

# LASER PEGS®

The Ultimate Construction Toy For Kids®

NATIONAL  
GEOGRAPHIC™

NG400  
SPACE

Ages 5 +

24 Models+

ANY CREATION YOU CAN BUILD

**LIGHT UP**

CONSTRUCTION SET INCLUDES:

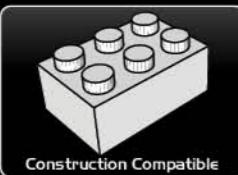
- 36 Laser Pegs®
- 125 Construction Parts
- Laser Pegs® Peg Cord
- Triangle Power Base
- Instruction Manual

Requires 3-AA Batteries

Batteries NOT  
Included

Please read this manual before you begin! Failure to follow this manual's instructions may result in damage to the Triangle Power Base, AC Adapter and/or Laser Pegs®. Not adhering to these instructions will void the manufacturer's warranty. The packaging must be kept because it contains important information.

**WARNING:**  
**CHOKING HAZARD**-Small parts. Not for children under 3 yrs. Do not submerge in water.



Construction Compatible

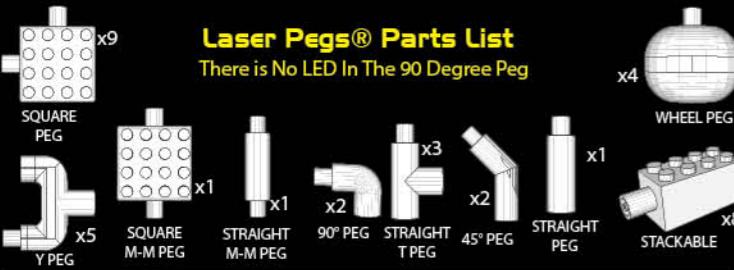
Compatible with other construction kits

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](http://www.LaserPegs.com)

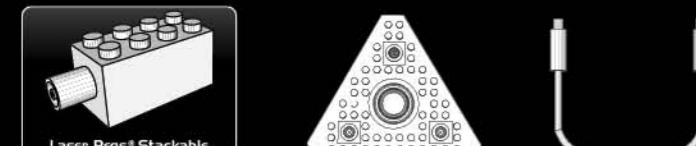


### Laser Pegs® Parts List

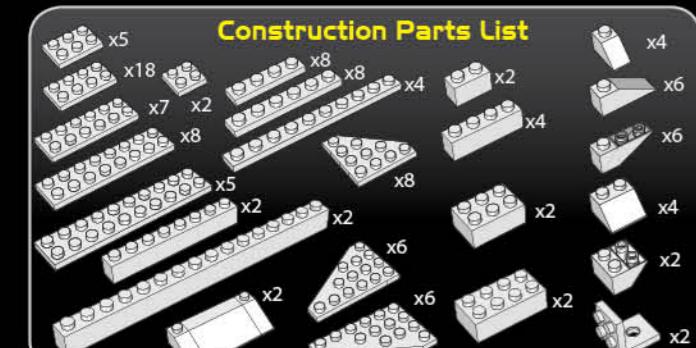
There is No LED In The 90 Degree Peg



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.

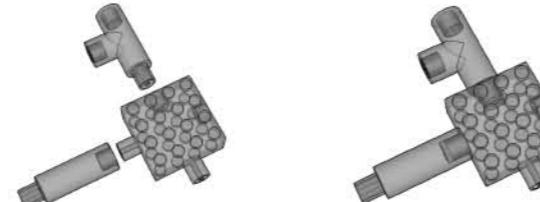


### Construction Parts List

[www.LaserPegs.com](http://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



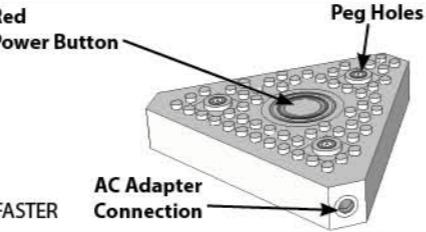
To construct with Laser Pegs®, slide two pieces together to form a connection. Slide each piece on and off smoothly. The 90° Pegs are essential to construction but they DO NOT LIGHT UP.

### 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.

### Push Red Power Button to turn on/off



Red Power Button

Peg Holes

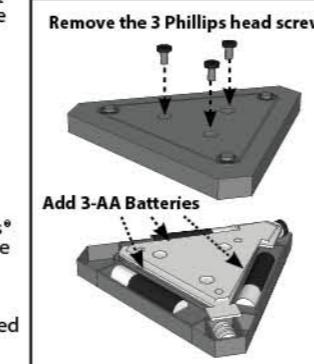
AC Adapter Connection

### WARNING: STROBE LIGHTS MAY CAUSE SEIZURES

The toy is not to be connected to more than the recommended number of power supplies

## Replacing Batteries

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



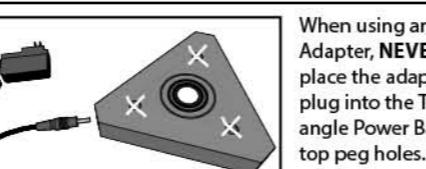
Remove the three Phillips head screws with a 4mm screw driver.

Requires (3AA) Batteries

Please dispose of batteries properly as per state and local regulations.

### Using an AC Adapter

Remove all batteries from Laser Pegs® power base before using the 5-volt AC adapter.



When using an AC Adapter, NEVER place the adapter plug into the Triangle Power Base top peg holes.

\*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 Triangle Power Base 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.

**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 fail 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](http://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!

**DO NOT SUBMERGE IN WATER**

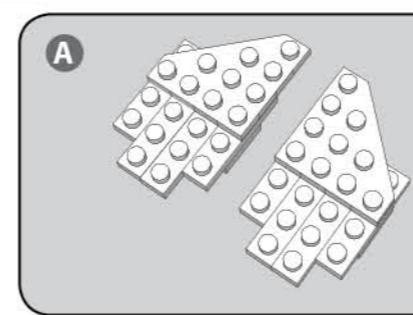
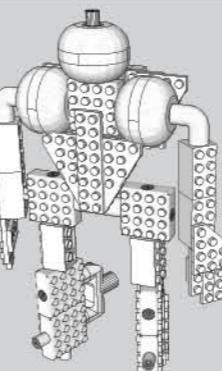
GIANT ROBOT: When it comes to space exploration, robots have done much more exploring than humans. The Mars Curiosity Rover is one of the most famous space robots in use today. It is currently roaming Mars primarily to determine whether the planet currently supports life or did in the past.



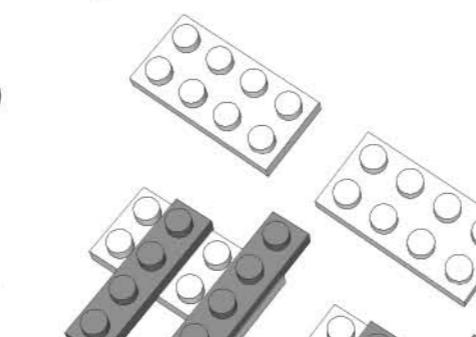
## GIANT ROBOT

Model  
Difficulty  
Level

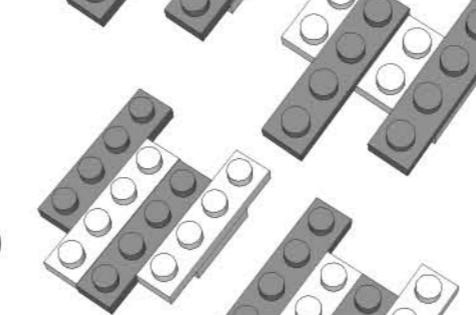
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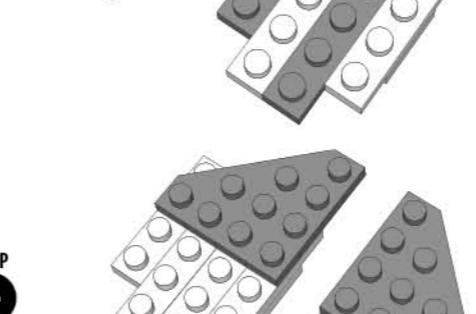
STEP  
1



STEP  
2



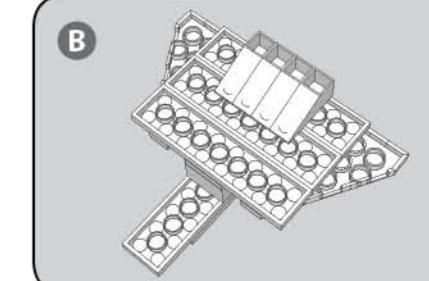
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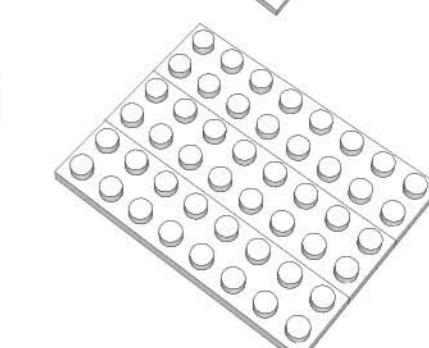
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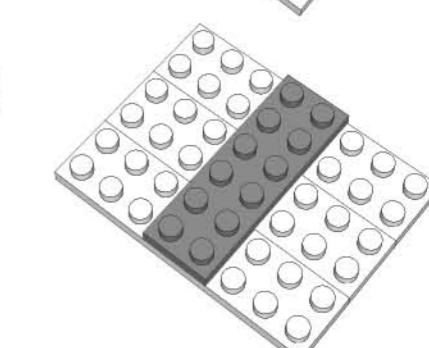
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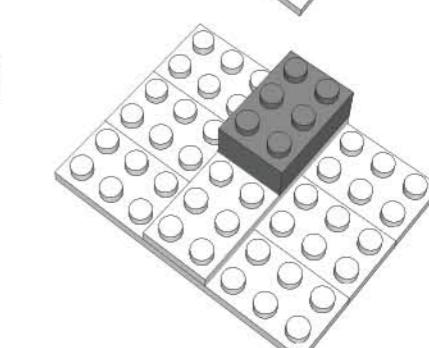
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6



STEP  
7

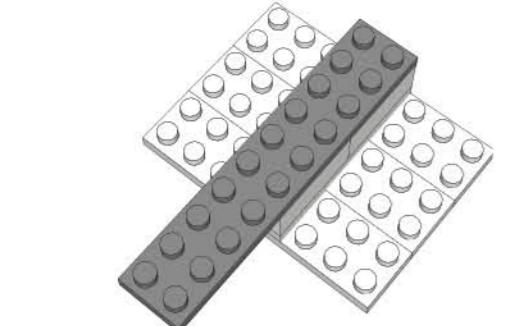


STEP  
8



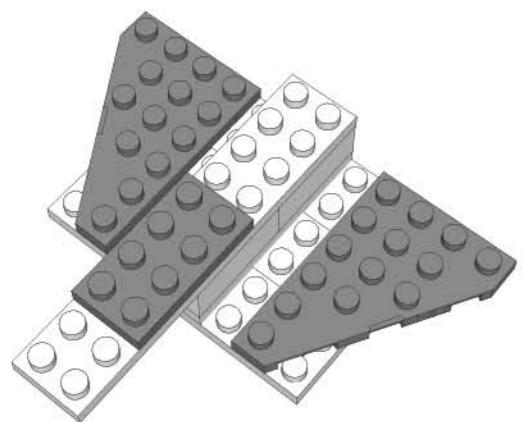
STEP  
9

[kids.nationalgeographic.com](http://kids.nationalgeographic.com)

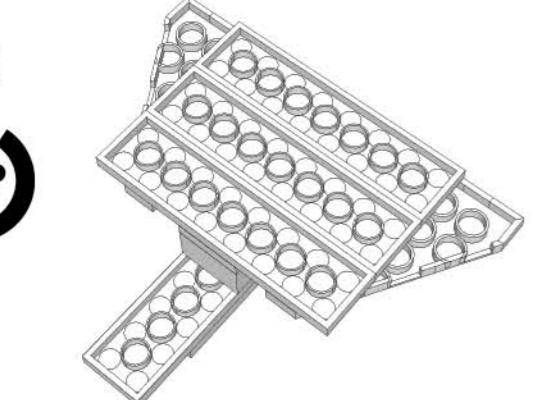


**STEP  
10**

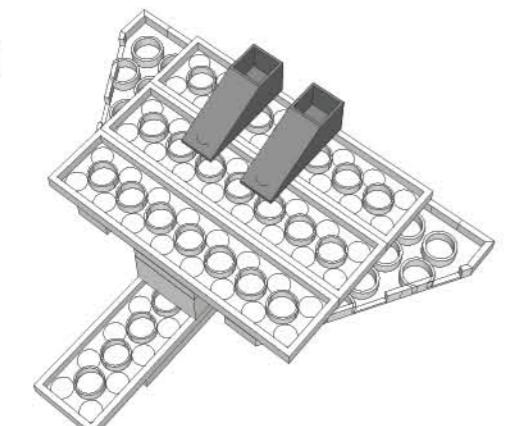
**STEP  
11**



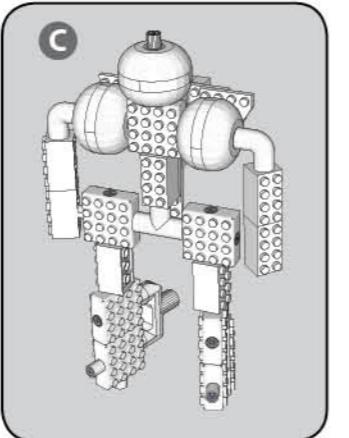
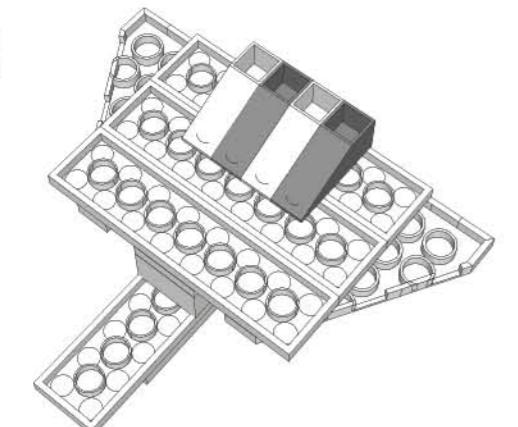
**STEP  
12**



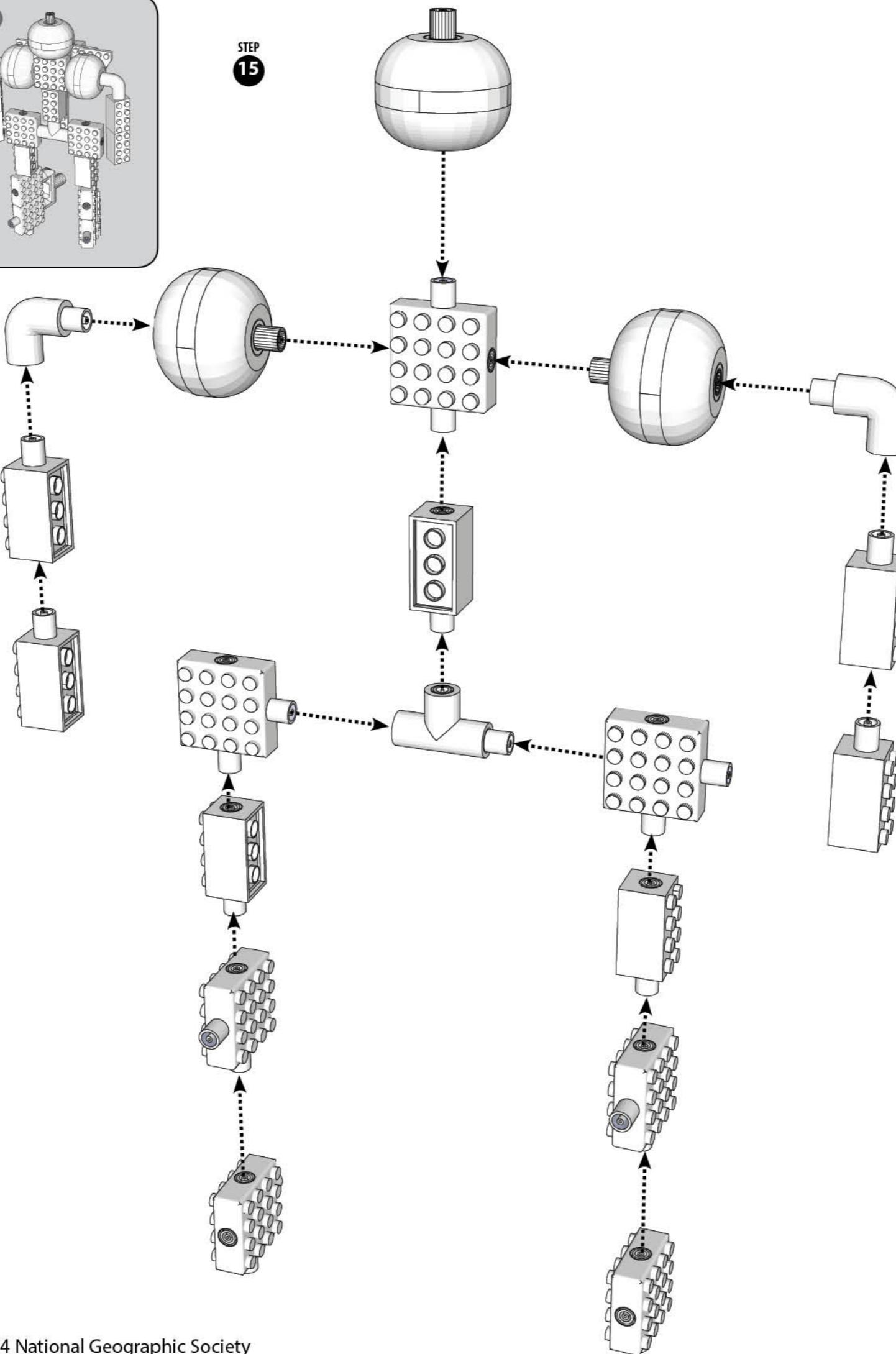
**STEP  
13**



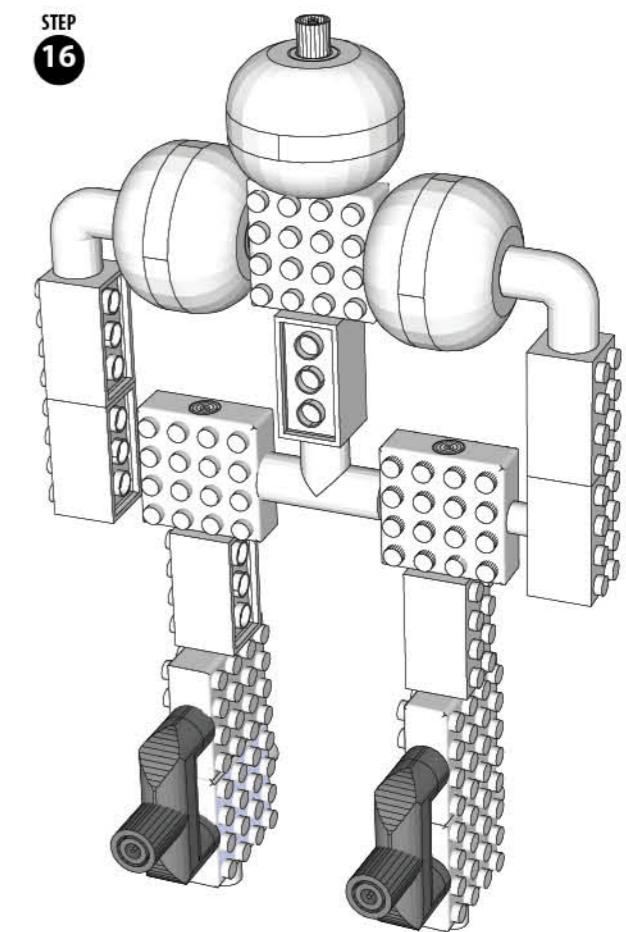
**STEP  
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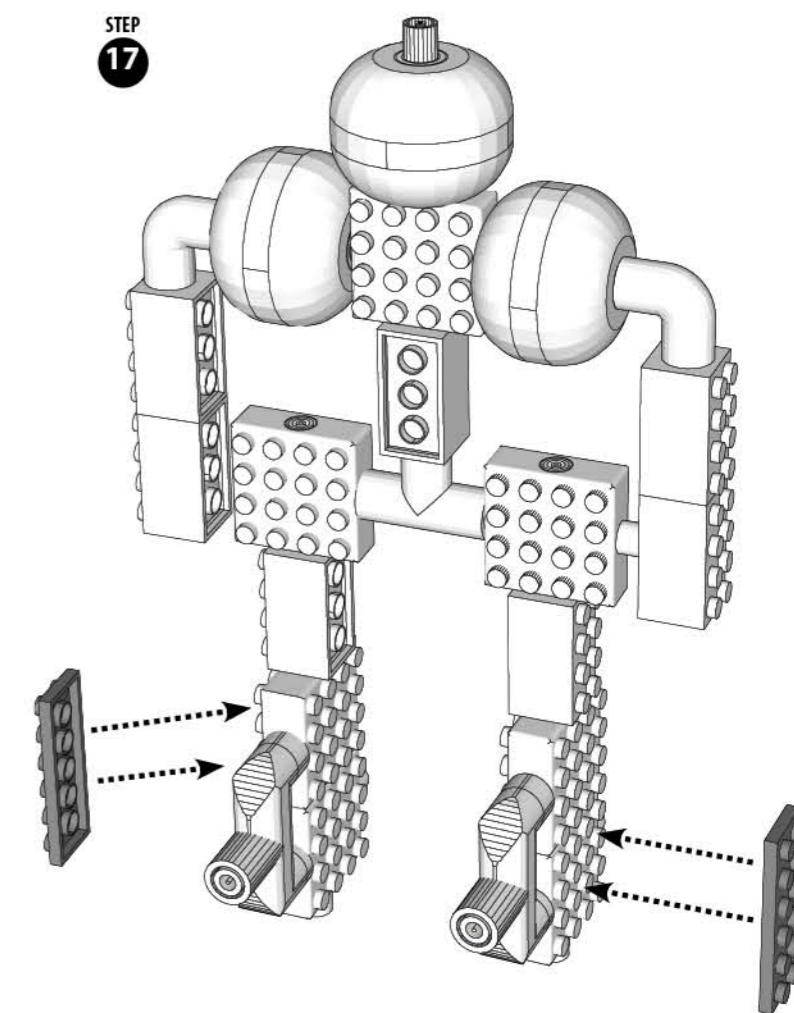
**STEP  
15**



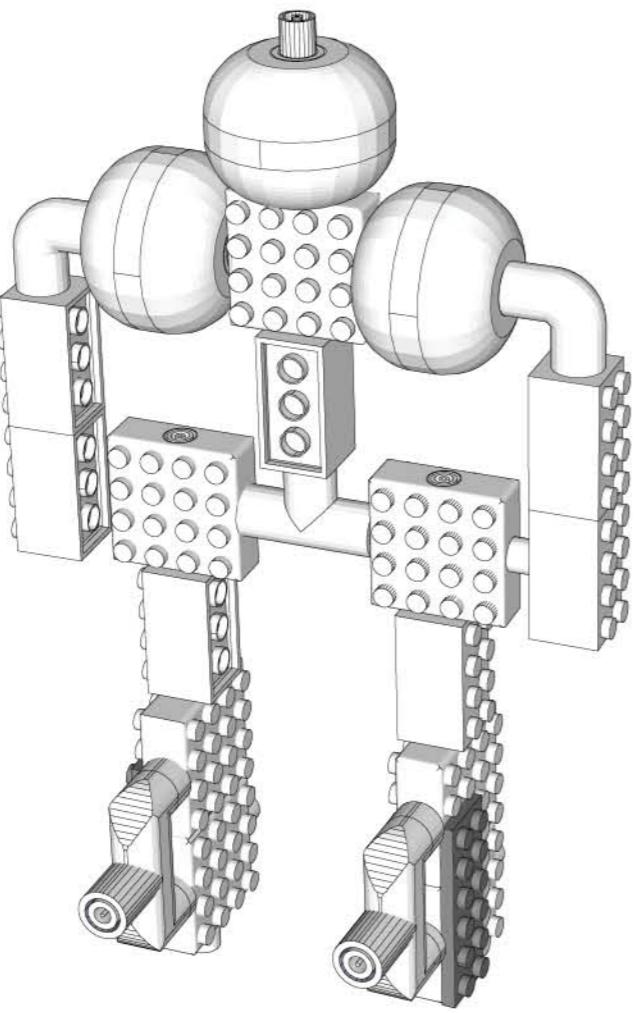
**STEP  
16**



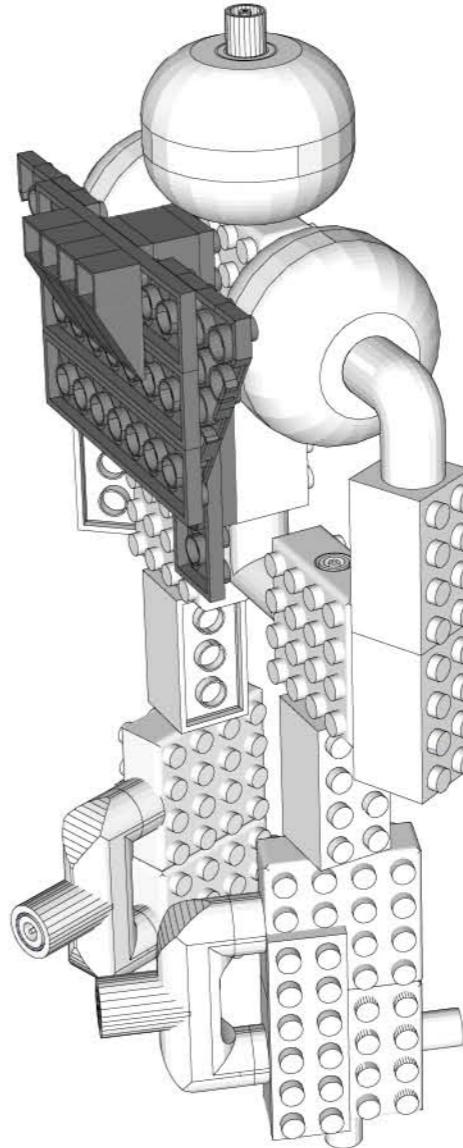
**STEP**



STEP  
18

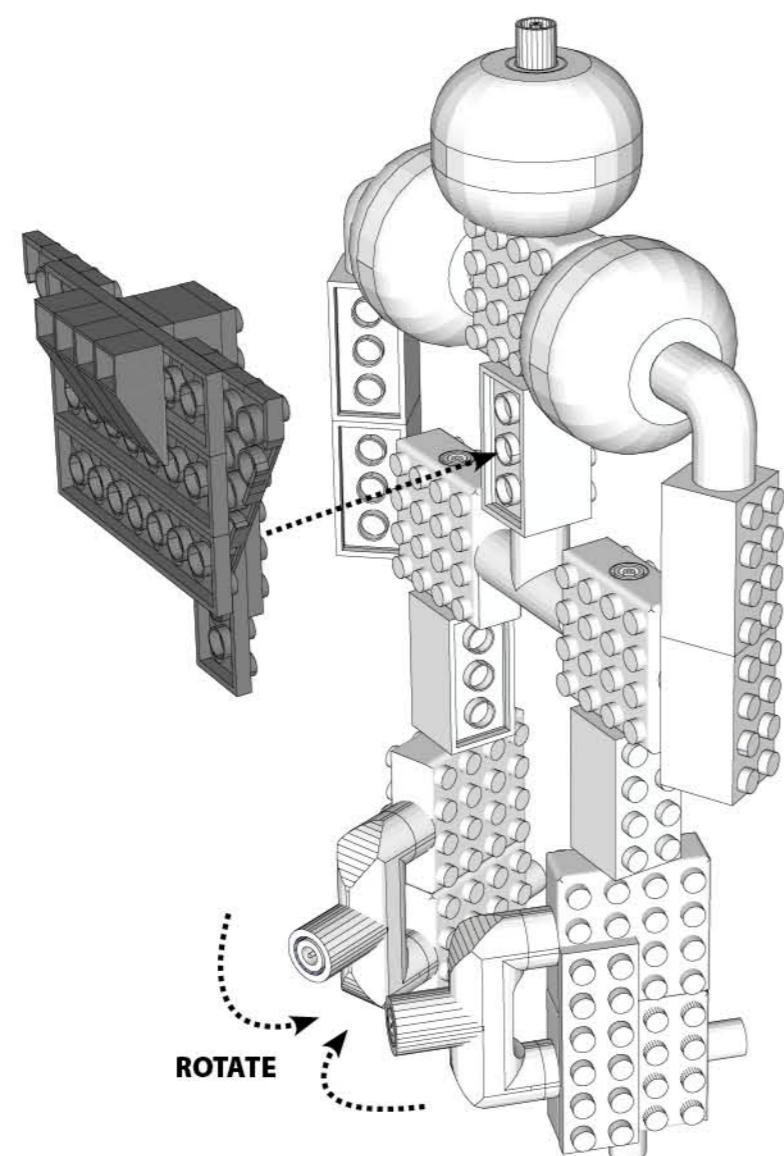


STEP  
20



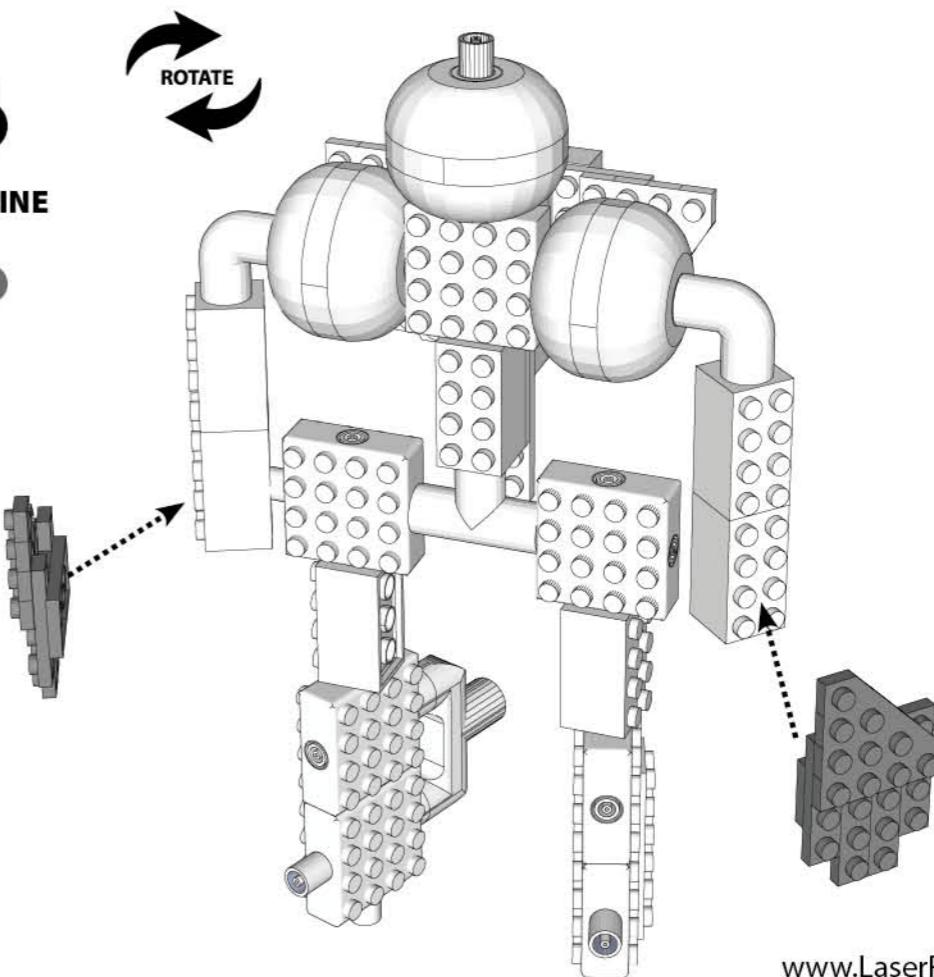
STEP  
19  
**COMBINE**

**B**

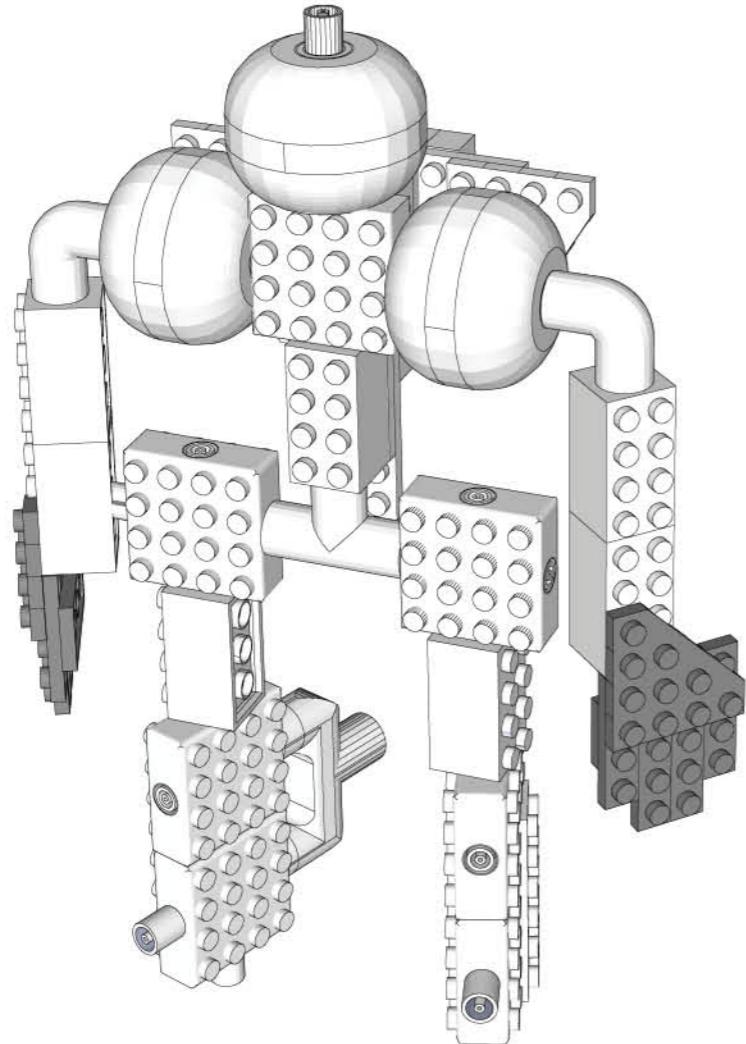


STEP  
21  
**COMBINE**

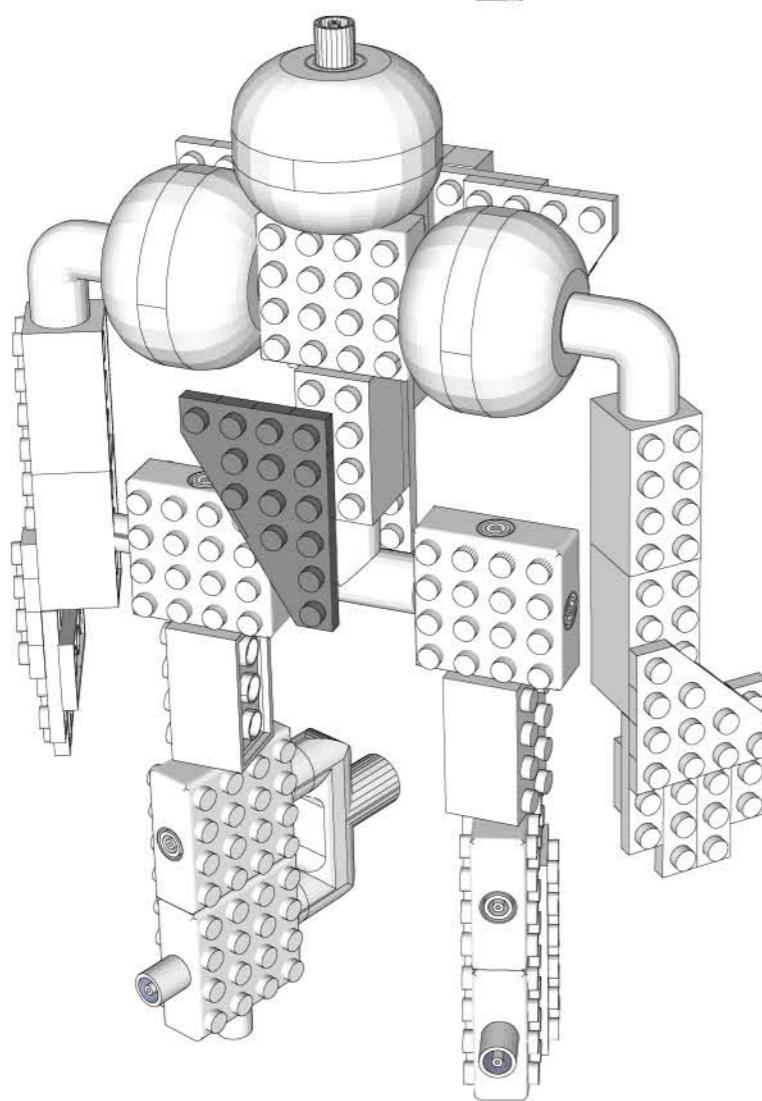
**A**



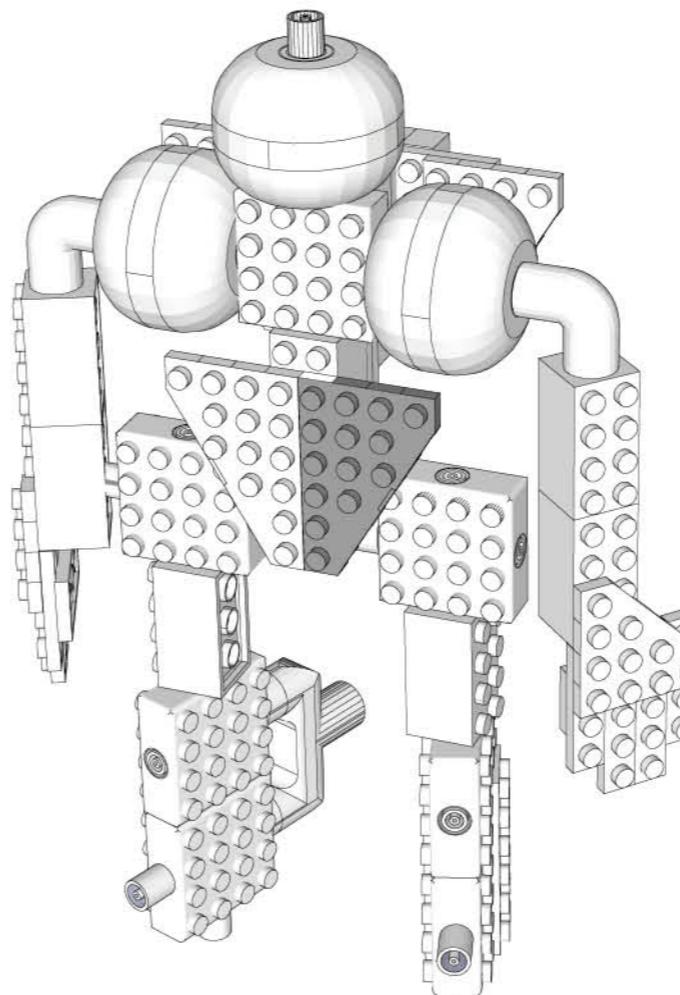
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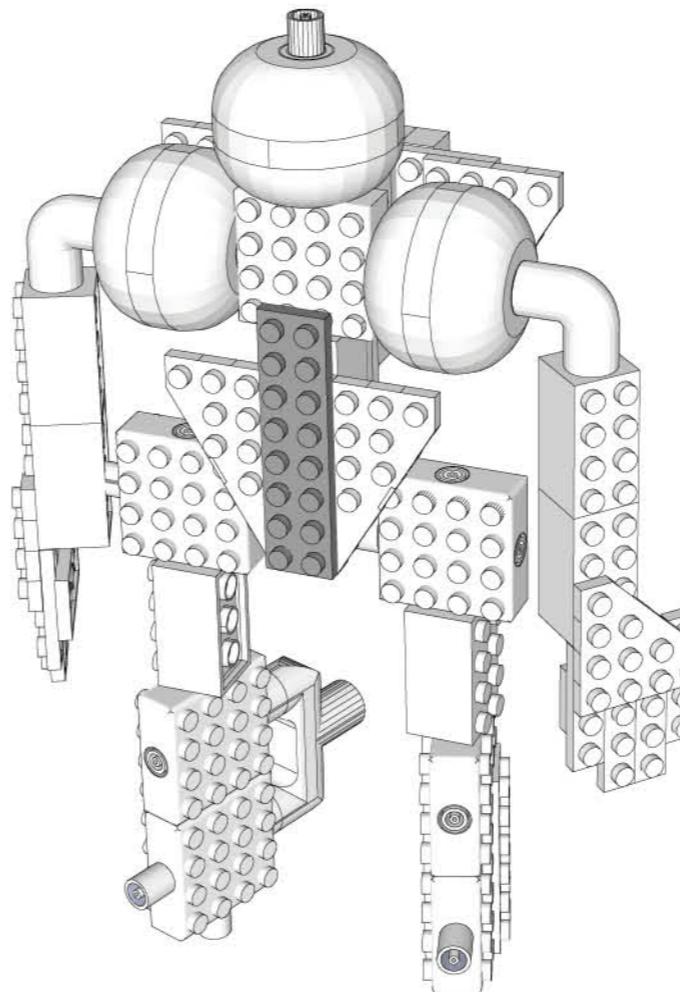
STEP  
23



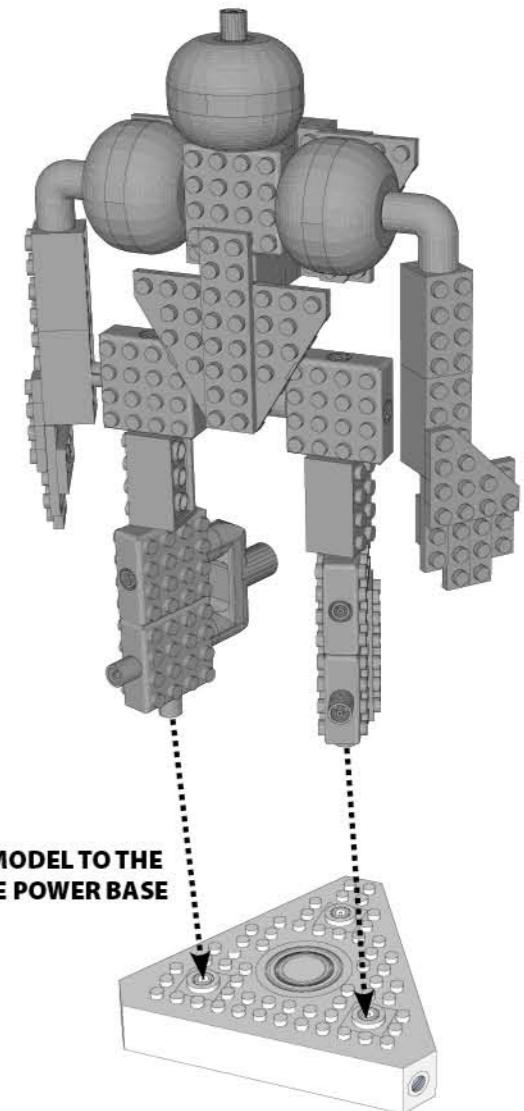
STEP  
24



STEP  
25

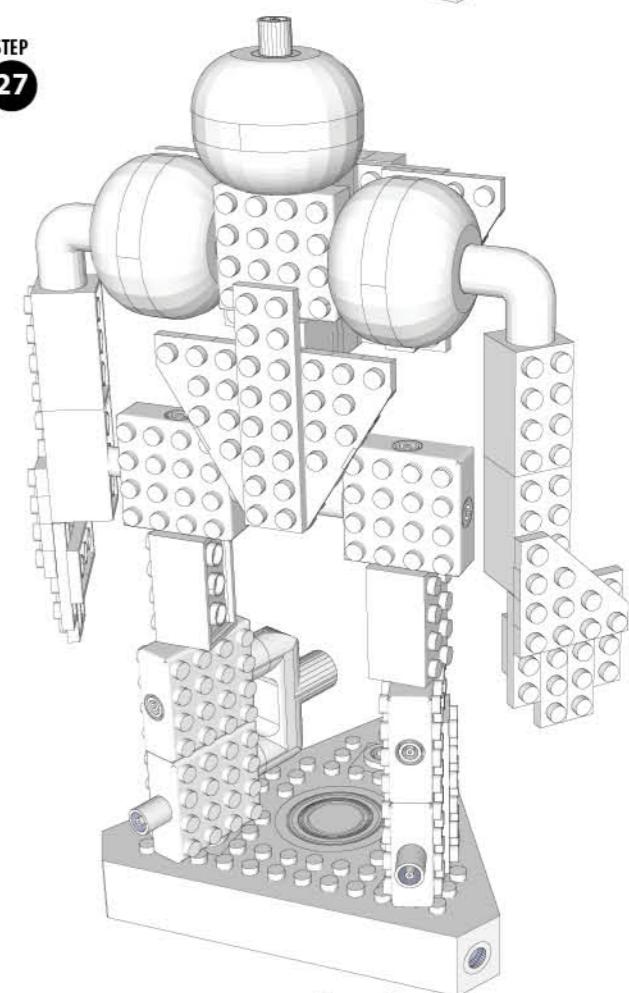


STEP  
26



**ATTACH MODEL TO THE  
TRIANGLE POWER BASE**

STEP  
27



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US Patent #7,731,558