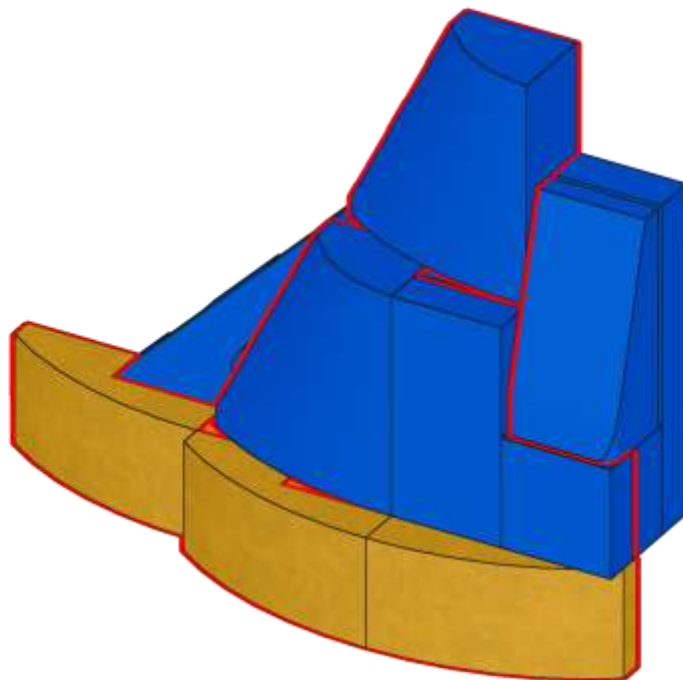
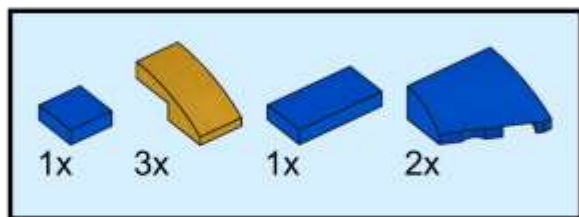
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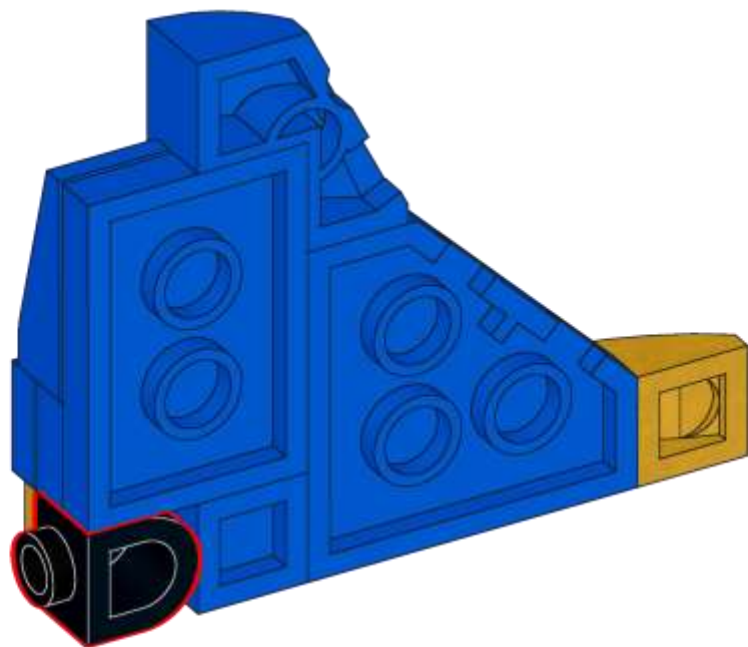
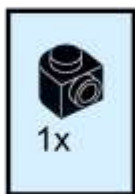
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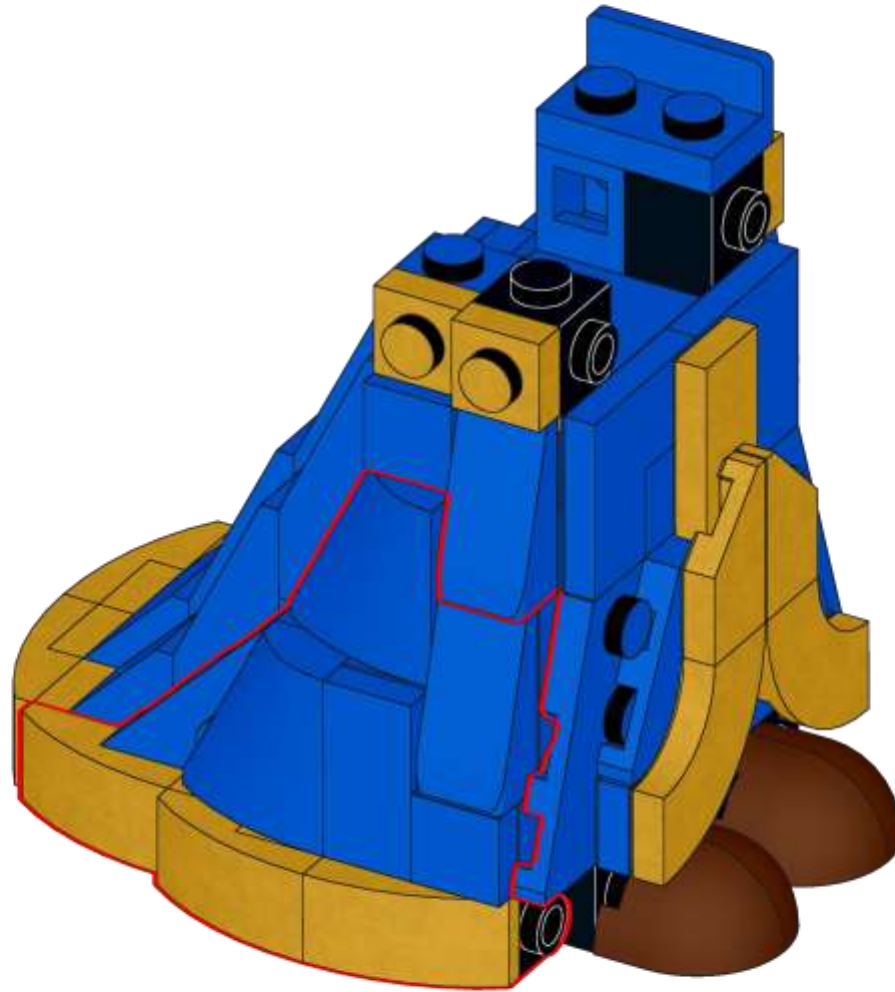
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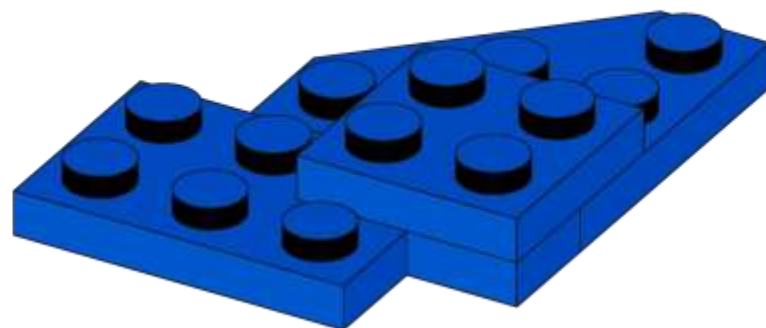
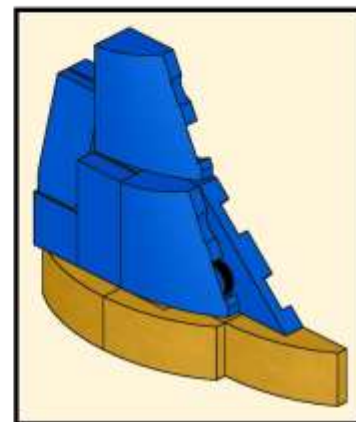
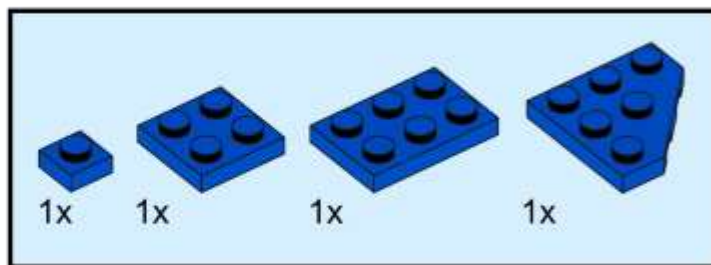
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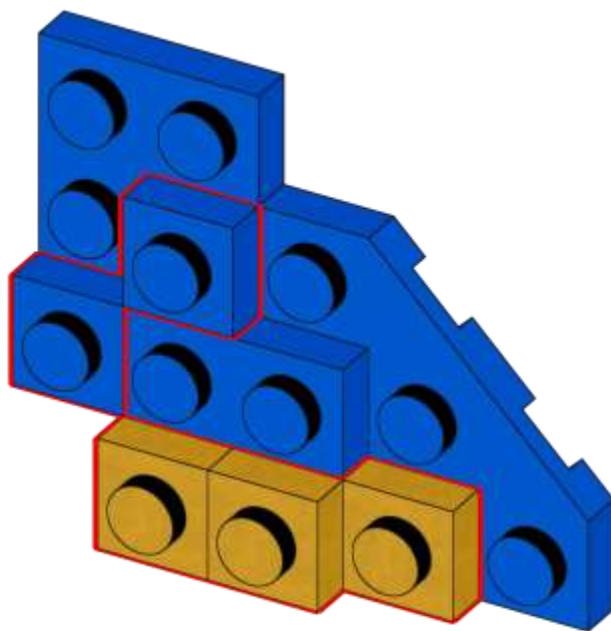
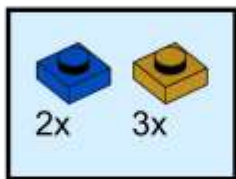
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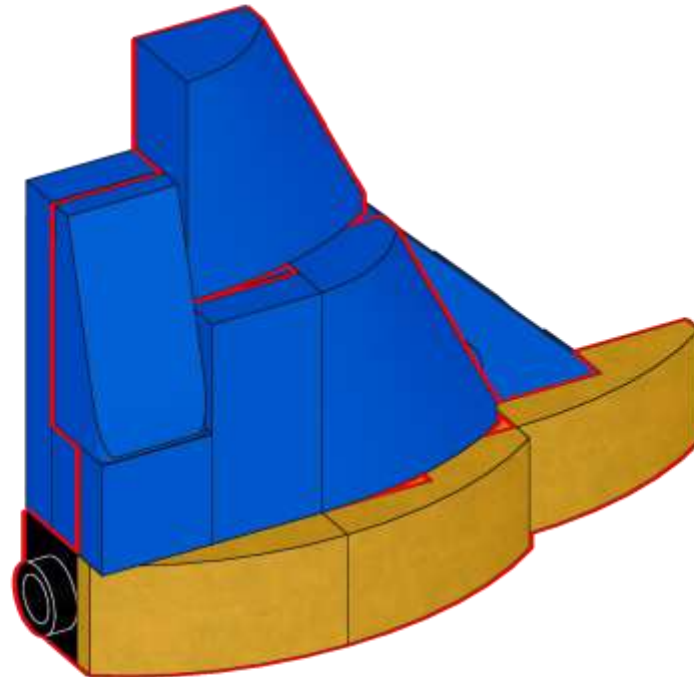
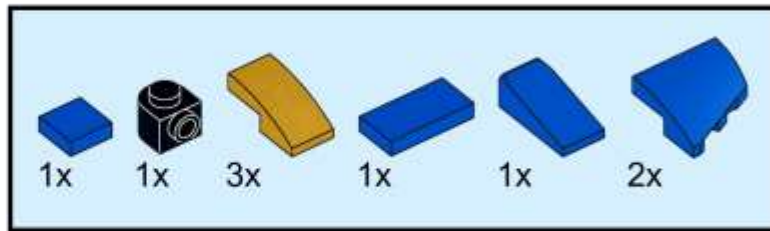
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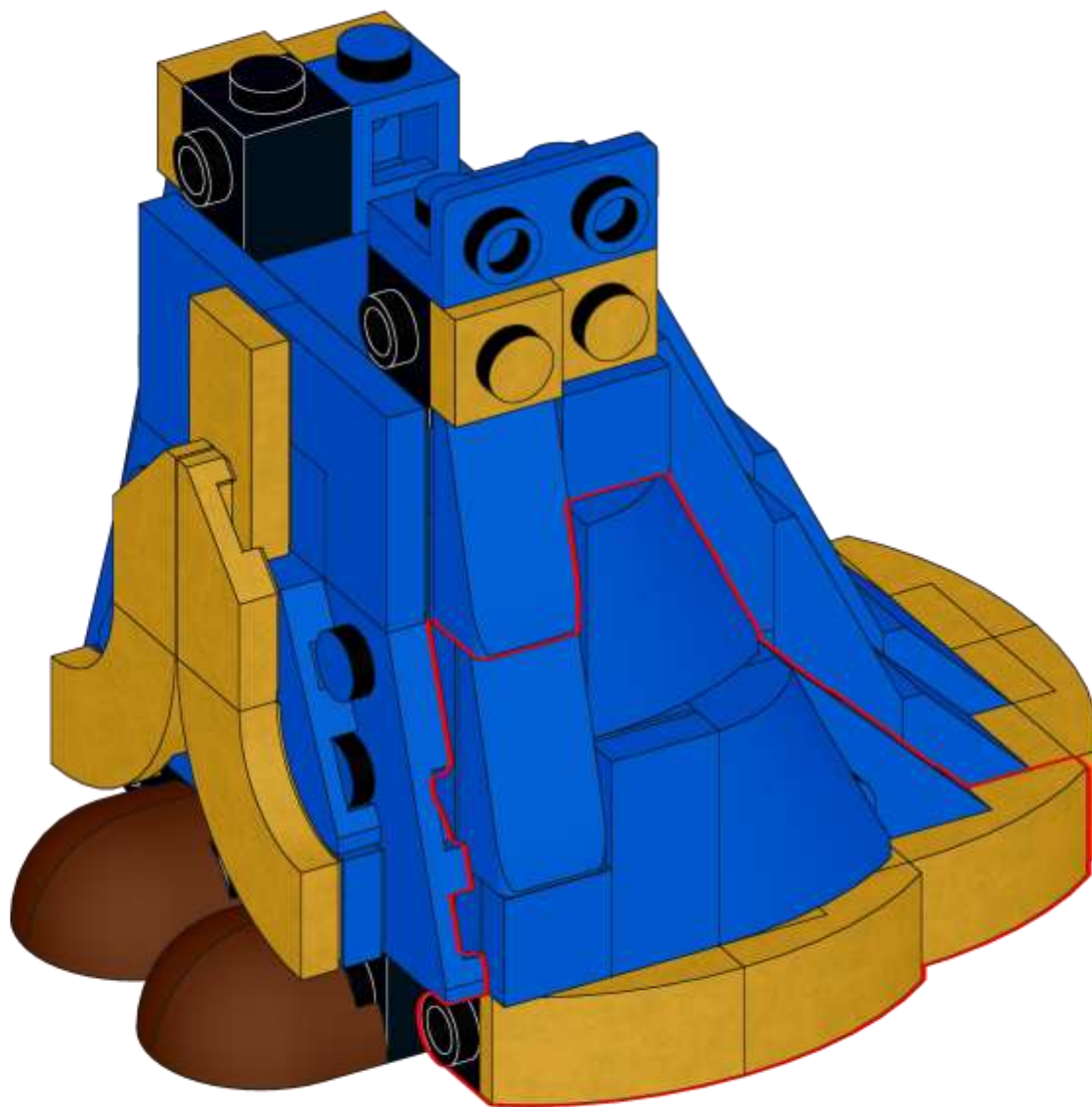
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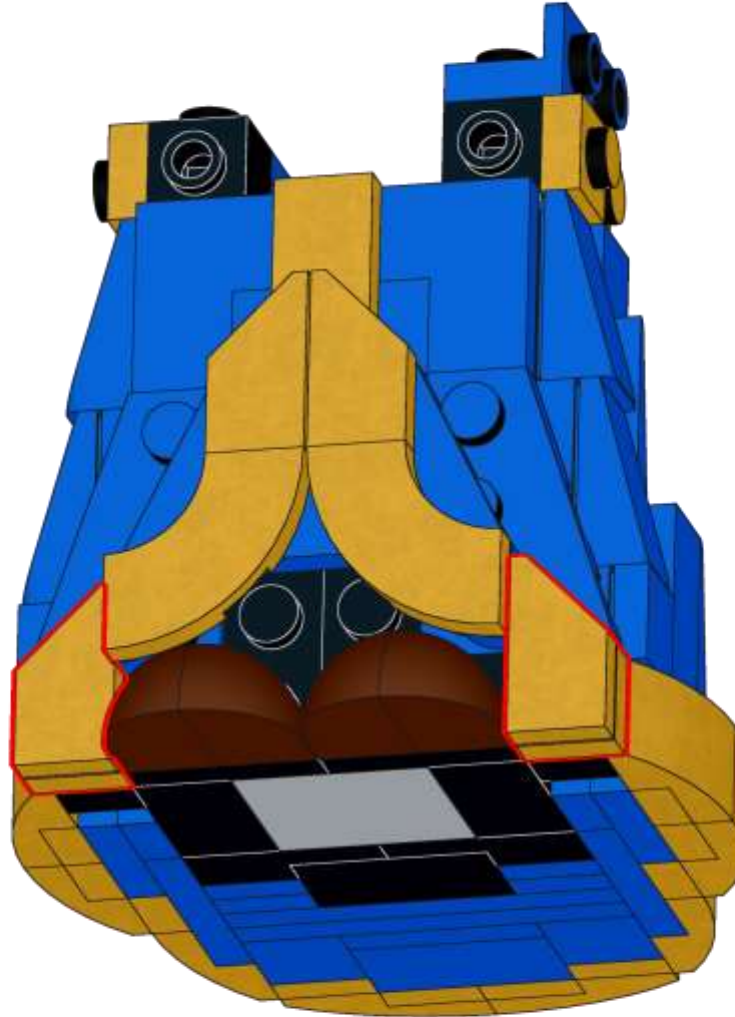
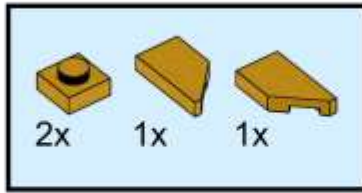
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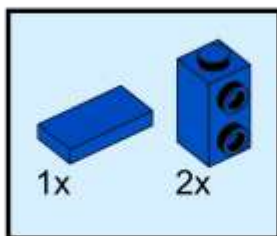
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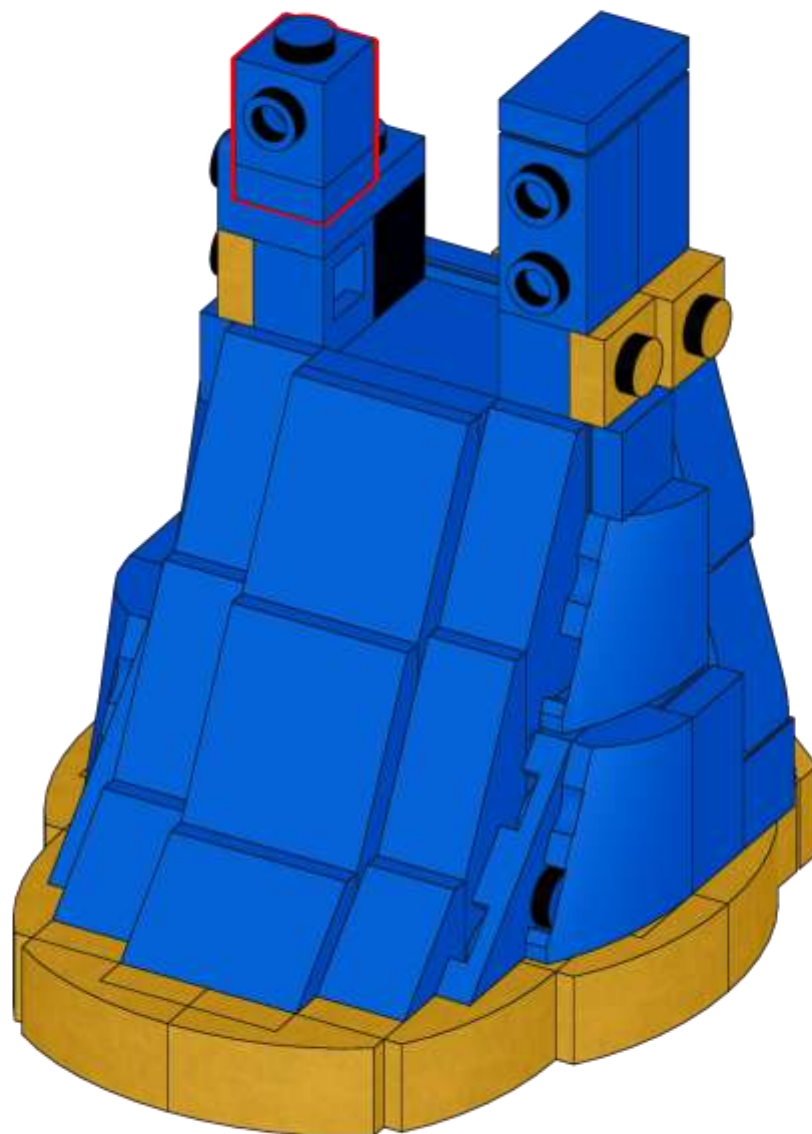
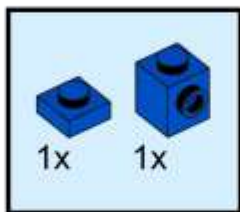
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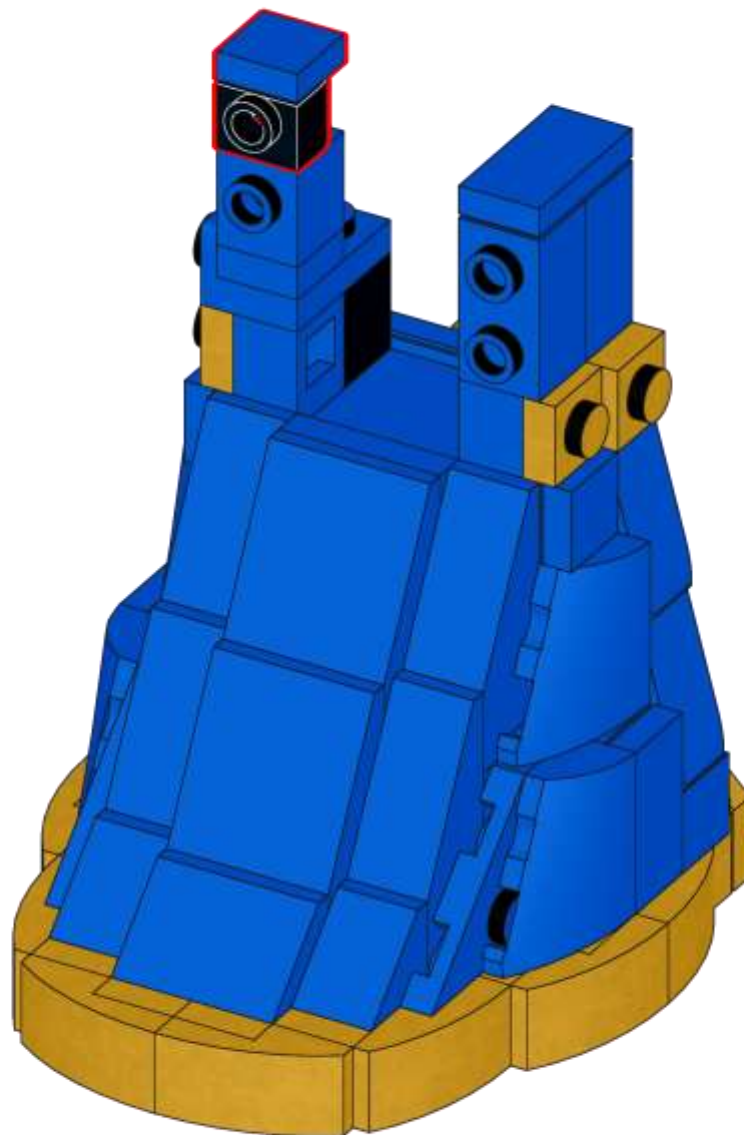
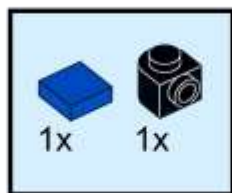
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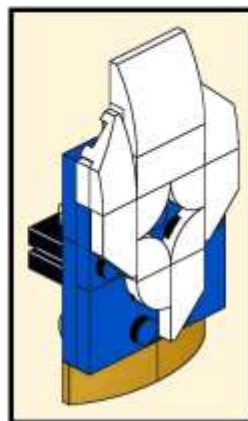
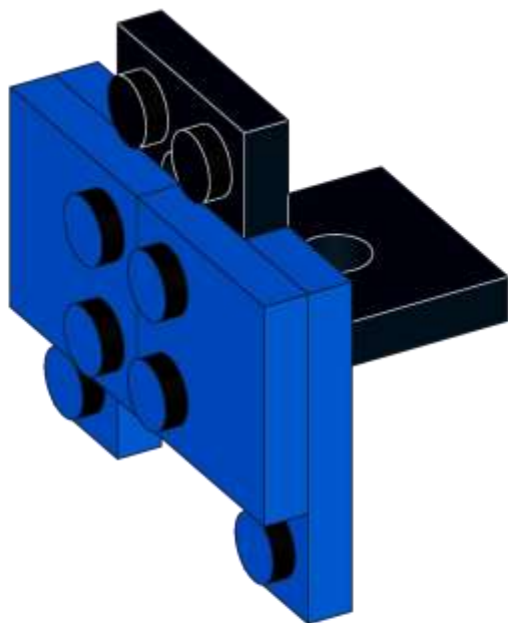
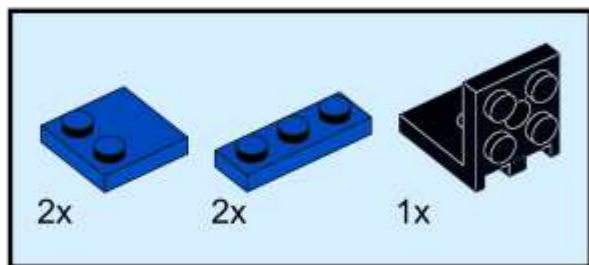
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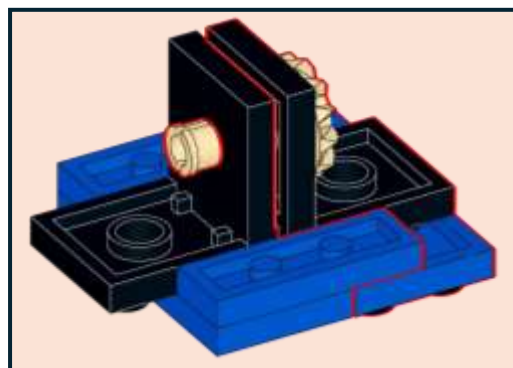
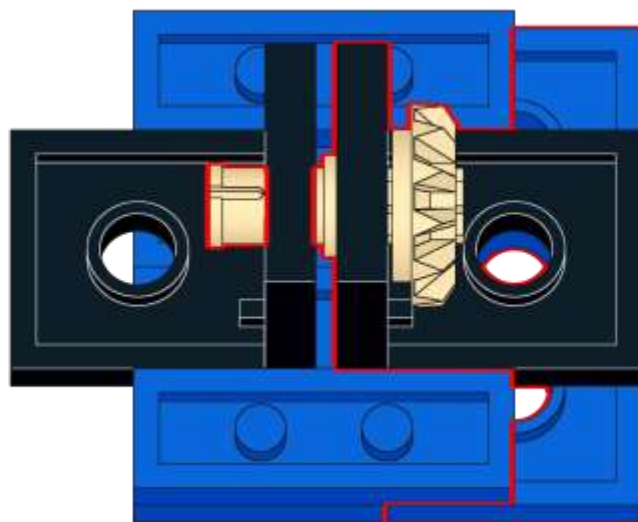
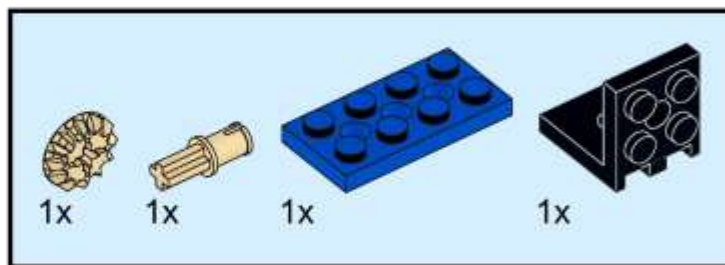
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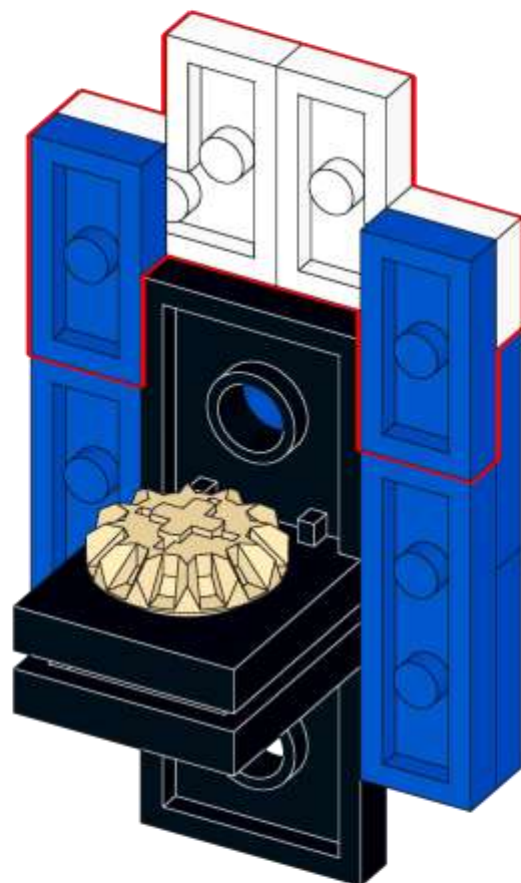
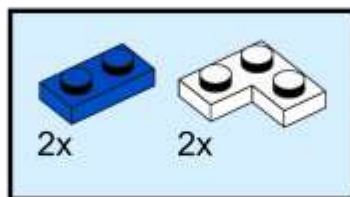
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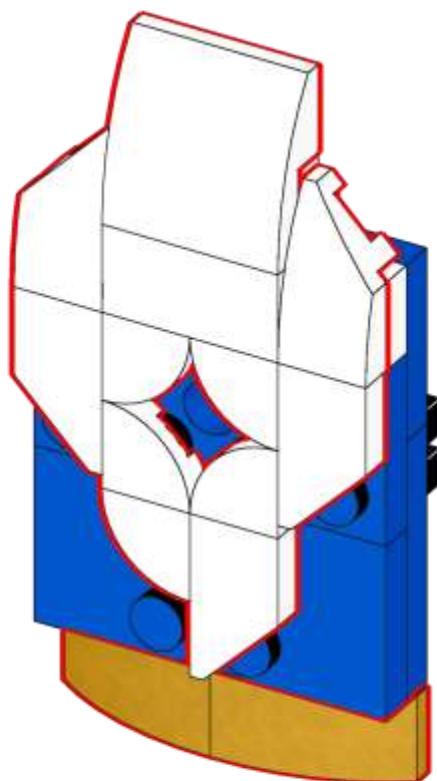
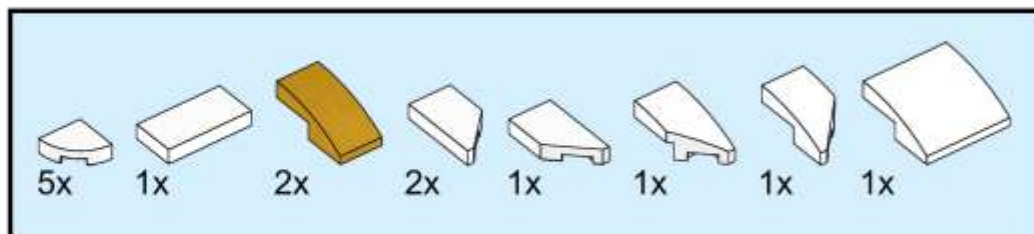
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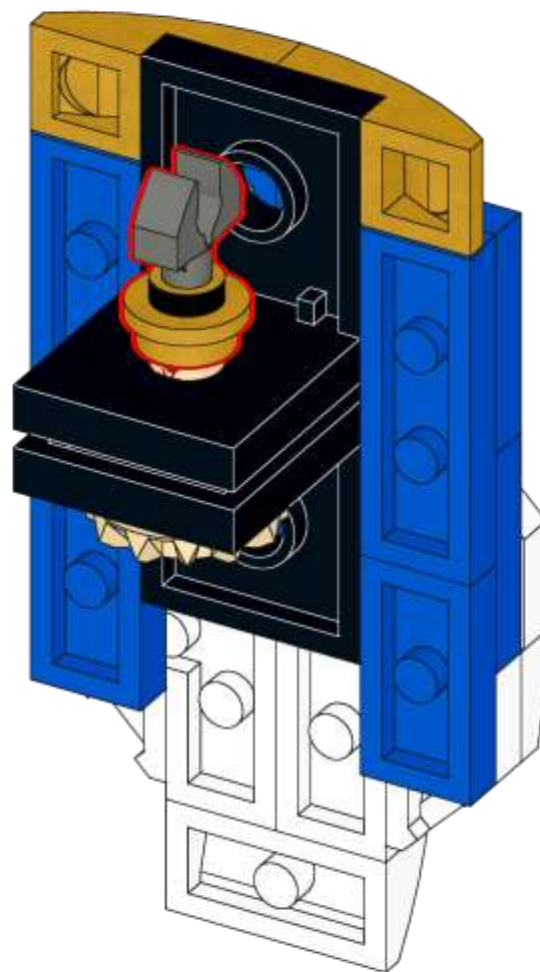
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35



36



37



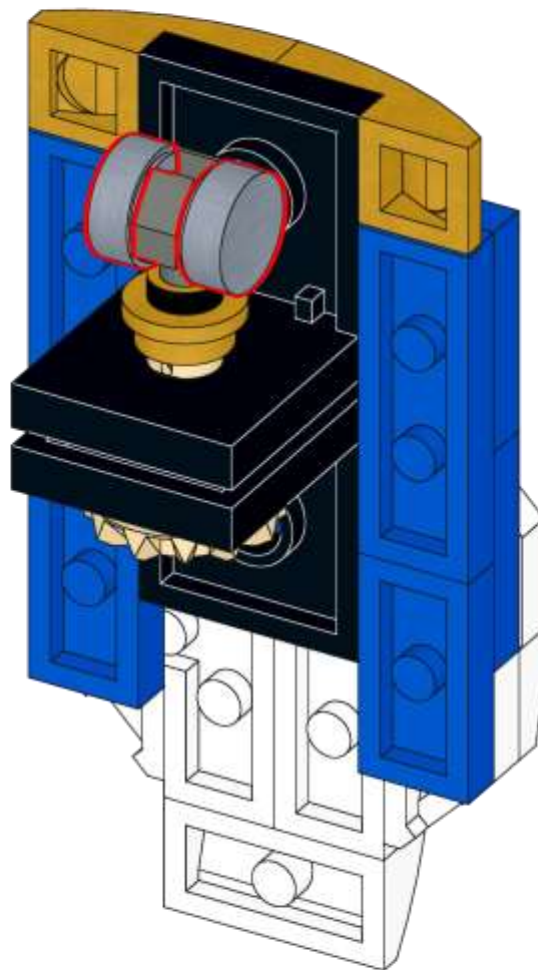
2 Magnets



TEST



Check if the magnets are perfectly centered by turning the gear on the other side while looking at the magnets from above.

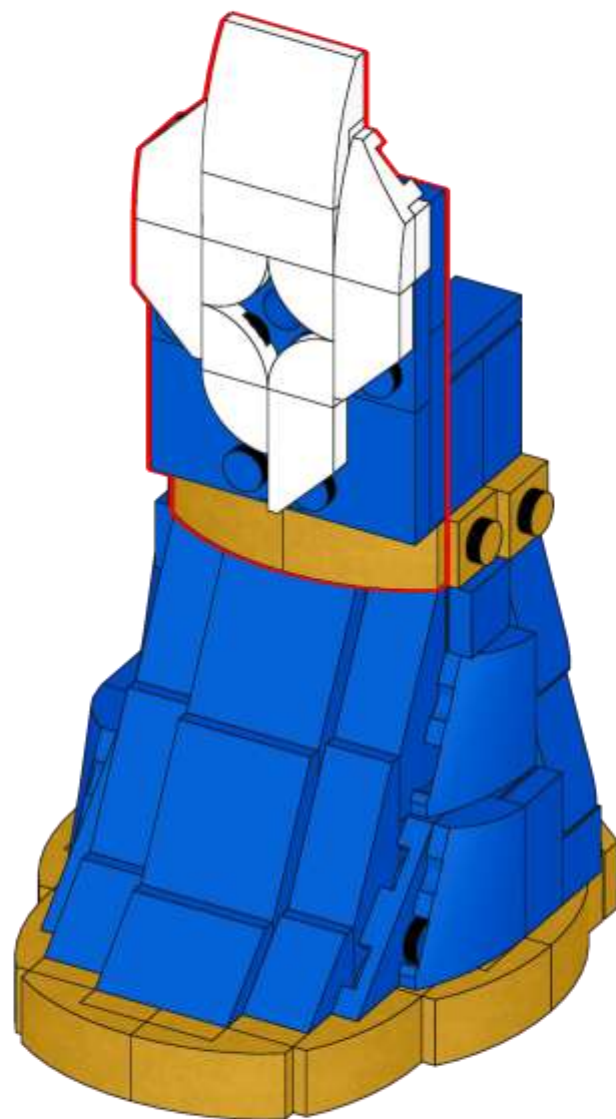


BE CAREFUL!

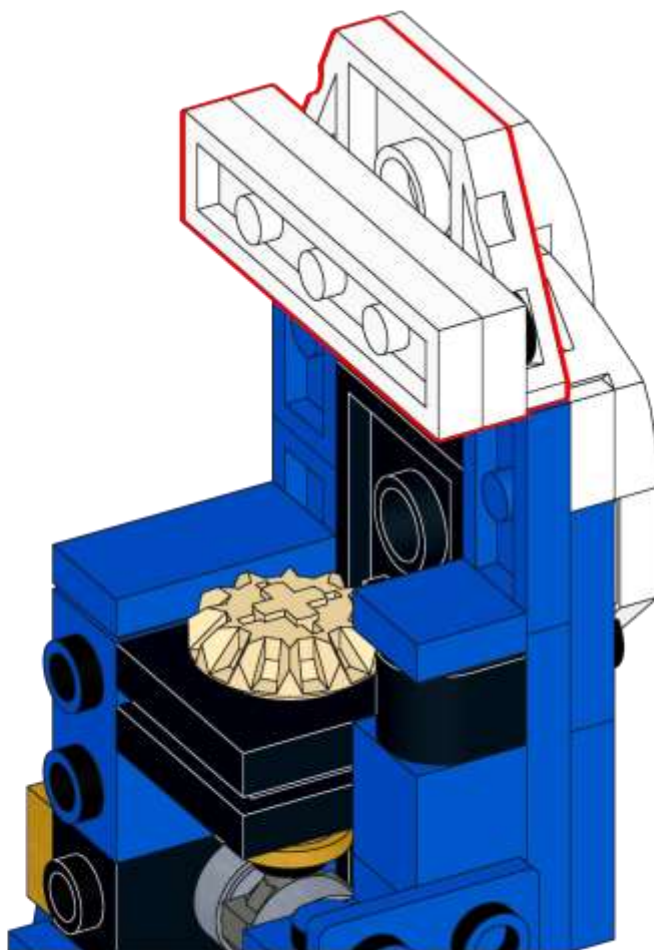
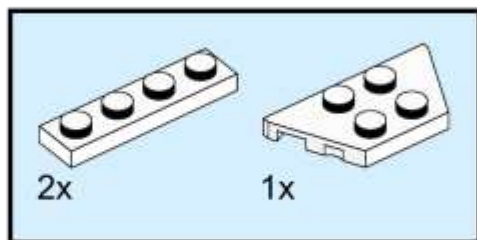
Lay the build on a table and hold a magnet in each hand. Put one against the clip, then carefully put the other one on the other side.

Also make sure no metal parts or other magnets are close by.

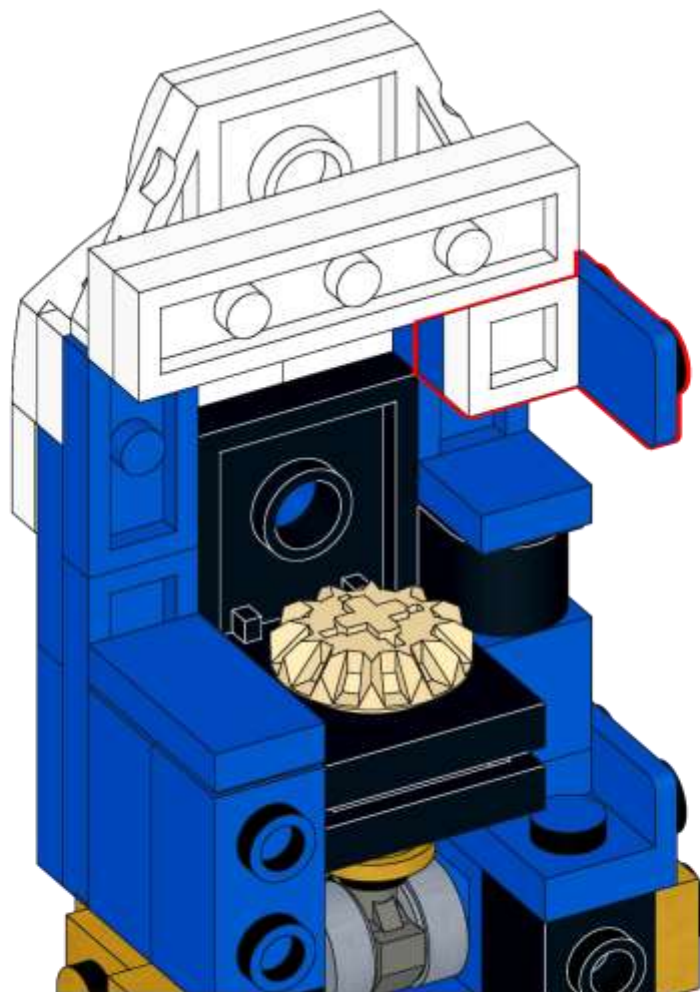
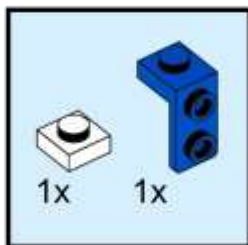
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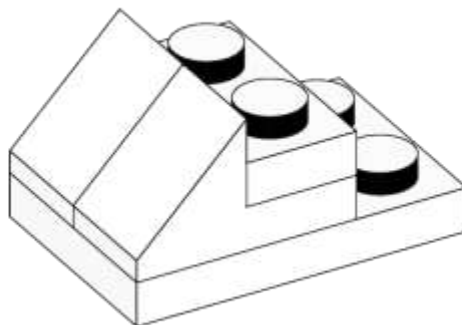
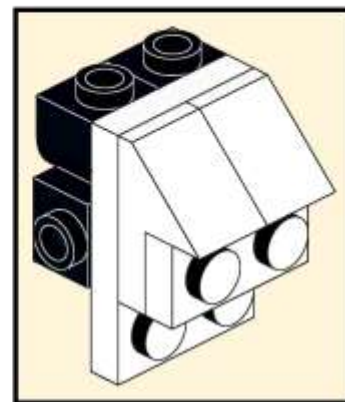
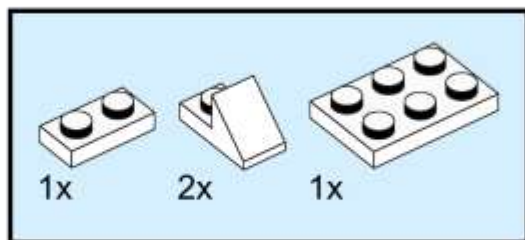
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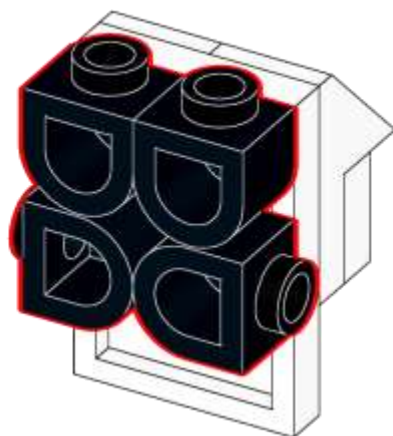
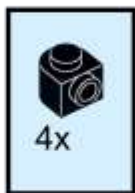
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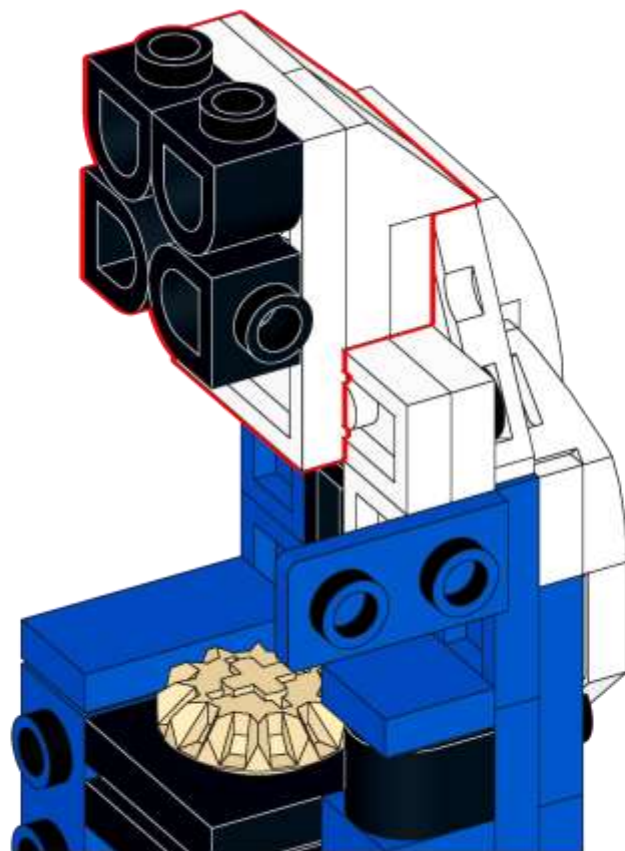
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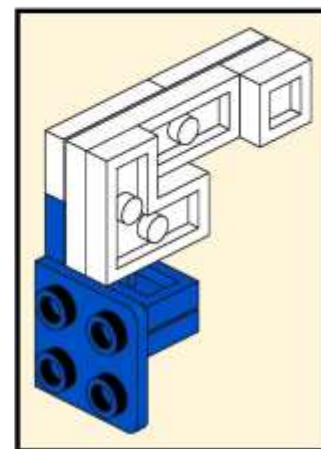
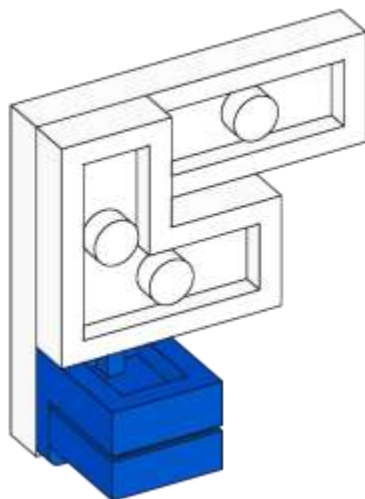
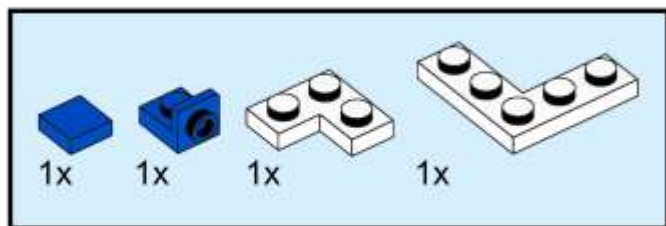
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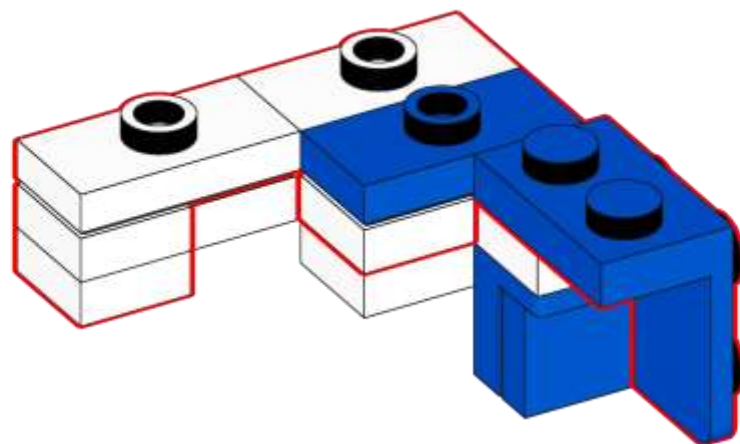
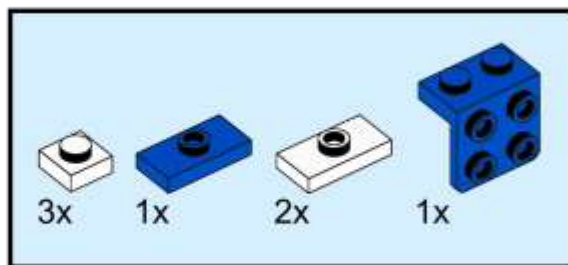
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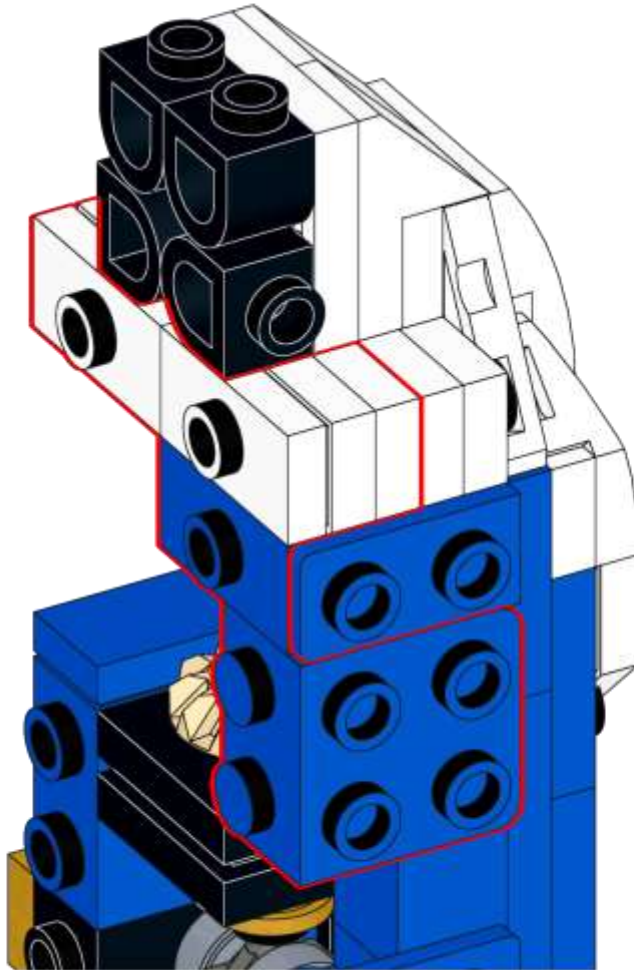
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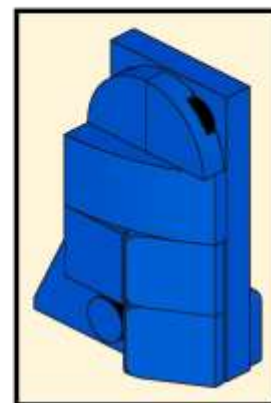
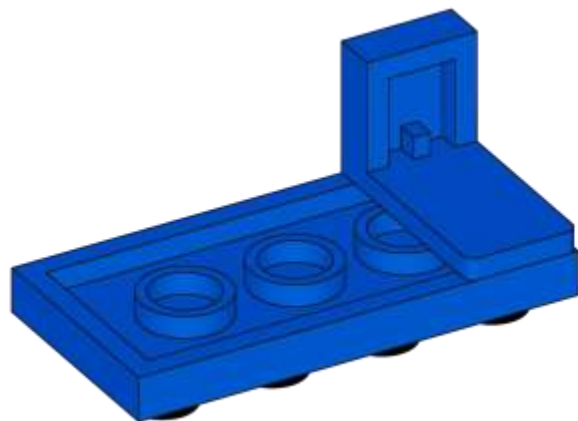
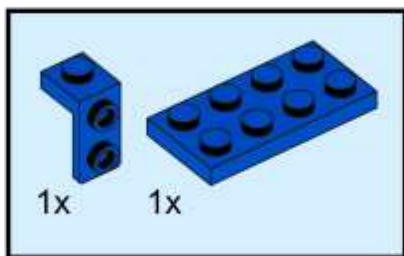
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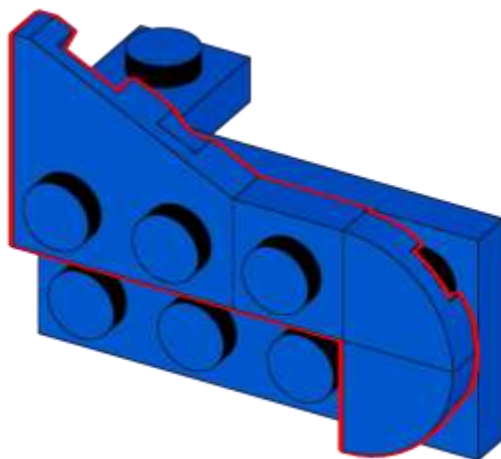
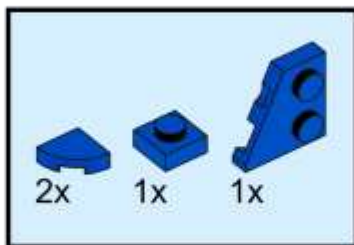
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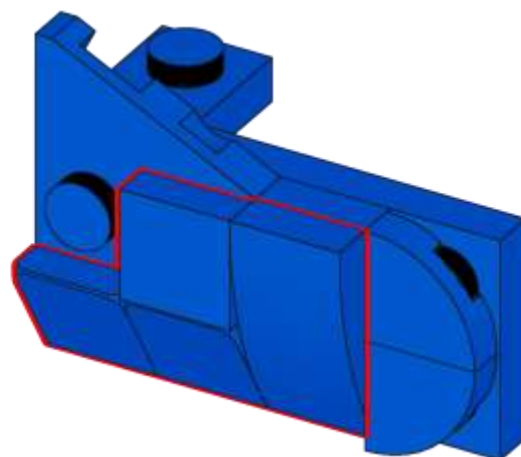
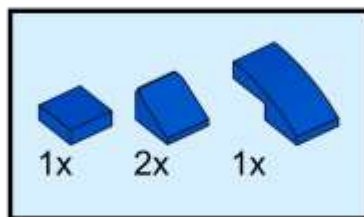
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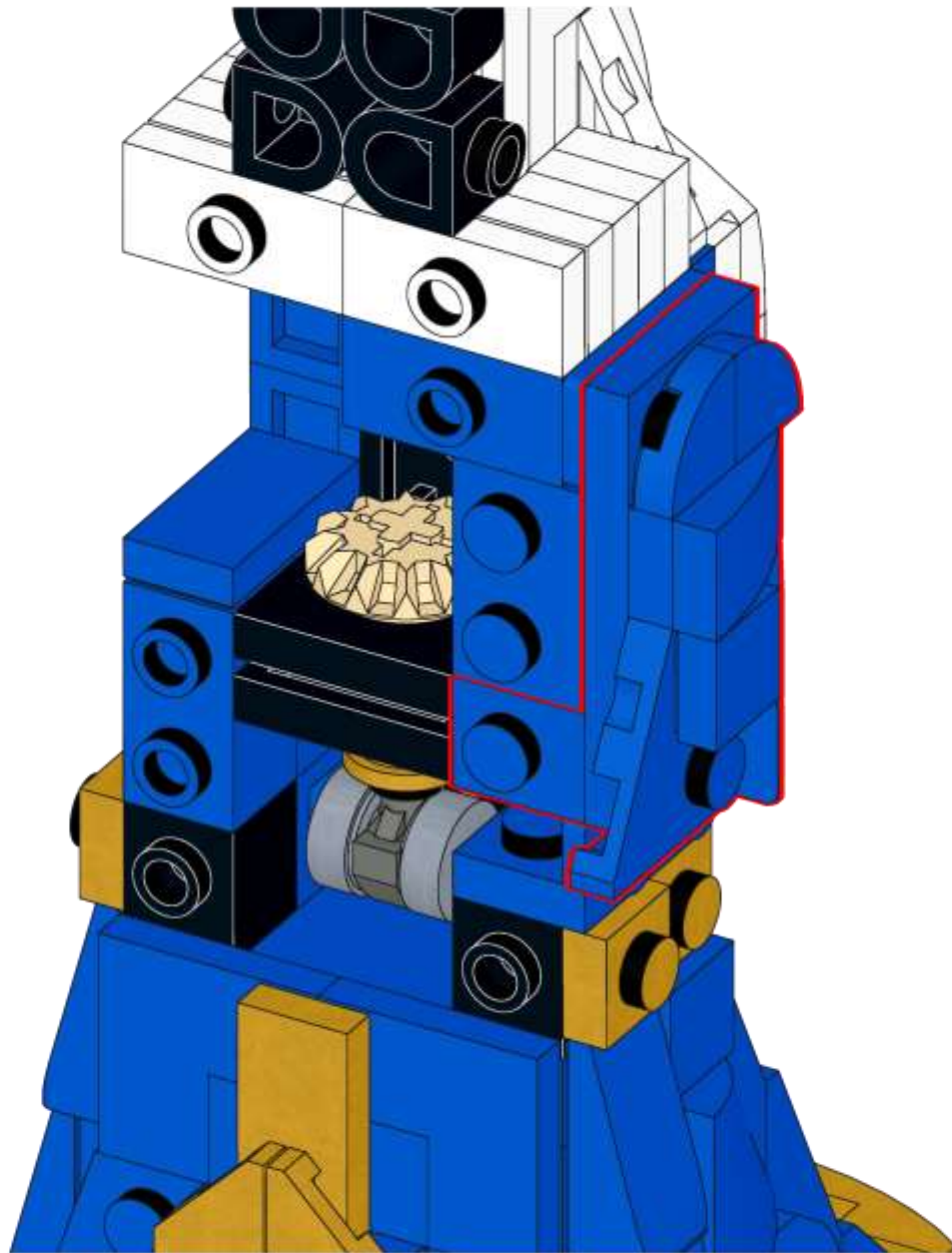
48



49



50





How did a crystal ball become a magic 8 ball?

In 1946, a “magic” predicting device using a D20 die floating in dark liquid was invented by Albert C. Carter. In 1948, it was turned into a crystal ball, but that product failed. However, it caught the attention of Brunswick Billiards, which commissioned an 8-Ball version in 1950. This became a well-known toy.



Photo by [ChristianHeldt](#), public domain

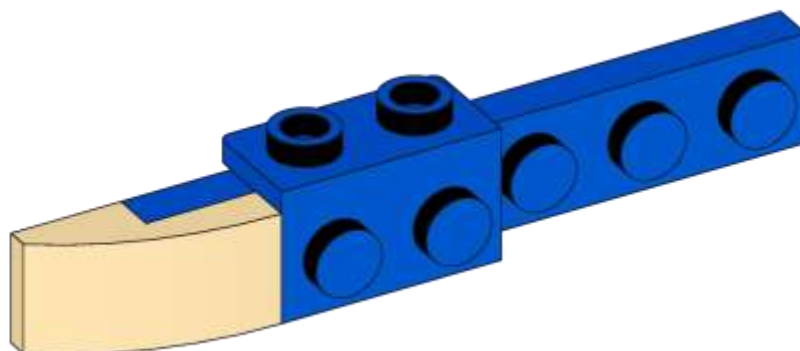
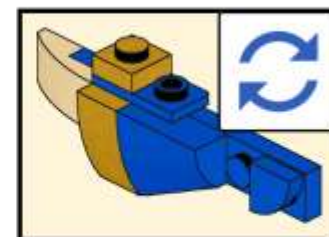
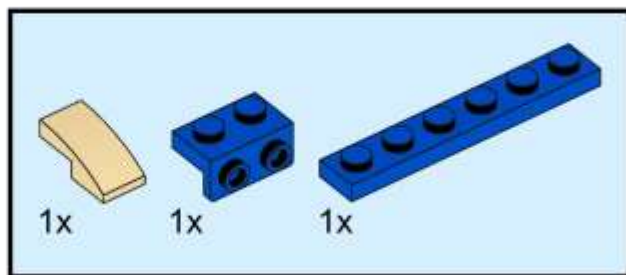
Read more on Wikipedia:



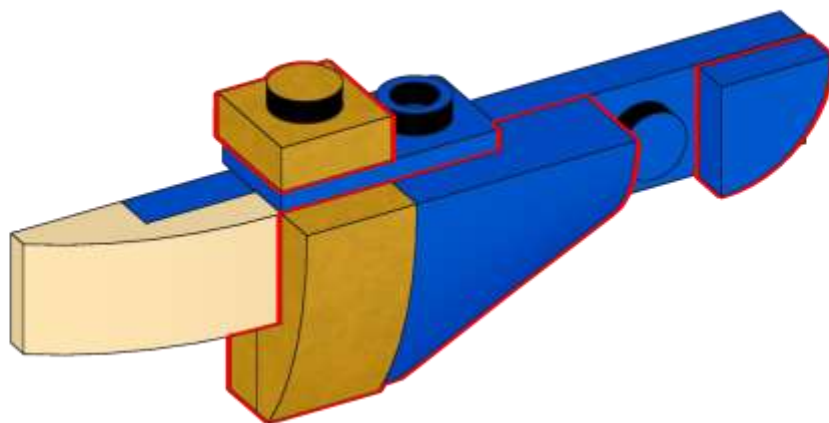
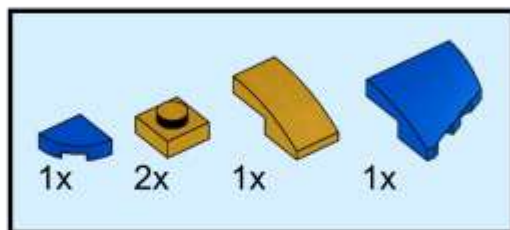
WIKIPEDIA
The Free Encyclopedia



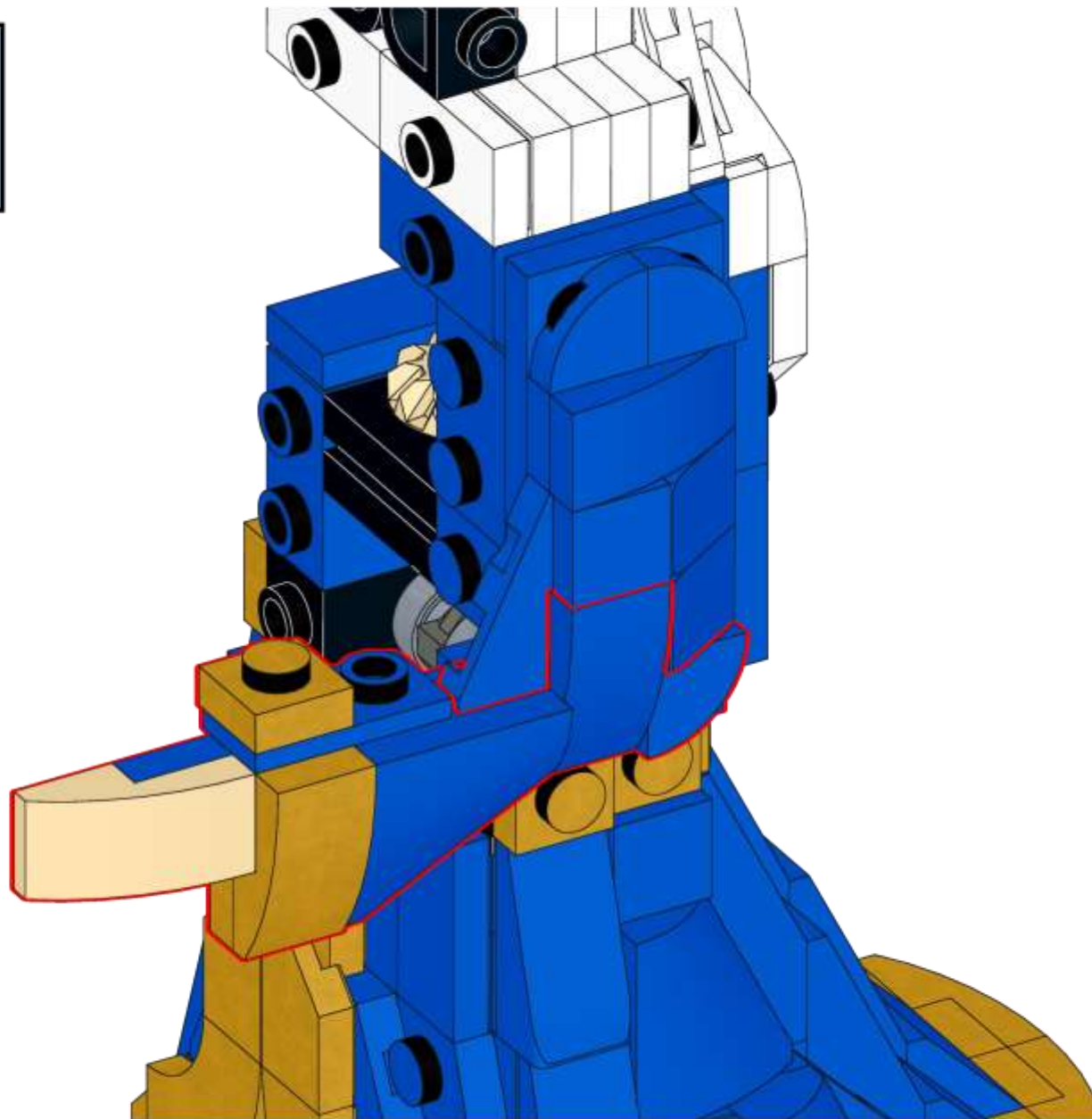
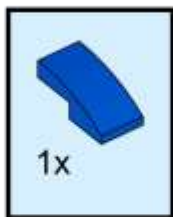
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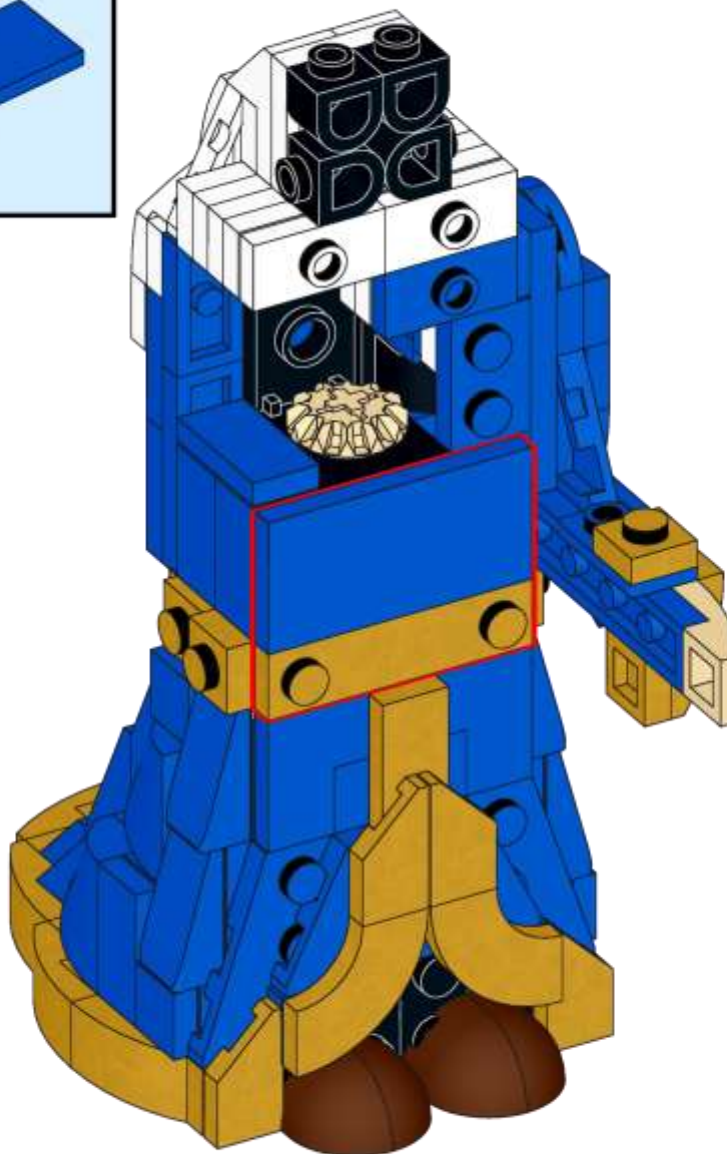
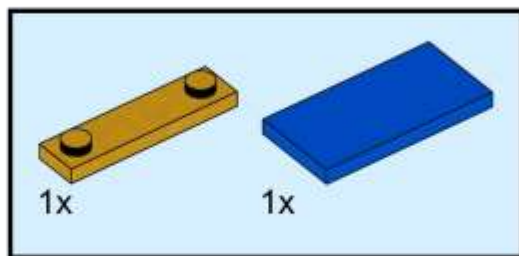
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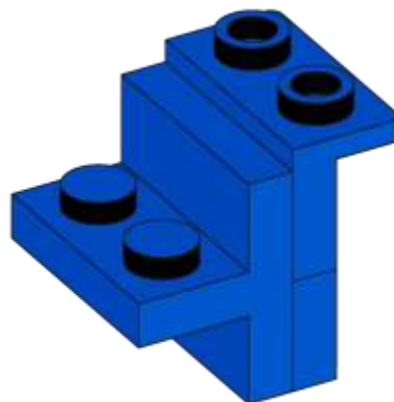
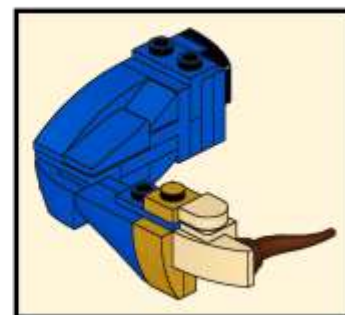
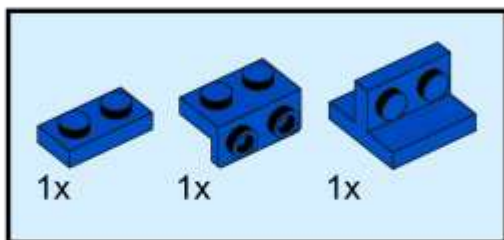
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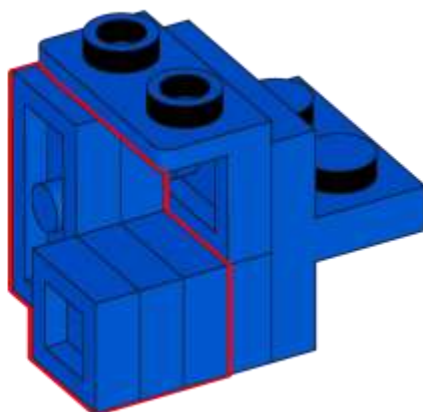
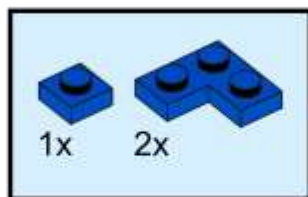
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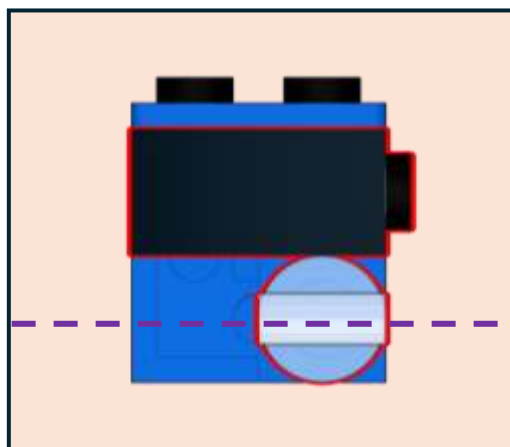
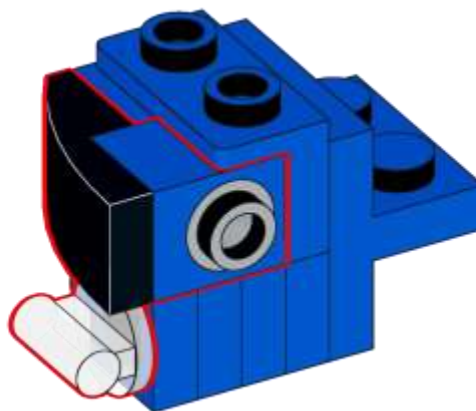
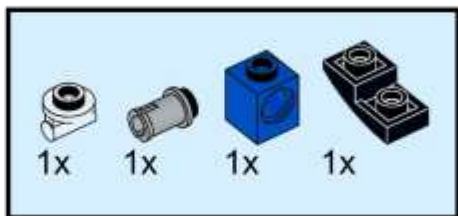
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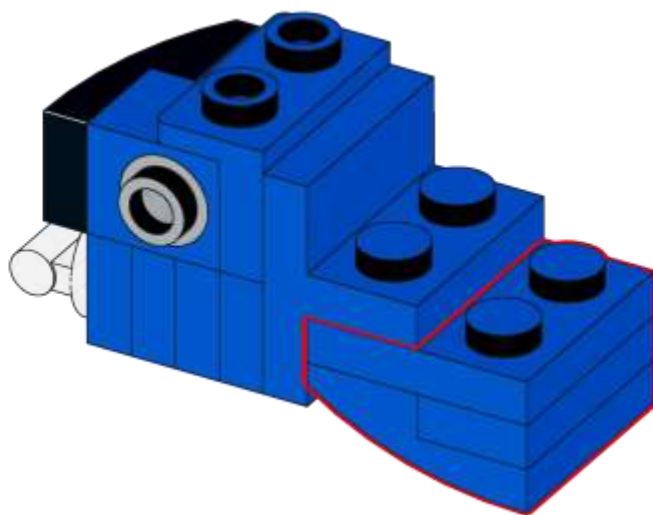
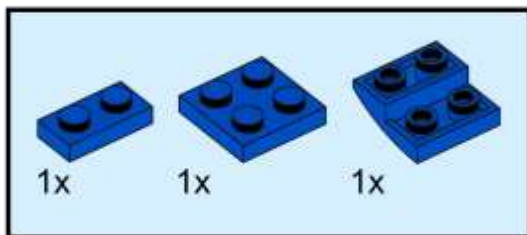


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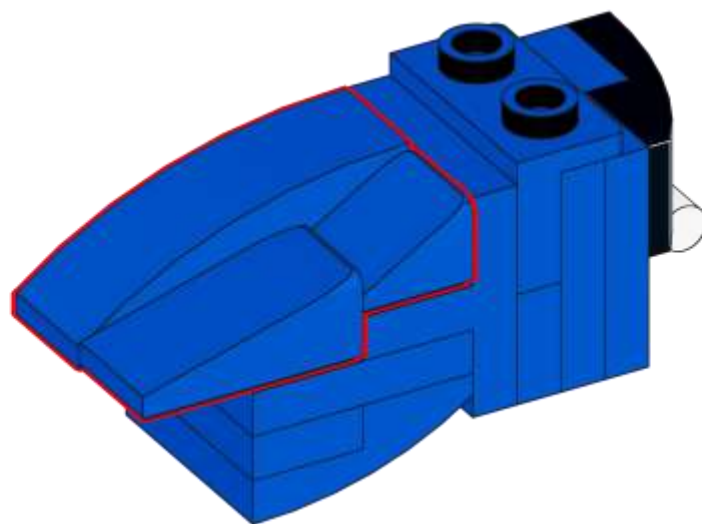
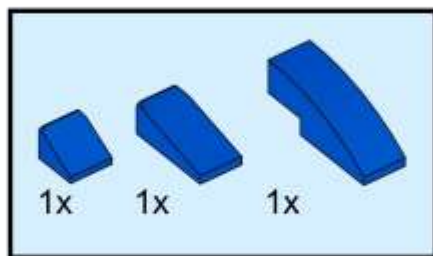


Make sure the transparent part is aligned like this, otherwise the arm will not move correctly.

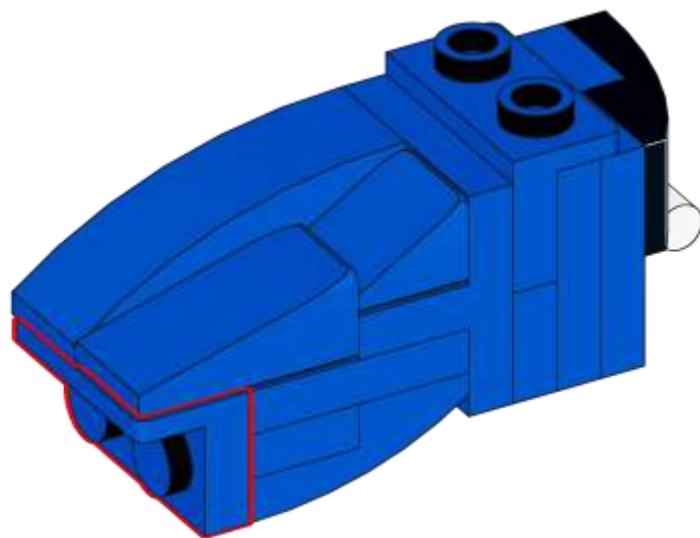
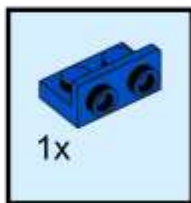
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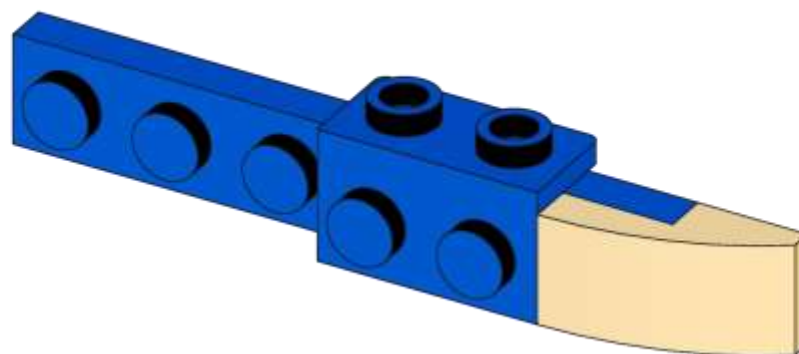
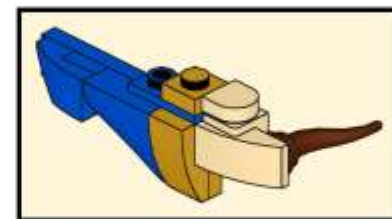
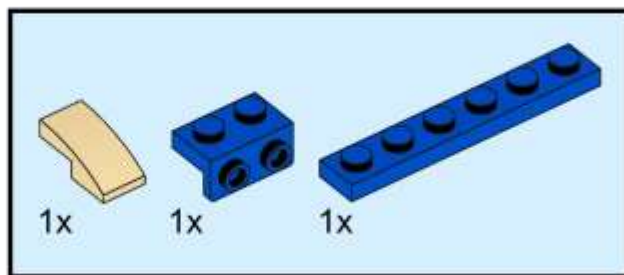
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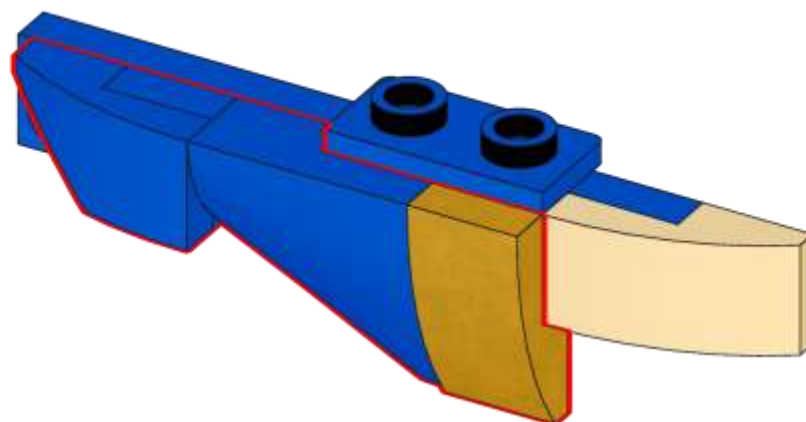
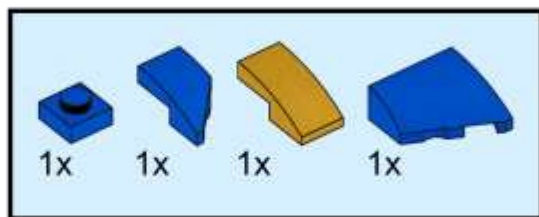
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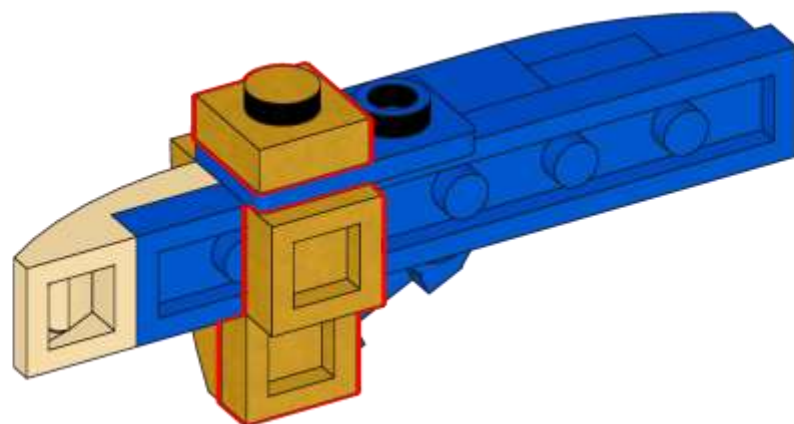
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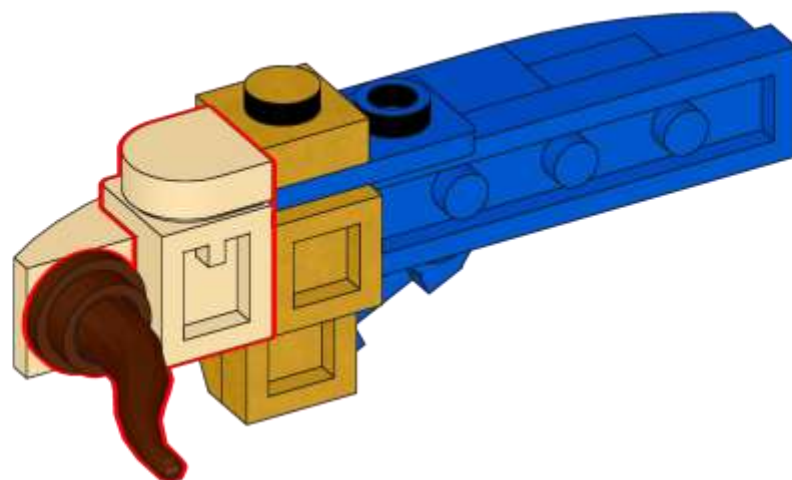
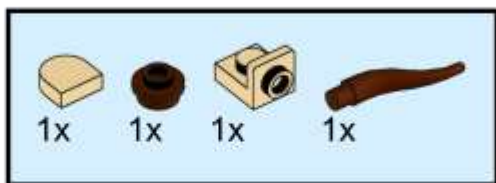
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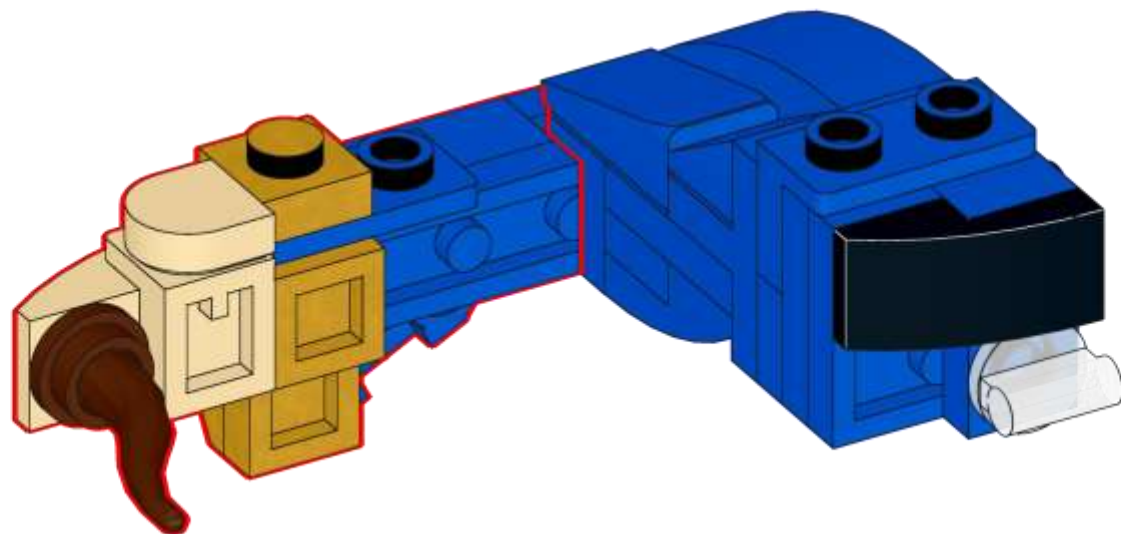
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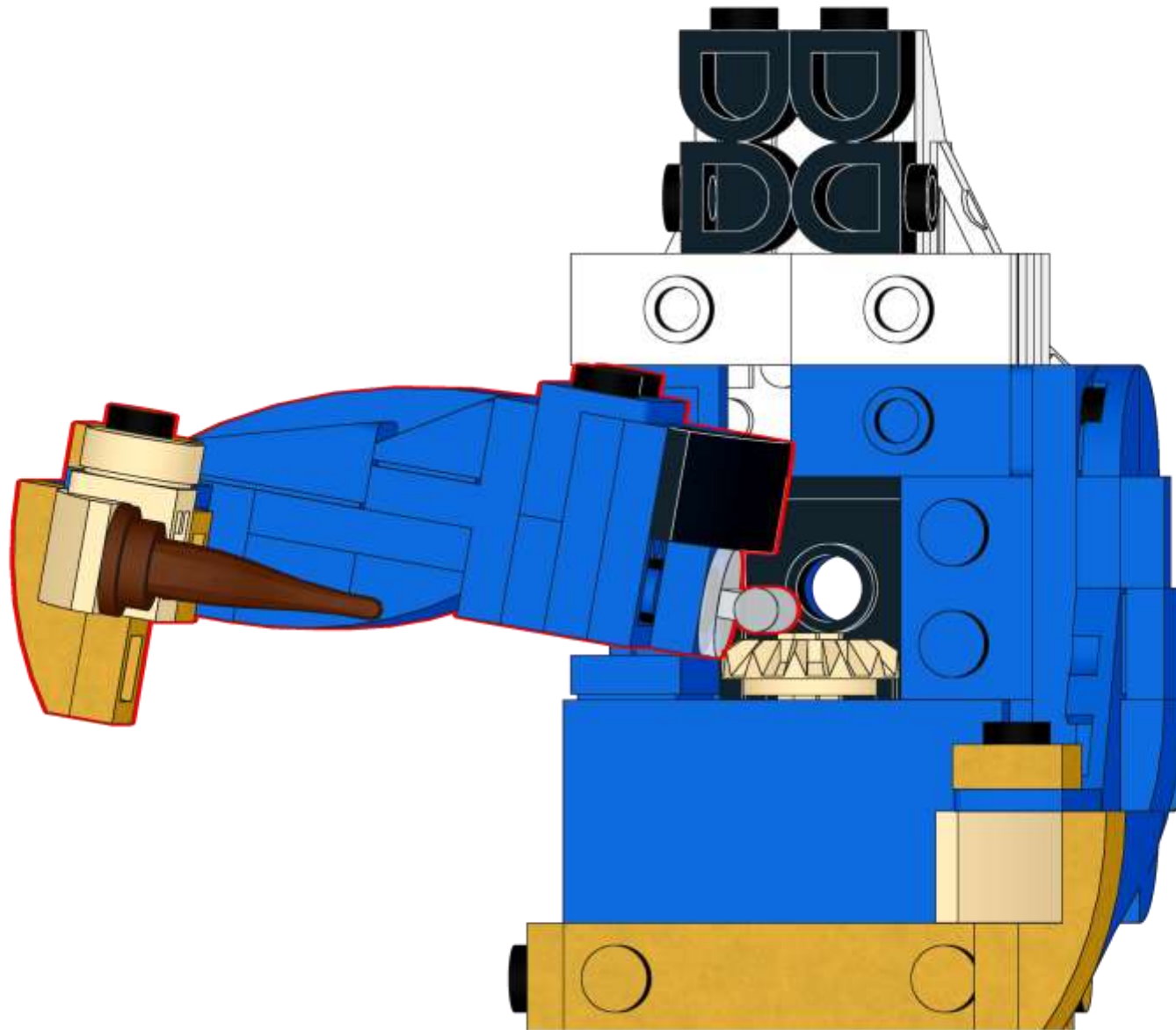
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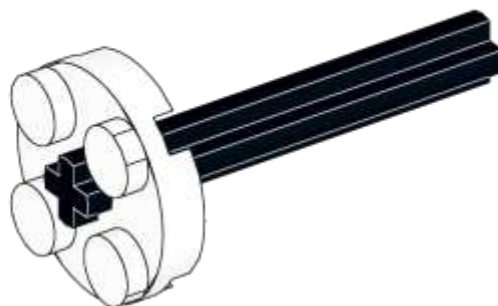
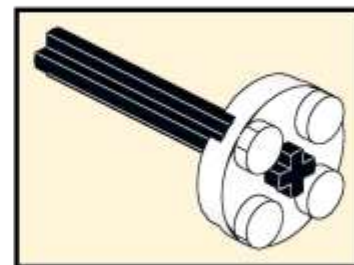
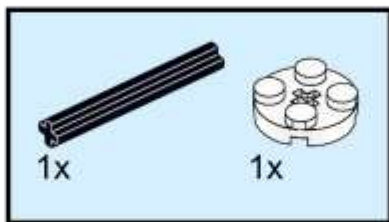
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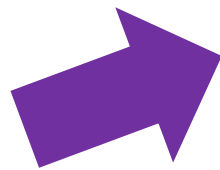
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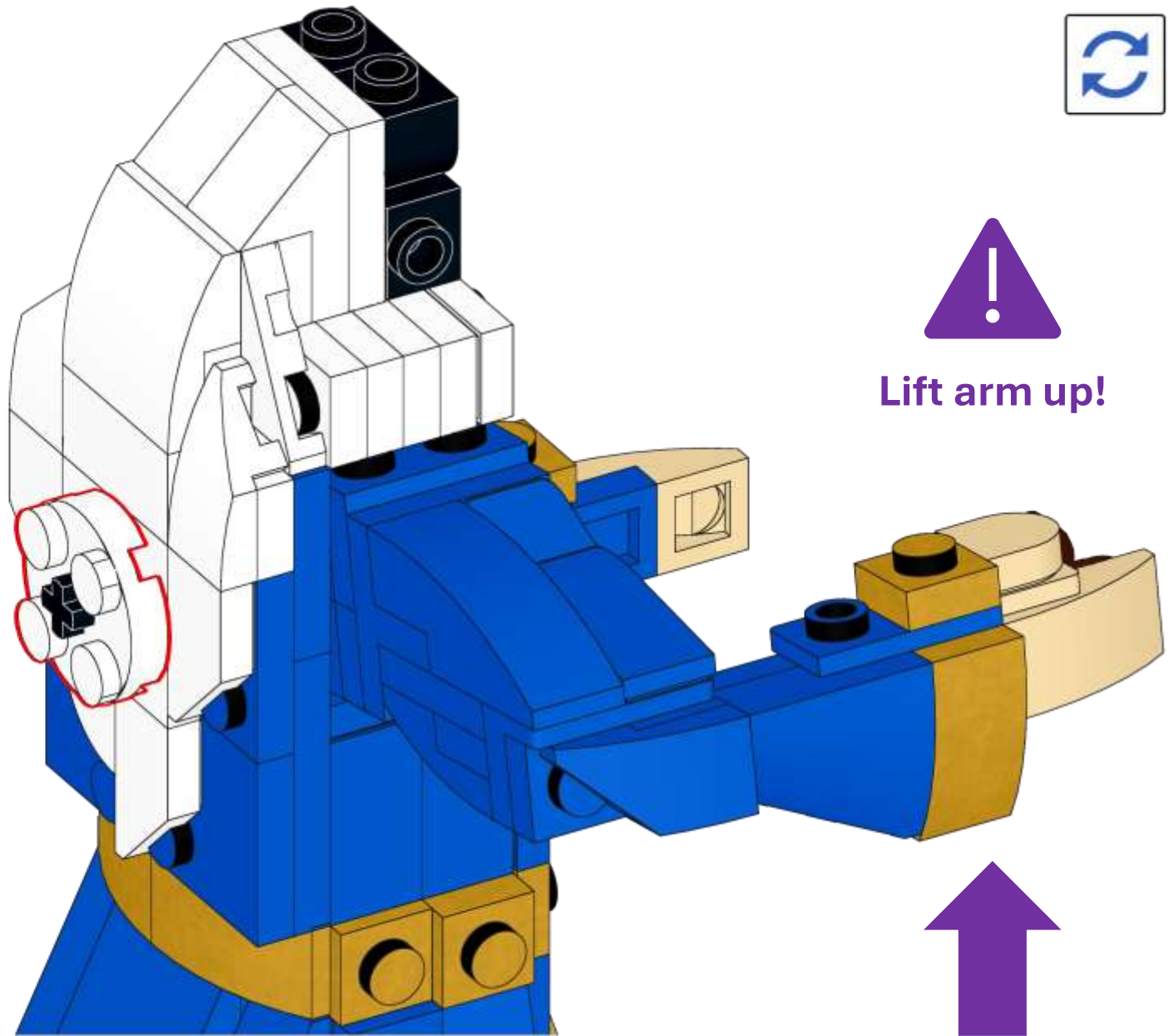
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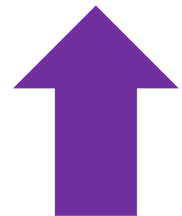
68



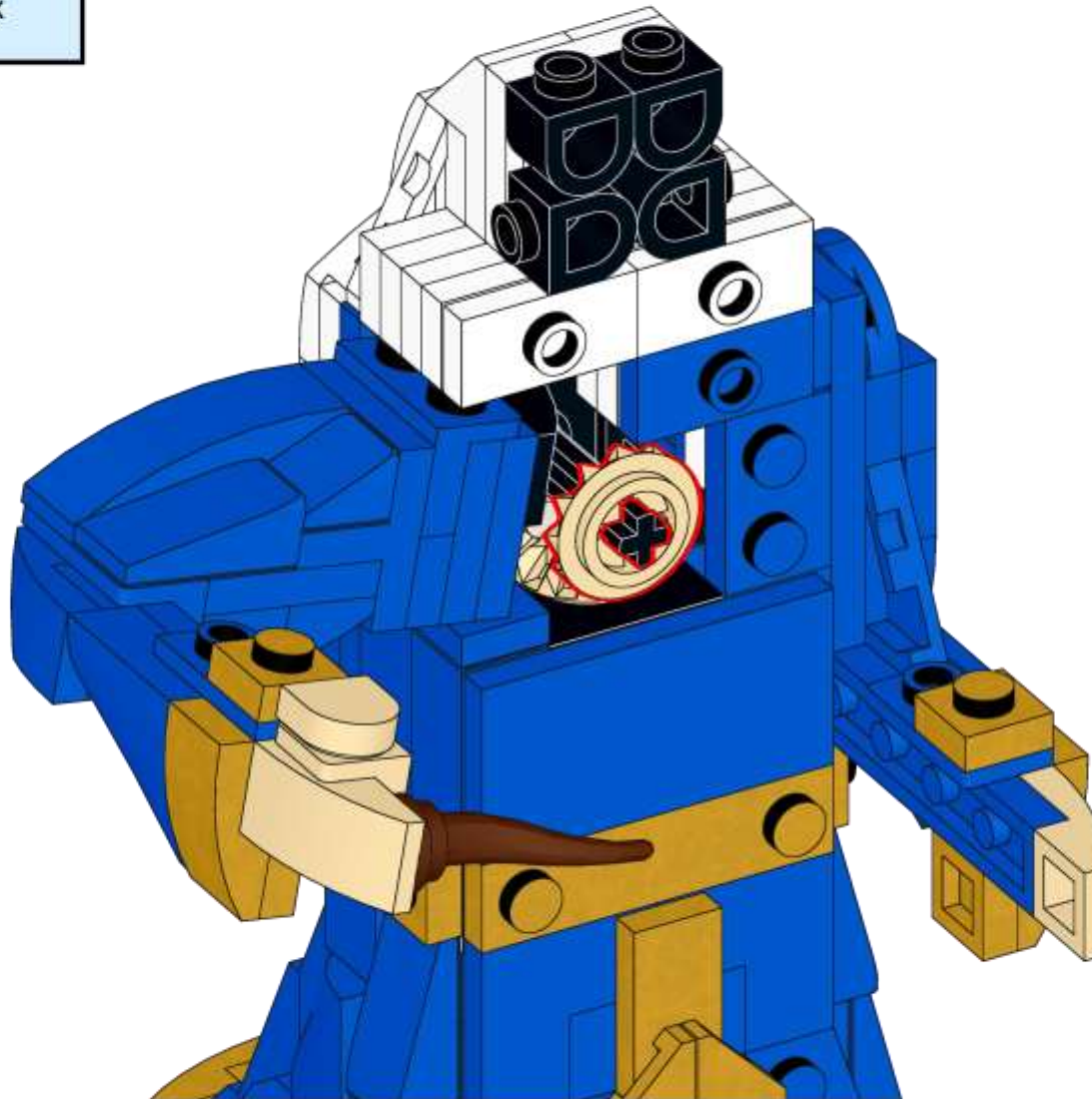
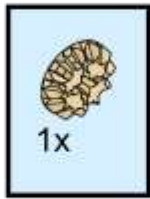
insert



Lift arm up!

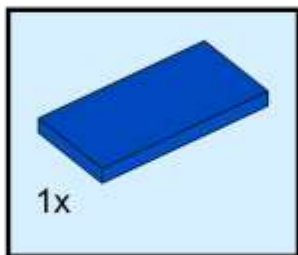


69

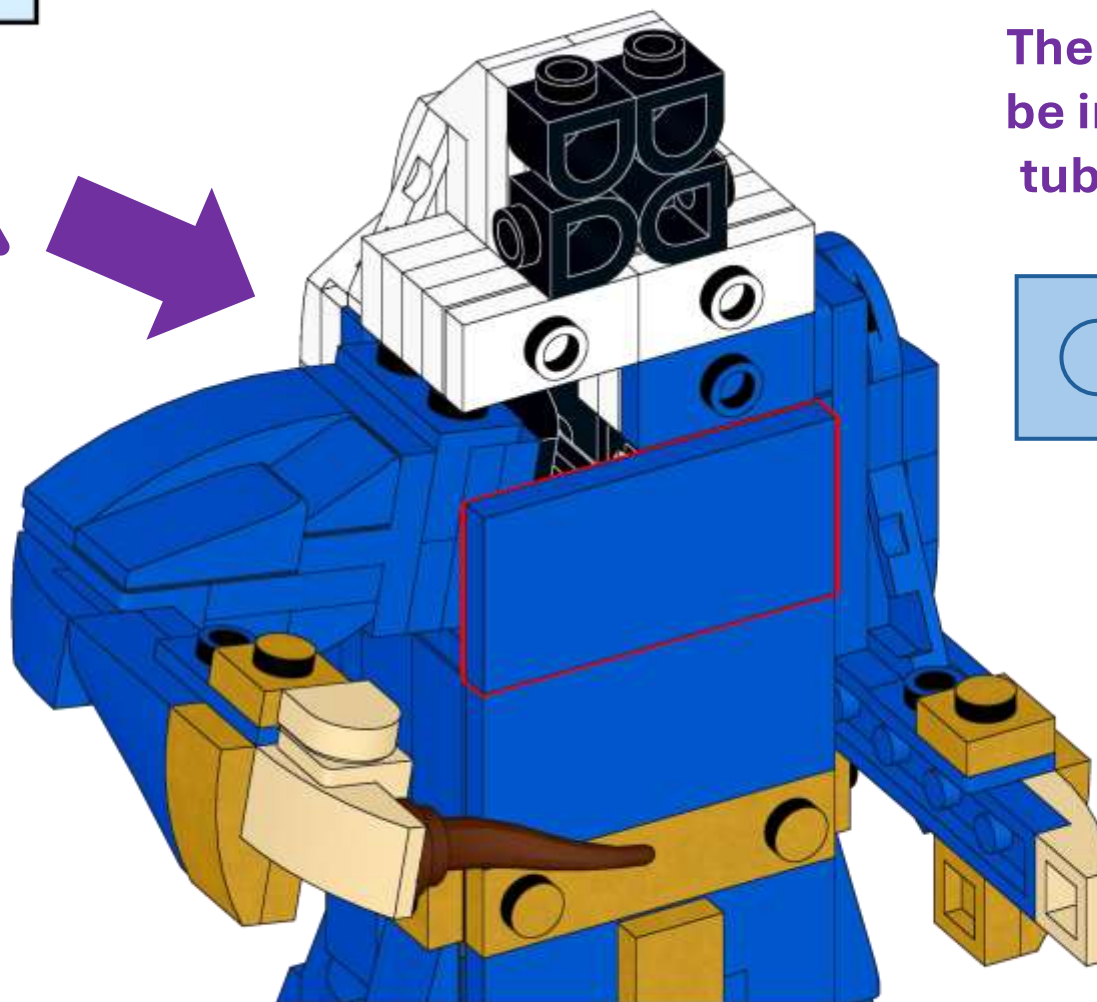
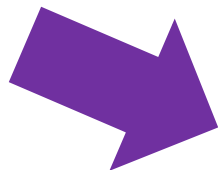


**Axle needs to
Stick out a bit!**

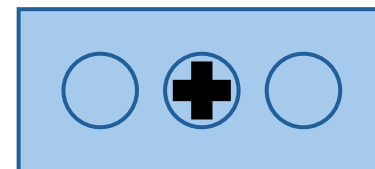
70



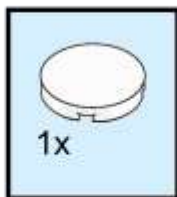
Test!



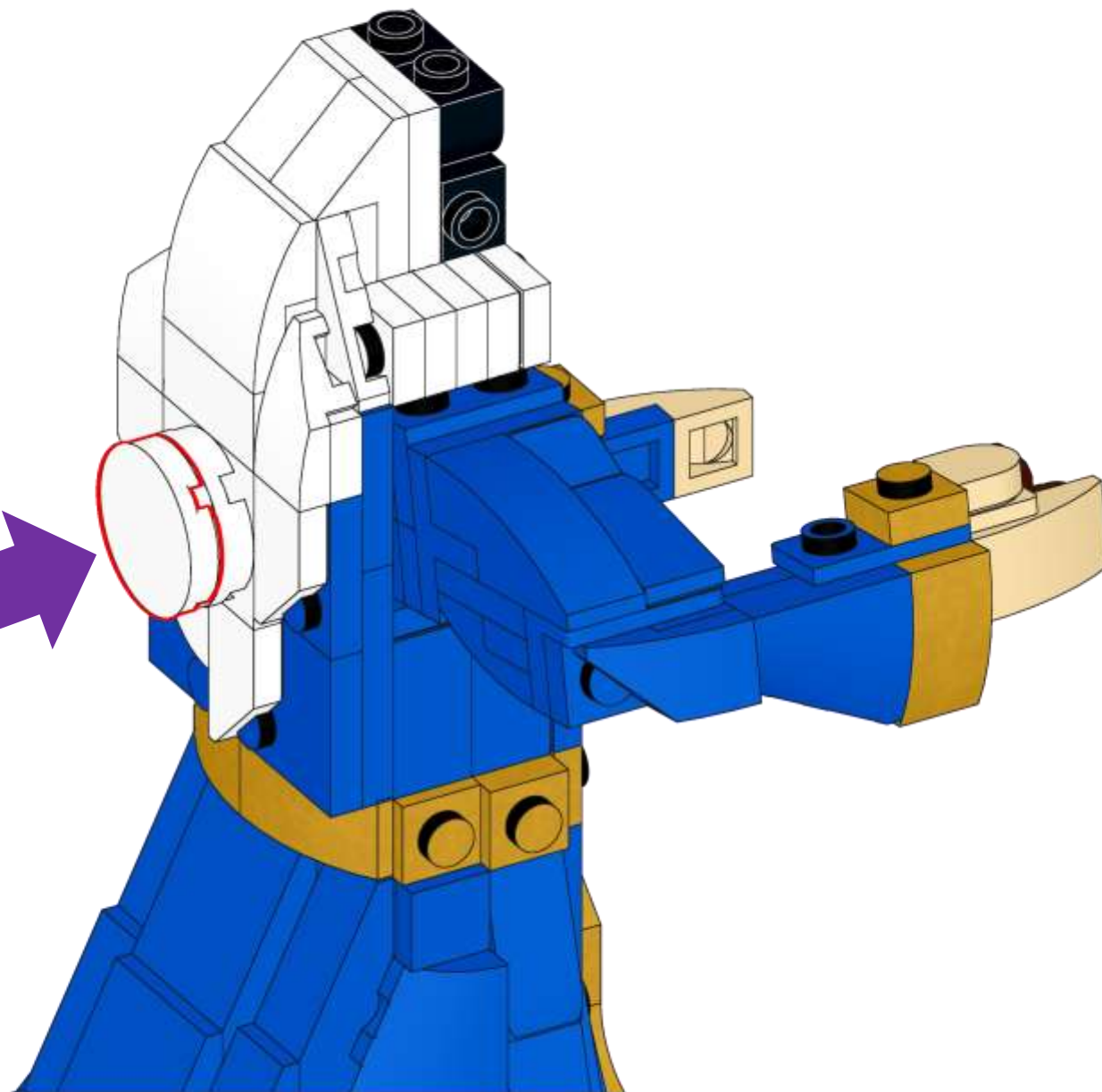
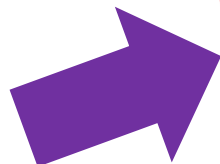
The axle need to be in the bottom tube of the tile!



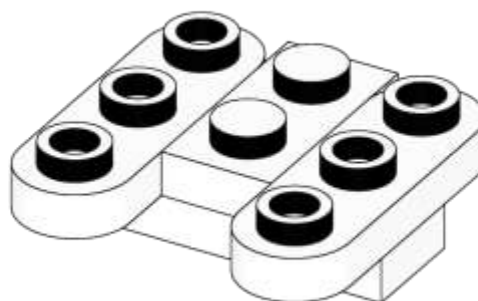
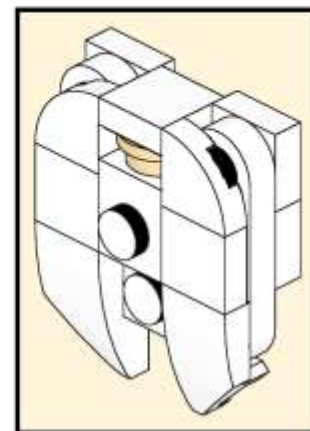
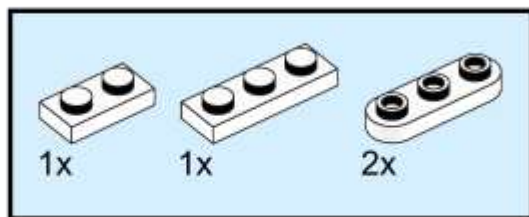
71



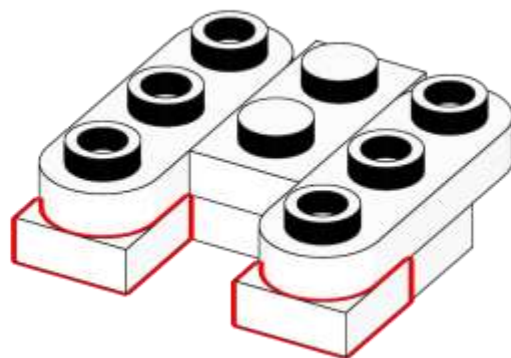
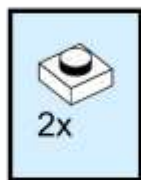
Test!



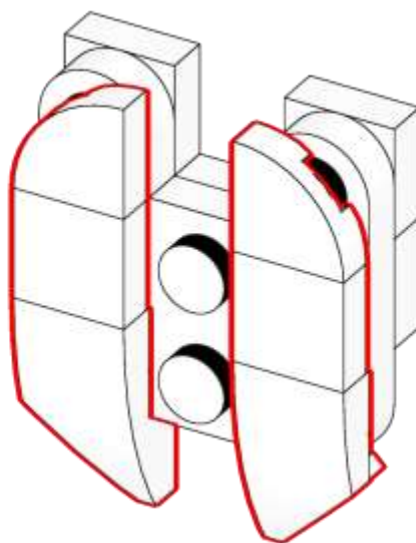
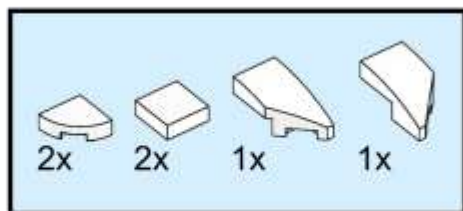
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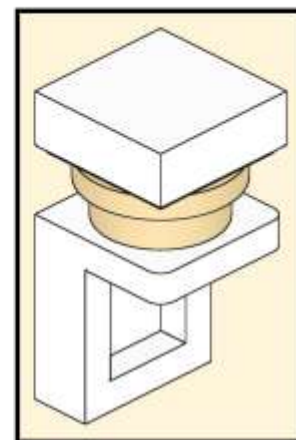
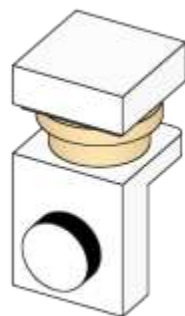
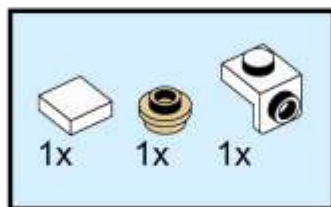
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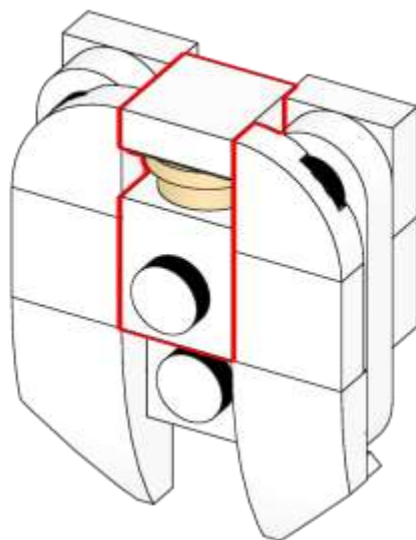
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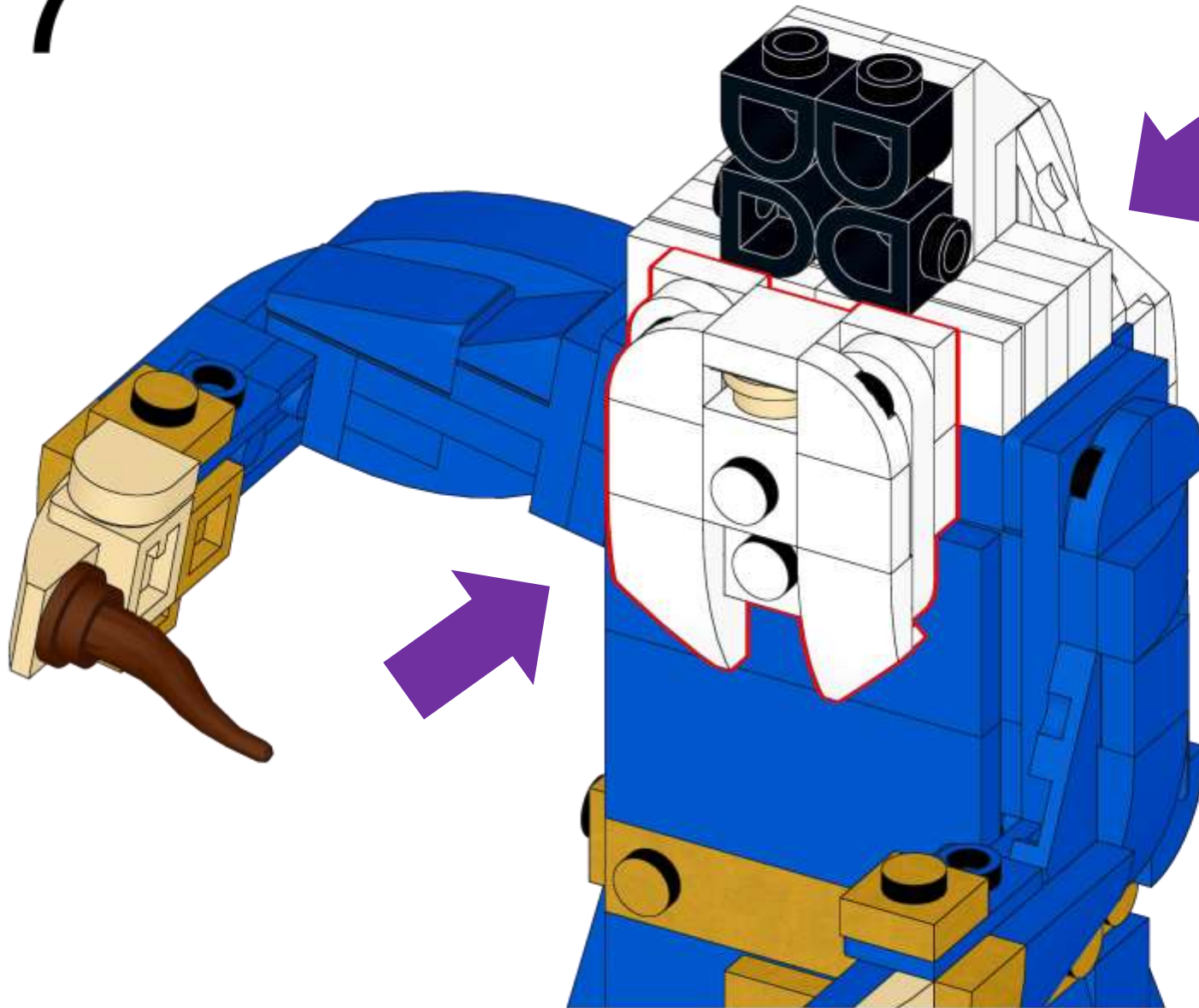
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76



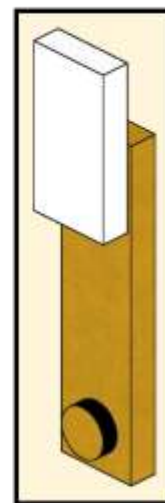
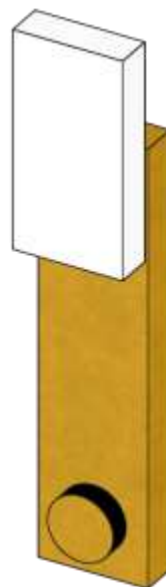
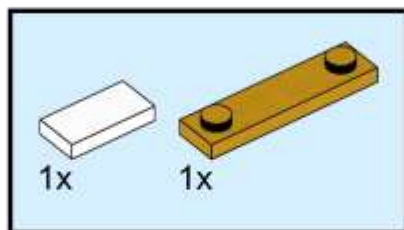
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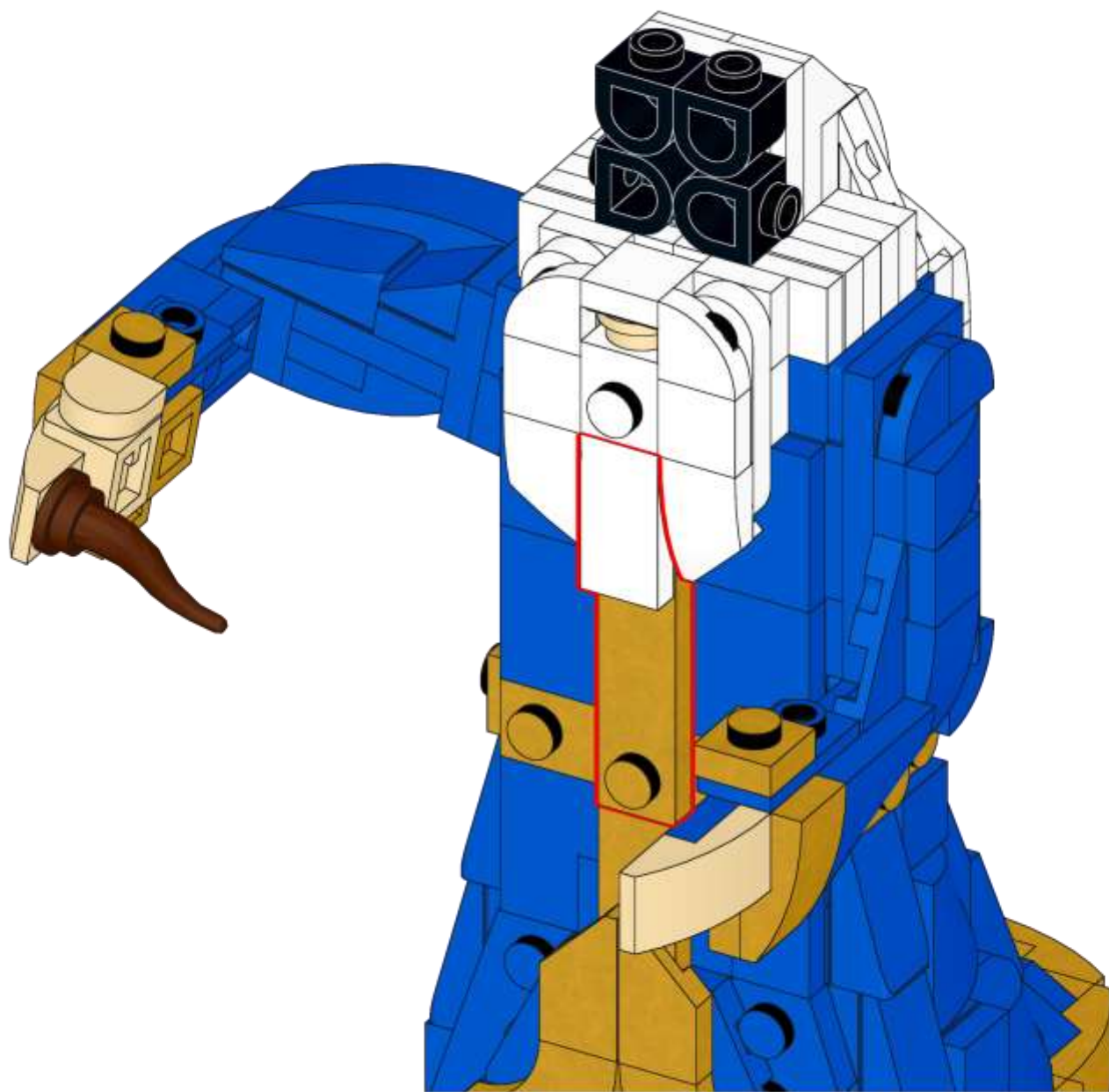
press!

Make sure there's
no gap between
the arm and the
front, otherwise
the arm will come
loose.

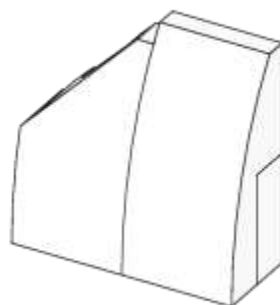
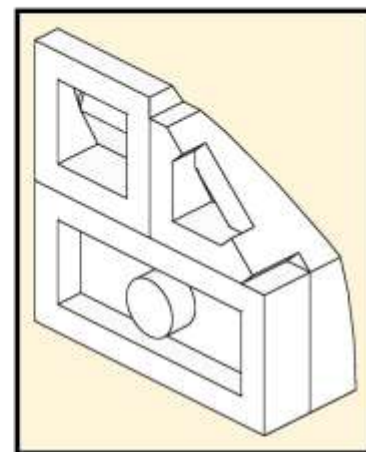
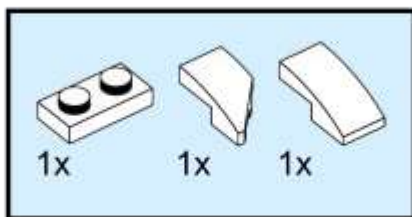
78



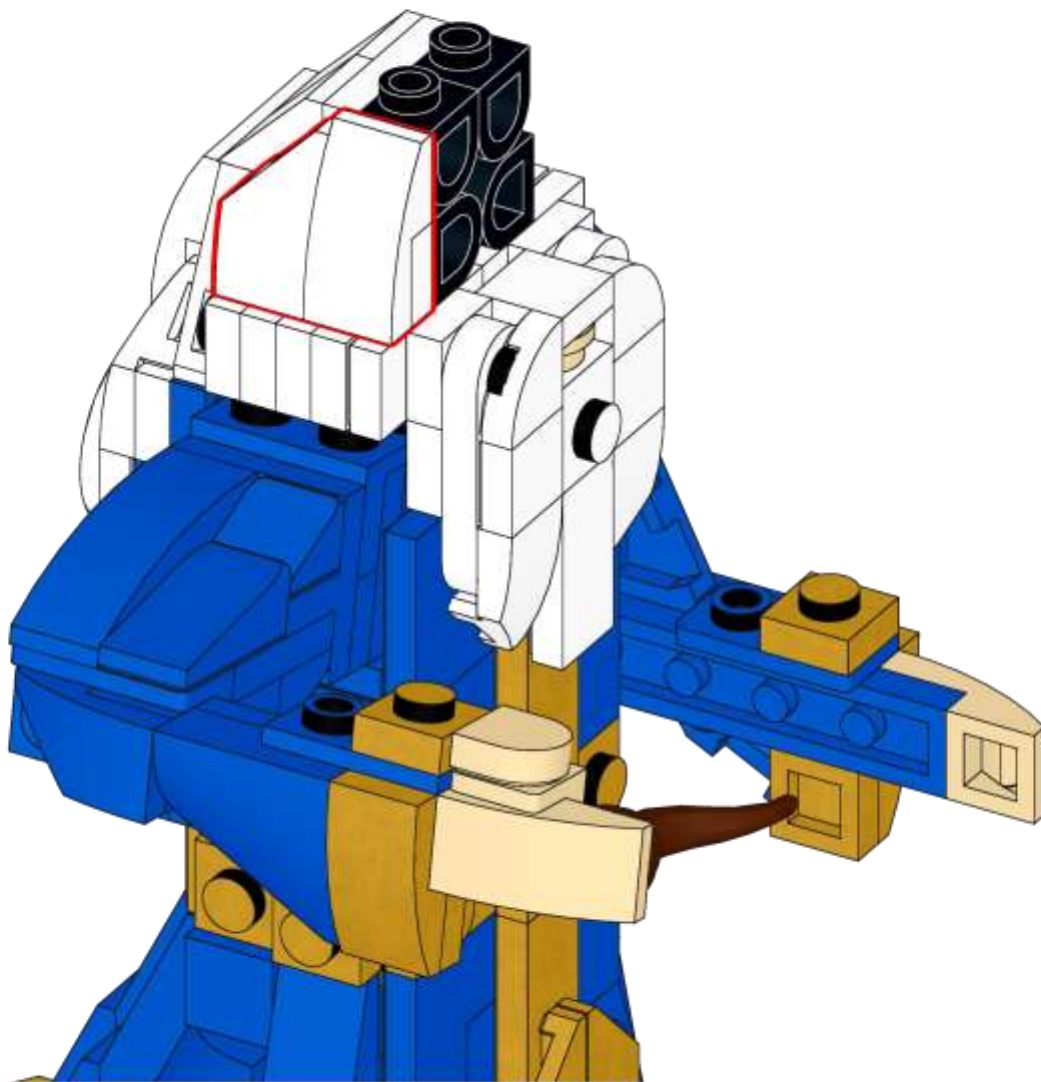
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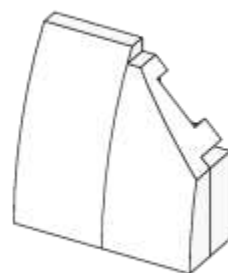
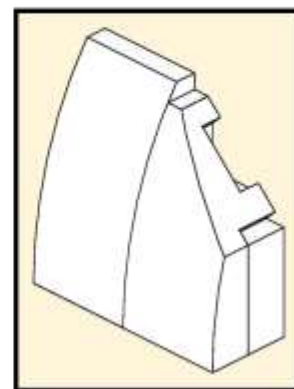
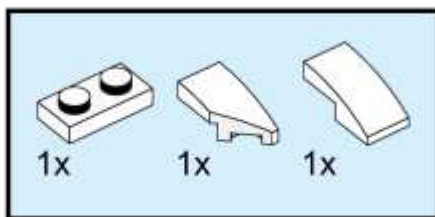
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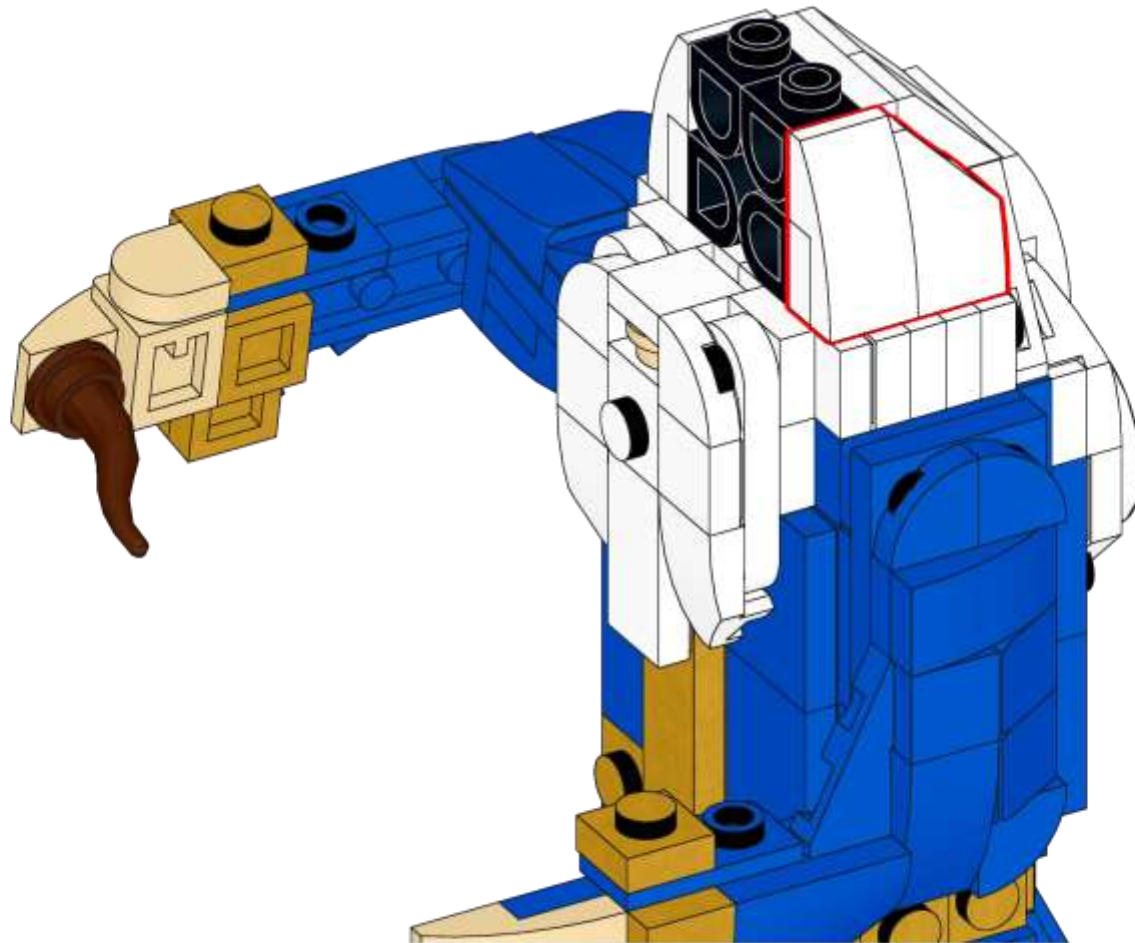
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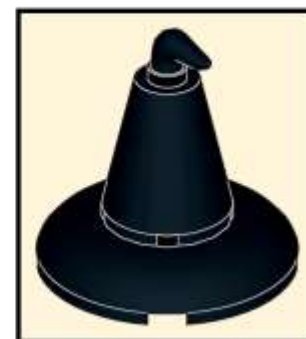
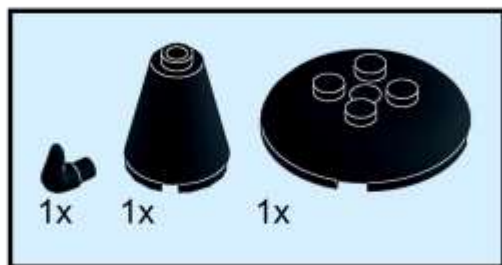
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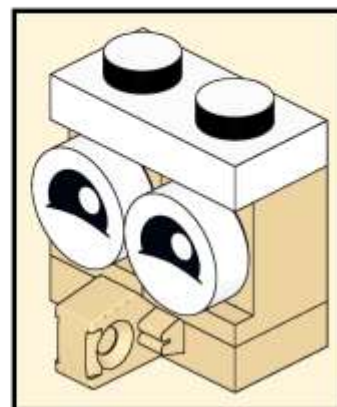
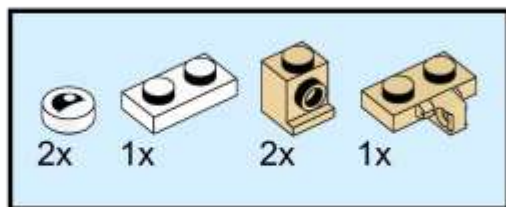
83



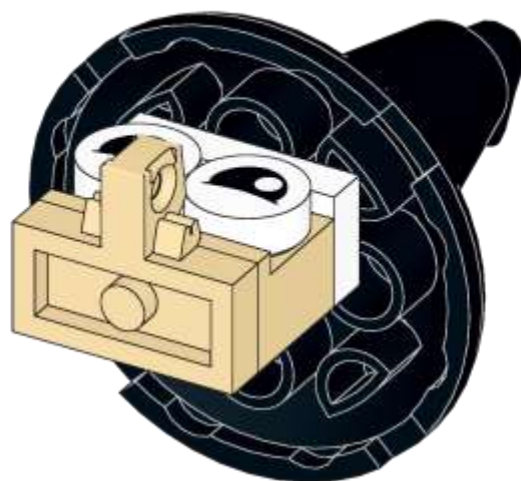
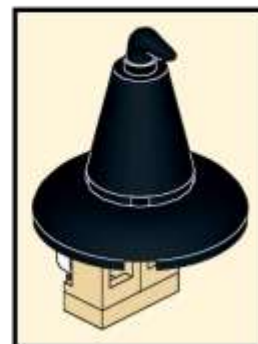
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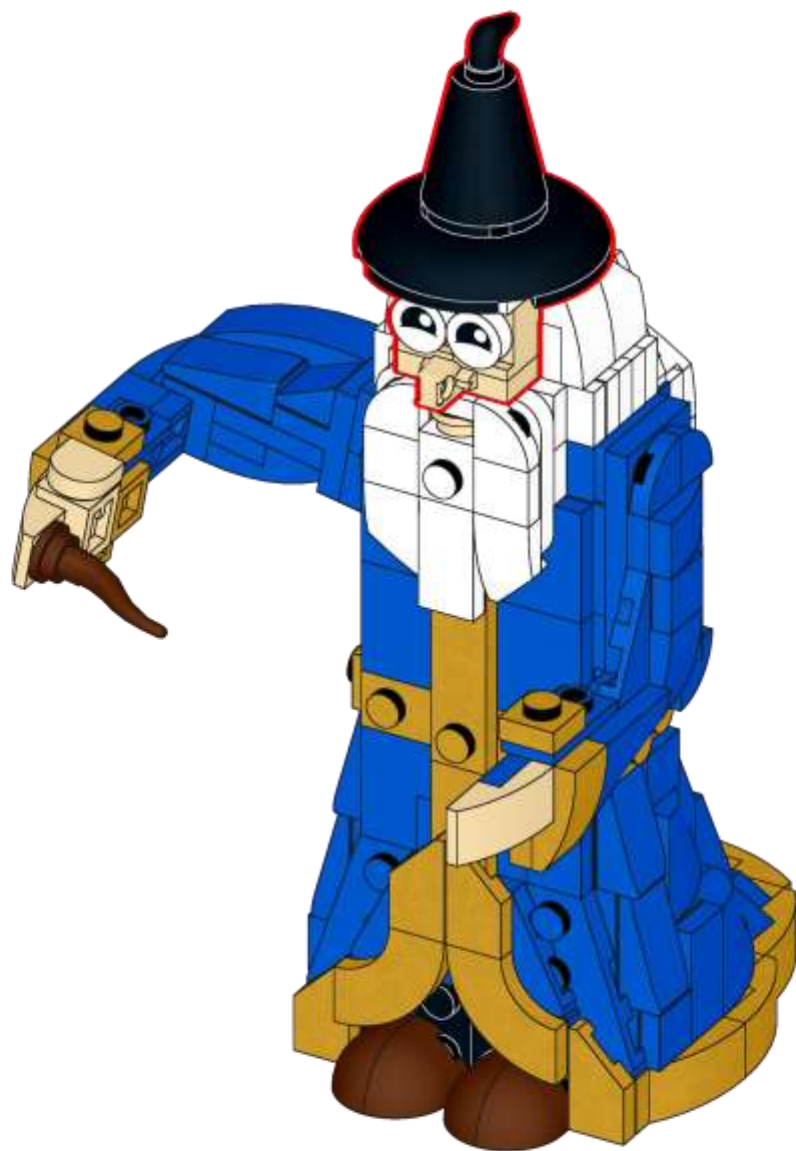
85



86



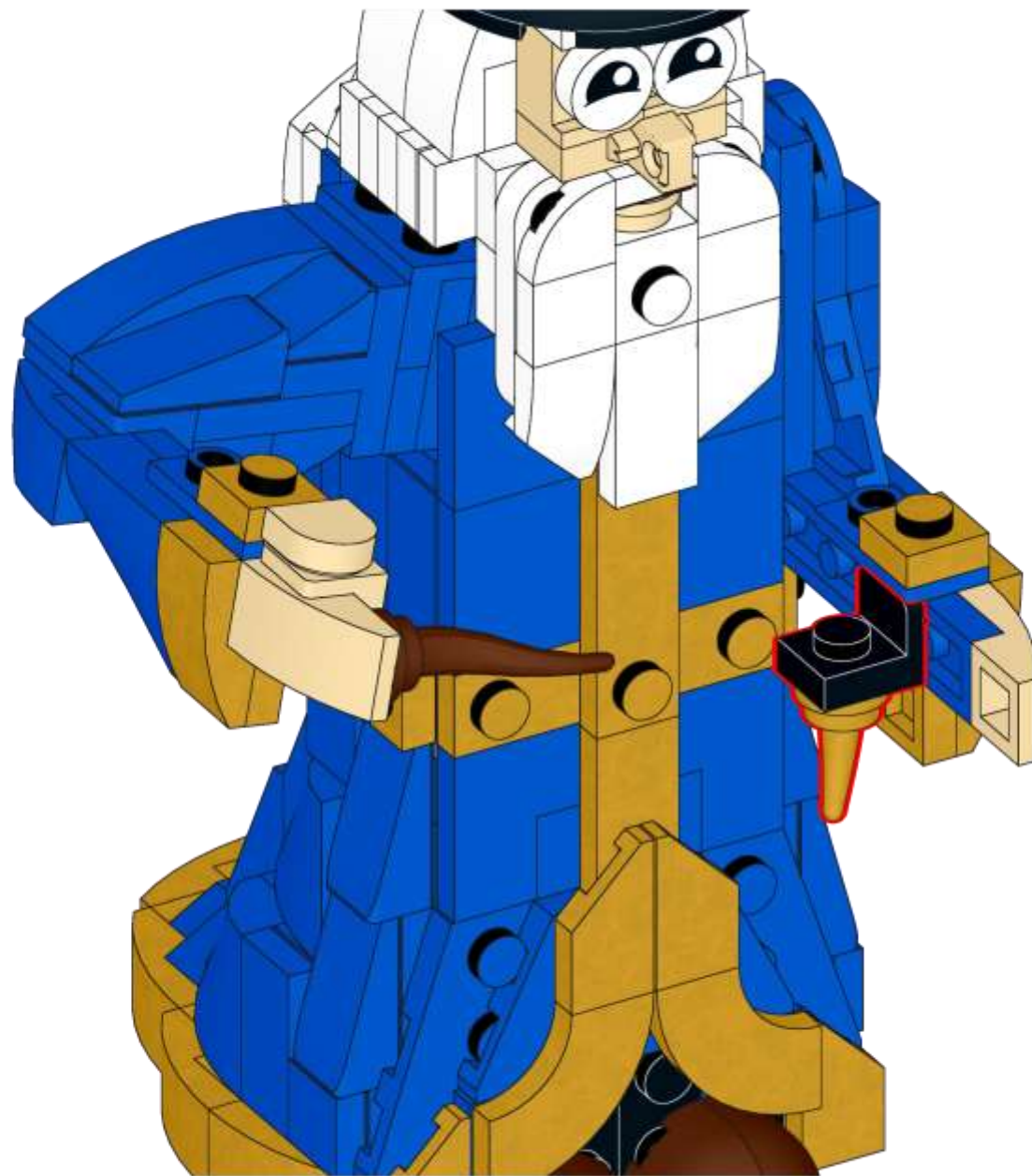
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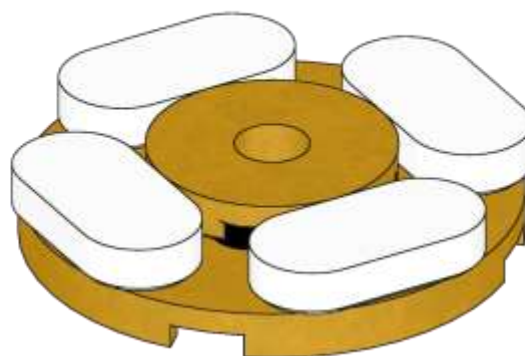
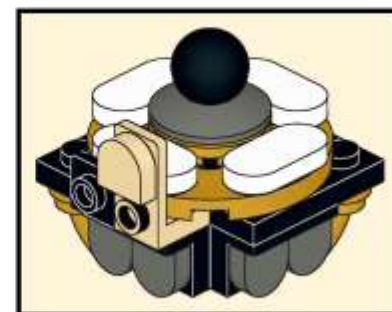
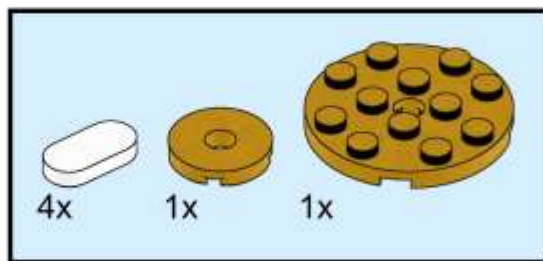
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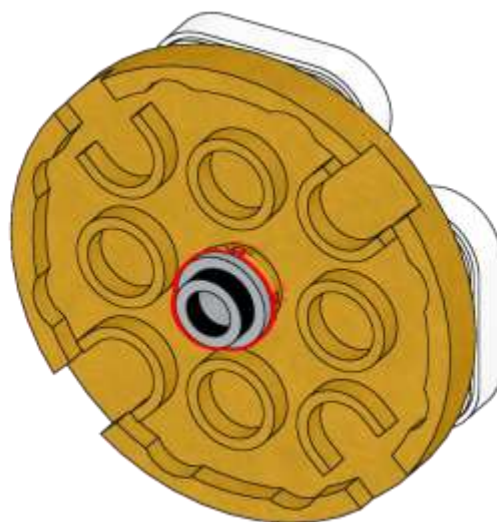
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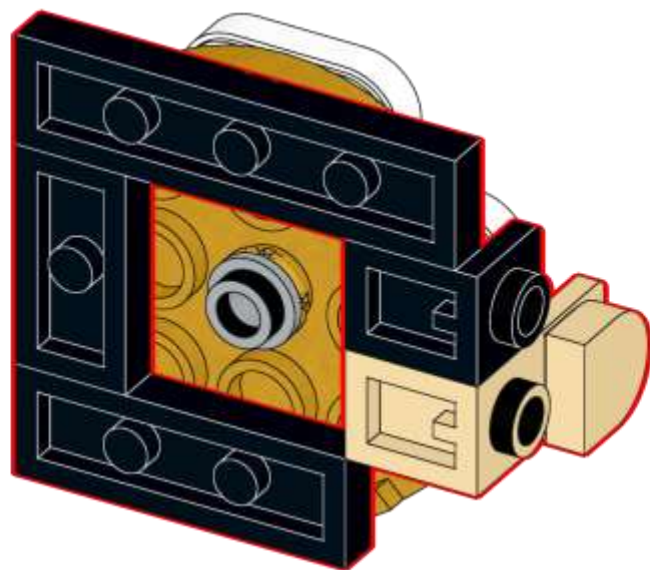
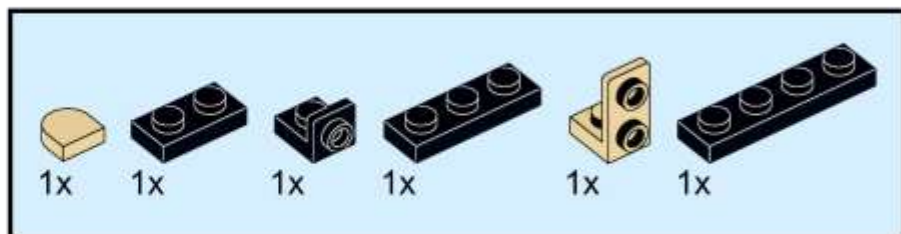
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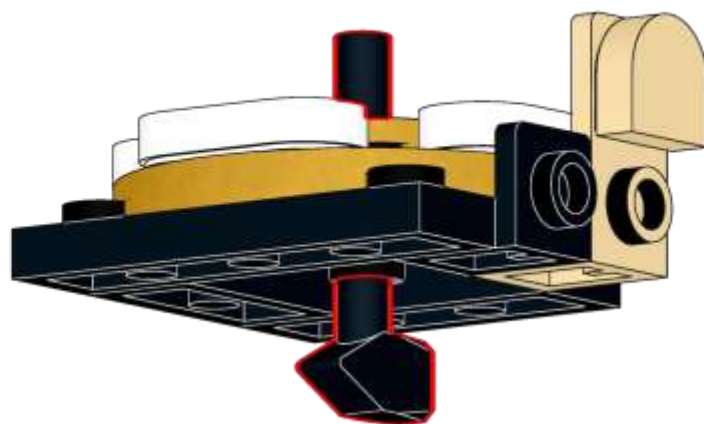
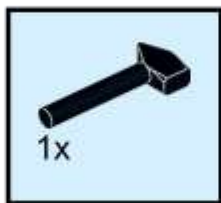
91



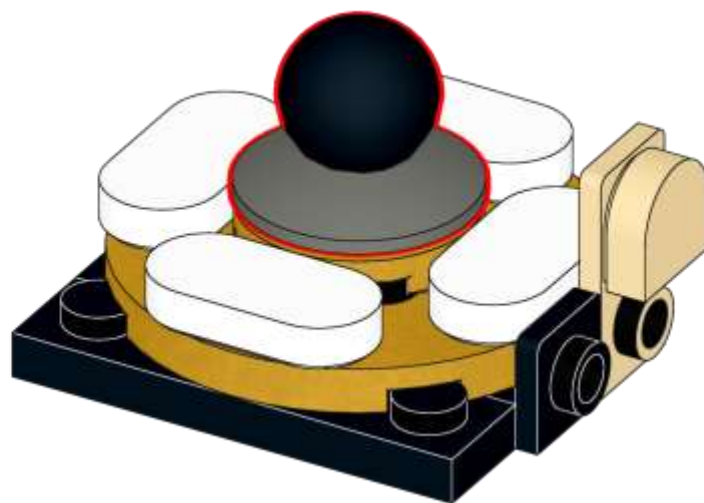
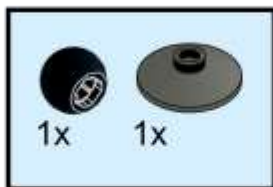
92



93



94



95



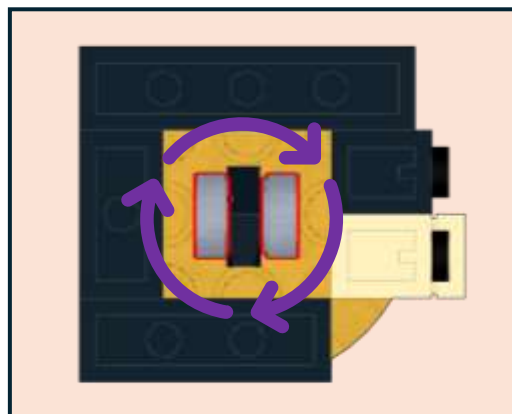
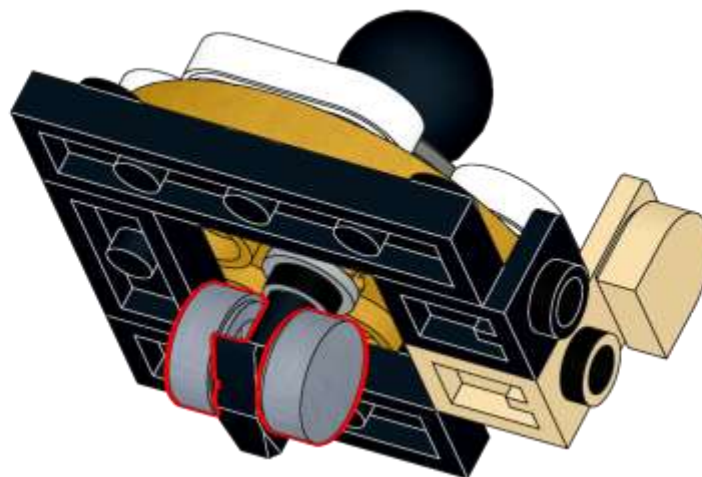
2 Magnets



Lay the build on a table and hold a magnet in each hand. Put one against the hammer, then carefully put the other one on the other side.

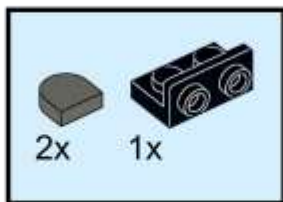


TEST

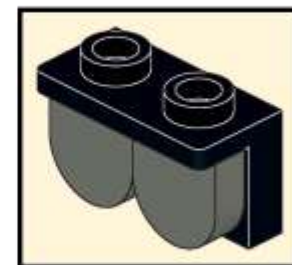


Check if the magnets are perfectly centered, by turning the ball on the other side while looking at the magnets from above.

96



4x



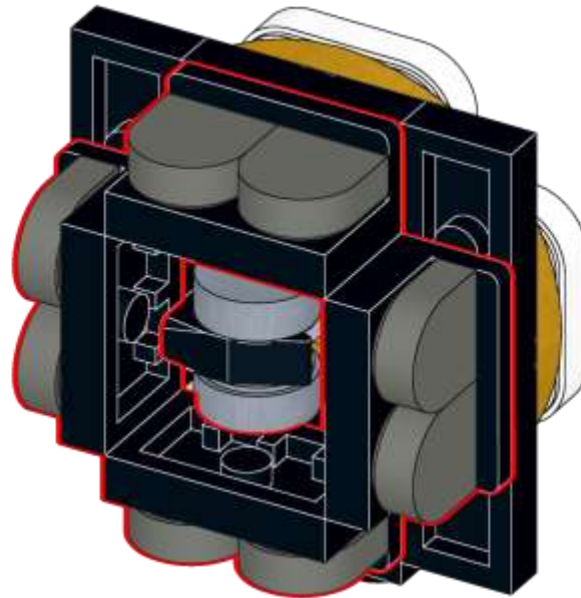
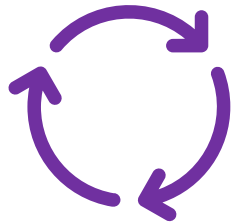
4x



97

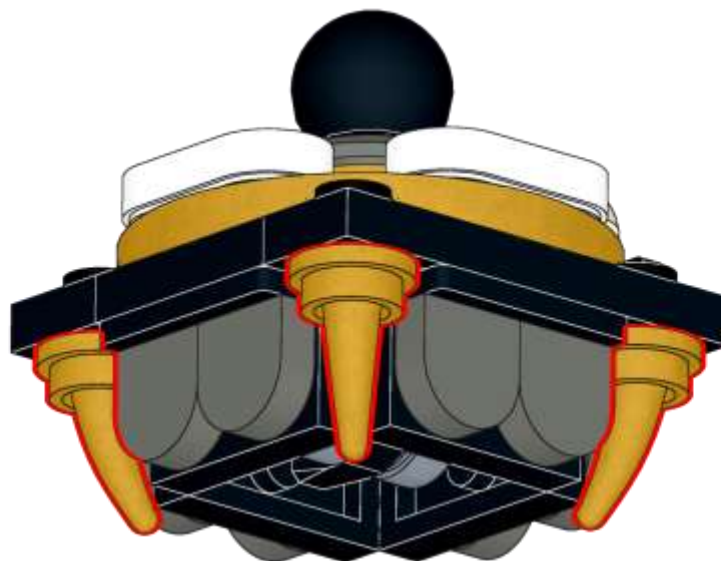


TEST

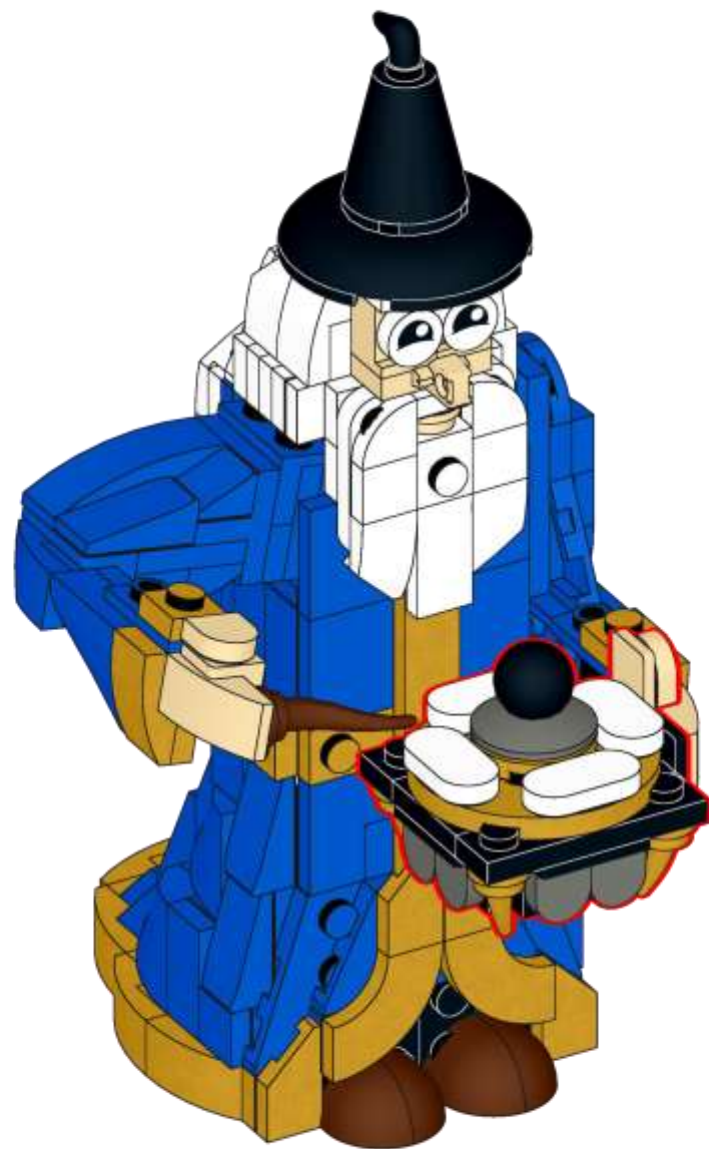


Turn the ball on the other side and check if the magnets don't hit the sides.

98



99



We need your support!

Help the LEGO Tic-Tac-Toe Playing Machine become a real set!

This LEGO IDEA can really play Tic-Tac-Toe with you.
It is completely mechanical! No electronics used!

Please use the link or scan the QR-
Code to support our LEGO Idea
and give it a chance to become a
real set!

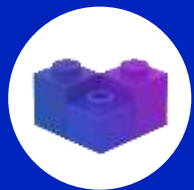
Thank you! 

Who is MejoliDesign?

MejoliDesign is a family of dad, mom and
daughter. We share a hobby building with
LEGO and share all our instructions for free.



<https://beta.ideas.lego.com/product-ideas/96a609c5-bffe-4df9-86a5-dbd005514159>



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