

LASER PEGS®

The Ultimate Construction Toy For Kids®

NATIONAL GEOGRAPHIC
LANDMARKS & ARCHAEOLOGY

Ages 5 +

30 Models+

ANY CREATION YOU CAN BUILD

LIGHT UP

CONSTRUCTION SET INCLUDES:

- 32 Laser Pegs®
- 244 Construction Parts
- 3-D Lite Board®
- Instruction Manual

Requires 3-AA Batteries

Batteries NOT Included

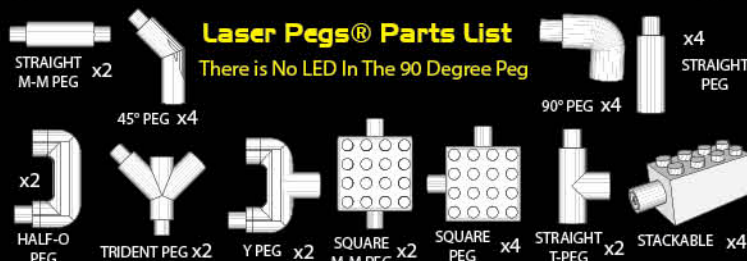
Compatible with other construction kits

EN71, RoHS COMPLIANT

This product complies to all safety requirements of ASTM F 963

MODEL INSTRUCTIONS

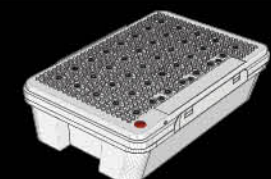
All additional model instructions can be downloaded at www.LaserPegs.com



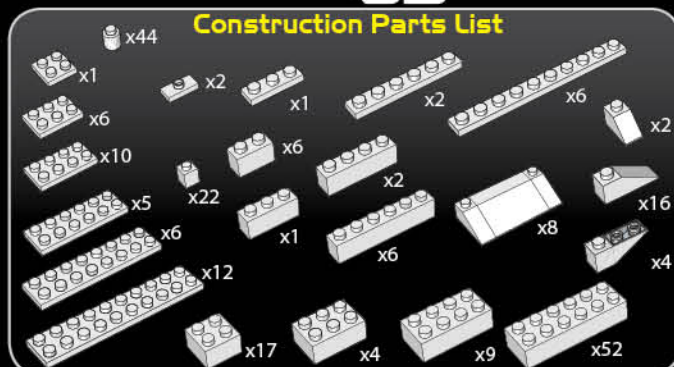
Color Code Each Laser Peg® is color coded on the circuit board inside each shape. There is No LED In The 90 Degree Peg.



Laser Pegs® link that allows you to connect to other construction kits.



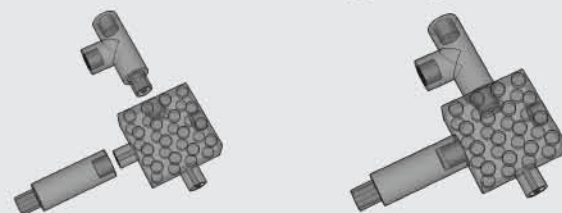
3D LITE BOARD®



www.LaserPegs.com

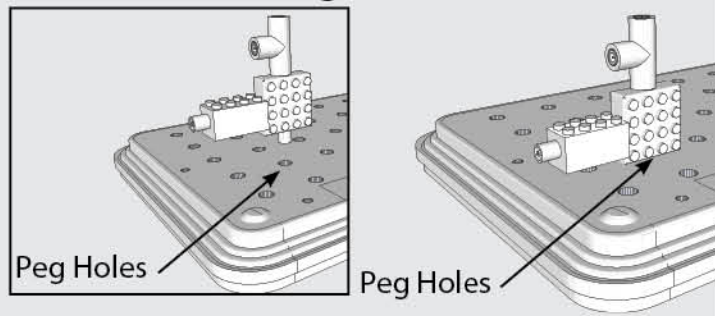
This manual is copyright and cannot be reproduced or used online without Laser Pegs® Ventures LLC permission. © Copyright 2014. All Rights Reserved US Patent #7,731,558 Additional Global & Multiple Patents Pending. Laser Pegs® Ventures LLC. 8304 Consumer Ct Sarasota FL. 34240. Contact: Support@LaserPegs.com

Connecting Pegs



To construct with Laser Pegs®, slide two pieces together to form a connection. Slide each piece on and off smoothly. The 90° Pegs are essential to construction but they DO NOT LIGHT UP.

Connect Laser Pegs® to 3D Lite Board®



Press button to turn on/off

Push button to cycle through 4 different light settings. SOUND/ON/FLASH/FLASH FASTER

WARNING: STROBE LIGHTS MAY CAUSE SEIZURES

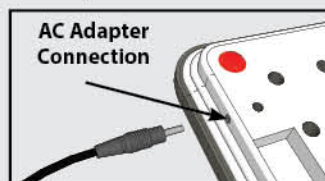
Power Button



Connecting an AC Adapter

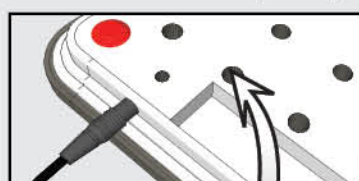
Plug AC Adapter Plug into the SIDE of the 3D Lite Board®.

*AC Adapter sold separately.



Remove all batteries from Laser Pegs® 3D Lite Board® power base before using 5-volt AC adapter.

*To avoid short-circuits, keep metal objects and other unauthorized materials from obstructing the peg holes.



Never connect more than 200 Laser Pegs® when using a 5-volt (2000mA) AC Adapter.

The AC Adapter and the 3D Lite Board® are to be regularly examined for damage to the cord, plug, enclosure and other parts, and in the event of such damage, they must not be used until the damage has been repaired.

Battery Compartment

Batteries NOT Included

Battery Compartment Requires (3AA) Batteries

Place batteries in the correct position when using.

Replacing Batteries

1. Remove the three (3) screws and the Battery Compartment Cover.
2. Place three AA batteries in the correct position - as displayed inside the 3D Lite Board®. Batteries are to be inserted with the correct polarity.
3. Replace the three (3) screws and the Battery Compartment Cover.
4. Push RED button to turn on!
5. Do not mix old and new batteries.
6. Do not mix alkaline, standard (carbon-zinc), or rechargeable (nickel-cadmium, NiMH) batteries!
7. Exhausted batteries are to be removed from the power base.
8. Never connect more than 200 Laser Pegs®
9. Non-rechargeable batteries are not to be recharged.
10. Rechargeable batteries are only to be recharged under adult supervision.
11. Rechargeable batteries are to be removed from the toy before being recharged.
12. The supply terminals are not to be short-circuited.
13. Batteries should be recycled or disposed of as per state and local guidelines.
14. DO NOT THROW BATTERIES INTO FIRE!

Power Button

4 light settings.

Press power button to change light setting.

SOUND/ON/FLASH/FLASH FASTER

3D Lite Board®

Peg Holes

Construction Kit Compatible Studs

AC Adapter

INPUT is on the SIDE of 3D Lite Board®.

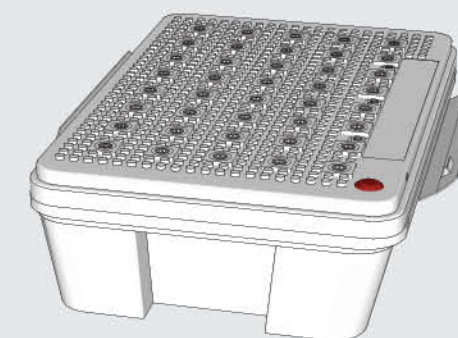
Battery Compartment

Requires (3AA) Batteries

Environmental Phenomena

* The unit may malfunction if subjected to radio-frequency interference. It SHOULD revert to normal operation when the interference stops. If not, it may become necessary to turn the power off and back on, or remove and reinstall the batteries.

* In the unlikely event of an electrostatic discharge, the unit may malfunction and lose memory, requiring the user to reset the device by removing and reinstalling the batteries.



Tote Box

Designed for storage of Laser Pegs® parts.

Remove the three Phillips head screws with a 4mm screw driver.

Battery Compartment Cover

DO NOT SUBMERGE IN WATER

WARNING! Each Laser Peg® draws current from the batteries. Therefore, the more pegs you use, the quicker you will deplete your battery power! As the power weakens, the current will slowly fall and some Laser Pegs® will illuminate (typically the reds and yellows) and some won't. When the Laser Pegs® dim the Laser Pegs® are not broken, they just need stronger batteries or an AC Adapter. You have 3 simple options...

1. Use a 5-volt AC Adapter--available from www.LaserPegs.com
2. Change the batteries.
3. Use high quality batteries. They will last a little longer, but they will still deplete rapidly the more laser pegs you connect!

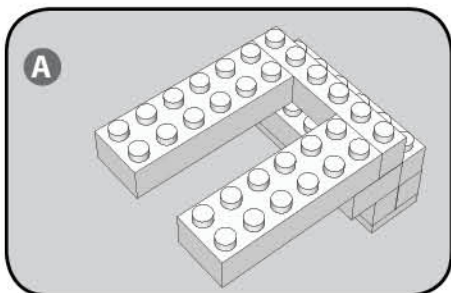
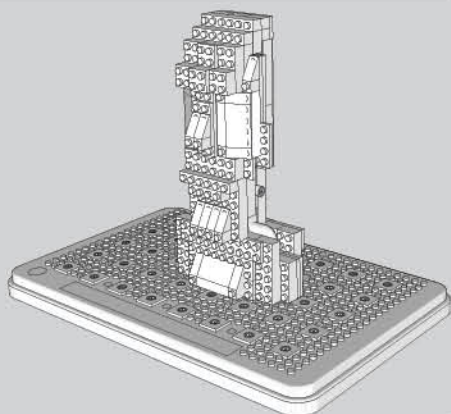
MOAI: More than 800 human-shaped statues made from volcanic rock were erected on tiny Easter Island in the Pacific Ocean between 1400 and 1600 A.D. Almost 400 of these statues still stand today, the largest of which stretches nearly 12 meters (about 37 feet) tall.



MOAI

Model
Difficulty
Level

4



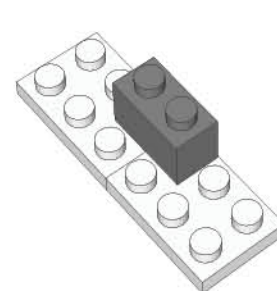
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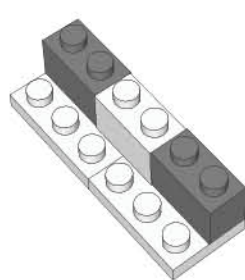
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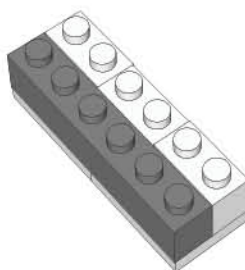
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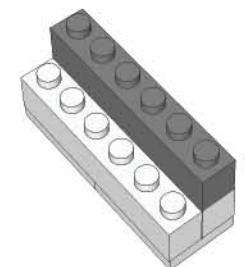
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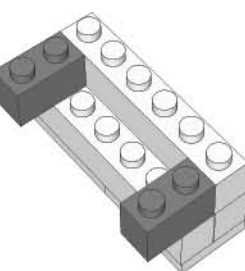
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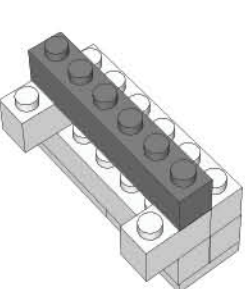
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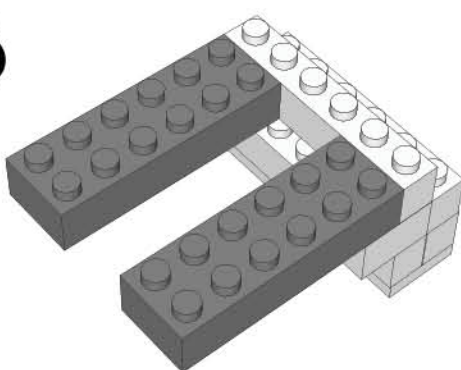
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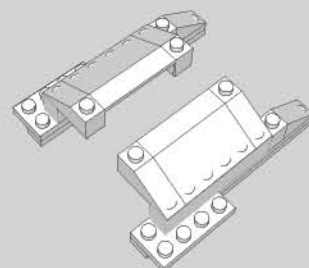
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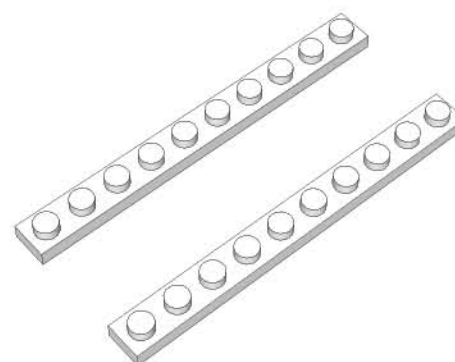
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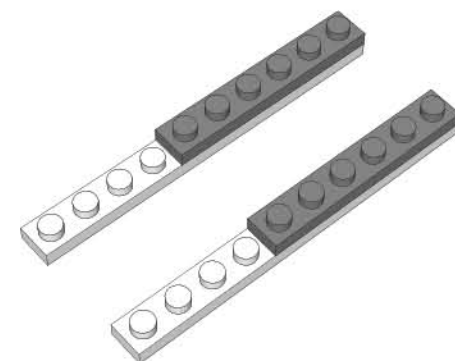
B



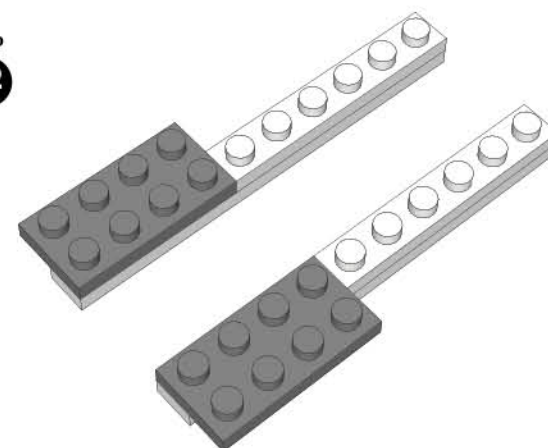
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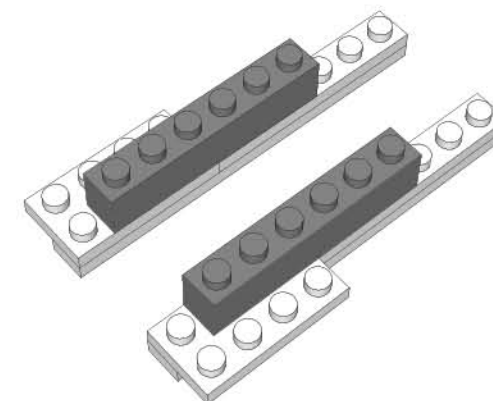
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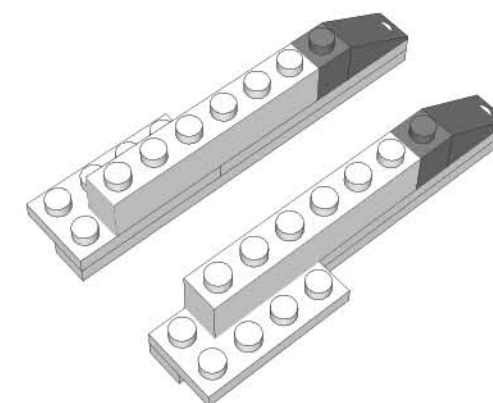
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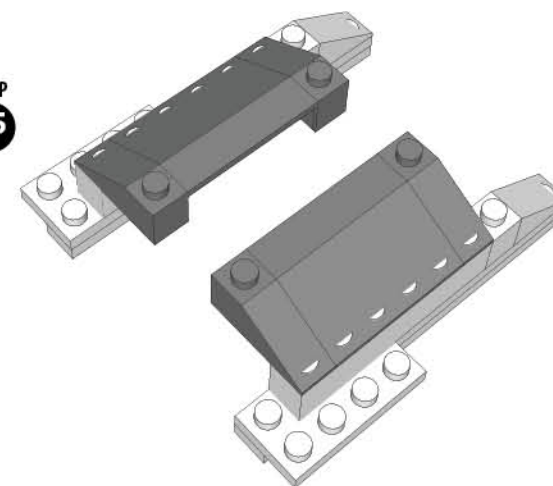
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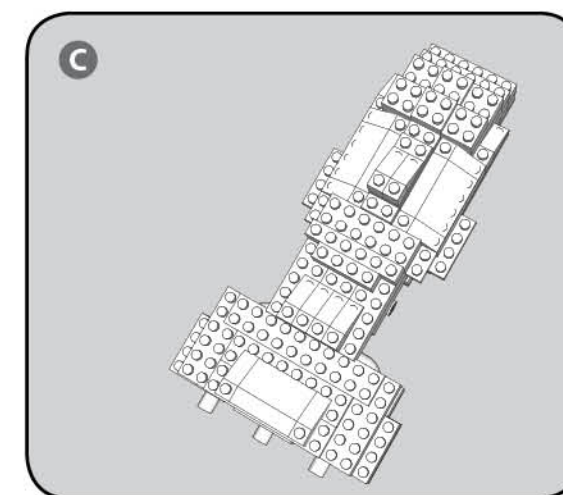
STEP
14



STEP
15



C

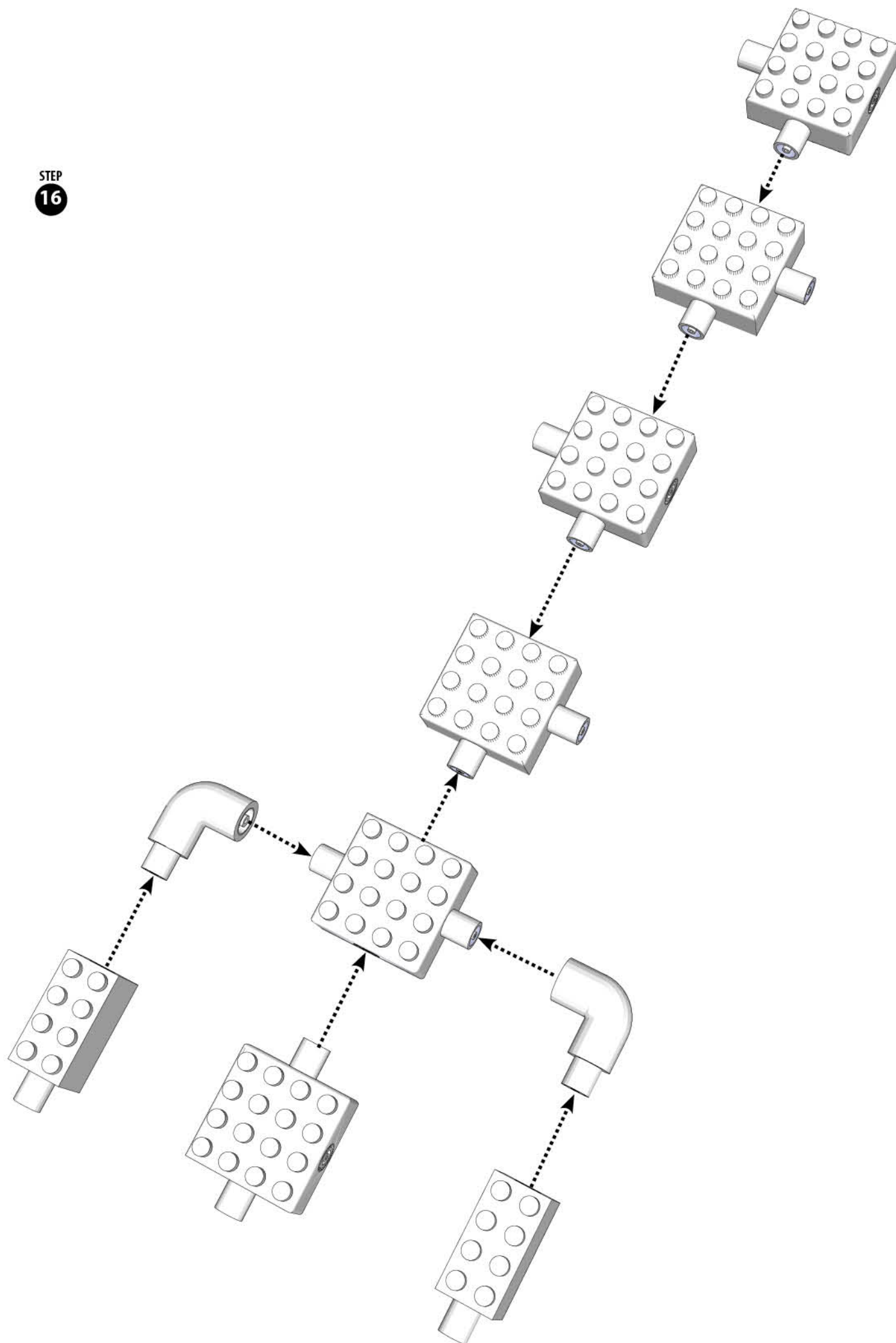


MADE IN CHINA

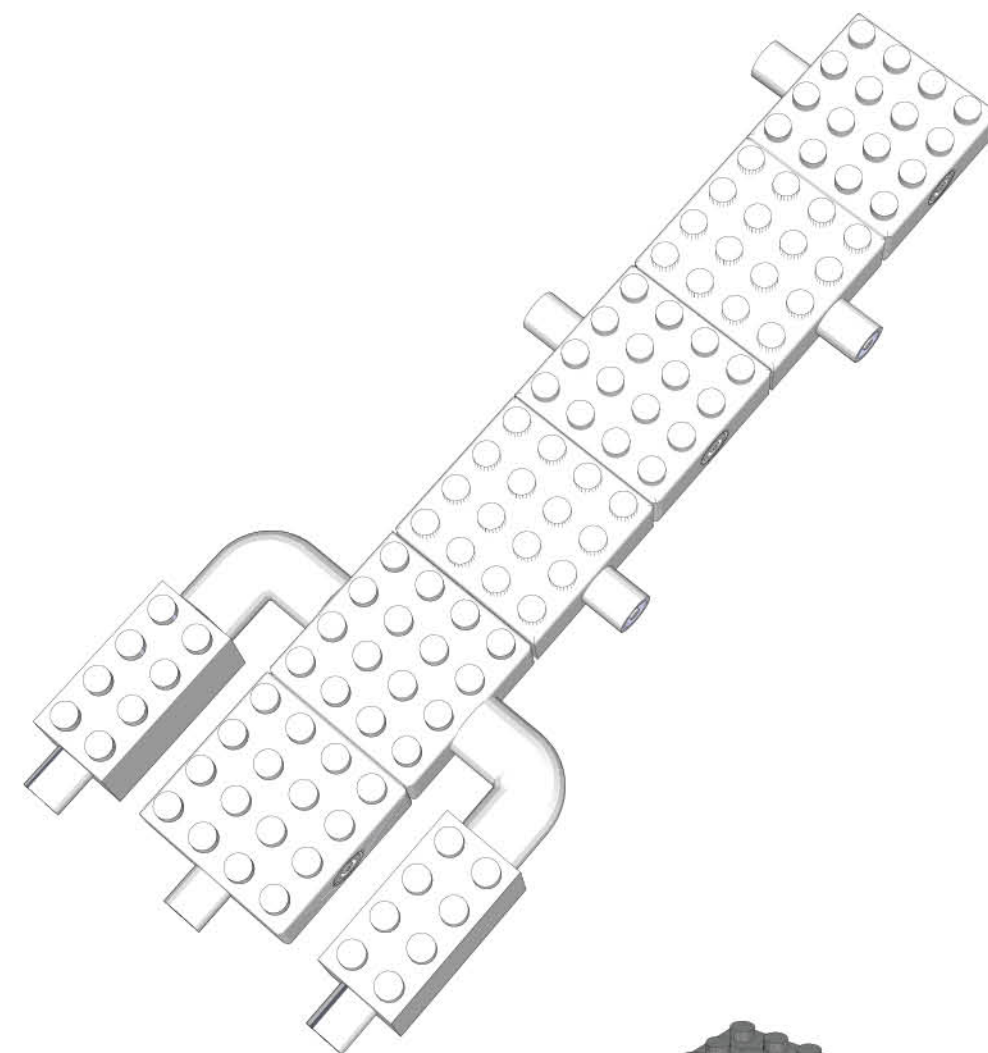
www.LaserPegs.com

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US Patent #7,731,558

STEP
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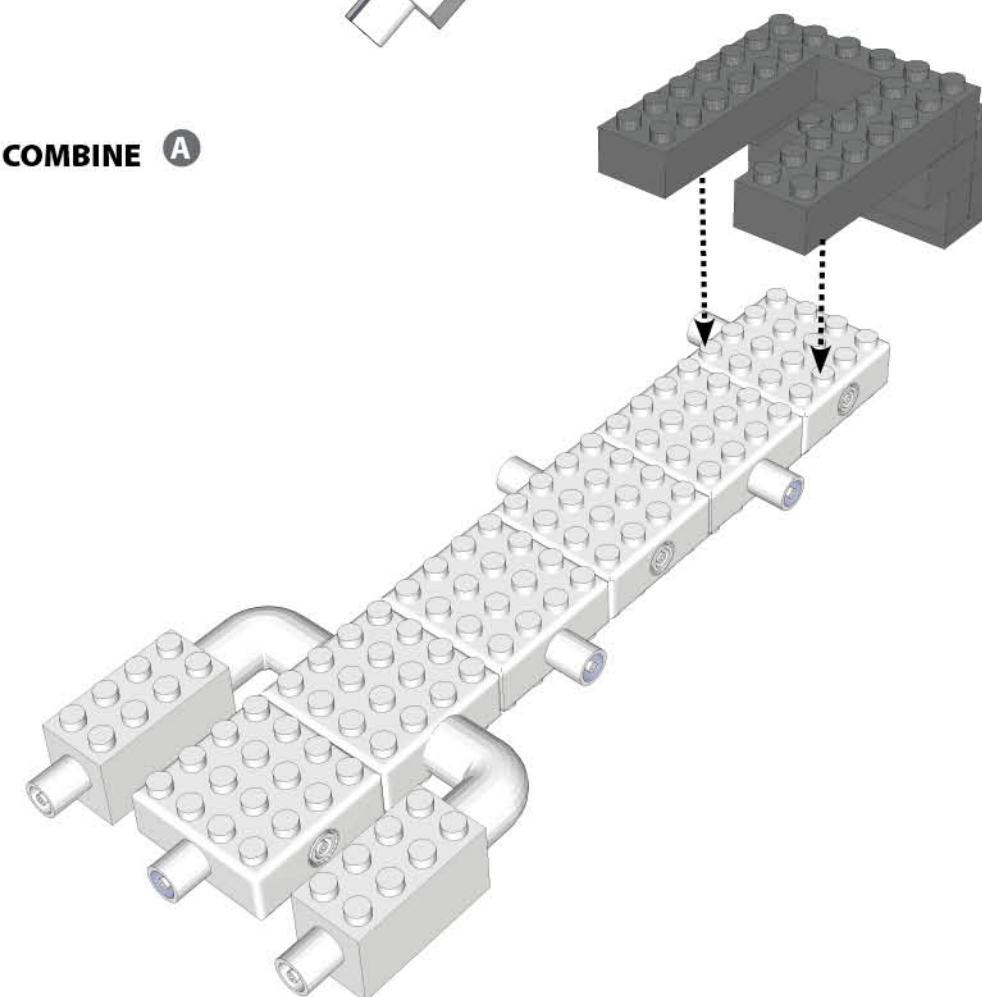


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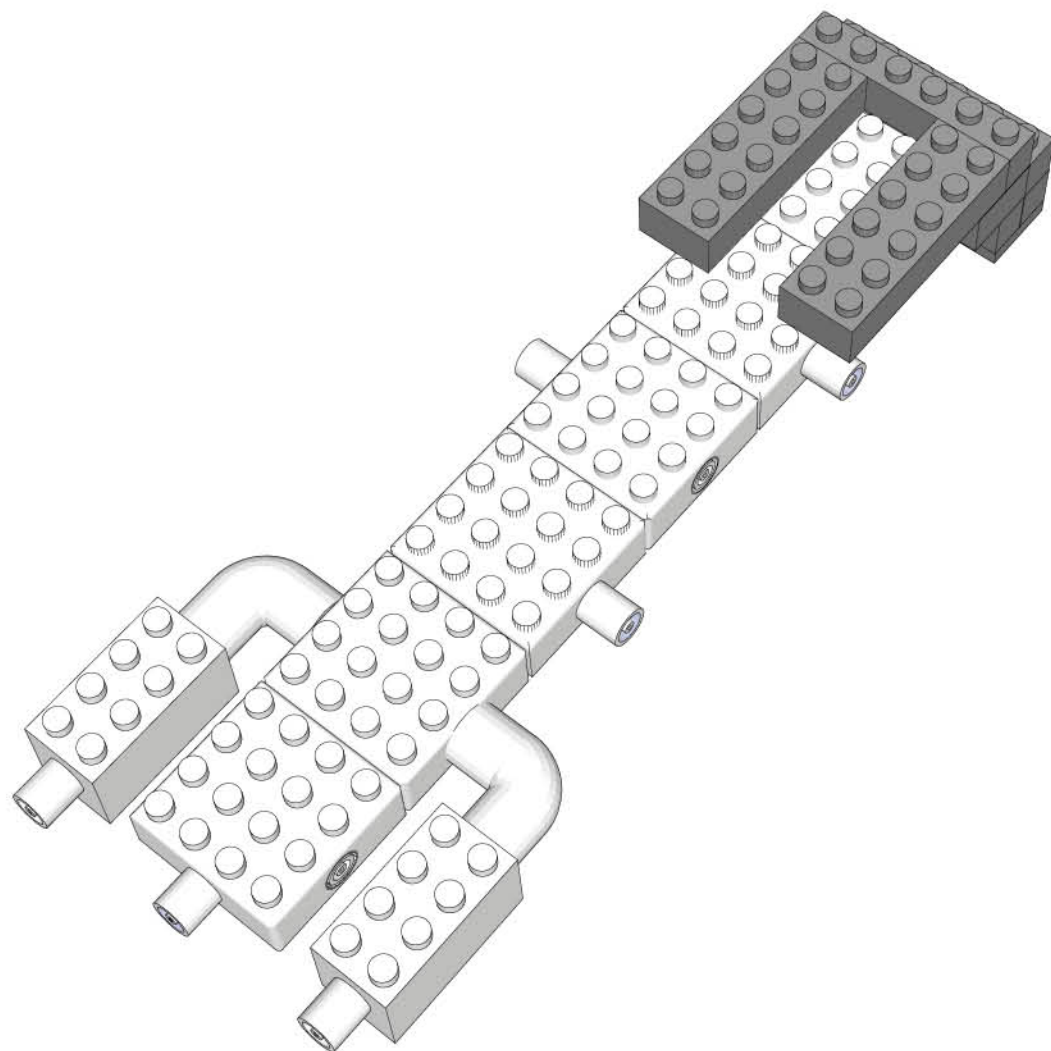


STEP
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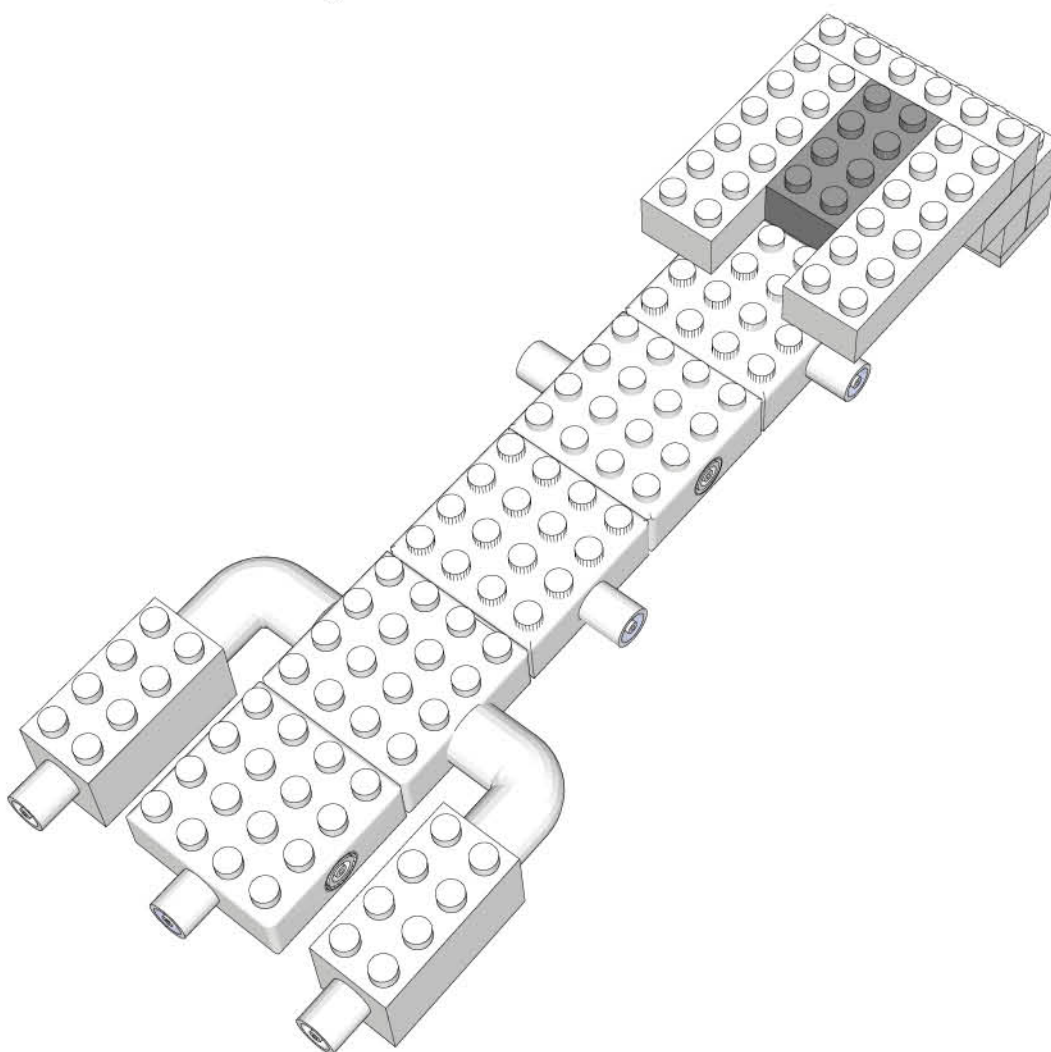
COMBINE A



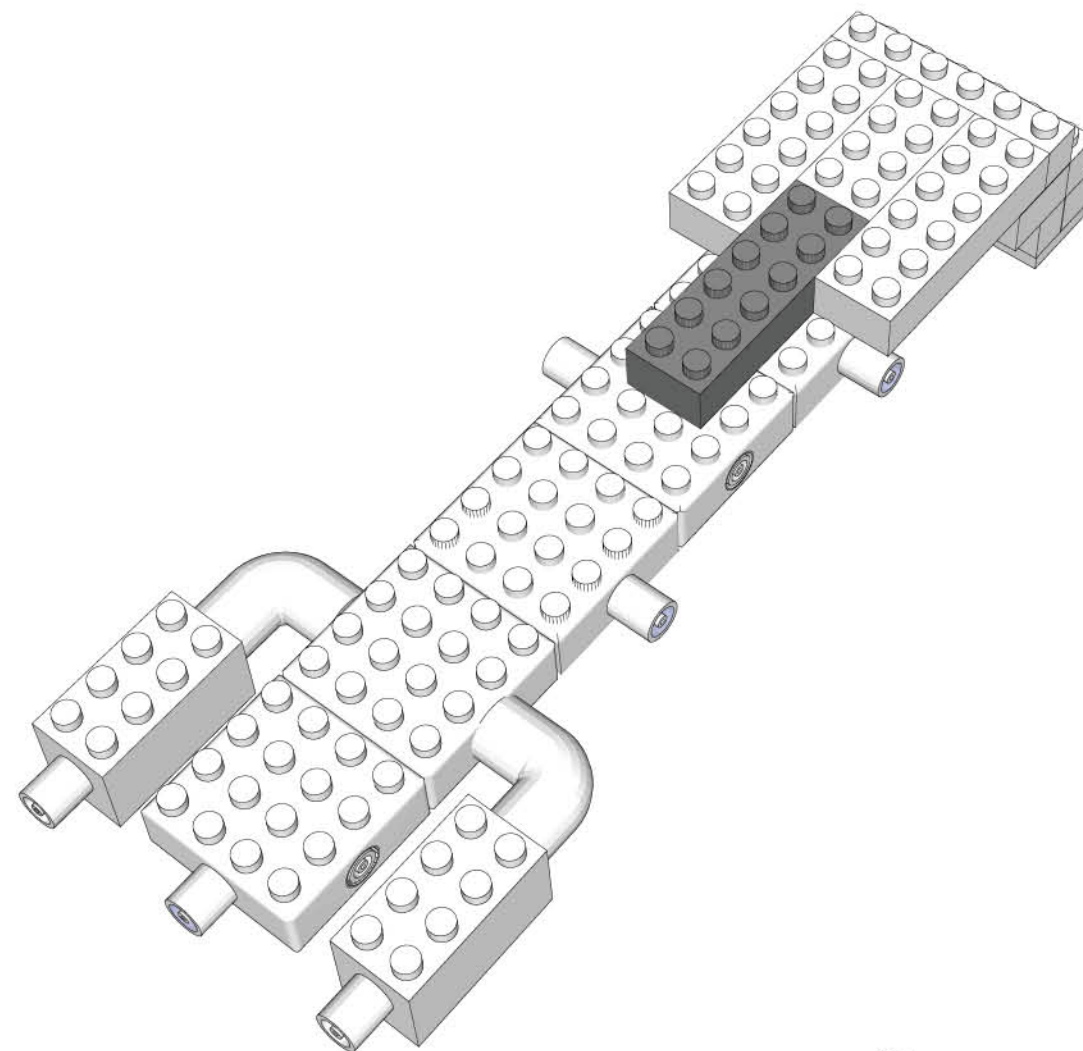
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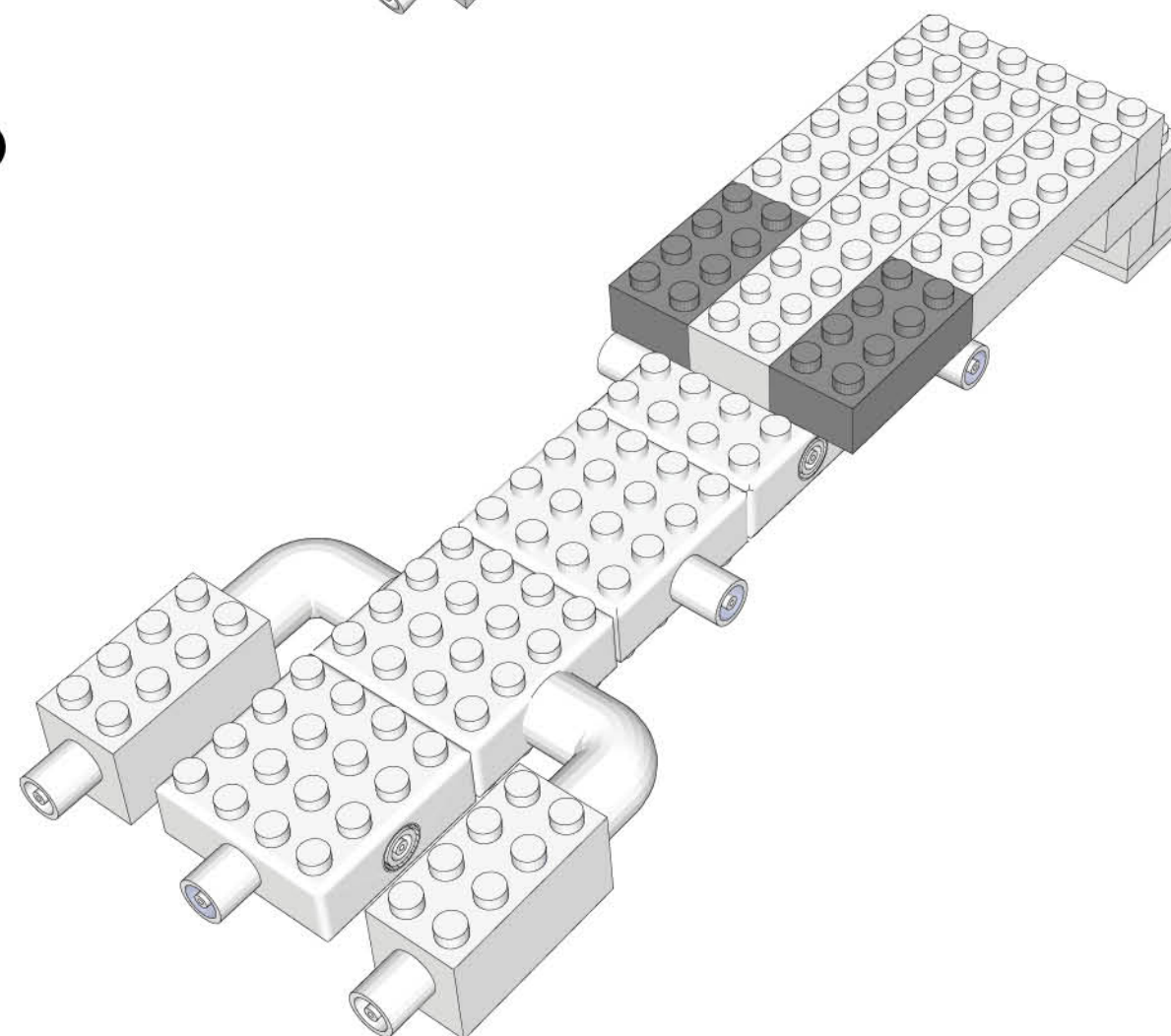
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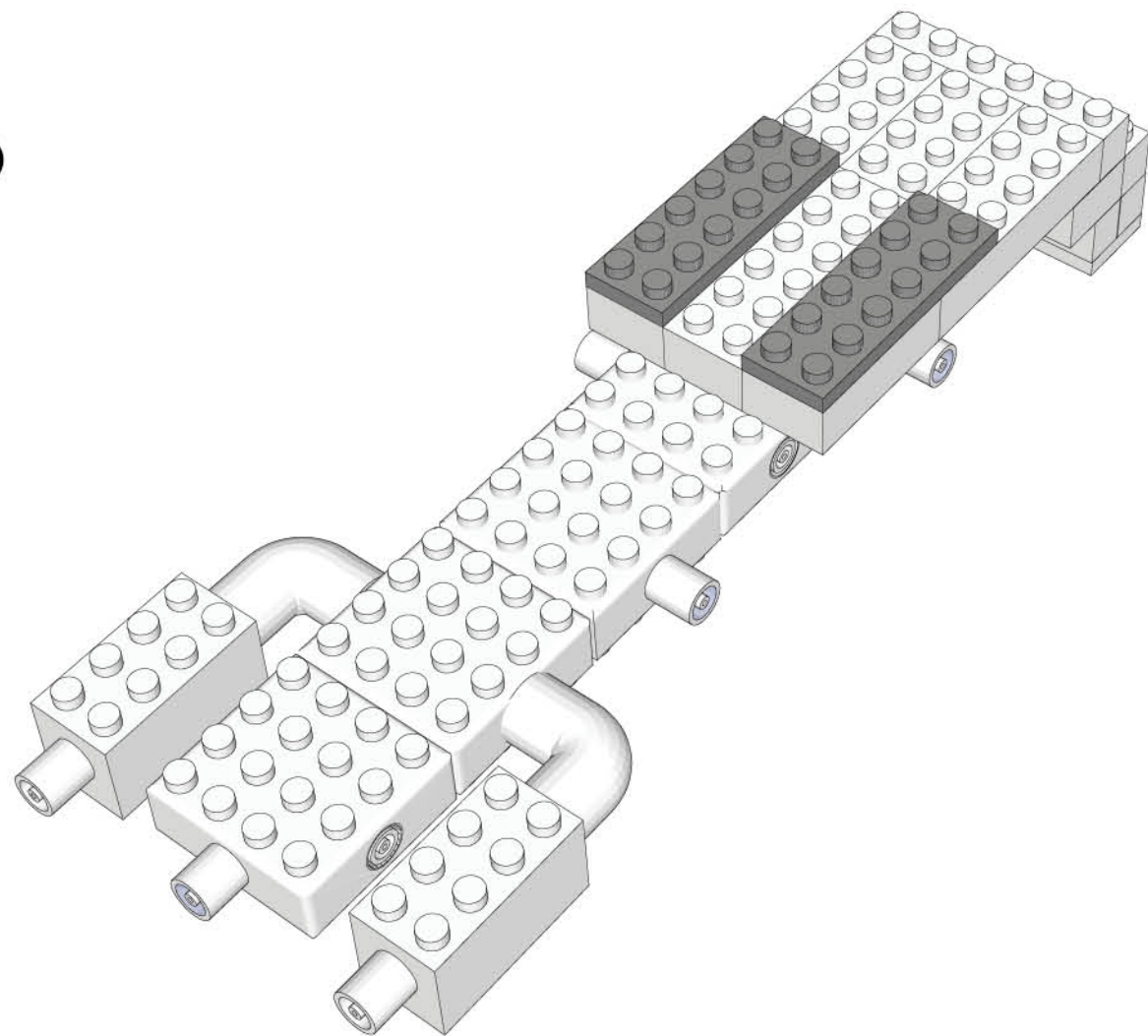
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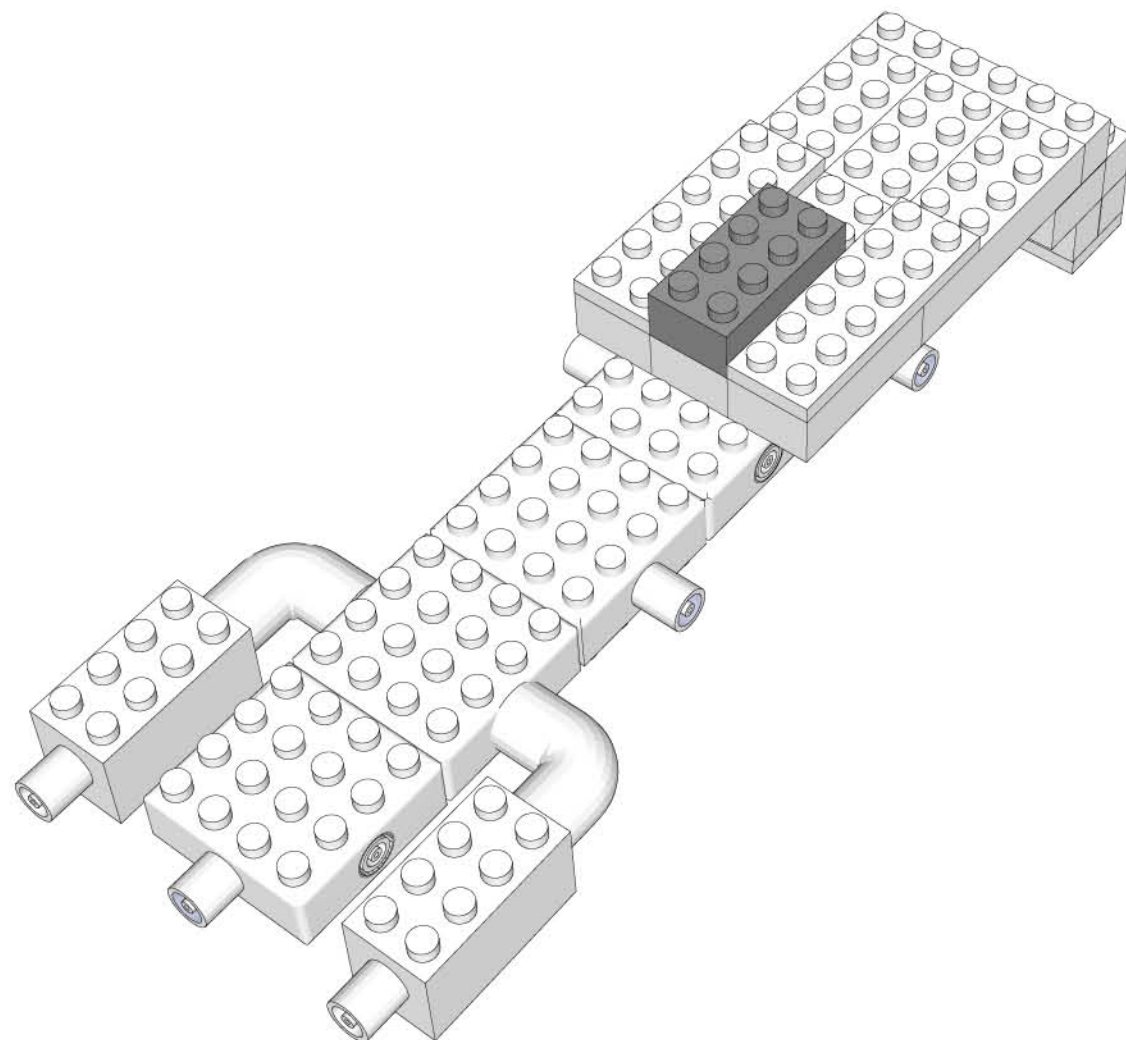
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STEP
23

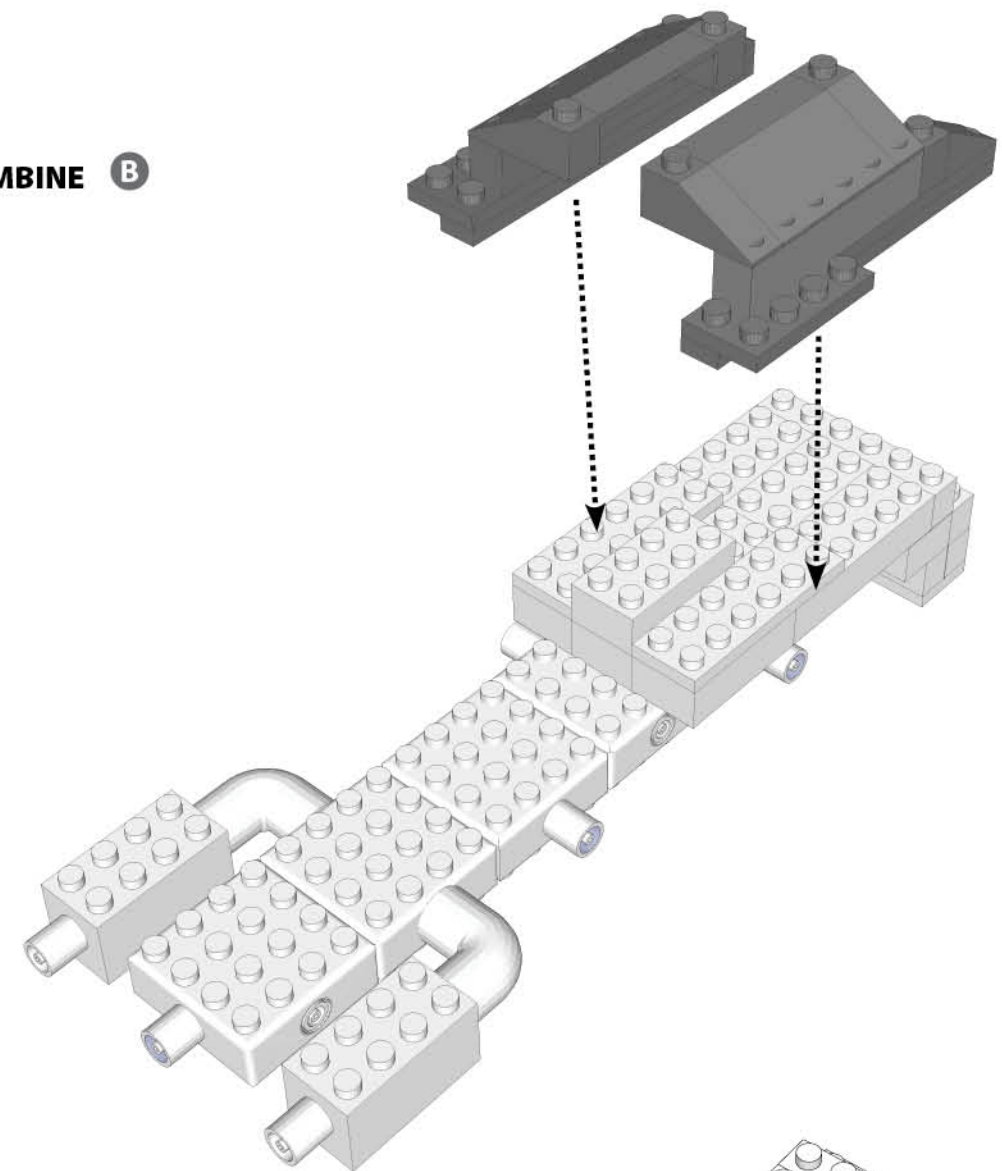


STEP
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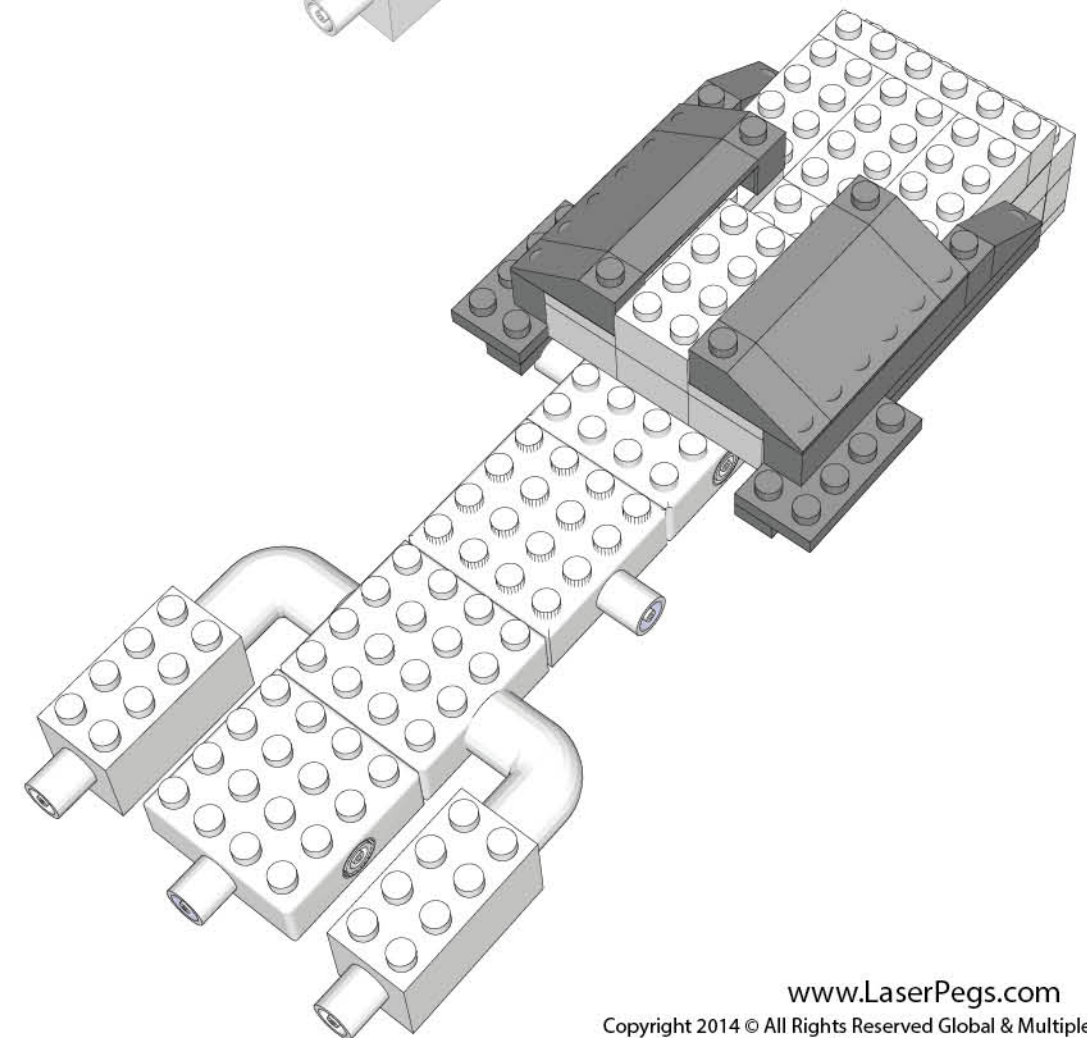


STEP
25

COMBINE B



STEP
26

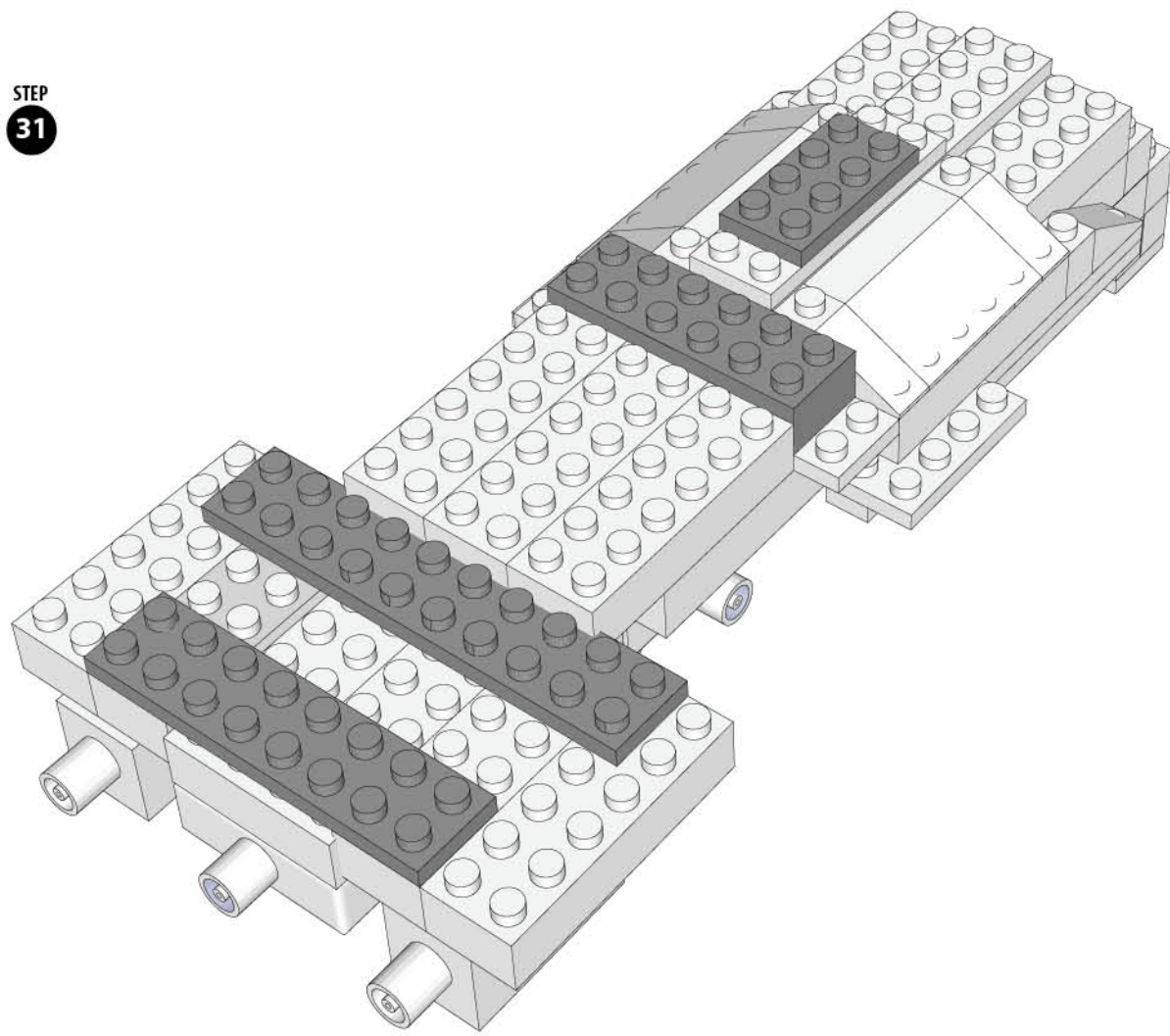


STEP
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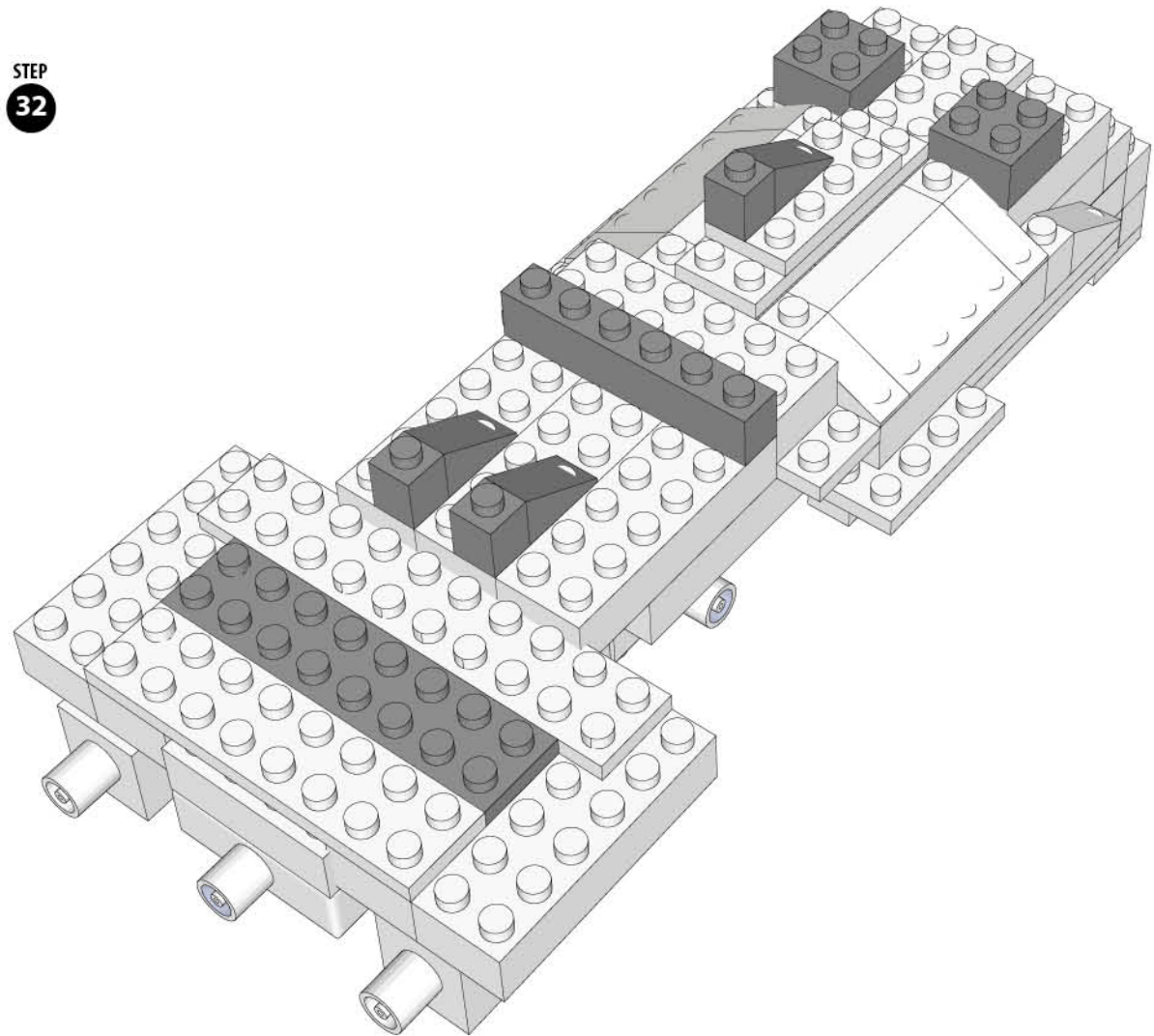
This isometric view shows the completed assembly. The motor is at the bottom left, connected to a series of gears. The gears are connected to a long white Technic beam that runs horizontally. On top of this beam, there are three dark grey Technic beams of length 5, each with a 1x5 hole in the center. These beams are connected to a final output mechanism on the right, which consists of a white Technic beam with a 1x5 hole in the center, and a dark grey Technic beam of length 5, each with a 1x5 hole in the center. The output mechanism is connected to a final output shaft that extends to the right.

An isometric view of the completed LEGO Technic assembly. The assembly consists of a grey motor at the rear, connected to a series of grey gears. These gears are part of a drive mechanism that powers a set of three black and white rectangular components, which appear to be actuators or sensors. The entire assembly is mounted on a base made of white and grey Technic bricks. The components are arranged in a row, with the black and white sections facing outwards. The assembly is shown from a perspective that highlights its three-dimensional structure and the various colors of the bricks used.

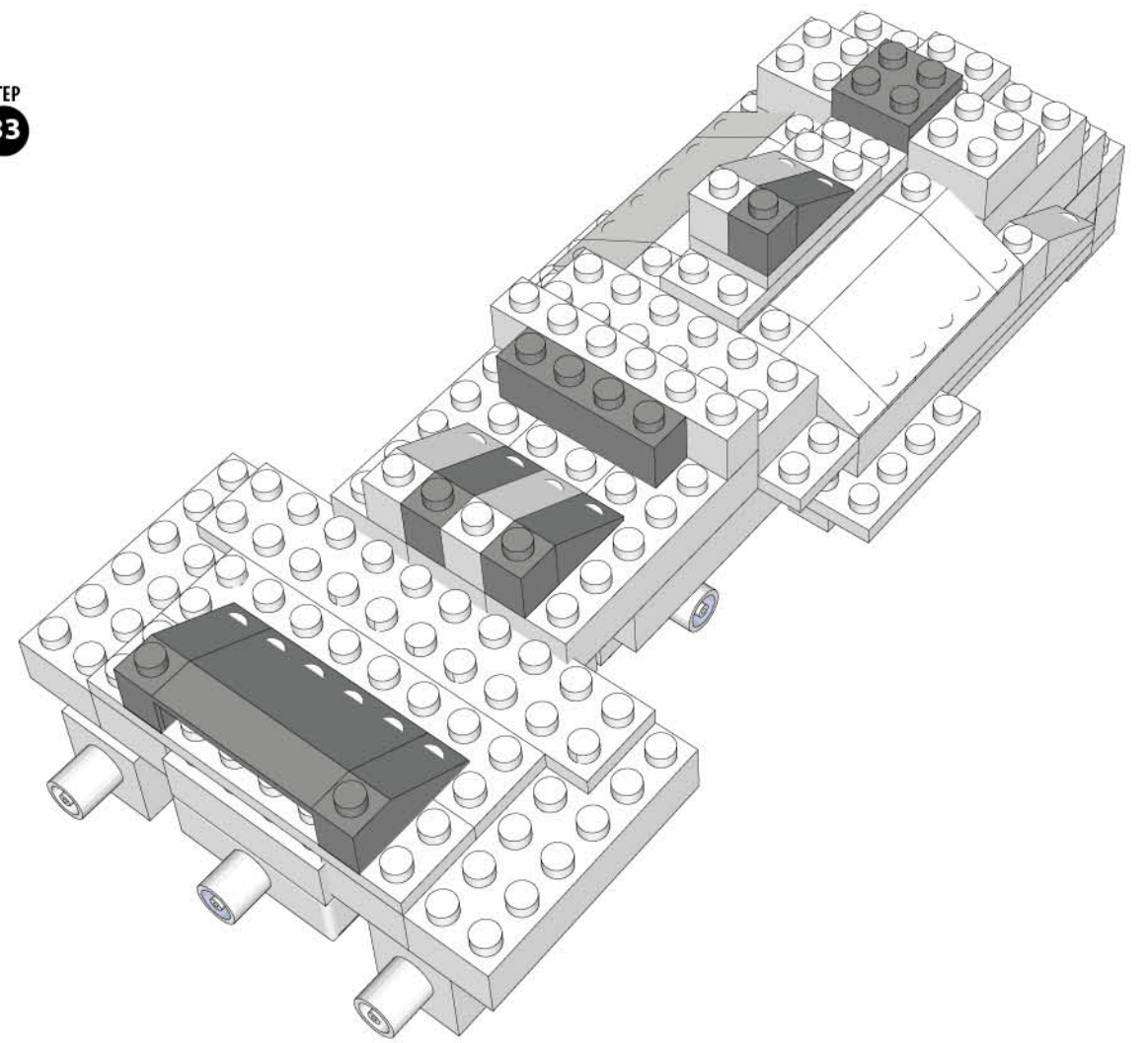
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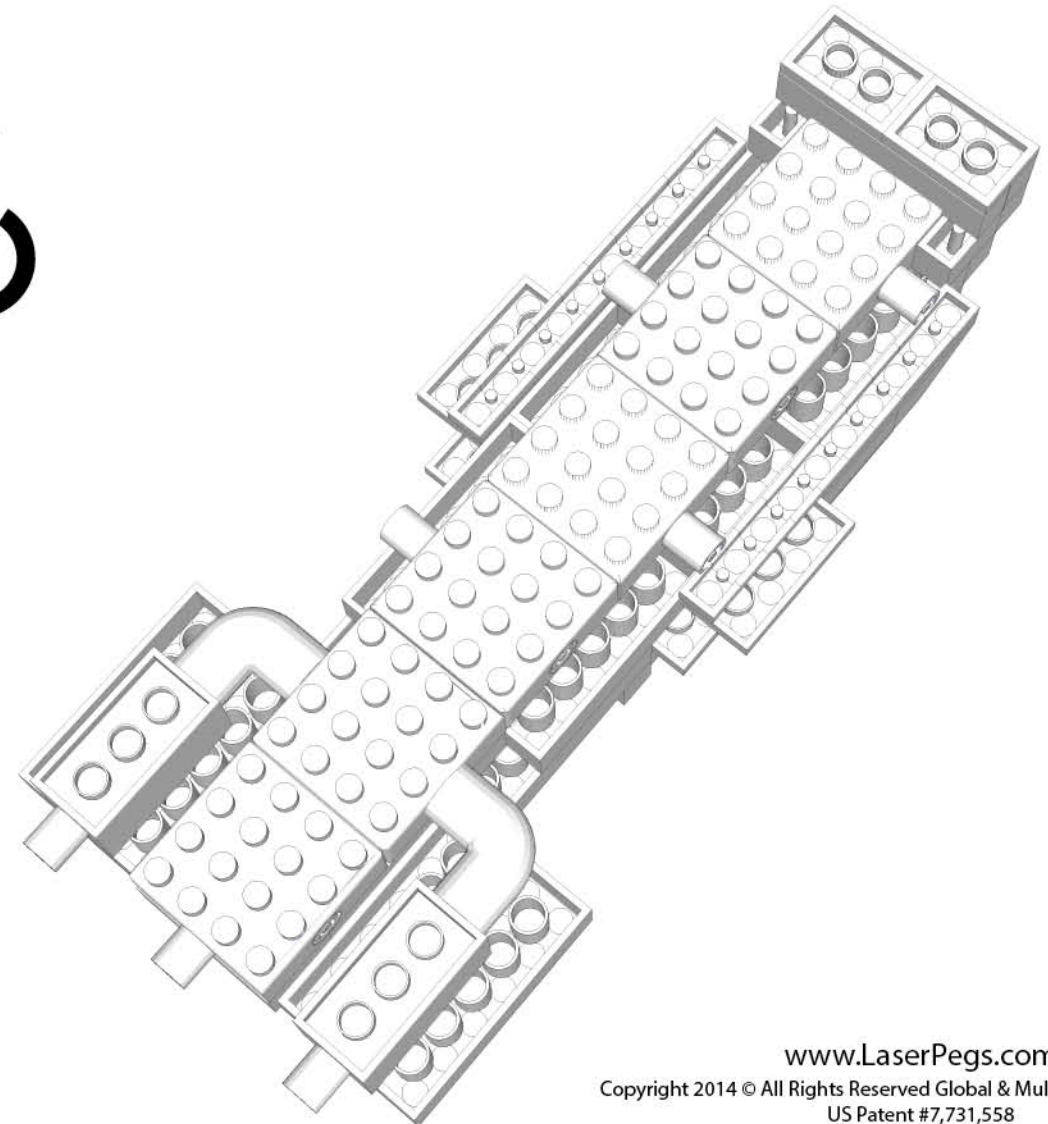
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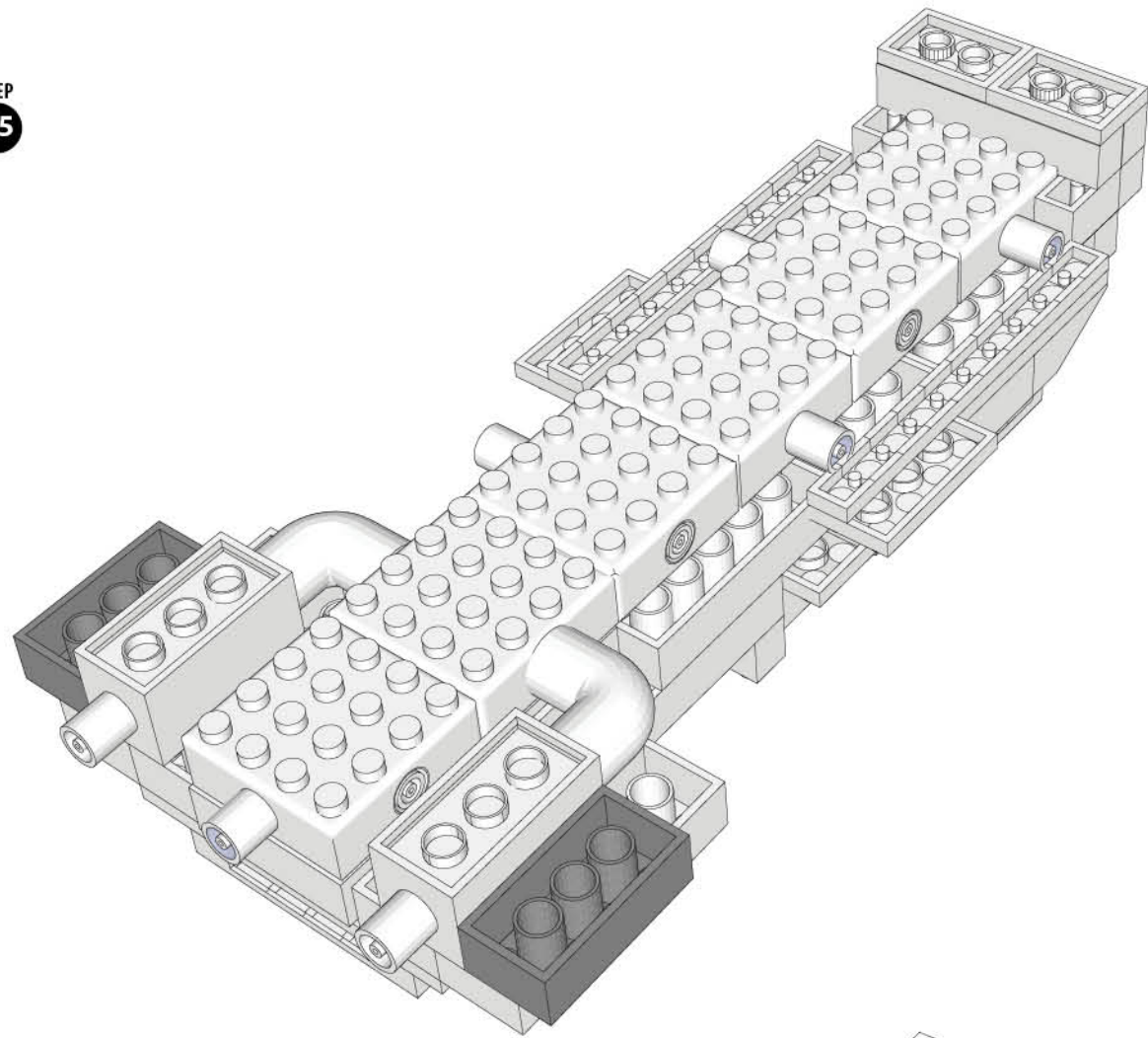
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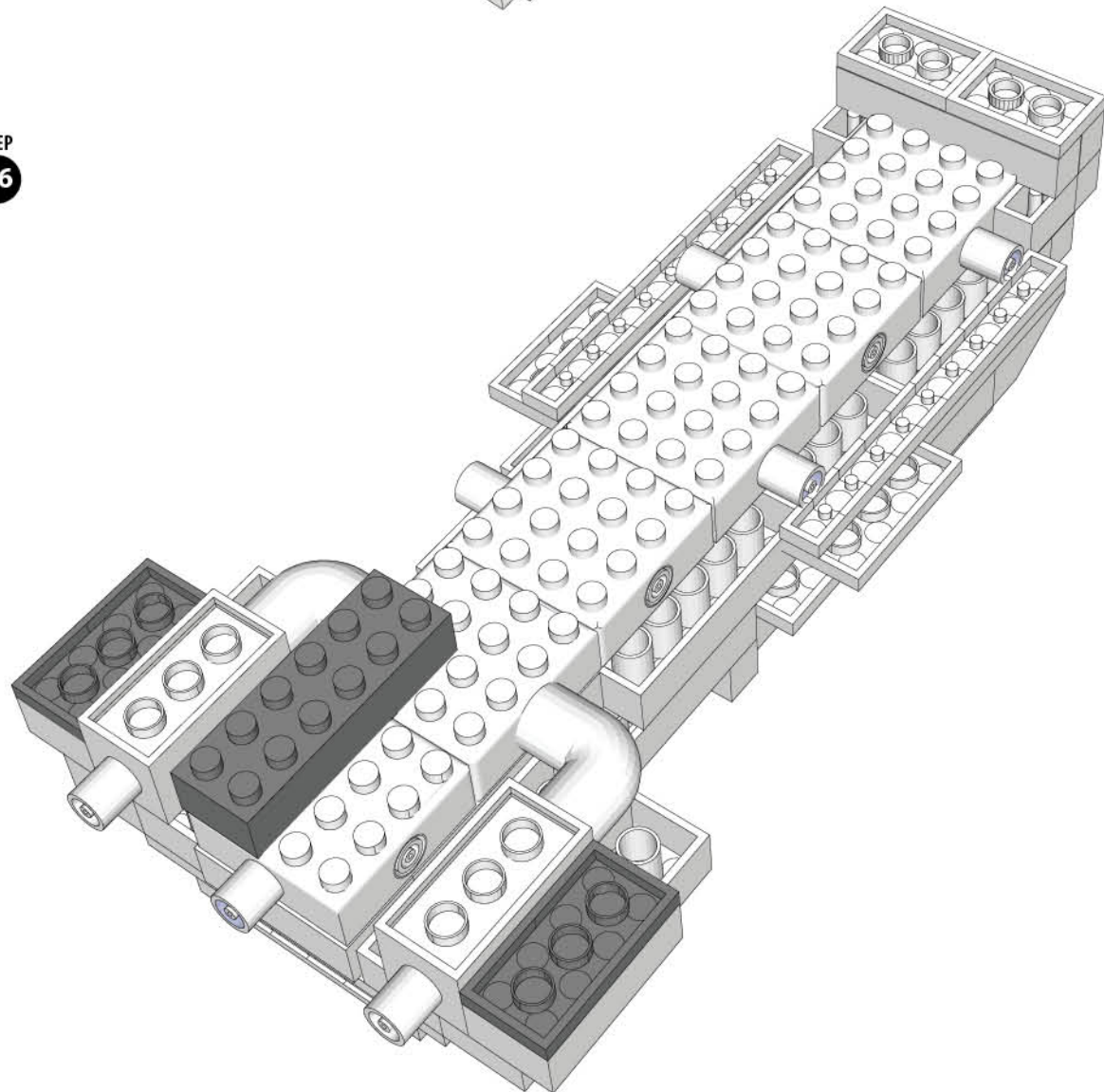
STEP
34
FLIP



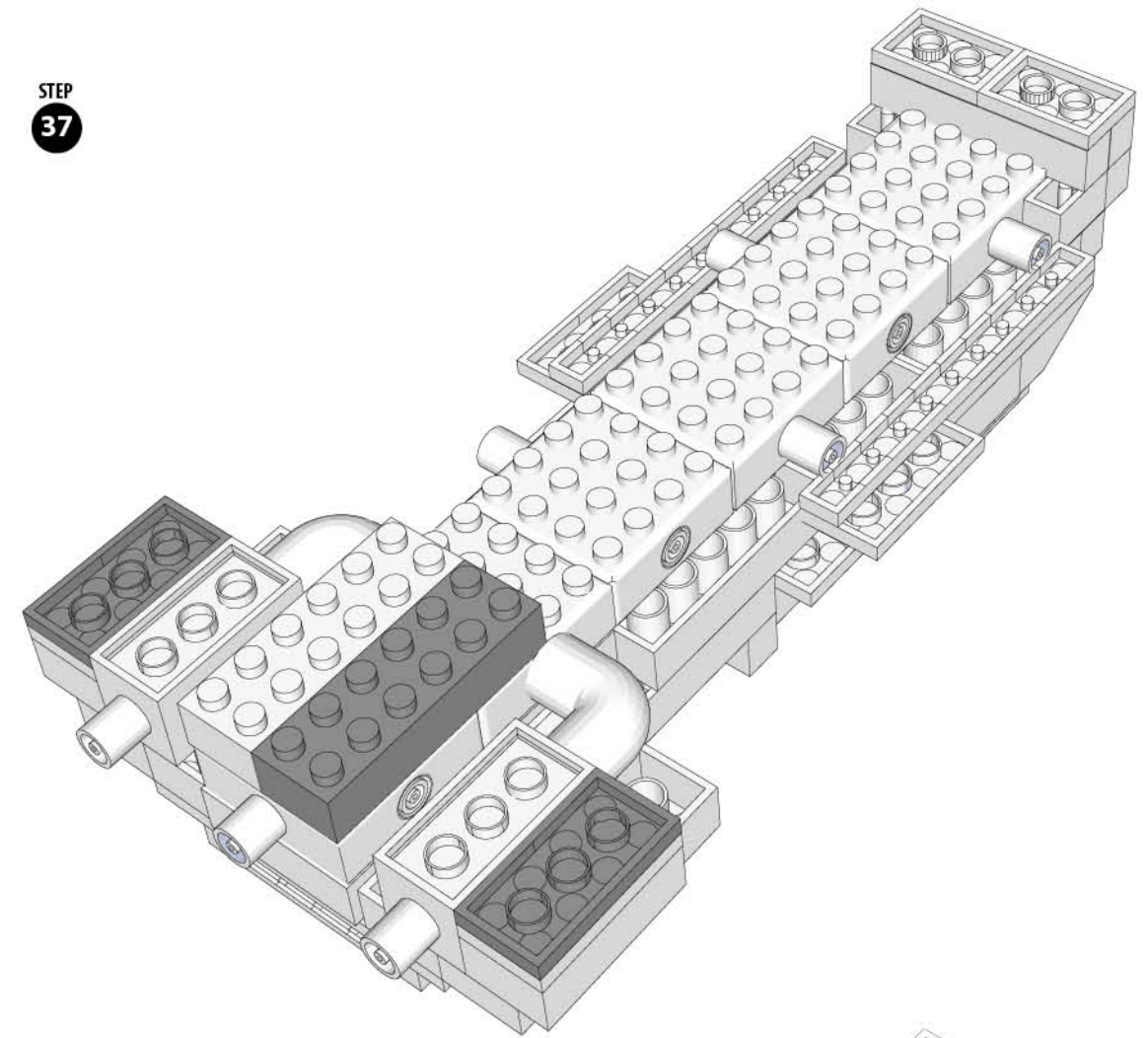
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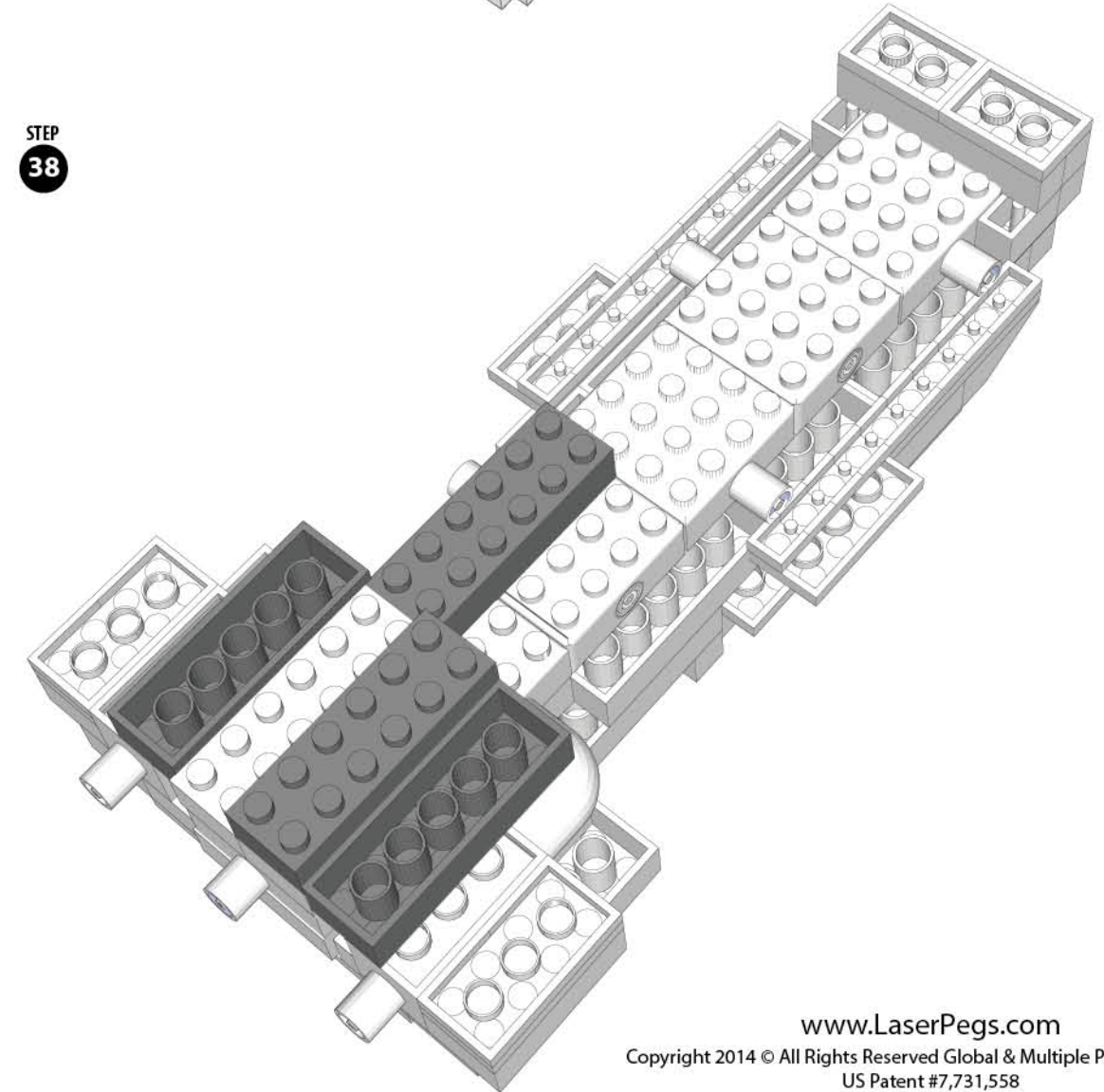
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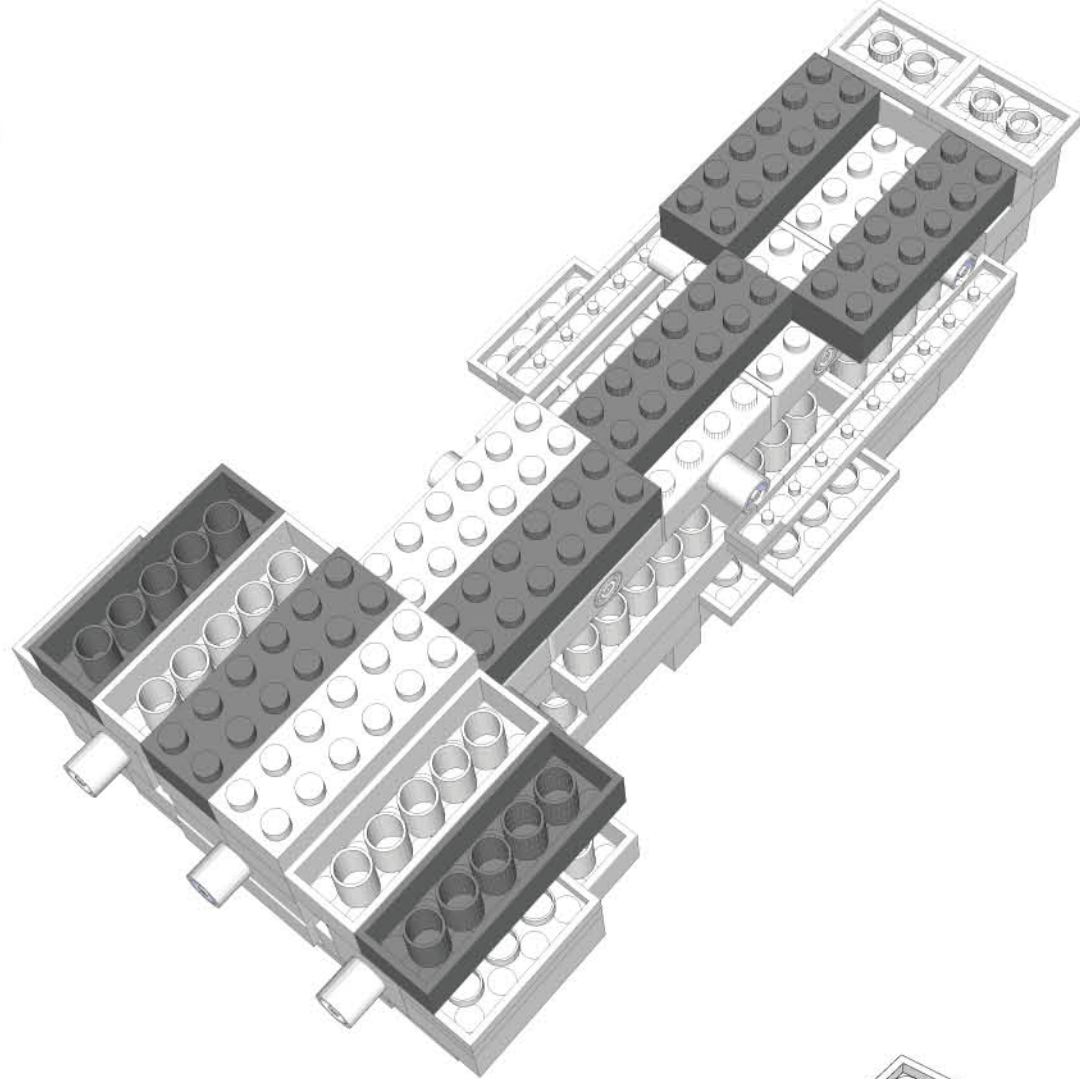
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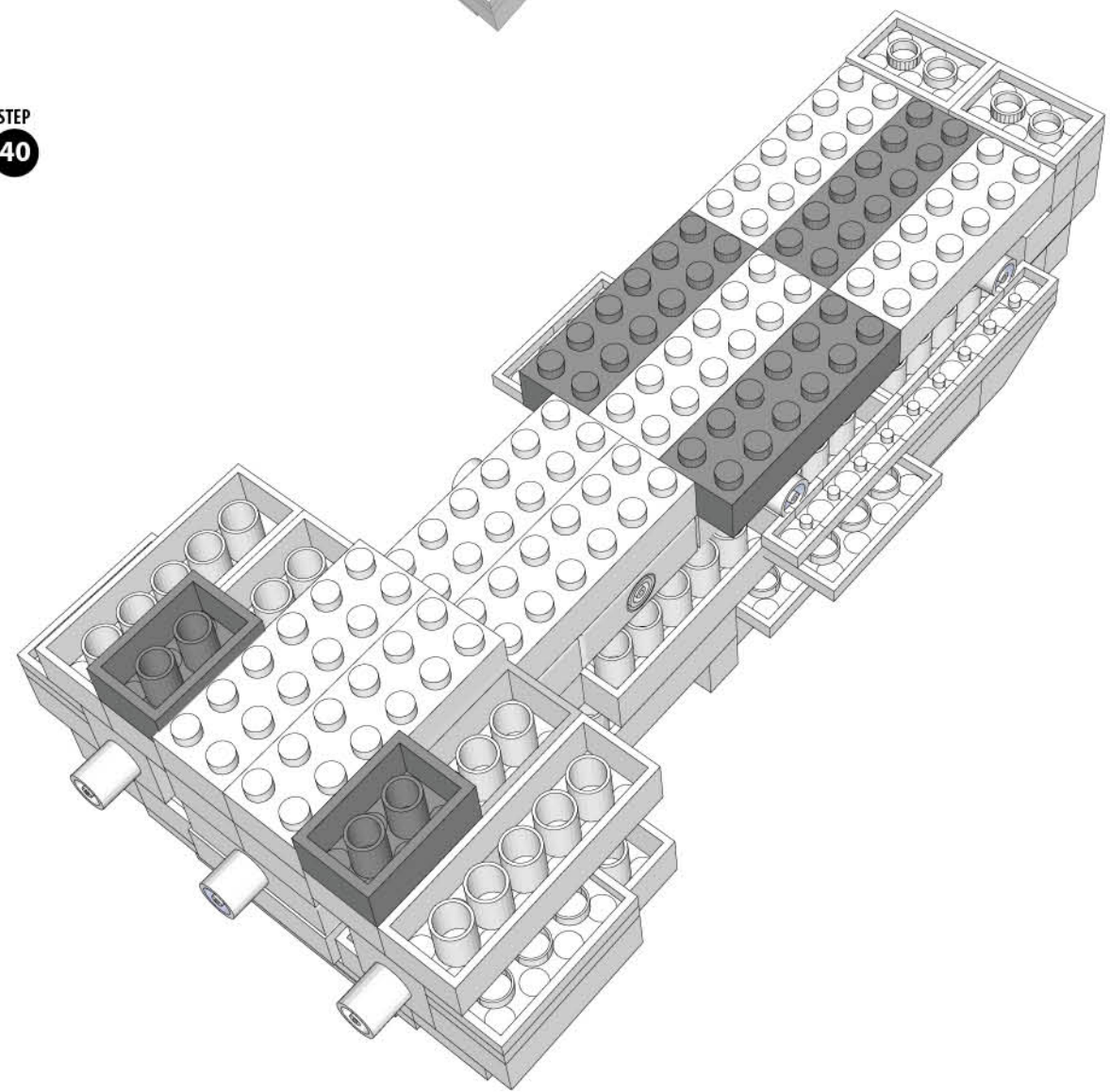
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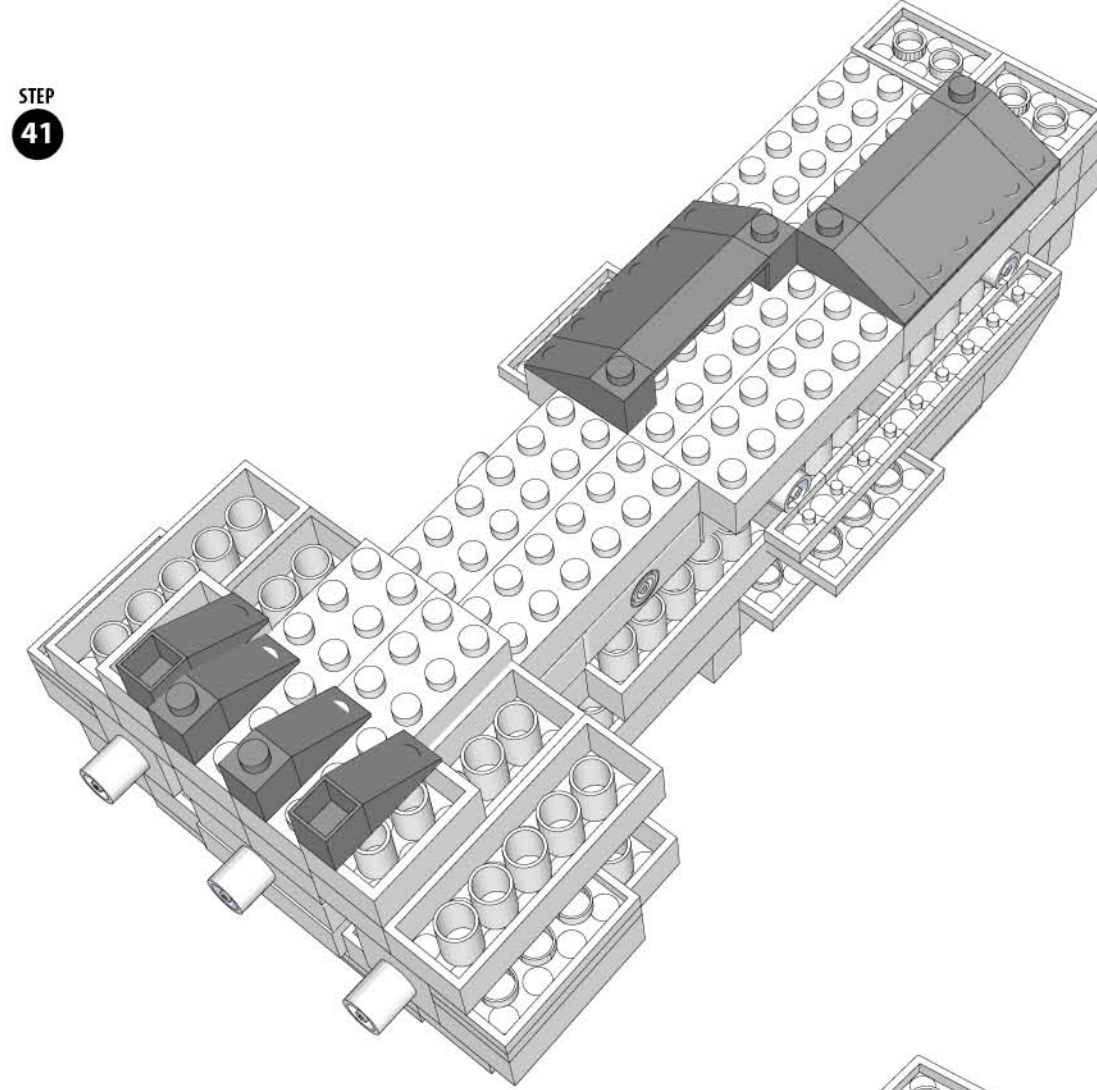
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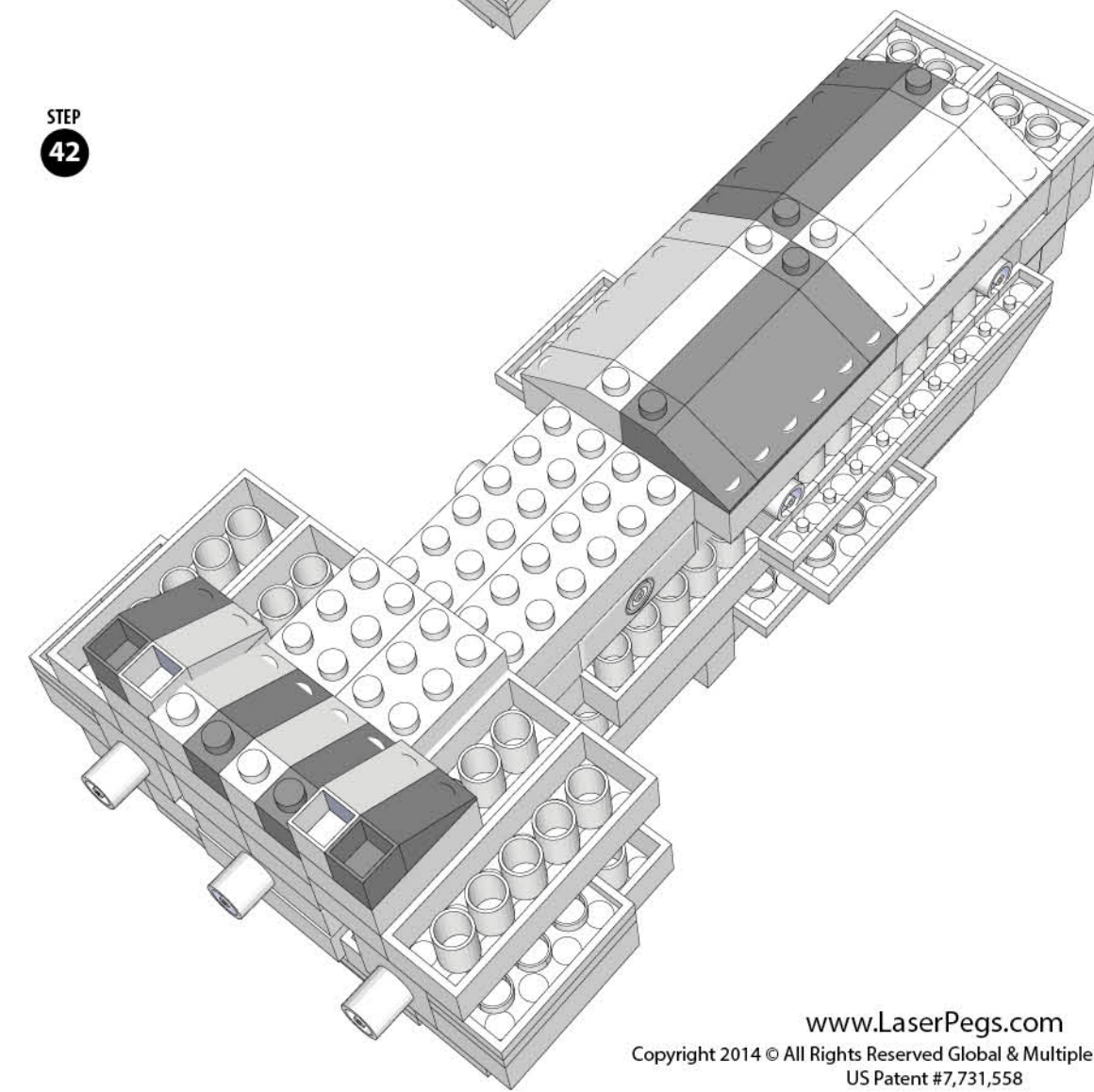
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STEP
41

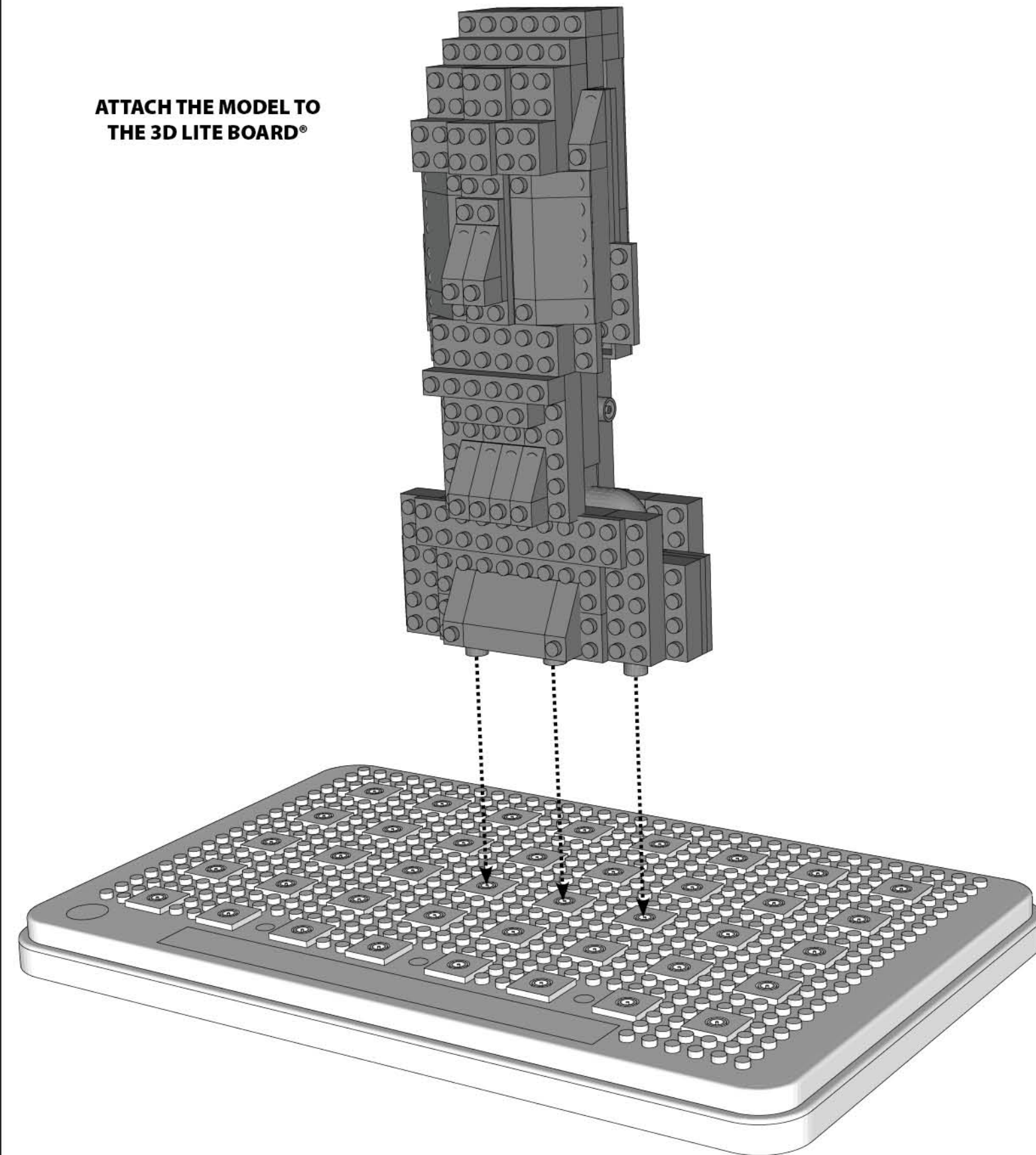


STEP
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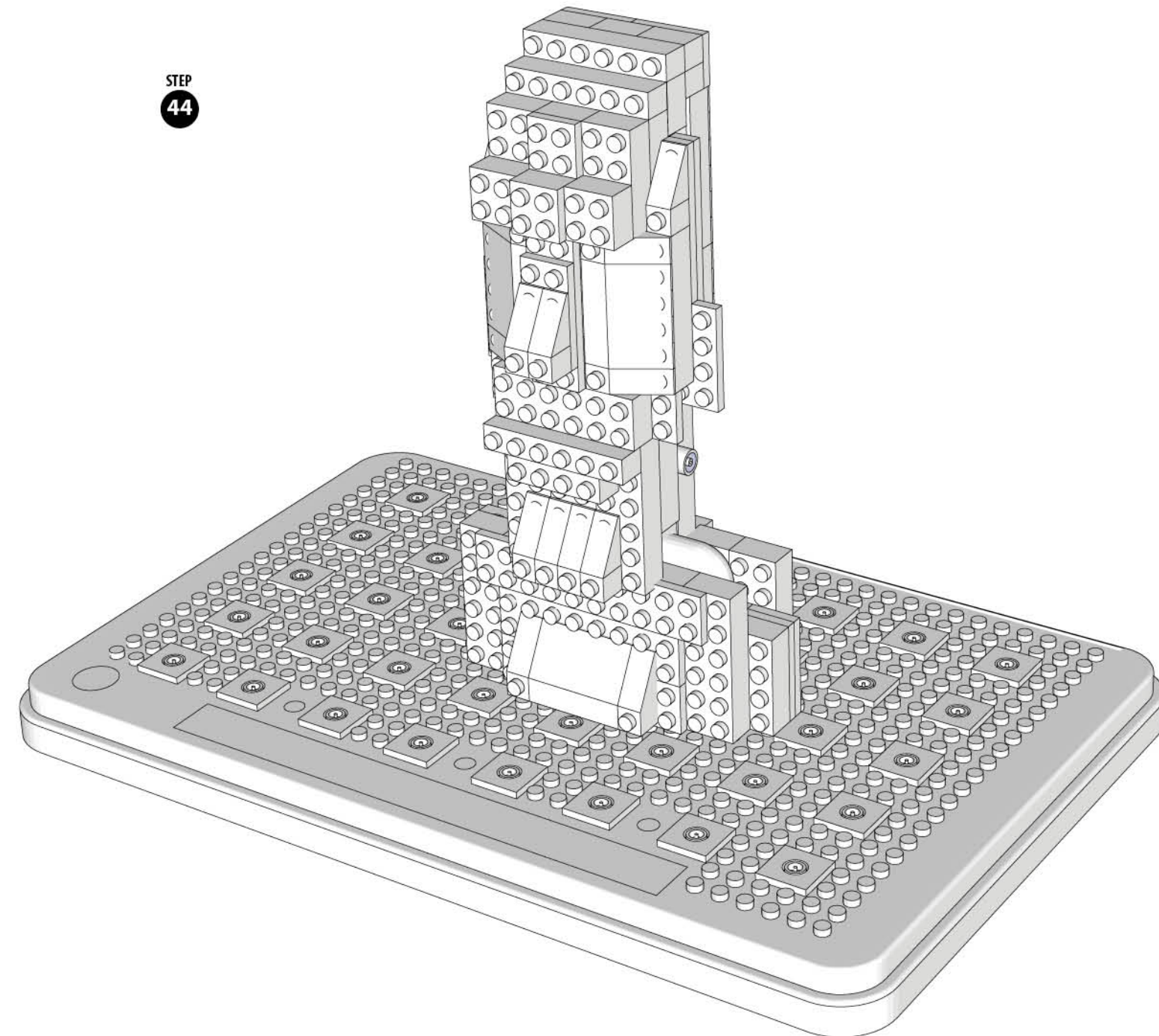


STEP
43

ATTACH THE MODEL TO
THE 3D LITE BOARD®



STEP
44



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National Geographic's net proceeds support vital exploration, conservation, research, and education programs.

MADE IN CHINA

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US Patent #7,731,558